NYSEG

2025 Periodic Review Report

Goshen Former Manufactured Gas Plant Site

NYSDEC Site Number: 3-36-046

November 2025

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Acronyms and Abbreviations

AMSL	above mean sea level
Arcadis	Arcadis of New York, Inc.
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
DER-10	Division of Environmental Remediation - Technical Guidance for Site Investigation and Remediation
DNAPL	dense non-aqueous phase liquid
FER	Final Engineering Report
IC/EC	Institutional and Engineering Controls
IDW	investigation derived waste
ISS	in-situ soil solidification
MDL	method detection limit
mg/kg	milligrams per kilogram
MGP	Manufactured Gas Plant
NAPL	non-aqueous phase liquid
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSEG	New York State Electric & Gas Corporation
PAHs	polycyclic aromatic hydrocarbons
PRR	Periodic Review Report
Q1	Quarter 1
QA/QC	quality assurance / quality control
RAO	remedial action objective
RI	Remedial Investigation
ROD	Record of Decision
SCO	soil cleanup objective
SMP	Site Management Plan
TOGS	Technical and Operational Guidance Series
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound

Executive Summary

Arcadis of New York, Inc. (Arcadis) has prepared this Periodic Review Report (PRR) on behalf of the New York State Electric & Gas Corporation (NYSEG) to document that institutional and engineering controls (IC/ECs) established for the Goshen Former Manufactured Gas Plant (MGP) Site (the site) remain in place and continue to be effective. This PRR summarizes monitoring and inspection activities completed during the reporting period from November 7, 2023 to November 7, 2025. The PRR will be completed biennially for the site unless the frequency is modified by the New York State Department of Environmental Conservation (NYSDEC).

Post-construction monitoring activities were completed from November 13 to 15, 2024, including non-aqueous phase liquid (NAPL) gauging, groundwater measurement, groundwater sampling, and site inspection.

Approximately 0.01 feet of NAPL was observed at NAPL monitoring well NMW16-02, consistent with observations during the November 13, 2023 monitoring event. In addition, approximately 0.02 feet of NAPL was observed at NAPL monitoring wells NWM16-03 and NWM16-05, which have not previously identified measurable NAPL at these monitoring wells. NAPL was not observed or detected in the remaining wells during the 2024 gauging event, including NMW08-02, which historically has contained trace amounts of NAPL.

Field personnel conducted water level measurements during this gauging event. Depth to water was measured from surveyed marks on the top of the inner well casings and converted to elevations. Groundwater elevation data were used to develop water table and deep overburden potentiometric surface contour maps for the monitoring event and are included as Figures 3 and 4, respectively.

Groundwater samples, including one set of quality assurance/quality control (QA/QC) samples, were collected, and submitted for laboratory analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX), polycyclic aromatic hydrocarbons (PAHs), and cyanide, in accordance with the Site Management Plan (SMP). Validated analytical results are presented in Table 2. In general, BTEX concentrations in groundwater downgradient of the in-situ soil solidification (ISS) mass continue to decrease or remain stable, PAH concentrations in groundwater generally remain consistent with results from previous events, and cyanide concentrations in groundwater are generally consistent with results from previous events.

Site cover areas were inspected and found to be intact and functioning. No signs of intrusive sitework were observed within the limits of the site cover system.

At this time, no further actions are recommended relating to the existing ICs/ECs. Post-construction monitoring and reporting will be completed in accordance with the SMP with the next site monitoring event tentatively scheduled for Quarter 1 (Q1) 2026.

1 Introduction

Arcadis of New York, Inc. (Arcadis) has prepared this Periodic Review Report (PRR) on behalf of the New York State Electric & Gas Corporation (NYSEG) to document that institutional and engineering controls (IC/ECs) established for the Goshen Former Manufactured Gas Plant (MGP) Site (the site) remain in place and continue to be effective. This PRR has been prepared in accordance with the New York State Department of Environmental Conservation (NYSDEC) Technical Guidance for Site Investigation and Remediation (DER-10; NYSDEC 2010) and the NYSDEC-approved Site Management Plan (SMP) (Arcadis 2021c).

The certificate of completion for the site was issued to NYSEG on July 7, 2021. Accordingly, this PRR summarizes monitoring and operation and maintenance activities completed during the reporting period from November 7, 2023, to November 7, 2025. Subsequent PRR's will be submitted to the NYSDEC biennially[1] unless the frequency is modified by the NYSDEC. Certification that IC/ECs remain in place and effective, and that no changes have occurred at the site during this reporting period that would impair the IC/ECs ability to protect public health and the environment is included herein.

1.1 Site Location and Description

The approximately 0.75-acre site is located on West Main Street in the Village of Goshen, Orange County, New York (Figure 1). The site is owned by NYSEG and serves as a natural gas service center, an existing site plan is shown on Figure 2. Two gas regulators are present at the site, one located on the northern portion of the site and a second located within the eastern portion of the service center building. The site is bounded by Rio Grande Creek at the northwest corner, Village of Goshen property to the north and northeast, private commercial properties to the east and west, and West Main Street to the south. Based on conversations with the Village of Goshen and according to the Village of Goshen Zoning Map (last updated August 2003), the site is zoned as commercial shopping (i.e., commercial). Areas immediately west of the site are zoned as industrial. Other areas in the immediate site vicinity are zoned as central shopping and one and two family residential. The site is also located within the Village of Goshen Architectural Design District. Properties and buildings located within this district are subject to regulations/restrictions regarding historical areas.

MGP operations began at the site between 1885 and 1889 as a carbureted water gas plant. The plant was apparently converted to a coal gas plant in 1923 and continued to operate as a coal gas plant until sometime between 1945 and 1947, when the facility was converted to a natural gas operations center (Engineering-Science 1991). During this time, the site was owned by the A. VanDerwerken Water Gas Works (circa 1889 to circa 1905), Goshen Gas Light Company Water Gas Works (circa 1905 to circa 1923), Goshen Illuminating Company Coal Gas Plant (circa 1923 to 1945), Associated Gas & Electric Company (1945 to 1947), and NYSEG (1947 to present). While operational, the MGP consisted of a gas house (including a meter house, purifying/purifier houses, oil tanks, a boiler, a generator, a washer, and a superheater), three gas holders, a shed, furnace area, coal storage area, retorts, and a lime kiln.

[1] In a letter from the NYSDEC to NYSEG dated January 4, 2024 (NYSDEC 2024), the NYSDEC allowed a reduced frequency for site management activities including, site wide inspection, NAPL gauging, groundwater elevation gauging, and groundwater sampling to a five-quarter (15-month) frequency. Additionally, the PRR frequency was modified to biennially (every 2-years).

1.2 Nature and Extent of Site Impacts

Surface soil, subsurface soil, groundwater, surface water, sediment, and soil vapor were evaluated during remedial investigation (RI) activities. Site data indicated that soil, groundwater, and/or sediment contain elevated levels of benzene, toluene, ethylbenzene, and xylenes (BTEX), a subset of volatile organic compounds (VOCs); a more general class of organic compounds called polycyclic aromatic hydrocarbons (PAHs); and several inorganic compounds.

The primary MGP-related byproduct responsible for impacts at the site is coal tar, which is a dense non-aqueous phase liquid (DNAPL). DNAPLs are heavier than water and tend to sink below the water table if released in sufficient quantities. Coal tar contains many organic compounds, which have toxic properties and are regulated by the NYSDEC. Chief among these compounds are BTEX and PAHs. These two groups of compounds, including non-aqueous phase liquids (NAPLs), are used to characterize the nature and extent of site-related impacts.

A detailed site characterization is presented in the RI Report (Arcadis 2010). A summary of environmental impacts, by media type, is presented below.

1.2.1 Surface Soil Quality

Analytical results for surface soil samples were compared to the Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (6 NYCRR) Part 375-6 soil cleanup objectives (SCOs) for the protection of human health (commercial use SCOs) and for the protection of ecological resources (ecological resource SCOs). Two surface soil samples collected inside the service center building footprint (i.e., beneath the concrete building floor) contained the greatest total PAHs concentrations: 1,100 and 300 milligrams per kilogram (mg/kg). In general, other surface soil samples contained PAHs at concentrations that slightly exceeded the commercial and ecological SCOs. Remaining surface soil samples collected within the service center property boundary contained total PAHs at concentrations up to 100 mg/kg. Surface soil samples collected from off-site locations (i.e., north of Rio Grande Creek and more than 300 feet west of the site) also contained total PAHs at concentrations up to 100 mg/kg.

1.2.2 NAPL Distribution and Characterization

Coal tar DNAPL in subsurface soil is responsible for most environmental impacts on-site. DNAPL was generally observed within the vicinity of former MGP structures (tar drip, former Gas Holders #1 and #2, shown on Figure 2). NAPL-containing soil was observed at 13 of the 88 subsurface investigation locations completed during the various site investigations. The DNAPL distribution observed at the site was likely due to a combination of the predominant northwesterly hydraulic gradient, gravitational forces, and overburden material heterogeneity.

Recoverable amounts of NAPL historically accumulated in NAPL monitoring well NMW08-02, located near the western end of the service center building. NAPL was measured in this well during NAPL monitoring events conducted in December 2008, March 2009, and December 2019 (documented in the 2019 Post-Construction Monitoring Report [Arcadis 2019b]) and was recovered to the extent practicable using a peristaltic pump or manual bailer. Additionally, trace amounts of NAPL (i.e., as blebs on the interface probe) were detected at this well during subsequent NAPL gauging activities.

1.2.3 Subsurface Soil Quality

Subsurface soil sampling locations where elevated BTEX and PAH concentrations were detected generally coincide with locations where DNAPL was observed; specifically, north of the former tar drip and in the vicinity of former Gas Holder #1 (i.e., at depths up to 26 feet below ground surface [bgs]) and Gas Holder #2 (i.e., within the holder structure at depths up to 12 feet bgs). Visual observations of oil-like material were also noted at each sampling location/interval where elevated BTEX and PAH concentrations were detected.

A total of 13 subsurface soil samples collected from soil borings, test borings, and test pits contained individual BTEX compounds and PAHs at concentrations greater than commercial SCOs. Additionally, 24 subsurface soil samples contained individual BTEX compounds and PAHs at concentrations greater than 6 NYCRR Part 375-6 unrestricted use SCOs.

1.2.4 Groundwater Quality

Dissolved phase BTEX and PAHs were detected at concentrations greater than NYSDEC Class GA Standards or Guidance Values presented in the NYSDEC's Division of Water, Technical and Operational Guidance Series (TOGS) 1.1.1 document titled Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (NYSDEC 1998) in groundwater samples collected from several shallow monitoring wells (screened within the fill and alluvial units) and deep monitoring wells (screened within the bedrock unit). Elevated dissolved phase concentrations were generally detected in samples collected on the northern half of the site, downgradient from areas where DNAPL was observed. Groundwater samples collected from monitoring well MW08-05S, hydraulically downgradient from NAPL-impacted soils, contained the greatest concentrations of BTEX and PAHs.

1.2.5 Sediment Quality

During sediment investigations, numerous outfalls were observed upstream, adjacent to, and downstream from the site. Additionally, abundant anthropogenic materials (e.g., general refuse, construction waste, asphalt, paint buckets, and oil cans) were observed within the creek and on the creek banks. Although sheens were observed during the sediment investigations, the sheens were determined to be unrelated to the MGP.

Several sediment samples appeared to have BTEX and PAHs with a signature consistent with coal carbonization tar, the signature can also be attributable to creosote, and coal-tar-based sealcoat contributed by the numerous sewer outfalls and run-off from parking lots along the creek. Given this information and the lack of visually MGP-impacted sediments in the creek, PAHs detected in sediment samples were not conclusively attributed to the former MGP.

1.2.6 Surface Water Quality

Surface water samples were collected from two upstream, two adjacent, and two downstream locations. Samples were analyzed for VOCs, semi-volatile organic compounds, and total cyanide. BTEX compounds were not detected in any surface-water sample. PAHs were detected in four of the six samples. Benzo(a)anthracene was the only PAH that was detected at a concentration exceeding its associated NYSDEC fish propagation (fresh water) guidance value. The exceedances were observed in two samples collected adjacent to the site and one sample collected upstream from the site. The highest concentration was detected in a sample collected upstream

from the site. As such, it is reasonable to assume that the benzo(a)anthracene detections are associated with a source(s) upgradient from the site.

1.2.7 Soil Vapor Quality

The Soil Vapor Intrusion Evaluation Report letter (Arcadis 2008) concluded that additional soil vapor investigations were not warranted because the service center building is mainly used to store materials and supplies used by NYSEG gasfitters and only low levels of VOCs were detected in soil vapor and indoor air.

1.3 Overview of Remedial Activities

The selected site remedy was presented in the NYSDEC's March 2011 Record of Decision (ROD) (NYSDEC 2011). The primary remedial action objectives (RAOs) for the site, as set forth in the ROD, were to prevent to the extent practicable:

- Ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Contact with, or inhalation of volatiles, from contaminated groundwater.
- Discharge of contaminants to surface water.
- Surface water contamination which may result in fish advisories.
- Ingestion/direct contact with contaminated soil.
- Inhalation of contaminants volatilizing from contamination in soil.
- Migration of contaminants that would result in groundwater or surface water contamination.
- Direct contact with contaminated sediments.
- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at the site.

And to restore to the extent practicable:

- The groundwater aquifer to pre-disposal/pre-release conditions.
- Sediments to pre-release/background conditions.

To meet the above RAOs, NYSEG implemented the NYSDEC-selected remedy from September through November 2016 to address environmental impacts identified at the site. Remedial activities generally included:

- Conducting in-situ soil solidification (ISS) to address MGP impacted material, including former MGP structures, foundations, and source material outside the footprint of the existing structures.
- Removing and disposing of the underground storage tank.
- Removing impacted Rio Grande Creek sediment near the 24-inch storm sewer outfall pipe outlet to a depth up to two feet to address elevated levels of PAHs.
- Installing NAPL monitoring wells in the area between the existing service center building and the ISS treatment area.
- Installing a site cover to allow for commercial use of the site.

Site remedy-related activities are documented in the March 2021 Final Engineering Report (FER) (Arcadis 2021b).

2 Remedy Performance, Effectiveness, and Protectiveness

As detailed in the FER, remedial activities at the site achieved the following remedial objectives:

- Conducting ISS to address MGP impacted material.
- Removing and disposing of the underground storage tank.
- Removing potentially site-related impacted Rio Grande Creek sediment.
- Installing NAPL monitoring wells.
- Installing a site cover to allow for commercial use of the site.
- Executing an environmental easement to restrict land use and prevent development.
- Implementing an SMP for long-term management of remaining impacts which includes plans for: (1) ICs/ECs; (2) monitoring; (3) operation and maintenance; and (4) reporting.

The extent of remaining site media containing MGP-related impacts is detailed in the FER. Because impacted soil and groundwater remains beneath the site after completion of the remedial action, ICs/ECs described in Section 3 are required to protect human health and the environment. Long-term management of the ICs/ECs will be performed in accordance with the NYSDEC-approved SMP (Arcadis, 2021c). Monitoring activities for the current period are detailed in Section 4.2.

3 IC/EC Plan Compliance

This section provides an overview of the ICs and ECs that have been implemented and installed at the site as a part of the remedial actions for the site. This section also summarizes the compliance status of the ICs and ECs with respect to requirements set forth in the site SMP.

3.1 Engineering Controls

In accordance with the ROD, exposure to remaining site impacts is prevented by a soil cover system placed over the site. Additionally, NAPL monitoring wells were installed to collect potentially mobile NAPL.

The cover system is comprised of a minimum of four feet of imported fill, geotextile, eight inches of subgrade, with four inches of asphalt pavement within the ISS treatment limits and four inches of asphalt pavement outside the ISS treatment limits (i.e., north of the service center building). Asphalt cover inspection and maintenance procedures are provided in Section 4 of the SMP. The Excavation Work Plan (Appendix C of the SMP) outlines the procedures required to be implemented for future site intrusive activities and/or disturbance of underlying remaining impacts (including to solidified material).

NAPL monitoring wells are located between the existing service center building and the ISS monolith to facilitate potentially mobile NAPL recovery downgradient of the existing service center building, to the extent practicable. NAPL monitoring wells were installed to an approximate depth of 25 to 32 feet below grade and consist of 6-inch diameter polyvinyl chloride wells equipped with a 5-foot sump (installed in the till unit) and completed with flush-mount well covers. NAPL monitoring well gauging has been completed in accordance with the SMP.

The asphalt cover limits and NAPL monitoring wells are shown on Figure 2. Monitoring and inspection activities at the site have been completed in accordance with the SMP.

3.2 Institutional Controls

The ROD requires a series of ICs for the site to: (1) implement, maintain, and monitor Engineering Control systems; (2) prevent future exposure to remaining impacts; and (3) limit site use and development. Adherence to these ICs on the site is required by the environmental easement and will be implemented under the SMP. ICs below may not be discontinued without an amendment to or extinguishment of the environmental easement. These ICs are:

- All ECs must be operated and maintained as specified in the SMP.
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- Groundwater and other environmental or public monitoring must be performed as defined in the SMP.
- Data and information pertinent to site management must be reported at the frequency and in a manner defined in the SMP.
- All future activities that will disturb remaining impacted/solidified material must be conducted in accordance with the SMP.
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.

- Operation, maintenance, monitoring, inspection, and reporting of mechanical or physical remedy components will be performed as defined in the SMP.
- Implementing an institutional control in the form of an environmental easement for the controlled property that:
  - Requires the site owner to complete and submit to the NYSDEC, a periodic IC/EC certification in accordance with 6 NYCRR Part 375-1.8 (h)(3).
  - Limits the use and development of the controlled property for commercial and industrial use, recognizing that land use is subject to local zoning laws.
  - Restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDEC, New York State Department of Health, or Orange County Department of Health.
  - Prohibits agriculture or vegetable gardens on the controlled property.
  - Requires compliance with the SMP.
- Access to the site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the environmental easement.
- The potential for vapor intrusion must be evaluated for any new buildings developed on the site, and potential impacts that area identified must be monitored or mitigated.

3.3 IC/EC Monitoring and Compliance

Pursuant to the SMP, monitoring is required to confirm that the ICs and ECs at the site remain in place and remain effective. Site inspections will be performed in accordance with the SMP or NYSDEC-approved revised reporting schedule and will include visual inspection of the cover system for evidence of erosion, perturbation, and/or ground intrusive activities.

During inspections, an inspection form is completed that will compile sufficient information to assess the following:

- Compliance with all ICs, including site usage.
- An evaluation of the condition and continued effectiveness of the cover system.
- General site conditions at the time of the inspection.
- Monitoring activities being conducted.
- Compliance with record-keeping requirements (i.e., confirm that site records are up to date).

The most recent monitoring/site inspection activities were completed on November 15, 2024 and are detailed below in Section 4.2.

3.3.1 IC/EC Certifications

The completed IC/EC certification form required by NYSDEC is provided in Attachment 1. In accordance with NYSDEC requirements, the certification form has been stamped and signed by Mr. Matthew Hysell, a licensed New York State Professional Engineer from Arcadis, as a designated representative of NYSEG.

4 Monitoring Plan Compliance

This section summarizes post-remedial monitoring activities that have been completed or are currently ongoing to evaluate the performance and effectiveness of the remedial actions implemented at the site. This section also outlines the activities that were implemented during the monitoring period and proposed monitoring approach modifications (if any) based on the monitoring results.

As identified above, site management activities are completed on a five quarter (15-month) frequency and the PRR frequency was modified to be submitted biennially (every 2-years).

4.1 Monitoring Program

Monitoring activities that have been completed or are currently ongoing in connection with the site include:

- Conducting periodic gauging (quarterly, semi-annual, annual, or every five quarters) to assess the presence/absence of NAPL and measure depth to groundwater.
- Collecting and analyzing samples to assess groundwater quality.
- Conducting a site-wide inspection to assess continued EC effectiveness and confirm SMP and environmental easement compliance.

Results of monitoring activities completed through September 2023 are presented in their respective Post-Construction Monitoring Reports or PRRs, previously submitted to the NYSDEC. A summary of previous and current monitoring activities is provided below.

4.1.1 NAPL Gauging and Groundwater Measurement

NAPL gauging is conducted to identify wells where NAPL accumulates, facilitate NAPL accumulation rate estimation, and develop a removal schedule in accordance with the SMP. NAPL gauging was conducted on a quarterly basis for 2018, 2019, and 2020; semi-annually for 2021 and 2022; annually in 2023; and on a five-quarter frequency starting in 2024.

Site-wide depths to groundwater were measured in conjunction with NAPL gauging. The monitoring well network including NAPL monitoring wells are shown on Figure 2.

4.1.2 Groundwater Sampling

Based on historical groundwater data, the extent of impacted groundwater is stable. Groundwater samples are collected every five quarters from each well included in the monitoring well network (as identified in the SMP), to assess the performance and effectiveness of the remedy. Groundwater samples are collected using low-flow groundwater purging and sampling techniques. However, during previous sampling events monitoring well MW08-07S does not recharge adequately to conduct low-flow purging and sampling, therefore, grab samples are collected from this monitoring well. Field personnel also collect and submit one set of quality assurance/quality control (QA/QC) samples, including a field duplicate, matrix spike, and matrix spike duplicate for laboratory analysis. Groundwater samples are submitted for analysis of:

- BTEX using United States Environmental Protection Agency (USEPA) SW-846 Method 8260D.

- PAHs using USEPA SW-846 Method 8270E.
- Total cyanide using USEPA SW-846 method 9012B.

Groundwater monitoring well locations are shown on Figure 2.

4.1.3 Site-Wide Inspection

A site-wide inspection is performed every five quarters in accordance with the NYSDEC approval letter to NYSEG dated January 4, 2024 (NYSDEC 2024), and in conjunction with the monitoring activities described above. In general, site-wide inspections assess and document the following:

- Compliance with all ICs, including site usage.
- Evaluation of the condition and continued effectiveness of ECs.
- General site conditions at the time of inspection.
- Site management activities being conducted.

4.2 Monitoring Activities for Current Period

Post-construction monitoring and sampling activities performed during the reporting period covered by this PRR were completed from November 13 to November 15, 2024, in accordance with the NYSDEC-approved SMP. These monitoring and sampling activities are detailed in the subsections below and included:

- NAPL gauging and groundwater elevation measurements at 14 monitoring wells and 6 NAPL monitoring wells.
- Groundwater sampling from 14 monitoring wells and laboratory analysis for BTEX, PAH, and total cyanide.

Note, post-construction monitoring activities began in 2018 and are documented in the respective Post-Construction Monitoring Reports (Arcadis 2019a, 2019b, 2021a, 2021d) and PRRs (Arcadis 2022, 2023).

4.2.1 NAPL Gauging

Field personnel used an oil-water interface probe and/or weighted tape, as necessary, to gauge accumulated NAPL and measure the depth to bottom at each monitoring and NAPL well. NAPL gauging results from the 2024 event are presented in Table 1 along with previous NAPL gauging results (i.e., from 2018 to 2023). A summary of the 2024 NAPL gauging event is presented below.

- Approximately 0.01 feet of NAPL was observed at NAPL monitoring well NMW16-02. NAPL was also observed at this well in 2023.
- Approximately 0.02 feet of NAPL was observed at NAPL monitoring wells NWM16-03 and NWM16-05. NAPL was not previously observed at NMW16-03. Trace NAPL was observed at NMW16-05 in 2019.
- NAPL was not observed or measured in the remaining wells.

4.2.2 Groundwater Elevations and Flow

Field personnel collected a synoptic round of water level measurements during the gauging event. Depth to water was measured from surveyed marks on the top of the inner well casings and converted to elevations.

Groundwater elevation data for each monitoring event are summarized in Table 1. Water table and deep overburden potentiometric surface contour maps for the 2024 monitoring event are presented as Figures 3 and 4, respectively.

The ground surface elevation near the ISS mass is approximately 430 to 431 feet above mean sea level (AMSL) and the top of the ISS mass elevation is approximately 425 feet AMSL. As expected, the 2024 water table was encountered within the clean fill material immediately above the ISS mass (i.e., at approximately 424 feet AMSL), and shallow overburden groundwater likely flows above and around the ISS mass. Pre- and post-remediation shallow groundwater flow directions are similar. The 2024 water table is generally within +/- 1.5 to 2.5 feet of previously measured water table elevations, which is expected given historical seasonal fluctuations.

The 2024 deep potentiometric surface is generally within +/- 3 feet of the 2008-2009 RI measured potentiometric surface. As presented in the 2018 Post-Construction Monitoring Report (Arcadis 2019a), deep monitoring wells are screened at or below the bottom of the ISS mass (i.e., approximately 403 feet AMSL). Given that the permeability of the ISS mass is approximately two orders of magnitude less than that of the deep soils (i.e., fine sand/silt and till), groundwater in the deep overburden near the ISS mass is inferred to mostly flow around and beneath the ISS mass. Downgradient from the ISS mass, pre- and post-remediation deep groundwater flow directions are generally consistent with those observed during previous monitoring events.

4.2.3 Groundwater Quality

Arcadis conducted the post-remediation groundwater sampling event from November 13 to 15, 2024. Groundwater samples, including QA/QC samples, were collected in accordance with the SMP and submitted to Pace Analytical Services for laboratory analysis. Groundwater sampling logs are provided as Attachment 2.

Analytical results were reported using NYSDEC Analytical Service Protocol Category B data deliverables, the laboratory report is included as Attachment 3. Arcadis validated the data, and the Data Usability Summary Report is included as Attachment 4 and validated analytical results are summarized in Table 2. Analytical results presented in Table 2 are compared to TOGS 1.1.1 Class GA groundwater quality standards/guidance values. Table 2 also includes analytical results for groundwater samples collected during previous groundwater sampling events (i.e., RI Report, the 2018 baseline monitoring event [completed in January 2019], and September 2019, September 2020, September 2021, August/September 2022, and September 2023 post-construction monitoring events). Analytical results for the 2024 groundwater monitoring event are summarized in the subsections below.

4.2.3.1 Dissolved BTEX

BTEX compounds were detected in the groundwater sample collected from monitoring well MW08-05S. Benzene and total xylenes were detected at concentrations greater than the Class GA groundwater quality standard. The benzene concentration in the November 2024 sample is greater than the September 2023 results but generally consistent with concentrations detected since September 2021. The total xylenes concentration in the November 2024 sample are greater than the September 2023 results but generally consistent with levels detected in September 2020 and 2022.

BTEX compounds were not detected above the method detection limit (MDL) at the remaining wells sampled during the 2024 event.

4.2.3.2 Dissolved PAHs

Four PAH compounds (benzo[a]anthracene, benzo[b]fluoranthene, chrysene, and indeno[1,2,3-cd]pyrene) were detected at concentrations exceeding the TOGS 1.1.1 Class GA groundwater guidance values from monitoring well MW93-1S. PAH concentrations detected in the groundwater sample from this well were generally consistent with previously detected concentrations.

PAH compounds were not detected above the MDL at the remaining wells sampled.

4.2.3.3 Cyanide

Cyanide was not detected in any of the wells at a concentration greater than the Class GA groundwater standard (200 micrograms per liter). However, analytical results for groundwater samples collected during the 2024 event indicate that cyanide was detected at seven monitoring wells:

- MW93-1D (located upgradient of the ISS mass) at concentrations higher than those detected in 2022 and 2023 but lower than concentrations from 2021.
- MW93-1S (located upgradient of the ISS mass) at concentrations less than those detected in previous sampling events.
- MW93-02D, MW18-04S, and MW08-05D (located downgradient of the ISS mass) at concentrations equal to or less than those detected in previous sampling events.
- MW93-02S and MW08-05S (located downgradient of the ISS mass) at concentrations consistent with those detected in previous sampling events.

Cyanide was not detected above the MDL at remaining wells, which are generally consistent with or less than previous sampling events.

4.2.4 Site Inspection

During the 2024 post-remediation groundwater sampling event, Arcadis conducted a site inspection to evaluate site usage, general site conditions, and the condition and continued effectiveness of the asphalt cover system, in accordance with the SMP. No signs of intrusive sitework were observed within the limits of the site cover system. The November 2024 site inspection form is included as Attachment 5.

4.2.5 Monitoring Well Maintenance and Repairs

Monitoring wells were inspected to ensure all components were present and to identify any damage during the November 2024 post-remediation groundwater sampling event. Arcadis returned to the site from March 31 and April 1, 2025, to complete the following maintenance and repair activities:

- All well covers were removed and cleared of accumulated dirt and gravel.
- Missing or stripped cover bolts were retapped and/or replaced as necessary.
- Missing locks and/or J-plugs were replaced (as needed).
- Curb boxes were replaced at monitoring wells MW93-1S and MW93-1D.
- The curb box and concrete pad at monitoring well MW08-02 was raised to prevent water infiltration due to the location immediately adjacent to a roof stormwater drain.

- PVC well casings were modified to accommodate the J-plug, lock, and/or cover at MW93-1D, MW93-1S, MW93-02D, MW93-02S, MW08-05D, MW08-05S, MW08-07D, MW08-07S, MW08-08S, and MW08-08D.
- Measuring point elevations for modified or repaired wells were resurveyed on May 9, 2025. Revised measuring point elevations are provided in Table 4-1 below.

Table 4-1: Measuring Point Survey Elevations

Monitoring Well ID	Measuring Point Elevation (feet AMSL)
MW08-07D	435.66
MW08-07S	435.85
MW08-08D	432.44
MW08-08S	430.14
MW08-05D	429.57
MW08-05S	429.30
MW93-1D	435.68
MW93-1S	435.49
MW93-2D	429.40
MW93-2S	429.75

Note: Updated measuring point elevations will be used during the next field event scheduled for Quarter 1 (Q1) 2026.

4.2.6 Waste Management

Arcadis containerized and staged investigation derived waste (IDW) generated during the groundwater sampling and NAPL gauging activities in appropriately labeled New York State Department of Transportation-approved 55-gallon drums. IDW drums were subsequently transported off-site for treatment/disposal by NYSEG's waste disposal vendor.

4.2.7 Conclusions

The 2024 (i.e., Year 7) post-construction monitoring results are generally consistent with 2018 post-construction baseline conditions (i.e., Year 1). Conclusions based on the 2024 post-construction monitoring results include:

- Post-remediation groundwater flow directions are generally consistent with pre-remediation conditions. Groundwater at/near the ISS mass is inferred to flow over/under and around the mass.
- BTEX concentrations in groundwater downgradient of the ISS mass continue to decrease or remain stable.
- PAH concentrations in groundwater remain consistent with or less than results from previous events.
- Cyanide concentrations in groundwater are generally consistent with results from previous events.

Post-construction groundwater monitoring results from 2019 to 2024 indicate that BTEX, PAHs, and cyanide concentrations continue to be stable or decreasing and are generally less than concentrations during the RI or initial post-construction monitoring event completed in 2019.

4.2.8 Recommendations

Recommendations based on monitoring activities completed to date are included in the subsections below.

4.2.8.1 NAPL and Water Level Gauging and Site Inspection

NYSEG recommends NAPL and water level gauging and site inspection activities to continue at the current five-quarter (15-month) frequency. Gauging and site inspection results will be provided in the next biennial PRR.

4.2.8.2 Groundwater Monitoring

Based on the post-construction monitoring conclusions provided above, prohibition of groundwater usage (as presented in the environmental easement and the NYSDEC-approved SMP for the site), and no current groundwater use in the vicinity of the site, NYSEG recommends groundwater monitoring activities to continue at the current five-quarter (15-month) frequency. The next groundwater sampling events are scheduled to be completed in Q1 2026 and Q2 2027 with results reported in the next biennial PRR due to the NYSDEC in December 2027.

5 Operation and Maintenance Plan Compliance

The site remedy does not rely on any mechanical systems to protect public health and the environment. Therefore, the operation and maintenance requirements are not relevant to this PRR.

6 PRR Conclusions and Recommendations

As discussed above in Section 3, the asphalt site cover areas were observed to be intact and functioning with no evidence of settling, erosion, or ground intrusive activities.

At this time, no further actions are recommended relating to the existing IC/ECs. Operation and maintenance activities will continue at the current five-quarter frequency, in accordance with the NYSDEC approval letter to NYSEG dated January 4, 2024 (NYSDEC 2024), .

Based on the NYSDEC-approved reduced frequency for all site management activities, NYSEG will update the SMP to reflect this change in frequency and will submit the revised SMP to the NYSDEC for their review and approval prior to implementation.

7 References

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NYSDEC, 2024. Site Management Periodic Review Report Response Letter, NYSEG – Goshen MGP, Goshen, Orange County, Site No.: 336046. January 4.

Tables

Table 1
NAPL Gauging and Groundwater Elevation Summary
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Well ID / Date / TIC Elevation (ft AMSL)	Depth to Water (ft bgs)	Depth to Bottom (ft bgs)	Approximate NAPL Thickness[4] (ft)	Groundwater Elevation (ft AMSL)
MW93-1S 435.49				
3/15/2018	5.25	22.30	0.00	430.24
6/13/2018	6.32	22.59	0.00	429.17
9/14/2018	5.25	22.60	0.00	430.24
1/7/2019	5.36	22.22	0.00	430.13
3/8/2019	5.91	22.21	0.00	429.58
6/7/2019	6.08	22.00	0.00	429.41
9/3/2019	6.30	21.90	0.00	429.19
12/13/2019	5.09	21.88	0.00	430.40
3/12/2020	5.30	21.90	0.00	430.19
7/24/2020	6.15	21.80	0.00	429.34
9/14/2020	6.53	21.98	0.00	428.96
12/18/2020	5.90	21.74	0.00	429.59
3/4/2021	5.29	21.70	0.00	430.20
9/13/2021	5.53	21.64	0.00	429.96
3/9/2022	5.39	21.77	0.00	430.10
8/31/2022	6.87	21.59	0.00	428.62
9/20/2023	5.06	21.68	0.00	430.43
11/13/2024	7.25	21.58	0.00	428.24
MW93-1D 435.80				
3/15/2018	8.53	36.70	0.00	427.27
6/13/2018	9.91	36.70	0.00	425.89
9/14/2018	8.50	36.65	0.00	427.30
1/7/2019	8.33	36.79	0.00	427.47
3/8/2019	9.79	36.80	0.00	426.01
6/7/2019	9.68	36.65	0.00	426.12
9/3/2019	9.72	36.86	0.00	426.08
12/13/2019	8.24	36.50	0.00	427.56
3/12/2020	8.93	36.50	0.00	426.87
7/24/2020	9.62	36.45	0.00	426.18
9/14/2020	10.08	36.62	0.00	425.72
12/18/2020	8.90	36.28	0.00	426.90
3/4/2021	8.75	36.38	0.00	427.05
9/13/2021	8.77	36.36	0.00	427.03
3/9/2022	8.42	36.36	0.00	427.38
8/31/2022	10.14	36.46	0.00	425.66
9/20/2023	8.16	36.14	0.00	427.64
11/13/2024	10.31	36.30	0.00	425.49
MW93-2S 429.53				
3/15/2018	NM	NM	0.00	NM
6/13/2018	NM	NM	0.00	NM
9/14/2018	8.38	22.00	0.00	421.15
1/7/2019	8.36	22.20	0.00	421.17
3/8/2019	8.42	22.15	0.00	421.11
6/7/2019	8.77	22.00	0.00	420.76
9/3/2019	9.18	21.91	0.00	420.35
12/13/2019	8.23	21.90	0.00	421.30
3/12/2020	9.65	21.99	0.00	419.88
7/24/2020	9.42	21.90	0.00	420.11
9/14/2020	9.34	21.92	0.00	420.19
12/18/2020	8.70	21.72	0.00	420.83
3/4/2021	8.21	21.85	0.00	421.32
9/13/2021	8.47	20.81	0.00	421.06
3/9/2022	8.19	21.90	0.00	421.34
8/31/2022	9.59	21.51	0.00	419.94
9/20/2023	8.16	21.55	0.00	421.37
11/13/2024	9.32	21.69	0.00	420.21

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MW93-2D 429.52				
3/15/2018	NM	NM	0.00	NM
6/13/2018	NM	NM	0.00	NM
9/14/2018	4.11	30.90	0.00	425.41
1/7/2019	3.82	31.89	0.00	425.70
3/8/2019	5.55	31.15	0.00	423.97
6/7/2019	5.51	30.52	0.00	424.01
9/3/2019	5.12	30.86	0.00	424.40
12/13/2019	3.75	30.85	0.00	425.77
3/12/2020	6.28	30.83	0.00	423.24
7/24/2020	5.28	30.80	0.00	424.24
9/14/2020	5.64	30.84	0.00	423.88
12/18/2020	4.46	30.79	0.00	425.06
3/4/2021	4.35	30.90	0.00	425.17
9/13/2021	4.37	30.79	0.00	425.15
3/9/2022	3.97	29.80	0.00	425.55
8/31/2022	5.76	30.90	0.00	423.76
9/20/2023	3.78	30.59	0.00	425.74
11/13/2024	4.6	30.41	0.00	424.92
MW18-04S[3] 432.74				
3/15/2018	NM	NM	NM	NM
6/13/2018	NM	NM	NM	NM
9/14/2018	NM	NM	NM	NM
1/7/2019	11.40	22.52	0.00	421.34
3/8/2019	11.18	22.05	0.00	421.56
6/7/2019	11.57	21.82	0.00	421.17
9/3/2019	11.94	21.76	0.00	420.80
12/13/2019	10.66	21.80	0.00	422.08
3/12/2020	11.63	21.79	0.00	421.11
7/24/2020	NM	NM	NM	NM
9/14/2020	15.66	21.43	0.00	417.08
12/18/2020	15.50	21.15	0.00	417.24
3/4/2021	15.20	21.50	0.00	417.54
9/13/2021	15.49	21.34	0.00	417.25
3/9/2022	15.20	21.36	0.00	417.54
8/31/2022	15.59	21.42	0.00	417.15
9/20/2023	15.19	21.32	0.00	417.55
11/13/2024	15.6	21.36	0.00	417.14
MW18-04D[3,5] 432.63				
3/15/2018	NM	NM	NM	NM
6/13/2018	NM	NM	NM	NM
9/14/2018	NM	NM	NM	NM
1/7/2019	7.70	42.10	0.00	424.93
3/8/2019	8.76	41.62	0.00	423.87
6/7/2019	8.77	41.12	0.00	423.86
9/3/2019	8.52	41.07	0.00	424.11
12/13/2019	7.10	41.00	0.00	425.53
3/12/2020	8.62	41.09	0.00	424.01
7/24/2020	NM	NM	NM	NM
9/14/2020	9.07	41.05	0.00	423.56
12/18/2020	7.98	40.74	0.00	424.65
3/4/2021	7.78	40.95	0.00	424.85
9/13/2021	7.80	40.85	0.00	424.83
3/9/2022	7.46	40.90	0.00	425.17
8/31/2022	9.09	40.89	0.00	423.54
9/20/2023	7.11	41.31	0.00	425.52
11/13/2024	9.04	40.85	0.00	423.59

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MW08-05S 429.50				
3/15/2018	6.91	18.30	0.00	422.59
6/13/2018	7.30	18.28	0.00	422.20
9/14/2018	6.80	18.35	0.00	422.70
1/7/2019	7.10	18.40	0.00	422.40
3/8/2019	6.95	18.53	0.00	422.55
6/7/2019	7.20	18.50	0.00	422.30
9/3/2019	7.66	18.40	0.00	421.84
12/13/2019	6.85	18.40	0.00	422.65
3/12/2020	7.65	18.40	0.00	421.85
7/24/2020	7.51	18.40	0.00	421.99
9/14/2020	7.64	18.44	0.00	421.86
12/18/2020	7.40	18.23	0.00	422.10
3/4/2021	6.26	18.35	0.00	423.24
9/13/2021	6.96	18.26	0.00	422.54
3/9/2022	NM	NM	0.00	NM
8/31/2022	8.10	18.24	0.00	421.40
9/20/2023	6.86	18.24	0.00	422.64
11/13/2024	7.98	18.15	0.00	421.52
MW08-05D 429.48				
3/15/2018	3.88	35.70	0.00	425.60
6/13/2018	5.42	35.75	0.00	424.06
9/14/2018	4.12	35.85	0.00	425.36
1/7/2019	3.88	36.85	0.00	425.60
3/8/2019	5.52	36.00	0.00	423.96
6/7/2019	5.51	35.63	0.00	423.97
9/3/2019	5.02	35.71	0.00	424.46
12/13/2019	3.74	35.62	0.00	425.74
3/12/2020	5.26	35.70	0.00	424.22
7/24/2020	5.25	35.49	0.00	424.23
9/14/2020	5.61	35.70	0.00	423.87
12/18/2020	4.38	35.44	0.00	425.10
3/4/2021	4.32	35.55	0.00	425.16
9/13/2021	4.55	35.22	0.00	424.93
3/9/2022	NM	NM	0.00	NM
8/31/2022	6.09	34.61	0.00	423.39
9/20/2023	3.80	34.74	0.00	425.68
11/13/2024	5.65	34.62	0.00	423.83
MW08-06S 428.60				
3/15/2018	NM	NM	0.00	NM
6/13/2018	8.87	19.62	0.00	419.73
9/14/2018	8.32	19.70	0.00	420.28
1/7/2019	8.04	19.85	0.00	420.56
3/8/2019	8.51	19.70	0.00	420.09
6/7/2019	8.74	19.70	0.00	419.86
9/3/2019	8.76	19.75	0.00	419.84
12/13/2019	7.86	19.70	0.00	420.74
3/12/2020	8.69	19.66	0.00	419.91
7/24/2020	8.98	19.65	0.00	419.62
9/14/2020	9.18	19.70	0.00	419.42
12/18/2020	8.60	19.63	0.00	420.00
3/4/2021	7.95	12.55	0.00	420.65
9/13/2021	8.57	19.75	0.00	420.03
3/9/2022	7.95	19.70	0.00	420.65
8/31/2022	9.48	19.77	0.00	419.12
9/20/2023	7.86	19.63	0.00	420.74
11/13/2024	9.12	19.63	0.00	419.48

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MW08-06D 428.61				
3/15/2018	NM	NM	0.00	NM
6/13/2018	4.44	39.52	0.00	424.17
9/14/2018	3.05	39.60	0.00	425.56
1/7/2019	2.81	40.13	0.00	425.80
3/8/2019	4.60	39.60	0.00	424.01
6/7/2019	4.52	40.61	0.00	424.09
9/3/2019	4.20	39.50	0.00	424.41
12/13/2019	2.75	39.66	0.00	425.86
3/12/2020	4.26	39.55	0.00	424.35
7/24/2020	4.20	39.55	0.00	424.41
9/14/2020	4.64	39.80	0.00	423.97
12/18/2020	3.52	39.48	0.00	425.09
3/4/2021	3.52	39.48	0.00	425.09
9/13/2021	3.43	39.51	0.00	425.18
3/9/2022	2.93	39.50	0.00	425.68
8/31/2022	4.74	39.57	0.00	423.87
9/20/2023	2.81	39.41	0.00	425.80
11/13/2024	4.75	39.57	0.00	423.86
MW08-07S 435.90				
3/15/2018	3.52	15.55	0.00	432.38
6/13/2018	6.82	15.54	0.00	429.08
9/14/2018	4.32	15.58	0.00	431.58
1/7/2019	1.59	15.61	0.00	434.31
3/8/2019	4.26	15.60	0.00	431.64
6/7/2019	6.17	15.57	0.00	429.73
9/3/2019	6.90	15.50	0.00	429.00
12/13/2019	3.61	15.57	0.00	432.29
3/12/2020	6.42	15.55	0.00	429.48
7/24/2020	6.65	15.54	0.00	429.25
9/14/2020	7.08	18.55	0.00	428.82
12/18/2020	6.30	15.49	0.00	429.60
3/4/2021	3.53	15.58	0.00	432.37
9/13/2021	5.23	15.54	0.00	430.67
3/9/2022	4.17	15.55	0.00	431.73
8/31/2022	7.74	15.53	0.00	428.16
9/20/2023	3.55	15.55	0.00	432.35
11/13/2024	7.95	15.53	0.00	427.95
MW08-07D 435.77				
3/15/2018	9.87	38.85	0.00	425.90
6/13/2018	11.26	38.96	0.00	424.51
9/14/2018	10.10	39.03	0.00	425.67
1/7/2019	9.65	31.15	0.00	426.12
3/8/2019	11.34	39.07	0.00	424.43
6/7/2019	11.29	38.90	0.00	424.48
9/3/2019	11.04	38.95	0.00	424.73
12/13/2019	9.53	38.90	0.00	426.24
3/12/2020	10.99	38.91	0.00	424.78
7/24/2020	11.01	38.90	0.00	424.76
9/14/2020	11.35	38.92	0.00	424.42
12/18/2020	10.20	38.55	0.00	425.57
3/4/2021	10.07	38.98	0.00	425.70
9/13/2021	10.11	38.92	0.00	425.66
3/9/2022	9.67	38.85	0.00	426.10
8/31/2022	11.40	38.89	0.00	424.37
9/20/2023	9.48	38.88	0.00	426.29
11/13/2024	11.45	38.82	0.00	424.32

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MW08-08S 430.61				
3/15/2018	5.93	12.25	0.00	424.68
6/13/2018	5.20	12.23	0.00	425.41
9/14/2018	4.15	12.32	0.00	426.46
1/7/2019	4.51	12.40	0.00	426.10
3/8/2019	4.85	12.50	0.00	425.76
6/7/2019	5.17	12.58	0.00	425.44
9/3/2019	4.88	12.55	0.00	425.73
12/13/2019	4.21	12.50	0.00	426.40
3/12/2020	5.18	12.58	0.00	425.43
7/24/2020	4.96	12.52	0.00	425.65
9/14/2020	5.01	12.54	0.00	425.60
12/18/2020	4.74	12.50	0.00	425.87
3/4/2021	4.55	12.55	0.00	426.06
9/13/2021	4.36	12.57	0.00	426.25
3/9/2022	4.63	12.55	0.00	425.98
8/31/2022	5.11	12.57	0.00	425.50
9/20/2023	4.01	12.53	0.00	426.60
11/13/2024	5.31	12.48	0.00	425.30
MW18-08D[3] 432.33				
3/15/2018	NM	NM	NM	NM
6/13/2018	NM	NM	NM	NM
9/14/2018	NM	NM	NM	NM
1/7/2019	6.82	37.19	NM	425.51
3/8/2019	8.47	37.00	0.00	423.86
6/7/2019	8.46	36.60	0.00	423.87
9/3/2019	8.00	36.67	0.00	424.33
12/13/2019	6.69	36.65	0.00	425.64
3/12/2020	8.23	36.61	0.00	424.10
7/24/2020	8.22	36.60	0.00	424.11
9/14/2020	8.54	36.62	0.00	423.79
12/18/2020	7.31	36.41	0.00	425.02
3/4/2021	7.25	36.55	0.00	425.08
9/13/2021	7.27	36.49	0.00	425.06
3/9/2022	6.96	36.50	0.00	425.37
8/31/2022	8.56	36.55	0.00	423.77
9/20/2023	6.64	36.53	0.00	425.69
11/13/2024	8.56	36.55	0.00	423.77
NMW08-02 429.99				
3/15/2018	NM	NM	0.00	NM
6/13/2018	2.49	21.53	Trace	427.50
9/14/2018	1.54	21.40	Trace	428.45
1/7/2019	1.41	19.85	0.08	428.58
3/8/2019	1.46	21.10	Trace	428.53
6/7/2019	2.01	20.79	Trace	427.98
9/3/2019	NM	NM	NM	NM
12/13/2019	1.70	20.85	Trace	428.29
12/19/2019[6]	6.50	21.80	0.00	423.49
3/12/2020	1.69	21.80	Trace	428.30
7/24/2020	1.87	21.75	Trace	428.12
9/14/2020	2.12	21.85	Trace	427.87
12/18/2020	2.09	21.68	Trace	427.90
3/4/2021	1.86	21.72	Trace	428.13
9/13/2021	1.67	21.59	0.00	428.32
3/9/2022	1.40	21.68	Trace	428.59
8/31/2022	1.57	21.82	Trace	428.42
9/20/2023	1.98	21.78	Trace	428.01
11/13/2024	2.08	21.59	0.00	427.91

See Notes on Page 7.

Table 1
NAPL Gauging and Groundwater Elevation Summary
2025 Periodic Review Report
Goshen Former MGP Site - Goshen, New York

Well ID / Date / TIC Elevation (ft AMSL)	Depth to Water (ft bgs)	Depth to Bottom (ft bgs)	Approximate NAPL Thickness[4] (ft)	Groundwater Elevation (ft AMSL)
NMW16-01 429.82				
3/15/2018	2.54	27.54	0.00	427.28
6/13/2018	3.63	27.55	0.00	426.19
9/14/2018	2.46	27.60	0.00	427.36
1/7/2019	2.55	28.46	0.00	427.27
3/8/2019	3.07	29.10	0.00	426.75
6/7/2019	3.25	27.80	0.00	426.57
9/3/2019	3.46	27.54	0.00	426.36
12/13/2019	2.34	27.60	0.00	427.48
3/12/2020	3.54	27.58	0.00	426.28
7/24/2020	3.36	27.70	0.00	426.46
9/14/2020	3.66	27.70	0.00	426.16
12/18/2020	3.22	27.48	0.00	426.60
3/4/2021	2.62	27.70	0.00	427.20
9/13/2021	2.71	27.69	0.00	427.11
3/9/2022	2.60	27.55	0.00	427.22
8/31/2022	3.97	27.76	0.00	425.85
9/20/2023	1.79	29.02	0.00	428.03
11/13/2024	4.15	27.59	0.00	425.67
NMW16-02 429.88				
3/15/2018	3.82	40.34	0.00	426.06
6/13/2018	5.24	41.52	0.00	424.64
9/14/2018	3.89	40.43	0.00	425.99
1/7/2019	3.58	41.45	0.00	426.30
3/8/2019	5.01	42.80	0.00	424.87
6/7/2019	5.17	41.00	0.00	424.71
9/3/2019	4.86	40.41	0.00	425.02
12/13/2019	3.42	40.25	0.00	426.46
3/12/2020	5.18	40.40	0.00	424.70
7/24/2020	5.08	40.50	0.00	424.80
9/14/2020	5.52	40.44	0.00	424.36
12/18/2020	4.22	40.42	0.00	425.66
3/4/2021	4.20	40.50	0.00	425.68
9/13/2021	4.22	40.24	0.00	425.66
3/9/2022	3.76	40.22	0.00	426.12
8/31/2022	5.51	40.50	0.00	424.37
9/20/2023	3.65	40.50	0.01	426.23
11/13/2024	5.35	40.05	0.01	424.53
NMW16-03 429.95				
3/15/2018	1.84	30.85	0.00	428.11
6/13/2018	2.56	31.40	0.00	427.39
9/14/2018	1.60	30.92	0.00	428.35
1/7/2019	1.57	31.82	0.00	428.38
3/8/2019	2.21	32.64	0.00	427.74
6/7/2019	2.28	31.16	0.00	427.67
9/3/2019	2.33	30.88	0.00	427.62
12/13/2019	1.50	31.00	0.00	428.45
3/12/2020	2.49	31.00	0.00	427.46
7/24/2020	2.39	30.88	0.00	427.56
9/14/2020	2.68	31.14	0.00	427.27
12/18/2020	2.17	30.86	0.00	427.78
3/4/2021	1.72	30.98	0.00	428.23
9/13/2021	1.84	31.01	0.00	428.11
3/9/2022	1.59	30.90	0.00	428.36
8/31/2022	2.54	31.18	0.00	427.41
9/20/2023	0.87	32.80	0.00	429.08
11/13/2024	3.12	31.18	0.02	426.83

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Table 1
NAPL Gauging and Groundwater Elevation Summary
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Goshen Former MGP Site - Goshen, New York

Well ID / Date / TIC Elevation (ft AMSL)	Depth to Water (ft bgs)	Depth to Bottom (ft bgs)	Approximate NAPL Thickness[4] (ft)	Groundwater Elevation (ft AMSL)
NMW16-04 430.11				
3/15/2018	2.30	32.00	0.00	427.81
6/13/2018	2.60	32.00	0.00	427.51
9/14/2018	1.55	32.05	0.00	428.56
1/7/2019	1.73	32.77	Trace	428.38
3/8/2019	2.43	34.00	0.00	427.68
6/7/2019	2.26	32.98	0.00	427.85
9/3/2019	2.32	32.00	0.00	427.79
12/13/2019	1.60	32.08	0.00	428.51
3/12/2020	2.62	32.12	0.00	427.49
7/24/2020	2.38	32.05	0.00	427.73
9/14/2020	2.75	32.07	0.00	427.36
12/18/2020	2.21	32.05	0.00	427.90
3/4/2021	1.93	32.10	0.00	428.18
9/13/2021	1.85	32.02	0.00	428.26
3/9/2022	1.73	31.97	0.00	428.38
8/31/2022	2.47	32.42	0.00	427.64
9/20/2023	0.70	33.84	0.00	429.41
11/13/2024	3.02	32.00	0.00	427.09
NMW16-05 430.74				
3/15/2018	3.31	31.79	0.00	427.43
6/13/2018	2.74	31.88	0.00	428.00
9/14/2018	1.50	31.86	0.00	429.24
1/7/2019	1.71	33.00	Trace	429.03
3/8/2019	2.30	33.50	0.00	428.44
6/7/2019	1.98	32.73	0.00	428.76
9/3/2019	1.92	31.78	0.00	428.82
12/13/2019	1.36	31.90	0.00	429.38
3/12/2020	2.38	31.88	0.00	428.36
7/24/2020	2.24	31.85	0.00	428.50
9/14/2020	2.81	32.18	0.00	427.93
12/18/2020	1.93	31.52	0.00	428.81
3/4/2021	1.65	31.55	0.00	429.09
9/13/2021	1.60	32.05	0.00	429.14
3/9/2022	1.28	31.71	0.00	429.46
8/31/2022	1.92	32.17	0.00	428.82
9/20/2023	1.02	31.35	0.00	429.72
11/13/2024	2.56	32.17	0.02	428.18

Acronyms and Abbreviations:

AMSL = above mean sea level
bgs = below ground surface
ft = feet
NAPL = non-aqueous phase liquid
NM = not measured
TIC = top of inner casing

Notes:

1. NAPL gauging and water level data collected by Arcadis on the dates indicated.
2. Elevations are shown in feet above mean sea level (AMSL) relative to the North American Vertical Datum of 1988 (NAVD88).
3. Monitoring well installed in December 2018 to replace missing wells.
4. "Trace" indicates that NAPL blebs were observed on interface probe/tape.
5. Monitoring well resurveyed on October 30, 2020.
6. Approximately 4 gallons of NAPL/water/sediment mixture removed from well on date indicated. Approximately 0.75 gallons of NAPL recovered. Depth to water recorded immediately after pumping.

Table 2
Groundwater Sample Analytical Results Summary
2025 Periodic Review Report
Goshen Former MGP Site - Goshen, New York

		Location ID:		MW93-01D							
		Date Collected:		10/07/08	01/08/19	09/04/19	9/15/20[6]	9/13/21[6]	09/01/22	09/21/23	11/14/24
Analyte	CAS#	NYSDEC TOGs[3]	Units								
VOCs											
Benzene	71-43-2	1	µg/l	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]
Ethylbenzene	100-41-4	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5 U]
m&p-Xylenes	108-38-3, 106-42-3	5	µg/l	NA	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5 U]
o-Xylene	95-47-6	5	µg/l	NA	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5 U]
Toluene	108-88-3	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5 U]
Xylenes (total)	--	5	µg/l	3.0 U	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total BTEX	--	--	µg/l	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs											
Acenaphthene	83-32-9	20	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U [2.0 U]
Acenaphthylene	208-96-8	--	µg/l	5.0 U	5.0 U	2.0 U	**0.020 J**	**0.090 J**	2.0 U	2.0 U	2.0 U [2.0 U]
Anthracene	120-12-7	50	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	**0.070 J**	2.0 U	2.0 U	2.0 U [2.0 U]
Benz(a)anthracene	56-55-3	0.002	µg/l	5.0 U	5.0 U	2.0 U	**0.060 J**	**0.11**	2.0 U	2.0 U	2.0 U [2.0 U]
Benzo(a)pyrene	50-32-8	ND	µg/l	5.0 U	5.0 U	2.0 U	**0.080 J**	**0.14**	2.0 U	2.0 U	2.0 U [2.0 U]
Benzo(b)fluoranthene	205-99-2	0.002	µg/l	5.0 U	5.0 U	2.0 U	**0.090 J**	**0.20**	2.0 U	2.0 U	2.0 U [2.0 U]
Benzo(g,h,i)perylene	191-24-2	--	µg/l	5.0 U	5.0 U	2.0 U	**0.070 J**	**0.13**	2.0 U	2.0 U	2.0 U [2.0 U]
Benzo(k)fluoranthene	207-08-9	0.002	µg/l	5.0 U	5.0 U	2.0 U	**0.040 J**	**0.070 J**	2.0 U	2.0 U	2.0 U [2.0 U]
Chrysene	218-01-9	0.002	µg/l	5.0 U	5.0 U	2.0 U	**0.040 J**	**0.090 J**	2.0 U	2.0 U	2.0 U [2.0 U]
Dibenz(a,h)anthracene	53-70-3	--	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U	2.0 U [2.0 U]
Fluoranthene	206-44-0	50	µg/l	5.0 U	5.0 U	2.0 U	**0.060 J**	**0.13**	2.0 U	2.0 U	2.0 U [2.0 U]
Fluorene	86-73-7	50	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	**0.030 J**	2.0 U	2.0 U	2.0 U [2.0 U]
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	µg/l	5.0 U	5.0 U	2.0 U	**0.060 J**	**0.14**	2.0 U	2.0 U	2.0 U [2.0 U]
2-Methylnaphthalene	--	--	µg/l	NA	NA	NA	NA	**0.020 J**	NA	NA	NA
Naphthalene	91-20-3	10	µg/l	5.0 U	5.0 U	2.0 U	2.5 U	**0.18 UB**	2.0 U	2.0 U	2.0 U [2.0 U]
Phenanthrene	85-01-8	50	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	**0.080 J**	2.0 U	2.0 U	2.0 U [2.0 U]
Pyrene	129-00-0	50	µg/l	5.0 U	5.0 U	2.0 U	**0.070 J**	**0.13**	2.0 U	2.0 U	2.0 U [2.0 U]
Total PAHs	--	--	µg/l	ND	ND	ND	**0.59 J**	**1.63 J**	ND	ND	ND
Wet Chemistry											
Cyanide	57-12-5	200	µg/l	10.0 U	**6.2 J**	5.0 UB	5.0 U	**28 J**	**10**	**6.0**	**19 [17]**

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Table 2
Groundwater Sample Analytical Results Summary
2025 Periodic Review Report
Goshen Former MGP Site - Goshen, New York

		Location ID:		MW93-01S							
		Date Collected:		10/06/08	01/08/19	09/05/19	9/15/20[6]	9/13/21[6]	09/01/22	09/21/23	11/14/24
Analyte	**CAS#**	**NYSDEC TOGs[3]**	**Units**								
VOCs											
Benzene	71-43-2	1	µg/l	1.0 U	1.0 U [1.0 U]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	100-41-4	5	µg/l	1.0 U	1.0 U [1.0 U]	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m&p-Xylenes	108-38-3, 106-42-3	5	µg/l	NA	2.0 U [2.0 U]	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	95-47-6	5	µg/l	NA	1.0 U [1.0 U]	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Toluene	108-88-3	5	µg/l	1.0 U	1.0 U [1.0 U]	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Xylenes (total)	--	5	µg/l	3.0 U	2.0 U [2.0 U]	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total BTEX	--	--	µg/l	ND	ND [ND]	ND	ND	ND	ND	ND	ND
SVOCs											
Acenaphthene	83-32-9	20	µg/l	5.0 U	25 U [25 U]	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Acenaphthylene	208-96-8	--	µg/l	5.0 U	**2.4 J [25 U]**	2.0 U	**0.13**	**0.27**	2.0 U	2.0 U	2.0 U
Anthracene	120-12-7	50	µg/l	5.0 U	**1.5 J [25 U]**	2.0 U	**0.090 J**	**0.31**	2.0 U	2.0 U	2.0 U
Benz(a)anthracene	56-55-3	0.002	µg/l	**0.60 J**	**8.3 J [4.8 J]**	2.0 U	**0.49**	**0.7**	2.0 U	2.0 U	**0.9 J**
Benzo(a)pyrene	50-32-8	ND	µg/l	**0.80 J**	**11 J [7.5 J]**	2.0 U	**0.71**	**0.95**	2.0 U	2.0 U	**1.3 J**
Benzo(b)fluoranthene	205-99-2	0.002	µg/l	**1.0 J**	**15 J [9.9 J]**	2.0 U	**0.87**	**1.4**	2.0 U	2.0 U	**2.0**
Benzo(g,h,i)perylene	191-24-2	--	µg/l	**0.70 J**	**8.7 J [5.6 J]**	2.0 U	**0.49**	**0.86**	2.0 U	2.0 U	**1.2 J**
Benzo(k)fluoranthene	207-08-9	0.002	µg/l	**0.50 J**	**6.4 J [3.9 J]**	2.0 U	**0.35**	**0.46**	2.0 U	2.0 U	2.0 U
Chrysene	218-01-9	0.002	µg/l	**0.50 J**	**8.2 J [5.4 J]**	2.0 U	**0.42**	**0.61**	2.0 U	2.0 U	**0.83 J**
Dibenz(a,h)anthracene	53-70-3	--	µg/l	5.0 U	2.9 J [25 U]	2.0 U	**0.10**	**0.18**	2.0 U	2.0 U	2.0 U
Fluoranthene	206-44-0	50	µg/l	**0.90 J**	**13 J [8.3 J]**	2.0 U	**0.76**	**0.84**	2.0 U	**0.33 J**	**1.4 J**
Fluorene	86-73-7	50	µg/l	5.0 U	25 U [25 U]	2.0 U	**0.030 J**	**0.030 J**	2.0 U	2.0 U	2.0 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	µg/l	**0.60 J**	**7.8 J [5.3 J]**	2.0 U	**0.55**	**0.96**	2.0 U	2.0 U	**1.2 J**
2-Methylnaphthalene	--	--	µg/l	NA	NA	NA	NA	0.10 U	NA	NA	NA
Naphthalene	91-20-3	10	µg/l	5.0 U	25 U [25 U]	2.0 U	2.5 U	**0.070 J**	2.0 U	2.0 U	2.0 U
Phenanthrene	85-01-8	50	µg/l	5.0 U	3.2 J [25 U]	2.0 U	**0.19**	**0.19**	2.0 U	2.0 U	2.0 U
Pyrene	129-00-0	50	µg/l	**0.80 J**	**12 J [7.3 J]**	2.0 U	**0.70**	**0.78**	2.0 U	**0.30 J**	**1.2 J**
Total PAHs	--	--	µg/l	**6.4 J**	**100 J [58 J]**	ND	**5.88 J**	**8.61 J**	ND	**0.63 J**	**10.0 J**
Wet Chemistry											
Cyanide	57-12-5	200	µg/l	10.0 U	**7.6 J [8.6 J]**	5.0 U	5.0 U	**31 J**	**7.0**	**24**	**6.0**

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Table 2
Groundwater Sample Analytical Results Summary
2025 Periodic Review Report
Goshen Former MGP Site - Goshen, New York

		Location ID:		MW93-02D							
		Date Collected:		10/08/08	01/08/19	09/04/19	9/15/20[6]	9/13/21[6]	08/31/22	09/22/23	11/15/24
Analyte	CAS#	NYSDEC TOGs[3]	Units								
VOCs											
Benzene	71-43-2	1	µg/l	1.0 U	1.0 U	0.50 U [0.50 U]	**0.18 J**	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	100-41-4	5	µg/l	1.0 U	1.0 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m&p-Xylenes	108-38-3, 106-42-3	5	µg/l	NA	2.0 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	95-47-6	5	µg/l	NA	1.0 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Toluene	108-88-3	5	µg/l	1.0 U	1.0 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Xylenes (total)	--	5	µg/l	3.0 U	2.0 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total BTEX	--	--	µg/l	ND	ND	ND [ND]	**0.18 J**	ND	ND	ND	ND
SVOCs											
Acenaphthene	83-32-9	20	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	0.10 U	**0.11**	2.0 U	2.0 U	2.0 U
Acenaphthylene	208-96-8	--	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	0.10 U	**0.14**	2.0 U	2.0 U	2.0 U
Anthracene	120-12-7	50	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	0.10 U	**0.12**	2.0 U	2.0 U	2.0 U
Benz(a)anthracene	56-55-3	0.002	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	**0.030 J**	**0.13**	2.0 U	2.0 U	2.0 U
Benzo(a)pyrene	50-32-8	ND	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	**0.030 J**	**0.11**	2.0 U	2.0 U	2.0 U
Benzo(b)fluoranthene	205-99-2	0.002	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	**0.040 J**	**0.13**	2.0 U	2.0 U	2.0 U
Benzo(g,h,i)perylene	191-24-2	--	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	**0.030 J**	**0.12**	2.0 U	2.0 U	2.0 U
Benzo(k)fluoranthene	207-08-9	0.002	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	**0.020 J**	**0.11**	2.0 U	2.0 U	2.0 U
Chrysene	218-01-9	0.002	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	**0.020 J**	**0.11**	2.0 U	2.0 U	2.0 U
Dibenz(a,h)anthracene	53-70-3	--	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	0.10 U	**0.12**	2.0 U	2.0 U	2.0 U
Fluoranthene	206-44-0	50	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	**0.040 J**	**0.13**	2.0 U	2.0 U	2.0 U
Fluorene	86-73-7	50	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	0.10 U	**0.14**	2.0 U	2.0 U	2.0 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	**0.030 J**	**0.12**	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	--	--	µg/l	NA	NA	NA [NA]	NA	**0.14**	NA	NA	NA
Naphthalene	91-20-3	10	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	**1.7 J**	**0.38**	2.0 U	2.0 U	2.0 U
Phenanthrene	85-01-8	50	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	**0.030 J**	**0.17**	2.0 U	2.0 U	2.0 U
Pyrene	129-00-0	50	µg/l	5.0 U	5.0 U	2.0 U [2.0 U]	**0.040 J**	**0.12**	2.0 U	2.0 U	2.0 U
Total PAHs	--	--	µg/l	ND	ND	ND [ND]	**2.01 J**	**2.40**	ND	ND	ND
Wet Chemistry											
Cyanide	57-12-5	200	µg/l	10.0 UJ	10.0 U	5.0 U [5.0 U]	5.0 U	5.0 UJ	**3.0 J**	**15**	**3.0 J**

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Table 2
Groundwater Sample Analytical Results Summary
2025 Periodic Review Report
Goshen Former MGP Site - Goshen, New York

		Location ID:		MW93-02S							
		Date Collected:		10/07/08	01/08/19	09/05/19	9/15/20[6]	9/13/21[6]	08/31/22	09/22/23	11/15/24
Analyte	CAS#	NYSDEC TOGs[3]	Units								
VOCs											
Benzene	71-43-2	1	µg/l	1.0 U	1.0 U	0.50 U	**0.19 J**	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	100-41-4	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m&p-Xylenes	108-38-3, 106-42-3	5	µg/l	NA	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	95-47-6	5	µg/l	NA	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Toluene	108-88-3	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Xylenes (total)	--	5	µg/l	3.0 U	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total BTEX	--	--	µg/l	ND	ND	ND	**0.19 J**	ND	ND	ND	ND
SVOCs											
Acenaphthene	83-32-9	20	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Acenaphthylene	208-96-8	--	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U	2.0 U
Anthracene	120-12-7	50	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Benz(a)anthracene	56-55-3	0.002	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Benzo(a)pyrene	50-32-8	ND	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Benzo(b)fluoranthene	205-99-2	0.002	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	**0.010 J**	2.0 U	2.0 U	2.0 U
Benzo(g,h,i)perylene	191-24-2	--	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Benzo(k)fluoranthene	207-08-9	0.002	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Chrysene	218-01-9	0.002	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Dibenz(a,h)anthracene	53-70-3	--	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Fluoranthene	206-44-0	50	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U	2.0 U
Fluorene	86-73-7	50	µg/l	5.0 U	5.0 U	2.0 U	**0.030 J**	**0.020 J**	2.0 U	2.0 U	2.0 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	--	--	µg/l	NA	NA	NA	NA	**0.020 J**	NA	NA	NA
Naphthalene	91-20-3	10	µg/l	5.0 U	5.0 U	2.0 U	2.5 U J	**0.14**	2.0 U	2.0 U	2.0 U
Phenanthrene	85-01-8	50	µg/l	5.0 U	5.0 U	2.0 U	**0.040 J**	**0.10 UB**	2.0 U	2.0 U	2.0 U
Pyrene	129-00-0	50	µg/l	5.0 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U	2.0 U
Total PAHs	--	--	µg/l	ND	ND	ND	**0.1 J**	**0.29 J**	ND	ND	ND
Wet Chemistry											
Cyanide	57-12-5	200	µg/l	**67.0**	**9.7 J**	**18**	**4.0 J**	**7.0 J**	**3.0 J**	**2.0**	**3.0 J**

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Table 2
Groundwater Sample Analytical Results Summary
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Goshen Former MGP Site - Goshen, New York

		Location ID:		MW08-04D[5]	MW18-04D						
		Date Collected:		03/31/09	01/07/19	09/04/19	9/15/20[6]	9/13/21[6]	08/31/22	09/20/23	11/14/24
Analyte	**CAS#**	**NYSDEC TOGs[3]**	**Units**								
VOCs											
Benzene	71-43-2	1	µg/l	1.0 U	1.0 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	100-41-4	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U	2.5 U
m&p-Xylenes	108-38-3, 106-42-3	5	µg/l	NA	2.0 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	95-47-6	5	µg/l	NA	1.0 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U	2.5 U
Toluene	108-88-3	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U	2.5 U
Xylenes (total)	--	5	µg/l	2.0 U	2.0 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U	2.5 U
Total BTEX	--	--	µg/l	ND	ND	ND	ND [ND]	ND	ND	ND	ND
SVOCs											
Acenaphthene	83-32-9	20	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	0.10 U	2.0 U	2.0 U	2.0 U
Acenaphthylene	208-96-8	--	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	**0.010 J**	2.0 U	2.0 U	2.0 U
Anthracene	120-12-7	50	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	0.10 U	2.0 U	2.0 U	2.0 U
Benz(a)anthracene	56-55-3	0.002	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	0.10 U	2.0 U	2.0 U	2.0 U
Benzo(a)pyrene	50-32-8	ND	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	0.10 U	2.0 U	2.0 U	2.0 U
Benzo(b)fluoranthene	205-99-2	0.002	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	0.10 U	2.0 U	2.0 U	2.0 U
Benzo(g,h,i)perylene	191-24-2	--	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	0.10 U	2.0 U	2.0 U	2.0 U
Benzo(k)fluoranthene	207-08-9	0.002	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	0.10 U	2.0 U	2.0 U	2.0 U
Chrysene	218-01-9	0.002	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	0.10 U	2.0 U	2.0 U	2.0 U
Dibenz(a,h)anthracene	53-70-3	--	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	0.10 U	2.0 U	2.0 U	2.0 U
Fluoranthene	206-44-0	50	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	0.10 U	2.0 U	2.0 U	2.0 U
Fluorene	86-73-7	50	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	0.10 U	2.0 U	2.0 U	2.0 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	0.10 U	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	--	--	µg/l	NA	NA	NA	NA	0.10 U	NA	NA	NA
Naphthalene	91-20-3	10	µg/l	4.7 U	5.0 U	2.0 U	2.5 U [2.5 U]	**0.080 J**	2.0 U	2.0 U	2.0 U
Phenanthrene	85-01-8	50	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	**0.10 UB**	2.0 U	2.0 U	2.0 U
Pyrene	129-00-0	50	µg/l	4.7 U	5.0 U	2.0 U	0.10 U [0.10 U]	0.10 U	2.0 U	2.0 U	2.0 U
Total PAHs	--	--	µg/l	ND	ND	ND	ND	**0.110 J**	ND	ND	ND
Wet Chemistry											
Cyanide	57-12-5	200	µg/l	**28.1**	10.0 U	5.0 U	5.0 U [5.0 U]	5.0 UJ	5.0 U	5.0 U	5.0 U

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Table 2
Groundwater Sample Analytical Results Summary
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Goshen Former MGP Site - Goshen, New York

		Location ID:		MW08-04S[5]	MW18-04S						
		Date Collected:		03/31/09	01/07/19	09/05/19	9/15/20[6]	9/13/21[6]	08/31/22	09/20/23	11/14/24
Analyte	CAS#	NYSDEC TOGs[3]	Units								
VOCs											
Benzene	71-43-2	1	µg/l	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U
Ethylbenzene	100-41-4	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5]	2.5 U
m&p-Xylenes	108-38-3, 106-42-3	5	µg/l	NA	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5]	2.5 U
o-Xylene	95-47-6	5	µg/l	NA	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5]	2.5 U
Toluene	108-88-3	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5]	2.5 U
Xylenes (total)	--	5	µg/l	2.0 U	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5]	2.5 U
Total BTEX	--	--	µg/l	ND	ND	ND	ND	ND	ND	ND [ND]	ND
SVOCs											
Acenaphthene	83-32-9	20	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Acenaphthylene	208-96-8	--	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Anthracene	120-12-7	50	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Benz(a)anthracene	56-55-3	0.002	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Benzo(a)pyrene	50-32-8	ND	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Benzo(b)fluoranthene	205-99-2	0.002	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Benzo(g,h,i)perylene	191-24-2	--	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.030 J**	2.0 U	2.0 U [2.0 U]	2.0 U
Benzo(k)fluoranthene	207-08-9	0.002	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Chrysene	218-01-9	0.002	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Dibenz(a,h)anthracene	53-70-3	--	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.040 J**	2.0 U	2.0 U [2.0 U]	2.0 U
Fluoranthene	206-44-0	50	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Fluorene	86-73-7	50	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U [2.0 U]	2.0 U
2-Methylnaphthalene	--	--	µg/l	NA	NA	NA	NA	0.10 U	NA	NA	NA
Naphthalene	91-20-3	10	µg/l	4.9 U	5.0 U	2.0 U	2.5 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Phenanthrene	85-01-8	50	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Pyrene	129-00-0	50	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Total PAHs	--	--	µg/l	ND	ND	2.0 U	ND	**0.090 J**	ND	ND [ND]	ND
Wet Chemistry											
Cyanide	57-12-5	200	µg/l	10.0 U	**6.5 J**	5.0 U	**17**	**8.0 J**	**6.0**	**32 [29]**	**3.0 J**

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Table 2
Groundwater Sample Analytical Results Summary
2025 Periodic Review Report
Goshen Former MGP Site - Goshen, New York

		Location ID:		MW08-05D							
		Date Collected:		03/31/09	01/08/19	09/03/19	9/14/20[6]	9/13/21[6]	09/02/22	09/22/23	11/14/24
Analyte	CAS#	NYSDEC TOGs[3]	Units								
VOCs											
Benzene	71-43-2	1	µg/l	**230 D [230 D]**	1.0 U	0.50 U	**0.59**	0.50 U [0.50 U]	0.50 U	0.50 U	0.50 U
Ethylbenzene	100-41-4	5	µg/l	**61 [74]**	1.0 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U
m&p-Xylenes	108-38-3, 106-42-3	5	µg/l	NA	2.0 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U
o-Xylene	95-47-6	5	µg/l	NA	1.0 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U
Toluene	108-88-3	5	µg/l	**1.2 [1.2 J]**	1.0 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U
Xylenes (total)	--	5	µg/l	**56 [57]**	2.0 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U	2.5 U
Total BTEX	--	--	µg/l	**350 [360 J]**	ND	ND	**0.59**	ND [ND]	ND	ND	ND
SVOCs											
Acenaphthene	83-32-9	20	µg/l	4.8 U [4.7 U]	5.0 U	2.0 U	**0.11**	0.10 U [0.10 U]	2.0 U	2.0 U	2.0 U
Acenaphthylene	208-96-8	--	µg/l	4.8 U [4.7 U]	5.0 U	2.0 U	**0.050 J**	**0.030 J [0.030 J]**	2.0 U	2.0 U	2.0 U
Anthracene	120-12-7	50	µg/l	4.8 U [4.7 U]	5.0 U	2.0 U	**0.040 J**	**0.020 J [0.020 J]**	2.0 U	2.0 U	2.0 U
Benz(a)anthracene	56-55-3	0.002	µg/l	4.8 U [0.20 J]	5.0 U	2.0 U	0.10 U	**0.060 J [0.070 J]**	2.0 U	2.0 U	2.0 U
Benzo(a)pyrene	50-32-8	ND	µg/l	4.8 U [4.7 U]	5.0 U	2.0 U	0.10 U	**0.060 J [0.070 J]**	2.0 U	2.0 U	2.0 U
Benzo(b)fluoranthene	205-99-2	0.002	µg/l	4.8 U [4.7 U]	5.0 U	2.0 U	**0.020 J**	**0.11 [0.13]**	2.0 U	2.0 U	2.0 U
Benzo(g,h,i)perylene	191-24-2	--	µg/l	4.8 U [4.7 U]	5.0 U	2.0 U	0.10 U	**0.070 J [0.080 J]**	2.0 U	2.0 U	2.0 U
Benzo(k)fluoranthene	207-08-9	0.002	µg/l	4.8 U [4.7 U]	5.0 U	2.0 U	**0.010 J**	**0.030 J [0.040 J]**	2.0 U	2.0 U	2.0 U
Chrysene	218-01-9	0.002	µg/l	4.8 U [4.7 U]	5.0 U	2.0 U	0.10 U	**0.060 J [0.060 J]**	2.0 U	2.0 U	2.0 U
Dibenz(a,h)anthracene	53-70-3	--	µg/l	4.8 U [4.7 U]	5.0 U	2.0 U	0.10 U	**0.010 J [0.020 J]**	2.0 U	2.0 U	2.0 U
Fluoranthene	206-44-0	50	µg/l	4.8 U [4.7 U]	**0.42 J**	2.0 U	**0.040 J**	**0.080 J [0.10 J]**	2.0 U	2.0 U	2.0 U
Fluorene	86-73-7	50	µg/l	4.8 U [4.7 U]	5.0 U	2.0 U	**0.33**	0.10 U [0.10 U]	2.0 U	2.0 U	2.0 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	µg/l	4.8 U [4.7 U]	5.0 U	2.0 U	**0.010 J**	**0.070 J [0.080 J]**	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	--	--	µg/l	NA	NA	NA	NA	0.10 U [0.10 U]	NA	NA	NA
Naphthalene	91-20-3	10	µg/l	**6.4 [5.0]**	5.0 U	2.0 U	2.5 U	**0.090 J [0.10 U]**	2.0 U	2.0 U	2.0 U
Phenanthrene	85-01-8	50	µg/l	4.8 U [4.7 U]	5.0 U	2.0 U	**0.30**	**0.10 UB [0.10 UB]**	2.0 U	2.0 U	2.0 U
Pyrene	129-00-0	50	µg/l	4.8 U [4.7 U]	**0.40 J**	2.0 U	**0.020 J**	**0.080 J [0.10 J]**	2.0 U	2.0 U	2.0 U
Total PAHs	--	--	µg/l	**6.4 [5.2 J]**	**0.82 J**	ND	**0.93 J**	**0.81 J [0.84 J]**	ND	ND	ND
Wet Chemistry											
Cyanide	57-12-5	200	µg/l	10.0 U [10.0 U]	**65**	**52**	**75**	**21 J [48 J]**	**26**	**26**	**6.0**

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Table 2
Groundwater Sample Analytical Results Summary
2025 Periodic Review Report
Goshen Former MGP Site - Goshen, New York

		Location ID:		MW08-05S							
		Date Collected:		04/01/09	01/09/19	09/03/19	9/14/20[6]	9/13/21[6]	09/02/22	09/22/23	11/14/24
Analyte	CAS#	NYSDEC TOGs[3]	Units								
VOCs											
Benzene	71-43-2	1	µg/l	**4,900 D**	**690**	**310**	**130**	**13**	**36**	**9.2**	**14**
Ethylbenzene	100-41-4	5	µg/l	**360 J**	**57**	**33**	**12**	**2.1 J**	**5.7**	**2.8**	**2.9**
m&p-Xylenes	108-38-3, 106-42-3	5	µg/l	NA	**39**	**24**	**6.0**	2.5 U	**2.7**	2.5 U	**2.7**
o-Xylene	95-47-6	5	µg/l	NA	**29**	**22**	**8.2**	**4.6**	**10**	**1.4 J**	**7.9**
Toluene	108-88-3	5	µg/l	**950 D**	**19**	**10**	**3.8**	**1.7 J**	**3.4**	2.5 U	**3.0**
Xylenes (total)	--	5	µg/l	**800 J**	**68**	**46**	**14.2**	**2.1 J**	**12.7**	**1.4 J**	**10.6**
Total BTEX	--	--	µg/l	**7,000 J**	**830**	**400**	**160**	**21.4 J**	**57.8**	**13.4 J**	**30.5**
SVOCs											
Acenaphthene	83-32-9	20	µg/l	**21**	**15 J**	**7.8**	**7.2**	**6.5**	**7.2**	**7.6**	2.0 U
Acenaphthylene	208-96-8	--	µg/l	**38**	**12 J**	**6.5**	**5.1**	**3.6**	**3.5**	**3.0**	2.0 U
Anthracene	120-12-7	50	µg/l	**12**	**7.3 J**	**1.8 J**	**1.5**	**1.6**	**3.0**	**2.6**	2.0 U
Benz(a)anthracene	56-55-3	0.002	µg/l	**0.59 J**	25 U	**1.6 J**	**1.0**	**1.2**	2.0 U	**0.63 J**	2.0 U
Benzo(a)pyrene	50-32-8	ND	µg/l	5.0 U	25 U	**0.86 J**	**0.52**	**0.62**	2.0 U	2.0 U	2.0 U
Benzo(b)fluoranthene	205-99-2	0.002	µg/l	5.0 U	25 U	**1.1 J**	**0.54**	**0.83**	2.0 U	2.0 U	2.0 U
Benzo(g,h,i)perylene	191-24-2	--	µg/l	5.0 U	25 U	**0.33 J**	**0.20**	**0.24**	2.0 U	2.0 U	2.0 U
Benzo(k)fluoranthene	207-08-9	0.002	µg/l	5.0 U	25 U	**0.44 J**	**0.23**	**0.25**	2.0 U	2.0 U	2.0 U
Chrysene	218-01-9	0.002	µg/l	**0.40 J**	25 U	**1.2 J**	**0.66**	**0.83**	2.0 U	**0.46 J**	2.0 U
Dibenz(a,h)anthracene	53-70-3	--	µg/l	5.0 U	25 U	2.0 U	**0.060 J**	**0.080 J**	2.0 U	2.0 U	2.0 U
Fluoranthene	206-44-0	50	µg/l	**8.4**	**12 J**	**9.5**	**8.9**	**6.5**	**3.4**	**5.3**	2.0 U
Fluorene	86-73-7	50	µg/l	**60**	**38**	**19**	**19**	**11**	**14**	**17**	2.0 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	µg/l	5.0 U	25 U	**0.47 J**	**0.24**	**0.31**	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	--	--	µg/l	NA	NA	NA	NA	**0.060 J**	NA	NA	NA
Naphthalene	91-20-3	10	µg/l	**1,600 D**	**67**	**12**	**22 J**	**0.26**	**16**	**2.3**	2.0 U
Phenanthrene	85-01-8	50	µg/l	**65**	**31**	**14**	**13**	**2.0**	**14**	**20**	2.0 U
Pyrene	129-00-0	50	µg/l	**6.3**	**7.8 J**	**6.1**	**5.7**	**4.1**	**2.1**	**3.3**	2.0 U
Total PAHs	--	--	µg/l	**2,000 J**	**190 J**	**83 J**	**86 J**	**40 J**	**63**	**61**	ND
Wet Chemistry											
Cyanide	57-12-5	200	µg/l	**30.6**	**38**	**34**	**27**	**29 J**	**26**	**29**	**28**

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Table 2
Groundwater Sample Analytical Results Summary
2025 Periodic Review Report
Goshen Former MGP Site - Goshen, New York

		Location ID:		MW08-06D							
		Date Collected:		04/01/09	01/09/19	09/03/19	9/14/20[6]	9/13/21[6]	08/31/22	09/21/23	11/15/24
Analyte	CAS#	NYSDEC TOGs[3]	Units								
VOCs											
Benzene	71-43-2	1	µg/l	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U
Ethylbenzene	100-41-4	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U
m&p-Xylenes	108-38-3, 106-42-3	5	µg/l	NA	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U
o-Xylene	95-47-6	5	µg/l	NA	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U
Toluene	108-88-3	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U
Xylenes (total)	--	5	µg/l	2.0 U	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U
Total BTEX	--	--	µg/l	ND	ND	ND	ND	ND	ND	ND [ND]	ND
SVOCs											
Acenaphthene	83-32-9	20	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Acenaphthylene	208-96-8	--	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U [2.0 U]	2.0 U
Anthracene	120-12-7	50	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U [2.0 U]	2.0 U
Benz(a)anthracene	56-55-3	0.002	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.040 J**	2.0 U	2.0 U [2.0 U]	2.0 U
Benzo(a)pyrene	50-32-8	ND	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U [2.0 U]	2.0 U
Benzo(b)fluoranthene	205-99-2	0.002	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.030 J**	2.0 U	2.0 U [2.0 U]	2.0 U
Benzo(g,h,i)perylene	191-24-2	--	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U [2.0 U]	2.0 U
Benzo(k)fluoranthene	207-08-9	0.002	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.010 J**	2.0 U	2.0 U [2.0 U]	2.0 U
Chrysene	218-01-9	0.002	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U [2.0 U]	2.0 U
Dibenz(a,h)anthracene	53-70-3	--	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U [2.0 U]	2.0 U
Fluoranthene	206-44-0	50	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.040 J**	2.0 U	2.0 U [2.0 U]	2.0 U
Fluorene	86-73-7	50	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U [2.0 U]	2.0 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U [2.0 U]	2.0 U
2-Methylnaphthalene	--	--	µg/l	NA	NA	NA	NA	0.10 U	NA	NA	NA
Naphthalene	91-20-3	10	µg/l	**0.31 J**	5.0 U	2.0 U	2.5 U	**0.10 UB**	2.0 U	2.0 U [2.0 U]	2.0 U
Phenanthrene	85-01-8	50	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.050 J**	2.0 U	2.0 U [2.0 U]	2.0 U
Pyrene	129-00-0	50	µg/l	4.9 U	5.0 U	2.0 U	0.10 U	**0.050 J**	2.0 U	2.0 U [2.0 U]	2.0 U
Total PAHs	--	--	µg/l	**0.31 J**	ND	ND	ND	**0.440 J**	ND	ND [ND]	ND
Wet Chemistry											
Cyanide	57-12-5	200	µg/l	10.0 U	10.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U [5.0 U]	5.0 U

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Table 2
Groundwater Sample Analytical Results Summary
2025 Periodic Review Report
Goshen Former MGP Site - Goshen, New York

		Location ID:		MW08-06S							
		Date Collected:		04/01/09	01/09/19	09/03/19	9/14/20[6]	9/13/21[6]	08/31/22	09/21/23	11/15/24
Analyte	CAS#	NYSDEC TOGs[3]	Units								
VOCs											
Benzene	71-43-2	1	µg/l	**1.3**	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	100-41-4	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m&p-Xylenes	108-38-3, 106-42-3	5	µg/l	NA	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	95-47-6	5	µg/l	NA	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Toluene	108-88-3	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Xylenes (total)	--	5	µg/l	2.0 U	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total BTEX	--	--	µg/l	**1.3**	ND	ND	ND	ND	ND	ND	ND
SVOCs											
Acenaphthene	83-32-9	20	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Acenaphthylene	208-96-8	--	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Anthracene	120-12-7	50	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Benz(a)anthracene	56-55-3	0.002	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U	2.0 U
Benzo(a)pyrene	50-32-8	ND	µg/l	**0.19 J**	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Benzo(b)fluoranthene	205-99-2	0.002	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Benzo(g,h,i)perylene	191-24-2	--	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Benzo(k)fluoranthene	207-08-9	0.002	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Chrysene	218-01-9	0.002	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Dibenz(a,h)anthracene	53-70-3	--	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Fluoranthene	206-44-0	50	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U	2.0 U
Fluorene	86-73-7	50	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	--	--	µg/l	NA	NA	NA	NA	0.10 U	NA	NA	NA
Naphthalene	91-20-3	10	µg/l	**0.40 J**	5.0 U	2.0 U	2.5 U	0.10 U	2.0 U	2.0 U	2.0 U
Phenanthrene	85-01-8	50	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.030 J**	2.0 U	2.0 U	2.0 U
Pyrene	129-00-0	50	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U	0.30 J	2.0 U
Total PAHs	--	--	µg/l	**0.59 J**	ND	ND	ND	**0.090 J**	ND	ND	ND
Wet Chemistry											
Cyanide	57-12-5	200	µg/l	**130**	**64**	**56**	**9.0**	**17 J**	5.0 U	**18**	5.0 U

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Table 2
Groundwater Sample Analytical Results Summary
2025 Periodic Review Report
Goshen Former MGP Site - Goshen, New York

		Location ID:		MW08-07D							
		Date Collected:		03/31/09	01/09/19	09/04/19	9/15/20[6]	9/13/21[6]	09/01/22	09/20/23	11/15/24
Analyte	CAS#	NYSDEC TOGs[3]	Units								
VOCs											
Benzene	71-43-2	1	µg/l	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	100-41-4	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m&p-Xylenes	108-38-3, 106-42-3	5	µg/l	NA	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	95-47-6	5	µg/l	NA	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Toluene	108-88-3	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Xylenes (total)	--	5	µg/l	2.0 U	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total BTEX	--	--	µg/l	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs											
Acenaphthene	83-32-9	20	µg/l	4.7 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Acenaphthylene	208-96-8	--	µg/l	4.7 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Anthracene	120-12-7	50	µg/l	4.7 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 UJ	2.0 U
Benz(a)anthracene	56-55-3	0.002	µg/l	4.7 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Benzo(a)pyrene	50-32-8	ND	µg/l	4.7 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Benzo(b)fluoranthene	205-99-2	0.002	µg/l	4.7 U	5.0 U	2.0 U	**0.010 J**	0.10 U	2.0 U	2.0 UJ	2.0 U
Benzo(g,h,i)perylene	191-24-2	--	µg/l	4.7 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 UJ	2.0 U
Benzo(k)fluoranthene	207-08-9	0.002	µg/l	4.7 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Chrysene	218-01-9	0.002	µg/l	4.7 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Dibenz(a,h)anthracene	53-70-3	--	µg/l	4.7 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Fluoranthene	206-44-0	50	µg/l	4.7 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Fluorene	86-73-7	50	µg/l	4.7 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	µg/l	4.7 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 UJ	2.0 U
2-Methylnaphthalene	--	--	µg/l	NA	NA	NA	NA	0.10 U	NA	NA	NA
Naphthalene	91-20-3	10	µg/l	4.7 U	5.0 U	2.0 U	2.5 U	0.10 U	2.0 U	2.0 U	2.0 U
Phenanthrene	85-01-8	50	µg/l	4.7 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Pyrene	129-00-0	50	µg/l	4.7 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	0.30 J	2.0 U
Total PAHs	--	--	µg/l	ND	ND	ND	**0.010 J**	ND	ND	ND	ND
Wet Chemistry											
Cyanide	57-12-5	200	µg/l	10.0 U	**5.9 J**	5.0 U	5.0 U	5.0 UJ	**1.0 J**	5.0 U	5.0 U

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Table 2
Groundwater Sample Analytical Results Summary
2025 Periodic Review Report
Goshen Former MGP Site - Goshen, New York

		Location ID:		MW08-07S							
		Date Collected:		03/31/09	01/09/19	09/05/19	9/15/20[6]	9/13/21[6]	09/02/22	09/21/23	11/15/24
Analyte	**CAS#**	**NYSDEC TOGs[3]**	**Units**								
VOCs											
Benzene	71-43-2	1	µg/l	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	100-41-4	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m&p-Xylenes	108-38-3, 106-42-3	5	µg/l	NA	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	95-47-6	5	µg/l	NA	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Toluene	108-88-3	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Xylenes (total)	--	5	µg/l	2.0 U	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total BTEX	--	--	µg/l	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs											
Acenaphthene	83-32-9	20	µg/l	4.8 U	25 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Acenaphthylene	208-96-8	--	µg/l	4.8 U	25 U	2.0 U	**0.020 J**	**0.030 J**	2.0 U	2.0 U	2.0 U
Anthracene	120-12-7	50	µg/l	4.8 U	25 U	2.0 U	0.10 U	**0.040 J**	2.0 U	2.0 U	2.0 U
Benz(a)anthracene	56-55-3	0.002	µg/l	4.8 U	25 U	2.0 U	**0.080 J**	**0.090 J**	2.0 U	2.0 U	2.0 U
Benzo(a)pyrene	50-32-8	ND	µg/l	4.8 U	25 U	2.0 U	**0.090 J**	**0.080 J**	2.0 U	2.0 U	2.0 U
Benzo(b)fluoranthene	205-99-2	0.002	µg/l	4.8 U	25 U	2.0 U	**0.12**	**0.11**	2.0 U	2.0 U	2.0 U
Benzo(g,h,i)perylene	191-24-2	--	µg/l	4.8 U	25 U	2.0 U	**0.070 J**	**0.050 J**	2.0 U	2.0 U	2.0 U
Benzo(k)fluoranthene	207-08-9	0.002	µg/l	4.8 U	25 U	2.0 U	**0.050 J**	**0.040 J**	2.0 U	2.0 U	2.0 U
Chrysene	218-01-9	0.002	µg/l	4.8 U	25 U	2.0 U	**0.060 J**	**0.060 J**	2.0 U	2.0 U	2.0 U
Dibenz(a,h)anthracene	53-70-3	--	µg/l	4.8 U	25 U	2.0 U	**0.020 J**	0.10 U	2.0 U	2.0 U	2.0 U
Fluoranthene	206-44-0	50	µg/l	4.8 U	25 U	2.0 U	**0.090 J**	**0.13**	2.0 U	2.0 U	2.0 U
Fluorene	86-73-7	50	µg/l	4.8 U	25 U	2.0 U	0.10 U	**0.020 J**	2.0 U	2.0 U	2.0 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	µg/l	4.8 U	25 U	2.0 U	**0.070 J**	**0.060 J**	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	--	--	µg/l	NA	NA	NA	NA	0.10 U	NA	NA	NA
Naphthalene	91-20-3	10	µg/l	4.8 U	25 U	2.0 U	2.5 U	0.10 U	2.0 U	2.0 U	2.0 U
Phenanthrene	85-01-8	50	µg/l	4.8 U	25 U	2.0 U	**0.030 J**	**0.070 J**	2.0 U	2.0 U	2.0 U
Pyrene	129-00-0	50	µg/l	4.8 U	25 U	2.0 U	**0.090 J**	**0.12**	2.0 U	2.0 U	2.0 U
Total PAHs	--	--	µg/l	ND	ND	ND	**0.80 J**	**0.90 J**	ND	ND	ND
Wet Chemistry											
Cyanide	57-12-5	200	µg/l	10.0 U	**12**	**5.0**	**6.0**	**7.0 J**	**4.0 J**	**10**	5.0 U

See Notes on Page 15.

Table 2
Groundwater Sample Analytical Results Summary
2025 Periodic Review Report
Goshen Former MGP Site - Goshen, New York

		Location ID:		MW08-08D[5]	MW18-08D						
		Date Collected:		03/31/09	01/07/19	09/04/19	9/15/20[6]	9/13/21[6]	08/31/22	09/20/23	11/15/24
Analyte	CAS#	NYSDEC TOGs[3]	Units								
VOCs											
Benzene	71-43-2	1	µg/l	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U [0.5 U]	0.50 U	0.50 U
Ethylbenzene	100-41-4	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U
m&p-Xylenes	108-38-3, 106-42-3	5	µg/l	NA	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U
o-Xylene	95-47-6	5	µg/l	NA	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U
Toluene	108-88-3	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U
Xylenes (total)	--	5	µg/l	2.0 U	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U [2.5 U]	2.5 U	2.5 U
Total BTEX	--	--	µg/l	ND	ND	ND	ND	ND	ND [ND]	ND	ND
SVOCs											
Acenaphthene	83-32-9	20	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U [2 U]	2.0 U	2.0 U
Acenaphthylene	208-96-8	--	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.060 J**	2.0 U [2 U]	2.0 U	2.0 U
Anthracene	120-12-7	50	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U [2 U]	2.0 U	2.0 U
Benz(a)anthracene	56-55-3	0.002	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U [2 U]	2.0 U	2.0 U
Benzo(a)pyrene	50-32-8	ND	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U [2 U]	2.0 U	2.0 U
Benzo(b)fluoranthene	205-99-2	0.002	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U [2 U]	2.0 U	2.0 U
Benzo(g,h,i)perylene	191-24-2	--	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U [2 U]	2.0 U	2.0 U
Benzo(k)fluoranthene	207-08-9	0.002	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U [2 U]	2.0 U	2.0 U
Chrysene	218-01-9	0.002	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U [2 U]	2.0 U	2.0 U
Dibenz(a,h)anthracene	53-70-3	--	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U [2 U]	2.0 U	2.0 U
Fluoranthene	206-44-0	50	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.020 J**	2.0 U [2 U]	2.0 U	2.0 U
Fluorene	86-73-7	50	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.10 UB**	2.0 U [2 U]	2.0 U	2.0 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U [2 U]	2.0 U	2.0 U
2-Methylnaphthalene	--	--	µg/l	NA	NA	NA	NA	**0.050 J**	NA [NA]	NA	NA
Naphthalene	91-20-3	10	µg/l	4.8 U	5.0 U	2.0 U	2.5 U	**0.29**	2.0 U [2 U]	2.0 U	2.0 U
Phenanthrene	85-01-8	50	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.10 UB**	2.0 U [2 U]	2.0 U	2.0 U
Pyrene	129-00-0	50	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U [2 U]	2.0 U	2.0 U
Total PAHs	--	--	µg/l	ND	ND	ND	ND	**0.54 J**	ND [ND]	ND	ND
Wet Chemistry											
Cyanide	57-12-5	200	µg/l	10.0 U	10.0 U	5.0 U	**3.0 J**	5.0 UJ	5.0 U [5.0 U]	**2.0**	5.0 U

See Notes on Page 15.

Table 2
Groundwater Sample Analytical Results Summary
2025 Periodic Review Report
Goshen Former MGP Site - Goshen, New York

		Location ID:		MW08-08S							
		Date Collected:		04/01/09	01/08/19	09/04/19	9/15/20[6]	9/13/21[6]	08/31/22	09/21/23	11/15/24
Analyte	**CAS#**	**NYSDEC TOGs[3]**	**Units**								
VOCs											
Benzene	71-43-2	1	µg/l	**16**	**32**	0.50 U	**0.42 J**	**0.53**	0.50 U	0.50 U	0.50 U
Ethylbenzene	100-41-4	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m&p-Xylenes	108-38-3, 106-42-3	5	µg/l	NA	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	95-47-6	5	µg/l	NA	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Toluene	108-88-3	5	µg/l	1.0 U	1.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Xylenes (total)	--	5	µg/l	2.0 U	2.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total BTEX	--	--	µg/l	**16**	**32**	ND	**0.42 J**	**0.53**	ND	ND	ND
SVOCs											
Acenaphthene	83-32-9	20	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	0.10 U	2.0 U	2.0 U	2.0 U
Acenaphthylene	208-96-8	--	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.090 J**	2.0 U	2.0 U	2.0 U
Anthracene	120-12-7	50	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.080 J**	2.0 U	2.0 U	2.0 U
Benz(a)anthracene	56-55-3	0.002	µg/l	4.8 U	5.0 U	2.0 U	**0.020 J**	**0.38**	2.0 U	2.0 U	2.0 U
Benzo(a)pyrene	50-32-8	ND	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.34**	2.0 U	2.0 U	2.0 U
Benzo(b)fluoranthene	205-99-2	0.002	µg/l	4.8 U	5.0 U	2.0 U	**0.020 J**	**0.45**	2.0 U	2.0 U	2.0 U
Benzo(g,h,i)perylene	191-24-2	--	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.24**	2.0 U	2.0 U	2.0 U
Benzo(k)fluoranthene	207-08-9	0.002	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.18**	2.0 U	2.0 U	2.0 U
Chrysene	218-01-9	0.002	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.30**	2.0 U	2.0 U	2.0 U
Dibenz(a,h)anthracene	53-70-3	--	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.050 J**	2.0 U	2.0 U	2.0 U
Fluoranthene	206-44-0	50	µg/l	4.8 U	**0.40 J**	2.0 U	**0.030 J**	**0.61**	2.0 U	2.0 U	2.0 U
Fluorene	86-73-7	50	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.10 UB**	2.0 U	2.0 U	2.0 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.27**	2.0 U	2.0 U	2.0 U
2-Methylnaphthalene	--	--	µg/l	NA	NA	NA	NA	**0.030 J**	NA	NA	NA
Naphthalene	91-20-3	10	µg/l	4.8 U	5.0 U	2.0 U	2.5 U	**0.10 J**	2.0 U	2.0 U	2.0 U
Phenanthrene	85-01-8	50	µg/l	4.8 U	5.0 U	2.0 U	0.10 U	**0.20**	2.0 U	2.0 U	2.0 U
Pyrene	129-00-0	50	µg/l	4.8 U	**0.35 J**	2.0 U	**0.030 J**	**0.56**	2.0 U	2.0 U	2.0 U
Total PAHs	--	--	µg/l	ND	**0.75 J**	ND	**0.10 J**	**3.92 J**	ND	ND	ND
Wet Chemistry											
Cyanide	57-12-5	200	µg/l	10.0 U	**7.6 J**	5.0 UB	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U

See Notes on Page 15.

Acronyms and Abbreviations:

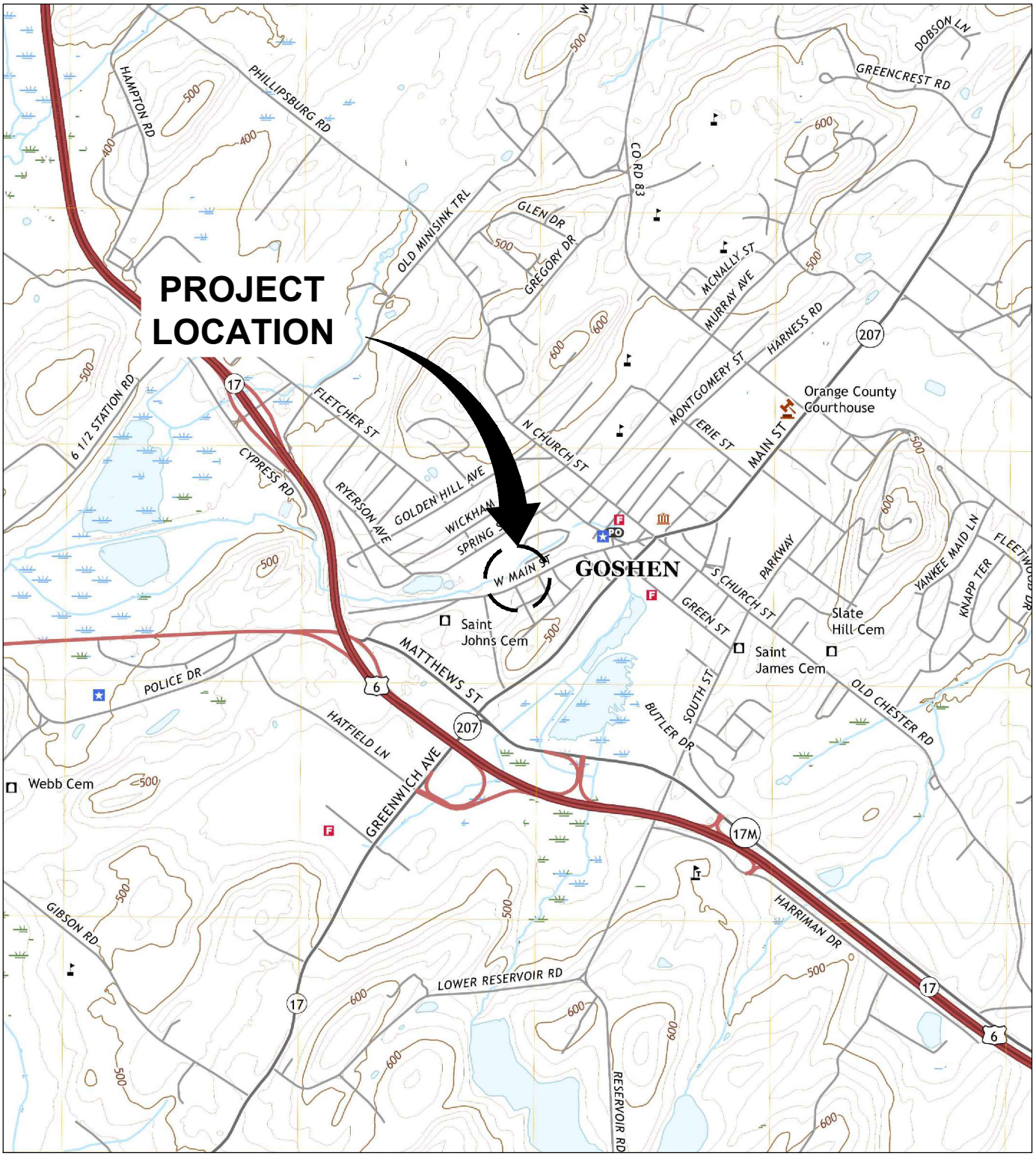
B - Indicates an estimated value between the instrument detection limit and the Reporting Limit (RL).
D - Compound quantitated using secondary dilution.
J - Result is less than the RL but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value.
NA - not analyzed
ND - not detected at the reporting limit, MDL, or estimated detection limit (if shown).
NYSDEC - New York State Department of Environmental Conservation
U - Indicates that the compound was analyzed for but not detected. The associated value is the Reporting Limit.
ug/L - micrograms per liter
-- Indicates that no water quality standard or guidance value is available for this compound.
[ ] - Results shown in brackets represent field duplicates.

Notes:

1. Samples collected by Arcadis of New York, Inc. on the dates indicated.
2. Laboratory analysis was performed by TestAmerica of Amherst, NY (January 2019); Alpha Analytical of Mansfield, MA (September 2019 through September 2023), and Pace Analytical Services of Westborough, MA (November 2024).
3. NYSDEC groundwater standards/guidance values are from the NYSDEC Division of Water, Technical and Operational Guidance Series (TOGS) document titled "Ambi Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (TOGS 1.1.1) dated June 1998, revised April 2000 and June 2004.
4. Bold values exceed the MDL. Shaded results exceed the applicable screening values.
5. Remedial Investigation analytical results from monitoring wells prior to the installation of replacement wells in December 2018.
6. Laboratory erroneously analyzed groundwater samples for polycyclic aromatic hydrocarbons using USEPS SW-846 Modified Method 8270D with Selected Ion Monitori (SIM) which has a notably lower MDL and reporting limit (RP) compared to the standard Method 8270D.

Figures

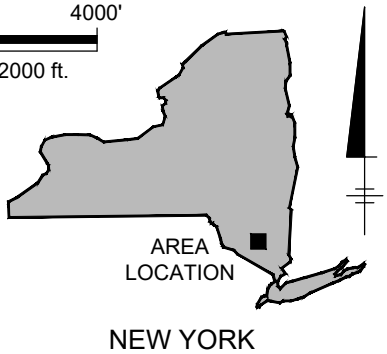
Type



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., GOSHEN, NY, 2019.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



NYSEG
GOSHEN FORMER MGP SITE
GOSHEN, NEW YORK
2025 PERIODIC REVIEW REPORT

SITE LOCATION MAP

ARCADIS

FIGURE 1

IMAGES:
Arcadis Logo.png
NY_Goshen_20190916_TM_geo.tif

C:\Users\KSARTORI\DCACCDocs\Arcadis ACC USAUS-99999999-NYSEG_FMR MGP SITE_GOSHEN_NY\Project Files\10_WIP\10T_ARC_ENV\2025101-DWG\PRR-2024-F01-USGS SLM.dwg LAYOUT: 1 SAVED: 1/14/2025 11:34 AM ACADVER: 24.2S (LMS TECH) PAGESETUP: C-PA-PDF
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/14/2025 11:36 AM BY: SARTORI, KATHERINE

RIO GRANDE
FLOW
LIME KILN
MW08-06S
MW08-06D
COAL STORAGE
ASPHALT PAVEMENT
MW93-2D
MW93-2S
RETORTS
SHED
MW08-05S
MW08-05D
GAS HOLDER #1
GAS HOLDER #2
PURIFIER HOUSE
NMW16-05
NMW16-04
NMW16-03
NMW08-02
NMW16-02
NMW16-01
COAL
BOILERS
BOILER
ENGINE ROOM
RETAINING WALL
FORMER ELECTRIC LIGHT STATION
GOSHEN LIGHT & POWER CO.
RETAINING WALL
GATE
OFFICE
METER HOUSE
MW93-1S
MW93-1D
ENTRANCE
BOILER TANKS
SERVICE CENTER BUILDING—ONE STORY BRICK BUILDING (FORMER GAS HOUSE)
MW08-07D
MW08-07S
OIL TANKS
GENERATOR
SUPERHEATER
TAR DRIP
MW18-04D
MW18-04S
NYSEG PROPERTY
MW18-08D
MW08-08S
BARRIER
STEEL GAS HOLDER #3 50,000 CU. FT. CAPACITY
GATE
CONCRETE
UTILITY SHED
WEST MAIN STREET

LEGEND:

- PROPERTY LINE
- FENCE LINE
- FORMER STRUCTURE (1889-1945)
- GAS LINE
- WATER LINE
- SEWER LINE
- ELECTRIC LINE
- STORM SEWER LINE
- LIMITS OF ISS TREATMENT AREA
- LIMITS OF ASPHALT COVER
- MW08-04D — DEEP MONITORING WELL
- MW18-04S — SHALLOW MONITORING WELL
- NMW08-01 — NAPL MONITORING WELL

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE. UTILITY SHED LOCATIONS ARE ESTIMATED.
2. LOCATIONS OF FORMER STRUCTURES ARE BASED ON SANBORN FIRE INSURANCE MAPS FROM 1889 THROUGH 1939.

0 30' 60'
GRAPHIC SCALE

NYSEG
GOSHEN FORMER MGP SITE
GOSHEN, NEW YORK
2025 PERIODIC REVIEW REPORT

MONITORING WELL PLAN

ARCADIS

FIGURE
2

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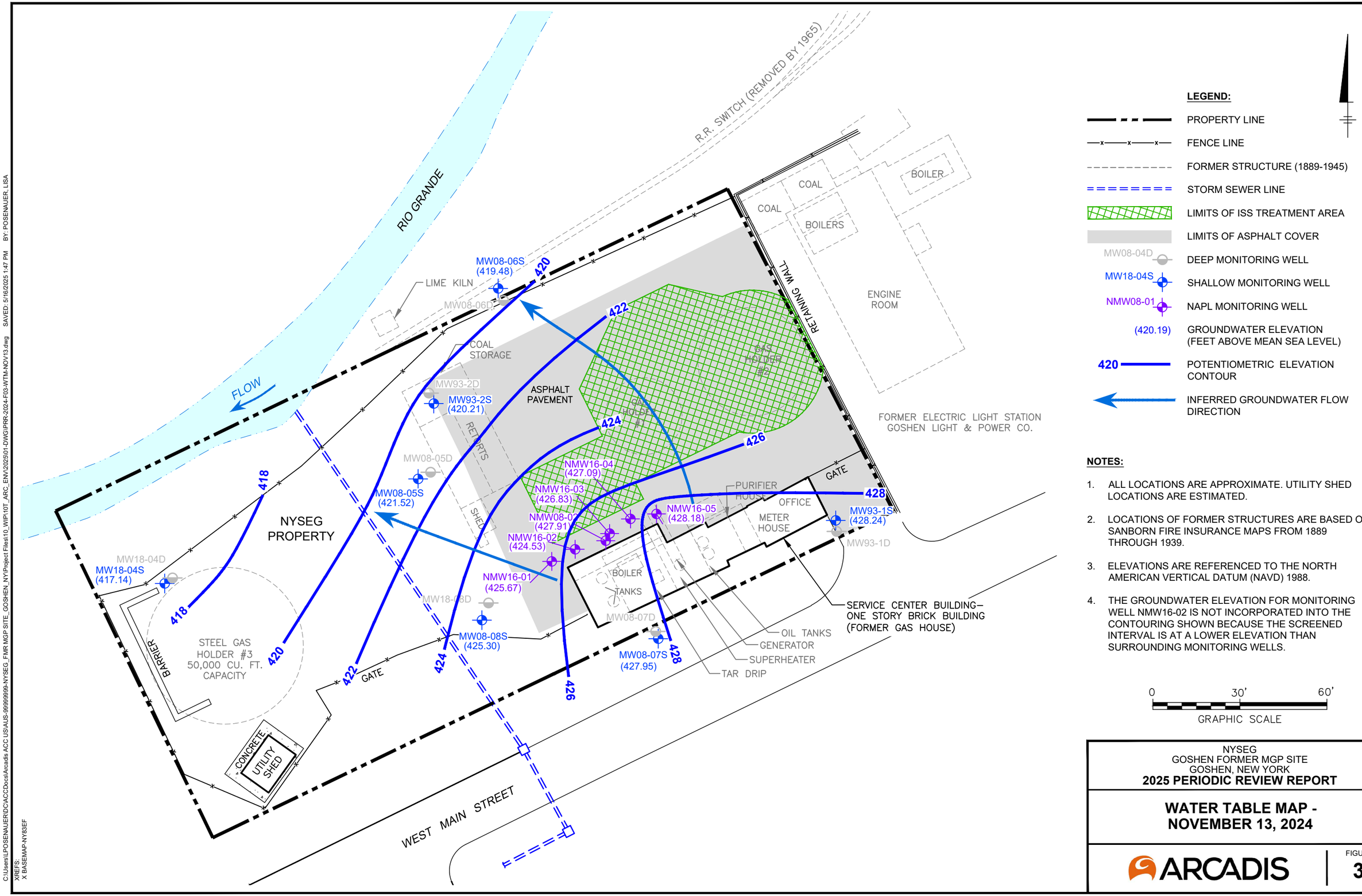
X BASEMAP-NY83EF



LEGEND:

- PROPERTY LINE
- FENCE LINE
- FORMER STRUCTURE (1889-1945)
- STORM SEWER LINE
- LIMITS OF ISS TREATMENT AREA
- LIMITS OF ASPHALT COVER
- MW08-04D — DEEP MONITORING WELL
- MW18-04S — SHALLOW MONITORING WELL
- NMW08-01 — NAPL MONITORING WELL
- (420.19) — GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- 420 — POTENTIOMETRIC ELEVATION CONTOUR
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE. UTILITY SHED LOCATIONS ARE ESTIMATED.
2. LOCATIONS OF FORMER STRUCTURES ARE BASED ON SANBORN FIRE INSURANCE MAPS FROM 1889 THROUGH 1939.
3. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) 1988.
4. THE GROUNDWATER ELEVATION FOR MONITORING WELL NMW16-02 IS NOT INCORPORATED INTO THE CONTOURING SHOWN BECAUSE THE SCREENED INTERVAL IS AT A LOWER ELEVATION THAN SURROUNDING MONITORING WELLS.

0 30' 60'

GRAPHIC SCALE

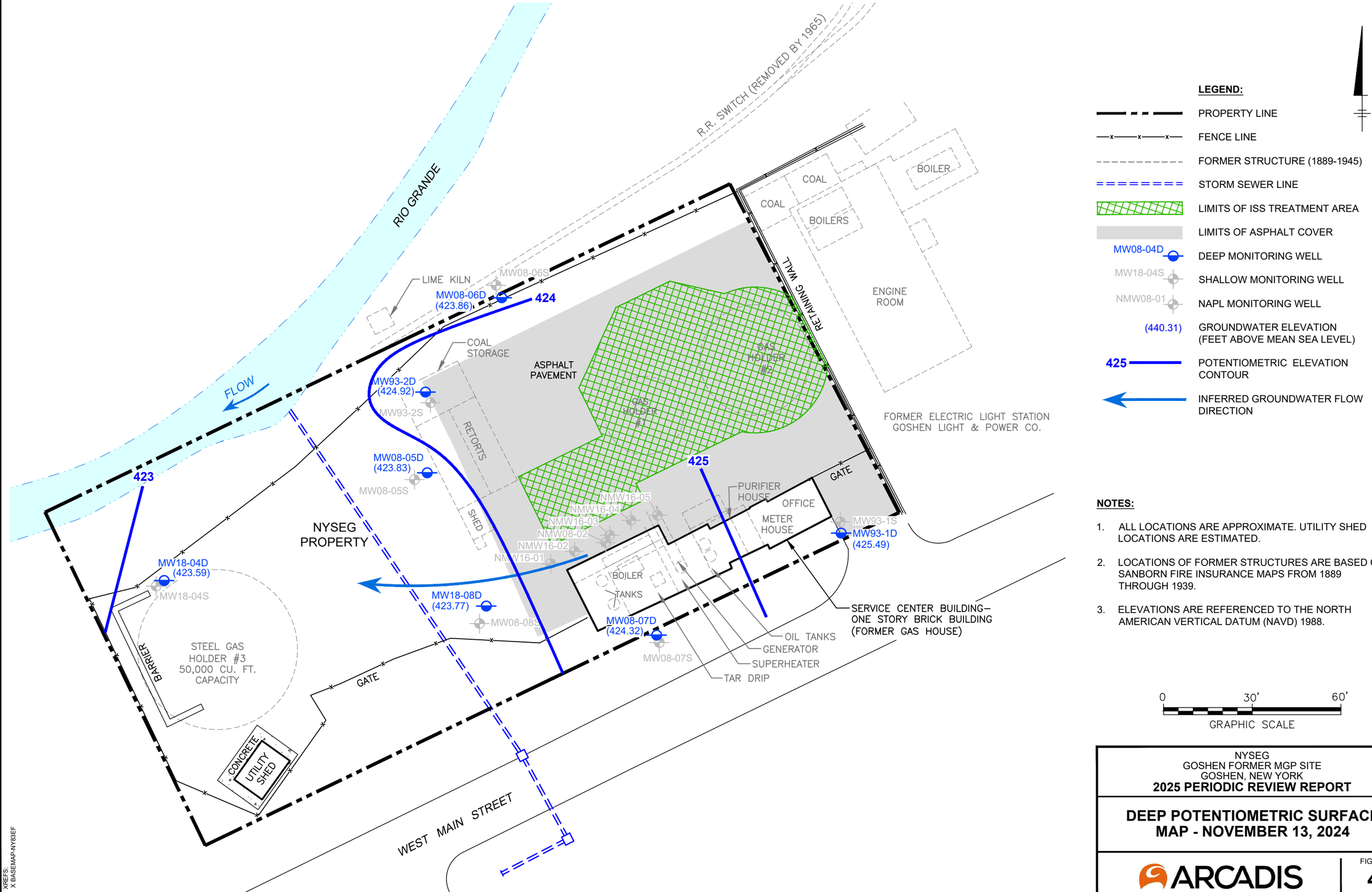
NYSEG
GOSHEN FORMER MGP SITE
GOSHEN, NEW YORK
2025 PERIODIC REVIEW REPORT

WATER TABLE MAP - NOVEMBER 13, 2024

ARCADIS

FIGURE 3

C:\Users\LPOSENAUER\DCVACCDocs\Arcadis ACC US\AUS-99999999-NYSEG_FMR MGP SITE_GOSHEN_NY\Project Files\10_WIP\10T_ARC_ENV\2025\01-DWG\PRR-2024-F03-WTM-NOV13.dwg SAVED: 5/16/2025 1:47 PM BY: POSENAUER, LISA
XREFS:
X BASEMAP-NY83EF



LEGEND:

- PROPERTY LINE
- FENCE LINE
- FORMER STRUCTURE (1889-1945)
- STORM SEWER LINE
- LIMITS OF ISS TREATMENT AREA
- LIMITS OF ASPHALT COVER
- MW08-04D — DEEP MONITORING WELL
- MW18-04S — SHALLOW MONITORING WELL
- NMW08-01 — NAPL MONITORING WELL
- (440.31) — GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- 425 — POTENTIOMETRIC ELEVATION CONTOUR
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE. UTILITY SHED LOCATIONS ARE ESTIMATED.
2. LOCATIONS OF FORMER STRUCTURES ARE BASED ON SANBORN FIRE INSURANCE MAPS FROM 1889 THROUGH 1939.
3. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) 1988.

0 30' 60'
GRAPHIC SCALE

NYSEG
GOSHEN FORMER MGP SITE
GOSHEN, NEW YORK
2025 PERIODIC REVIEW REPORT

DEEP POTENTIOMETRIC SURFACE MAP - NOVEMBER 13, 2024

ARCADIS

FIGURE 4

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XREFS:
X BASEMAP-NY83EF

Attachment 1

PRR Certification Form

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

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

Site Details **Box 1**

Site No. 336046

Site Name NYSEG - Goshen MGP

Site Address: 250 West Main St Zip Code: 10924-
City/Town: Goshen
County: Orange
Site Acreage: 0.740

Reporting Period: November 07, 2022 to November 07, ~~2023~~ 2025 (TGG NYSDEC)

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 336046 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
11100000100162000	NYSEG Corporation	Ground Water Use Restriction Landuse Restriction Site Management Plan Monitoring Plan IC/EC Plan

A site management plan is in place that restricts the site to commercial use, restricts the use of groundwater, and details the monitoring of NAPL, sampling of groundwater , and the inspection of the cover system at the site.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
11100000100162000	Cover System Monitoring Wells

An environmental easement is in place that restricts the site to commercial use, restricts the use of groundwater, and maintains adherence to the approved site management plan.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☒	☐

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

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

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

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

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

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

YES	NO
☒	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. 336046

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Levia Terrell (print name) at NYSEG 18 Link Drive Binghamton, New York 13904 (print business address),

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

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

11/18/2025
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

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

I Matthew Hysell (print name) at Arcadis of New York, Inc.
110 West Fayette St., Suite 300
Syracuse, NY 13202 (print business address),

am certifying as a Qualified Environmental Professional for the Owner (Owner or Remedial Party)

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		11-20-25

Attachment 2

Groundwater Sampling Logs

Groundwater Sampling Form

Project Number	30226727	**Well ID**	MW08-05D			**Date**	11/14/2024
Project Name/Location	NYSEG Goshen 2024 Monitoring and Reporting		**Weather(°F)**	37.9 degrees F and Clear. The wind is blowing NE at 4.7 mph.			
Measuring Pt. Description	Top of Inner Casing	**MP Elevation**		**Casing Diameter (in)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	5.77	**Total Depth (ft-bmp)**	34.62	**Water Column (ft)**	28.85	**Gallons in Well**	4.69
Purge Start	12:35	**Pump Intake (ft-bmp)**	29.62	**Purge Method**	Low-Flow	**Purge Equipment**	Peristaltic
Purge End	13:14	**Volumes Purged**	0.34	**Sample ID**	MW08-05D	**Sampled by**	Kirk Vargas
Sample Time	13:10	**Gallons Purged**	1.59	**Replicate/ Code No.**	NA	**Sample Type**	Grab

Time	Minutes Elapsed	Total Elapsed Minutes	Rate mL/min	Depth to Water (ft)	Gallon Purged	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature °C	Redox (mV)	Appearance	
												Color	Odor
12:35	0	0	200	5.77	0.00	6.92	2.16	67.5	6.46	13.82	18	Clear	None
12:40	5	5	200	6.70	0.26	6.93	2.16	66.2	0.01	14.12	29	Clear	None
12:45	5	10	200	6.70	0.53	6.93	2.16	38.1	0.01	14.52	48	Clear	None
12:50	5	15	200	6.70	0.79	6.93	2.17	30.9	0.01	14.47	52	Clear	None
12:55	5	20	200	6.80	1.06	6.93	2.17	25.1	0.01	14.39	54	Clear	None
13:00	5	25	200	6.81	1.32	6.93	2.17	24.6	0.01	14.36	57	Clear	None
13:05	5	30	200	6.81	1.59	6.93	2.17	22.9	0.01	14.32	53	Clear	None

Constituent Sampled	Container	Number	Preservative
BTEX SW-846 8260	40 mL Glass	3	HCL
Cyanide	250 mL Plastic	1	NaOh
PAHs SW-846 8100	1L Amber	2	None

Comments:

Well Casing Volume Conversion

Well diameter (inches) = gallons per foot — 1 = 0.04; 1.5 = 0.09; 2.5 = 0.26; 3.5 = 0.50; 6 = 1.47
1.25 = 0.06; 2 = 0.16; 3 = 0.37; 4 = 0.65

Well Information

Well Location:	Southwest of asphalt pavement	Well Locked at Arrival:	no
Condition of Well:	Missing lock	Well Locked at Departure:	no
Well Completion:	Flush mount	Key Number To Well:	NA

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Groundwater Sampling Form

Project Number	30226727	**Well ID**	MW08-05S			**Date**	11/14/2024
Project Name/Location	NYSEG Goshen 2024 Monitoring and Reporting		**Weather(°F)**	37.9 degrees F and Clear. The wind is blowing NE at 4.7 mph.			
Measuring Pt. Description	Top of Inner Casing	**MP Elevation**		**Casing Diameter (in)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	7.85	**Total Depth (ft-bmp)**	18.15	**Water Column (ft)**	10.30	**Gallons in Well**	1.67
Purge Start	11:25	**Pump Intake (ft-bmp)**	15.15	**Purge Method**	Low-Flow	**Purge Equipment**	Peristaltic
Purge End	12:14	**Volumes Purged**	1.27	**Sample ID**	MW08-05S	**Sampled by**	Kirk Vargas
Sample Time	12:10	**Gallons Purged**	2.12	**Replicate/ Code No.**	NA	**Sample Type**	Grab

Time	Minutes Elapsed	Total Elapsed Minutes	Rate mL/min	Depth to Water (ft)	Gallon Purged	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature °C	Redox (mV)	Appearance	
												Color	Odor
11:25	0	0	200	8.19	0.00	7.11	2.05	21.9	0.72	11.95	-27	Cloudy	None
11:30	5	5	200	8.78	0.26	6.97	2.06	18.5	0.01	12.9	-63	Cloudy	None
11:35	5	10	200	8.78	0.53	6.89	2.11	43.3	0.01	13.98	-92	Cloudy	None
11:40	5	15	200	8.78	0.79	6.86	2.12	109	0.01	14.69	-111	Cloudy	None
11:45	5	20	200	8.78	1.06	6.86	2.14	74.8	0.01	14.56	-110	Cloudy	None
11:50	5	25	200	8.80	1.32	6.97	2.2	111	0.01	13.69	-72	Cloudy	None
11:55	5	30	200	8.80	1.59	7.09	2.17	113	0.01	13.76	-66	Cloudy	None
12:00	5	35	200	8.80	1.85	7.19	2.15	114	0.01	13.84	-69	Cloudy	None
12:05	5	40	200	8.80	2.11	7.18	2.18	114	0.01	13.85	-60	Cloudy	None

Constituent Sampled	Container	Number	Preservative
BTEX SW-846 8260	40 mL Glass	3	HCL
Cyanide	250 mL Plastic	1	NaOh
PAHs SW-846 8100	1L Amber	2	None

Comments:

Well Casing Volume Conversion

Well diameter (inches) = gallons per foot — 1 = 0.04; 1.5 = 0.09; 2.5 = 0.26; 3.5 = 0.50; 6 = 1.47
1.25 = 0.06; 2 = 0.16; 3 = 0.37; 4 = 0.65

Well Information

Well Location: Southwest of asphalt pavement
Condition of Well: Missing bolts
Well Completion: Flush mount
Well Locked at Arrival: yes
Well Locked at Departure: yes
Key Number To Well: NA

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Groundwater Sampling Form

Project Number	30226727	**Well ID**	MW08-06D			**Date**	11/15/2024
Project Name/Location	NYSEG Goshen 2024 Monitoring and Reporting		**Weather(°F)**	32.0 degrees F and Clear. The wind is blowing undefined at 0.0 mph.			
Measuring Pt. Description	Top of Inner Casing	**MP Elevation**		**Casing Diameter (in)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	4.41	**Total Depth (ft-bmp)**	39.46	**Water Column (ft)**	35.05	**Gallons in Well**	5.70
Purge Start	10:10	**Pump Intake (ft-bmp)**	37	**Purge Method**	Low-Flow	**Purge Equipment**	Submersible
Purge End	10:45	**Volumes Purged**	0.91	**Sample ID**	MW08-06D	**Sampled by**	Alec Fedele
Sample Time	10:45	**Gallons Purged**	5.21	**Replicate/ Code No.**	NA	**Sample Type**	Grab

Time	Minutes Elapsed	Total Elapsed Minutes	Rate mL/min	Depth to Water (ft)	Gallon Purged	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature °C	Redox (mV)	Appearance	
												Color	Odor
10:10	0	0	200	4.41	0.00	7.68	1.37	12.2	0.12	13.63	15	Clear	None
10:15	5	5	200	5.11	0.26	7.68	1.37	11.9	0.01	13.69	13	Clear	None
10:20	5	10	200	5.15	0.53	7.68	1.34	8.9	0.01	13.8	9	Clear	None
10:25	5	15	200	5.19	0.79	7.67	1.38	3.3	0.01	13.83	6	Clear	None
10:30	5	20	200	5.21	1.06	7.68	1.43	2.9	0.01	13.85	2	Clear	None
10:35	5	25	200	5.21	1.32	7.68	1.44	2.7	0.01	13.84	1	Clear	None
10:40	5	30	200	5.21	1.59	7.68	1.45	2.6	0.01	13.83	0	Clear	None

Constituent Sampled	Container	Number	Preservative
BTEX SW-846 8260	40 mL Glass	3	HCL
Cyanide	250 mL Plastic	1	NaOh
PAHs SW-846 8100	1L Amber	2	None

Comments:

Well Casing Volume Conversion

Well diameter (inches) = gallons per foot 1 = 0.04; 1.5 = 0.09; 2.5 = 0.26; 3.5 = 0.50; 6 = 1.47
1.25 = 0.06; 2 = 0.16; 3 = 0.37; 4 = 0.65

Well Information

Well Location:	Northwest site boundary	Well Locked at Arrival:	yes
Condition of Well:	Missing bolts	Well Locked at Departure:	yes
Well Completion:	Flush mount	Key Number To Well:	NA

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Groundwater Sampling Form

Project Number	30226727	**Well ID**	MW08-06S			**Date**	11/15/2024
Project Name/Location	NYSEG Goshen 2024 Monitoring and Reporting		**Weather(°F)**	32.0 degrees F and Clear. The wind is blowing undefined at 0.0 mph.			
Measuring Pt. Description	Top of Inner Casing	**MP Elevation**		**Casing Diameter (in)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	8.95	**Total Depth (ft-bmp)**	19.63	**Water Column (ft)**	10.68	**Gallons in Well**	1.74
Purge Start	09:20	**Pump Intake (ft-bmp)**	17	**Purge Method**	Low-Flow	**Purge Equipment**	Submersible
Purge End	09:55	**Volumes Purged**	0.91	**Sample ID**	MW08-06S	**Sampled by**	Alec Fedele
Sample Time	09:55	**Gallons Purged**	1.58	**Replicate/ Code No.**	NA	**Sample Type**	Grab

Time	Minutes Elapsed	Total Elapsed Minutes	Rate mL/min	Depth to Water (ft)	Gallon Purged	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature °C	Redox (mV)	Appearance	
												Color	Odor
09:20	0	0	200	8.95	0.00	7.17	1.68	134	0.01	12.73	87	Clear	None
09:25	5	5	200	9.43	0.26	7.34	1.67	115	0.01	13.13	70	Clear	None
09:30	5	10	200	9.80	0.53	7.54	1.66	73	0.01	14.16	33	Clear	None
09:35	5	15	200	9.80	0.79	7.56	1.64	55	0.01	14.32	21	Clear	None
09:40	5	20	200	9.80	1.06	7.57	1.59	46	0.01	14.48	12	Clear	None
09:45	5	25	200	9.80	1.32	7.57	1.58	49	0.01	14.61	5	Clear	None
09:50	5	30	200	9.80	1.59	7.57	1.57	47.5	0.01	14.61	3	Clear	None

Constituent Sampled	Container	Number	Preservative
BTEX SW-846 8260	40 mL Glass	3	HCL
Cyanide	250 mL Plastic	1	NaOh
PAHs SW-846 8100	1L Amber	2	None

Comments:

Well Casing Volume Conversion

Well diameter (inches) = gallons per foot 1 = 0.04; 1.5 = 0.09; 2.5 = 0.26; 3.5 = 0.50; 6 = 1.47
1.25 = 0.06; 2 = 0.16; 3 = 0.37; 4 = 0.65

Well Information

Well Location:	Northwest site boundary	Well Locked at Arrival:	yes
Condition of Well:	Missing bolts	Well Locked at Departure:	yes
Well Completion:	Flush mount	Key Number To Well:	NA

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Groundwater Sampling Form

Project Number	30226727	**Well ID**	MW08-07D			**Date**	11/14/2024
Project Name/Location	NYSEG Goshen 2024 Monitoring and Reporting		**Weather(°F)**	37.9 degrees F and Clear. The wind is blowing NE at 4.7 mph.			
Measuring Pt. Description	Top of Inner Casing	**MP Elevation**		**Casing Diameter (in)**	1	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	11.41	**Total Depth (ft-bmp)**	38.82	**Water Column (ft)**	27.41	**Gallons in Well**	1.11
Purge Start	11:45	**Pump Intake (ft-bmp)**	36	**Purge Method**	Low-Flow	**Purge Equipment**	Submersible
Purge End	12:20	**Volumes Purged**	1.43	**Sample ID**	MW08-07D	**Sampled by**	Alec Fedele
Sample Time	12:20	**Gallons Purged**	1.59	**Replicate/ Code No.**	NA	**Sample Type**	Grab

Time	Minutes Elapsed	Total Elapsed Minutes	Rate mL/min	Depth to Water (ft)	Gallon Purged	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature °C	Redox (mV)	Appearance	
												Color	Odor
11:45	0	0	200	11.41	0.00	7.71	1.21	30.1	6	14.18	109	Clear	None
11:50	5	5	200	11.41	0.26	7.66	2.42	31.2	0.72	14.14	95	Clear	None
11:55	5	10	200	11.41	0.53	7.62	2.43	30.8	0.3	14.12	91	Clear	None
12:00	5	15	200	11.41	0.79	7.62	2.41	31.1	0.01	14.04	70	Clear	None
12:05	5	20	200	11.41	1.06	7.62	2.4	32.8	0.01	14.04	62	Clear	None
12:10	5	25	200	11.41	1.32	7.62	2.39	31.9	0.01	14.05	57	Clear	None
12:15	5	30	200	11.41	1.59	7.62	2.39	32.1	0.01	14.05	56	Clear	None

Constituent Sampled	Container	Number	Preservative
BTEX SW-846 8260	40 mL Glass	3	HCL
Cyanide	250 mL Plastic	1	NaOh
PAHs SW-846 8100	1L Amber	2	None

Comments: Can not gauge dtw while purging due to well diameter.

Well Casing Volume Conversion

Well diameter (inches) = gallons per foot

1 = 0.04; 1.5 = 0.09; 2.5 = 0.26; 3.5 = 0.50; 6 = 1.47
1.25 = 0.06; 2 = 0.16; 3 = 0.37; 4 = 0.65

Well Information

Well Location:	Southeast of boiler tanks	Well Locked at Arrival:	no
Condition of Well:	Missing lock	Well Locked at Departure:	no
Well Completion:	Flush mount	Key Number To Well:	NA

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Groundwater Sampling Form

Project Number	30226727	**Well ID**	MW08-07S			**Date**	11/14/2024
Project Name/Location	NYSEG Goshen 2024 Monitoring and Reporting		**Weather(°F)**	37.9 degrees F and Clear. The wind is blowing NE at 4.7 mph.			
Measuring Pt. Description	Top of Inner Casing	**MP Elevation**		**Casing Diameter (in)**	1	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	7.85	**Total Depth (ft-bmp)**	15.53	**Water Column (ft)**	7.68	**Gallons in Well**	0.31
Purge Start	11:10	**Pump Intake (ft-bmp)**	13	**Purge Method**	Low-Flow	**Purge Equipment**	Submersible
Purge End	11:28	**Volumes Purged**	2.55	**Sample ID**	MW08-07S	**Sampled by**	Alec Fedele
Sample Time	08:45	**Gallons Purged**	0.79	**Replicate/ Code No.**	NA	**Sample Type**	Grab

Time	Minutes Elapsed	Total Elapsed Minutes	Rate mL/min	Depth to Water (ft)	Gallon Purged	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature °C	Redox (mV)	Appearance	
												Color	Odor
11:10	0	0	200	7.85	0.00	7.82	2.31	45.3	3.02	13.63	96	Clear	None
11:15	5	5	200	7.85	0.26	7.72	2.25	45.7	1.28	13.7	95	Clear	None
11:20	5	10	200	7.85	0.53	7.7	2.21	148	0.99	13.28	92	Clear	None
11:25	5	15	200	7.85	0.79	7.63	2.33	122	0.48	14.78	91	Clear	None

Constituent Sampled	Container	Number	Preservative
BTEX SW-846 8260	40 mL Glass	3	HCL
Cyanide	250 mL Plastic	1	NaOh
PAHs SW-846 8100	1L Amber	2	None

Comments: Can not gauge dtw while purging due to well diameter.
Well went dry during purging @1128.
Grab sample on 11/15 @0845

Well Casing Volume Conversion

Well diameter (inches) = gallons per foot — 1 = 0.04; 1.5 = 0.09; 2.5 = 0.26; 3.5 = 0.50; 6 = 1.47
1.25 = 0.06; 2 = 0.16; 3 = 0.37; 4 = 0.65

Well Information

Well Location:	Southeast of boiler tanks	Well Locked at Arrival:	no
Condition of Well:	Missing lock	Well Locked at Departure:	no
Well Completion:	Flush mount	Key Number To Well:	NA

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Groundwater Sampling Form

Project Number	30226727	**Well ID**	MW08-08S			**Date**	11/15/2024
Project Name/Location	NYSEG Goshen 2024 Monitoring and Reporting		**Weather(°F)**	32.0 degrees F and Clear. The wind is blowing undefined at 0.0 mph.			
Measuring Pt. Description	Top of Inner Casing	**MP Elevation**		**Casing Diameter (in)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	5.05	**Total Depth (ft-bmp)**	12.48	**Water Column (ft)**	7.43	**Gallons in Well**	1.21
Purge Start	11:05	**Pump Intake (ft-bmp)**	8	**Purge Method**	Low-Flow	**Purge Equipment**	Peristaltic
Purge End	11:35	**Volumes Purged**	1.31	**Sample ID**	MW08-8S	**Sampled by**	Kirk Vargas
Sample Time	11:40	**Gallons Purged**	1.59	**Replicate/ Code No.**	NA	**Sample Type**	Grab

Time	Minutes Elapsed	Total Elapsed Minutes	Rate mL/min	Depth to Water (ft)	Gallon Purged	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature °C	Redox (mV)	Appearance	
												Color	Odor
11:05	0	0	200	6.08	0.00	7.65	4.51	14.8	4.9	15.28	-172	Clear	None
11:10	5	5	200	6.08	0.26	7.28	1.62	5.4	1.7	15.44	-50	Clear	None
11:15	5	10	200	6.40	0.53	7.23	4.68	2.4	0.1	15.53	-58	Clear	None
11:20	5	15	200	6.89	0.79	7.2	4.84	0	0.01	15.53	-62	Clear	None
11:25	5	20	200	6.94	1.06	7.17	4.88	0	0.01	15.62	-65	Clear	None
11:30	5	25	200	6.94	1.32	7.15	4.92	0	0.01	15.65	-65	Clear	None
11:35	5	30	200	6.94	1.59	7.15	4.93	0	0.01	15.64	-70	Clear	None

Constituent Sampled	Container	Number	Preservative
BTEX SW-846 8260	40 mL Glass	3	HCL
Cyanide	250 mL Plastic	1	NaOh
PAHs SW-846 8100	1L Amber	2	None

Comments:

Well Casing Volume Conversion

Well diameter (inches) = gallons per foot

1 = 0.04; 1.5 = 0.09; 2.5 = 0.26; 3.5 = 0.50; 6 = 1.47
1.25 = 0.06; 2 = 0.16; 3 = 0.37; 4 = 0.65

Well Information

Well Location:	Southwest of boiler tanks	Well Locked at Arrival:	no
Condition of Well:	Good condition	Well Locked at Departure:	no
Well Completion:	Flush mount	Key Number To Well:	NA

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Groundwater Sampling Form

Project Number	30226727	**Well ID**	MW18-04D			**Date**	11/14/2024
Project Name/Location	NYSEG Goshen 2024 Monitoring and Reporting		**Weather(°F)**	37.9 degrees F and Clear. The wind is blowing NE at 4.7 mph.			
Measuring Pt. Description	Top of Inner Casing	**MP Elevation**		**Casing Diameter (in)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	8.88	**Total Depth (ft-bmp)**	40	**Water Column (ft)**	31.12	**Gallons in Well**	5.06
Purge Start	10:00	**Pump Intake (ft-bmp)**	35	**Purge Method**	Low-Flow	**Purge Equipment**	Peristaltic
Purge End	10:35	**Volumes Purged**	0.37	**Sample ID**	MW18-04D	**Sampled by**	Kirk Vargas
Sample Time	10:40	**Gallons Purged**	1.87	**Replicate/ Code No.**	NA	**Sample Type**	Grab

Time	Minutes Elapsed	Total Elapsed Minutes	Rate mL/min	Depth to Water (ft)	Gallon Purged	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature °C	Redox (mV)	Appearance	
												Color	Odor
10:00	0	0	200	9.49	0.00	7.03	155	24.3	2.32	14.3	156	Clear	None
10:05	5	5	200	9.90	0.26	7.08	1.17	21.2	1.7	14.69	165	Clear	None
10:10	5	10	200	9.90	0.53	7.1	1.13	21.4	1.25	14.9	168	Clear	None
10:15	5	15	200	9.90	0.79	7.11	1.13	21.6	1.06	14.94	167	Clear	None
10:20	5	20	200	9.90	1.06	7.12	1.12	21.1	0.1	14.8	168	Clear	None
10:25	5	25	200	9.90	1.32	7.19	1.11	21.2	0.01	14.9	166	Clear	None
10:30	5	30	200	9.90	1.59	7.17	1.11	21.2	0.01	14.87	166	Clear	None
10:35	5	35	200	10.00	1.85	7.12	1.12	21	0.01	14.89	160	Clear	None

Constituent Sampled	Container	Number	Preservative
BTEX SW-846 8260	40 mL Glass	9	HCL
Cyanide	250 mL Plastic	3	NaOh
PAHs SW-846 8100	1L Amber	6	None

Comments:

Well Casing Volume Conversion

Well diameter (inches) = gallons per foot — 1 = 0.04; 1.5 = 0.09; 2.5 = 0.26; 3.5 = 0.50; 6 = 1.47
1.25 = 0.06; 2 = 0.16; 3 = 0.37; 4 = 0.65

Well Information

Well Location:	Northwest of steel gas holder #3	Well Locked at Arrival:	yes
Condition of Well:	Good condition	Well Locked at Departure:	yes
Well Completion:	Stick-up	Key Number To Well:	NA

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Groundwater Sampling Form

Project Number	30226727	**Well ID**	MW18-04S			**Date**	11/14/2024
Project Name/Location	NYSEG Goshen 2024 Monitoring and Reporting		**Weather(°F)**	37.9 degrees F and Clear. The wind is blowing NE at 4.7 mph.			
Measuring Pt. Description	Top of Inner Casing	**MP Elevation**		**Casing Diameter (in)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	15.62	**Total Depth (ft-bmp)**	21.36	**Water Column (ft)**	5.74	**Gallons in Well**	0.93
Purge Start	08:55	**Pump Intake (ft-bmp)**	16.36	**Purge Method**	Low-Flow	**Purge Equipment**	Peristaltic
Purge End	09:30	**Volumes Purged**	1.99	**Sample ID**	MW18-04S	**Sampled by**	Kirk Vargas
Sample Time	09:35	**Gallons Purged**	1.85	**Replicate/ Code No.**	NA	**Sample Type**	Grab

Time	Minutes Elapsed	Total Elapsed Minutes	Rate mL/min	Depth to Water (ft)	Gallon Purged	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature °C	Redox (mV)	Appearance	
												Color	Odor
08:55	0	0	200	15.70	0.00	6.66	2.79	36.5	0.01	11.54	162	Clear	None
09:00	5	5	200	15.70	0.00	6.65	3.77	10.9	0.01	13.61	148	Clear	None
09:05	5	10	200	15.70	0.00	6.65	3.86	6.7	0.01	13.55	146	Clear	None
09:10	5	15	200	15.75	0.00	6.65	4.19	2.7	0.01	15.15	135	Clear	None
09:15	5	20	200	15.75	0.00	6.65	4.56	2.5	0.01	14.63	135	Clear	None
09:20	5	25	200	15.75	0.00	6.65	4.89	2.5	0.01	14.66	133	Clear	None
09:25	5	30	200	15.75	0.00	6.65	4.93	2.1	0.01	14.65	133	Clear	None
09:30	5	35	200	15.75	0.00	6.65	4.88	2.1	0.01	14.66	135	Clear	None

Constituent Sampled	Container	Number	Preservative
BTEX SW-846 8260	40 mL Glass	3	HCL
Cyanide	250 mL Plastic	1	NaOh
PAHs SW-846 8100	1L Amber	2	None

Comments:

Well Casing Volume Conversion

Well diameter (inches) = gallons per foot — 1 = 0.04; 1.5 = 0.09; 2.5 = 0.26; 3.5 = 0.50; 6 = 1.47
1.25 = 0.06; 2 = 0.16; 3 = 0.37; 4 = 0.65

Well Information

Well Location:	Northwest of steel gas holder #3	Well Locked at Arrival:	yes
Condition of Well:	Good condition	Well Locked at Departure:	yes
Well Completion:	Stick-up	Key Number To Well:	NA

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Groundwater Sampling Form

Project Number	30226727	**Well ID**	MW18-08D			**Date**	11/15/2024
Project Name/Location	NYSEG Goshen 2024 Monitoring and Reporting		**Weather(°F)**	32.0 degrees F and Clear. The wind is blowing undefined at 0.0 mph.			
Measuring Pt. Description	Top of Inner Casing	**MP Elevation**		**Casing Diameter (in)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	8.45	**Total Depth (ft-bmp)**	36.35	**Water Column (ft)**	27.90	**Gallons in Well**	4.53
Purge Start	11:15	**Pump Intake (ft-bmp)**	34	**Purge Method**	Low-Flow	**Purge Equipment**	Submersible
Purge End	11:50	**Volumes Purged**	0.35	**Sample ID**	MW18-08D	**Sampled by**	Alec Fedele
Sample Time	11:50	**Gallons Purged**	1.59	**Replicate/ Code No.**	NA	**Sample Type**	Grab

Time	Minutes Elapsed	Total Elapsed Minutes	Rate mL/min	Depth to Water (ft)	Gallon Purged	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature °C	Redox (mV)	Appearance	
												Color	Odor
11:15	0	0	200	8.45	0.00	7.7	4.77	57.7	0.91	11.59	77	Clear	None
11:20	5	5	200	9.00	0.26	7.48	4.83	48.3	0.02	11.94	63	Clear	None
11:25	5	10	200	9.12	0.53	7.46	4.77	26.8	0.01	12.73	49	Clear	None
11:30	5	15	200	9.15	0.79	7.48	4.39	23.4	0.01	13.57	41	Clear	None
11:35	5	20	200	9.15	1.06	7.51	3.46	36.2	0.01	14.64	36	Clear	None
11:40	5	25	200	9.15	1.32	7.51	3.47	37.7	0.01	14.67	35	Clear	None
11:45	5	30	200	9.15	1.59	7.53	3.48	35.2	0.01	14.68	33	Clear	None

Constituent Sampled	Container	Number	Preservative
BTEX SW-846 8260	40 mL Glass	3	HCL
Cyanide	250 mL Plastic	1	NaOh
PAHs SW-846 8100	1L Amber	2	None

Comments:

Well Casing Volume Conversion

Well diameter (inches) = gallons per foot — 1 = 0.04; 1.5 = 0.09; 2.5 = 0.26; 3.5 = 0.50; 6 = 1.47
1.25 = 0.06; 2 = 0.16; 3 = 0.37; 4 = 0.65

Well Information

Well Location:	Southwest of boiler tanks	Well Locked at Arrival:	yes
Condition of Well:	Good condition	Well Locked at Departure:	yes
Well Completion:	Stick-up	Key Number To Well:	NA

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Groundwater Sampling Form

Project Number	30226727	**Well ID**	MW93-1D			**Date**	11/14/2024
Project Name/Location	NYSEG Goshen 2024 Monitoring and Reporting		**Weather(°F)**	27.0 degrees F and . The wind is blowing undefined at 0.0 mph.			
Measuring Pt. Description	Top of Inner Casing	**MP Elevation**		**Casing Diameter (in)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	10.21	**Total Depth (ft-bmp)**	36.3	**Water Column (ft)**	26.09	**Gallons in Well**	4.24
Purge Start	10:10	**Pump Intake (ft-bmp)**	34	**Purge Method**	Low-Flow	**Purge Equipment**	Submersible
Purge End	10:45	**Volumes Purged**	0.37	**Sample ID**	MW93-1D	**Sampled by**	Alec Fedele
Sample Time	10:45	**Gallons Purged**	1.57	**Replicate/ Code No.**	BD-20241114	**Sample Type**	Grab

Time	Minutes Elapsed	Total Elapsed Minutes	Rate mL/min	Depth to Water (ft)	Gallon Purged	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature °C	Redox (mV)	Appearance	
												Color	Odor
10:10	0	0	200	10.21	0.00	8.68	1.11	36.7	7.84	12.82	55	Clear	None
10:15	5	5	200	10.21	0.26	8.88	1.06	38.6	4.2	13.23	46	Clear	None
10:20	5	10	200	10.21	0.53	9.33	0.916	15.8	1.67	14.24	21	Clear	None
10:25	5	15	200	10.21	0.79	9.35	0.912	13.3	1.21	14.23	18	Clear	None
10:30	5	20	200	10.21	1.06	9.37	0.904	13.8	0.56	14.17	17	Clear	None
10:35	5	25	200	10.21	1.32	9.35	0.911	13.6	0.55	14.1	15	Clear	None
10:40	5	30	200	10.21	1.59	9.34	0.913	14	0.52	14.09	15	Clear	None

Constituent Sampled	Container	Number	Preservative
BTEX SW-846 8260	40 mL Glass	3	HCL
Cyanide	250 mL Plastic	1	NaOh
PAHs SW-846 8100	1L Amber	2	None

Comments:

Well Casing Volume Conversion

Well diameter (inches) = gallons per foot

1 = 0.04; 1.5 = 0.09; 2.5 = 0.26; 3.5 = 0.50; 6 = 1.47
1.25 = 0.06; 2 = 0.16; 3 = 0.37; 4 = 0.65

Well Information

Well Location:	Southeast of office	Well Locked at Arrival:	yes
Condition of Well:	Good condition	Well Locked at Departure:	yes
Well Completion:	Flush mount	Key Number To Well:	NA

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Groundwater Sampling Form

Project Number	30226727	**Well ID**	MW93-1S			**Date**	11/14/2024
Project Name/Location	NYSEG Goshen 2024 Monitoring and Reporting		**Weather(°F)**	27.0 degrees F and . The wind is blowing undefined at 0.0 mph.			
Measuring Pt. Description	Top of Inner Casing	**MP Elevation**		**Casing Diameter (in)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	7.13	**Total Depth (ft-bmp)**	21.55	**Water Column (ft)**	14.42	**Gallons in Well**	2.34
Purge Start	09:00	**Pump Intake (ft-bmp)**	19	**Purge Method**	Low-Flow	**Purge Equipment**	Submersible
Purge End	09:35	**Volumes Purged**	0.68	**Sample ID**	MW93-1S	**Sampled by**	Alec Fedele
Sample Time	09:35	**Gallons Purged**	1.59	**Replicate/ Code No.**	NA	**Sample Type**	Grab

Time	Minutes Elapsed	Total Elapsed Minutes	Rate mL/min	Depth to Water (ft)	Gallon Purged	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature °C	Redox (mV)	Appearance	
												Color	Odor
09:00	0	0	200	7.13	0.00	6.55	4.38	128	2.94	11.38	147	Clear	None
09:05	5	5	200	8.14	0.26	7.2	4.34	122	0.77	12.64	118	Clear	None
09:10	5	10	200	9.14	0.53	7.39	4.12	100	0.17	13.58	92	Clear	None
09:15	5	15	200	9.77	0.79	7.43	4.08	71	0.01	13.52	72	Clear	None
09:20	5	20	200	10.02	1.06	7.43	3.92	51.2	0.01	13.98	62	Clear	None
09:25	5	25	200	10.70	1.32	7.44	3.86	49.6	0.01	14.13	59	Clear	None
09:30	5	30	200	10.70	1.59	7.43	3.84	48.3	0.01	14.24	56	Clear	None

Constituent Sampled	Container	Number	Preservative
BTEX SW-846 8260	40 mL Glass	3	HCL
Cyanide	250 mL Plastic	1	NaOh
PAHs SW-846 8100	1L Amber	2	None

Comments:

Well Casing Volume Conversion

Well diameter (inches) = gallons per foot — 1 = 0.04; 1.5 = 0.09; 2.5 = 0.26; 3.5 = 0.50; 6 = 1.47
1.25 = 0.06; 2 = 0.16; 3 = 0.37; 4 = 0.65

Well Information

Well Location:	Southeast of office	Well Locked at Arrival:	yes
Condition of Well:	Good condition	Well Locked at Departure:	yes
Well Completion:	Flush mount	Key Number To Well:	NA

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute
mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Groundwater Sampling Form

Project Number	30226727	**Well ID**	MW93-2D			**Date**	11/15/2024
Project Name/Location	NYSEG Goshen 2024 Monitoring and Reporting		**Weather(°F)**	32.0 degrees F and Clear. The wind is blowing undefined at 0.0 mph.			
Measuring Pt. Description	Top of Inner Casing	**MP Elevation**		**Casing Diameter (in)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	9.30	**Total Depth (ft-bmp)**	30.41	**Water Column (ft)**	21.11	**Gallons in Well**	3.43
Purge Start	09:00	**Pump Intake (ft-bmp)**	25.41	**Purge Method**	Low-Flow	**Purge Equipment**	Peristaltic
Purge End	09:40	**Volumes Purged**	0.62	**Sample ID**	MW93-2D	**Sampled by**	Kirk Vargas
Sample Time	09:45	**Gallons Purged**	2.13	**Replicate/ Code No.**	NA	**Sample Type**	Grab

Time	Minutes Elapsed	Total Elapsed Minutes	Rate mL/min	Depth to Water (ft)	Gallon Purged	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature °C	Redox (mV)	Appearance	
												Color	Odor
09:00	0	0	200	9.83	0.00	6.18	1.85	57.3	0.01	12.15	59	Clear	None
09:05	5	5	200	9.83	0.26	7.26	1.81	59.8	0.01	13.36	22	Clear	None
09:10	5	10	200	9.90	0.53	7.27	1.81	58.2	0.01	13.33	25	Clear	None
09:15	5	15	200	10.00	0.79	7.31	1.81	37.7	0.01	13.62	11	Clear	None
09:20	5	20	200	10.00	1.06	7.31	1.81	25.1	0.01	14.05	6	Clear	None
09:25	5	25	200	10.00	1.32	7.31	1.82	11.7	0.01	14.49	6	Clear	None
09:30	5	30	200	10.03	1.59	7.32	1.82	10.7	0.01	14.5	5	Clear	None
09:35	5	35	200	10.03	1.85	7.32	1.81	10.9	0.01	14.5	6	Clear	None
09:40	5	40	200	10.03	2.11	7.31	1.8	10.6	0.01	14.52	6	Clear	None

Constituent Sampled	Container	Number	Preservative
BTEX SW-846 8260	40 mL Glass	3	HCL
Cyanide	250 mL Plastic	1	NaOh
PAHs SW-846 8100	1L Amber	2	None

Comments:

Well Casing Volume Conversion

Well diameter (inches) = gallons per foot

1 = 0.04; 1.5 = 0.09; 2.5 = 0.26; 3.5 = 0.50; 6 = 1.47
1.25 = 0.06; 2 = 0.16; 3 = 0.37; 4 = 0.65

Well Information

Well Location:	Western corner of asphalt pavement	Well Locked at Arrival:	no
Condition of Well:	Good condition	Well Locked at Departure:	no
Well Completion:	Flush mount	Key Number To Well:	NA

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Groundwater Sampling Form

Project Number	30226727	**Well ID**	MW93-2S			**Date**	11/15/2024
Project Name/Location	NYSEG Goshen 2024 Monitoring and Reporting		**Weather(°F)**	32.0 degrees F and Clear. The wind is blowing undefined at 0.0 mph.			
Measuring Pt. Description	Top of Outer Casing	**MP Elevation**		**Casing Diameter (in)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	6.40	**Total Depth (ft-bmp)**	21.69	**Water Column (ft)**	15.29	**Gallons in Well**	2.48
Purge Start	10:05	**Pump Intake (ft-bmp)**	16.69	**Purge Method**	Low-Flow	**Purge Equipment**	Peristaltic
Purge End	10:35	**Volumes Purged**	0.64	**Sample ID**	MW93-2S	**Sampled by**	Kirk Vargas
Sample Time	10:40	**Gallons Purged**		**Replicate/ Code No.**	NA	**Sample Type**	Grab

Time	Minutes Elapsed	Total Elapsed Minutes	Rate mL/min	Depth to Water (ft)	Gallon Purged	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature °C	Redox (mV)	Appearance	
												Color	Odor
10:05	0	0	200	7.40	0.00	7.69	0.901	2.8	3.48	14.88	100	Clear	None
10:10	5	5	200	7.40	0.26	7.67	0.898	0	0.01	14.24	119	Clear	None
10:15	5	10	200	7.42	0.53	7.63	0.894	0	0.01	14.24	96	Clear	None
10:20	5	15	200	7.42	0.79	7.6	0.894	0	0.02	14.21	92	Clear	None
10:25	5	20	200	7.42	1.06	7.59	0.892	0	0.01	14.2	95	Clear	None
10:30	5	25	200	7.44	1.32	7.59	0.893	0	0.01	14.21	96	Clear	None
10:35	5	30	200	7.44	1.59	7.5	0.893	0	0.01	14.2	96	Clear	None

Constituent Sampled	Container	Number	Preservative
BTEX SW-846 8260	40 mL Glass	3	HCL
Cyanide	250 mL Plastic	1	NaOh
PAHs SW-846 8100	1L Amber	2	None

Comments:

Well Casing Volume Conversion

Well diameter (inches) = gallons per foot 1 = 0.04; 1.5 = 0.09; 2.5 = 0.26; 3.5 = 0.50; 6 = 1.47
1.25 = 0.06; 2 = 0.16; 3 = 0.37; 4 = 0.65

Well Information

Well Location:	West corner of asphalt pavement	Well Locked at Arrival:	no
Condition of Well:	Needs repairs,Missing bolts,Missing lock	Well Locked at Departure:	no
Well Completion:	Flush mount	Key Number To Well:	NA

ft-bmp = feet below measuring point
in = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius

Attachment 3

Laboratory Analytical Reports

Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2467254

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

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Project Name: NYSEG-GOSHEN FORMER MGP SITE
Project Number: 30113059

Lab Number: L2467254
Report Date: 05/23/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2467254-01	MW18-04S	WATER	GOSHEN, NY 10924	11/14/24 09:35	11/15/24
L2467254-02	MW18-04D	WATER	GOSHEN, NY 10924	11/14/24 10:40	11/15/24
L2467254-03	BD-20241114	WATER	GOSHEN, NY 10924	11/14/24 00:00	11/15/24
L2467254-04	MW08-05S	WATER	GOSHEN, NY 10924	11/14/24 12:10	11/15/24
L2467254-05	MW08-05D	WATER	GOSHEN, NY 10924	11/14/24 13:10	11/15/24
L2467254-06	MW93-2D	WATER	GOSHEN, NY 10924	11/15/24 09:45	11/15/24
L2467254-07	MW93-2S	WATER	GOSHEN, NY 10924	11/15/24 10:40	11/15/24
L2467254-08	MW08-08S	WATER	GOSHEN, NY 10924	11/15/24 11:40	11/15/24
L2467254-09	MW93-1S	WATER	GOSHEN, NY 10924	11/14/24 09:35	11/15/24
L2467254-10	MW93-1D	WATER	GOSHEN, NY 10924	11/14/24 10:45	11/15/24
L2467254-11	MW08-07S	WATER	GOSHEN, NY 10924	11/15/24 08:45	11/15/24
L2467254-12	MW08-07D	WATER	GOSHEN, NY 10924	11/15/24 12:20	11/15/24
L2467254-13	MW08-06S	WATER	GOSHEN, NY 10924	11/15/24 09:55	11/15/24
L2467254-14	MW08-06D	WATER	GOSHEN, NY 10924	11/15/24 10:45	11/15/24
L2467254-15	MW18-08D	WATER	GOSHEN, NY 10924	11/15/24 11:50	11/15/24

Case Narrative

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

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

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

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

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

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

Case Narrative (continued)

Report Revision

May 23, 2025: The Semivolatile Organics reporting list has been changed.

January 03, 2025: The client IDs have been corrected on L2464254-04, -05, and -08.

Report Submission

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

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

Authorized Signature: Kelly Stenstrom Report Date: 05/23/25

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

the identification is based on a mass spectral library search.

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

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

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

TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

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

Volatile Organics: VPH

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

Volatile Organics: PIANO

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

Volatile Organics: Dissolved Gas

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

Volatile Organics in Air Instruments

Volatile Organics in Air:

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

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

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

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

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

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

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

Pesticides/PCB/Herbicides:

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

Petroleum/EPH:

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

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

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

Semivolatile Organics (8270):

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

Semivolatile Organics (8270 SIM):

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

Semivolatile Organics (1,4-Dioxane):

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

Semivolatile Organics (209 Congener):

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

Semivolatile Organics (8081):

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

Semivolatile Organics (8082):

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

Semivolatile Organics (SHC Extractables):

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

Sample Delivery Group Summary

Alpha Job Number : L2467254

Received : 15-NOV-2024
Reviewer : Katelyn Wolotschaj

Account Name : Arcadis of New York, Inc.
Project Number : 30113059
Project Name : NYSEG-GOSHEN FORMER MGP SITE

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.9	
B	Absent/	Ice	2.7	

Condition Information

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

Volatile Organics/VPH

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

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
May 23 2025, 01:58 pm

Login Number: L2467254
Account: ARCADIS-NY Arcadis of New York, Inc.Project: 30113059
Received: 15NOV24 Due Date: 22NOV24

Sample #	Client ID	Mat	PR	Collected
L2467254-01	MW18-04S		1 S0	14NOV24 09:35
8270: Report List Built (PAHs) ASP-B Package Due Date: 01/23/25				
ASP-B,NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				
L2467254-02	MW18-04D		1 S0	14NOV24 10:40
8270: Report List Built (PAHs) L2467254-02 MS L2467254-02 MSD Package Due Date: 01/23/25				
MS/MSD,NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				
L2467254-03	BD-20241114		1 S0	14NOV24 00:00
8270: Report List Built (PAHs) Package Due Date: 01/23/25				
NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				
L2467254-04	MW08-05S		1 S0	14NOV24 12:10
8270: Report List Built (PAHs) Package Due Date: 01/23/25				
NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				
L2467254-05	MW08-05D		1 S0	14NOV24 13:10
8270: Report List Built (PAHs) Package Due Date: 01/23/25				
NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				
L2467254-06	MW93-2D		1 S0	15NOV24 09:45
8270: Report List Built (PAHs) Package Due Date: 01/23/25				
NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				
L2467254-07	MW93-2S		1 S0	15NOV24 10:40
8270: Report List Built (PAHs) Package Due Date: 01/23/25				

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
May 23 2025, 01:58 pm

Login Number: L2467254
Account: ARCADIS-NY Arcadis of New York, Inc.Project: 30113059
Received: 15NOV24 Due Date: 22NOV24

Sample #	Client ID	Mat	PR	Collected
NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				
L2467254-08	MW08-08S		1	S0 15NOV24 11:40
8270: Report List Built (PAHs) Package Due Date: 01/23/25				
NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				
L2467254-09	MW93-1S		1	S0 14NOV24 09:35
8270: Report List Built (PAHs) Package Due Date: 01/23/25				
NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				
L2467254-10	MW93-1D		1	S0 14NOV24 10:45
8270: Report List Built (PAHs) Package Due Date: 01/23/25				
NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				
L2467254-11	MW08-07S		1	S0 15NOV24 08:45
8270: Report List Built (PAHs) Package Due Date: 01/23/25				
NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				
L2467254-12	MW08-07D		1	S0 15NOV24 12:20
8270: Report List Built (PAHs) Package Due Date: 01/23/25				
NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				
L2467254-13	MW08-06S		1	S0 15NOV24 09:55
8270: Report List Built (PAHs) Package Due Date: 01/23/25				
NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
May 23 2025, 01:58 pm

Login Number: L2467254
Account: ARCADIS-NY Arcadis of New York, Inc.Project: 30113059
Received: 15NOV24 Due Date: 22NOV24

Sample #	Client ID	Mat	PR	Collected
L2467254-14	MW08-06D	1	S0	15NOV24 10:45
8270: Report List Built (PAHs) Package Due Date: 01/23/25				
NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				
L2467254-15	MW18-08D	1	S0	15NOV24 11:50
8270: Report List Built (PAHs) Package Due Date: 01/23/25				
NYTCL-8260-BTEX,NYTCL-8270-RVT,TCN-9010				

Logged By: Kelly Stenstrom

NEW YORK CHAIN OF CUSTODY

L2467254 22NOV24
ARCADIS – NY

ALPHA ANALYTICAL

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

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

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

Page 1 of 2

Date Rec'd in Lab: 11/15/24

Client Information

Client: Arcadis of NY, Inc.
Address: 110 West Fayette St., Suite 300
Syracuse, NY 13202
Phone: 315-671-9697
Fax:
Email: joe.bistrovich@arcadis.com

Project Information

Project Name: NYSEG - Goshen Former MGP Site
Project Location: Goshen, NY
Project #: 30113059
(Use Project name as Project #) ☐
Project Manager: Matt Hysell
ALPHAQuote #: 22698

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Do not run SIM analysis

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	BTEX - 8260	PAH - 8270	Cyanide - 9010/9012	MS/MSD	Total Bottle	Sample Specific Comments
L2467254 -01	MW18-04S	11/14/24	0935	Water	KV	X	X	X			
-02	MW18-04D	11/14/24	1040	Water	KV	X	X	X	X		
-03	BD-20241114	11/14/24	—	Water	KV	X	X	X			
-04	MW08-5S	11/14/24	1210	Water	KV	X	X	X			
-05	MW08-5D	11/14/24	1310	Water	KV	X	X	X			
-06	MW93-2D	11/15/24	0945	Water	KV	X	X	X			
-07	MW93-2S	11/15/24	1040	Water	KV	X	X	X			
-08	MW08-8S	11/15/24	1140	Water	KV	X	X	X			
-09	MW93-1S	11/14/24	0935	Water	AF	X	X	X			
-10	MW93-1D	11/14/24	1045	Water	AF	X	X	X			
					Container Type	V	A	P			
					Preservative	B	A	E			

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Alex Fedeles/Arcadis	11/15/24 1350		11/15/24 1350
	11/15/24 1352		11/15/24 1352
	11/15/24 2346		11/15/24 23:40

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of

Date Rec'd in Lab: 11/15/24

ALPHA Job #: L2467254

Client Information

Client: Arcadis of NY, Inc.
Address: 110 West Fayette St., Suite 300
Syracuse, NY 13202
Phone: 315-671-9697
Fax:
Email: joe.bistrovich@arcadis.com

Project Information

Project Name: NYSEG - Goshen Former MGP Site
Project Location: Goshen, NY
Project #: 30113059
(Use Project name as Project #) ☐
Project Manager: Matt Hysell
ALPHAQuote #: 22698

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Do not run SIM analysis

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	BTEX - 8260	PAH - 8270	Cyanide - 9010/9012	MS/MSD	Total Bottle	Sample Specific Comments
L2467254 -11	MW08-07S	11/15/24	0845	Water	AF	X	X	X			
-12	MW08-07D	11/14/24	1220	Water	AF	X	X	X			
-13	MW08-06S	11/15/24	0955	Water	AF	X	X	X			
-14	MW08-06D	11/15/24	1045	Water	AF	X	X	X			
-15	MW18-08D	11/15/24	1150	Water	AF	X	X	X			
				Water							
				Water							
				Water							
				Water							
				Water							

Container Type: V A P
Preservative: B A E

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Alex Fackle / AWhite	11/15/24/1350		11/15/24 1350
	11/15/24 1350		11/15/24 2140
	11/15/24 2340		11/15/24 23:40

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

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

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: Arcadis of New York, Inc.
Project Name: NYSEG-GOSHEN FORMER MGP SITE

Lab Number: L2467254
Project Number: 30113059
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW18-04S (L2467254-01)	82	101	97	100	0
MW18-04D (L2467254-02)	88	97	86	114	0
BD-20241114 (L2467254-03)	107	101	102	103	0
MW08-05S (L2467254-04)	87	95	86	110	0
MW08-05D (L2467254-05)	90	95	86	112	0
MW93-2D (L2467254-06)	90	95	86	113	0
MW93-2S (L2467254-07)	90	95	87	114	0
MW08-08S (L2467254-08)	92	95	84	116	0
MW93-1S (L2467254-09)	92	96	85	115	0
MW93-1D (L2467254-10)	93	96	86	118	0
MW08-07S (L2467254-11)	91	96	85	118	0
MW08-07D (L2467254-12)	94	94	84	117	0
MW08-06S (L2467254-13)	92	95	82	118	0
MW08-06D (L2467254-14)	94	95	85	118	0
MW18-08D (L2467254-15)	94	95	83	119	0
WG2000507-3LCS	83	99	94	104	0
WG2000507-4LCSD	89	103	104	104	0
WG2000507-5BLANK	86	98	92	107	0
WG2000602-3LCS	101	102	103	100	0
WG2000602-4LCSD	105	101	102	100	0
WG2000602-5BLANK	102	102	101	100	0
WG2001016-3LCS	88	97	91	111	0
WG2001016-4LCSD	88	97	88	110	0
WG2001016-5BLANK	90	96	85	112	0
MW18-04DMS	89	95	84	113	0
MW18-04DMSD	88	96	86	111	0

QC LIMITS

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

*** Values outside of QC limits**

FORM II NYTCL-8260-BTEX

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2000507-3 **Analysis Date** : 11/21/24 08:04	**File ID**	: V01241121A03
LCSD Sample ID	: WG2000507-4 **Analysis Date** : 11/21/24 08:31	**File ID**	: V01241121A04

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Benzene	10	10	100	10	10	100	0	70-130	20
Toluene	10	9.7	97	10	10	100	3	70-130	20
Ethylbenzene	10	9.3	93	10	9.5	95	2	70-130	20
p/m-Xylene	20	19	95	20	18	90	5	70-130	20
o-Xylene	20	18	90	20	18	90	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2000602-3 **Analysis Date** : 11/21/24 08:34	**File ID**	: VE241121A01
LCSD Sample ID	: WG2000602-4 **Analysis Date** : 11/21/24 08:58	**File ID**	: VE241121A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Benzene	10	11	110	10	9.2	92	18	70-130	20
Toluene	10	11	110	10	9.0	90	20	70-130	20
Ethylbenzene	10	11	110	10	9.0	90	20	70-130	20
p/m-Xylene	20	22	110	20	18	90	20	70-130	20
o-Xylene	20	22	110	20	18	90	20	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2001016-3 **Analysis Date** : 11/21/24 22:16	**File ID**	: V01241121N01
LCSD Sample ID	: WG2001016-4 **Analysis Date** : 11/21/24 22:42	**File ID**	: V01241121N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Benzene	10	9.3	93	10	9.2	92	1	70-130	20
Toluene	10	8.8	88	10	8.8	88	0	70-130	20
Ethylbenzene	10	8.5	85	10	8.4	84	1	70-130	20
p/m-Xylene	20	18	90	20	18	90	0	70-130	20
o-Xylene	20	17	85	20	17	85	0	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Client Sample ID	: MW18-04D	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2467254-02	**Analysis Date**	: 11/22/24 00:49
Matrix Spike	: WG2001016-6	**MS Analysis Date**	: 11/22/24 06:31
Matrix Spike Dup	: WG2001016-7	**MSD Analysis Date**	: 11/22/24 06:58

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	**Sample Conc. (ug/l)**	**Spike Added (ug/l)**	**Spike Conc. (ug/l)**	**%R**	**Spike Added (ug/l)**	**Spike Conc. (ug/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Benzene	ND	10	10	100	10	9.9	99	1	70-130	20
Toluene	ND	10	9.5	95	10	9.5	95	0	70-130	20
Ethylbenzene	ND	10	9.1	91	10	9.0	90	1	70-130	20
p/m-Xylene	ND	20	19	95	20	18	90	5	70-130	20
o-Xylene	ND	20	18	90	20	18	90	0	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Lab Sample ID	: WG2000507-5	**Lab File ID**	: V01241121A07
Instrument ID	: VOA101		
Matrix	: WATER	**Analysis Date**	: 11/21/24 09:50

Client Sample No.	Lab Sample ID	Analysis Date
WG2000507-3LCS	WG2000507-3	11/21/24 08:04
WG2000507-4LCSD	WG2000507-4	11/21/24 08:31
MW18-04S	L2467254-01	11/21/24 12:02

Method Blank Summary
Form 4
Volatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Lab Sample ID	: WG2000602-5	**Lab File ID**	: VE241121A05
Instrument ID	: ELAINE		
Matrix	: WATER	**Analysis Date**	: 11/21/24 10:11

Client Sample No.	Lab Sample ID	Analysis Date
WG2000602-3LCS	WG2000602-3	11/21/24 08:34
WG2000602-4LCSD	WG2000602-4	11/21/24 08:58
BD-20241114	L2467254-03	11/21/24 15:54

Method Blank Summary
Form 4
Volatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Lab Sample ID	: WG2001016-5	**Lab File ID**	: V01241121N05
Instrument ID	: VOA101		
Matrix	: WATER	**Analysis Date**	: 11/22/24 00:23

Client Sample No.	Lab Sample ID	Analysis Date
WG2001016-3LCS	WG2001016-3	11/21/24 22:16
WG2001016-4LCSD	WG2001016-4	11/21/24 22:42
MW18-04D	L2467254-02	11/22/24 00:49
MW08-05S	L2467254-04	11/22/24 01:15
MW08-05D	L2467254-05	11/22/24 01:42
MW93-2D	L2467254-06	11/22/24 02:08
MW93-2S	L2467254-07	11/22/24 02:34
MW08-08S	L2467254-08	11/22/24 03:01
MW93-1S	L2467254-09	11/22/24 03:27
MW93-1D	L2467254-10	11/22/24 03:53
MW08-07S	L2467254-11	11/22/24 04:19
MW08-07D	L2467254-12	11/22/24 04:46
MW08-06S	L2467254-13	11/22/24 05:12
MW08-06D	L2467254-14	11/22/24 05:38
MW18-08D	L2467254-15	11/22/24 06:05
MW18-04DMS	WG2001016-6	11/22/24 06:31
MW18-04DMSD	WG2001016-7	11/22/24 06:58

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

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: VOA101	**Analysis Date**	: 09/11/24 22:32
Tune Standard	: WG1970861-1	**Tune File ID**	: V01240911NBF4_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20
75	30.0 - 80.0% of mass 95	51
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1)1
174	Greater than 50.0% of mass 95	83.2
175	5.0 - 9.0% of mass 174	6.5 (7.8)1
176	Greater than 95.0% but less than 101% of mass	79.5 (95.6)1
177	5.0 - 9.0% of mass 176	5.4 (6.8)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1875115-1	V01240911N03	09/11/24 23:43
STD0.5PPB	R1875115-2	V01240911N06	09/12/24 01:01
STD2PPB	R1875115-3	V01240911N07	09/12/24 01:27
STD10PPB	R1875115-5	V01240911N08	09/12/24 01:53
STD30PPB	R1875115-4	V01240911N09	09/12/24 02:19
STD80PPB	R1875115-6	V01240911N10	09/12/24 02:45
STD120PPB	R1875115-7	V01240911N11	09/12/24 03:11
STD200PPB	R1875115-8	V01240911N12	09/12/24 03:37
Correlation Data Summary	R1875115-9	V01240911N17	09/12/24 05:47
ICV Quant Report	R1875115-9	V01240911N17	09/12/24 05:47

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

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: VOA101	**Analysis Date**	: 11/21/24 06:59
Tune Standard	: WG2000507-1	**Tune File ID**	: V01241121ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	17
75	30.0 - 80.0% of mass 95	44.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.3 (.4)1
174	Greater than 50.0% of mass 95	93.7
175	5.0 - 9.0% of mass 174	7 (7.4)1
176	Greater than 95.0% but less than 101% of mass	90 (96.1)1
177	5.0 - 9.0% of mass 176	6.1 (6.8)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2000507-2CCAL	WG2000507-2	V01241121A03	11/21/24 08:04
WG2000507-3LCS	WG2000507-3	V01241121A03	11/21/24 08:04
WG2000507-4LCSD	WG2000507-4	V01241121A04	11/21/24 08:31
WG2000507-5BLANK	WG2000507-5	V01241121A07	11/21/24 09:50
MW18-04S	L2467254-01	V01241121A12	11/21/24 12:02

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

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: VOA101	**Analysis Date**	: 11/21/24 21:53
Tune Standard	: WG2001016-1	**Tune File ID**	: V01241121NBF3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 80.0% of mass 95	47.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.3 (.3)1
174	Greater than 50.0% of mass 95	98.8
175	5.0 - 9.0% of mass 174	7.5 (7.6)1
176	Greater than 95.0% but less than 101% of mass	96.1 (97.3)1
177	5.0 - 9.0% of mass 176	6.4 (6.6)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2001016-2CCAL	WG2001016-2	V01241121N01	11/21/24 22:16
WG2001016-3LCS	WG2001016-3	V01241121N01	11/21/24 22:16
WG2001016-4LCSD	WG2001016-4	V01241121N02	11/21/24 22:42
WG2001016-5BLANK	WG2001016-5	V01241121N05	11/22/24 00:23
MW18-04D	L2467254-02	V01241121N06	11/22/24 00:49
MW08-05S	L2467254-04	V01241121N07	11/22/24 01:15
MW08-05D	L2467254-05	V01241121N08	11/22/24 01:42
MW93-2D	L2467254-06	V01241121N09	11/22/24 02:08
MW93-2S	L2467254-07	V01241121N10	11/22/24 02:34
MW08-08S	L2467254-08	V01241121N11	11/22/24 03:01
MW93-1S	L2467254-09	V01241121N12	11/22/24 03:27
MW93-1D	L2467254-10	V01241121N13	11/22/24 03:53
MW08-07S	L2467254-11	V01241121N14	11/22/24 04:19
MW08-07D	L2467254-12	V01241121N15	11/22/24 04:46
MW08-06S	L2467254-13	V01241121N16	11/22/24 05:12
MW08-06D	L2467254-14	V01241121N17	11/22/24 05:38
MW18-08D	L2467254-15	V01241121N18	11/22/24 06:05
WG2001016-6MS	WG2001016-6	V01241121N19	11/22/24 06:31
WG2001016-7MSD	WG2001016-7	V01241121N20	11/22/24 06:58

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

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: ELAINE	**Analysis Date**	: 11/15/24 01:44
Tune Standard	: WG1998028-1	**Tune File ID**	: VE241115ABF3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 80.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.4 (.4)1
174	Greater than 50.0% of mass 95	80.3
175	5.0 - 9.0% of mass 174	6.5 (8.1)1
176	Greater than 95.0% but less than 101% of mass	77.6 (96.6)1
177	5.0 - 9.0% of mass 176	5.8 (7.4)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1900740-1	VE241115A03	11/15/24 02:52
STD0.5PPB	R1900740-2	VE241115A05	11/15/24 03:41
STD2PPB	R1900740-3	VE241115A07	11/15/24 04:30
STD10PPB	R1900740-4	VE241115A09	11/15/24 05:18
STD30PPB	R1900740-5	VE241115A10	11/15/24 05:43
STD80PPB	R1900740-6	VE241115A11	11/15/24 06:07
STD120PPB	R1900740-7	VE241115A12	11/15/24 06:32
STD200PPB	R1900740-8	VE241115A13	11/15/24 06:56
ICV Quant Report	R1900740-9	VE241115A18	11/15/24 08:59

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

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: ELAINE	**Analysis Date**	: 11/21/24 08:20
Tune Standard	: WG2000602-1	**Tune File ID**	: VE241121ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 80.0% of mass 95	48.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (.5)1
174	Greater than 50.0% of mass 95	74.8
175	5.0 - 9.0% of mass 174	6.1 (8.2)1
176	Greater than 95.0% but less than 101% of mass	72.6 (97)1
177	5.0 - 9.0% of mass 176	4.9 (6.8)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2000602-2CCAL	WG2000602-2	VE241121A01	11/21/24 08:34
WG2000602-3LCS	WG2000602-3	VE241121A01	11/21/24 08:34
WG2000602-4LCSD	WG2000602-4	VE241121A02	11/21/24 08:58
WG2000602-5BLANK	WG2000602-5	VE241121A05	11/21/24 10:11
BD-20241114	L2467254-03	VE241121A19	11/21/24 15:54

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: VOA101	**Analysis Date**	: 11/21/24 08:04:00
Sample No	: WG2000507-2	**Lab File ID**	: V01241121A03

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2000507-2	344315	5.94	289208	9.45	172798	12.18
Upper Limit	688630	6.44	578416	9.95	345596	12.68
Lower Limit	172158	5.44	144604	8.95	86399	11.68
Sample ID						
WG2000507-3 LCS	344315	5.94	289208	9.45	172798	12.18
WG2000507-4 LCSD	384568	5.94	309119	9.45	163165	12.17
WG2000507-5 BLANK	313768	5.94	259132	9.45	139715	12.18
MW18-04S	354084	5.94	275594	9.45	139651	12.18

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: ELAINE	**Analysis Date**	: 11/21/24 08:34:00
Sample No	: WG2000602-2	**Lab File ID**	: VE241121A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2000602-2	210887	5.94	150086	9.47	75901	12.19
Upper Limit	421774	6.44	300172	9.97	151802	12.69
Lower Limit	105444	5.44	75043	8.97	37951	11.69
Sample ID						
WG2000602-3 LCS	210887	5.94	150086	9.47	75901	12.19
WG2000602-4 LCSD	211070	5.94	153739	9.47	78233	12.19
WG2000602-5 BLANK	206453	5.94	148525	9.47	74485	12.19
BD-20241114	188860	5.94	140565	9.47	69821	12.19

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: VOA101	**Analysis Date**	: 11/21/24 22:16:00
Sample No	: WG2001016-2	**Lab File ID**	: V01241121N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2001016-2	220828	5.94	195447	9.45	120841	12.18
Upper Limit	441656	6.44	390894	9.95	241682	12.68
Lower Limit	110414	5.44	97724	8.95	60421	11.68
Sample ID						
WG2001016-3 LCS	220828	5.94	195447	9.45	120841	12.18
WG2001016-4 LCSD	228325	5.94	198545	9.45	123895	12.17
WG2001016-5 BLANK	222847	5.94	193471	9.46	109840	12.18
MW18-04D	219675	5.94	187807	9.46	105939	12.18
MW08-05S	238236	5.94	202232	9.46	124453	12.18
MW08-05D	223687	5.94	196671	9.46	113545	12.18
MW93-2D	218644	5.94	190206	9.46	109210	12.18
MW93-2S	217872	5.94	188219	9.46	107723	12.18
MW08-08S	214915	5.94	187239	9.45	107500	12.18
MW93-1S	210751	5.94	182191	9.46	104444	12.18
MW93-1D	206786	5.94	180854	9.46	104308	12.18
MW08-07S	206895	5.94	179881	9.46	103373	12.18
MW08-07D	208825	5.94	181989	9.46	104500	12.18
MW08-06S	206806	5.94	180709	9.46	106196	12.18
MW08-06D	205294	5.94	180641	9.45	103504	12.18
MW18-08D	202389	5.94	179320	9.45	103238	12.18
MW18-04D MS	225298	5.94	198611	9.46	127355	12.18
MW18-04D MSD	231731	5.94	202173	9.46	126971	12.18

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

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

* Values outside of QC limits

Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 1

Volatile Organics - EPA 8260D (WATER)

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

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

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.

Date Created: 04/17/25
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Volatile Organics - EPA 8260D (WATER)

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

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

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Lab ID	: L2467254-01	**Date Collected**	: 11/14/24 09:35
Client ID	: MW18-04S	**Date Received**	: 11/15/24
Sample Location	: GOSHEN, NY 10924	**Date Analyzed**	: 11/21/24 12:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V01241121A12	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-02	Date Collected	: 11/14/24 10:40
Client ID	: MW18-04D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 00:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N06	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-03	Date Collected	: 11/14/24 00:00
Client ID	: BD-20241114	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/21/24 15:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE241121A19	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-04	Date Collected	: 11/14/24 12:10
Client ID	: MW08-05S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 01:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N07	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	14	0.50	0.16	
108-88-3	Toluene	3.0	2.5	0.70	
100-41-4	Ethylbenzene	2.9	2.5	0.70	
179601-23-1	p/m-Xylene	2.7	2.5	0.70	
95-47-6	o-Xylene	7.9	2.5	0.70	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-05	Date Collected	: 11/14/24 13:10
Client ID	: MW08-05D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 01:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N08	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-06	Date Collected	: 11/15/24 09:45
Client ID	: MW93-2D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 02:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N09	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-07	Date Collected	: 11/15/24 10:40
Client ID	: MW93-2S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 02:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N10	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-08	Date Collected	: 11/15/24 11:40
Client ID	: MW08-08S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 03:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N11	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-09	Date Collected	: 11/14/24 09:35
Client ID	: MW93-1S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 03:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N12	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-10	Date Collected	: 11/14/24 10:45
Client ID	: MW93-1D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 03:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N13	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Lab ID	: L2467254-11	**Date Collected**	: 11/15/24 08:45
Client ID	: MW08-07S	**Date Received**	: 11/15/24
Sample Location	: GOSHEN, NY 10924	**Date Analyzed**	: 11/22/24 04:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V01241121N14	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-12	Date Collected	: 11/15/24 12:20
Client ID	: MW08-07D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 04:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N15	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-13	Date Collected	: 11/15/24 09:55
Client ID	: MW08-06S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 05:12
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N16	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Lab ID	: L2467254-14	**Date Collected**	: 11/15/24 10:45
Client ID	: MW08-06D	**Date Received**	: 11/15/24
Sample Location	: GOSHEN, NY 10924	**Date Analyzed**	: 11/22/24 05:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V01241121N17	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-15	Date Collected	: 11/15/24 11:50
Client ID	: MW18-08D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 06:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N18	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: WG2000507-5	Date Collected	: NA
Client ID	: WG2000507-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/21/24 09:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01241121A07	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: WG2000602-5	Date Collected	: NA
Client ID	: WG2000602-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/21/24 10:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VE241121A05	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: WG2001016-5	Date Collected	: NA
Client ID	: WG2001016-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/22/24 00:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: V01241121N05	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A12.D
Acq On : 21 Nov 2024 12:02 pm
Operator : VOA101:PID
Sample : L2467254-01,31,10,10,,A
Misc : WG2000507,ICAL21487
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 21 15:19:28 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121A\V01241121A03.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.941	96	354084	10.000	ug/L	0.00
Standard Area 1 = 344315			Recovery = 102.84%			
59) Chlorobenzene-d5	9.454	117	275594	10.000	ug/L	0.00
Standard Area 1 = 289208			Recovery = 95.29%			
79) 1,4-Dichlorobenzene-d4	12.176	152	139651	10.000	ug/L	0.00
Standard Area 1 = 172798			Recovery = 80.82%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.138	113	92477	9.958	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.58%			
43) 1,2-Dichloroethane-d4	5.656	65	87017	8.155	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 81.55%			
60) Toluene-d8	7.619	98	334308	10.115	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.15%			
83) 4-Bromofluorobenzene	10.963	95	114621	9.678	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.78%			
Target Compounds						Qvalue
41) Benzene	5.531	78	53	N.D.		
61) Toluene	7.667	92	30	N.D.		
74) Ethylbenzene	9.465	91	251	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		

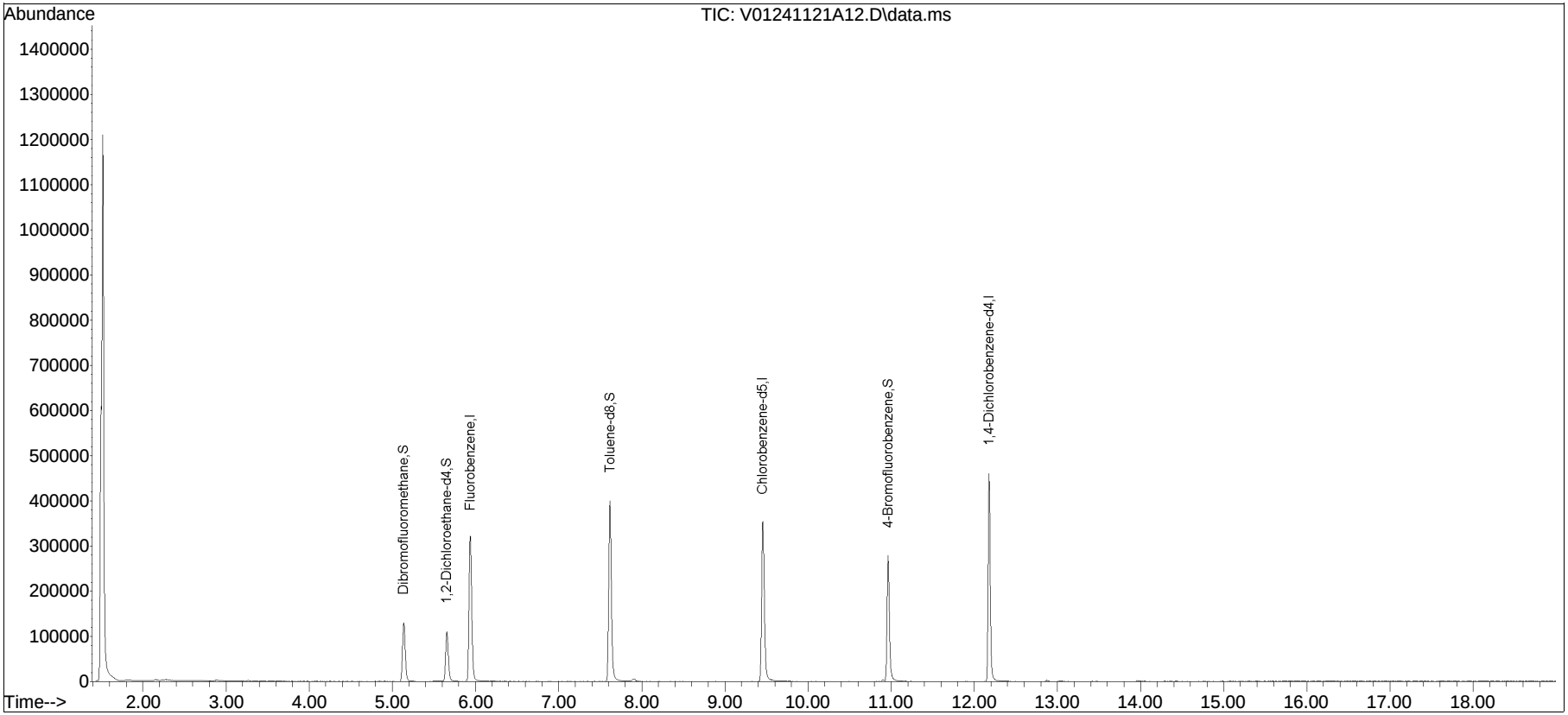
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A12.D
Acq On : 21 Nov 2024 12:02 pm
Operator : VOA101:PID
Sample : L2467254-01,31,10,10,,A
Misc : WG2000507,ICAL21487
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 21 15:19:28 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121A03.D•



Manual Integration Report

Data Path	: K:\VOA101\2024\241121A\	QMethod	: V101_240911N_8260.m
Data File	: V01241121A12.D	Operator	: VOA101:PID
Date Inj'd	: 11/21/2024 12:02 pm	Instrument	: VOA 101
Sample	: L2467254-01,31,10,10,,A	Quant Date	: 11/21/2024 3:19 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A19.D
Acq On : 21 Nov 2024 3:54 pm
Operator : ELAINE:MJV
Sample : L2467254-03,31,10,10,,A
Misc : WG2000602,ICAL21711
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 07:26:37 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241121A\VE241121A01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.939	96	188860	10.000	ug/L	0.00
Standard Area 1 = 210887			Recovery = 89.56%			
63) Chlorobenzene-d5	9.472	117	140565	10.000	ug/L	0.00
Standard Area 1 = 150086			Recovery = 93.66%			
84) 1,4-Dichlorobenzene-d4	12.186	152	69821	10.000	ug/L	0.00
Standard Area 1 = 75901			Recovery = 91.99%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.133	113	44717	10.326	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.26%			
47) 1,2-Dichloroethane-d4	5.660	65	55051	10.744	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.44%			
64) Toluene-d8	7.629	98	194535	10.148	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.48%			
88) 4-Bromofluorobenzene	10.973	95	65203	10.164	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.64%			
Target Compounds						Qvalue
45) Benzene	5.521	78	28	N.D.		
65) Toluene	7.690	92	28	N.D.		
79) Ethylbenzene	0.000		0	N.D. d		
81) p/m Xylene	9.715	106	88	N.D.		
82) o Xylene	10.253	106	31	N.D.		

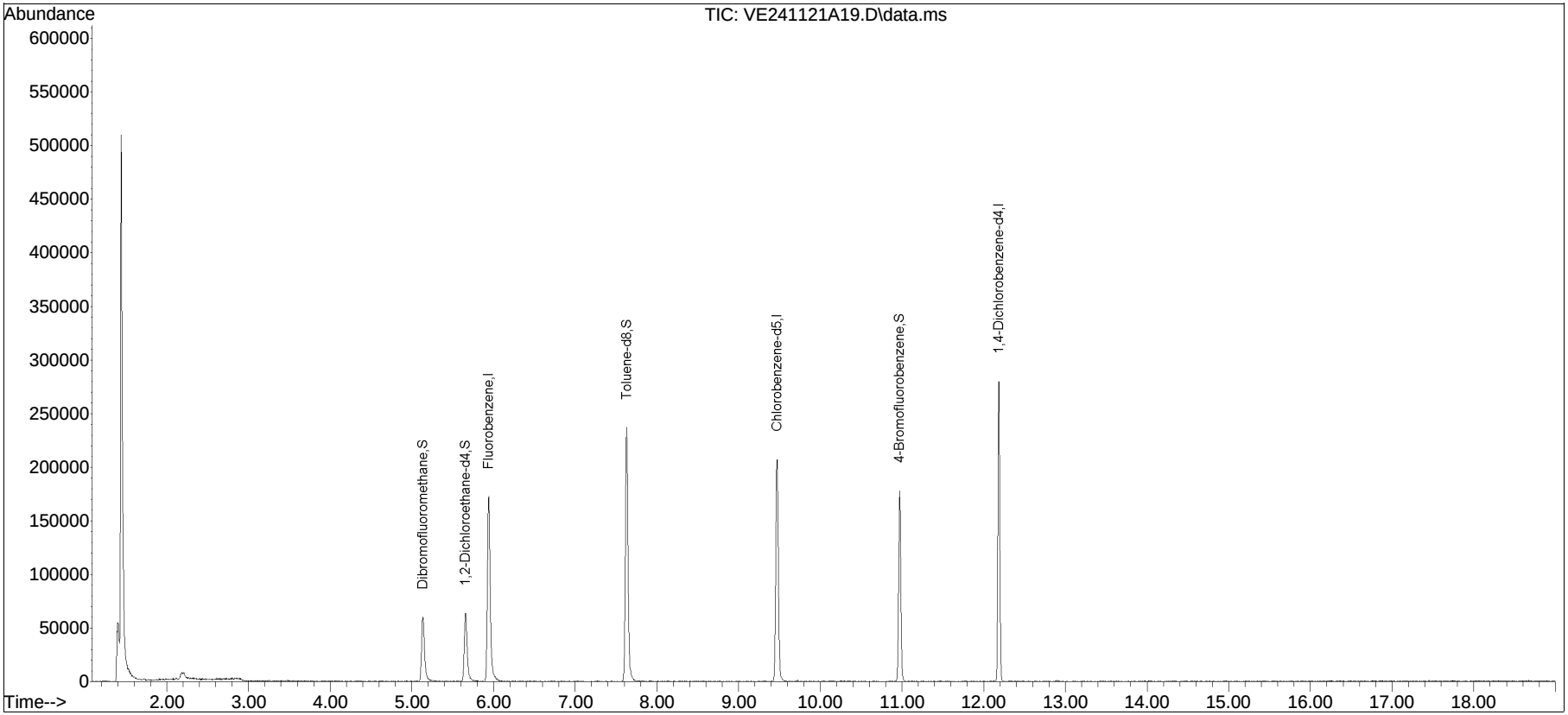
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A19.D
Acq On : 21 Nov 2024 3:54 pm
Operator : ELAINE:MJV
Sample : L2467254-03,31,10,10,,A
Misc : WG2000602,ICAL21711
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 07:26:37 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List41121A01.D•



Manual Integration Report

Data Path	: K:\Elaine\2024\241121A\	QMethod	: Elaine_241115A_8260.m
Data File	: VE241121A19.D	Operator	: ELAINE:MJV
Date Inj'd	: 11/21/2024 3:54 pm	Instrument	: Elaine
Sample	: L2467254-03,31,10,10,,A	Quant Date	: 11/22/2024 7:11 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N06.D
Acq On : 22 Nov 2024 12:49 am
Operator : VOA101:MKS
Sample : L2467254-02,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 09:55:39 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.935	96	219675	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 99.48%			
59) Chlorobenzene-d5	9.457	117	187807	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 96.09%			
79) 1,4-Dichlorobenzene-d4	12.179	152	105939	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 87.67%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.138	113	65603	11.386	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.86%			
43) 1,2-Dichloroethane-d4	5.659	65	58356	8.815	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.15%			
60) Toluene-d8	7.617	98	217397	9.652	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.52%			
83) 4-Bromofluorobenzene	10.966	95	77465	8.622	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.22%			
Target Compounds						Qvalue
41) Benzene	0.000		0	N.D.		
61) Toluene	7.681	92	33	N.D.		
74) Ethylbenzene	9.454	91	91	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		

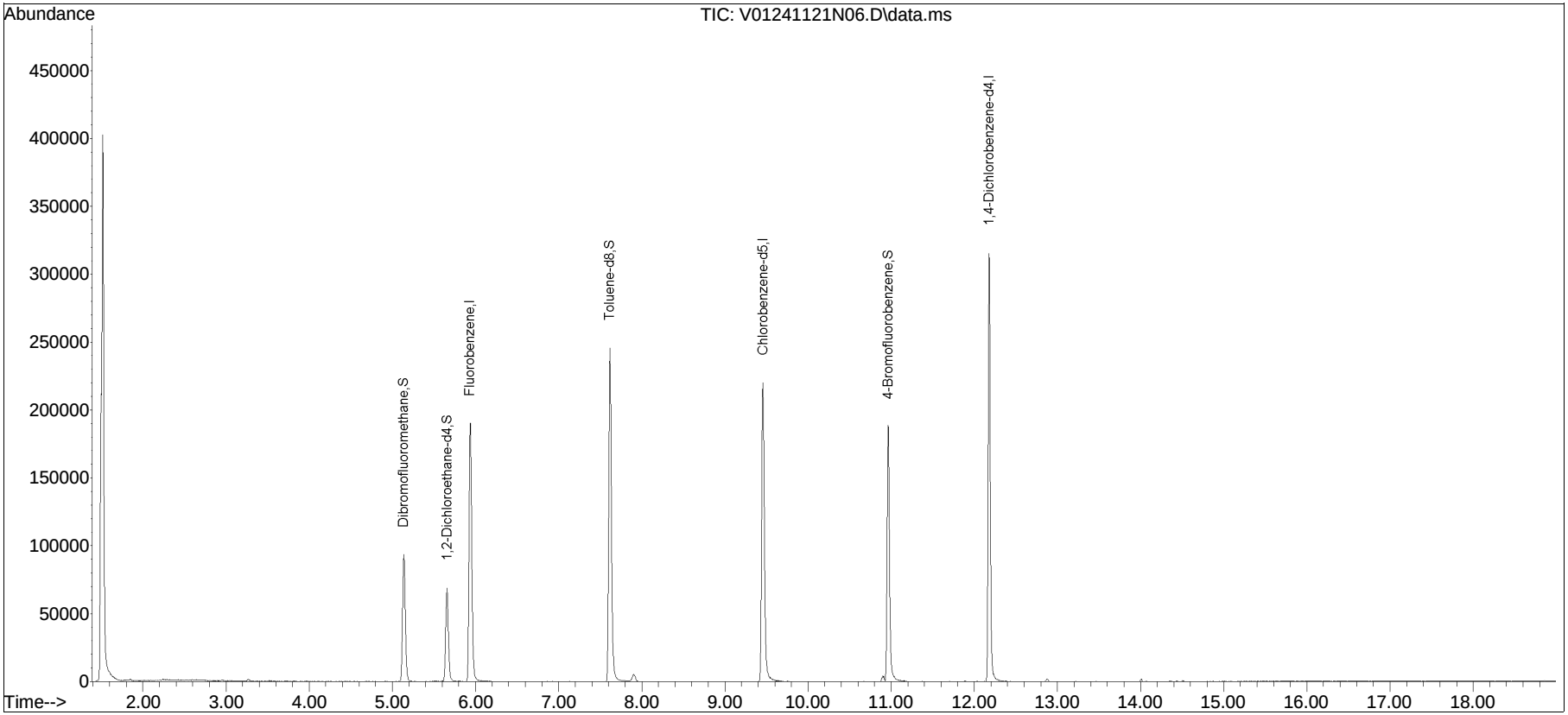
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N06.D
Acq On : 22 Nov 2024 12:49 am
Operator : VOA101:MKS
Sample : L2467254-02,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 09:55:39 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N06.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 12:49 am	Instrument	: VOA 101
Sample	: L2467254-02,31,10,10,,A	Quant Date	: 11/22/2024 9:55 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N07.D
Acq On : 22 Nov 2024 1:15 am
Operator : VOA101:MKS
Sample : L2467254-04,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 09:55:43 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	238236	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 107.88%			
59) Chlorobenzene-d5	9.457	117	202232	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 103.47%			
79) 1,4-Dichlorobenzene-d4	12.179	152	124453	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 102.99%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.138	113	68602	10.979	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.79%			
43) 1,2-Dichloroethane-d4	5.656	65	62113	8.652	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.52%			
60) Toluene-d8	7.620	98	230116	9.488	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.88%			
83) 4-Bromofluorobenzene	10.960	95	91225	8.643	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.43%			
Target Compounds						Qvalue
41) Benzene	5.525	78	328771	14.227	ug/L	98
61) Toluene	7.678	92	48781	3.012	ug/L	96
74) Ethylbenzene	9.516	91	93390	2.893	ug/L	95
76) p/m Xylene	9.705	106	35885	2.719	ug/L	89
77) o Xylene	10.244	106	99342	7.901	ug/L	90

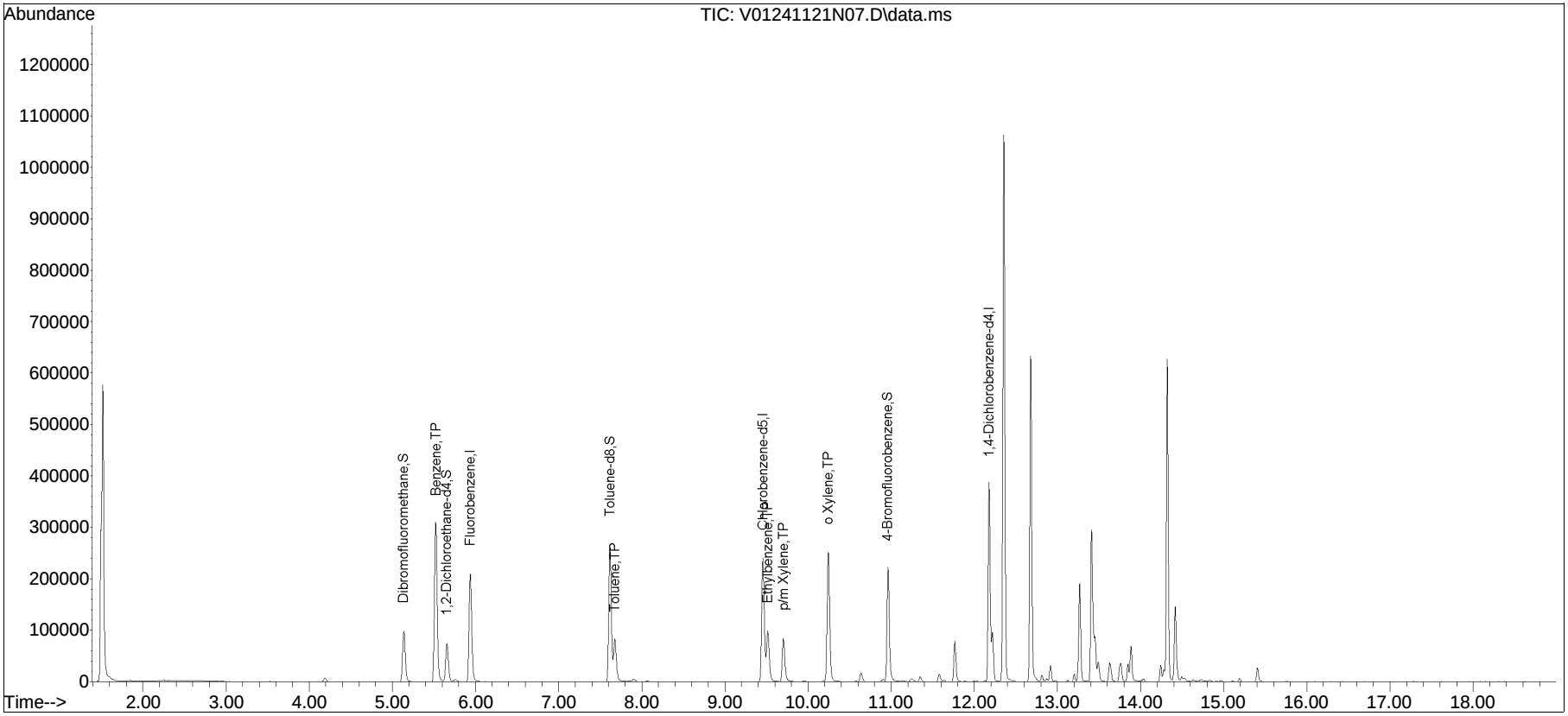
(#) = qualifier out of range (m) = manual integration (+) = signals summed

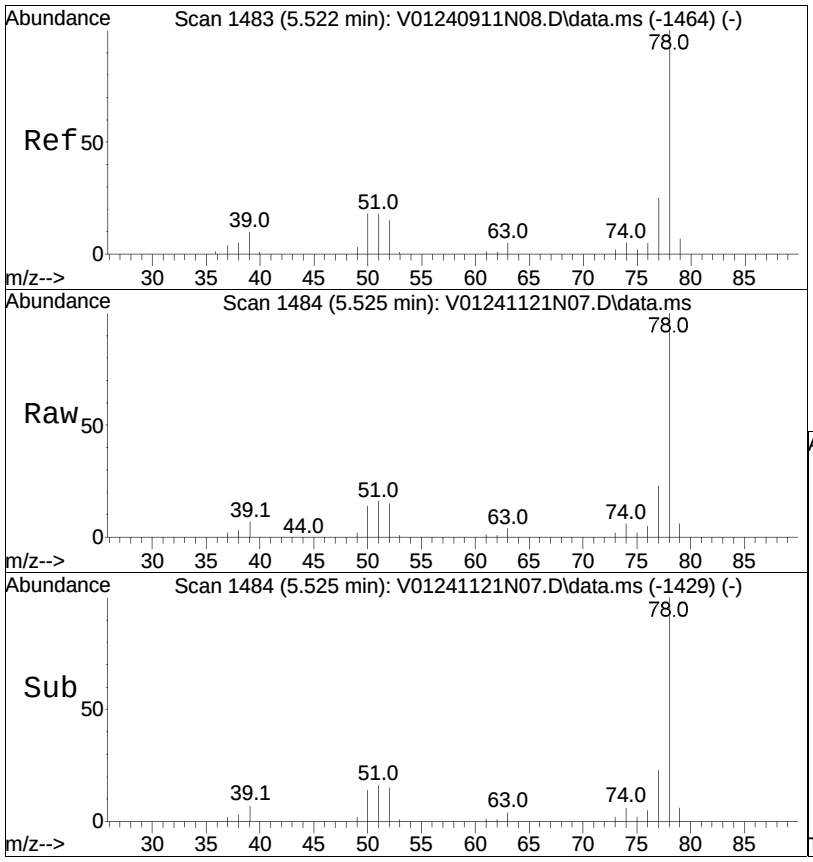
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N07.D
Acq On : 22 Nov 2024 1:15 am
Operator : VOA101:MKS
Sample : L2467254-04,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 09:55:43 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•

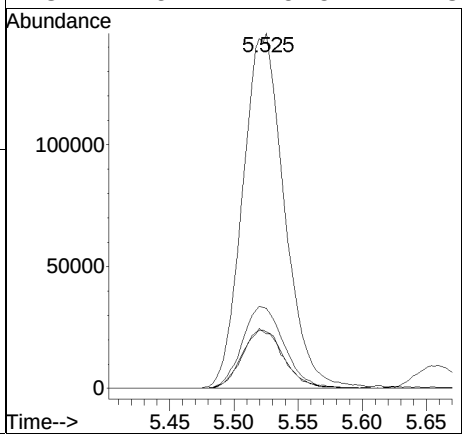


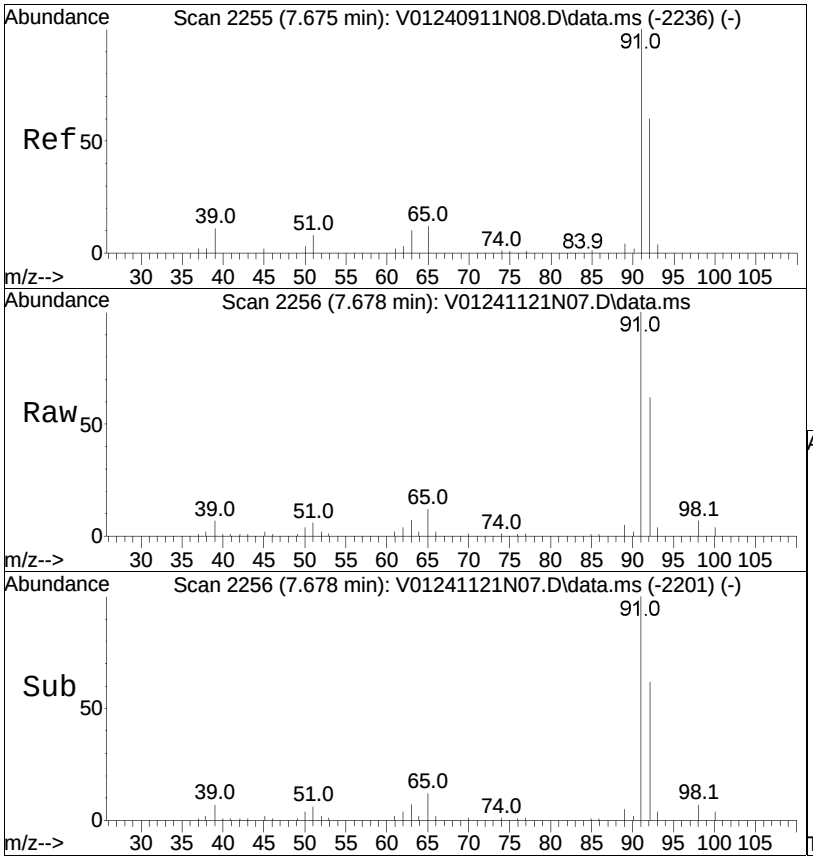


#41
Benzene
Concen: 14.23 ug/L
RT: 5.525 min Scan# 1484
Delta R.T. 0.003 min
Lab File: V01241121N07.D
Acq: 22 Nov 2024 1:15 am

Tgt Ion: 78 Resp: 328771

Ion	Ratio	Lower	Upper
78	100		
77	23.3	15.7	32.5
51	16.9	11.6	24.2
52	16.4	10.9	22.5

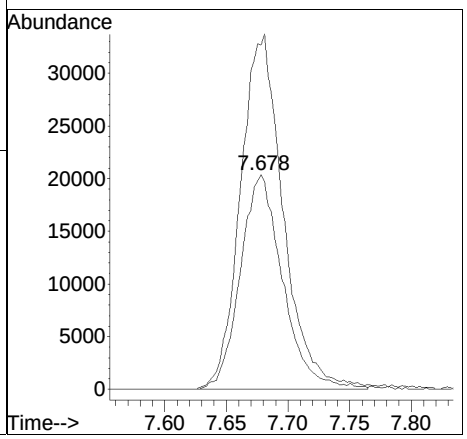


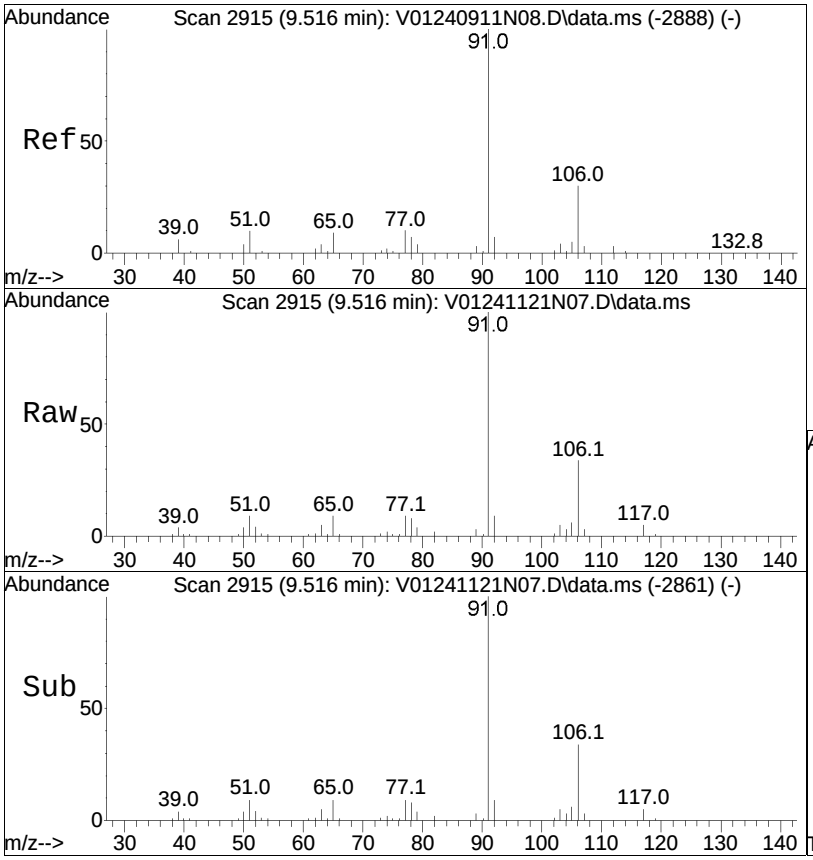


#61
Toluene
Concen: 3.01 ug/L
RT: 7.678 min Scan# 2256
Delta R.T. 0.003 min
Lab File: V01241121N07.D
Acq: 22 Nov 2024 1:15 am

Tgt Ion: 92 Resp: 48781

Ion	Ratio	Lower	Upper
92	100		
91	166.5	137.5	206.3

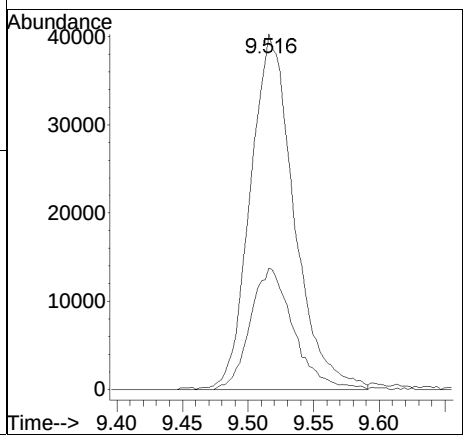


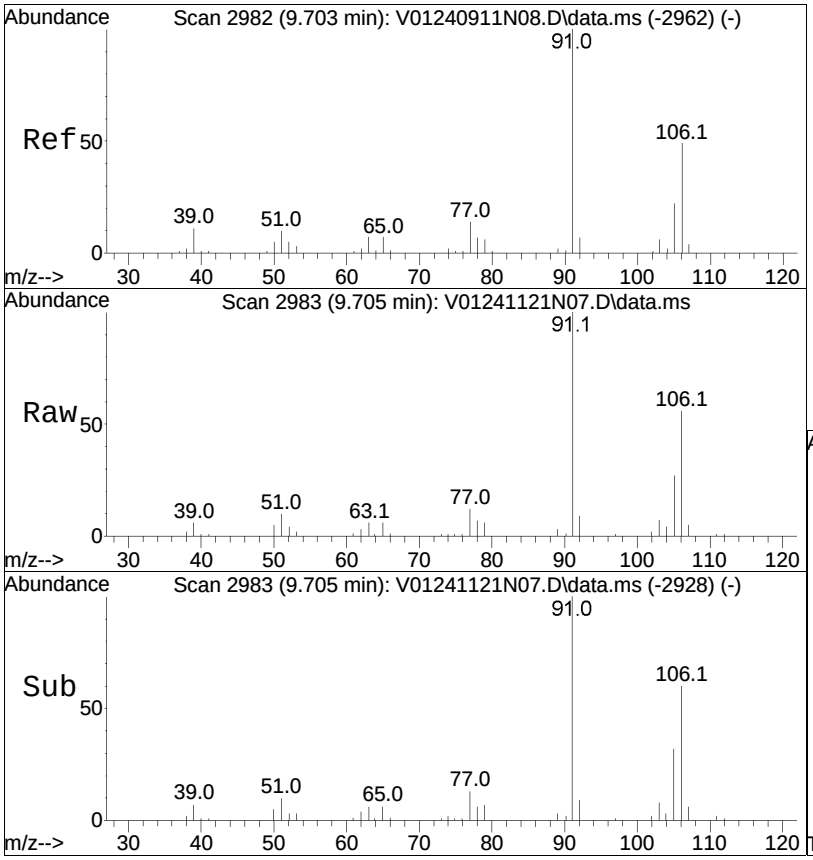


#74
Ethylbenzene
Concen: 2.89 ug/L
RT: 9.516 min Scan# 2915
Delta R.T. -0.000 min
Lab File: V01241121N07.D
Acq: 22 Nov 2024 1:15 am

Tgt Ion: 91 Resp: 93390

Ion	Ratio	Lower	Upper
91	100		
106	33.8	24.7	37.1

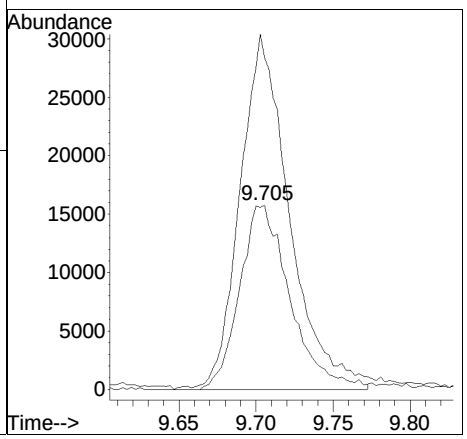


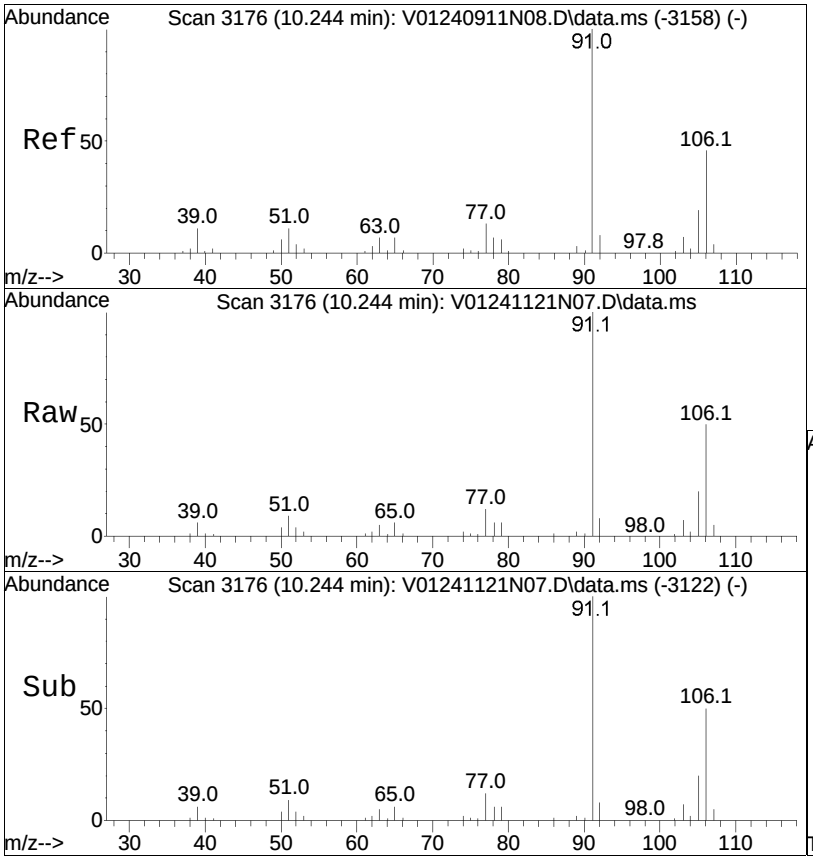


#76
p/m Xylene
Concen: 2.72 ug/L
RT: 9.705 min Scan# 2983
Delta R.T. 0.002 min
Lab File: V01241121N07.D
Acq: 22 Nov 2024 1:15 am

Tgt Ion:106 Resp: 35885

Ion	Ratio	Lower	Upper
106	100		
91	186.7	162.9	244.3

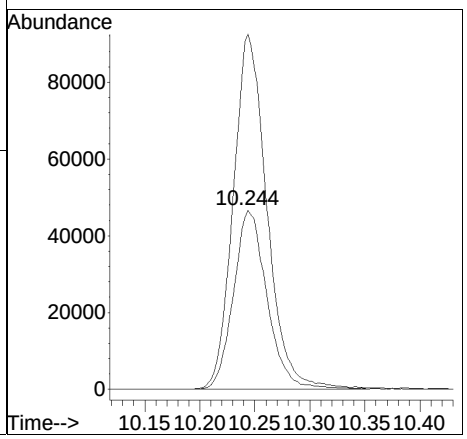




#77
o Xylene
Concen: 7.90 ug/L
RT: 10.244 min Scan# 3176
Delta R.T. -0.000 min
Lab File: V01241121N07.D
Acq: 22 Nov 2024 1:15 am

Tgt Ion:106 Resp: 99342

Ion	Ratio	Lower	Upper
106	100		
91	197.9	171.2	256.8



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N07.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 1:15 am	Instrument	: VOA 101
Sample	: L2467254-04,31,10,10,,A	Quant Date	: 11/22/2024 9:55 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N08.D
Acq On : 22 Nov 2024 1:42 am
Operator : VOA101:MKS
Sample : L2467254-05,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 09:55:47 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.941	96	223687	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 101.29%			
59) Chlorobenzene-d5	9.457	117	196671	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 100.63%			
79) 1,4-Dichlorobenzene-d4	12.176	152	113545	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 93.96%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.140	113	65937	11.239	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.39%			
43) 1,2-Dichloroethane-d4	5.656	65	60482	8.972	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.72%			
60) Toluene-d8	7.617	98	223903	9.493	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.93%			
83) 4-Bromofluorobenzene	10.966	95	82455	8.563	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.63%			
Target Compounds						Qvalue
41) Benzene	5.528	78	84	N.D.		
61) Toluene	7.675	92	29	N.D.		
74) Ethylbenzene	9.541	91	57	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		

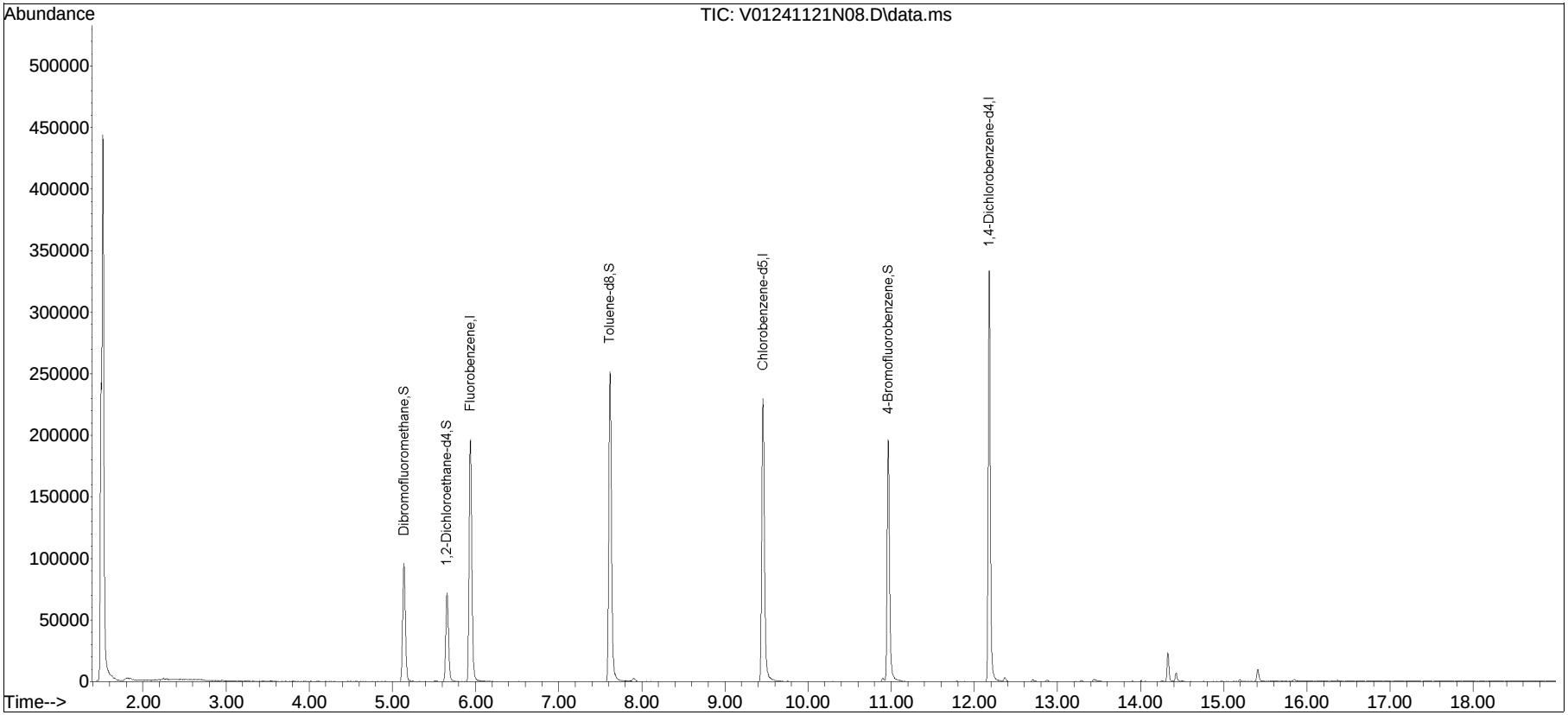
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N08.D
Acq On : 22 Nov 2024 1:42 am
Operator : VOA101:MKS
Sample : L2467254-05,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 09:55:47 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N08.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 1:42 am	Instrument	: VOA 101
Sample	: L2467254-05,31,10,10,,A	Quant Date	: 11/22/2024 9:55 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N09.D
Acq On : 22 Nov 2024 2:08 am
Operator : VOA101:MKS
Sample : L2467254-06,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 22 09:55:51 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.938	96	218644	10.000 ug/L	0.00
Standard Area 1 = 220828			Recovery = 99.01%		
59) Chlorobenzene-d5	9.457	117	190206	10.000 ug/L	0.00
Standard Area 1 = 195447			Recovery = 97.32%		
79) 1,4-Dichlorobenzene-d4	12.179	152	109210	10.000 ug/L	0.00
Standard Area 1 = 120841			Recovery = 90.37%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.138	113	65063	11.346 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.46%		
43) 1,2-Dichloroethane-d4	5.656	65	59444	9.022 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.22%		
60) Toluene-d8	7.620	98	216361	9.485 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.85%		
83) 4-Bromofluorobenzene	10.966	95	79191	8.550 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.50%		
Target Compounds					Qvalue
41) Benzene	0.000		0	N.D.	
61) Toluene	7.689	92	29	N.D.	
74) Ethylbenzene	9.466	91	32	N.D.	
76) p/m Xylene	0.000		0	N.D.	
77) o Xylene	0.000		0	N.D.	

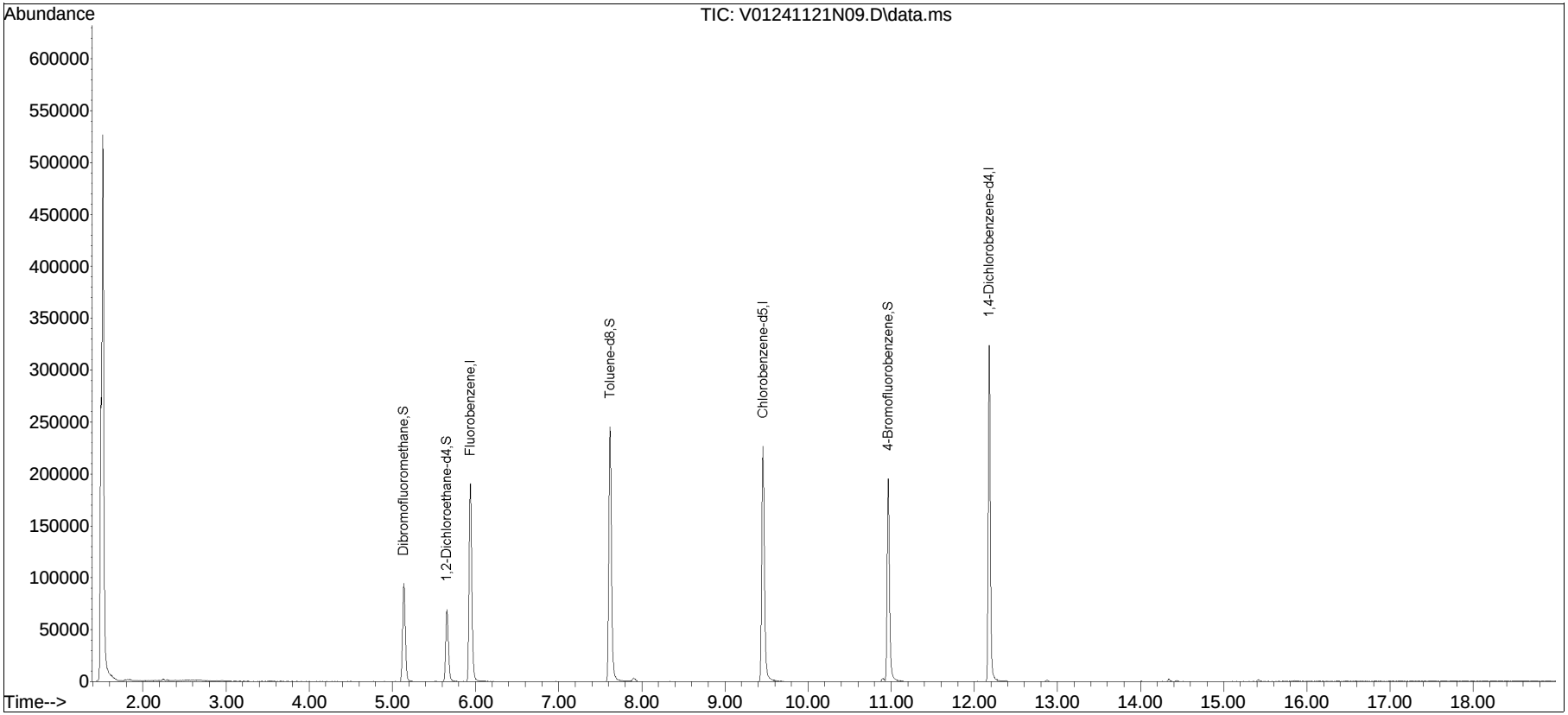
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N09.D
Acq On : 22 Nov 2024 2:08 am
Operator : VOA101:MKS
Sample : L2467254-06,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 22 09:55:51 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N09.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 2:08 am	Instrument	: VOA 101
Sample	: L2467254-06,31,10,10,,A	Quant Date	: 11/22/2024 9:55 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N10.D
Acq On : 22 Nov 2024 2:34 am
Operator : VOA101:MKS
Sample : L2467254-07,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 22 09:55:55 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.941	96	217872	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 98.66%			
59) Chlorobenzene-d5	9.457	117	188219	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 96.30%			
79) 1,4-Dichlorobenzene-d4	12.179	152	107723	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 89.14%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.140	113	64964	11.368	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.68%			
43) 1,2-Dichloroethane-d4	5.656	65	58878	8.968	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.68%			
60) Toluene-d8	7.619	98	215054	9.527	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.27%			
83) 4-Bromofluorobenzene	10.963	95	79041	8.652	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.52%			
Target Compounds						Qvalue
41) Benzene	0.000		0	N.D.		
61) Toluene	7.703	92	27	N.D.		
74) Ethylbenzene	9.474	91	36	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		

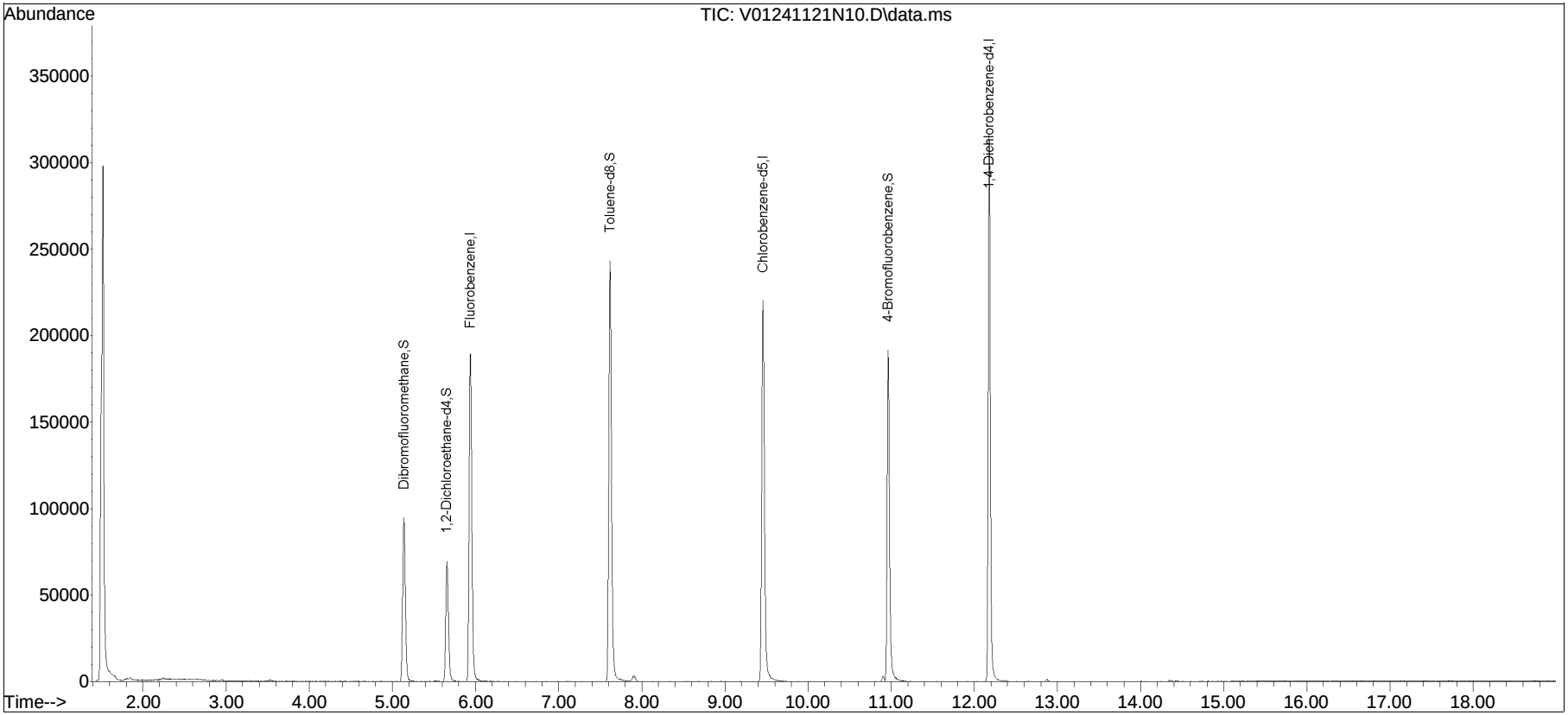
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N10.D
Acq On : 22 Nov 2024 2:34 am
Operator : VOA101:MKS
Sample : L2467254-07,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 22 09:55:55 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N10.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 2:34 am	Instrument	: VOA 101
Sample	: L2467254-07,31,10,10,,A	Quant Date	: 11/22/2024 9:55 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N11.D
Acq On : 22 Nov 2024 3:01 am
Operator : VOA101:MKS
Sample : L2467254-08,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 22 09:55:59 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	214915	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 97.32%			
59) Chlorobenzene-d5	9.454	117	187239	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 95.80%			
79) 1,4-Dichlorobenzene-d4	12.179	152	107500	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 88.96%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.140	113	65358	11.595	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.95%			
43) 1,2-Dichloroethane-d4	5.656	65	59697	9.217	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.17%			
60) Toluene-d8	7.617	98	213886	9.525	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.25%			
83) 4-Bromofluorobenzene	10.963	95	76787	8.422	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.22%			
Target Compounds						Qvalue
41) Benzene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
74) Ethylbenzene	9.457	91	152	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		

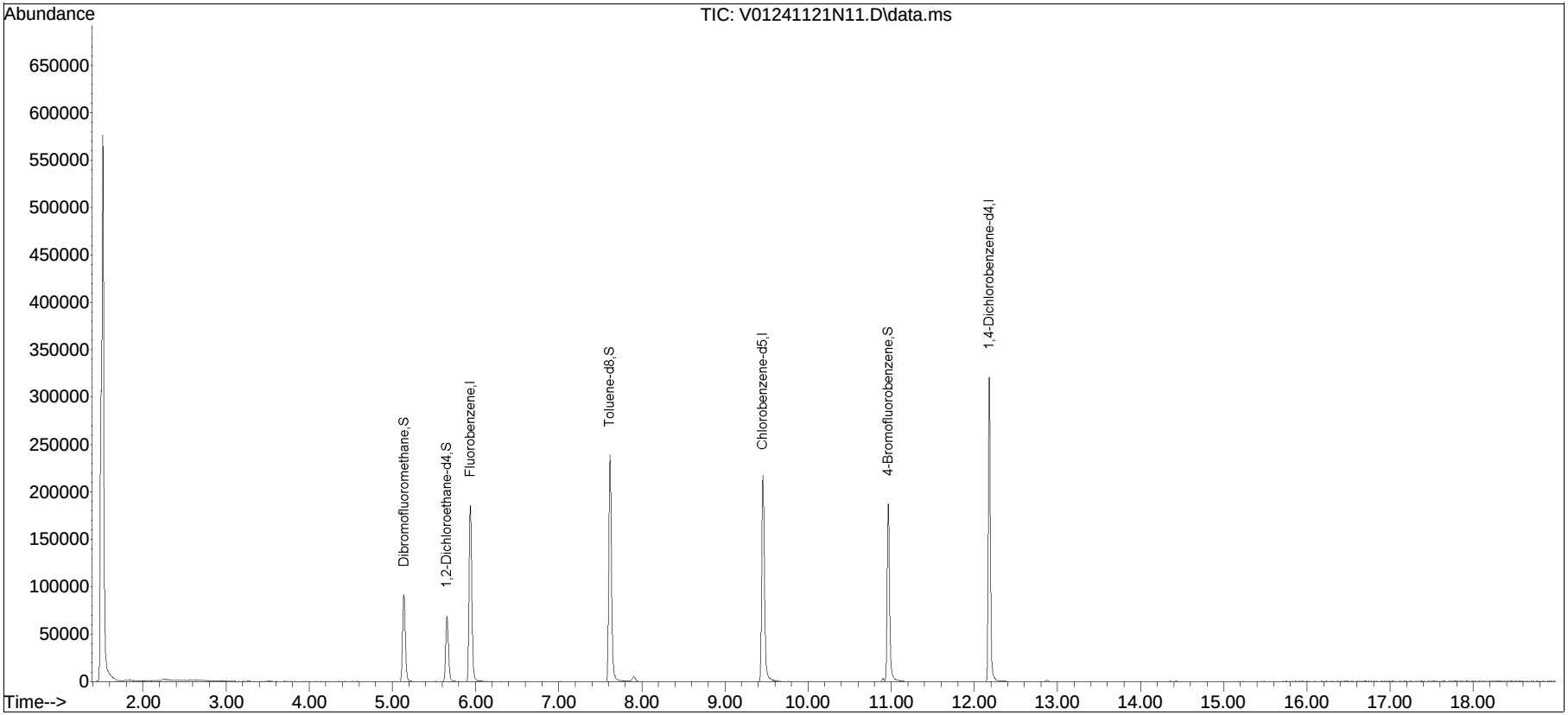
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N11.D
Acq On : 22 Nov 2024 3:01 am
Operator : VOA101:MKS
Sample : L2467254-08,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 22 09:55:59 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N11.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 3:01 am	Instrument	: VOA 101
Sample	: L2467254-08,31,10,10,,A	Quant Date	: 11/22/2024 9:55 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N12.D
Acq On : 22 Nov 2024 3:27 am
Operator : VOA101:MKS
Sample : L2467254-09,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 22 09:56:03 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.941	96	210751	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 95.44%			
59) Chlorobenzene-d5	9.457	117	182191	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 93.22%			
79) 1,4-Dichlorobenzene-d4	12.179	152	104444	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 86.43%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.140	113	63554	11.498	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.98%			
43) 1,2-Dichloroethane-d4	5.656	65	58255	9.173	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.73%			
60) Toluene-d8	7.617	98	208983	9.565	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.65%			
83) 4-Bromofluorobenzene	10.966	95	75470	8.520	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.20%			
Target Compounds						Qvalue
41) Benzene	0.000		0	N.D.		
61) Toluene	7.689	92	32	N.D.		
74) Ethylbenzene	9.454	91	39	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		

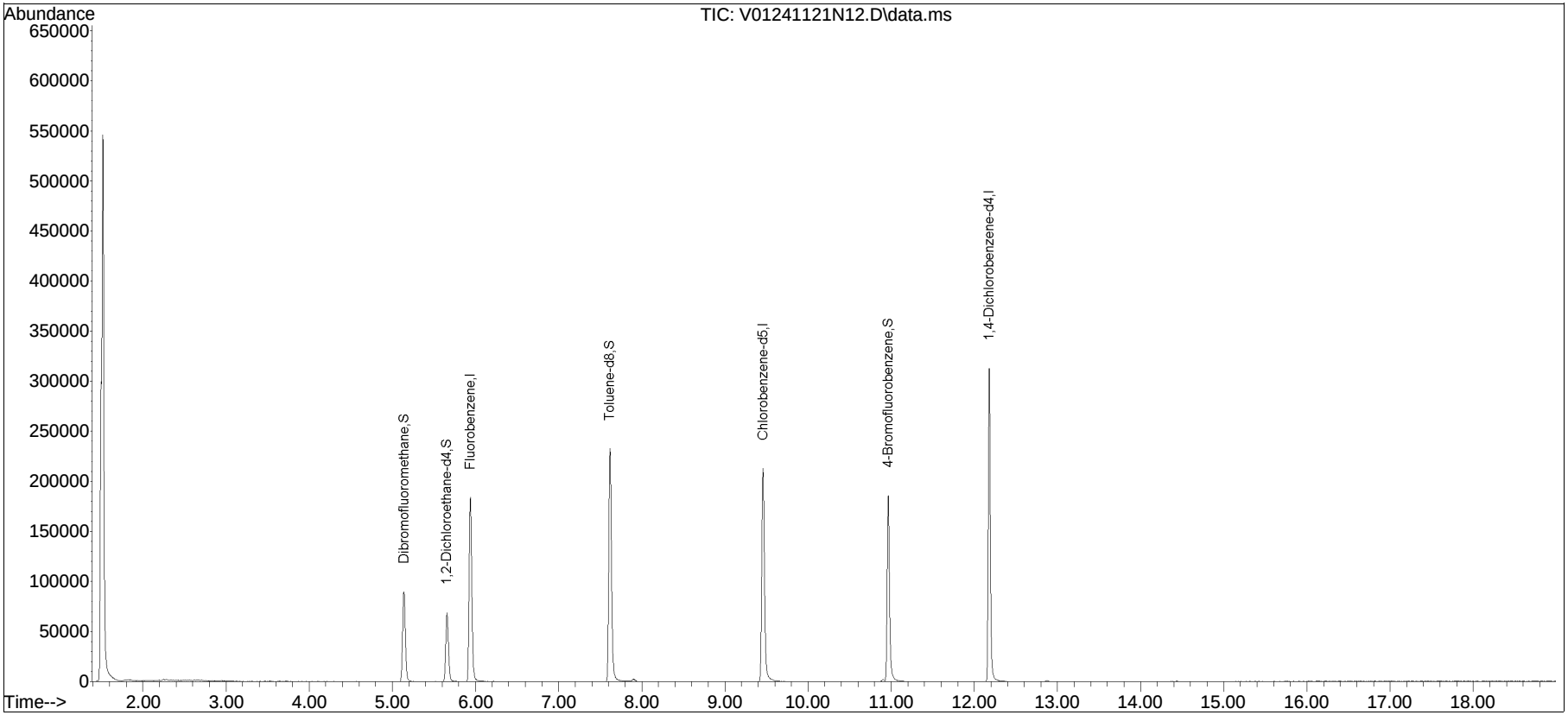
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N12.D
Acq On : 22 Nov 2024 3:27 am
Operator : VOA101:MKS
Sample : L2467254-09,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 22 09:56:03 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N12.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 3:27 am	Instrument	: VOA 101
Sample	: L2467254-09,31,10,10,,A	Quant Date	: 11/22/2024 9:56 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N13.D
Acq On : 22 Nov 2024 3:53 am
Operator : VOA101:MKS
Sample : L2467254-10,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 22 09:56:07 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	206786	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 93.64%			
59) Chlorobenzene-d5	9.457	117	180854	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 92.53%			
79) 1,4-Dichlorobenzene-d4	12.179	152	104308	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 86.32%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.138	113	64215	11.840	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 118.40%			
43) 1,2-Dichloroethane-d4	5.656	65	58153	9.332	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.32%			
60) Toluene-d8	7.617	98	208420	9.610	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.10%			
83) 4-Bromofluorobenzene	10.963	95	75907	8.581	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.81%			
Target Compounds						Qvalue
41) Benzene	0.000		0	N.D.		
61) Toluene	7.675	92	26	N.D.		
74) Ethylbenzene	9.452	91	56	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		

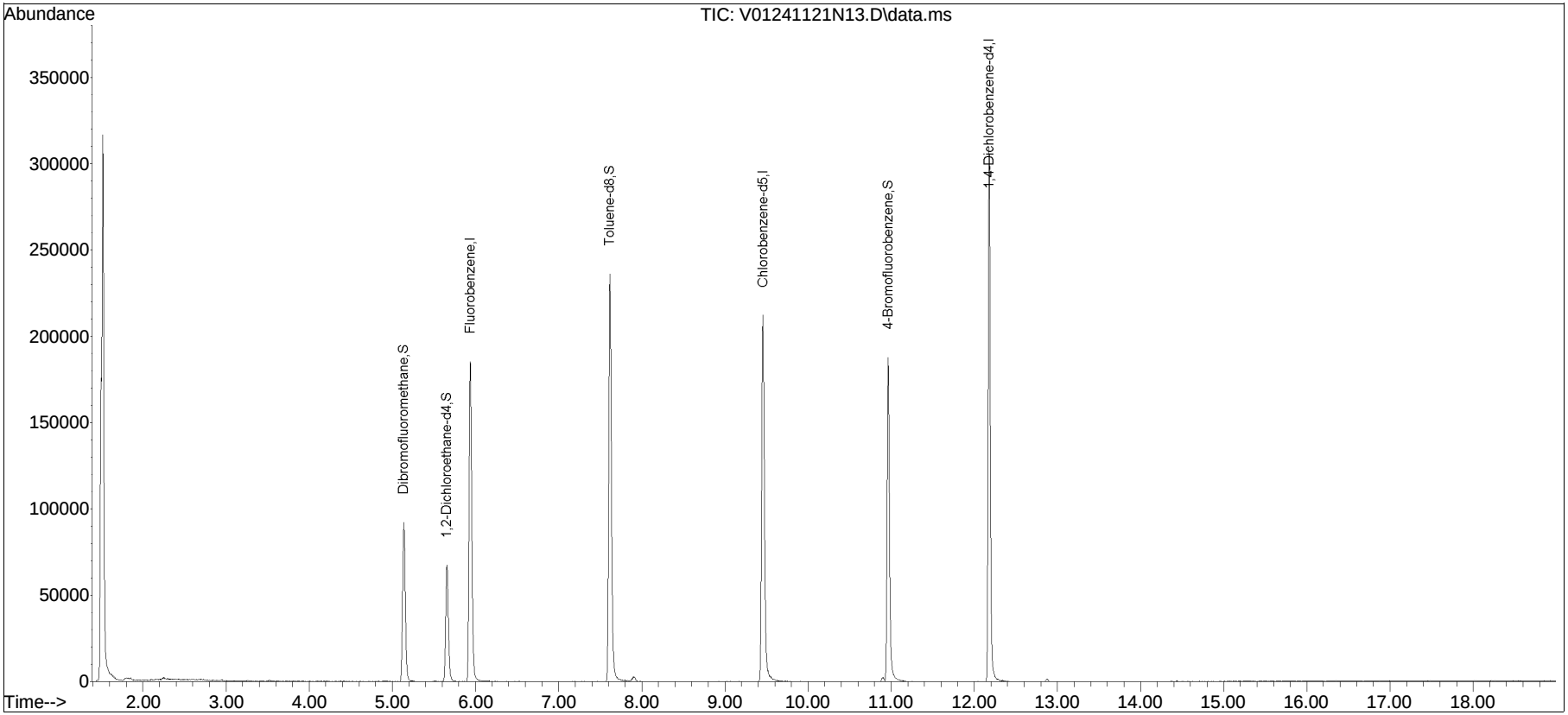
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N13.D
Acq On : 22 Nov 2024 3:53 am
Operator : VOA101:MKS
Sample : L2467254-10,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 22 09:56:07 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N13.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 3:53 am	Instrument	: VOA 101
Sample	: L2467254-10,31,10,10,,A	Quant Date	: 11/22/2024 9:56 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N14.D
Acq On : 22 Nov 2024 4:19 am
Operator : VOA101:MKS
Sample : L2467254-11,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 22 09:56:11 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	206895	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 93.69%			
59) Chlorobenzene-d5	9.457	117	179881	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 92.04%			
79) 1,4-Dichlorobenzene-d4	12.179	152	103373	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 85.54%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.140	113	63879	11.772	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.72%			
43) 1,2-Dichloroethane-d4	5.656	65	56681	9.091	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.91%			
60) Toluene-d8	7.619	98	207081	9.599	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.99%			
83) 4-Bromofluorobenzene	10.966	95	74577	8.507	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.07%			
Target Compounds						Qvalue
41) Benzene	0.000		0	N.D.		
61) Toluene	7.689	92	57	N.D.		
74) Ethylbenzene	9.471	91	64	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		

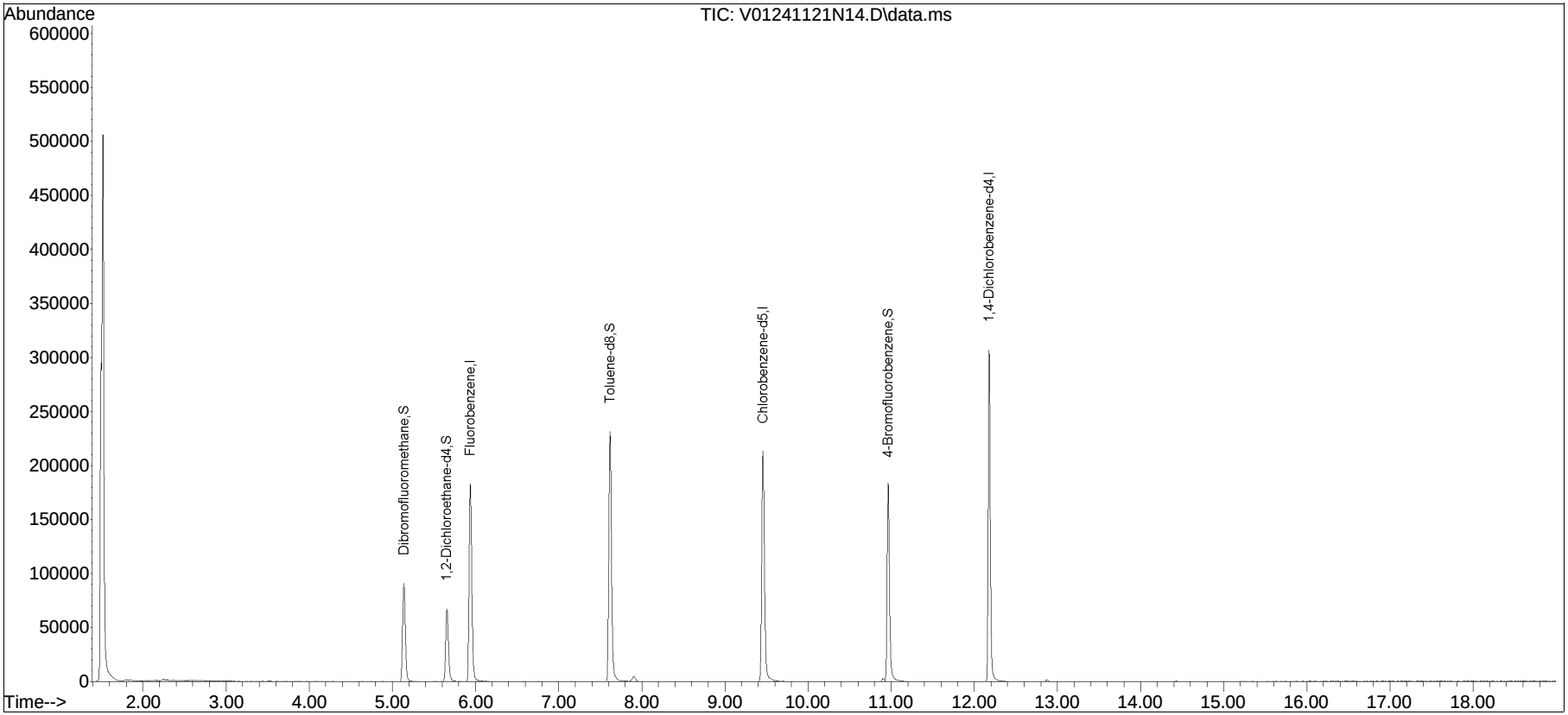
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N14.D
Acq On : 22 Nov 2024 4:19 am
Operator : VOA101:MKS
Sample : L2467254-11,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 22 09:56:11 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N14.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 4:19 am	Instrument	: VOA 101
Sample	: L2467254-11,31,10,10,,A	Quant Date	: 11/22/2024 9:56 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N15.D
Acq On : 22 Nov 2024 4:46 am
Operator : VOA101:MKS
Sample : L2467254-12,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 22 09:56:15 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.938	96	208825	10.000 ug/L	0.00
Standard Area 1 = 220828			Recovery = 94.56%		
59) Chlorobenzene-d5	9.457	117	181989	10.000 ug/L	0.00
Standard Area 1 = 195447			Recovery = 93.11%		
79) 1,4-Dichlorobenzene-d4	12.179	152	104500	10.000 ug/L	0.00
Standard Area 1 = 120841			Recovery = 86.48%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.138	113	64027	11.690 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 116.90%		
43) 1,2-Dichloroethane-d4	5.654	65	59202	9.408 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.08%		
60) Toluene-d8	7.620	98	205715	9.426 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.26%		
83) 4-Bromofluorobenzene	10.963	95	74317	8.385 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.85%		
Target Compounds					Qvalue
41) Benzene	0.000		0	N.D.	
61) Toluene	0.000		0	N.D.	
74) Ethylbenzene	9.446	91	56	N.D.	
76) p/m Xylene	0.000		0	N.D.	
77) o Xylene	0.000		0	N.D.	

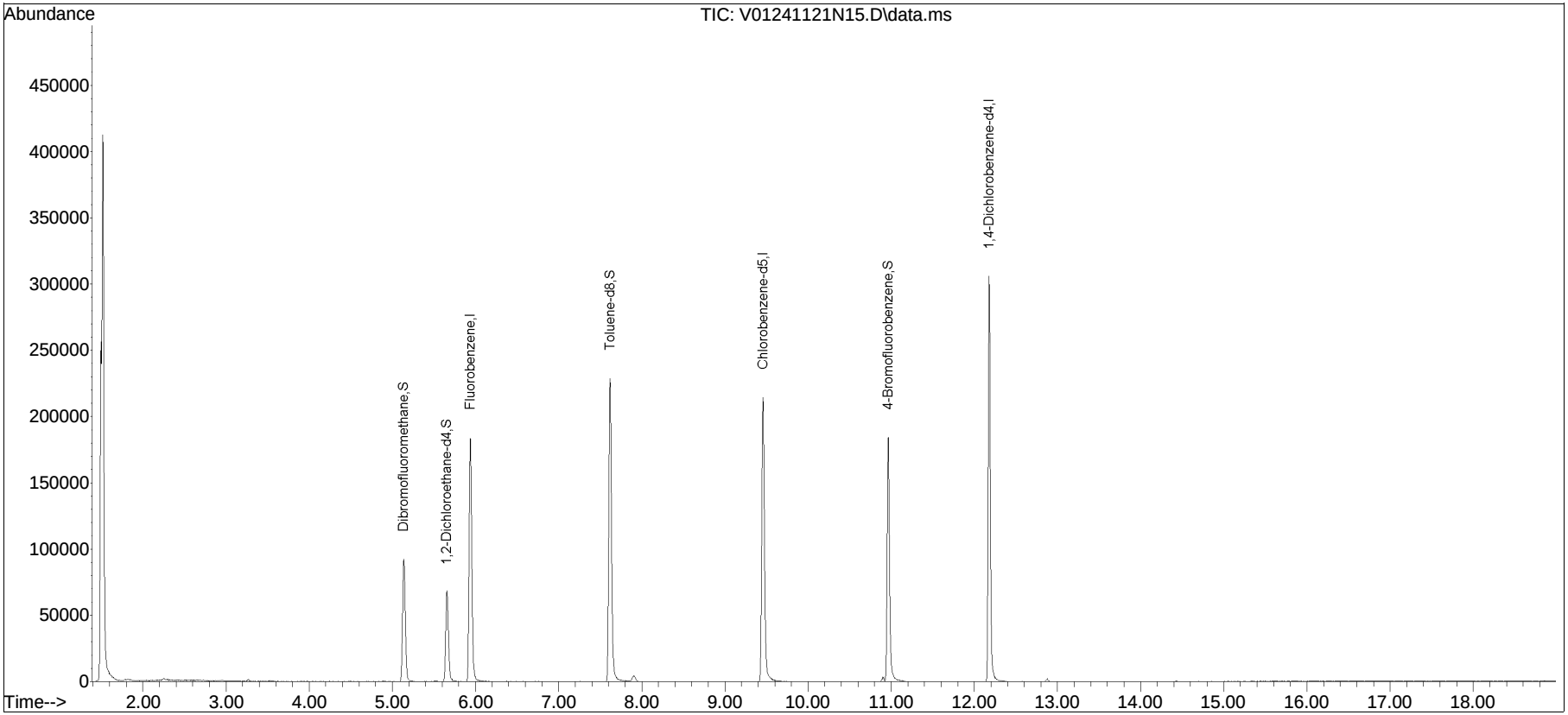
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N15.D
Acq On : 22 Nov 2024 4:46 am
Operator : VOA101:MKS
Sample : L2467254-12,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 22 09:56:15 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N15.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 4:46 am	Instrument	: VOA 101
Sample	: L2467254-12,31,10,10,,A	Quant Date	: 11/22/2024 9:56 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N16.D
Acq On : 22 Nov 2024 5:12 am
Operator : VOA101:MKS
Sample : L2467254-13,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 22 09:56:19 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.941	96	206806	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 93.65%			
59) Chlorobenzene-d5	9.457	117	180709	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 92.46%			
79) 1,4-Dichlorobenzene-d4	12.179	152	106196	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 87.88%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.140	113	63901	11.781	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.81%			
43) 1,2-Dichloroethane-d4	5.653	65	57081	9.159	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.59%			
60) Toluene-d8	7.619	98	206585	9.533	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.33%			
83) 4-Bromofluorobenzene	10.960	95	73680	8.181	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 81.81%			
Target Compounds						Qvalue
41) Benzene	5.531	78	29	N.D.		
61) Toluene	7.681	92	512	N.D.		
74) Ethylbenzene	9.532	91	31	N.D.		
76) p/m Xylene	9.719	106	352	N.D.		
77) o Xylene	10.280	106	194	N.D.		

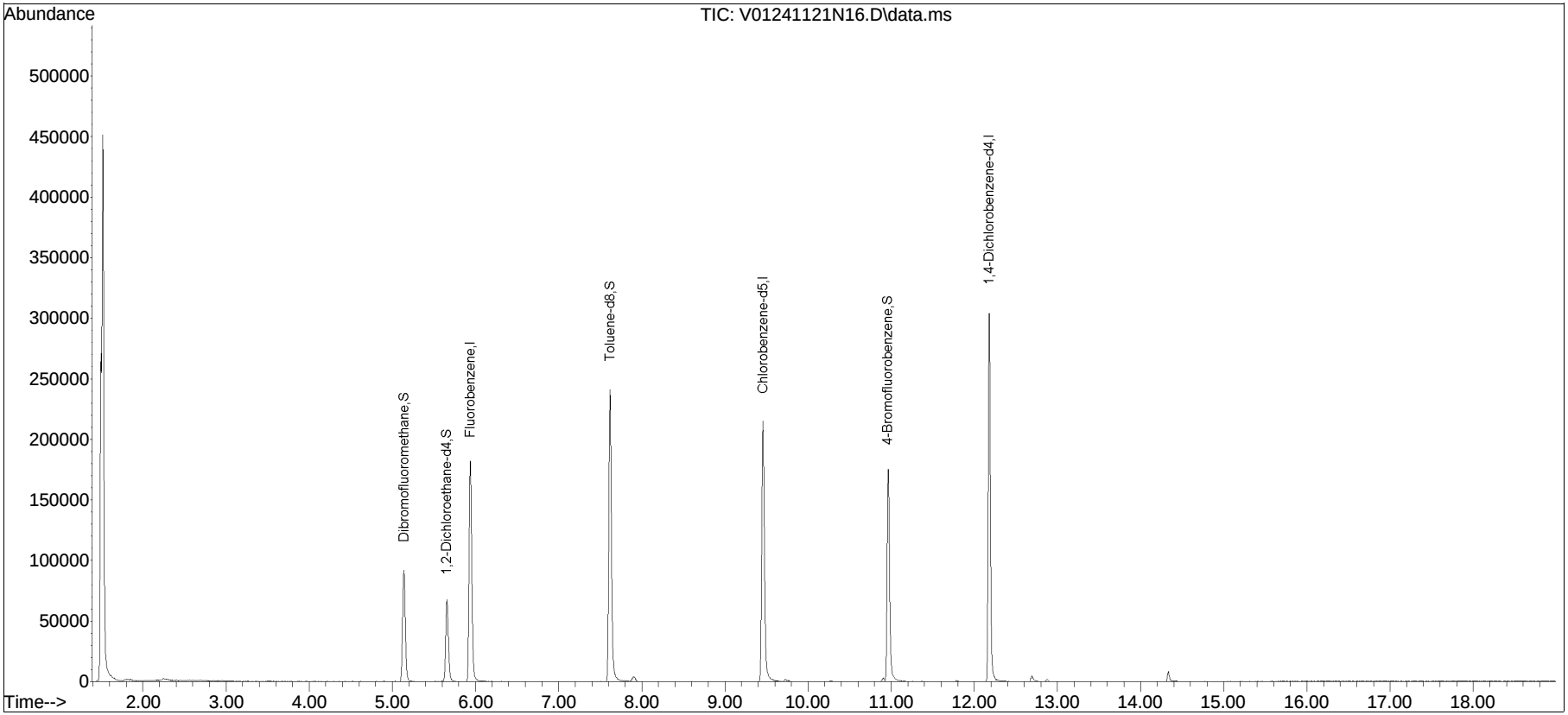
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N16.D
Acq On : 22 Nov 2024 5:12 am
Operator : VOA101:MKS
Sample : L2467254-13,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 22 09:56:19 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N16.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 5:12 am	Instrument	: VOA 101
Sample	: L2467254-13,31,10,10,,A	Quant Date	: 11/22/2024 9:56 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N17.D
Acq On : 22 Nov 2024 5:38 am
Operator : VOA101:MKS
Sample : L2467254-14,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 22 09:56:23 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.941	96	205294	10.000 ug/L	0.00
Standard Area 1 = 220828			Recovery = 92.97%		
59) Chlorobenzene-d5	9.454	117	180641	10.000 ug/L	0.00
Standard Area 1 = 195447			Recovery = 92.42%		
79) 1,4-Dichlorobenzene-d4	12.179	152	103504	10.000 ug/L	0.00
Standard Area 1 = 120841			Recovery = 85.65%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.138	113	63630	11.817 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 118.17%		
43) 1,2-Dichloroethane-d4	5.659	65	58041	9.382 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.82%		
60) Toluene-d8	7.620	98	206314	9.524 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.24%		
83) 4-Bromofluorobenzene	10.966	95	75044	8.549 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.49%		
Target Compounds					Qvalue
41) Benzene	0.000		0	N.D.	
61) Toluene	7.675	92	26	N.D.	
74) Ethylbenzene	9.468	91	29	N.D.	
76) p/m Xylene	0.000		0	N.D.	
77) o Xylene	0.000		0	N.D.	

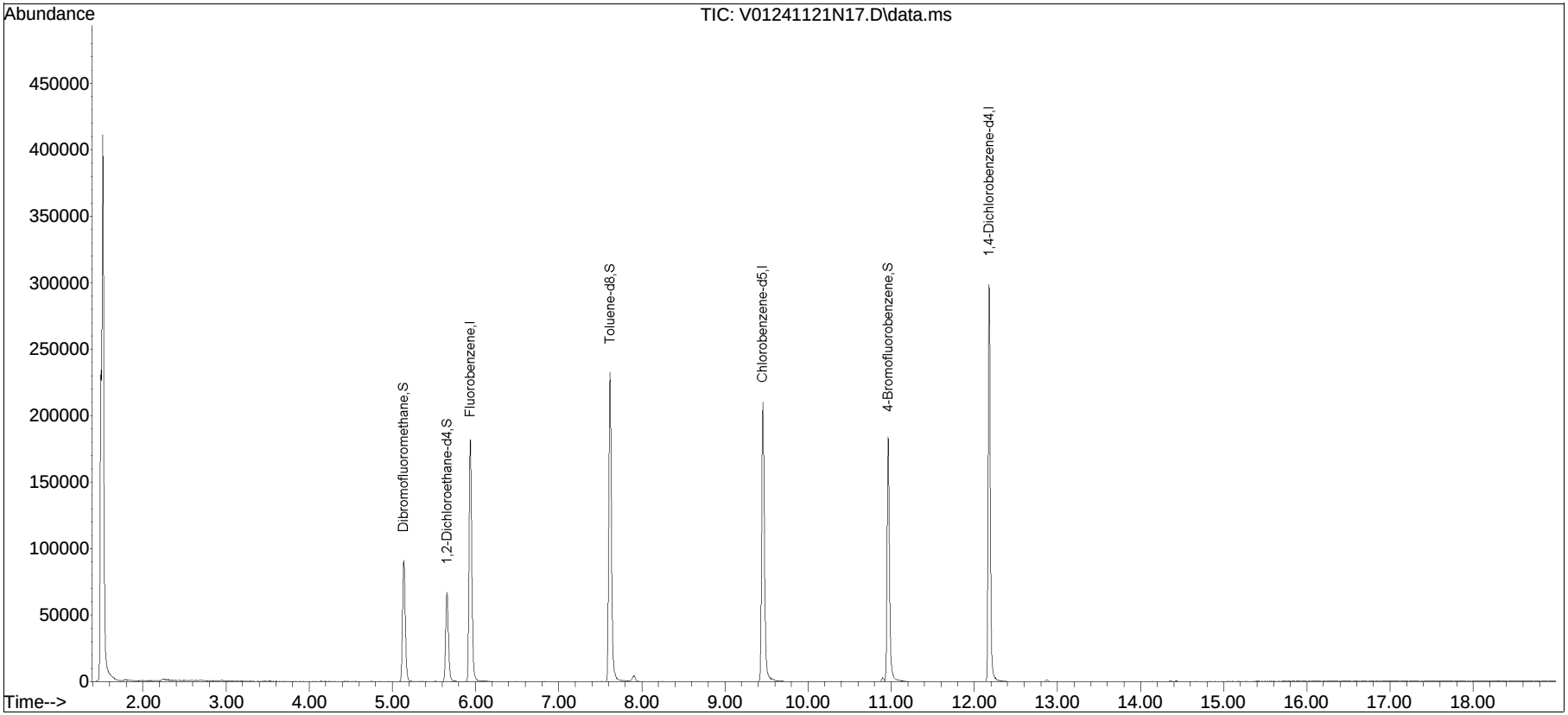
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N17.D
Acq On : 22 Nov 2024 5:38 am
Operator : VOA101:MKS
Sample : L2467254-14,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 22 09:56:23 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N17.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 5:38 am	Instrument	: VOA 101
Sample	: L2467254-14,31,10,10,,A	Quant Date	: 11/22/2024 9:56 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N18.D
Acq On : 22 Nov 2024 6:05 am
Operator : VOA101:MKS
Sample : L2467254-15,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 22 09:56:27 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	202389	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 91.65%			
59) Chlorobenzene-d5	9.454	117	179320	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 91.75%			
79) 1,4-Dichlorobenzene-d4	12.179	152	103238	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 85.43%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.140	113	63365	11.937	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 119.37%			
43) 1,2-Dichloroethane-d4	5.659	65	57624	9.448	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.48%			
60) Toluene-d8	7.617	98	203918	9.482	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.82%			
83) 4-Bromofluorobenzene	10.963	95	72977	8.335	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 83.35%			
Target Compounds						Qvalue
41) Benzene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
74) Ethylbenzene	9.449	91	28	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		

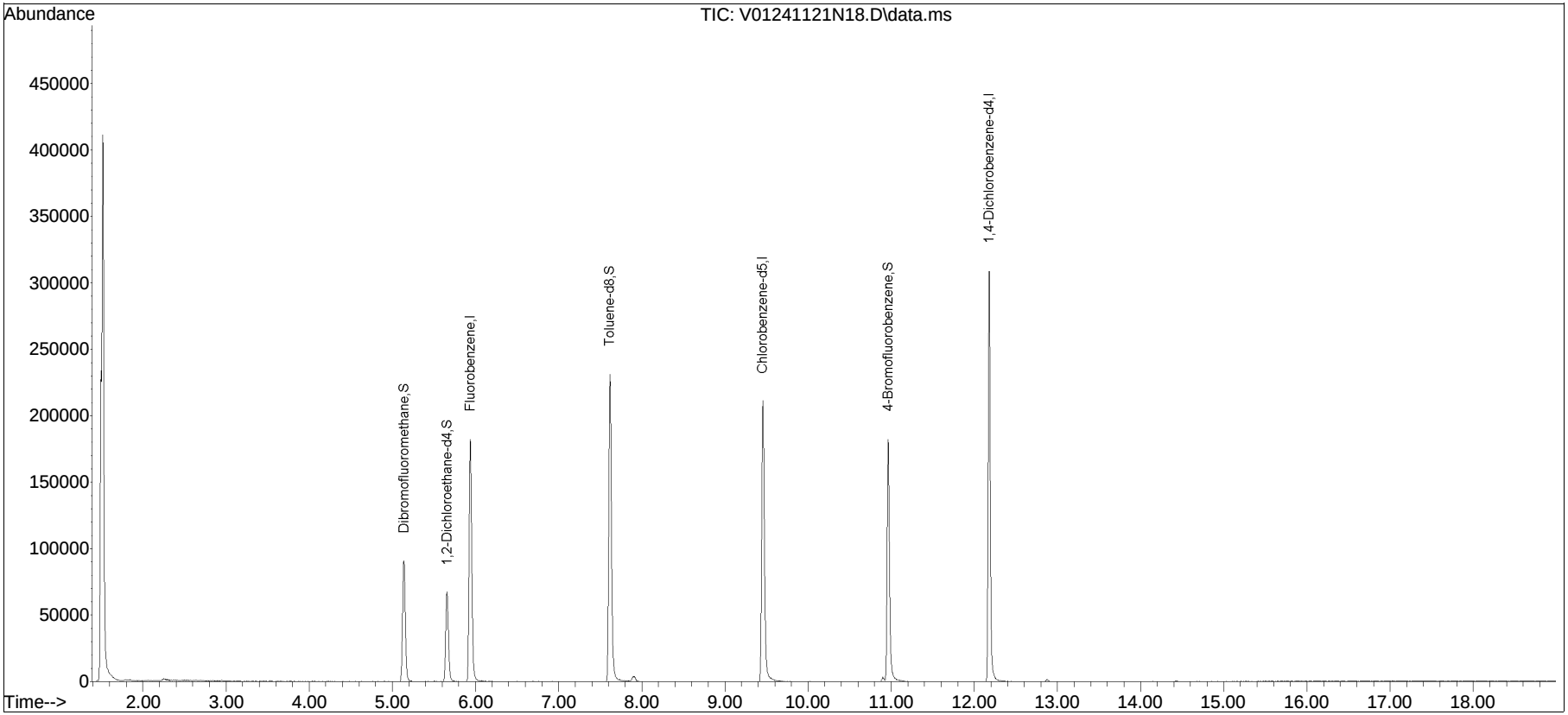
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N18.D
Acq On : 22 Nov 2024 6:05 am
Operator : VOA101:MKS
Sample : L2467254-15,31,10,10,,A
Misc : WG2001016,ICAL21487
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 22 09:56:27 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N18.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 6:05 am	Instrument	: VOA 101
Sample	: L2467254-15,31,10,10,,A	Quant Date	: 11/22/2024 9:56 am

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Arcadis of New York, Inc.**	**Lab Number**	**: L2467254**
Project Name	**: NYSEG-GOSHEN FORMER MGP SITE**	**Project Number**	**: 30113059**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL21487**
Calibration dates	**: 09/11/24 23:43 09/12/24 03:37**		

Calibration Files

L11 =V01240911N03.D L1 =V01240911N06.D L2 =V01240911N07.D L3 =V01240911N08.D L4 =V01240911N09.D

L6 =V01240911N10.D L8 =V01240911N11.D L10 =V01240911N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.218	0.291	0.250	0.272	0.283	0.277	0.290	0.269	9.76
3)	TP	Chloromethane		0.314	0.335	0.237	0.248	0.256	0.247	0.261	0.271	13.92
4)	TP	Vinyl chloride	0.335	0.349	0.408	0.333	0.354	0.353	0.341	0.366	0.355	6.79
5)	TP	Bromomethane		0.213	0.241	0.225	0.264	0.299	0.301	0.332	0.268	16.59
6)	TP	Chloroethane		0.567	0.497	0.357	0.359	0.353	0.323		*L	0.9973
7)	TP	Trichlorofluor		0.733	0.916	0.794	0.841	0.833	0.788	0.801	0.815	6.97
8)	TP	Ethyl ether		0.219	0.231	0.209	0.206	0.209	0.201	0.198	0.210	5.34
10)	TP	1,1-Dichloroet		0.191	0.213	0.214	0.214	0.253	0.228		0.219	9.48
11)	TP	Carbon disulfide		0.686	0.619	0.570	0.604	0.672	0.702	0.851	0.672	13.72
12)	TP	Freon-113		0.178	0.231	0.207	0.227	0.247	0.255	0.312	0.237	17.79
13)	TP	Iodomethane			0.242	0.274	0.325	0.351	0.351	0.375	0.320	16.02
14)	TP	Acrolein			0.014	0.017	0.019	0.022	0.022	0.023	0.020	17.50
15)	TP	Methylene chlo		0.275	0.247	0.217	0.229	0.241	0.236	0.251	0.242	7.53
17)	TP	Acetone			0.063	0.044	0.038	0.038	0.038	0.037	*L	0.9997
18)	TP	trans-1,2-Dich		0.207	0.240	0.216	0.236	0.249	0.250	0.275	0.239	9.40
19)	TP	Methyl acetate		0.107	0.108	0.085	0.088	0.101	0.098	0.097	0.098	9.02
20)	TP	Methyl tert butyl ether		0.487	0.532	0.509	0.539	0.590	0.589	0.609	0.551	8.39
21)	TP	tert-Butyl alc			0.009	0.010	0.010	0.012	0.012	0.012	0.011	11.65
22)	TP	Diisopropyl ether		0.619	0.710	0.678	0.720	0.764	0.746	0.785	0.717	7.79
23)	TP	1,1-Dichloroet		0.368	0.450	0.407	0.438	0.459	0.447	0.469	0.434	8.06
24)	TP	Halothane		0.145	0.171	0.167	0.184	0.194	0.192	0.210	0.181	11.92
25)	TP	Acrylonitrile			0.040	0.042	0.045	0.050	0.050	0.051	0.046	10.15
26)	TP	Ethyl tert-but		0.518	0.580	0.564	0.608	0.656	0.648	0.690	0.609	9.82
27)	TP	Vinyl acetate		0.292	0.320	0.301	0.307	0.360	0.352	0.379	0.330	10.09
28)	TP	cis-1,2-Dichlo		0.226	0.262	0.254	0.272	0.283	0.276	0.297	0.267	8.56
29)	TP	2,2-Dichloropr		0.260	0.323	0.311	0.351	0.365	0.350	0.371	0.333	11.61
30)	TP	Bromochloromet		0.105	0.118	0.116	0.122	0.125	0.124	0.135	0.121	7.59
31)	TP	Cyclohexane		0.297	0.399	0.358	0.416	0.437	0.435	0.474	0.402	14.56
32)	TP	Chloroform		0.376	0.457	0.424	0.452	0.467	0.453	0.485	0.445	7.96
33)	TP	Ethyl acetate			0.125	0.124	0.136	0.149	0.145	0.147	0.138	8.00
34)	TP	Carbon tetrachloride		0.258	0.336	0.316	0.373	0.393	0.387	0.424	0.355	15.74
35)	TP	Tetrahydrofuran			0.039	0.043	0.043	0.043	0.041	0.043	0.042	3.98
36)	S	Dibromofluoromethane	0.252	0.249	0.256	0.258	0.263	0.263	0.275	0.280	0.262	4.15
37)	TP	1,1,1-Trichlor		0.322	0.411	0.370	0.412	0.418	0.408	0.442	0.398	9.93
39)	TP	2-Butanone			0.057	0.051	0.057	0.061	0.059	0.059	0.057	5.78

Initial Calibration Summary
Form 6
Volatiles

Client	**: Arcadis of New York, Inc.**	**Lab Number**	**: L2467254**
Project Name	**: NYSEG-GOSHEN FORMER MGP SITE**	**Project Number**	**: 30113059**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL21487**
Calibration dates	**: 09/11/24 23:43 09/12/24 03:37**		

Calibration Files

L11 =V01240911N03.D L1 =V01240911N06.D L2 =V01240911N07.D L3 =V01240911N08.D L4 =V01240911N09.D

L6 =V01240911N10.D L8 =V01240911N11.D L10 =V01240911N12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.259	0.333	0.318	0.353	0.361	0.354	0.383	0.337	11.92
41) TP	Benzene	0.844	0.858	0.986	0.922	1.000	1.034	1.016	1.099	0.970	9.12
42) TP	Tertiary-Amyl Methyl Ether		0.439	0.507	0.505	0.541	0.586	0.583	0.614	0.539	11.24
43) S	1,2-Dichloroethane-d4	0.294	0.292	0.294	0.293	0.293	0.309	0.313	0.322	0.301	3.81
44) TP	1,2-Dichloroet		0.253	0.298	0.284	0.296	0.302	0.295	0.304	0.290	6.06
47) TP	Methyl cyclohe		0.317	0.405	0.360	0.438	0.464	0.475	0.539	0.428	17.42
48) TP	Trichloroethene	0.200	0.213	0.278	0.256	0.282	0.300	0.306	0.356	0.274	18.54
50) TP	Dibromomethane		0.113	0.128	0.127	0.134	0.143	0.141	0.147	0.133	8.80
51) TP	1,2-Dichloropr		0.191	0.242	0.232	0.245	0.250	0.241	0.256	0.237	9.06
53) TP	2-Chloroethyl		0.059	0.082	0.090	0.098	0.101	0.096	0.098	0.089	16.51
54) TP	Bromodichlorom		0.249	0.295	0.313	0.338	0.353	0.345	0.365	0.323	12.54
57) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.75
58) TP	cis-1,3-Dichloropropene		0.239	0.307	0.336	0.375	0.402	0.392	0.420	0.353	18.06
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.274	1.250	1.249	1.241	1.220	1.154	1.133	1.073	1.199	5.91
61) TP	Toluene		0.765	0.826	0.753	0.817	0.821	0.790	0.834	0.801	4.02
62) TP	4-Methyl-2-pen			0.047	0.052	0.057	0.062	0.060	0.060	0.056	10.01
63) TP	Tetrachloroethene		0.255	0.337	0.309	0.336	0.337	0.330	0.363	0.324	10.61
65) TP	trans-1,3-Dichloropropene		0.253	0.305	0.355	0.390	0.409	0.395	0.409	0.359	16.62
67) TP	Ethyl methacry			0.198	0.258	0.282	0.312	0.308	0.311	0.278	16.02
68) TP	1,1,2-Trichlor		0.157	0.184	0.186	0.188	0.195	0.188	0.192	0.184#	6.81
69) TP	Chlorodibromom		0.198	0.238	0.262	0.283	0.298	0.287	0.294	0.266	13.73
70) TP	1,3-Dichloropr		0.334	0.379	0.382	0.387	0.390	0.369	0.366	0.372	5.11
71) TP	1,2-Dibromoethane		0.147	0.209	0.209	0.219	0.227	0.217	0.216	0.206	13.08
72) TP	2-Hexanone			0.079	0.094	0.104	0.114	0.111	0.105	0.101	12.39
73) TP	Chlorobenzene		0.782	0.891	0.835	0.898	0.937	0.913	0.973	0.890	7.15
74) TP	Ethylbenzene		1.298	1.527	1.487	1.665	1.730	1.666	1.801	1.596	10.71
75) TP	1,1,1,2-Tetrac		0.231	0.274	0.293	0.322	0.335	0.325	0.344	0.303	13.14
76) TP	p/m Xylene		0.451	0.596	0.579	0.659	0.713	0.724	0.846	0.653	19.36
77) TP	o Xylene		0.452	0.553	0.550	0.626	0.685	0.693	0.793	0.622	18.22
78) TP	Styrene		0.593	0.811	0.884	1.069	1.173	1.179		*Q	0.9990
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.177	0.231	0.254	0.308	0.346	0.348	0.381	*Q	0.9993
82) TP	Isopropylbenzene		2.295	2.967	2.792	3.193	3.229	3.129	3.441	3.007	12.46
83) S	4-Bromofluorobenzene	0.869	0.884	0.885	0.881	0.870	0.814	0.800	0.781	0.848	5.01
84) TP	Bromobenzene		0.580	0.684	0.642	0.677	0.689	0.675	0.717	0.666	6.59

Initial Calibration Summary
Form 6
Volatiles

Client	**: Arcadis of New York, Inc.**	**Lab Number**	**: L2467254**
Project Name	**: NYSEG-GOSHEN FORMER MGP SITE**	**Project Number**	**: 30113059**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL21487**
Calibration dates	**: 09/11/24 23:43 09/12/24 03:37**		

Calibration Files
L11 =V01240911N03.D L1 =V01240911N06.D L2 =V01240911N07.D L3 =V01240911N08.D L4 =V01240911N09.D
L6 =V01240911N10.D L8 =V01240911N11.D L10 =V01240911N12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.703	3.473	3.320	3.767	3.857	3.768	4.129	3.574	13.00
86) TP	1,4-Dichlorobu		0.660	0.707	0.672	0.698	0.720	0.696	0.738	0.699	3.82
87) TP	1,1,2,2-Tetrac		0.433	0.490	0.472	0.477	0.496	0.469		0.473	4.70
88) TP	4-Ethyltoluene		2.224	2.781	2.632	2.989	3.043	2.967	3.274	2.844	11.95
89) TP	2-Chlorotoluene		1.680	1.988	1.916	2.105	2.100	2.008	2.137	1.990	7.91
90) TP	1,3,5-Trimethy		1.836	2.232	2.286	2.594	2.689	2.683	2.975	2.471	15.29
91) TP	1,2,3-Trichlor		0.384	0.406	0.376	0.400	0.421	0.417	0.450	0.408	6.06
92) TP	trans-1,4-Dich			0.106	0.127	0.134	0.139	0.134	0.129	0.128	9.28
93) TP	4-Chlorotoluene		1.517	1.955	1.950	2.128	2.139	2.068	2.216	1.996	11.66
94) TP	tert-Butylbenzene		1.517	1.965	1.901	2.150	2.211	2.185	2.380	2.044	13.78
97) TP	1,2,4-Trimethy		1.795	2.233	2.219	2.486	2.562	2.504	2.690	2.356	12.75
98) TP	sec-Butylbenzene		2.302	2.838	2.770	3.227	3.294	3.252	3.457	3.020	13.34
99) TP	p-Isopropyltol		1.687	2.286	2.258	2.647	2.770	2.739	2.965	2.479	17.50
100) TP	1,3-Dichlorobe		1.070	1.234	1.227	1.354	1.389	1.341	1.435	1.293	9.62
101) TP	1,4-Dichlorobe		1.208	1.312	1.233	1.337	1.368	1.333	1.427	1.317	5.75
102) TP	p-Diethylbenzene		0.897	1.250	1.240	1.447	1.514	1.494	1.646	1.355	18.36
103) TP	n-Butylbenzene		1.443	1.911	1.923	2.213	2.254	2.178	2.317	2.034	14.99
104) TP	1,2-Dichlorobe		1.007	1.092	1.094	1.160	1.200	1.154	1.222	1.133	6.51
105) TP	1,2,4,5-Tetram		1.301	1.588	1.641	1.854	1.996	1.980	2.249	1.801	17.48
106) TP	1,2-Dibromo-3-		0.008	0.044	0.046	0.051	0.058	0.058	0.060	*L	0.9983
107) TP	1,3,5-Trichlor		0.515	0.592	0.607	0.642	0.674	0.669	0.766	0.638	12.32
108) TP	Hexachlorobuta		0.165	0.206	0.189	0.216	0.216	0.226	0.264	0.212	14.49
109) TP	1,2,4-Trichlor		0.388	0.455	0.483	0.505	0.532	0.533	0.622	0.502	14.52
110) TP	Naphthalene		0.936	0.920	0.979	1.024	1.113	1.122	1.142	1.034	8.95
111) TP	1,2,3-Trichlor		0.316	0.362	0.373	0.383	0.408	0.410	0.440	0.385#	10.45

Initial Calibration Summary
Form 6
Volatiles

Client	**: Arcadis of New York, Inc.**	**Lab Number**	**: L2467254**
Project Name	**: NYSEG-GOSHEN FORMER MGP SITE**	**Project Number**	**: 30113059**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL21711**
Calibration dates	**: 11/15/24 02:52 11/15/24 06:56**		

Calibration Files

L11 =VE241115A03.D L1 =VE241115A05.D L2 =VE241115A07.D L3 =VE241115A09.D L4 =VE241115A10.D

L6 =VE241115A11.D L8 =VE241115A12.D L10 =VE241115A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.150	0.216	0.248	0.243	0.242	0.232	0.232	0.223	15.17
3)	TP	Chloromethane		0.217	0.231	0.234	0.227	0.219	0.211	0.206	0.221	4.71
4)	TP	Vinyl chloride	0.167	0.205	0.243	0.259	0.261	0.252	0.245	0.249	0.235	13.82
5)	TP	Bromomethane		0.175	0.183	0.165	0.156	0.159	0.158	0.160	0.165	6.07
6)	TP	Chloroethane		0.126	0.175	0.182	0.178	0.179	0.175	0.177	0.170	11.66
7)	TP	Trichlorofluor		0.229	0.339	0.381	0.366	0.373	0.358	0.357	0.343	15.19
8)	TP	Ethyl ether		0.090	0.099	0.107	0.112	0.111	0.111	0.112	0.106	7.88
10)	TP	1,1-Dichloroet		0.144	0.170	0.180	0.185	0.183	0.181	0.180	0.175	8.12
11)	TP	Carbon disulfide		0.415	0.516	0.559	0.550	0.551	0.542	0.541	0.525	9.58
12)	TP	Freon-113		0.134	0.191	0.204	0.195	0.192	0.188	0.187	0.184	12.33
13)	TP	Iodomethane		0.156	0.130	0.146	0.160	0.178	0.175	0.177	0.160	11.19
14)	TP	Acrolein			0.021	0.022	0.021	0.021	0.022	0.022	0.021	3.08
15)	TP	Methylene chlo		0.216	0.230	0.221	0.218	0.215	0.214	0.213	0.218	2.75
17)	TP	Acetone		0.058	0.049	0.041	0.036	0.039	0.039	0.039	0.043	17.71
18)	TP	trans-1,2-Dich		0.162	0.190	0.206	0.206	0.202	0.199	0.197	0.195	8.00
19)	TP	Methyl acetate		0.100	0.099	0.095	0.095	0.094	0.094	0.094	0.096	2.74
21)	TP	Methyl tert butyl ether		0.438	0.498	0.532	0.543	0.548	0.539	0.544	0.520	7.72
22)	TP	tert-Butyl alc		0.010	0.013	0.014	0.013	0.014	0.014	0.014	0.013	11.92
24)	TP	Diisopropyl ether		0.563	0.632	0.667	0.663	0.681	0.677	0.687	0.653	6.68
25)	TP	1,1-Dichloroet		0.329	0.390	0.406	0.400	0.404	0.395	0.399	0.389	6.92
26)	TP	Halothane		0.124	0.146	0.158	0.157	0.158	0.154	0.155	0.150	8.24
27)	TP	Acrylonitrile			0.054	0.054	0.052	0.052	0.051	0.053	0.053	1.69
28)	TP	Ethyl tert-but		0.610	0.653	0.683	0.697	0.709	0.712	0.723	0.684	5.81
29)	TP	Vinyl acetate		0.393	0.403	0.450	0.468	0.478	0.480	0.492	0.452	8.67
30)	TP	cis-1,2-Dichlo		0.178	0.226	0.232	0.232	0.229	0.226	0.233	0.222	8.84
31)	TP	2,2-Dichloropr		0.253	0.298	0.325	0.327	0.321	0.314	0.311	0.307	8.37
33)	TP	Bromochloromet		0.101	0.103	0.107	0.102	0.102	0.097	0.097	0.101	3.52
34)	TP	Cyclohexane		0.319	0.387	0.428	0.417	0.413	0.402	0.402	0.395	9.15
35)	TP	Chloroform		0.354	0.368	0.359	0.373	0.369	0.374	0.359	0.365	2.16
36)	TP	Ethyl acetate			0.143	0.158	0.155	0.150	0.154	0.154	0.152	3.47
37)	TP	Carbon tetrachloride	0.242	0.202	0.250	0.282	0.285	0.290	0.280	0.288	0.265	11.77
38)	TP	Tetrahydrofuran			0.043	0.042	0.043	0.042	0.043	0.041	0.042	1.83
39)	S	Dibromofluoromethane	0.240	0.230	0.233	0.236	0.225	0.228	0.222	0.220	0.229	2.94
40)	TP	1,1,1-Trichlor		0.262	0.314	0.346	0.339	0.336	0.329	0.330	0.322	8.75
42)	TP	2-Butanone			0.066	0.054	0.057	0.062	0.064	0.063	0.061	7.35

Initial Calibration Summary
Form 6
Volatiles

Client	**: Arcadis of New York, Inc.**	**Lab Number**	**: L2467254**
Project Name	**: NYSEG-GOSHEN FORMER MGP SITE**	**Project Number**	**: 30113059**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL21711**
Calibration dates	**: 11/15/24 02:52 11/15/24 06:56**		

Calibration Files

L11 =VE241115A03.D L1 =VE241115A05.D L2 =VE241115A07.D L3 =VE241115A09.D L4 =VE241115A10.D

L6 =VE241115A11.D L8 =VE241115A12.D L10 =VE241115A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP	1,1-Dichloropr		0.244	0.274	0.300	0.291	0.294	0.285	0.288	0.282	6.60
45) TP	Benzene	0.900	0.753	0.888	0.917	0.922	0.923	0.906	0.904	0.889	6.32
46) TP	Tertiary-Amyl Methyl Ether		0.498	0.546	0.573	0.584	0.597	0.602	0.607	0.572	6.81
47) S	1,2-Dichloroethane-d4	0.275	0.276	0.276	0.271	0.265	0.269	0.266	0.272	0.271	1.61
48) T	1,2-Dichloroet		0.278	0.284	0.284	0.289	0.283	0.280	0.281	0.283	1.29
51) TP	Methyl cyclohe		0.300	0.386	0.416	0.424	0.421	0.410	0.416	0.396	11.09
52) TP	Trichloroethene	0.190	0.168	0.219	0.225	0.224	0.222	0.218	0.221	0.211	9.71
54) TP	Dibromomethane		0.096	0.124	0.125	0.124	0.125	0.125	0.125	0.121	9.00
55) TP	1,2-Dichloropr		0.185	0.228	0.233	0.237	0.235	0.232	0.230	0.226	8.02
57) TP	2-Chloroethyl		0.099	0.133	0.136	0.141	0.142	0.140	0.140	0.133	11.55
58) TP	Bromodichlorom		0.242	0.282	0.306	0.302	0.309	0.305	0.306	0.293#	8.32
61) TP	1,4-Dioxane		0.001	0.001	0.002	0.002	0.001	0.002	0.001	0.001#	8.59
62) TP	cis-1,3-Dichloropropene	0.278	0.286	0.327	0.356	0.364	0.369	0.365	0.363	0.338	11.01
63) I	Chlorobenzene-d5	----------ISTD----------									
64) S	Toluene-d8	1.361	1.371	1.369	1.378	1.371	1.359	1.339	1.362	1.364	0.86
65) TP	Toluene		0.692	0.795	0.821	0.802	0.803	0.787	0.802	0.786	5.43
66) TP	4-Methyl-2-pen		0.078	0.073	0.079	0.085	0.086	0.088	0.089	0.083	7.26
67) TP	Tetrachloroethene		0.262	0.318	0.340	0.329	0.325	0.316	0.321	0.316	7.90
69) TP	trans-1,3-Dichloropropene	0.263	0.304	0.384	0.417	0.434	0.435	0.437	0.439	0.389	17.55
71) TP	Ethyl methacry		0.242	0.277	0.306	0.312	0.310	0.312	0.318	0.297	9.33
72) TP	1,1,2-Trichlor		0.191	0.207	0.212	0.211	0.208	0.207	0.211	0.207	3.48
73) TP	Chlorodibromom		0.212	0.250	0.277	0.291	0.302	0.302	0.305	0.277	12.44
74) TP	1,3-Dichloropr		0.391	0.421	0.437	0.436	0.437	0.431	0.432	0.426	3.86
75) TP	1,2-Dibromoethane		0.225	0.246	0.248	0.248	0.247	0.249	0.250	0.245	3.58
77) TP	2-Hexanone		0.124	0.121	0.132	0.136	0.137	0.138	0.140	0.133	5.62
78) TP	Chlorobenzene		0.766	0.844	0.862	0.856	0.849	0.834	0.837	0.835	3.87
79) TP	Ethylbenzene		1.264	1.483	1.576	1.562	1.562	1.528	1.535	1.502	7.27
80) TP	1,1,1,2-Tetrac		0.213	0.269	0.290	0.293	0.296	0.290	0.291	0.277	10.74
81) TP	p/m Xylene		0.462	0.570	0.599	0.596	0.599	0.596	0.625	0.578	9.27
82) TP	o Xylene		0.454	0.548	0.582	0.575	0.585	0.591	0.609	0.564	9.19
83) TP	Styrene		0.786	0.903	0.956	0.973	1.006	1.008	1.030	0.952	8.85
84) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85) TP	Bromoform		0.193	0.255	0.292	0.312	0.336	0.344	0.337	0.296	18.61
87) TP	Isopropylbenzene		2.460	2.964	3.019	3.035	3.090	3.098	3.012	2.954	7.53
88) S	4-Bromofluorobenzene	0.926	0.931	0.925	0.912	0.906	0.909	0.933	0.907	0.919	1.23
89) TP	Bromobenzene		0.589	0.650	0.686	0.671	0.684	0.685	0.650	0.659	5.25

Initial Calibration Summary
Form 6
Volatiles

Client	**: Arcadis of New York, Inc.**	**Lab Number**	**: L2467254**
Project Name	**: NYSEG-GOSHEN FORMER MGP SITE**	**Project Number**	**: 30113059**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL21711**
Calibration dates	**: 11/15/24 02:52 11/15/24 06:56**		

Calibration Files

L11 =VE241115A03.D L1 =VE241115A05.D L2 =VE241115A07.D L3 =VE241115A09.D L4 =VE241115A10.D

L6 =VE241115A11.D L8 =VE241115A12.D L10 =VE241115A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP	n-Propylbenzene		2.800	3.311	3.446	3.464	3.520	3.517	3.395	3.351	7.56
91) TP	1,4-Dichlorobu		0.707	0.796	0.805	0.787	0.804	0.818	0.776	0.785	4.70
92) TP	1,1,2,2-Tetrac		0.553	0.577	0.569	0.579	0.576	0.586	0.553	0.570	2.25
93) TP	4-Ethyltoluene		2.443	2.795	2.894	2.863	2.868	2.849	2.750	2.780	5.63
94) TP	2-Chlorotoluene		1.679	2.053	1.999	1.987	1.963	1.998	1.944	1.946	6.31
95) TP	1,3,5-Trimethy		2.131	2.501	2.530	2.521	2.533	2.524	2.481	2.460	5.94
96) TP	1,2,3-Trichlor		0.433	0.485	0.448	0.443	0.443	0.461	0.439	0.450	3.93
97) TP	trans-1,4-Dich		0.130	0.157	0.156	0.170	0.174	0.181	0.173	0.163	10.59
98) TP	4-Chlorotoluene		1.768	2.040	2.065	2.038	2.064	2.088	2.031	2.013	5.46
99) TP	tert-Butylbenzene		1.744	2.059	2.106	2.080	2.103	2.089	2.031	2.030	6.35
102) TP	1,2,4-Trimethy		2.164	2.443	2.530	2.518	2.565	2.556	2.495	2.467	5.66
103) TP	sec-Butylbenzene		2.631	3.066	3.196	3.204	3.248	3.200	3.154	3.100	6.92
104) TP	p-Isopropyltol		2.097	2.520	2.648	2.672	2.713	2.656	2.673	2.568	8.42
105) TP	1,3-Dichlorobe		1.223	1.355	1.333	1.332	1.353	1.329	1.313	1.320	3.41
106) TP	1,4-Dichlorobe		1.272	1.384	1.328	1.315	1.331	1.321	1.317	1.324	2.49
107) TP	p-Diethylbenzene		1.189	1.433	1.559	1.587	1.594	1.554	1.604	1.503	9.96
108) TP	n-Butylbenzene		1.847	2.213	2.309	2.337	2.350	2.282	2.342	2.240	8.02
109) TP	1,2-Dichlorobe		1.221	1.290	1.245	1.266	1.262	1.252	1.254	1.256	1.67
110) TP	1,2,4,5-Tetram		2.024	2.276	2.393	2.491	2.501	2.604	2.565	2.408	8.37
111) TP	1,2-Dibromo-3-		0.054	0.063	0.073	0.081	0.083	0.091	0.088	0.076	18.03
112) TP	1,3,5-Trichlor		0.781	0.888	0.912	0.935	0.915	0.939	0.901	0.896	5.97
113) TP	Hexachlorobuta		0.190	0.249	0.254	0.260	0.243	0.246	0.232	0.239	9.71
114) TP	1,2,4-Trichlor		0.716	0.792	0.793	0.800	0.809	0.800	0.765	0.782	4.09
115) TP	Naphthalene		1.572	1.696	1.819	1.882	1.965	2.008	1.916	1.837	8.44
116) TP	1,2,3-Trichlor		0.612	0.683	0.699	0.722	0.733	0.732	0.707	0.698	6.06

Response Factor Report VOA 101

Method Path : K:\VOA101\2024\240911NICAL\
Method File : V101_240911N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Sep 12 12:36:16 2024
Response Via : Initial Calibration

Calibration Files
L11 =V01240911N03.D L1 =V01240911N06.D L2 =V01240911N07.D L3 =V01240911N08.D L4 =V01240911N09.D
L6 =V01240911N10.D L8 =V01240911N11.D L10 =V01240911N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------		
2)	TP	Dichlorodifluo...		0.218	0.291	0.250	0.272	0.283	0.277	0.290	0.269	9.76
3)	TP	Chloromethane		0.314	0.335	0.237	0.248	0.256	0.247	0.261	0.271	13.92
4)	TP	Vinyl chloride	0.335	0.349	0.408	0.333	0.354	0.353	0.341	0.366	0.355	6.79
5)	TP	Bromomethane		0.213	0.241	0.225	0.264	0.299	0.301	0.332	0.268	16.59
6)	TP	Chloroethane		0.567	0.497	0.357	0.359	0.353	0.323		*L	0.9973
7)	TP	Trichlorofluor...		0.733	0.916	0.794	0.841	0.833	0.788	0.801	0.815	6.97
8)	TP	Ethyl ether		0.219	0.231	0.209	0.206	0.209	0.201	0.198	0.210	5.34
10)	TP	1,1-Dichloroet...		0.191	0.213	0.214	0.214	0.253	0.228		0.219	9.48
11)	TP	Carbon disulfide		0.686	0.619	0.570	0.604	0.672	0.702	0.851	0.672	13.72
12)	TP	Freon-113		0.178	0.231	0.207	0.227	0.247	0.255	0.312	0.237	17.79
13)	TP	Iodomethane			0.242	0.274	0.325	0.351	0.351	0.375	0.320	16.02
14)	TP	Acrolein			0.014	0.017	0.019	0.022	0.022	0.023	0.020	17.50
15)	TP	Methylene chlo...		0.275	0.247	0.217	0.229	0.241	0.236	0.251	0.242	7.53
17)	TP	Acetone			0.063	0.044	0.038	0.038	0.038	0.037	*L	0.9997
18)	TP	trans-1,2-Dich...		0.207	0.240	0.216	0.236	0.249	0.250	0.275	0.239	9.40
19)	TP	Methyl acetate		0.107	0.108	0.085	0.088	0.101	0.098	0.097	0.098	9.02
20)	TP	Methyl tert-bu...		0.487	0.532	0.509	0.539	0.590	0.589	0.609	0.551	8.39
21)	TP	tert-Butyl alc...			0.009	0.010	0.010	0.012	0.012	0.012	0.011	11.65
22)	TP	Diisopropyl ether		0.619	0.710	0.678	0.720	0.764	0.746	0.785	0.717	7.79
23)	TP	1,1-Dichloroet...		0.368	0.450	0.407	0.438	0.459	0.447	0.469	0.434	8.06
24)	TP	Halothane		0.145	0.171	0.167	0.184	0.194	0.192	0.210	0.181	11.92
25)	TP	Acrylonitrile			0.040	0.042	0.045	0.050	0.050	0.051	0.046	10.15
26)	TP	Ethyl tert-but...		0.518	0.580	0.564	0.608	0.656	0.648	0.690	0.609	9.82
27)	TP	Vinyl acetate		0.292	0.320	0.301	0.307	0.360	0.352	0.379	0.330	10.09
28)	TP	cis-1,2-Dichlo...		0.226	0.262	0.254	0.272	0.283	0.276	0.297	0.267	8.56
29)	TP	2,2-Dichloropr...		0.260	0.323	0.311	0.351	0.365	0.350	0.371	0.333	11.61
30)	TP	Bromochloromet...		0.105	0.118	0.116	0.122	0.125	0.124	0.135	0.121	7.59
31)	TP	Cyclohexane		0.297	0.399	0.358	0.416	0.437	0.435	0.474	0.402	14.56
32)	TP	Chloroform		0.376	0.457	0.424	0.452	0.467	0.453	0.485	0.445	7.96
33)	TP	Ethyl acetate			0.125	0.124	0.136	0.149	0.145	0.147	0.138	8.00

Response Factor Report VOA 101

Method Path : K:\VOA101\2024\240911NICAL\
Method File : V101_240911N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Sep 12 12:36:16 2024
Response Via : Initial Calibration

Calibration Files
L11 =V01240911N03.D L1 =V01240911N06.D L2 =V01240911N07.D L3 =V01240911N08.D L4 =V01240911N09.D
L6 =V01240911N10.D L8 =V01240911N11.D L10 =V01240911N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...		0.258	0.336	0.316	0.373	0.393	0.387	0.424	0.355	15.74
35)	TP	Tetrahydrofuran			0.039	0.043	0.043	0.043	0.041	0.043	0.042	3.98
36)	S	Dibromofluorom...	0.252	0.249	0.256	0.258	0.263	0.263	0.275	0.280	0.262	4.15
37)	TP	1,1,1-Trichlor...		0.322	0.411	0.370	0.412	0.418	0.408	0.442	0.398	9.93
39)	TP	2-Butanone			0.057	0.051	0.057	0.061	0.059	0.059	0.057	5.78
40)	TP	1,1-Dichloropr...		0.259	0.333	0.318	0.353	0.361	0.354	0.383	0.337	11.92
41)	TP	Benzene	0.844	0.858	0.986	0.922	1.000	1.034	1.016	1.099	0.970	9.12
42)	TP	tert-Amyl meth...		0.439	0.507	0.505	0.541	0.586	0.583	0.614	0.539	11.24
43)	S	1,2-Dichloroet...	0.294	0.292	0.294	0.293	0.293	0.309	0.313	0.322	0.301	3.81
44)	TP	1,2-Dichloroet...		0.253	0.298	0.284	0.296	0.302	0.295	0.304	0.290	6.06
47)	TP	Methyl cyclohe...		0.317	0.405	0.360	0.438	0.464	0.475	0.539	0.428	17.42
48)	TP	Trichloroethene	0.200	0.213	0.278	0.256	0.282	0.300	0.306	0.356	0.274	18.54
50)	TP	Dibromomethane		0.113	0.128	0.127	0.134	0.143	0.141	0.147	0.133	8.80
51)	TP	1,2-Dichloropr...		0.191	0.242	0.232	0.245	0.250	0.241	0.256	0.237	9.06
53)	TP	2-Chloroethyl ...		0.059	0.082	0.090	0.098	0.101	0.096	0.098	0.089	16.51
54)	TP	Bromodichlorom...		0.249	0.295	0.313	0.338	0.353	0.345	0.365	0.323	12.54
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.75
58)	TP	cis-1,3-Dichlo...		0.239	0.307	0.336	0.375	0.402	0.392	0.420	0.353	18.06
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.274	1.250	1.249	1.241	1.220	1.154	1.133	1.073	1.199	5.91
61)	TP	Toluene		0.765	0.826	0.753	0.817	0.821	0.790	0.834	0.801	4.02
62)	TP	4-Methyl-2-pen...			0.047	0.052	0.057	0.062	0.060	0.060	0.056	10.01
63)	TP	Tetrachloroethene		0.255	0.337	0.309	0.336	0.337	0.330	0.363	0.324	10.61
65)	TP	trans-1,3-Dich...		0.253	0.305	0.355	0.390	0.409	0.395	0.409	0.359	16.62
67)	TP	Ethyl methacry...			0.198	0.258	0.282	0.312	0.308	0.311	0.278	16.02
68)	TP	1,1,2-Trichlor...		0.157	0.184	0.186	0.188	0.195	0.188	0.192	0.184#	6.81
69)	TP	Chlorodibromom...		0.198	0.238	0.262	0.283	0.298	0.287	0.294	0.266	13.73
70)	TP	1,3-Dichloropr...		0.334	0.379	0.382	0.387	0.390	0.369	0.366	0.372	5.11
71)	TP	1,2-Dibromoethane		0.147	0.209	0.209	0.219	0.227	0.217	0.216	0.206	13.08
72)	TP	2-Hexanone			0.079	0.094	0.104	0.114	0.111	0.105	0.101	12.39
73)	TP	Chlorobenzene		0.782	0.891	0.835	0.898	0.937	0.913	0.973	0.890	7.15

Method Path : K:\VOA101\2024\240911NICAL\
Method File : V101_240911N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Sep 12 12:36:16 2024
Response Via : Initial Calibration

Calibration Files
L11 =V01240911N03.D L1 =V01240911N06.D L2 =V01240911N07.D L3 =V01240911N08.D L4 =V01240911N09.D
L6 =V01240911N10.D L8 =V01240911N11.D L10 =V01240911N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TP	Ethylbenzene		1.298	1.527	1.487	1.665	1.730	1.666	1.801	1.596	10.71
75)	TP	1,1,1,2-Tetrac...		0.231	0.274	0.293	0.322	0.335	0.325	0.344	0.303	13.14
76)	TP	p/m Xylene		0.451	0.596	0.579	0.659	0.713	0.724	0.846	0.653	19.36
77)	TP	o Xylene		0.452	0.553	0.550	0.626	0.685	0.693	0.793	0.622	18.22
78)	TP	Styrene		0.593	0.811	0.884	1.069	1.173	1.179		*Q	0.9990
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.177	0.231	0.254	0.308	0.346	0.348	0.381	*Q	0.9993
82)	TP	Isopropylbenzene		2.295	2.967	2.792	3.193	3.229	3.129	3.441	3.007	12.46
83)	S	4-Bromofluorob...	0.869	0.884	0.885	0.881	0.870	0.814	0.800	0.781	0.848	5.01
84)	TP	Bromobenzene		0.580	0.684	0.642	0.677	0.689	0.675	0.717	0.666	6.59
85)	TP	n-Propylbenzene		2.703	3.473	3.320	3.767	3.857	3.768	4.129	3.574	13.00
86)	TP	1,4-Dichlorobu...		0.660	0.707	0.672	0.698	0.720	0.696	0.738	0.699	3.82
87)	TP	1,1,2,2-Tetrac...		0.433	0.490	0.472	0.477	0.496	0.469		0.473	4.70
88)	TP	4-Ethyltoluene		2.224	2.781	2.632	2.989	3.043	2.967	3.274	2.844	11.95
89)	TP	2-Chlorotoluene		1.680	1.988	1.916	2.105	2.100	2.008	2.137	1.990	7.91
90)	TP	1,3,5-Trimethy...		1.836	2.232	2.286	2.594	2.689	2.683	2.975	2.471	15.29
91)	TP	1,2,3-Trichlor...		0.384	0.406	0.376	0.400	0.421	0.417	0.450	0.408	6.06
92)	TP	trans-1,4-Dich...			0.106	0.127	0.134	0.139	0.134	0.129	0.128	9.28
93)	TP	4-Chlorotoluene		1.517	1.955	1.950	2.128	2.139	2.068	2.216	1.996	11.66
94)	TP	tert-Butylbenzene		1.517	1.965	1.901	2.150	2.211	2.185	2.380	2.044	13.78
97)	TP	1,2,4-Trimethy...		1.795	2.233	2.219	2.486	2.562	2.504	2.690	2.356	12.75
98)	TP	sec-Butylbenzene		2.302	2.838	2.770	3.227	3.294	3.252	3.457	3.020	13.34
99)	TP	p-Isopropyltol...		1.687	2.286	2.258	2.647	2.770	2.739	2.965	2.479	17.50
100)	TP	1,3-Dichlorobe...		1.070	1.234	1.227	1.354	1.389	1.341	1.435	1.293	9.62
101)	TP	1,4-Dichlorobe...		1.208	1.312	1.233	1.337	1.368	1.333	1.427	1.317	5.75
102)	TP	p-Diethylbenzene		0.897	1.250	1.240	1.447	1.514	1.494	1.646	1.355	18.36
103)	TP	n-Butylbenzene		1.443	1.911	1.923	2.213	2.254	2.178	2.317	2.034	14.99
104)	TP	1,2-Dichlorobe...		1.007	1.092	1.094	1.160	1.200	1.154	1.222	1.133	6.51
105)	TP	1,2,4,5-Tetram...		1.301	1.588	1.641	1.854	1.996	1.980	2.249	1.801	17.48
106)	TP	1,2-Dibromo-3-...		0.008	0.044	0.046	0.051	0.058	0.058	0.060	*L	0.9983
107)	TP	1,3,5-Trichlor...		0.515	0.592	0.607	0.642	0.674	0.669	0.766	0.638	12.32

Method Path : K:\VOA101\2024\240911NICAL\
Method File : V101_240911N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Sep 12 12:36:16 2024
Response Via : Initial Calibration

Calibration Files
L11 =V01240911N03.D L1 =V01240911N06.D L2 =V01240911N07.D L3 =V01240911N08.D L4 =V01240911N09.D
L6 =V01240911N10.D L8 =V01240911N11.D L10 =V01240911N12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.165	0.206	0.189	0.216	0.216	0.226	0.264	0.212	14.49	
109)	TP 1,2,4-Trichlor...	0.388	0.455	0.483	0.505	0.532	0.533	0.622	0.502	14.52	
110)	TP Naphthalene	0.936	0.920	0.979	1.024	1.113	1.122	1.142	1.034	8.95	
111)	TP 1,2,3-Trichlor...	0.316	0.362	0.373	0.383	0.408	0.410	0.440	0.385#	10.45	

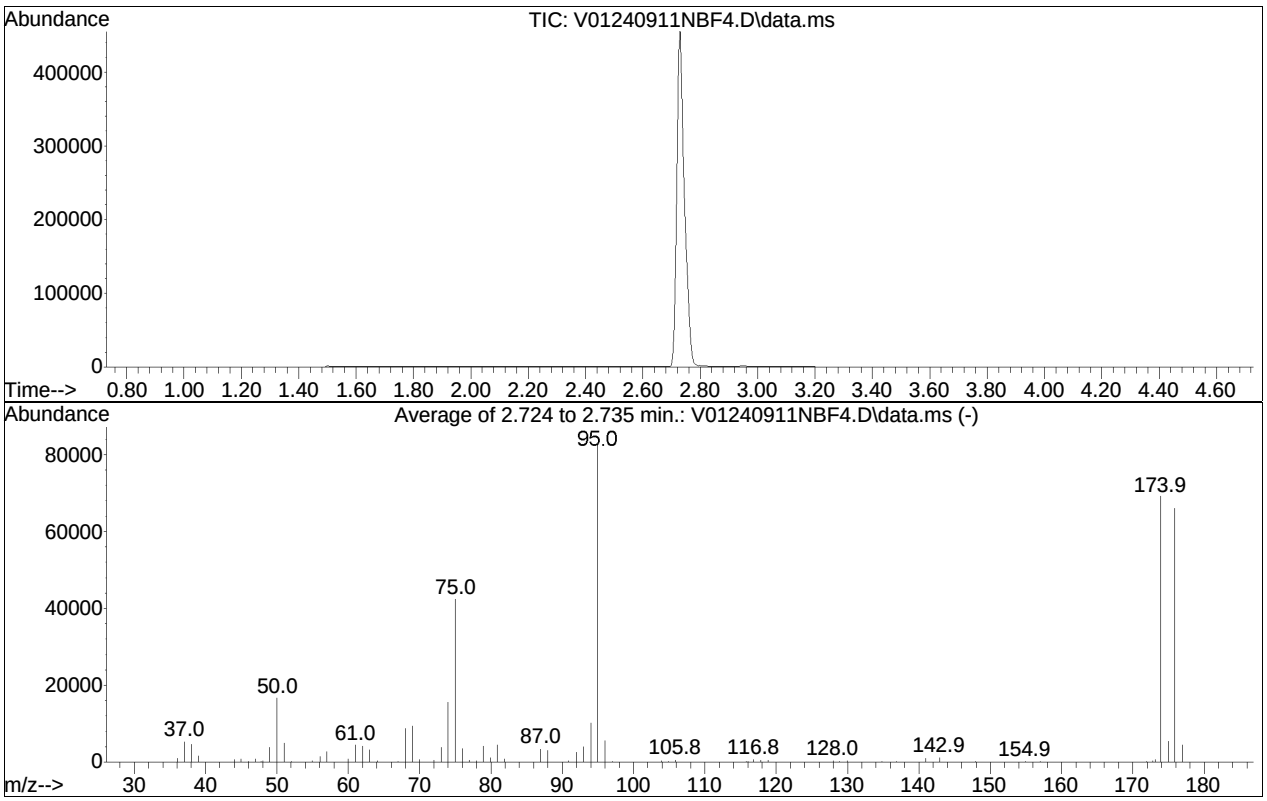
(#) = Out of Range

BFB

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911NBF4.D
Acq On : 11 Sep 2024 10:32 pm
Operator : VOA101:MAG
Sample : WG1970861-1
Misc : WG1970861
ALS Vial : 3 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Sep 12 12:36:16 2024



AutoFind: Scans 236, 237, 238; Background Corrected with Scan 228

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	16610	PASS
75	95	30	60	51.0	42427	PASS
95	95	100	100	100.0	83128	PASS
96	95	5	9	6.7	5542	PASS
173	174	0.00	2	1.0	693	PASS
174	95	50	100	83.2	69136	PASS
175	174	5	9	7.8	5418	PASS
176	174	95	101	95.6	66112	PASS
177	176	5	9	6.8	4465	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N03.D
Acq On : 11 Sep 2024 11:43 pm
Operator : VOA101:PID
Sample : I8260STD0.19PPB
Misc : WG1970861,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 12:24:54 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-L11_MCP - L11 MCP

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	282605	10.000	ug/L	0.00
Standard Area 1 = 290042			Recovery = 97.44%			
59) Chlorobenzene-d5	9.460	117	215464	10.000	ug/L	0.00
Standard Area 1 = 228912			Recovery = 94.13%			
79) 1,4-Dichlorobenzene-d4	12.176	152	105786	10.000	ug/L	0.00
Standard Area 1 = 118116			Recovery = 89.56%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.143	113	71239	9.611	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.11%			
43) 1,2-Dichloroethane-d4	5.659	65	83141	9.763	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.63%			
60) Toluene-d8	7.617	98	274422	10.620	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.20%			
83) 4-Bromofluorobenzene	10.966	95	91959	10.250	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.50%			
Target Compounds						Qvalue
4) Vinyl chloride	1.900	62	1801	0.180	ug/L	# 44
34) Carbon tetrachloride	5.101	117	1195M3	0.125	ug/L	
41) Benzene	5.531	78	4530	0.165	ug/L	# 80
48) Trichloroethene	6.113	95	1074M1	0.139	ug/L	
58) cis-1,3-Dichloropropene	7.430	75	1094M3	0.110	ug/L	
65) trans-1,3-Dichloropropene	0.000		0	N.D.	d	

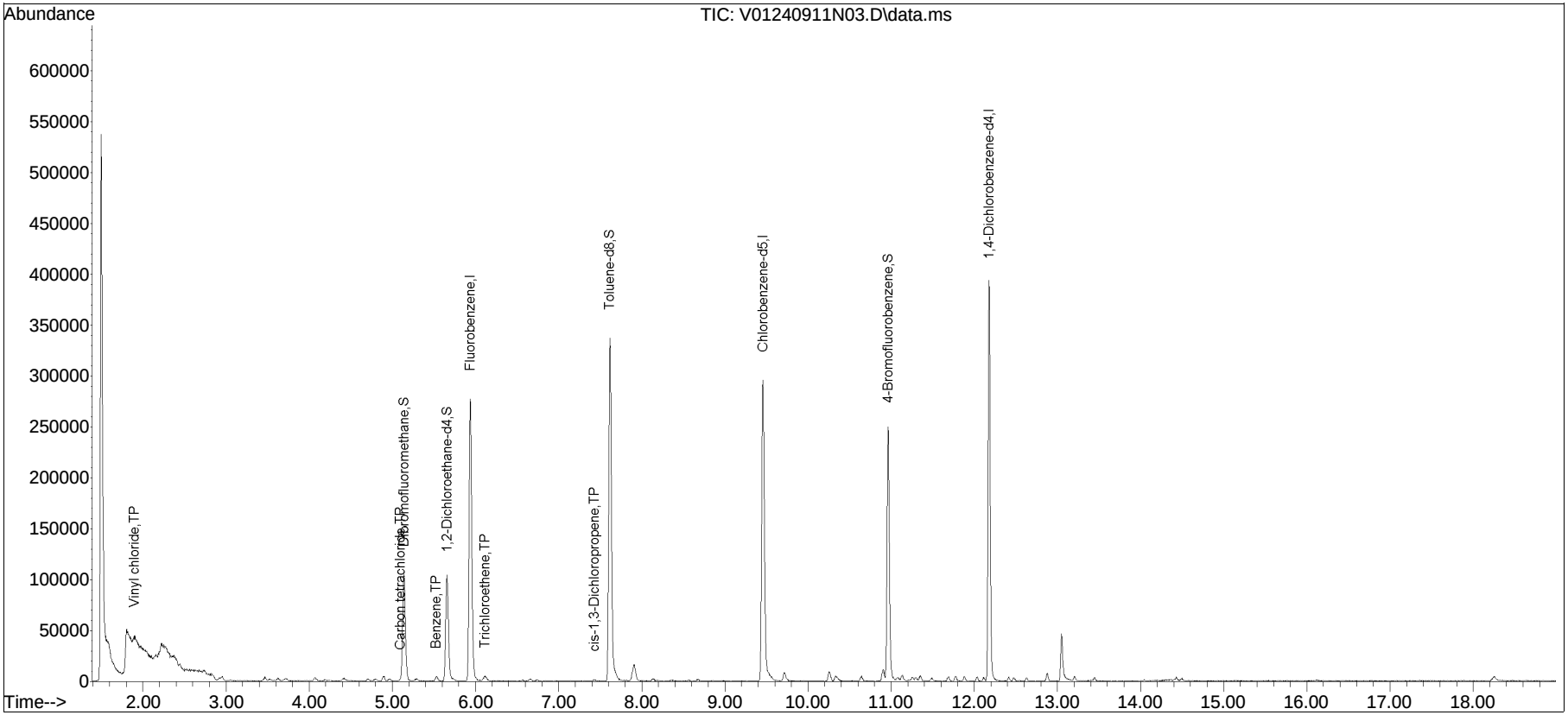
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N03.D
Acq On : 11 Sep 2024 11:43 pm
Operator : VOA101:PID
Sample : I8260STD0.19PPB
Misc : WG1970861,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 12 12:24:54 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

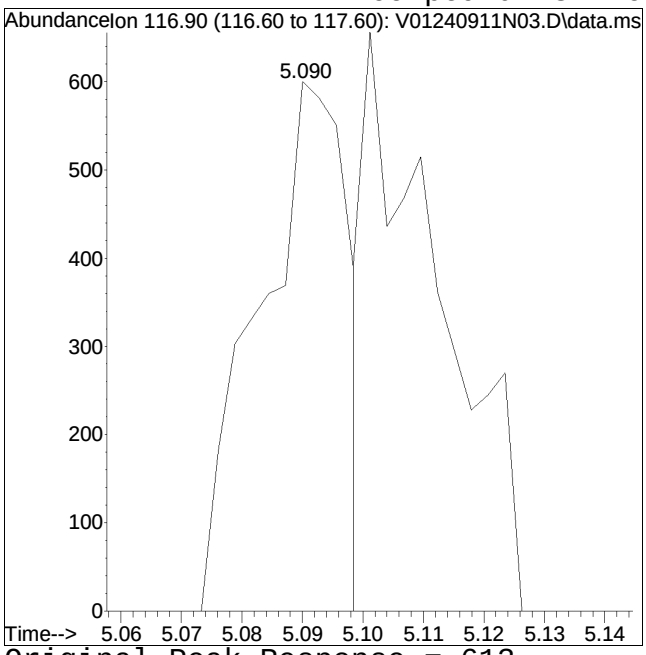
Sub List : 8260-L11_MCP - L11 MCP911NICAL\V01240911N08.D•



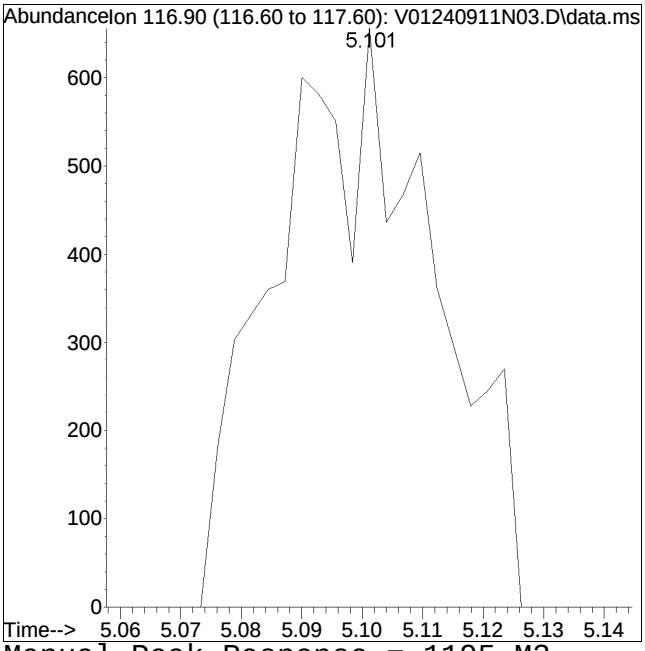
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N03.D Operator : VOA101:PID
Date Inj'd : 9/11/2024 11:43 pm Instrument : VOA 101
Sample : I8260STD0.19PPB Quant Date : 9/12/2024 12:24 pm

Compound #34: Carbon tetrachloride



Original Peak Response = 613



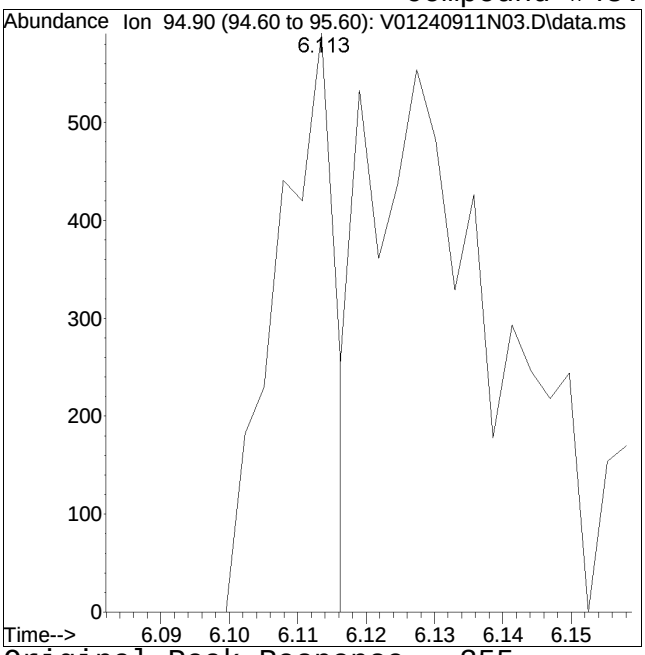
Manual Peak Response = 1195 M3

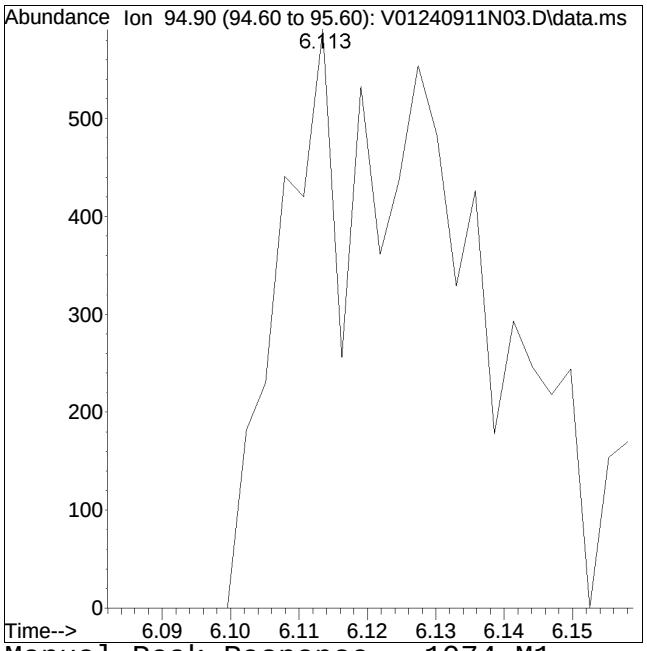
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N03.D Operator : VOA101:PID
Date Inj'd : 9/11/2024 11:43 pm Instrument : VOA 101
Sample : I8260STD0.19PPB Quant Date : 9/12/2024 12:24 pm

Compound #48: Trichloroethene





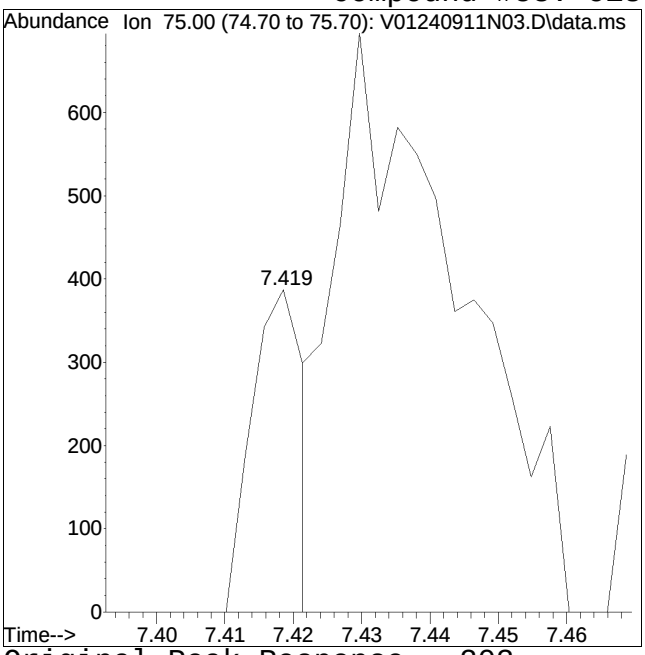
Original Peak Response = 355 Manual Peak Response = 1074 M1

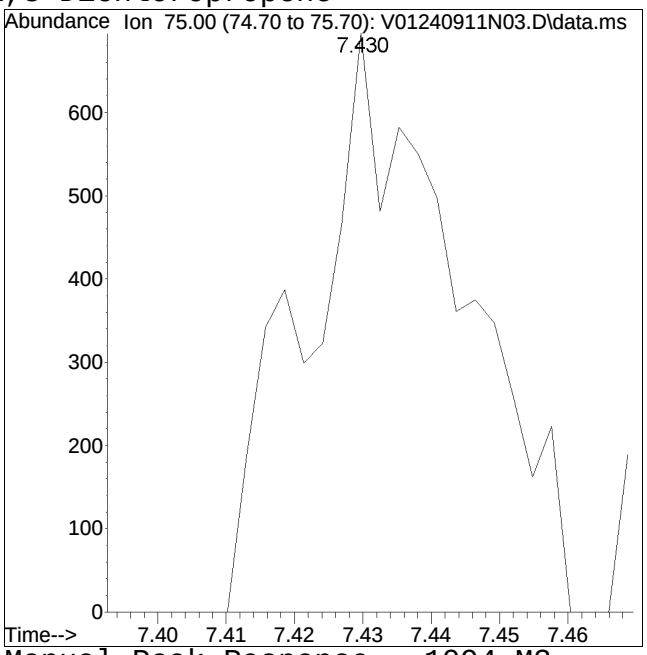
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N03.D Operator : VOA101:PID
Date Inj'd : 9/11/2024 11:43 pm Instrument : VOA 101
Sample : I8260STD0.19PPB Quant Date : 9/12/2024 12:24 pm

Compound #58: cis-1,3-Dichloropropene





Original Peak Response = 203 Manual Peak Response = 1094 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N06.D
Acq On : 12 Sep 2024 1:01 am
Operator : VOA101:PID
Sample : I8260STD0.5PPB
Misc : WG1970861,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 12 12:25:04 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	280399	10.000	ug/L	0.00
Standard Area 1 = 290042			Recovery = 96.68%			
59) Chlorobenzene-d5	9.457	117	216397	10.000	ug/L	0.00
Standard Area 1 = 228912			Recovery = 94.53%			
79) 1,4-Dichlorobenzene-d4	12.179	152	105570	10.000	ug/L	0.00
Standard Area 1 = 118116			Recovery = 89.38%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.140	113	69931	9.509	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.09%			
43) 1,2-Dichloroethane-d4	5.659	65	81985	9.703	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.03%			
60) Toluene-d8	7.620	98	270601	10.427	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.27%			
83) 4-Bromofluorobenzene	10.963	95	93330	10.424	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.635	85	3062	0.406	ug/L	96
3) Chloromethane	1.827	50	4406M4	0.579	ug/L	
4) Vinyl chloride	1.892	62	4899	0.492	ug/L #	44
5) Bromomethane	2.198	94	2982	0.397	ug/L	95
6) Chloroethane	2.307	64	7950	0.719	ug/L	66
7) Trichlorofluoromethane	2.444	101	10274	0.450	ug/L	96
8) Ethyl ether	2.739	74	3069	0.520	ug/L #	81
10) 1,1-Dichloroethene	2.921	96	2673	0.405	ug/L	92
11) Carbon disulfide	2.946	76	9619	0.511	ug/L	95
12) Freon-113	2.957	101	2491M3	0.375	ug/L	
13) Iodomethane	3.055	142	2412	0.288	ug/L #	94
14) Acrolein	0.000		0	N.D.	d	
15) Methylene chloride	3.467	84	3858	0.567	ug/L	97
17) Acetone	3.523	43	2623M3	1.474	ug/L	
18) trans-1,2-Dichloroethene	3.623	96	2902	0.433	ug/L #	11
19) Methyl acetate	3.632	43	1503M1	0.548	ug/L	
20) Methyl tert-butyl ether	3.718	73	6822M1	0.442	ug/L	
21) tert-Butyl alcohol	0.000		0	N.D.	d	
22) Diisopropyl ether	4.072	45	8681	0.432	ug/L #	54
23) 1,1-Dichloroethane	4.189	63	5165	0.424	ug/L	71
24) Halothane	4.242	117	2030	0.401	ug/L #	77

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N06.D
Acq On : 12 Sep 2024 1:01 am
Operator : VOA101:PID
Sample : I8260STD0.5PPB
Misc : WG1970861,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 12 12:25:04 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
25) Acrylonitrile	0.000		0	N.D. d	
26) Ethyl tert-butyl ether	4.407	59	7261M1	0.425 ug/L	
27) Vinyl acetate	4.432	43	4092M1	0.442 ug/L	
28) cis-1,2-Dichloroethene	4.714	96	3164M3	0.422 ug/L	
29) 2,2-Dichloropropane	4.800	77	3650	0.391 ug/L #	77
30) Bromochloromethane	4.892	128	1470M1	0.434 ug/L	
31) Cyclohexane	4.898	56	4169	0.370 ug/L	85
32) Chloroform	4.968	83	5274	0.423 ug/L #	80
33) Ethyl acetate	0.000		0	N.D. d	
34) Carbon tetrachloride	5.096	117	3620	0.381 ug/L #	63
35) Tetrahydrofuran	0.000		0	N.D. d	
37) 1,1,1-Trichloroethane	5.157	97	4519	0.405 ug/L #	53
39) 2-Butanone	0.000		0	N.D. d	
40) 1,1-Dichloropropene	5.283	75	3633	0.384 ug/L	90
41) Benzene	5.531	78	12031	0.442 ug/L #	87
42) tert-Amyl methyl ether	5.637	73	6156	0.407 ug/L #	69
44) 1,2-Dichloroethane	5.737	62	3548	0.436 ug/L #	87
47) Methyl cyclohexane	6.108	83	4446M1	0.370 ug/L	
48) Trichloroethene	6.125	95	2987M3	0.389 ug/L	
50) Dibromomethane	6.565	93	1579	0.423 ug/L #	49
51) 1,2-Dichloropropane	6.660	63	2678	0.404 ug/L #	61
53) 2-Chloroethyl vinyl ether	7.382	63	829M3	0.331 ug/L	
54) Bromodichloromethane	6.727	83	3489M1	0.386 ug/L	
57) 1,4-Dioxane	6.945	88	3158M1	84.526 ug/L	
58) cis-1,3-Dichloropropene	7.430	75	3346	0.338 ug/L #	76
61) Toluene	7.686	92	8275	0.477 ug/L #	29
62) 4-Methyl-2-pentanone	0.000		0	N.D. d	
63) Tetrachloroethene	8.135	166	2759M3	0.394 ug/L	
65) trans-1,3-Dichloropropene	8.174	75	2735M1	0.352 ug/L	
67) Ethyl methacrylate	0.000		0	N.D. d	
68) 1,1,2-Trichloroethane	8.364	83	1702M3	0.426 ug/L	
69) Chlorodibromomethane	8.568	129	2141M3	0.372 ug/L	
70) 1,3-Dichloropropane	8.674	76	3613M1	0.448 ug/L	
71) 1,2-Dibromoethane	8.849	107	1588	0.356 ug/L #	47
72) 2-Hexanone	0.000		0	N.D. d	
73) Chlorobenzene	9.477	112	8462M1	0.439 ug/L	
74) Ethylbenzene	9.524	91	14039	0.406 ug/L	93
75) 1,1,1,2-Tetrachloroethane	9.566	131	2504	0.381 ug/L #	44
76) p/m Xylene	9.717	106	9757	0.691 ug/L	97
77) o Xylene	10.255	106	9788M3	0.727 ug/L	

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N06.D
Acq On : 12 Sep 2024 1:01 am
Operator : VOA101:PID
Sample : I8260STD0.5PPB
Misc : WG1970861,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 12 12:25:04 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.324	104	12822	0.592	ug/L		96
80) Bromoform	10.352	173	933M3	0.303	ug/L		
82) Isopropylbenzene	10.631	105	12114	0.382	ug/L		74
84) Bromobenzene	11.086	156	3064M1	0.435	ug/L		
85) n-Propylbenzene	11.125	91	14270	0.378	ug/L	#	80
86) 1,4-Dichlorobutane	11.144	55	3484	0.472	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.220	83	2285M3	0.459	ug/L		
88) 4-Ethyltoluene	11.245	105	11742	0.391	ug/L		93
89) 2-Chlorotoluene	11.295	91	8869M4	0.422	ug/L		
90) 1,3,5-Trimethylbenzene	11.348	105	9692M3	0.372	ug/L		
91) 1,2,3-Trichloropropane	11.354	75	2029M1	0.471	ug/L		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d		
93) 4-Chlorotoluene	11.482	91	8007	0.380	ug/L	#	84
94) tert-Butylbenzene	11.688	119	8008	0.371	ug/L		94
97) 1,2,4-Trimethylbenzene	11.775	105	9477	0.381	ug/L		100
98) sec-Butylbenzene	11.878	105	12149	0.381	ug/L		92
99) p-Isopropyltoluene	12.034	119	8906	0.340	ug/L	#	82
100) 1,3-Dichlorobenzene	12.115	146	5649	0.414	ug/L		99
101) 1,4-Dichlorobenzene	12.193	146	6374M3	0.458	ug/L		
102) p-Diethylbenzene	12.408	119	4735	0.331	ug/L		90
103) n-Butylbenzene	12.469	91	7617	0.355	ug/L		95
104) 1,2-Dichlorobenzene	12.628	146	5318	0.445	ug/L	#	75
105) 1,2,4,5-Tetramethylben...	13.205	119	6866	0.361	ug/L		94
106) 1,2-Dibromo-3-chloropr...	13.409	155	43	0.088	ug/L	#	68
107) 1,3,5-Trichlorobenzene	13.437	180	2716	0.403	ug/L	#	46
108) Hexachlorobutadiene	14.008	225	873	0.391	ug/L	#	88
109) 1,2,4-Trichlorobenzene	14.045	180	2046	0.386	ug/L	#	74
110) Naphthalene	14.335	128	4940M1	0.453	ug/L		
111) 1,2,3-Trichlorobenzene	14.496	180	1666	0.410	ug/L	#	58

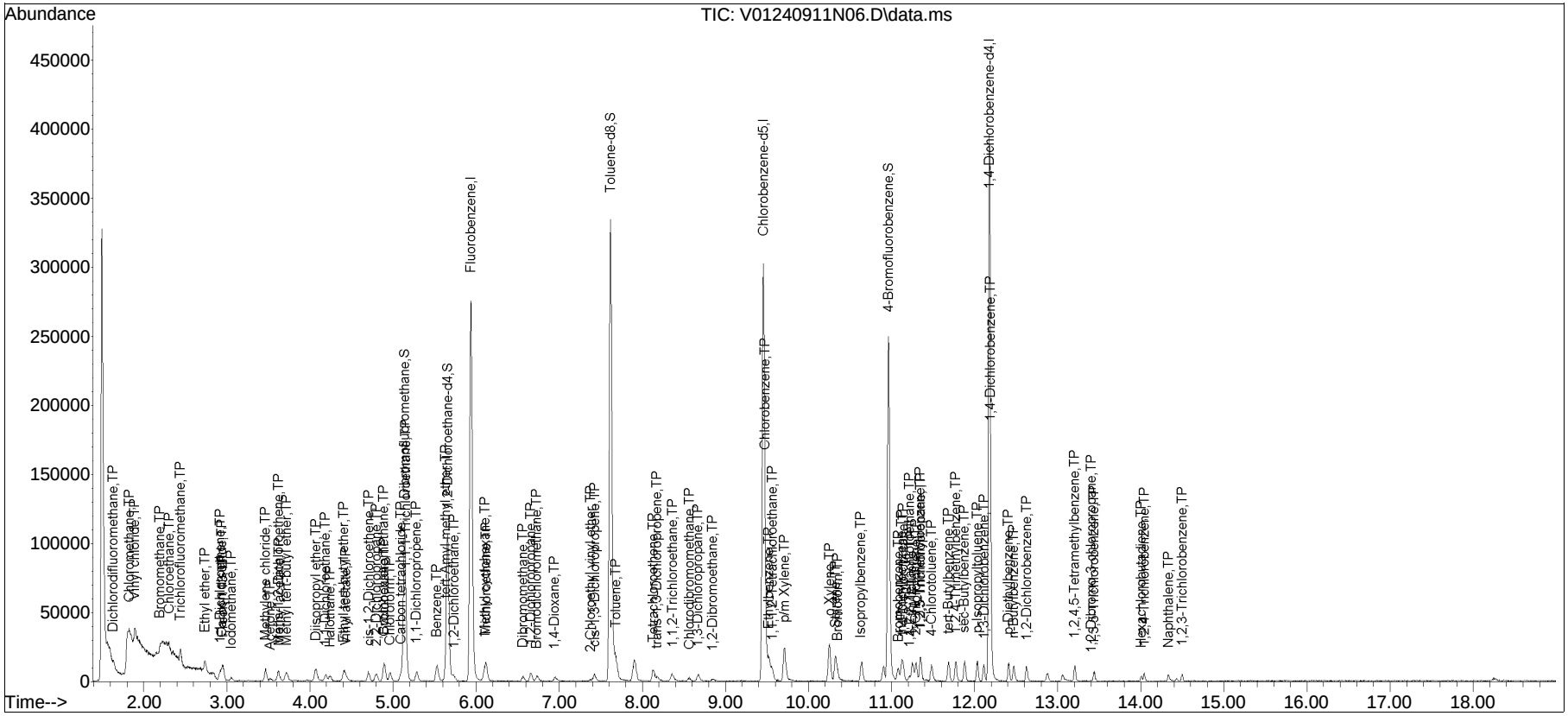
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N06.D
Acq On : 12 Sep 2024 1:01 am
Operator : VOA101:PID
Sample : I8260STD0.5PPB
Misc : WG1970861,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 12 12:25:04 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V01240911N08.D•

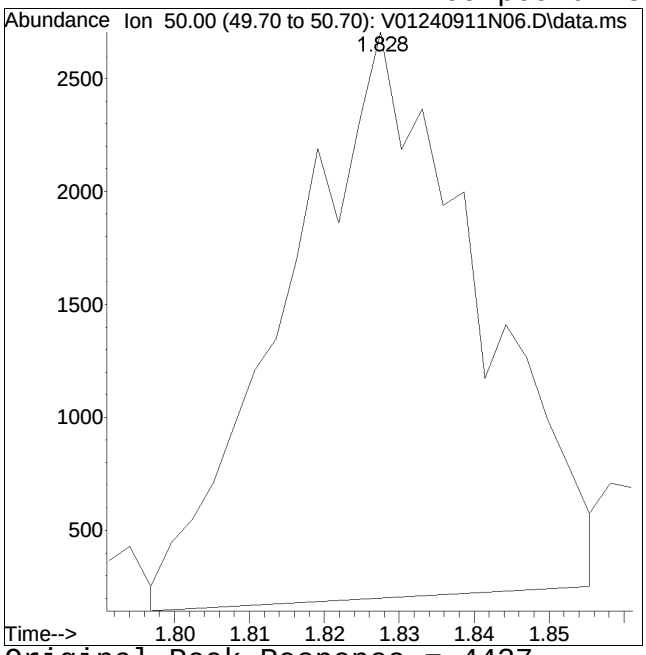


Manual Integration Report

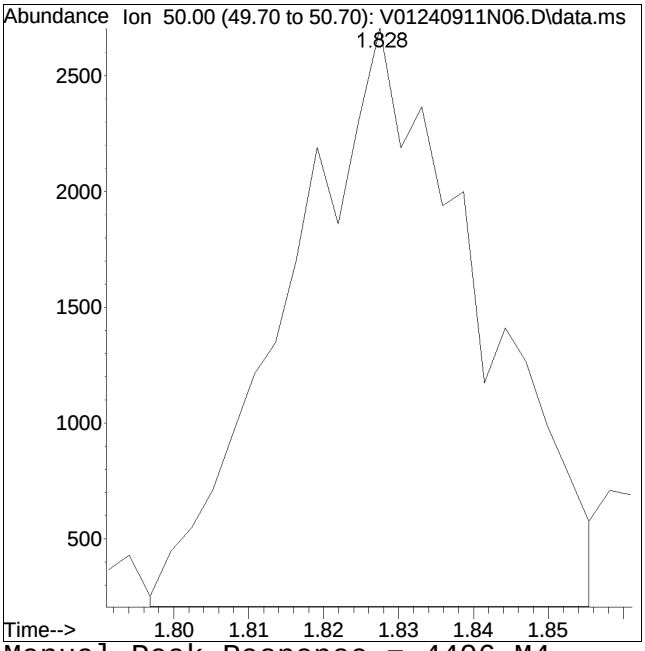
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N06.D
Date Inj'd : 9/12/2024 1:01 am
Sample : I8260STD0.5PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:24 pm

Compound #3: Chloromethane



Original Peak Response = 4437



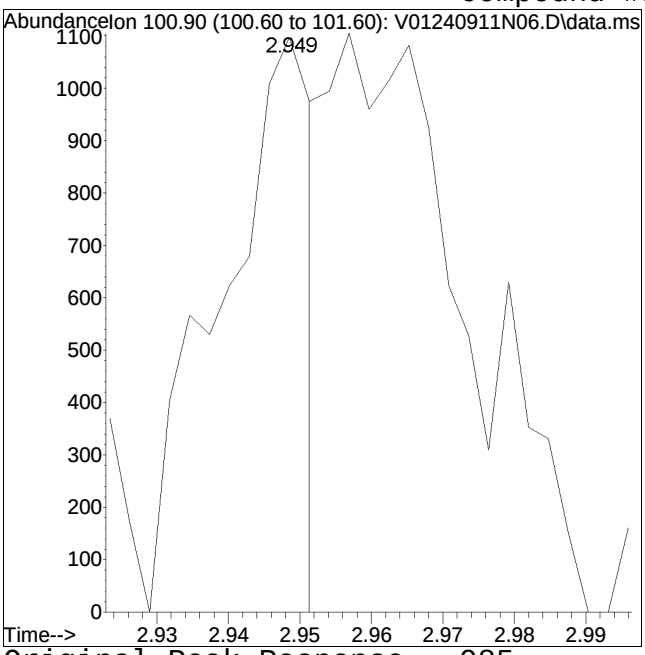
Manual Peak Response = 4406 M4

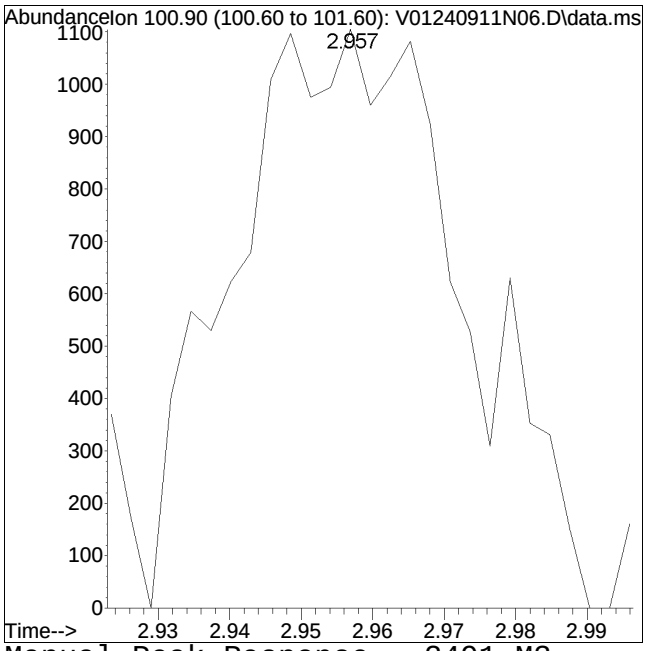
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #12: Freon-113





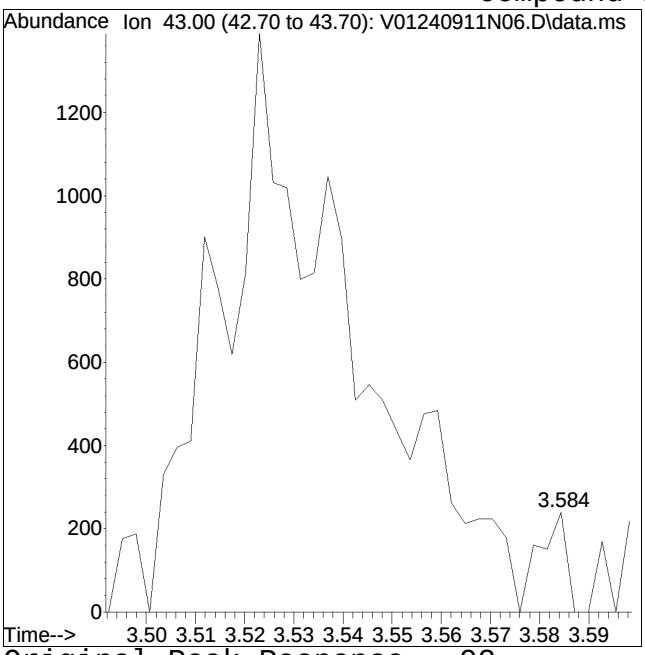
Original Peak Response = 985 Manual Peak Response = 2491 M3

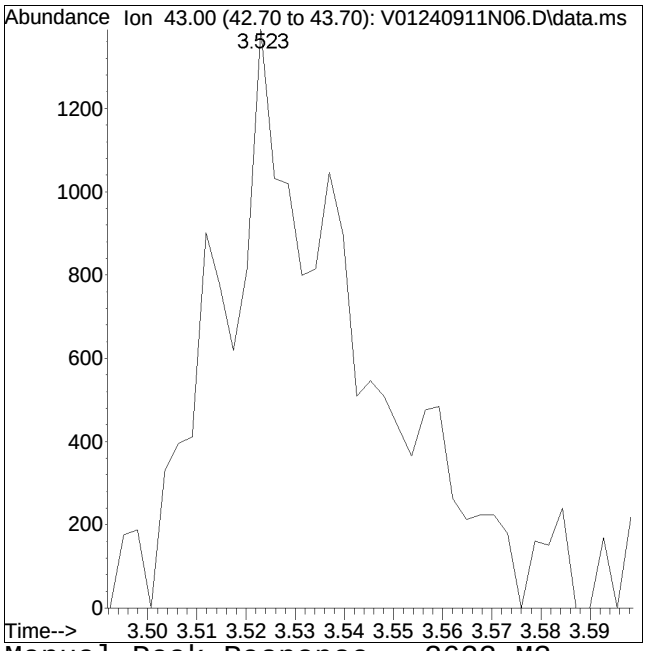
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #17: Acetone





Original Peak Response = 92 Manual Peak Response = 2623 M3

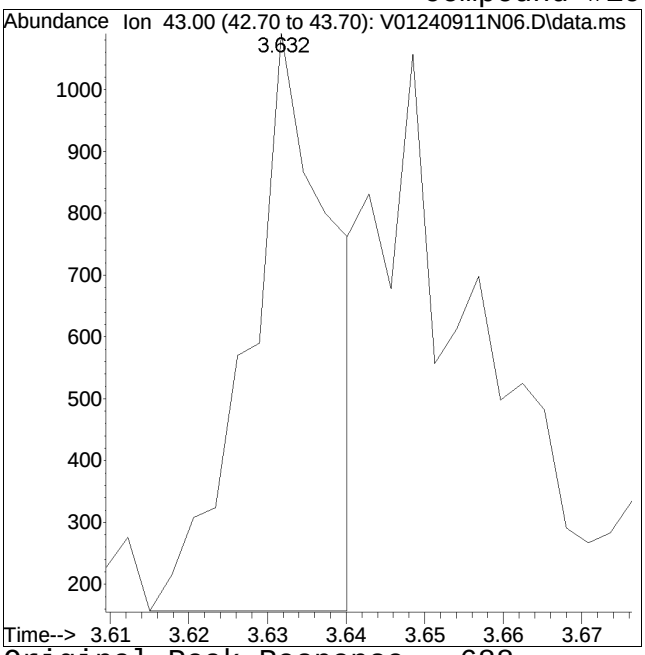
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

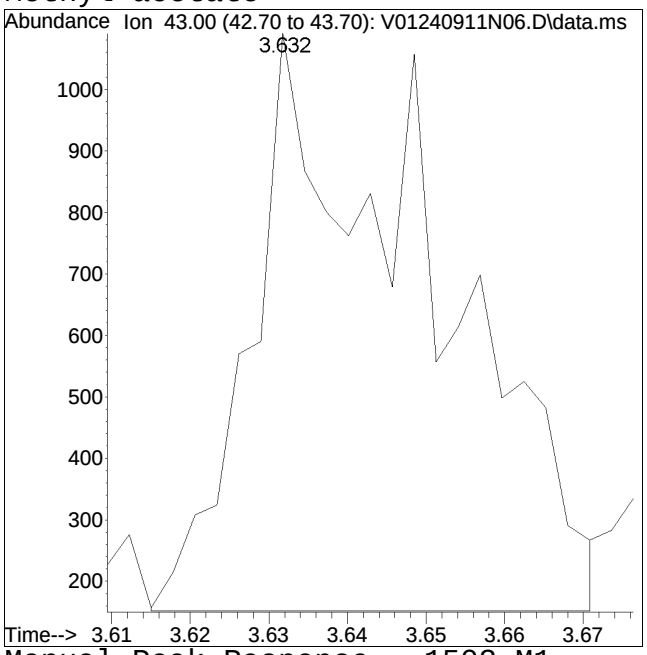
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N06.D
Date Inj'd : 9/12/2024 1:01 am
Sample : I8260STD0.5PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:24 pm

Compound #19: Methyl acetate



Original Peak Response = 688



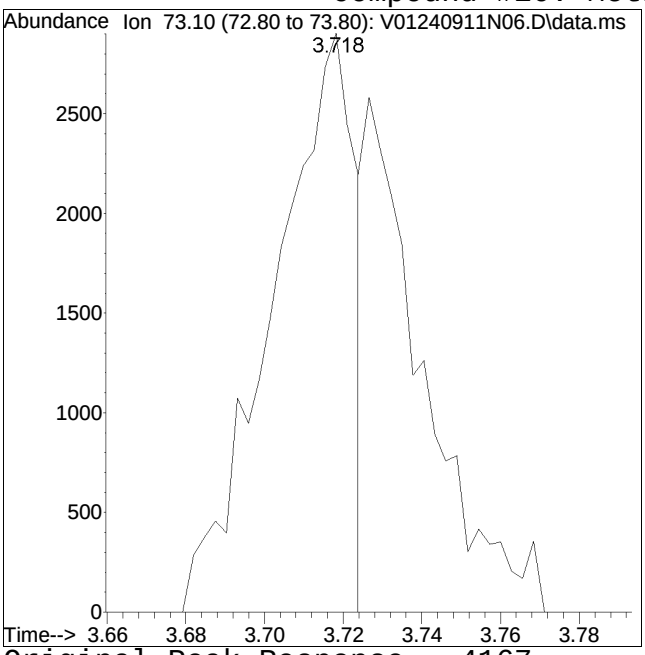
Manual Peak Response = 1503 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

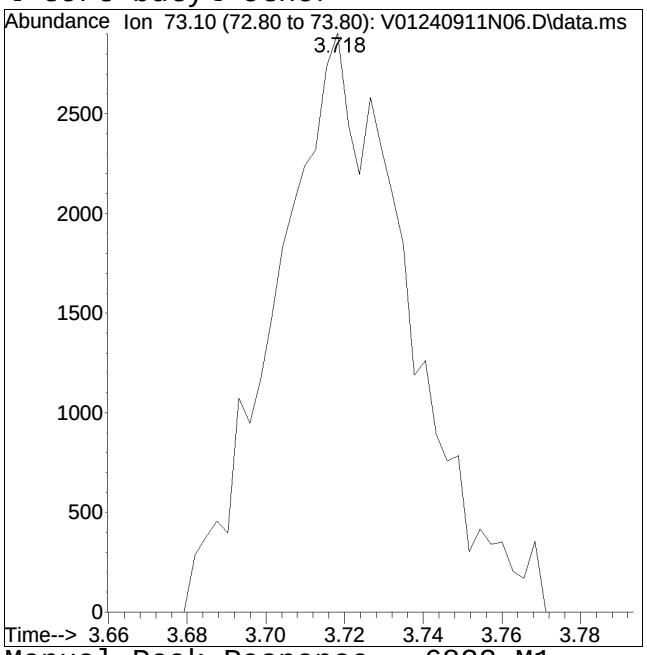
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #20: Methyl tert-butyl ether



Original Peak Response = 4167



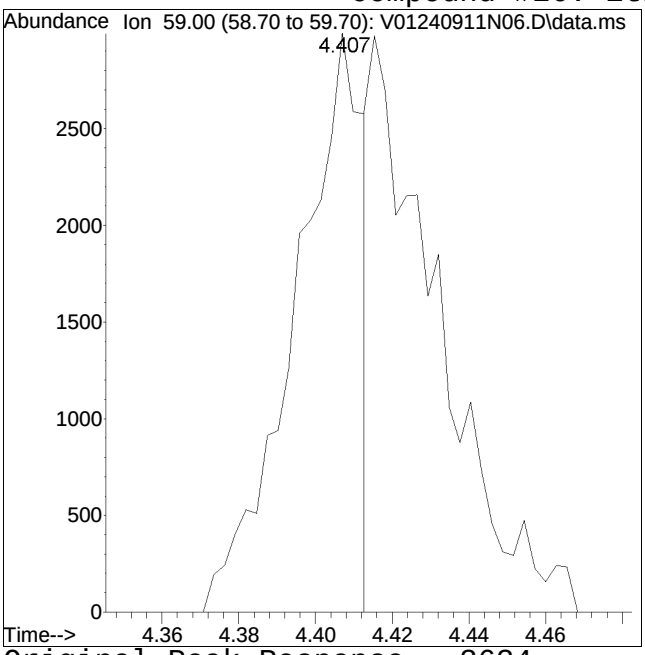
Manual Peak Response = 6822 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

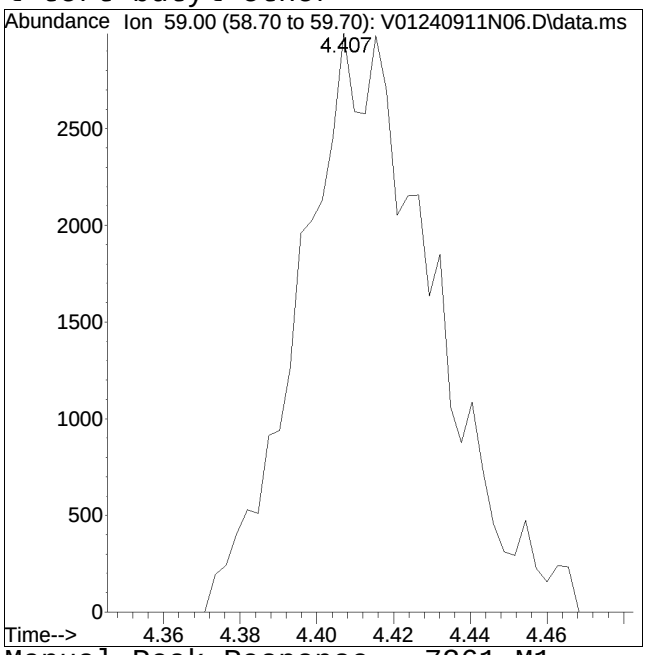
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 3634



Manual Peak Response = 7261 M1

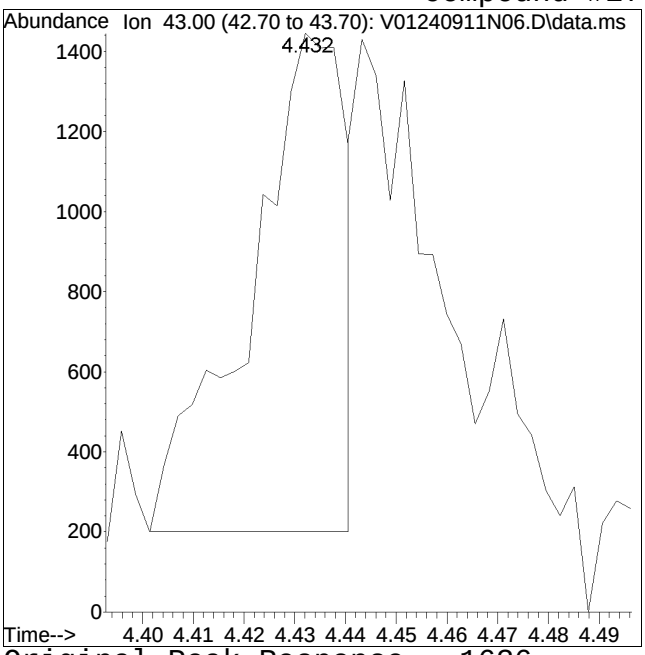
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

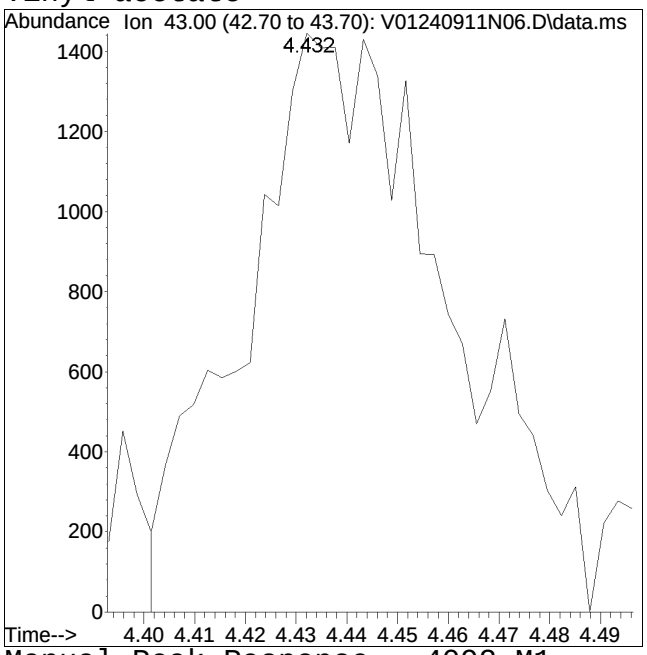
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N06.D
Date Inj'd : 9/12/2024 1:01 am
Sample : I8260STD0.5PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:24 pm

Compound #27: Vinyl acetate



Original Peak Response = 1636



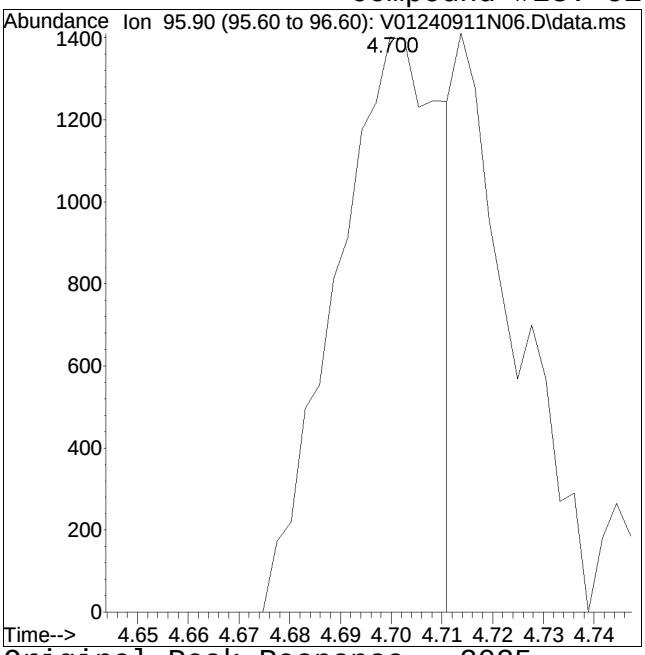
Manual Peak Response = 4092 M1

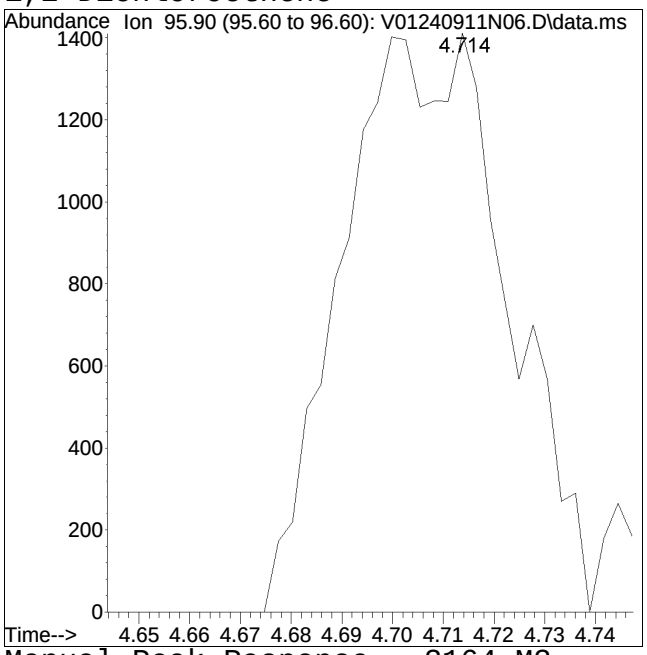
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #28: cis-1,2-Dichloroethene





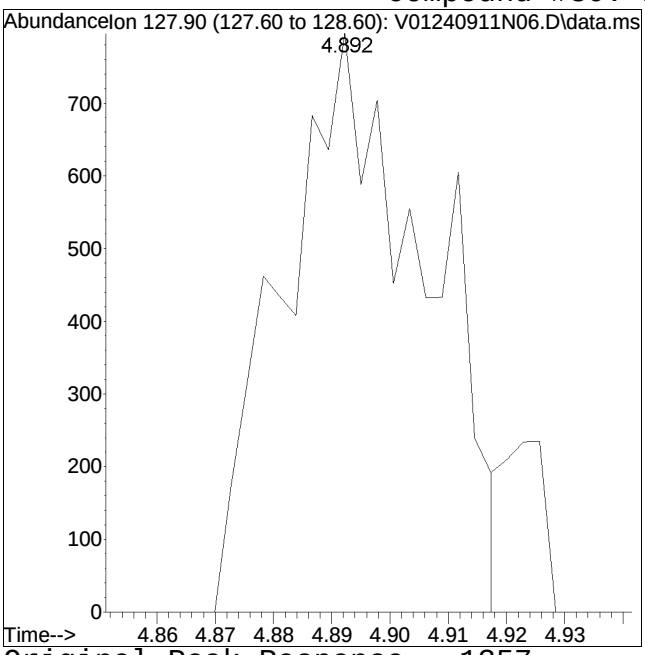
Original Peak Response = 2025 Manual Peak Response = 3164 M3

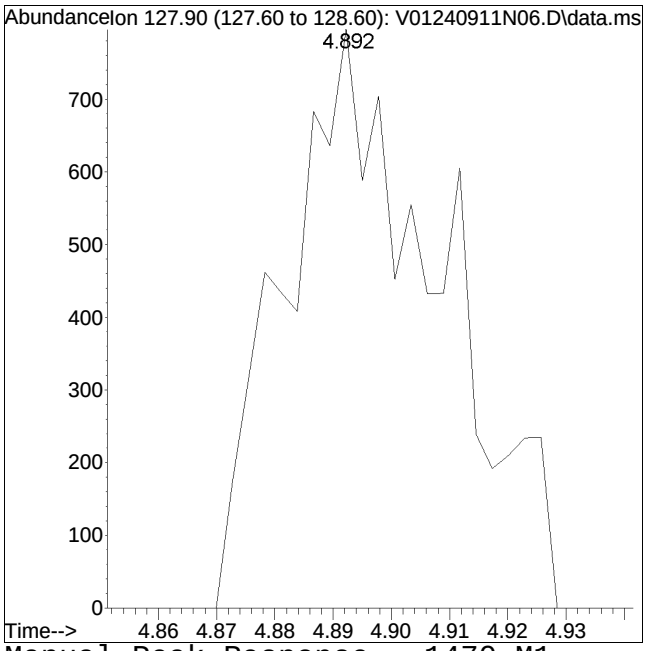
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #30: Bromochloromethane





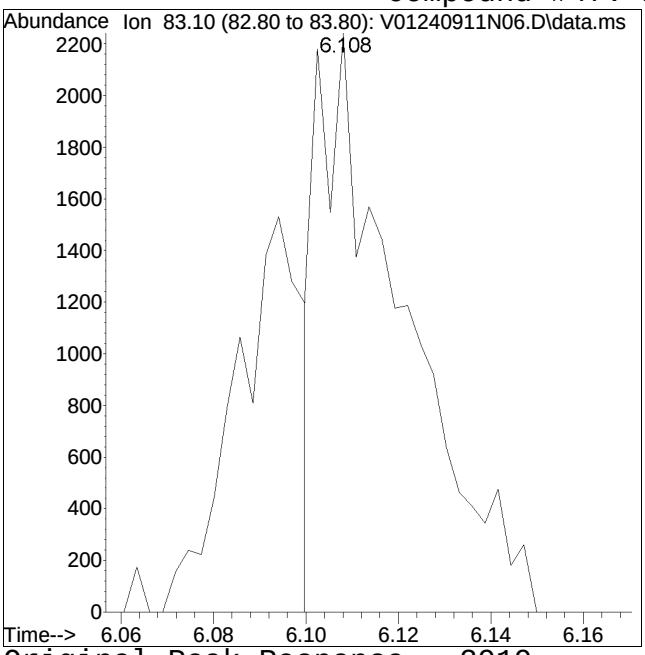
Original Peak Response = 1357 Manual Peak Response = 1470 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

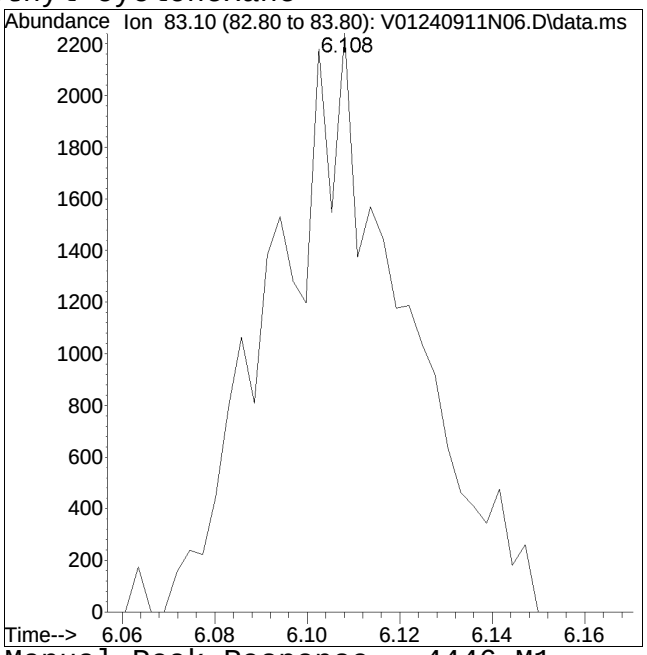
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N06.D
Date Inj'd : 9/12/2024 1:01 am
Sample : I8260STD0.5PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:24 pm

Compound #47: Methyl cyclohexane



Original Peak Response = 2919



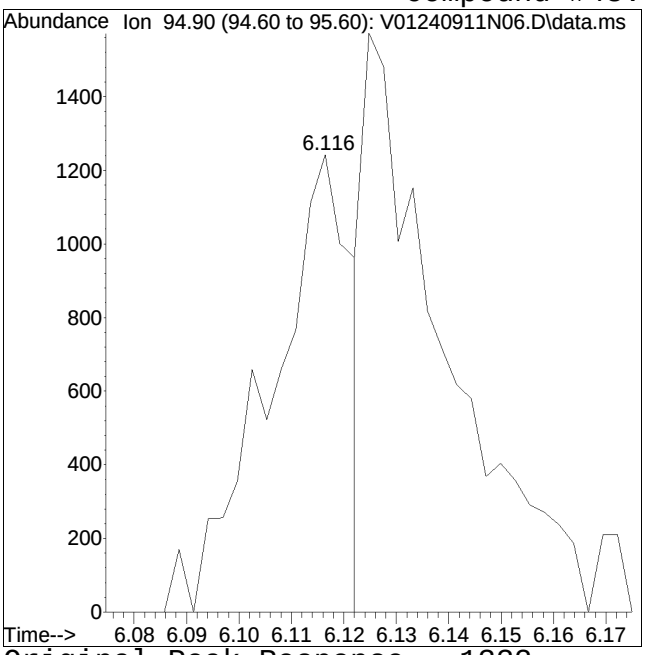
Manual Peak Response = 4446 M1

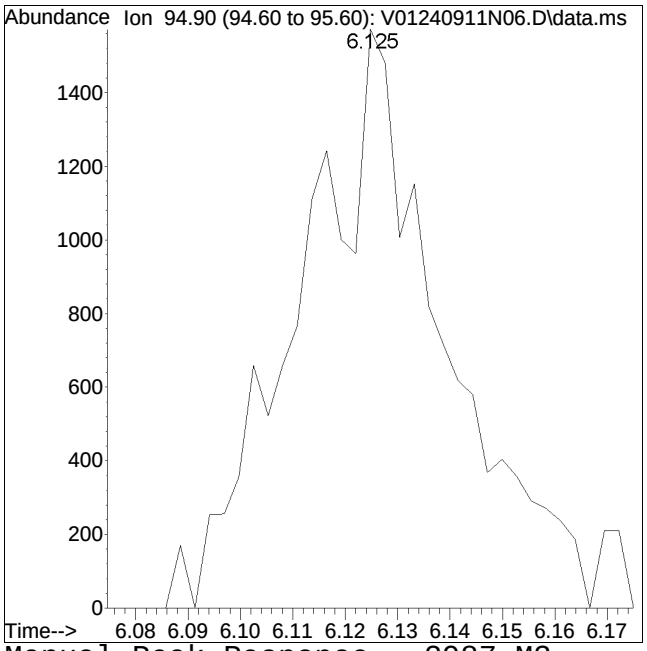
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #48: Trichloroethene





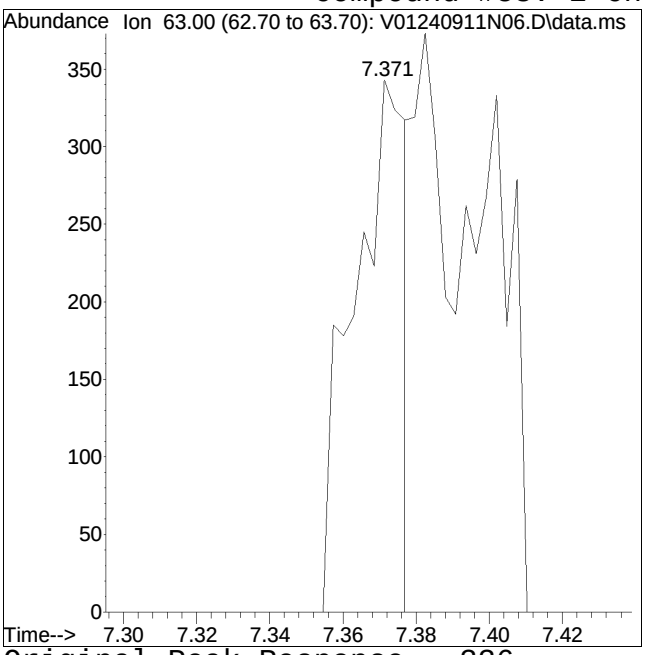
Original Peak Response = 1332 Manual Peak Response = 2987 M3

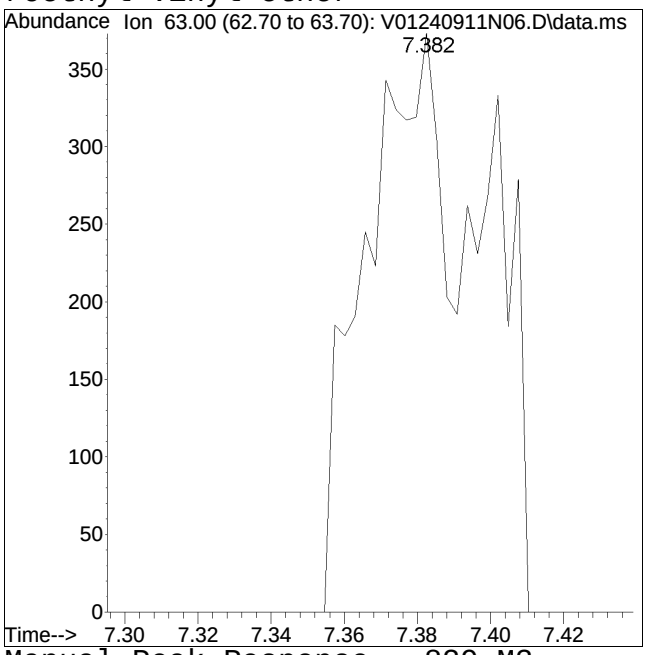
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #53: 2-Chloroethyl vinyl ether



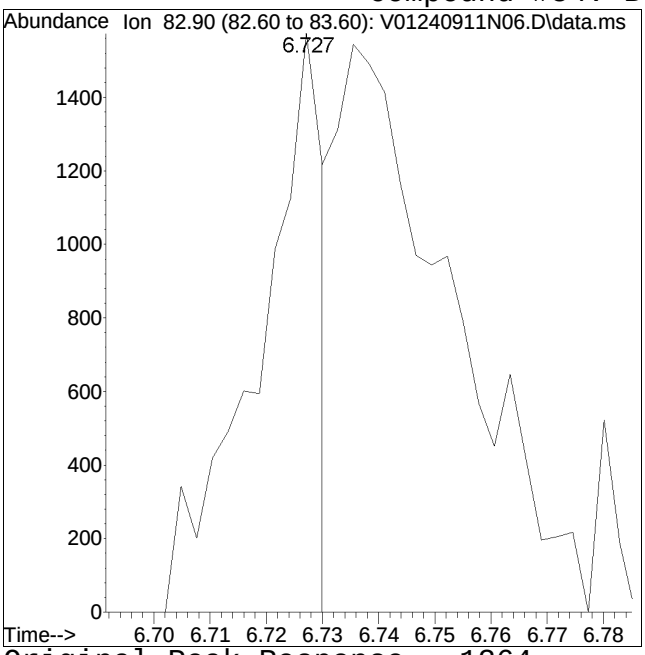


Original Peak Response = 336 Manual Peak Response = 829 M3

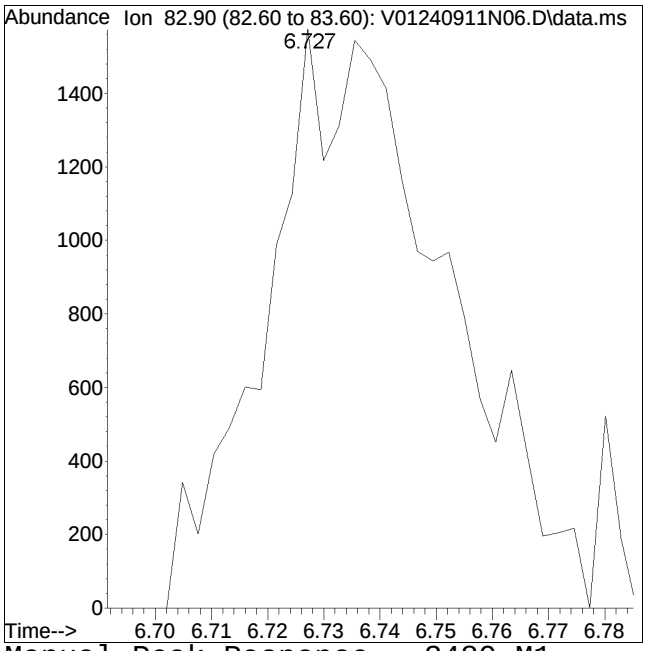
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #54: Bromodichloromethane



Original Peak Response = 1264



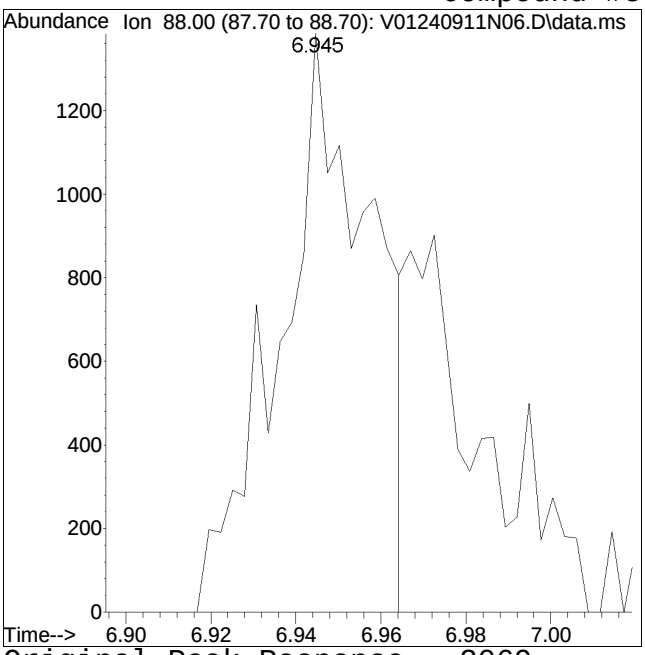
Manual Peak Response = 3489 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

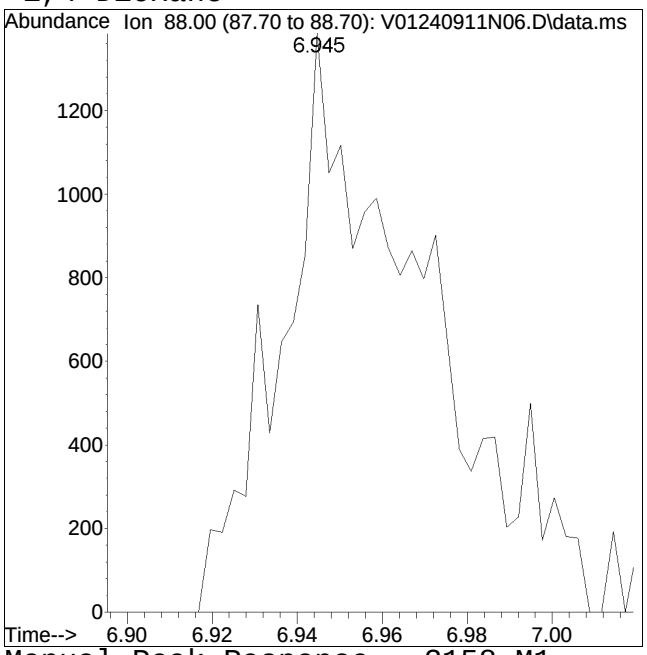
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 2069



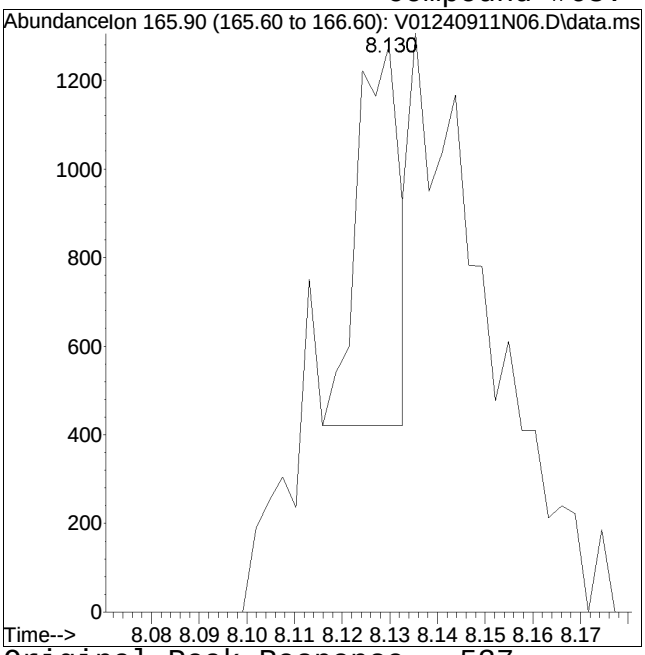
Manual Peak Response = 3158 M1

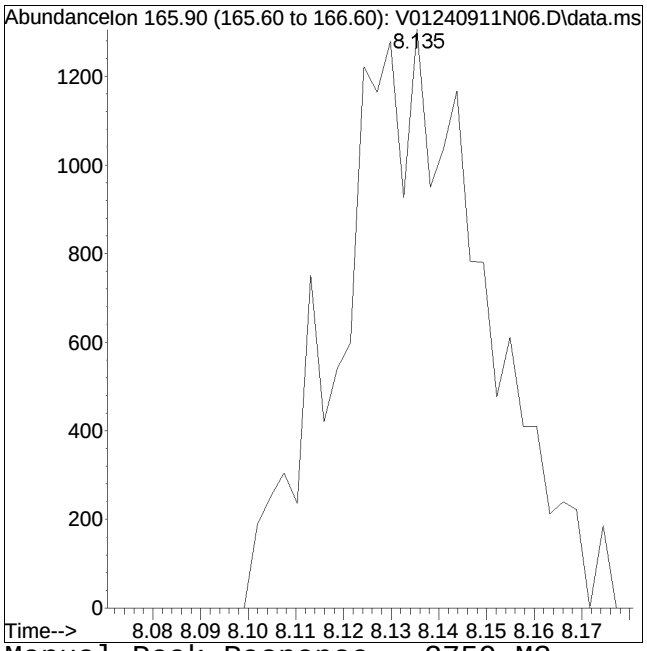
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #63: Tetrachloroethene





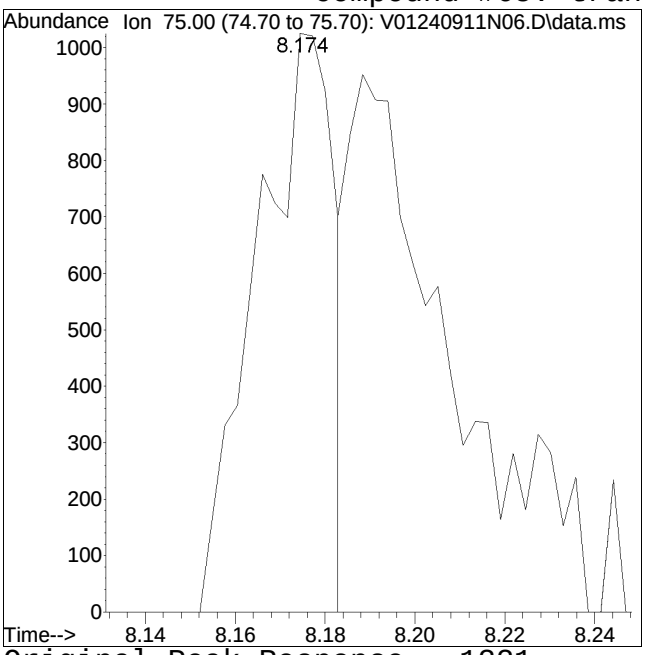
Original Peak Response = 537 Manual Peak Response = 2759 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

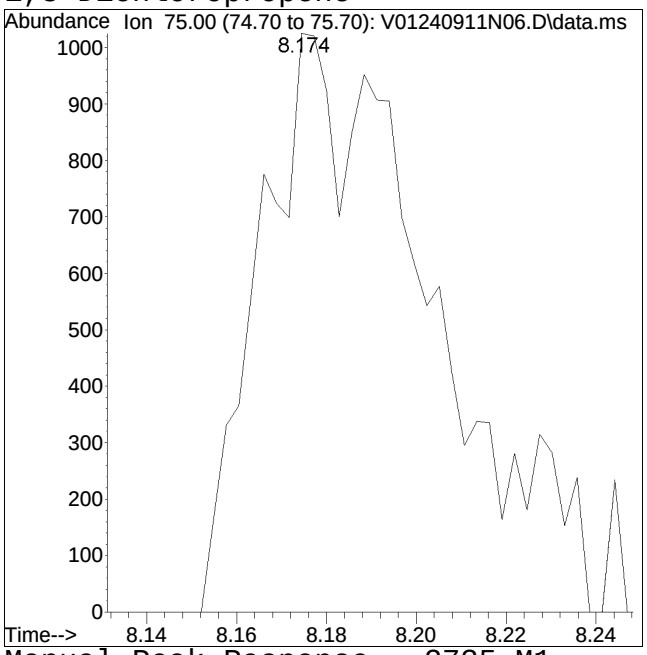
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #65: trans-1,3-Dichloropropene



Original Peak Response = 1221



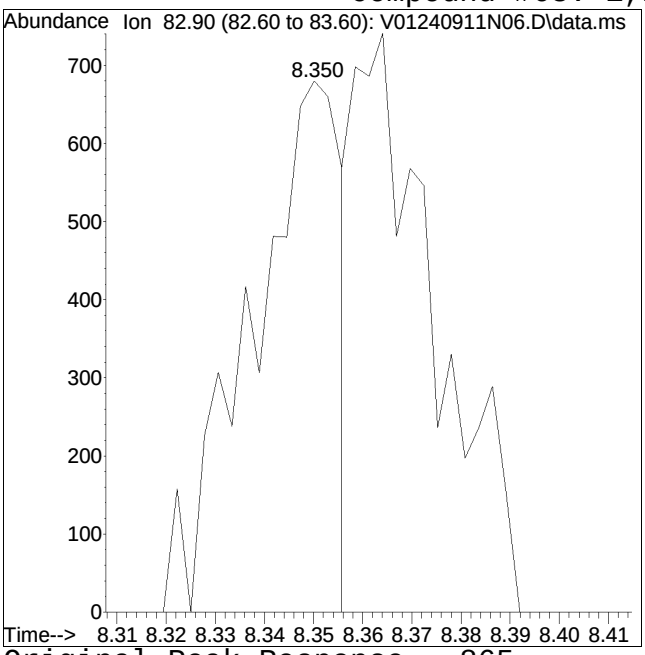
Manual Peak Response = 2735 M1

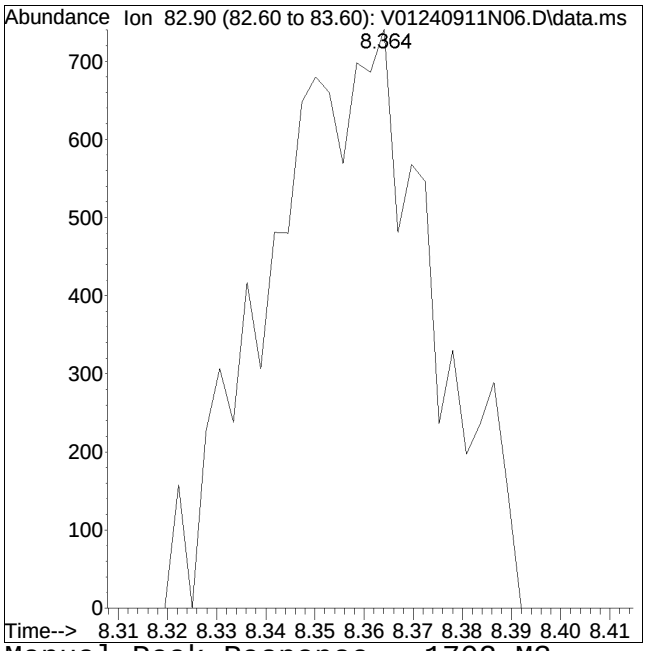
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #68: 1,1,2-Trichloroethane





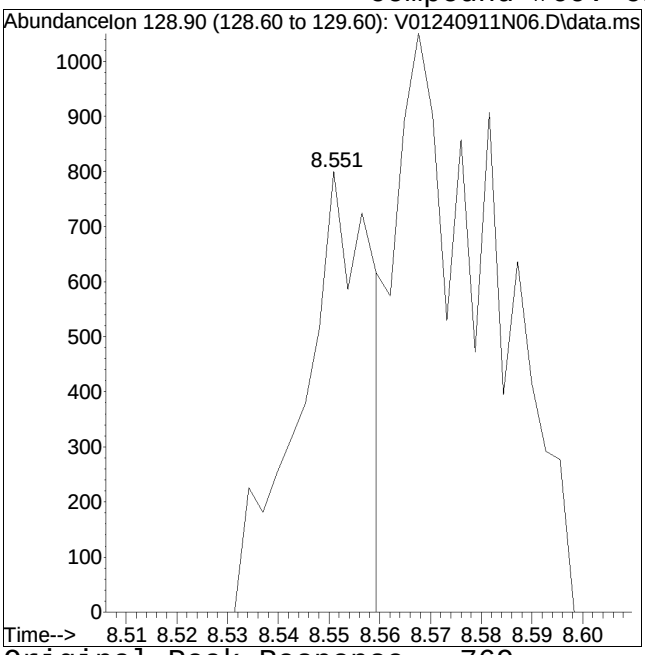
Original Peak Response = 865 Manual Peak Response = 1702 M3

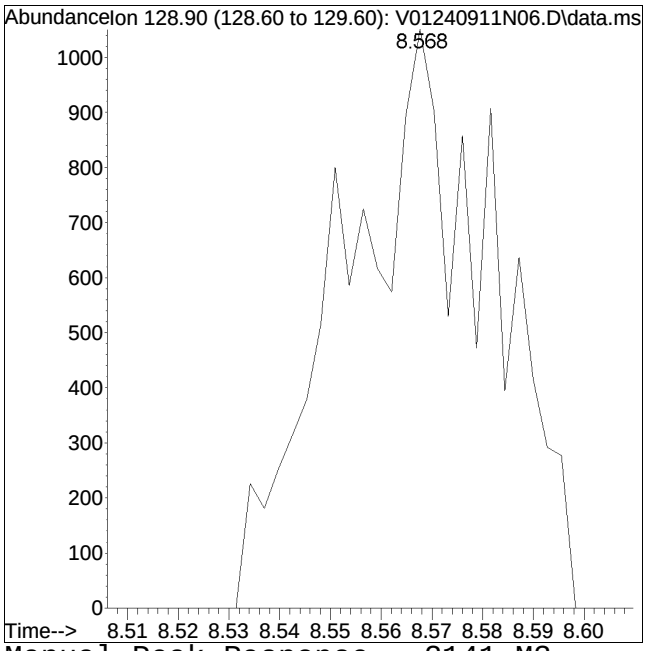
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #69: Chlorodibromomethane





Original Peak Response = 769 Manual Peak Response = 2141 M3

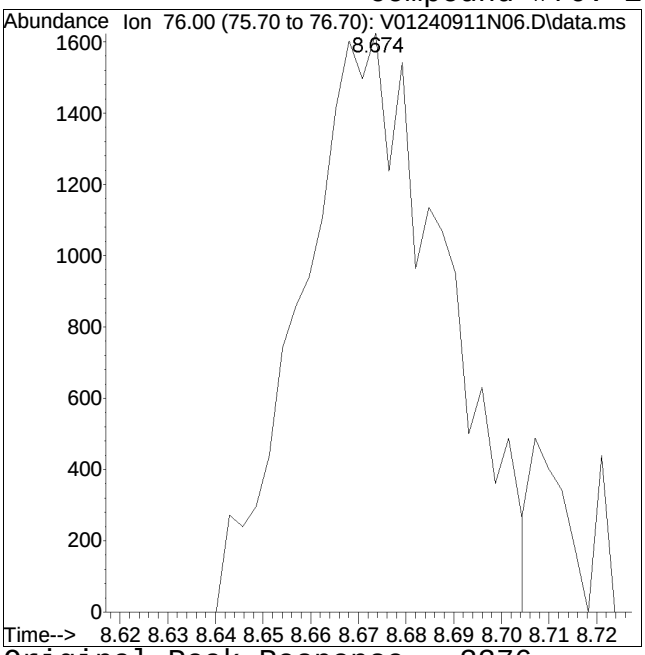
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

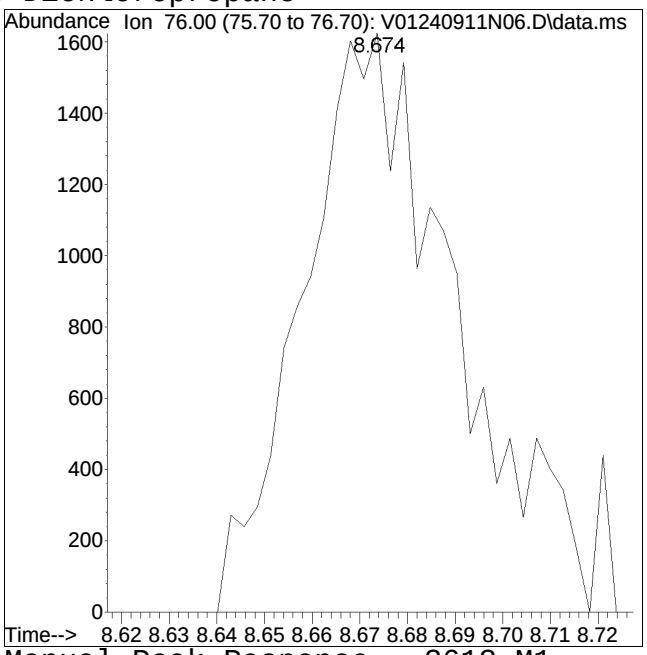
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N06.D
Date Inj'd : 9/12/2024 1:01 am
Sample : I8260STD0.5PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:24 pm

Compound #70: 1,3-Dichloropropane



Original Peak Response = 3376



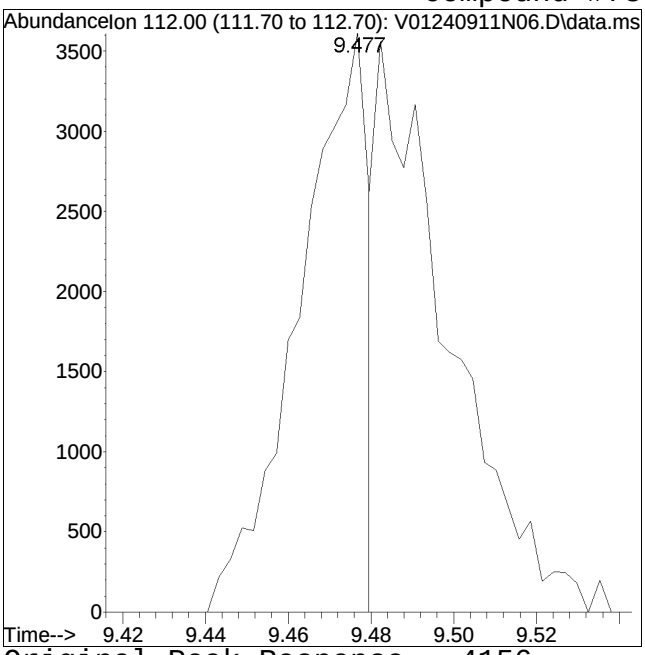
Manual Peak Response = 3613 M1

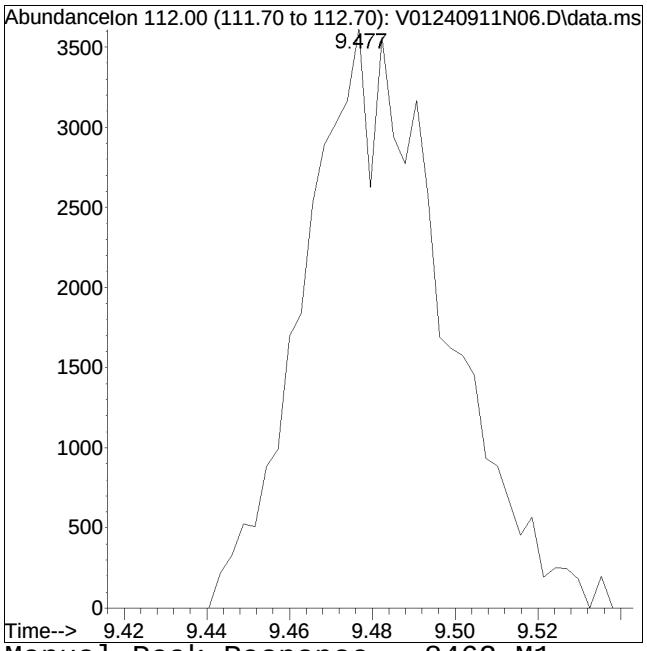
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #73: Chlorobenzene



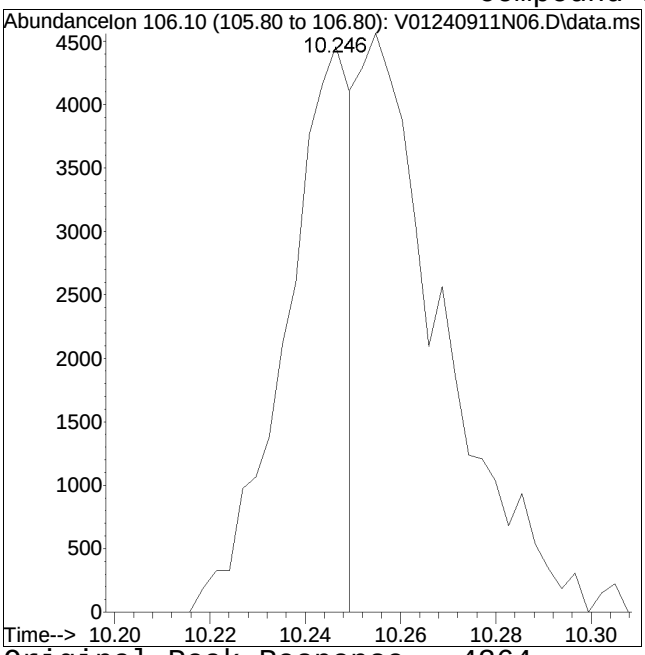


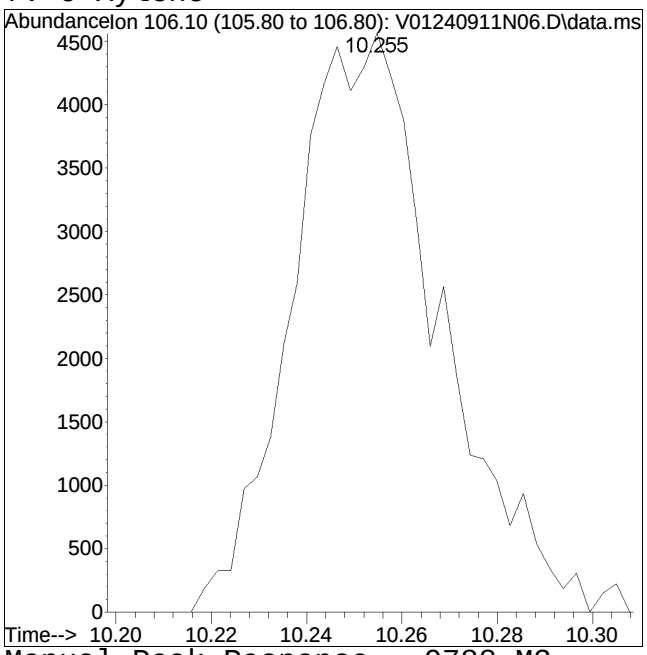
Original Peak Response = 4156 Manual Peak Response = 8462 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #77: o Xylene





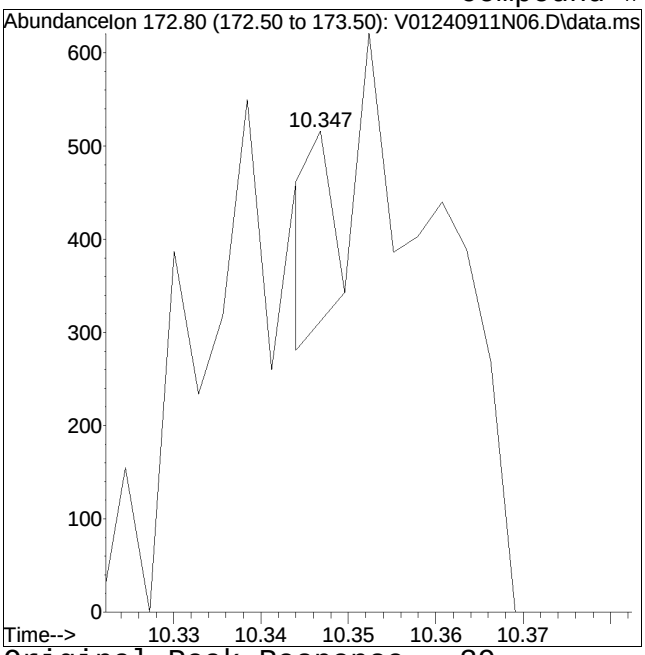
Original Peak Response = 4264 Manual Peak Response = 9788 M3

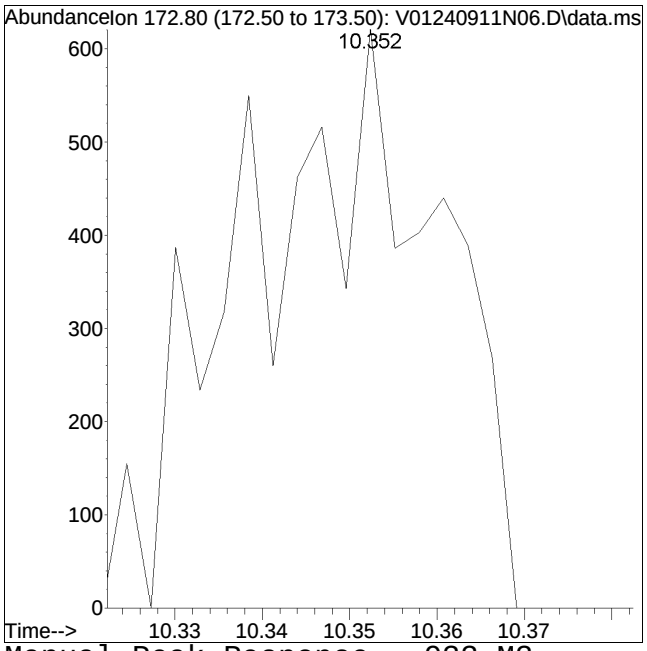
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #80: Bromoform





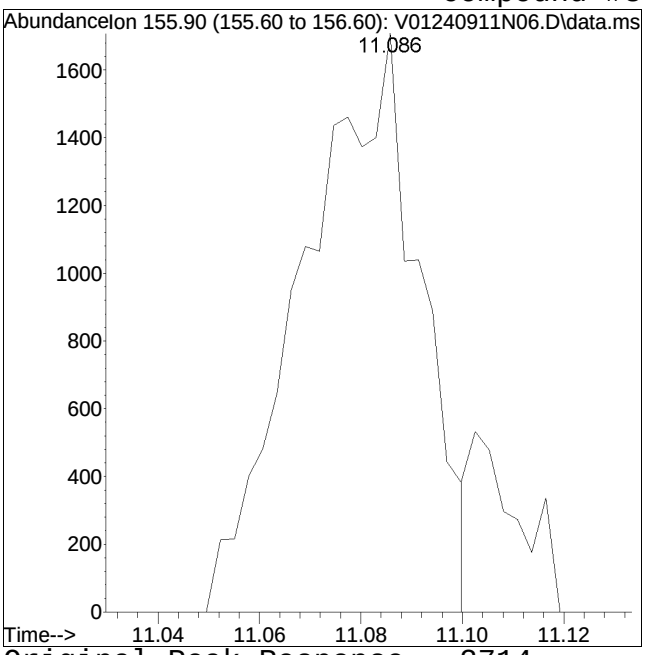
Original Peak Response = 39 Manual Peak Response = 933 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

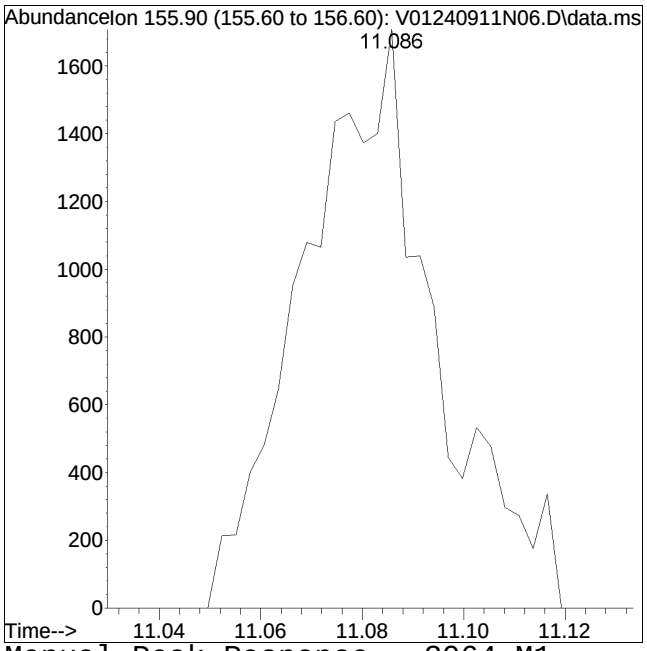
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #84: Bromobenzene



Original Peak Response = 2714



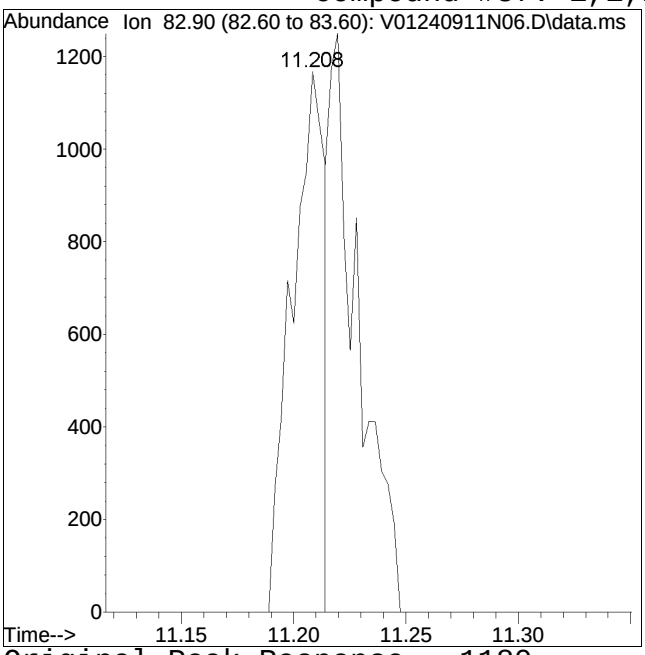
Manual Peak Response = 3064 M1

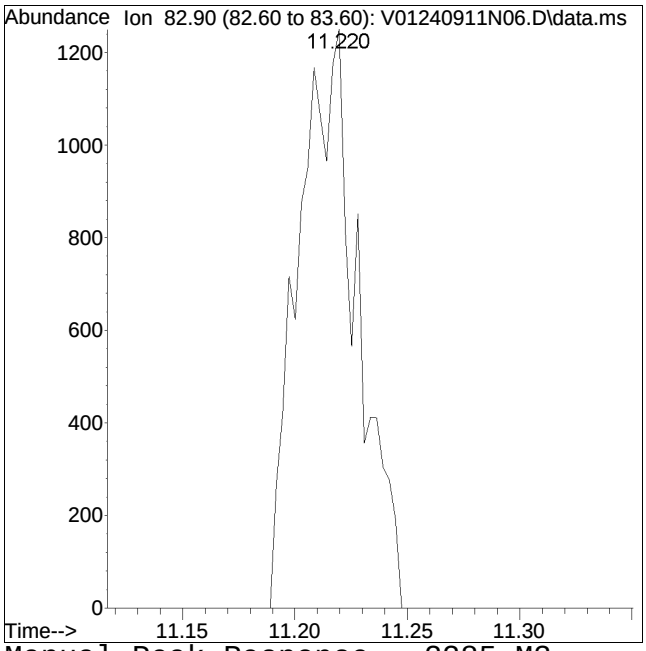
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #87: 1,1,2,2-Tetrachloroethane





Original Peak Response = 1180 Manual Peak Response = 2285 M3

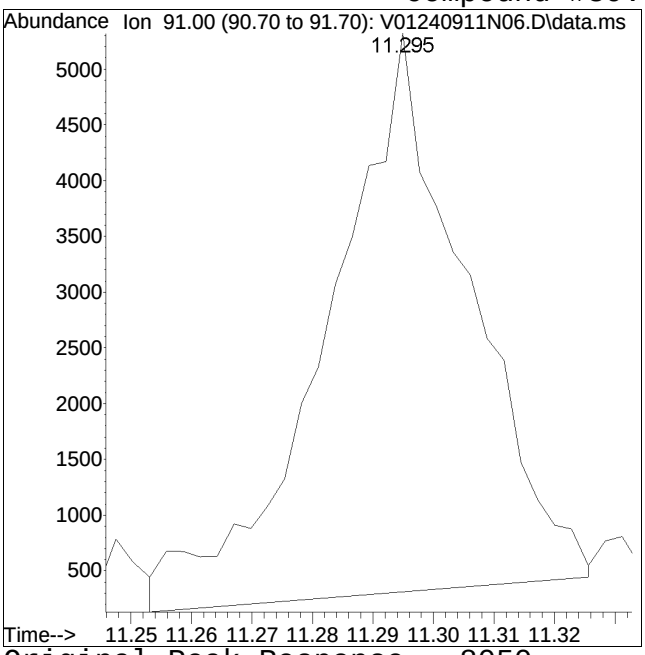
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

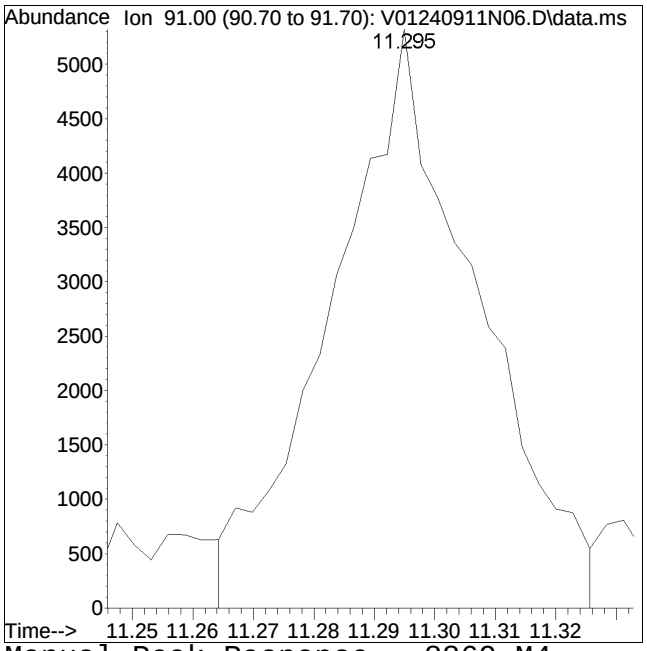
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N06.D
Date Inj'd : 9/12/2024 1:01 am
Sample : I8260STD0.5PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:24 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 8050



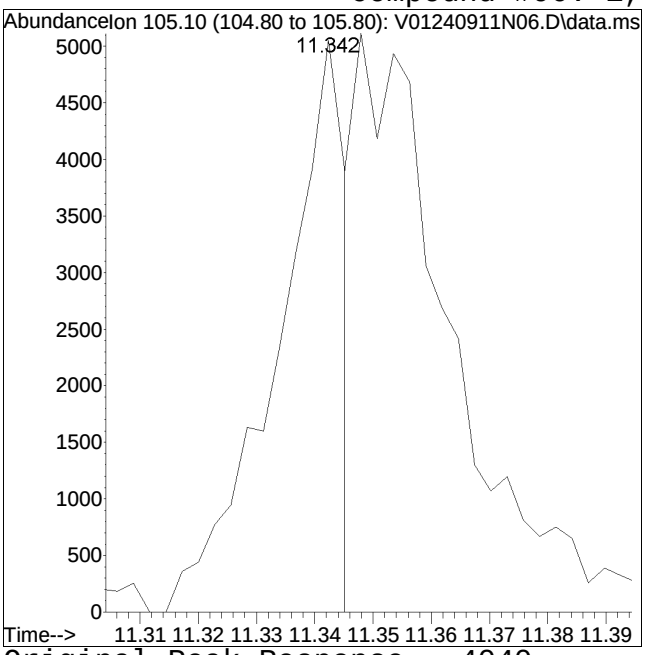
Manual Peak Response = 8869 M4

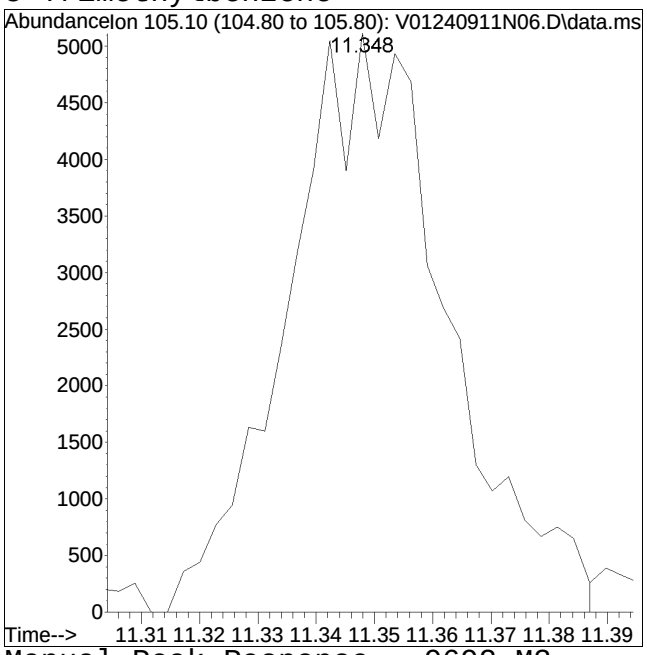
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #90: 1,3,5-Trimethylbenzene





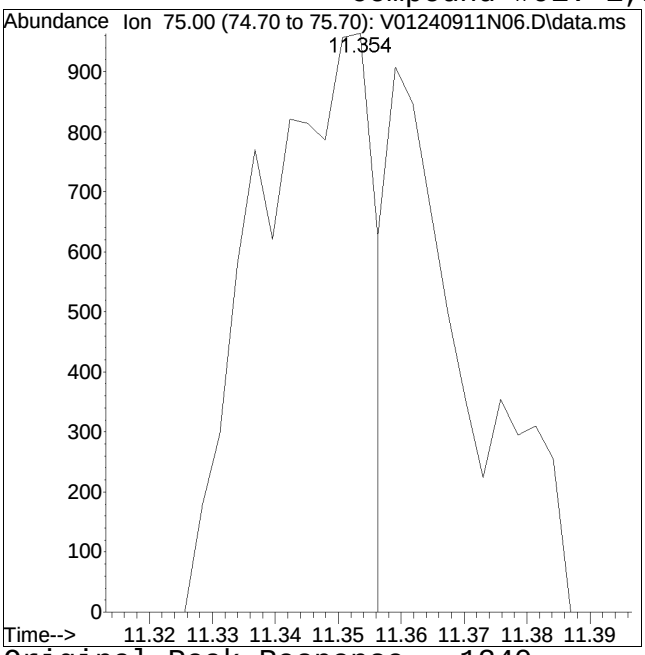
Original Peak Response = 4040 Manual Peak Response = 9692 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

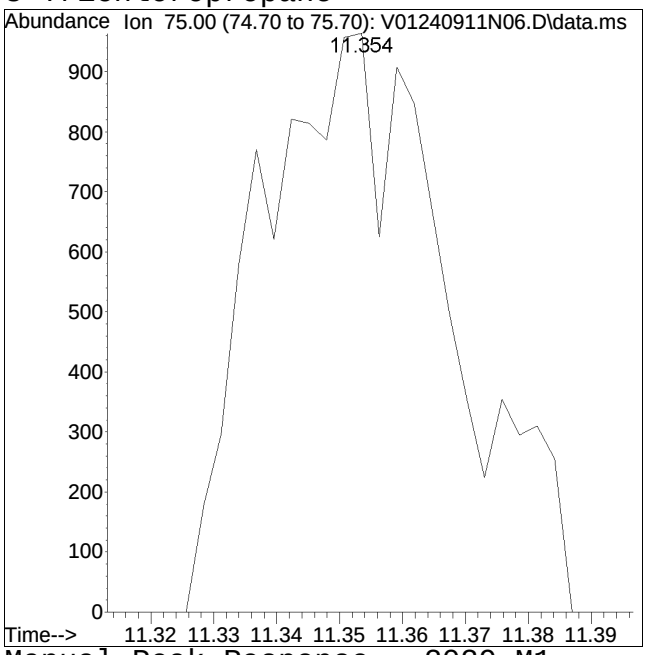
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 1240



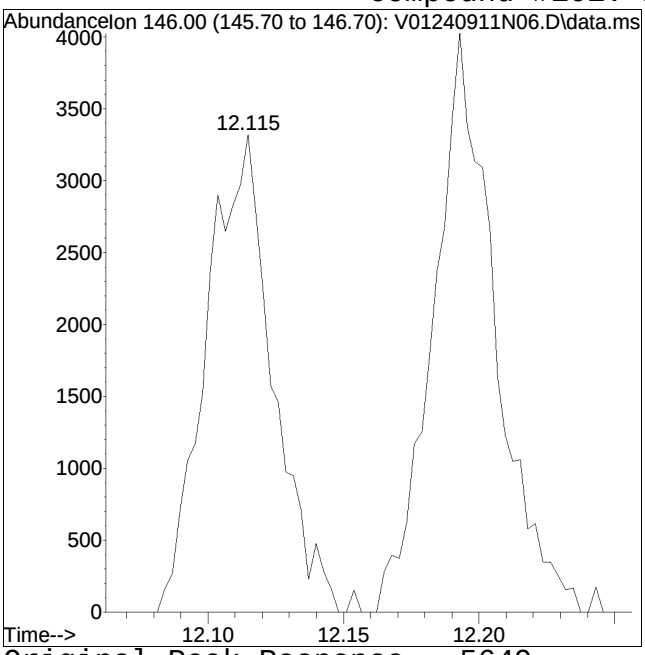
Manual Peak Response = 2029 M1

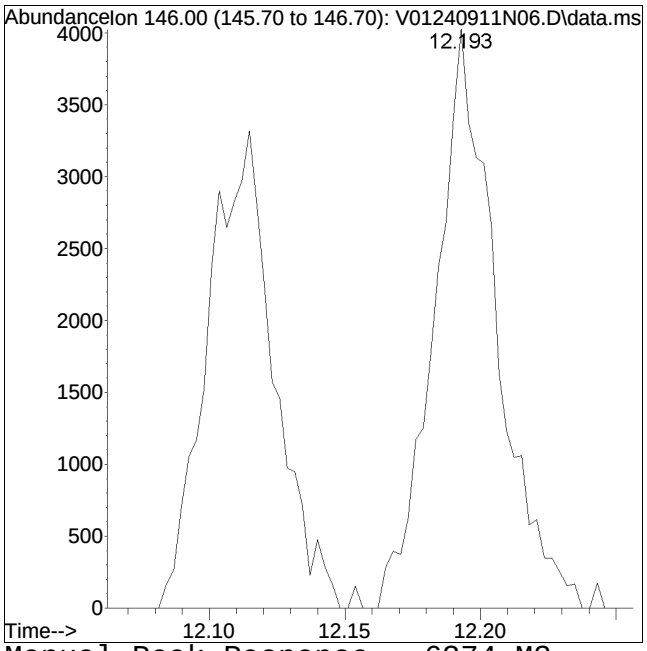
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #101: 1,4-Dichlorobenzene





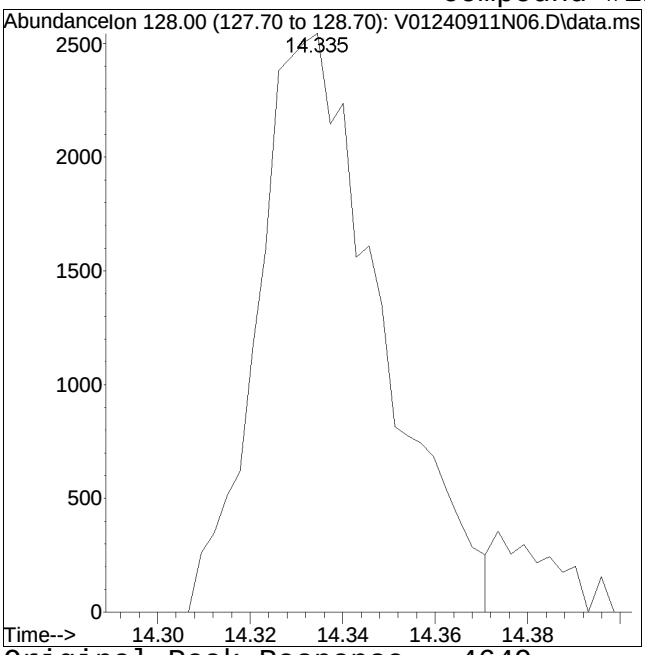
Original Peak Response = 5649 Manual Peak Response = 6374 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

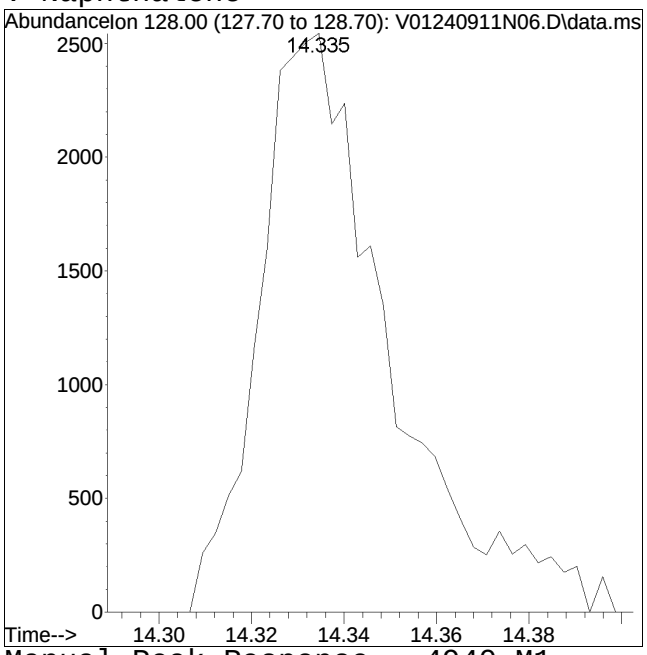
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N06.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:01 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 9/12/2024 12:24 pm

Compound #110: Naphthalene



Original Peak Response = 4649



Manual Peak Response = 4940 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N07.D
Acq On : 12 Sep 2024 1:27 am
Operator : VOA101:PID
Sample : I8260STD2PPB
Misc : WG1970861,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 12:27:41 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:27:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	280125	10.000	ug/L	0.00
Standard Area 1 = 290042			Recovery = 96.58%			
59) Chlorobenzene-d5	9.460	117	217892	10.000	ug/L	0.00
Standard Area 1 = 228912			Recovery = 95.19%			
79) 1,4-Dichlorobenzene-d4	12.179	152	110262	10.000	ug/L	0.00
Standard Area 1 = 118116			Recovery = 93.35%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.138	113	71671	10.077	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.77%			
43) 1,2-Dichloroethane-d4	5.656	65	82493	10.033	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.33%			
60) Toluene-d8	7.617	98	272178	9.965	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.65%			
83) 4-Bromofluorobenzene	10.963	95	97576	10.057	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.57%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.638	85	16278	2.298	ug/L	97
3) Chloromethane	1.830	50	18772	2.268	ug/L	96
4) Vinyl chloride	1.900	62	22876	2.290	ug/L	74
5) Bromomethane	2.198	94	13523	2.134	ug/L	98
6) Chloroethane	2.307	64	27854	2.098	ug/L	94
7) Trichlorofluoromethane	2.446	101	51340	2.251	ug/L	100
8) Ethyl ether	2.736	74	12937	2.104	ug/L	95
10) 1,1-Dichloroethene	2.918	96	11931	2.069	ug/L	96
11) Carbon disulfide	2.951	76	34654	1.980	ug/L	99
12) Freon-113	2.957	101	12935	2.249	ug/L	88
13) Iodomethane	3.054	142	13555	2.109	ug/L	99
14) Acrolein	3.247	56	795M1	1.791	ug/L	
15) Methylene chloride	3.467	84	13832	2.003	ug/L	98
17) Acetone	3.517	43	3531M1	1.287	ug/L	
18) trans-1,2-Dichloroethene	3.618	96	13420	2.168	ug/L	95
19) Methyl acetate	3.637	43	6053M1	2.157	ug/L	
20) Methyl tert-butyl ether	3.721	73	29789	2.089	ug/L #	91
21) tert-Butyl alcohol	3.816	59	2504M1	9.643	ug/L	
22) Diisopropyl ether	4.072	45	39759	2.121	ug/L	96
23) 1,1-Dichloroethane	4.189	63	25203	2.203	ug/L	99
24) Halothane	4.237	117	9596M1	2.127	ug/L	

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N07.D
Acq On : 12 Sep 2024 1:27 am
Operator : VOA101:PID
Sample : I8260STD2PPB
Misc : WG1970861,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 12:27:41 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:27:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.256	53	2246M3	1.951	ug/L		
26) Ethyl tert-butyl ether	4.415	59	32516M3	2.094	ug/L		
27) Vinyl acetate	4.432	43	17912	2.101	ug/L	#	92
28) cis-1,2-Dichloroethene	4.705	96	14669	2.117	ug/L		97
29) 2,2-Dichloropropane	4.800	77	18095	2.168	ug/L	#	82
30) Bromochloromethane	4.898	128	6631	2.092	ug/L		98
31) Cyclohexane	4.892	56	22341	2.270	ug/L		93
32) Chloroform	4.970	83	25602M3	2.181	ug/L		
33) Ethyl acetate	5.082	43	7017M1	2.009	ug/L		
34) Carbon tetrachloride	5.101	117	18840M3	2.374	ug/L		
35) Tetrahydrofuran	5.129	42	2204M6	1.903	ug/L		
37) 1,1,1-Trichloroethane	5.165	97	23054	2.237	ug/L	#	83
39) 2-Butanone	5.263	43	3205M1	2.114	ug/L		
40) 1,1-Dichloropropene	5.285	75	18629	2.193	ug/L		99
41) Benzene	5.525	78	55258	2.185	ug/L		99
42) tert-Amyl methyl ether	5.634	73	28404	2.096	ug/L	#	79
44) 1,2-Dichloroethane	5.731	62	16704	2.141	ug/L		99
47) Methyl cyclohexane	6.102	83	22677	2.244	ug/L		98
48) Trichloroethene	6.125	95	15578	2.348	ug/L		99
50) Dibromomethane	6.560	93	7190	2.091	ug/L		96
51) 1,2-Dichloropropane	6.652	63	13550M1	2.182	ug/L		
53) 2-Chloroethyl vinyl ether	7.352	63	4599M1	2.129	ug/L		
54) Bromodichloromethane	6.733	83	16514	2.064	ug/L		99
57) 1,4-Dioxane	6.942	88	14072M1	411.387	ug/L		
58) cis-1,3-Dichloropropene	7.416	75	17219	2.090	ug/L		90
61) Toluene	7.675	92	36010	2.115	ug/L		96
62) 4-Methyl-2-pentanone	8.124	58	2064M1	1.906	ug/L		
63) Tetrachloroethene	8.133	166	14681	2.245	ug/L	#	79
65) trans-1,3-Dichloropropene	8.169	75	13313	2.007	ug/L	#	75
67) Ethyl methacrylate	8.358	69	8639	1.738	ug/L		77
68) 1,1,2-Trichloroethane	8.347	83	7998	2.090	ug/L	#	83
69) Chlorodibromomethane	8.562	129	10381	2.048	ug/L		99
70) 1,3-Dichloropropane	8.662	76	16524	2.077	ug/L		98
71) 1,2-Dibromoethane	8.835	107	9095	2.220	ug/L		99
72) 2-Hexanone	9.148	43	3461M1	1.827	ug/L		
73) Chlorobenzene	9.479	112	38826	2.131	ug/L	#	67
74) Ethylbenzene	9.516	91	66524	2.124	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.563	131	11944	2.058	ug/L		94
76) p/m Xylene	9.703	106	51920	4.398	ug/L		96
77) o Xylene	10.243	106	48182	4.266	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N07.D
Acq On : 12 Sep 2024 1:27 am
Operator : VOA101:PID
Sample : I8260STD2PPB
Misc : WG1970861,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 12:27:41 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:27:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.316	104	70663	4.253	ug/L		96
80) Bromoform	10.344	173	5089	2.094	ug/L		90
82) Isopropylbenzene	10.637	105	65432	2.210	ug/L		99
84) Bromobenzene	11.072	156	15088	2.153	ug/L		98
85) n-Propylbenzene	11.119	91	76578	2.194	ug/L		98
86) 1,4-Dichlorobutane	11.133	55	15583	2.079	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.208	83	10816	2.110	ug/L		98
88) 4-Ethyltoluene	11.245	105	61325	2.185	ug/L		96
89) 2-Chlorotoluene	11.292	91	43841M1	2.136	ug/L		
90) 1,3,5-Trimethylbenzene	11.348	105	49228	2.108	ug/L		99
91) 1,2,3-Trichloropropane	11.345	75	8954M4	2.089	ug/L		
92) trans-1,4-Dichloro-2-b...	11.409	53	2327M1	1.812	ug/L		
93) 4-Chlorotoluene	11.470	91	43113	2.163	ug/L		99
94) tert-Butylbenzene	11.685	119	43336	2.190	ug/L		97
97) 1,2,4-Trimethylbenzene	11.766	105	49236	2.144	ug/L		98
98) sec-Butylbenzene	11.878	105	62589	2.153	ug/L		100
99) p-Isopropyltoluene	12.034	119	50422	2.202	ug/L		99
100) 1,3-Dichlorobenzene	12.106	146	27218	2.097	ug/L		99
101) 1,4-Dichlorobenzene	12.196	146	28942	2.098	ug/L		99
102) p-Diethylbenzene	12.410	119	27567	2.214	ug/L		98
103) n-Butylbenzene	12.466	91	42137	2.173	ug/L		99
104) 1,2-Dichlorobenzene	12.619	146	24081	2.052	ug/L		98
105) 1,2,4,5-Tetramethylben...	13.202	119	35022	2.104	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.397	155	962	2.669	ug/L		90
107) 1,3,5-Trichlorobenzene	13.431	180	13051	2.073	ug/L		95
108) Hexachlorobutadiene	14.008	225	4546	2.208	ug/L		98
109) 1,2,4-Trichlorobenzene	14.033	180	10024	2.059	ug/L		95
110) Naphthalene	14.326	128	20287	1.947	ug/L		100
111) 1,2,3-Trichlorobenzene	14.491	180	7989	2.069	ug/L	#	87

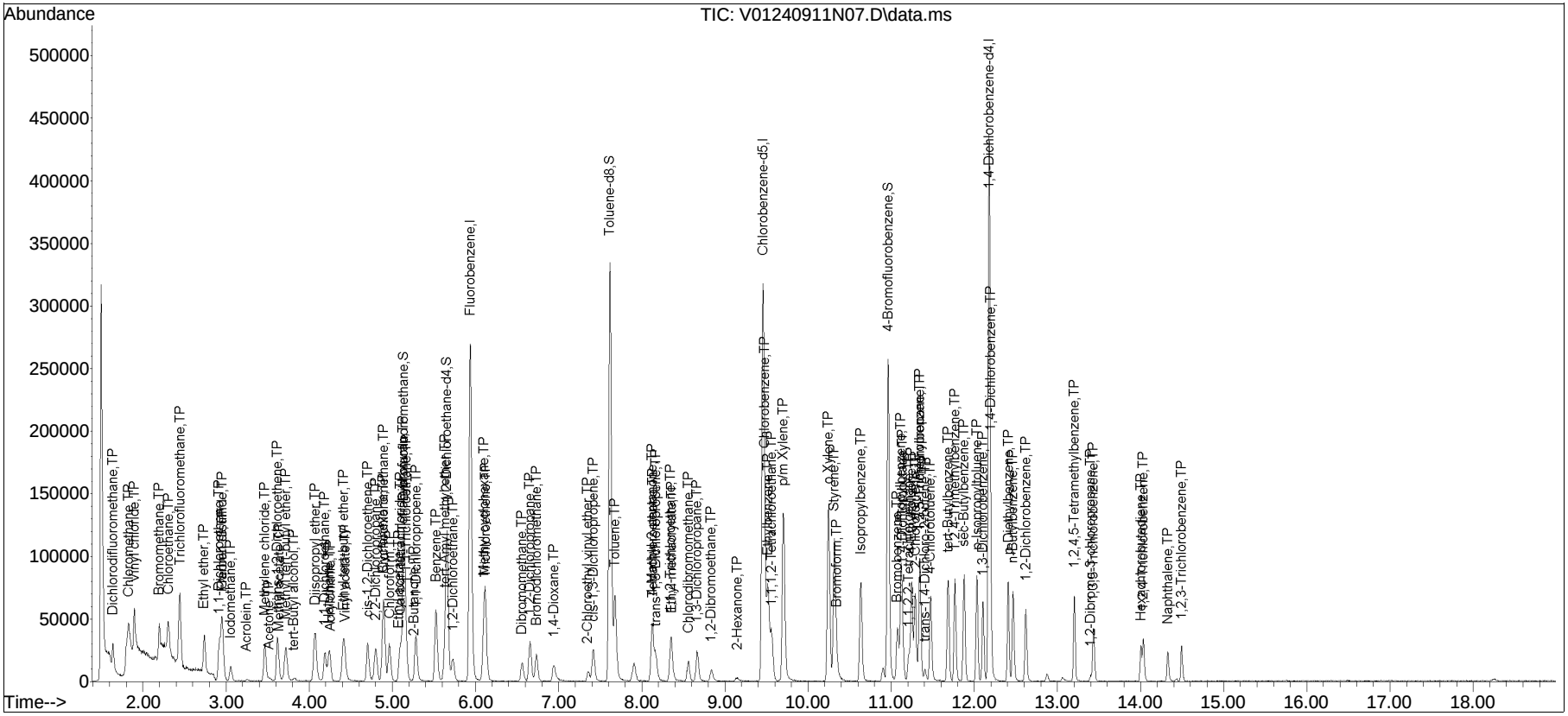
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N07.D
Acq On : 12 Sep 2024 1:27 am
Operator : VOA101:PID
Sample : I8260STD2PPB
Misc : WG1970861,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 12 12:27:41 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:27:20 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V01240911N08.D•

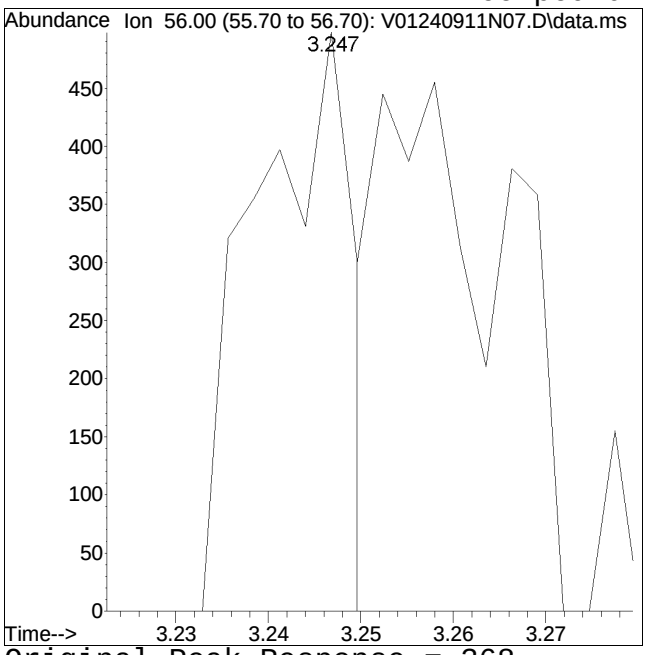


Manual Integration Report

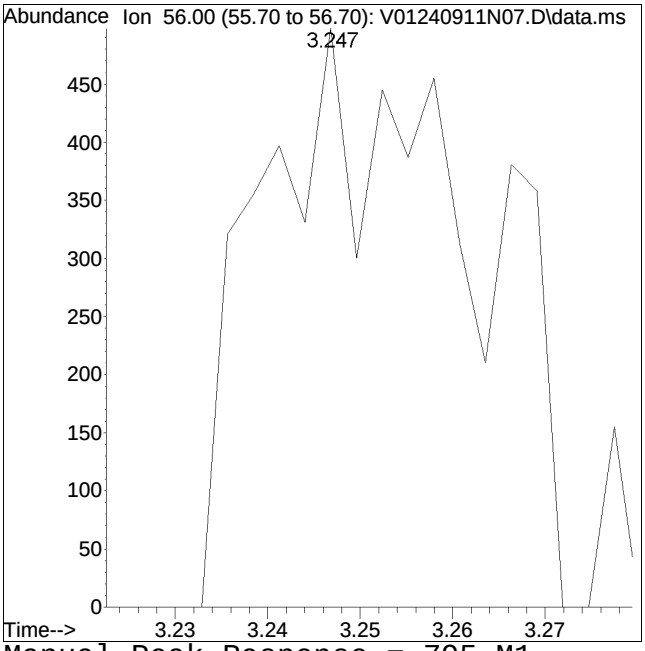
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N07.D
Date Inj'd : 9/12/2024 1:27 am
Sample : I8260STD2PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:27 pm

Compound #14: Acrolein



Original Peak Response = 368



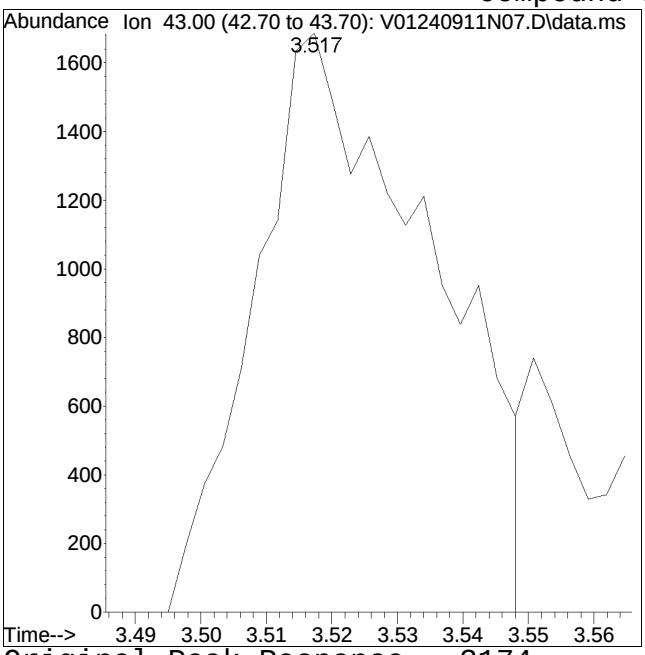
Manual Peak Response = 795 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

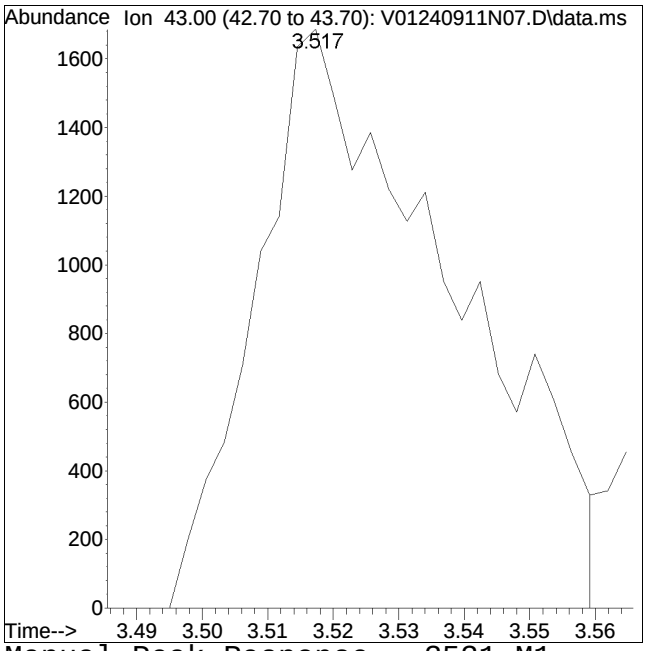
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #17: Acetone



Original Peak Response = 3174



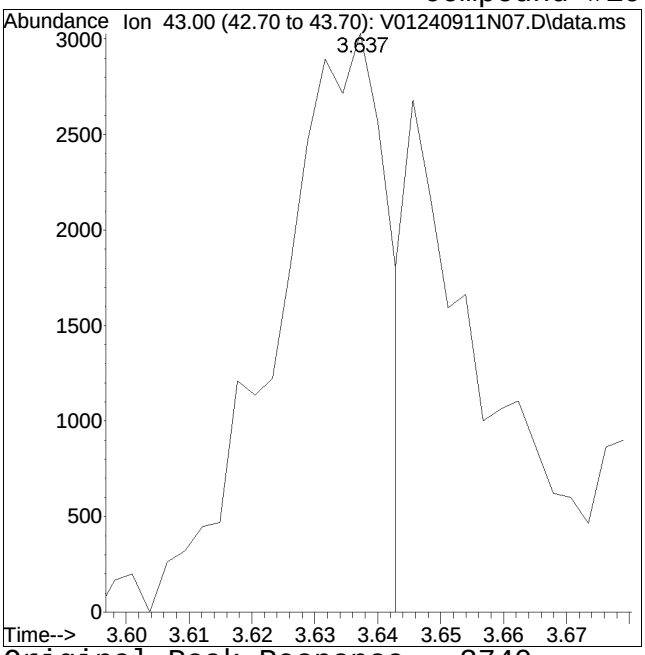
Manual Peak Response = 3531 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

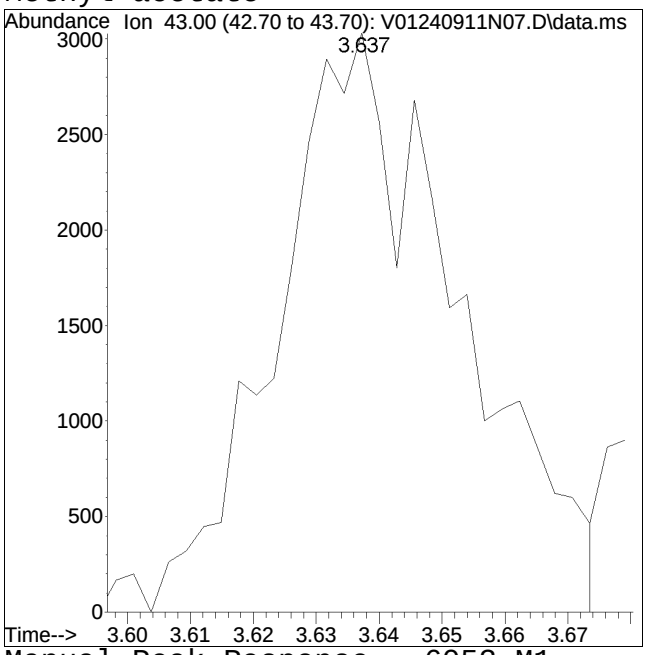
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #19: Methyl acetate



Original Peak Response = 3740



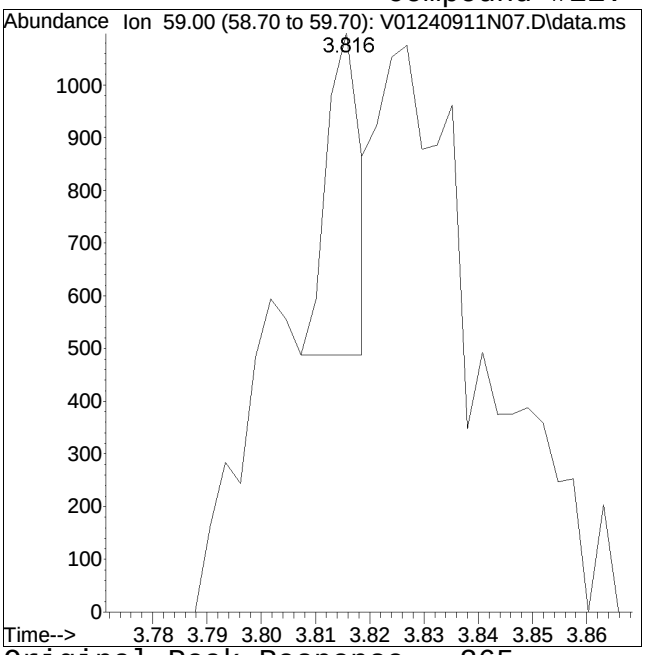
Manual Peak Response = 6053 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

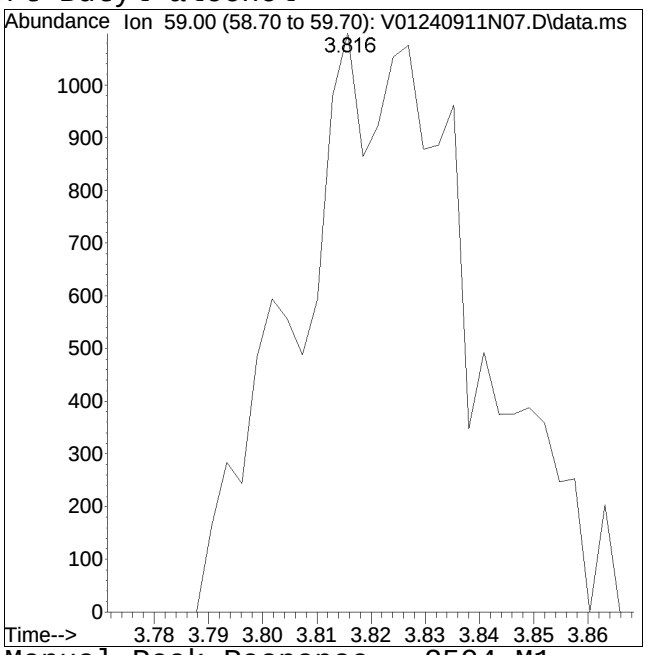
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 265



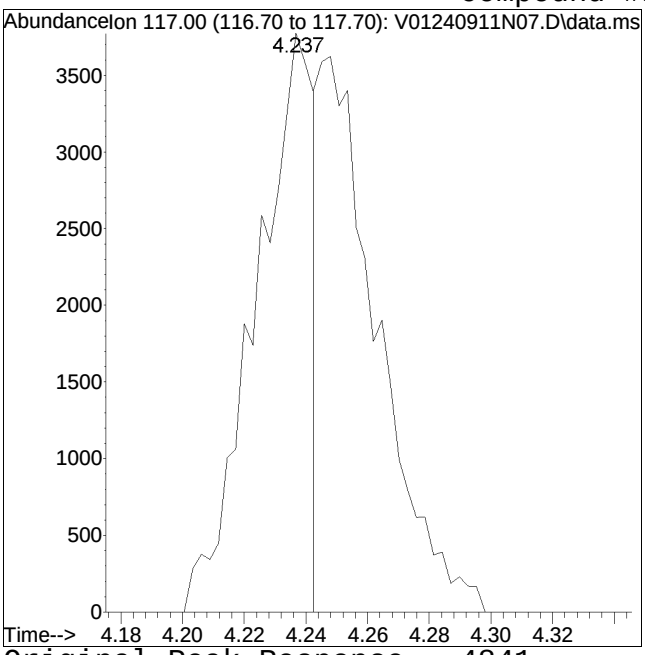
Manual Peak Response = 2504 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

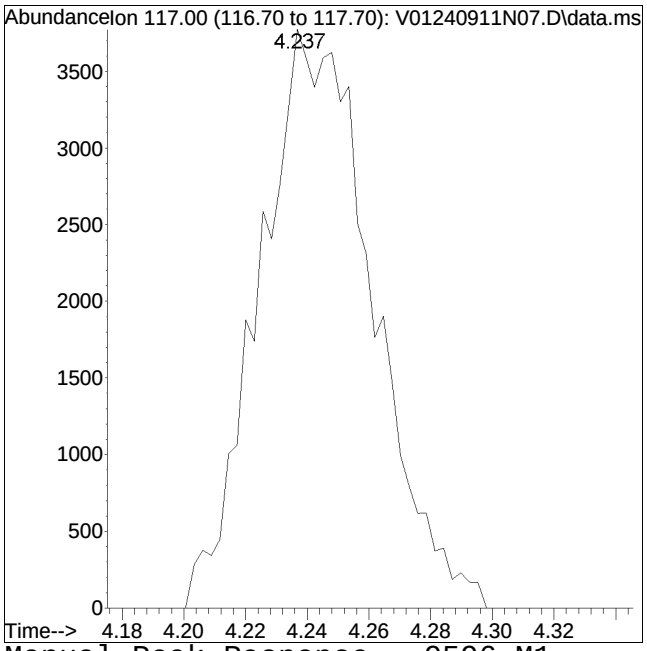
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #24: Halothane



Original Peak Response = 4841



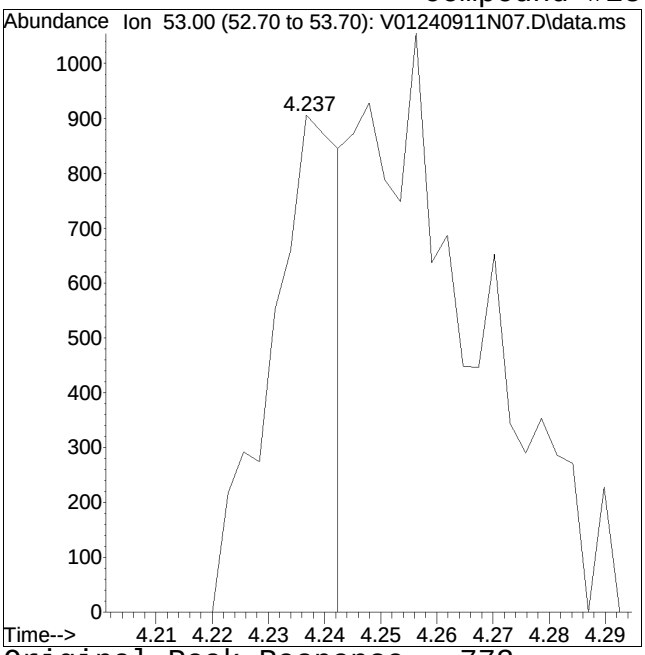
Manual Peak Response = 9596 M1

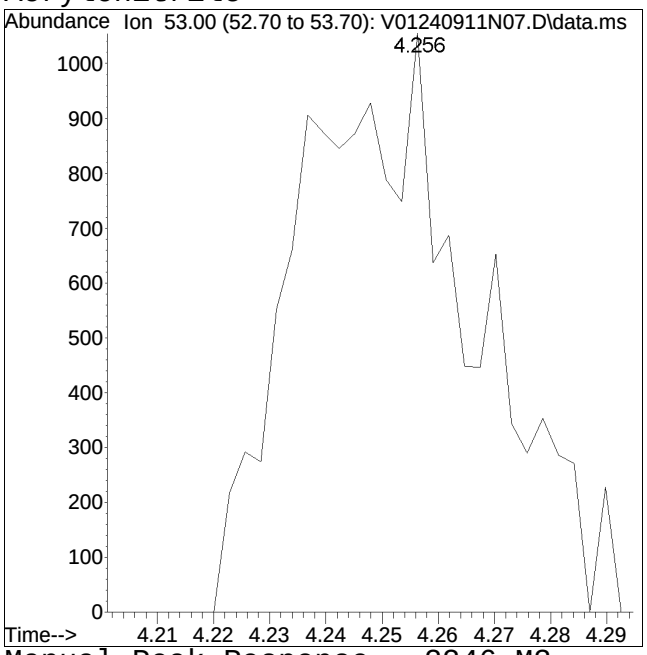
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #25: Acrylonitrile





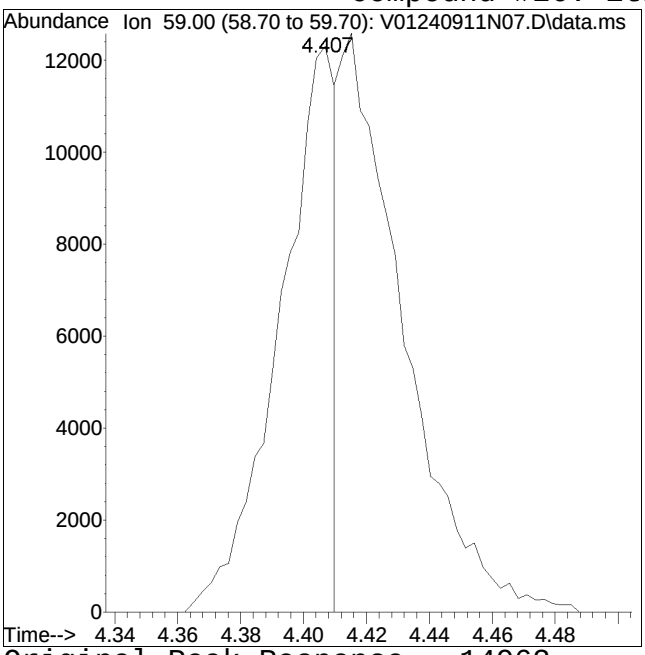
Original Peak Response = 773 Manual Peak Response = 2246 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

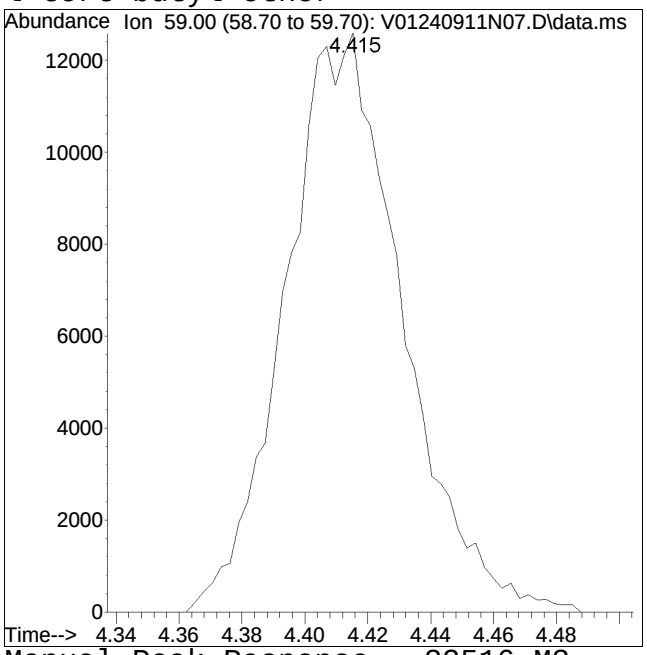
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 14962



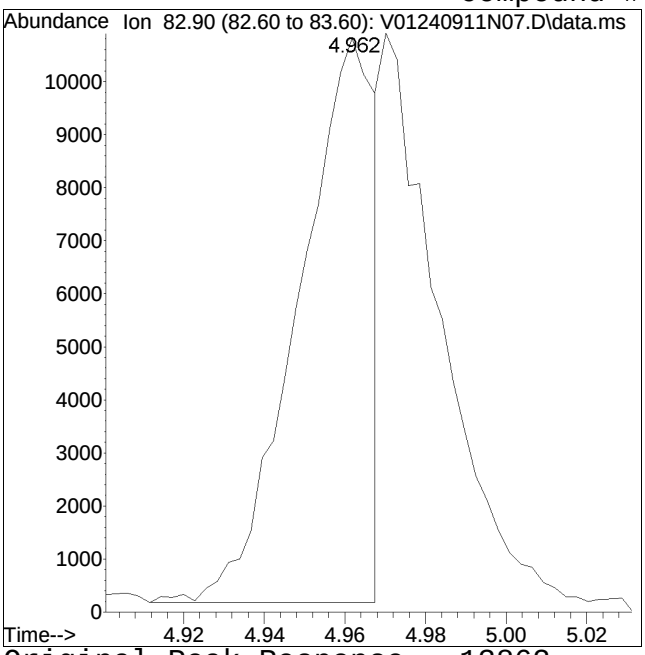
Manual Peak Response = 32516 M3

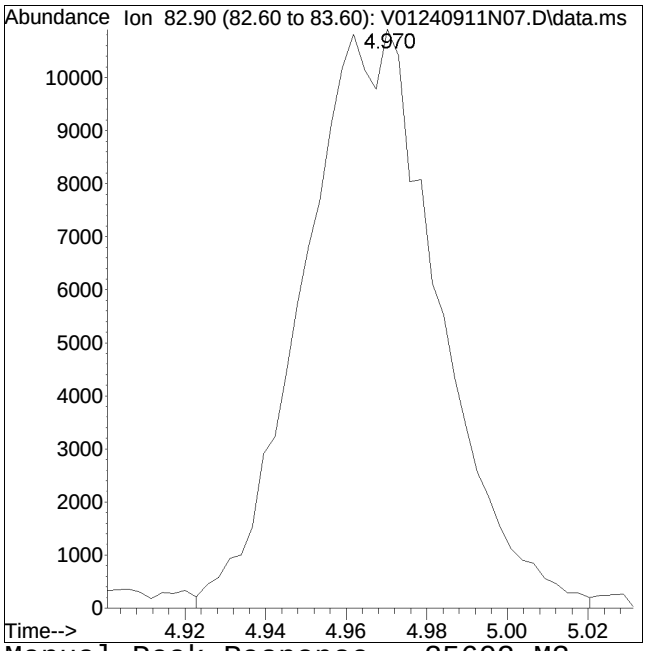
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #32: Chloroform





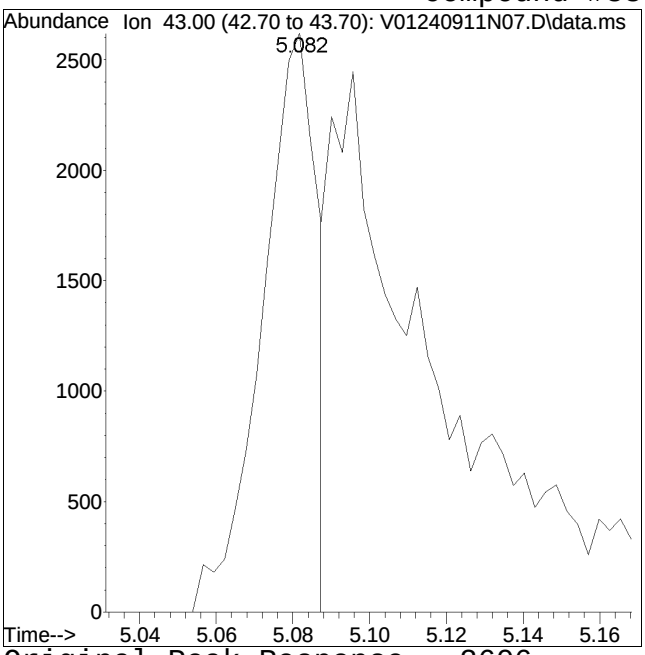
Original Peak Response = 13862 Manual Peak Response = 25602 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

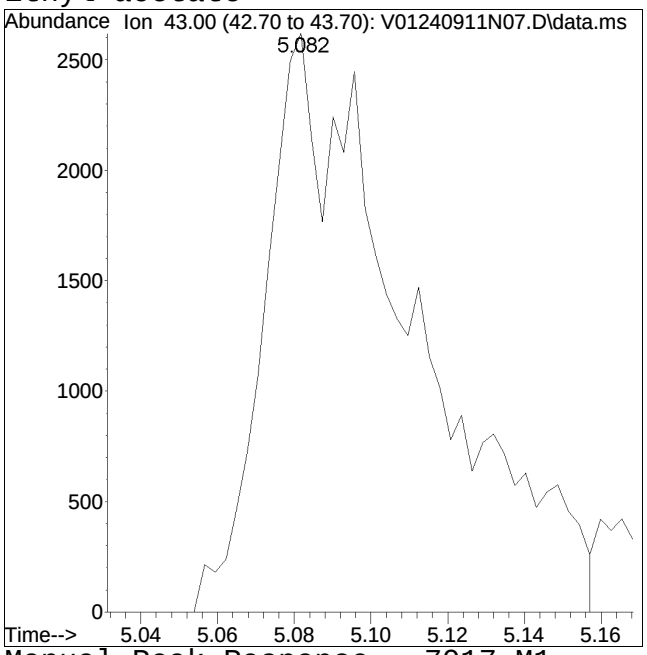
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #33: Ethyl acetate



Original Peak Response = 2606



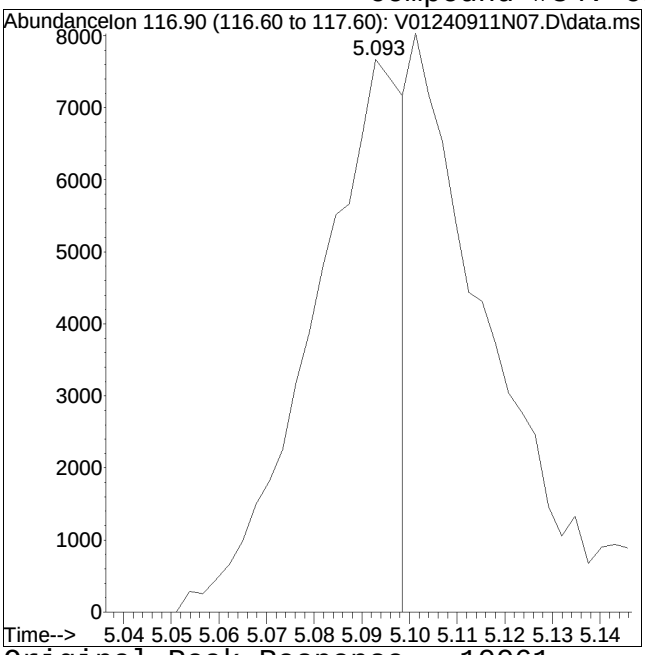
Manual Peak Response = 7017 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

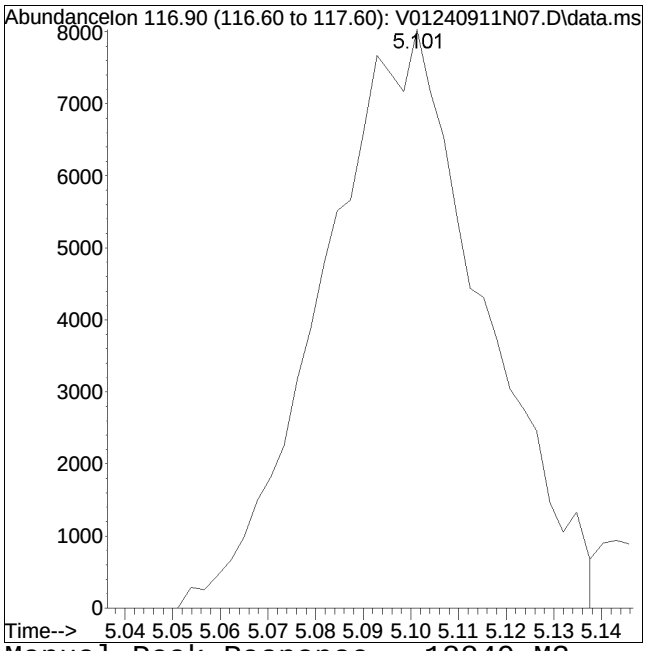
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #34: Carbon tetrachloride



Original Peak Response = 10061

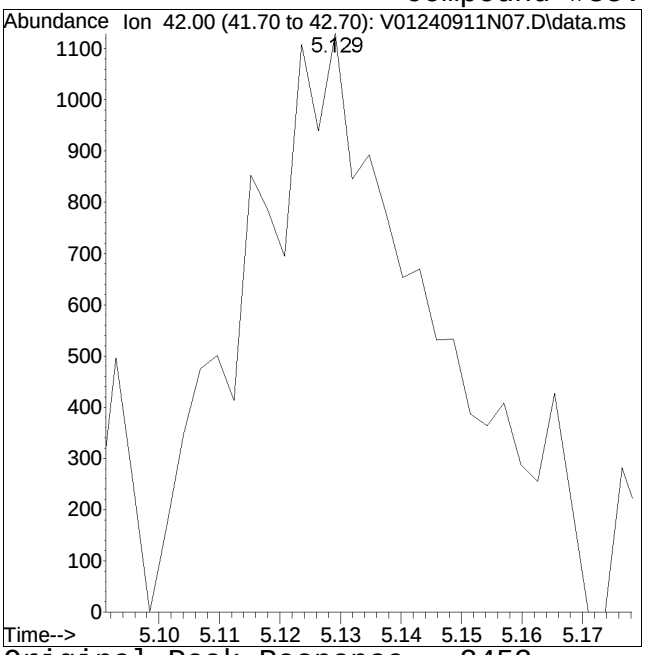


Manual Peak Response = 18840 M3

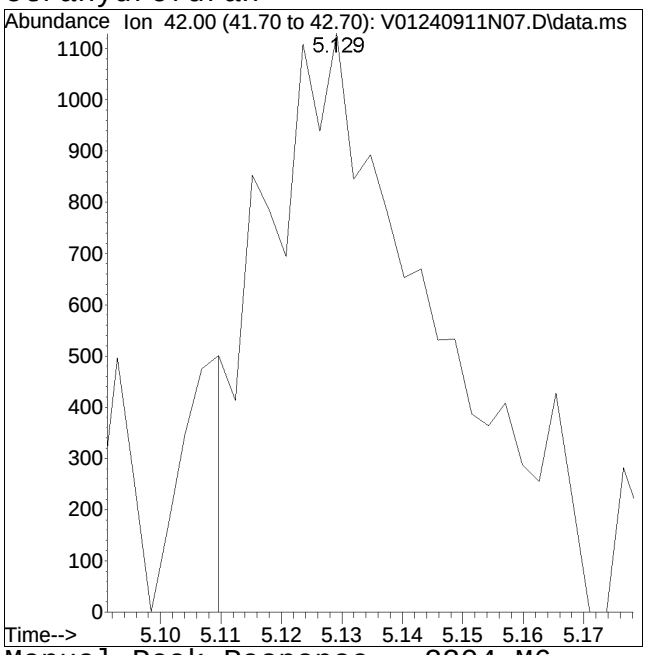
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 2453



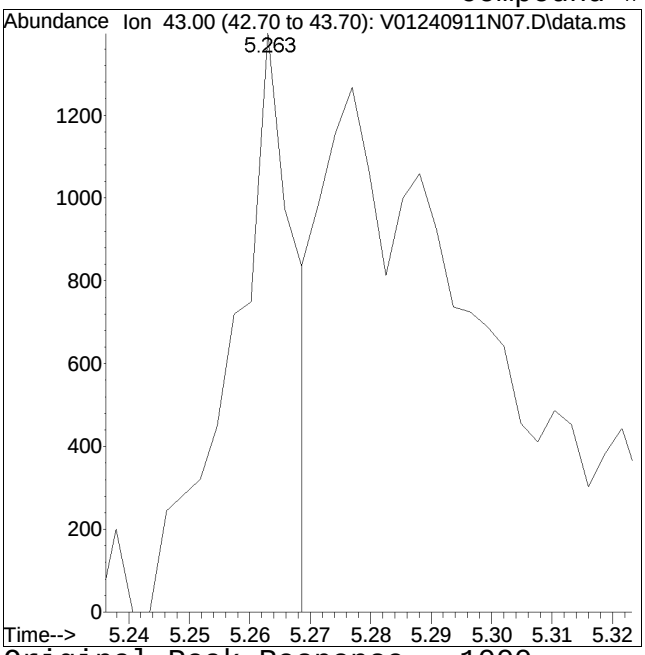
Manual Peak Response = 2204 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

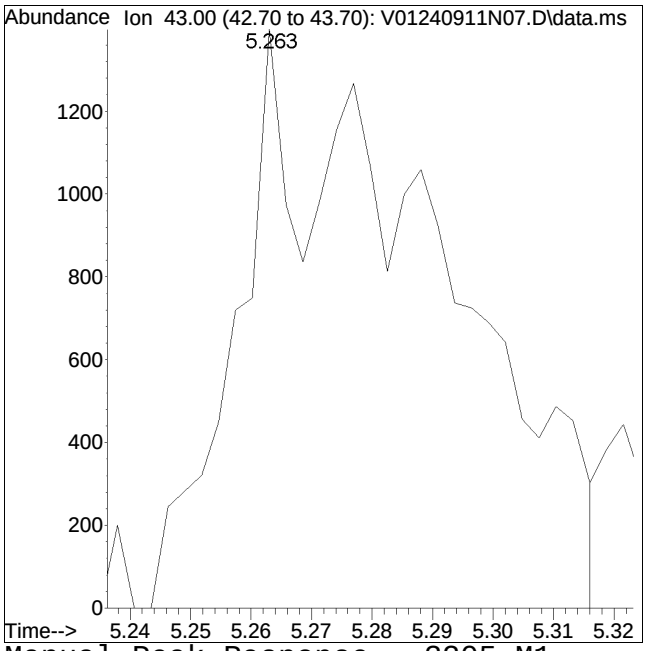
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #39: 2-Butanone



Original Peak Response = 1000



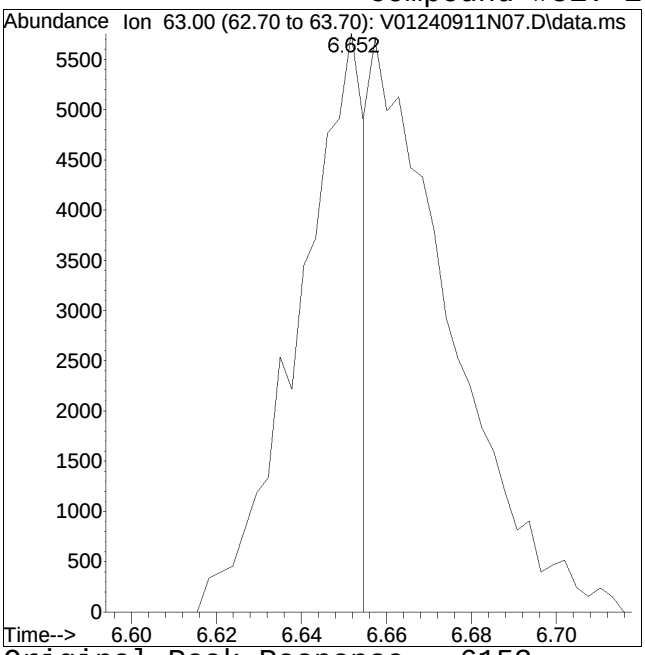
Manual Peak Response = 3205 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

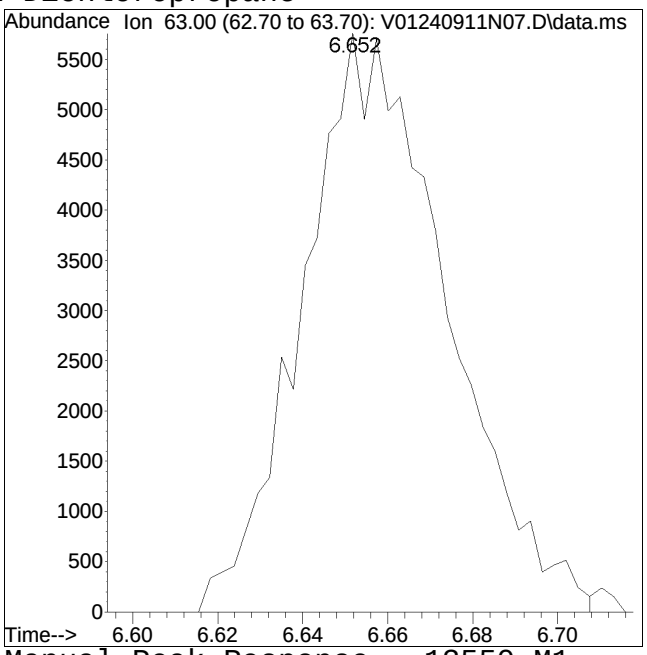
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #51: 1,2-Dichloropropane



Original Peak Response = 6153



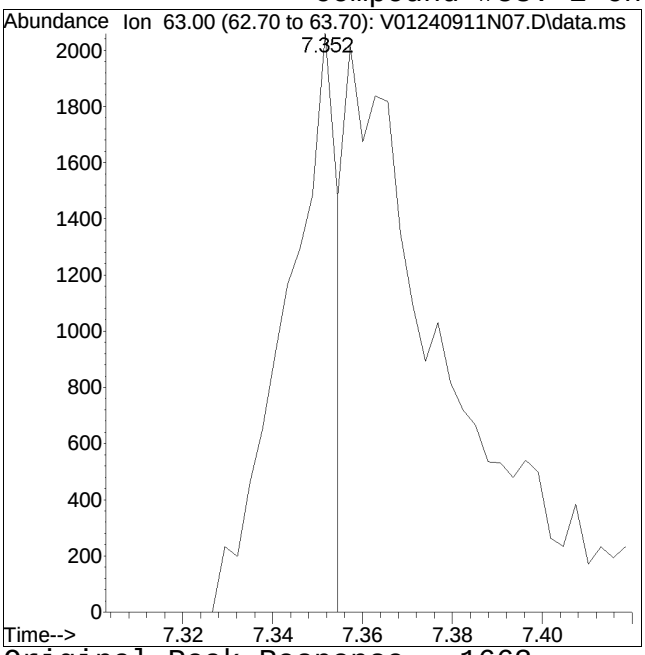
Manual Peak Response = 13550 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

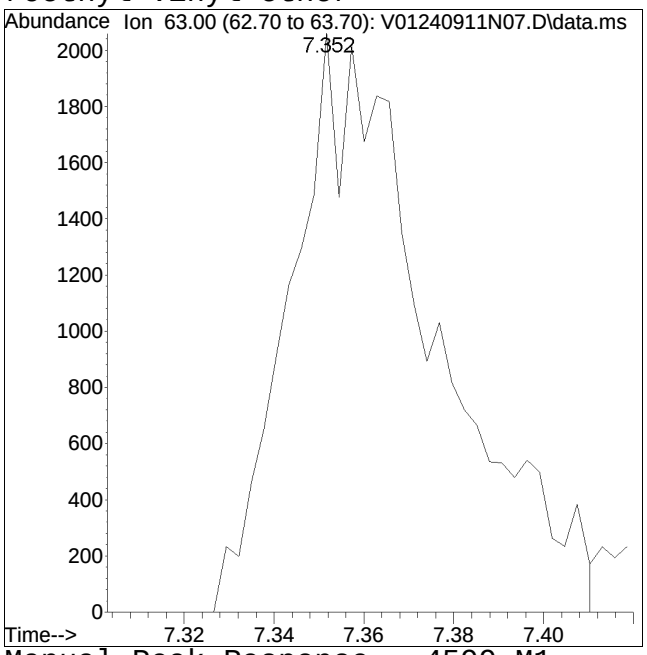
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #53: 2-Chloroethyl vinyl ether



Original Peak Response = 1663



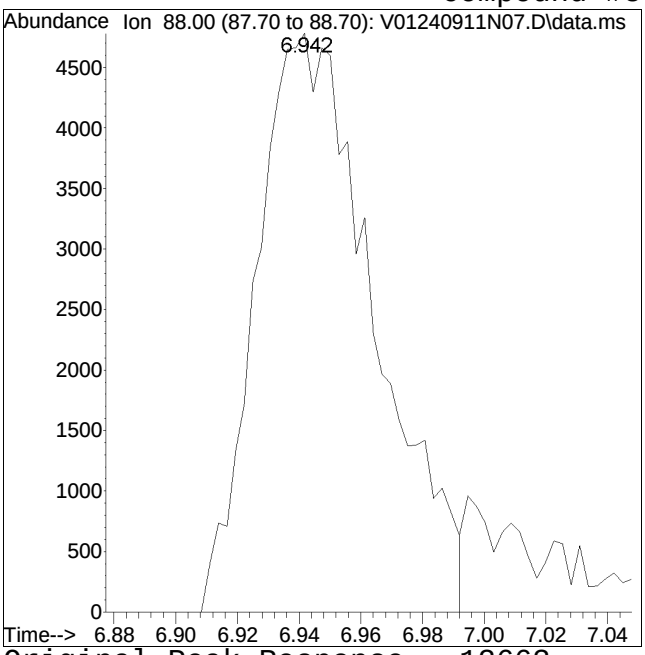
Manual Peak Response = 4599 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

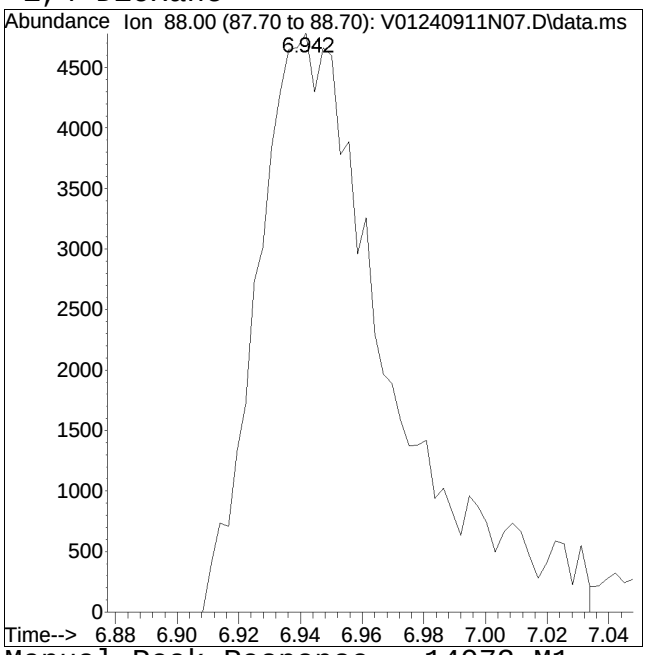
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 12663

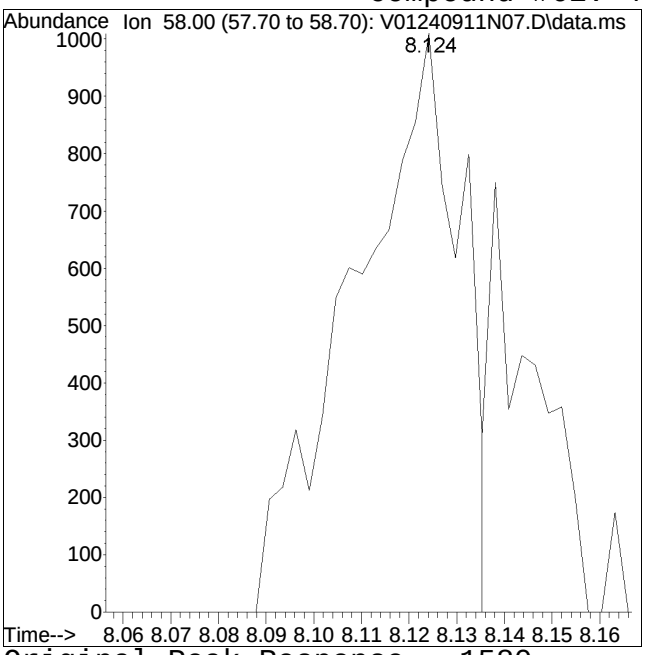


Manual Peak Response = 14072 M1

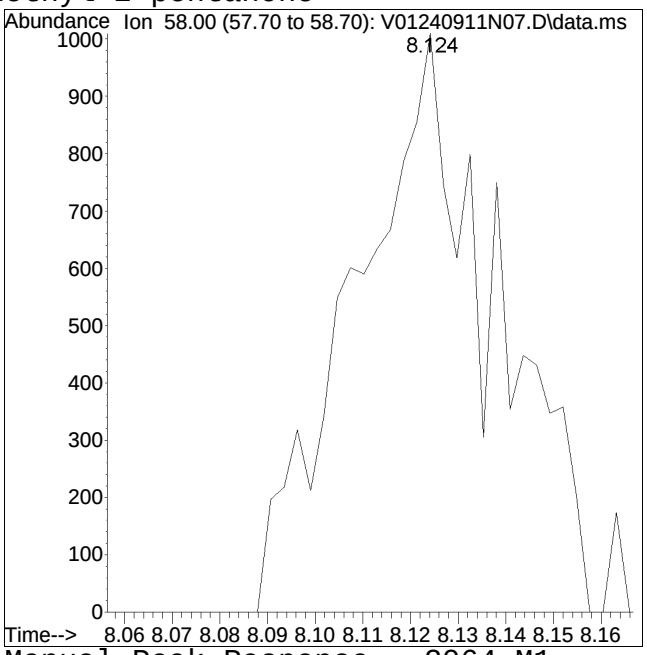
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #62: 4-Methyl-2-pentanone



Original Peak Response = 1580



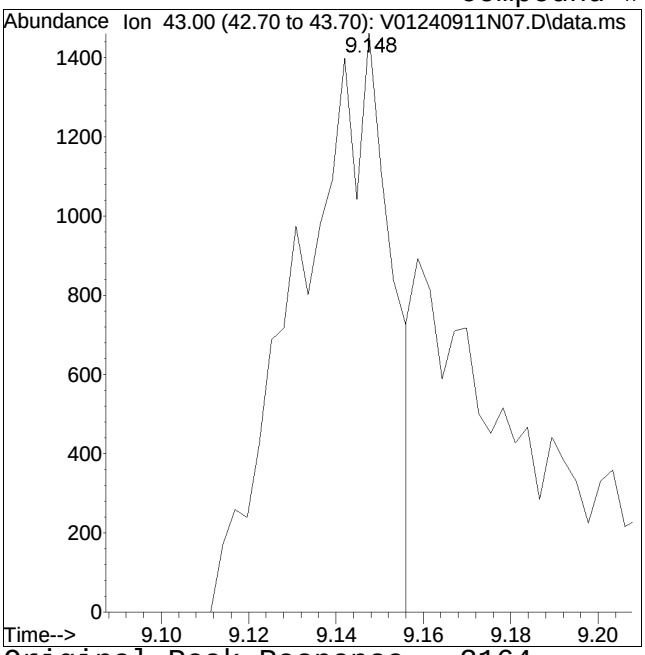
Manual Peak Response = 2064 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

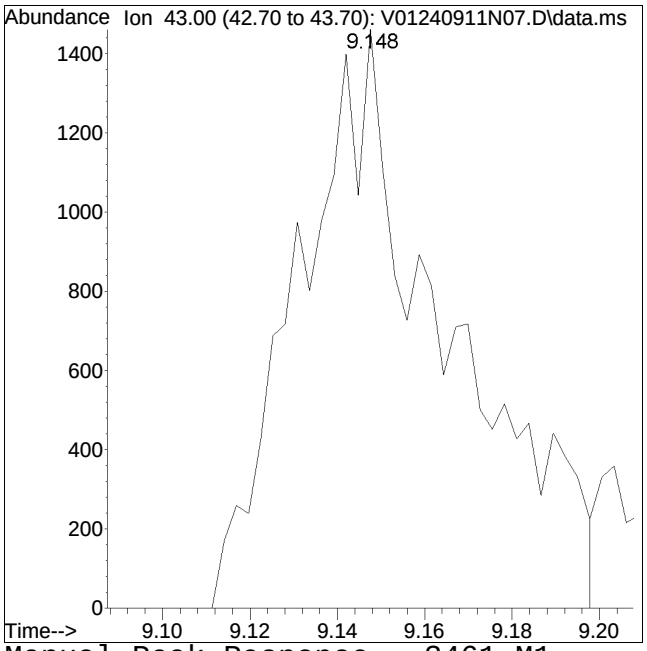
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #72: 2-Hexanone



Original Peak Response = 2164



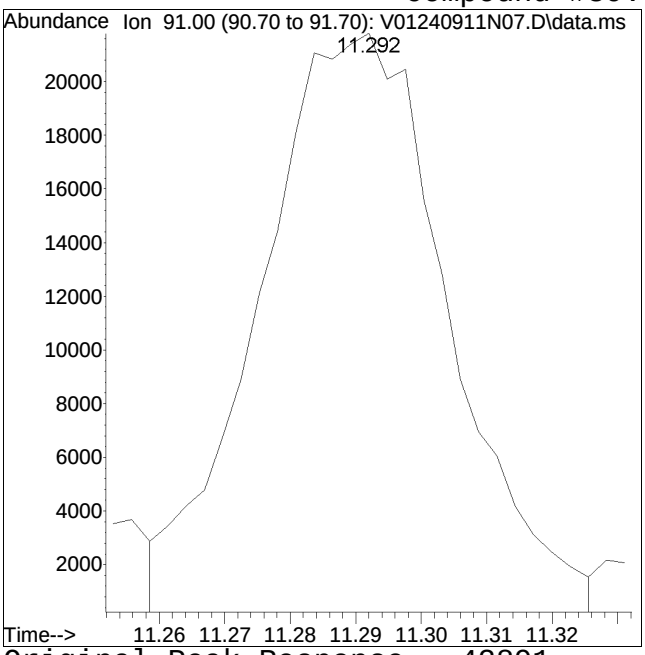
Manual Peak Response = 3461 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

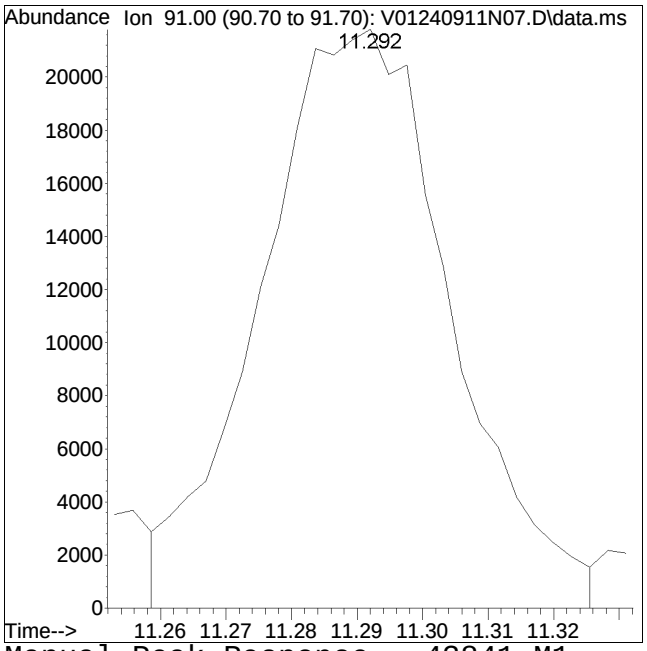
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 42891



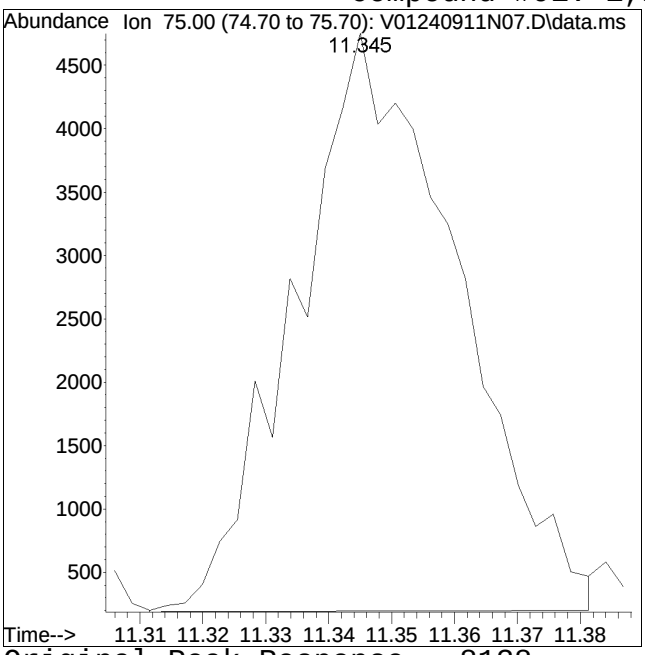
Manual Peak Response = 43841 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

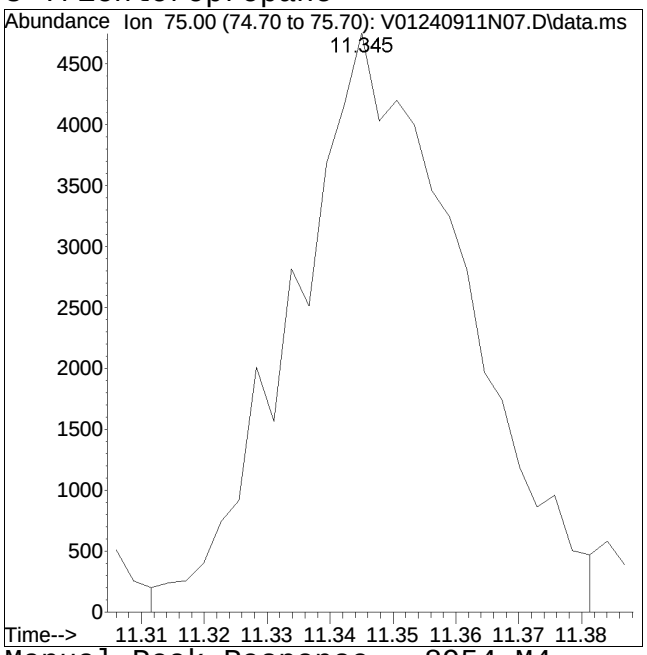
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 8138



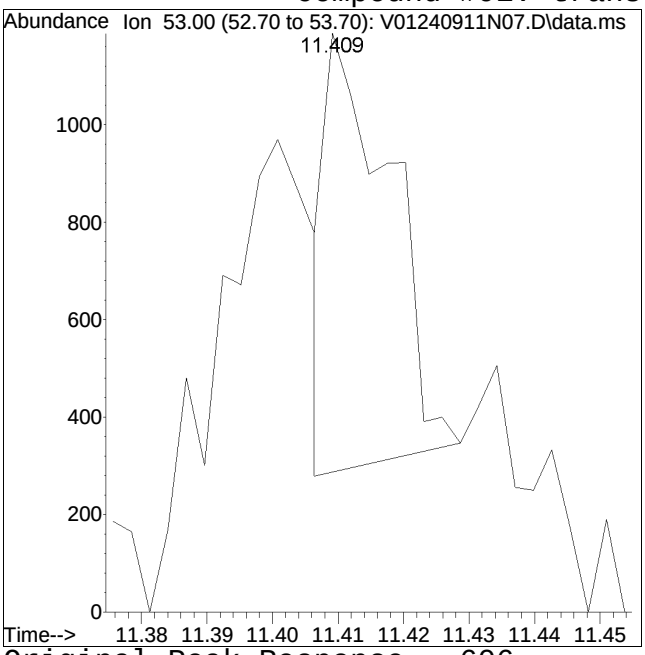
Manual Peak Response = 8954 M4

M4 = Poor automated baseline construction.

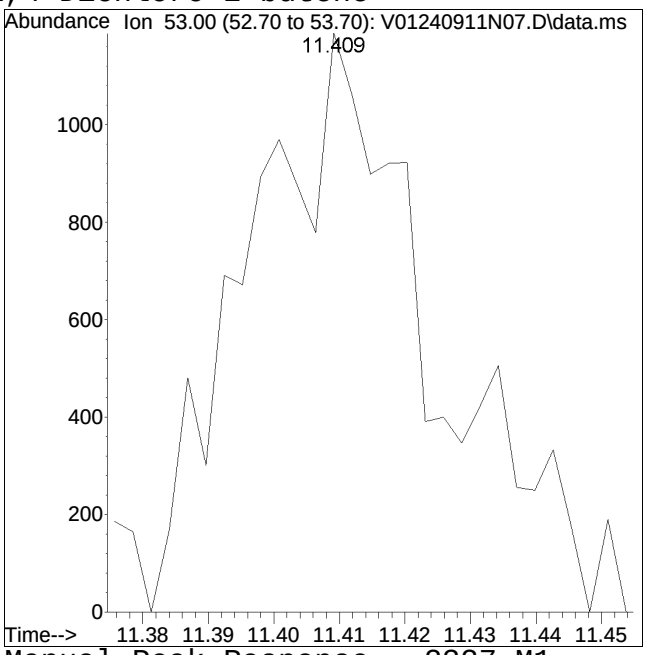
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N07.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:27 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 9/12/2024 12:27 pm

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 606



Manual Peak Response = 2327 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N08.D
Acq On : 12 Sep 2024 1:53 am
Operator : VOA101:PID
Sample : I8260STD10PPB
Misc : WG1970861,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 12 12:25:21 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.941	96	290042	10.000	ug/L	0.00
Standard Area 1 = 290042			Recovery = 100.00%			
59) Chlorobenzene-d5	9.457	117	228912	10.000	ug/L	0.00
Standard Area 1 = 228912			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.176	152	118116	10.000	ug/L	0.00
Standard Area 1 = 118116			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.140	113	74919	9.848	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.48%			
43) 1,2-Dichloroethane-d4	5.654	65	84995	9.724	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.24%			
60) Toluene-d8	7.620	98	284066	10.348	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.48%			
83) 4-Bromofluorobenzene	10.963	95	104110	10.393	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.93%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.641	85	72430	9.292	ug/L	99
3) Chloromethane	1.830	50	68741	8.740	ug/L	99
4) Vinyl chloride	1.897	62	96614	9.384	ug/L	90
5) Bromomethane	2.198	94	65121M1	8.383	ug/L	
6) Chloroethane	2.304	64	103689	9.063	ug/L	98
7) Trichlorofluoromethane	2.444	101	230261	9.740	ug/L	98
8) Ethyl ether	2.737	74	60538	9.918	ug/L	94
10) 1,1-Dichloroethene	2.921	96	62043	9.089	ug/L	98
11) Carbon disulfide	2.951	76	165244	8.480	ug/L	100
12) Freon-113	2.954	101	60161	8.766	ug/L	85
13) Iodomethane	3.055	142	79593	9.192	ug/L	98
14) Acrolein	3.247	56	5075M3	8.865	ug/L	
15) Methylene chloride	3.467	84	63079	8.970	ug/L	99
17) Acetone	3.520	43	12683	6.889	ug/L #	69
18) trans-1,2-Dichloroethene	3.615	96	62756	9.054	ug/L	94
19) Methyl acetate	3.632	43	24742	8.726	ug/L	95
20) Methyl tert-butyl ether	3.718	73	147632	9.242	ug/L	97
21) tert-Butyl alcohol	3.824	59	13923M3	45.157	ug/L	
22) Diisopropyl ether	4.070	45	196719	9.454	ug/L	97
23) 1,1-Dichloroethane	4.189	63	118016	9.372	ug/L	99
24) Halothane	4.240	117	48431	9.248	ug/L	100

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N08.D
Acq On : 12 Sep 2024 1:53 am
Operator : VOA101:PID
Sample : I8260STD10PPB
Misc : WG1970861,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 12 12:25:21 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.240	53	12207	9.067	ug/L		98
26) Ethyl tert-butyl ether	4.410	59	163702	9.263	ug/L		90
27) Vinyl acetate	4.418	43	87423	9.128	ug/L		97
28) cis-1,2-Dichloroethene	4.700	96	73808	9.528	ug/L		95
29) 2,2-Dichloropropane	4.800	77	90083	9.328	ug/L	#	88
30) Bromochloromethane	4.892	128	33725	9.629	ug/L		97
31) Cyclohexane	4.898	56	103812	8.898	ug/L		92
32) Chloroform	4.965	83	122919	9.528	ug/L		99
33) Ethyl acetate	5.076	43	36004	9.012	ug/L	#	88
34) Carbon tetrachloride	5.099	117	91696	9.334	ug/L		97
35) Tetrahydrofuran	5.126	42	12571M4	10.108	ug/L		
37) 1,1,1-Trichloroethane	5.157	97	107279	9.299	ug/L		99
39) 2-Butanone	5.263	43	14802	8.924	ug/L		93
40) 1,1-Dichloropropene	5.280	75	92271	9.432	ug/L		99
41) Benzene	5.522	78	267525	9.509	ug/L		99
42) tert-Amyl methyl ether	5.631	73	146561	9.367	ug/L		96
44) 1,2-Dichloroethane	5.723	62	82491	9.795	ug/L		99
47) Methyl cyclohexane	6.108	83	104531	8.415	ug/L		94
48) Trichloroethene	6.119	95	74265	9.347	ug/L		99
50) Dibromomethane	6.557	93	36931	9.554	ug/L		97
51) 1,2-Dichloropropane	6.652	63	67341	9.809	ug/L		97
53) 2-Chloroethyl vinyl ether	7.343	63	26142	10.099	ug/L		98
54) Bromodichloromethane	6.730	83	90872	9.709	ug/L		100
57) 1,4-Dioxane	6.942	88	18580M1	480.775	ug/L		
58) cis-1,3-Dichloropropene	7.410	75	97513	9.521	ug/L		96
61) Toluene	7.675	92	172275	9.396	ug/L		99
62) 4-Methyl-2-pentanone	8.105	58	11907M1	9.233	ug/L		
63) Tetrachloroethene	8.124	166	70646	9.527	ug/L		95
65) trans-1,3-Dichloropropene	8.163	75	81320	9.882	ug/L		97
67) Ethyl methacrylate	8.350	69	59032	9.271	ug/L		98
68) 1,1,2-Trichloroethane	8.339	83	42616	10.092	ug/L		99
69) Chlorodibromomethane	8.556	129	59928	9.851	ug/L		98
70) 1,3-Dichloropropane	8.662	76	87558	10.272	ug/L		99
71) 1,2-Dibromoethane	8.833	107	47729	10.114	ug/L		100
72) 2-Hexanone	9.123	43	21630	9.337	ug/L	#	91
73) Chlorobenzene	9.480	112	191247	9.388	ug/L		99
74) Ethylbenzene	9.516	91	340501	9.318	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.563	131	67162	9.671	ug/L		98
76) p/m Xylene	9.703	106	264960	17.736	ug/L		97
77) o Xylene	10.244	106	251799	17.692	ug/L		100

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N08.D
Acq On : 12 Sep 2024 1:53 am
Operator : VOA101:PID
Sample : I8260STD10PPB
Misc : WG1970861,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 12 12:25:21 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.313	104	404914	17.685	ug/L		98
80) Bromoform	10.344	173	29952	8.682	ug/L		99
82) Isopropylbenzene	10.631	105	329772	9.286	ug/L		98
84) Bromobenzene	11.075	156	75872	9.638	ug/L		100
85) n-Propylbenzene	11.119	91	392138	9.290	ug/L		98
86) 1,4-Dichlorobutane	11.136	55	79401	9.620	ug/L		96
87) 1,1,2,2-Tetrachloroethane	11.208	83	55707	10.003	ug/L		100
88) 4-Ethyltoluene	11.245	105	310837	9.253	ug/L		99
89) 2-Chlorotoluene	11.287	91	226296M1	9.625	ug/L		
90) 1,3,5-Trimethylbenzene	11.345	105	269955	9.250	ug/L		97
91) 1,2,3-Trichloropropane	11.342	75	44379M1	9.216	ug/L		
92) trans-1,4-Dichloro-2-b...	11.404	53	15049	9.937	ug/L	#	79
93) 4-Chlorotoluene	11.471	91	230381	9.770	ug/L		99
94) tert-Butylbenzene	11.683	119	224524	9.299	ug/L		100
97) 1,2,4-Trimethylbenzene	11.766	105	262085	9.420	ug/L		97
98) sec-Butylbenzene	11.878	105	327203	9.173	ug/L		98
99) p-Isopropyltoluene	12.028	119	266660	9.108	ug/L		100
100) 1,3-Dichlorobenzene	12.101	146	144899	9.489	ug/L		99
101) 1,4-Dichlorobenzene	12.193	146	145669	9.364	ug/L		99
102) p-Diethylbenzene	12.405	119	146469	9.149	ug/L		98
103) n-Butylbenzene	12.463	91	227145	9.455	ug/L		97
104) 1,2-Dichlorobenzene	12.617	146	129191	9.656	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.200	119	193836	9.111	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.400	155	5470	9.990	ug/L		91
107) 1,3,5-Trichlorobenzene	13.428	180	71692	9.516	ug/L		97
108) Hexachlorobutadiene	14.005	225	22276	8.910	ug/L		99
109) 1,2,4-Trichlorobenzene	14.028	180	56993	9.604	ug/L		98
110) Naphthalene	14.321	128	115679	9.474	ug/L		100
111) 1,2,3-Trichlorobenzene	14.491	180	44020	9.692	ug/L		99

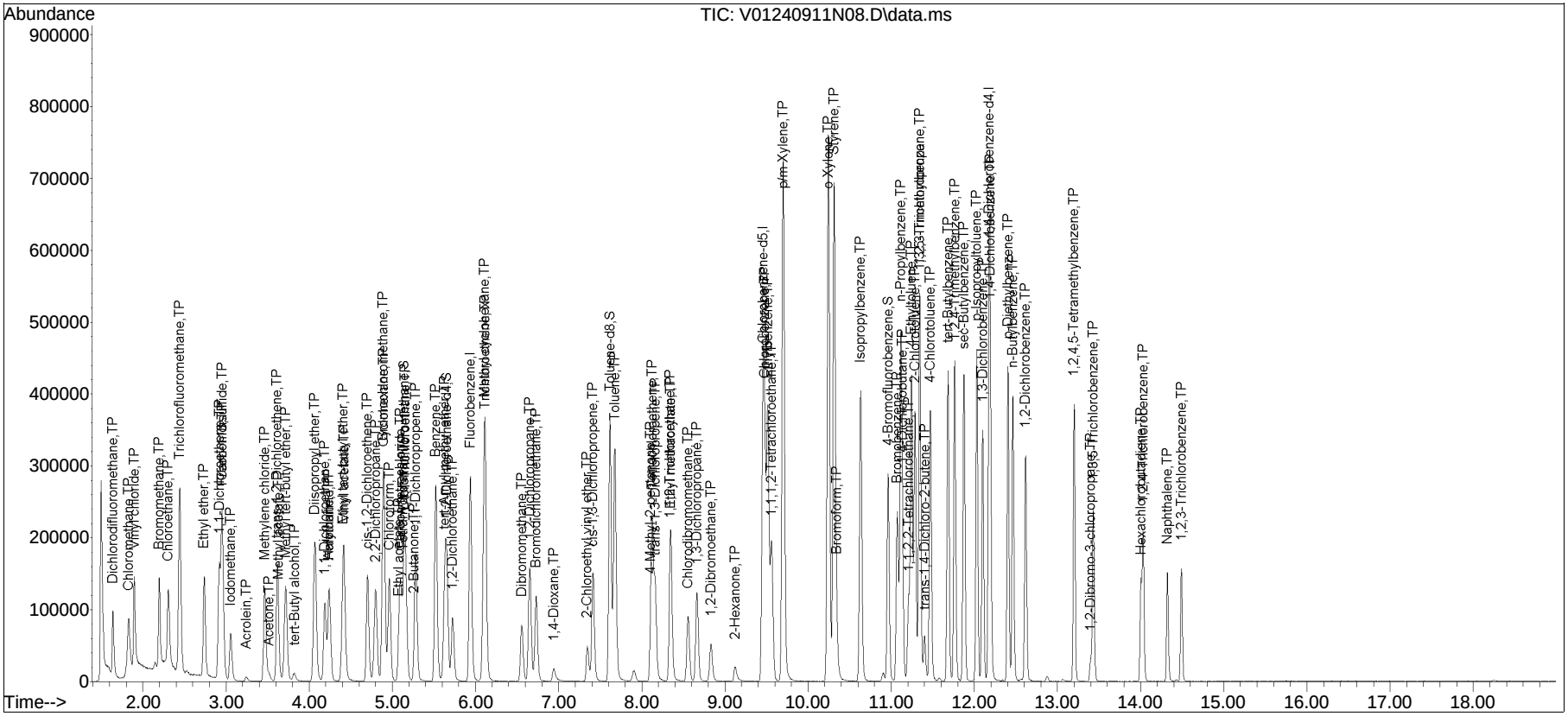
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N08.D
Acq On : 12 Sep 2024 1:53 am
Operator : VOA101:PID
Sample : I8260STD10PPB
Misc : WG1970861,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 12 12:25:21 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V01240911N08.D•

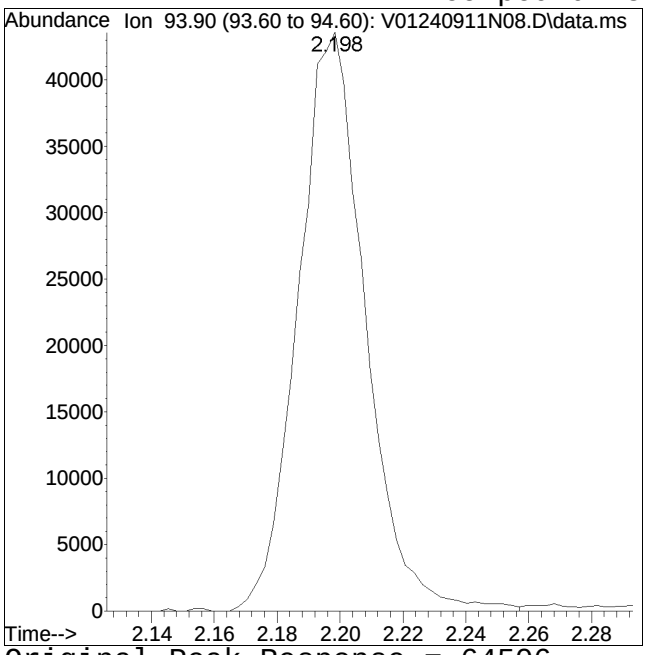


Manual Integration Report

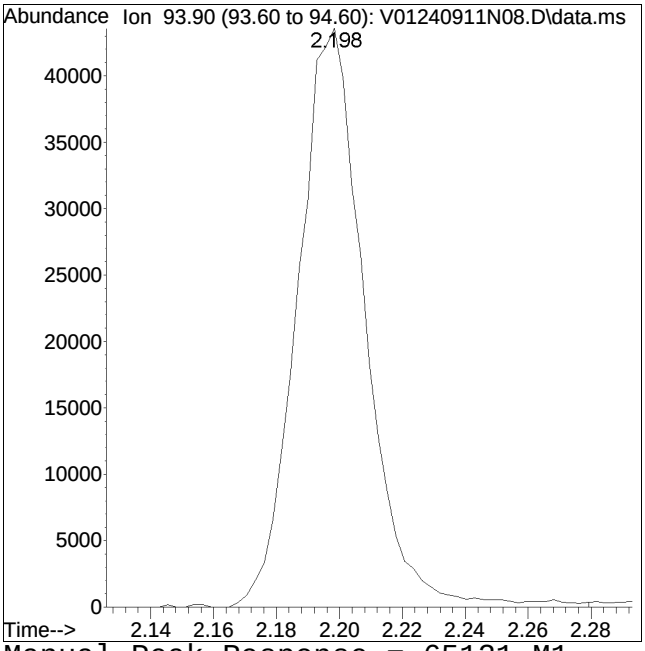
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N08.D
Date Inj'd : 9/12/2024 1:53 am
Sample : I8260STD10PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:25 pm

Compound #5: Bromomethane



Original Peak Response = 64506



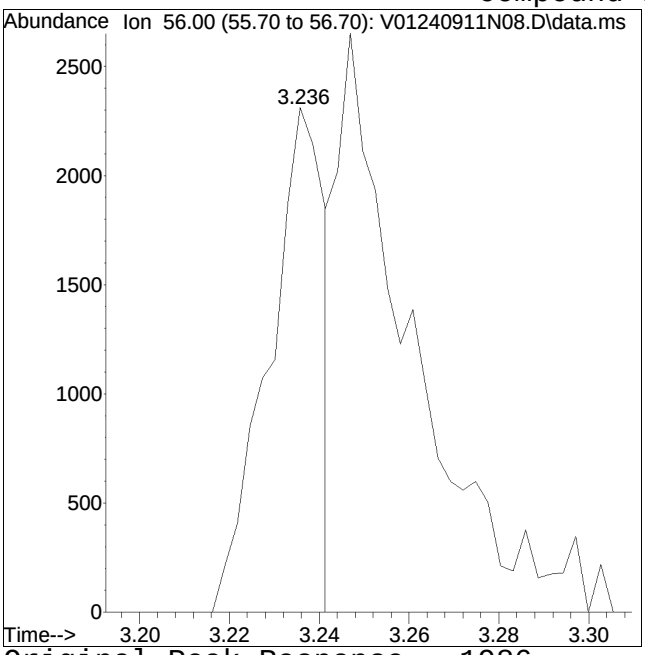
Manual Peak Response = 65121 M1

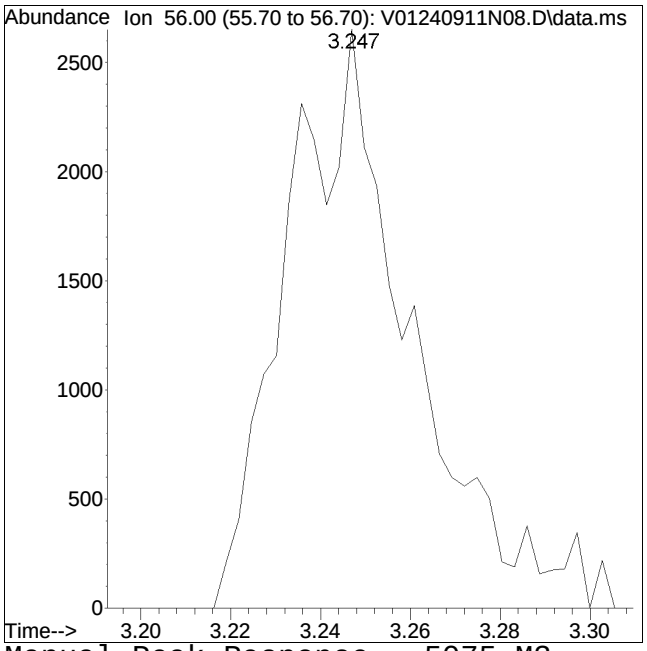
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N08.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:53 am Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/12/2024 12:25 pm

Compound #14: Acrolein





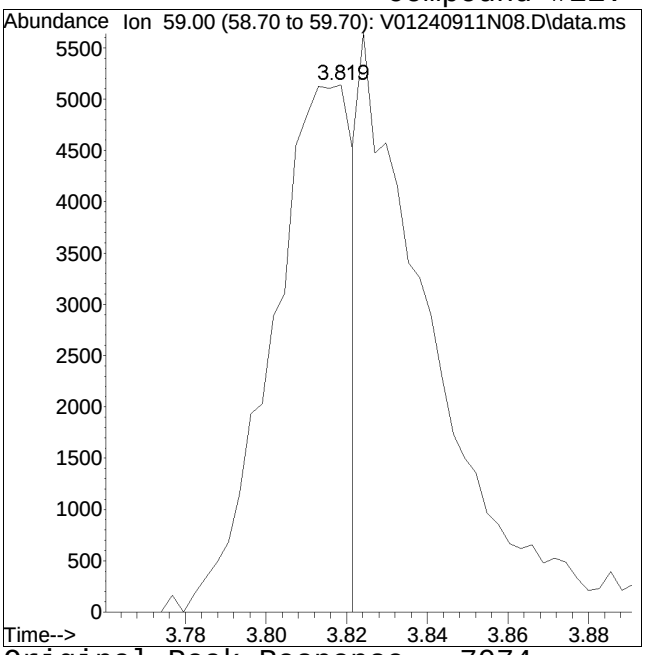
Original Peak Response = 1986 Manual Peak Response = 5075 M3

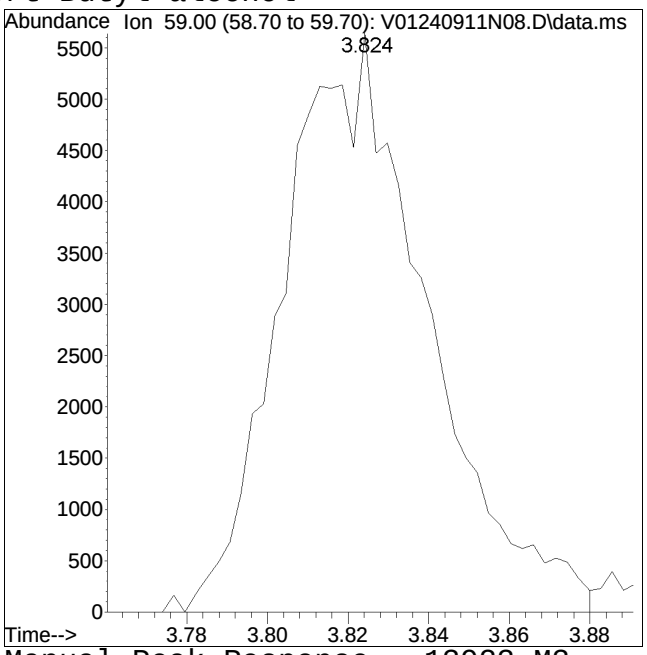
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N08.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:53 am Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/12/2024 12:25 pm

Compound #21: tert-Butyl alcohol





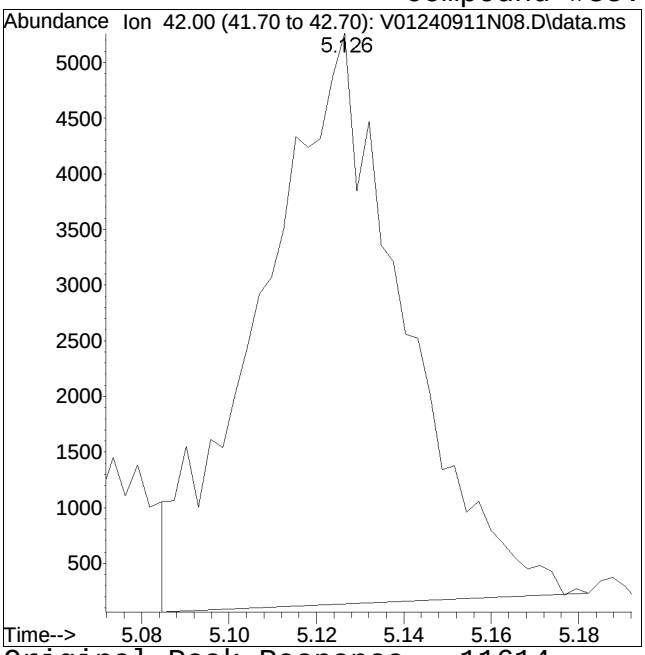
Original Peak Response = 7074 Manual Peak Response = 13923 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

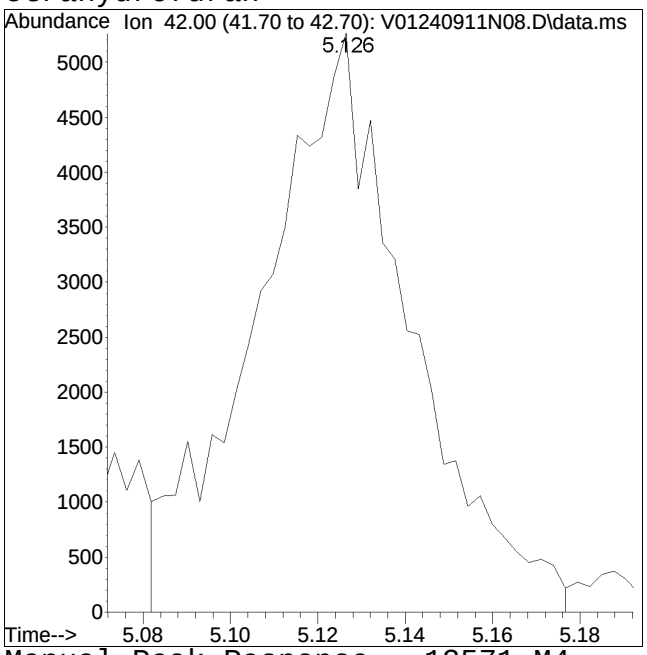
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N08.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:53 am Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/12/2024 12:25 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 11614



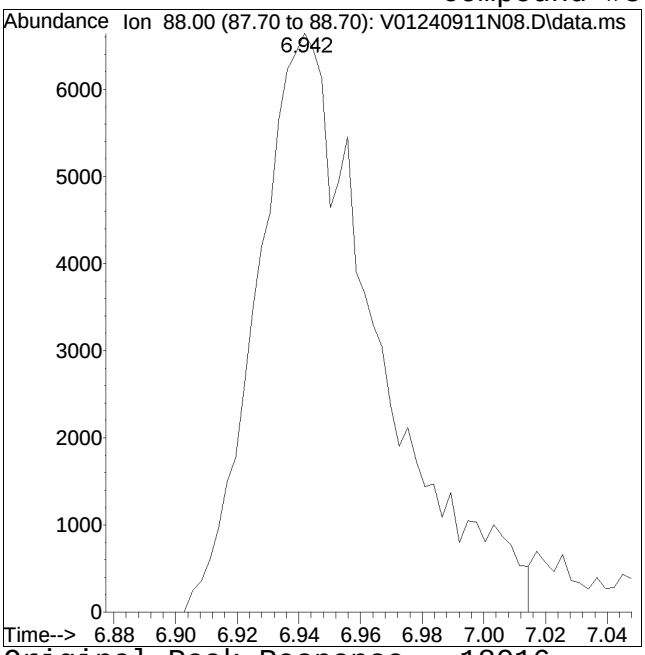
Manual Peak Response = 12571 M4

M4 = Poor automated baseline construction.

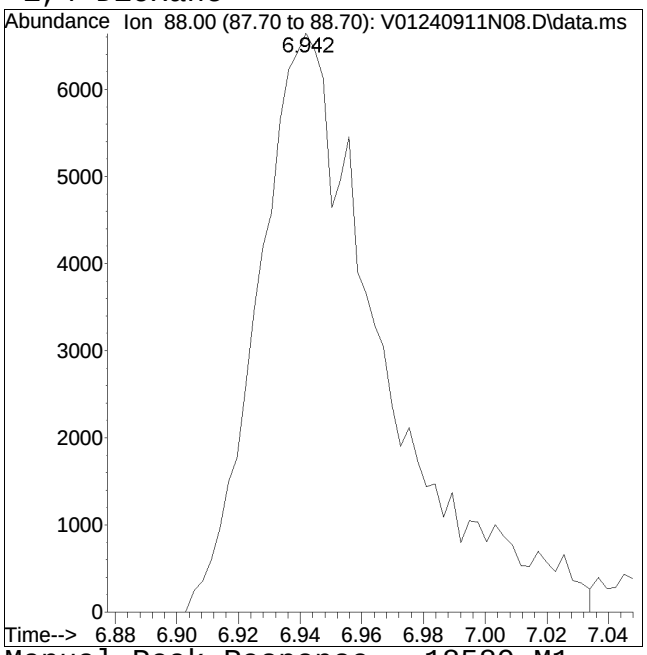
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N08.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:53 am Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/12/2024 12:25 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 18016



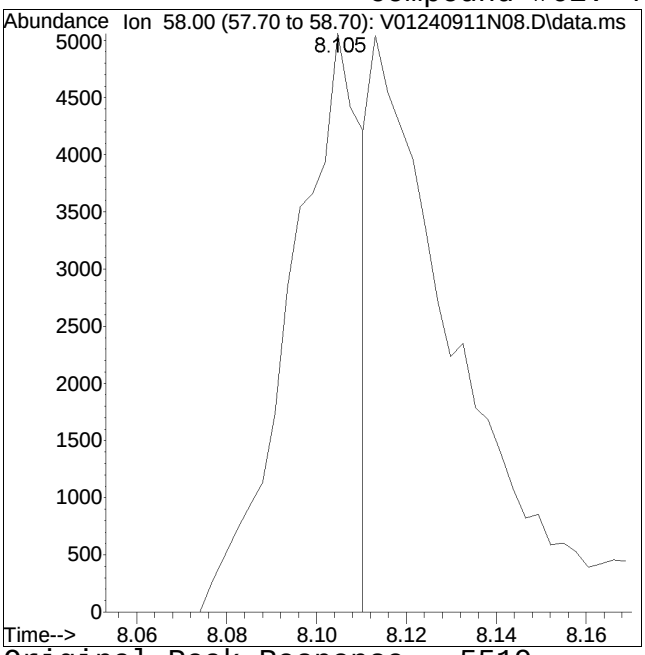
Manual Peak Response = 18580 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

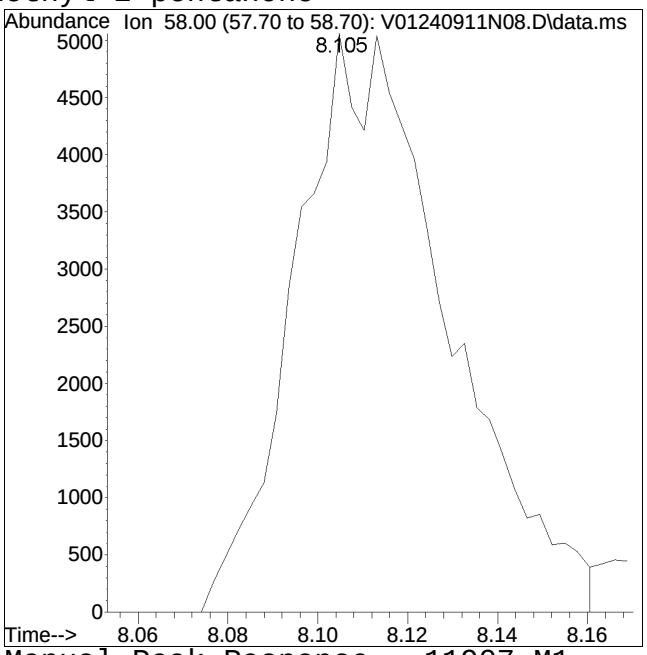
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N08.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:53 am Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/12/2024 12:25 pm

Compound #62: 4-Methyl-2-pentanone



Original Peak Response = 5519



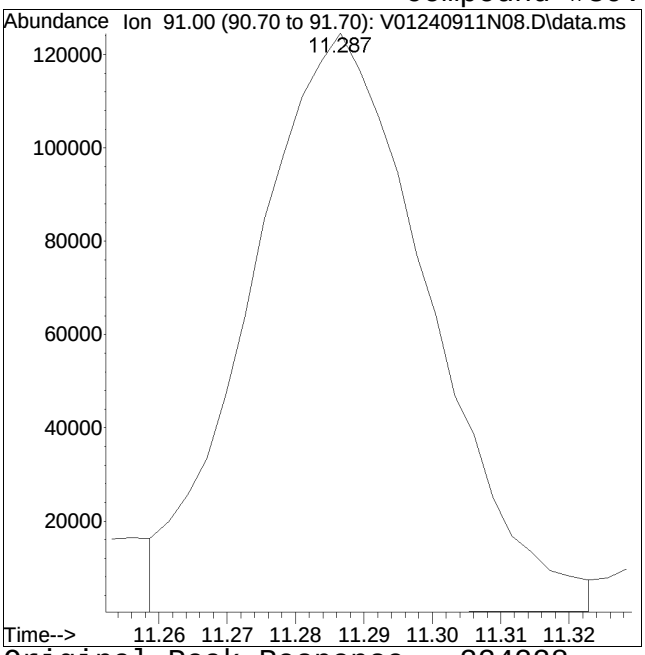
Manual Peak Response = 11907 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

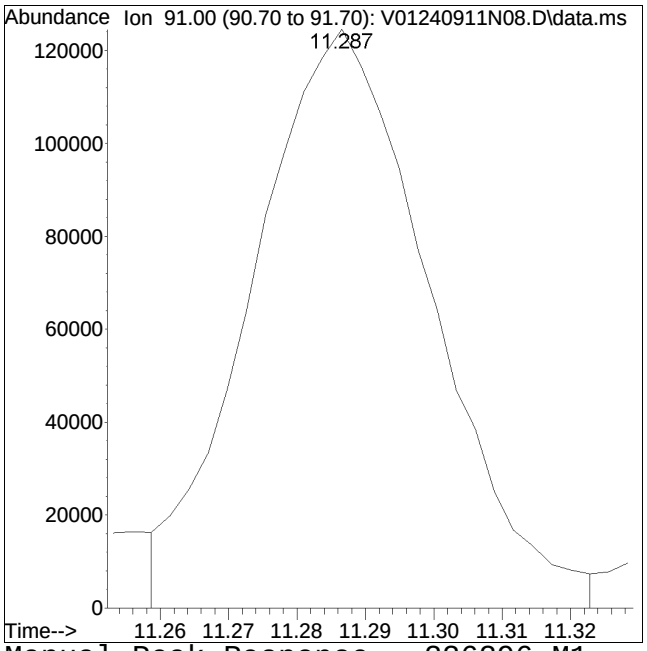
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N08.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 1:53 am Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 9/12/2024 12:25 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 224228



Manual Peak Response = 226296 M1

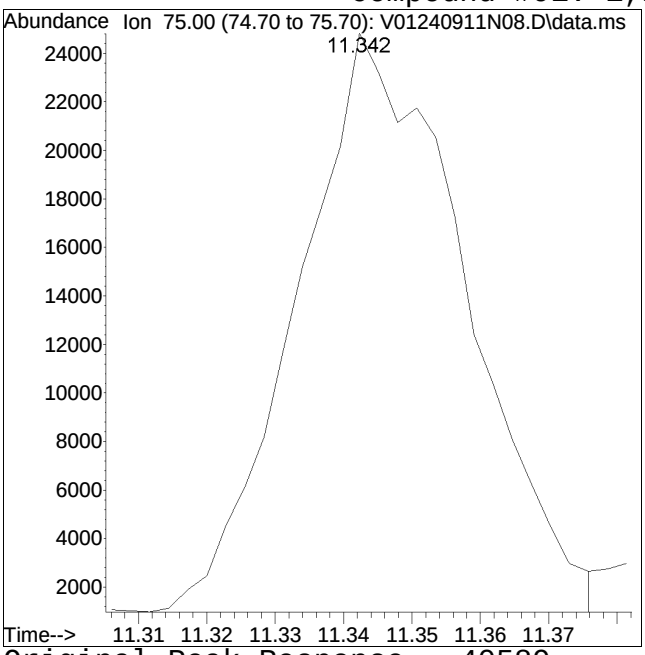
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

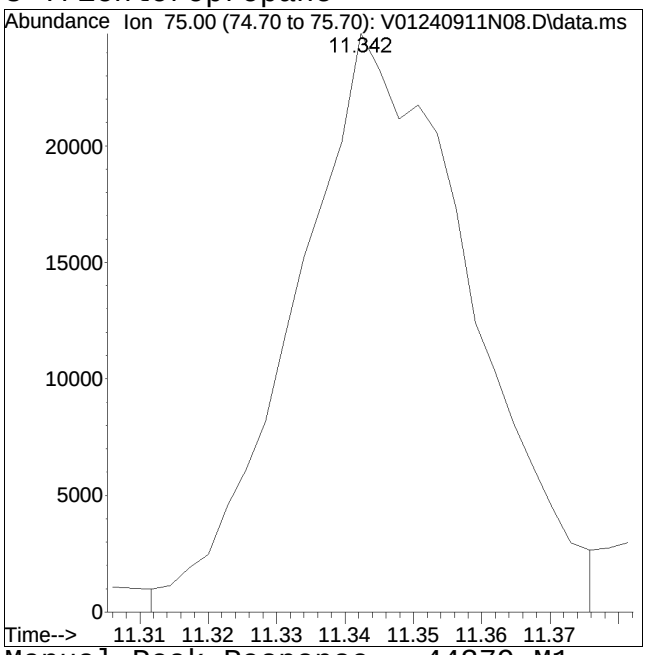
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N08.D
Date Inj'd : 9/12/2024 1:53 am
Sample : I8260STD10PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:25 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 40589



Manual Peak Response = 44379 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N09.D
Acq On : 12 Sep 2024 2:19 am
Operator : VOA101:PID
Sample : I8260STD30PPB
Misc : WG1970861,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 12 12:25:28 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	303020	10.000	ug/L	0.00
Standard Area 1 = 290042			Recovery = 104.47%			
59) Chlorobenzene-d5	9.457	117	244634	10.000	ug/L	0.00
Standard Area 1 = 228912			Recovery = 106.87%			
79) 1,4-Dichlorobenzene-d4	12.176	152	130999	10.000	ug/L	0.00
Standard Area 1 = 118116			Recovery = 110.91%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.135	113	79823	10.044	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.44%			
43) 1,2-Dichloroethane-d4	5.656	65	88851	9.730	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.30%			
60) Toluene-d8	7.617	98	298375	10.170	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.70%			
83) 4-Bromofluorobenzene	10.963	95	113945	10.256	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.641	85	247167	30.350	ug/L	100
3) Chloromethane	1.827	50	225596	27.454	ug/L	99
4) Vinyl chloride	1.897	62	321692	29.908	ug/L	88
5) Bromomethane	2.198	94	239743	29.539	ug/L	96
6) Chloroethane	2.307	64	325941	27.269	ug/L	100
7) Trichlorofluoromethane	2.444	101	764067	30.936	ug/L	98
8) Ethyl ether	2.739	74	187705	29.434	ug/L	95
10) 1,1-Dichloroethene	2.921	96	194530	27.279	ug/L	96
11) Carbon disulfide	2.954	76	549070	26.971	ug/L	100
12) Freon-113	2.954	101	206133	28.749	ug/L	89
13) Iodomethane	3.057	142	295353	32.650	ug/L	98
14) Acrolein	3.241	56	17462	29.197	ug/L	97
15) Methylene chloride	3.467	84	208562	28.388	ug/L	99
17) Acetone	3.515	43	34611	17.996	ug/L	88
18) trans-1,2-Dichloroethene	3.615	96	214925	29.678	ug/L	94
19) Methyl acetate	3.623	43	79679	26.896	ug/L	99
20) Methyl tert-butyl ether	3.715	73	490269	29.378	ug/L	97
21) tert-Butyl alcohol	3.821	59	46050	142.960	ug/L #	77
22) Diisopropyl ether	4.070	45	654379	30.103	ug/L	98
23) 1,1-Dichloroethane	4.187	63	398615	30.299	ug/L	98
24) Halothane	4.237	117	167019	30.527	ug/L	99

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N09.D
Acq On : 12 Sep 2024 2:19 am
Operator : VOA101:PID
Sample : I8260STD30PPB
Misc : WG1970861,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 12 12:25:28 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.234	53	40832	29.030	ug/L	97
26) Ethyl tert-butyl ether	4.413	59	552467	29.923	ug/L	88
27) Vinyl acetate	4.421	43	279490	27.934	ug/L	98
28) cis-1,2-Dichloroethene	4.700	96	247238	30.549	ug/L	95
29) 2,2-Dichloropropane	4.797	77	318656	31.585	ug/L	99
30) Bromochloromethane	4.892	128	111056	30.351	ug/L	96
31) Cyclohexane	4.898	56	378428	31.048	ug/L	91
32) Chloroform	4.962	83	410777	30.477	ug/L	99
33) Ethyl acetate	5.073	43	123786	29.657	ug/L	98
34) Carbon tetrachloride	5.096	117	338905	33.022	ug/L	99
35) Tetrahydrofuran	5.121	42	39347M1	30.282	ug/L	
37) 1,1,1-Trichloroethane	5.157	97	374306	31.056	ug/L	99
39) 2-Butanone	5.252	43	51543	29.743	ug/L	95
40) 1,1-Dichloropropene	5.277	75	320704	31.377	ug/L	99
41) Benzene	5.522	78	908976	30.925	ug/L	99
42) tert-Amyl methyl ether	5.634	73	491514	30.068	ug/L	98
44) 1,2-Dichloroethane	5.726	62	268928	30.566	ug/L	99
47) Methyl cyclohexane	6.108	83	397872	30.656	ug/L	93
48) Trichloroethene	6.116	95	256015	30.844	ug/L	99
50) Dibromomethane	6.554	93	121709	30.137	ug/L	96
51) 1,2-Dichloropropane	6.652	63	222395	31.008	ug/L	98
53) 2-Chloroethyl vinyl ether	7.343	63	89532	33.105	ug/L	98
54) Bromodichloromethane	6.730	83	307714	31.467	ug/L	100
57) 1,4-Dioxane	6.942	88	24944M1	617.805	ug/L	
58) cis-1,3-Dichloropropene	7.410	75	340788	31.848	ug/L	97
61) Toluene	7.675	92	599753	30.609	ug/L	99
62) 4-Methyl-2-pentanone	8.105	58	41506	30.115	ug/L	88
63) Tetrachloroethene	8.124	166	246742	31.137	ug/L	95
65) trans-1,3-Dichloropropene	8.155	75	285964	32.519	ug/L	97
67) Ethyl methacrylate	8.345	69	206818	30.393	ug/L	95
68) 1,1,2-Trichloroethane	8.342	83	138202	30.625	ug/L	98
69) Chlorodibromomethane	8.554	129	207931	31.983	ug/L	97
70) 1,3-Dichloropropane	8.660	76	283706	31.144	ug/L	100
71) 1,2-Dibromoethane	8.827	107	160614	31.847	ug/L	99
72) 2-Hexanone	9.114	43	76148	30.758	ug/L	97
73) Chlorobenzene	9.477	112	659034	30.273	ug/L	98
74) Ethylbenzene	9.513	91	1221774	31.287	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.558	131	236093	31.810	ug/L	99
76) p/m Xylene	9.700	106	968011	60.632	ug/L	98
77) o Xylene	10.244	106	919088	60.426	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N09.D
Acq On : 12 Sep 2024 2:19 am
Operator : VOA101:PID
Sample : I8260STD30PPB
Misc : WG1970861,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 12 12:25:28 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	10.313	104	1569590	64.149	ug/L	97
80) Bromoform	10.341	173	121216	31.682	ug/L	99
82) Isopropylbenzene	10.631	105	1254735	31.857	ug/L	98
84) Bromobenzene	11.072	156	265935	30.459	ug/L	100
85) n-Propylbenzene	11.116	91	1480229	31.618	ug/L	98
86) 1,4-Dichlorobutane	11.133	55	274460	29.984	ug/L	96
87) 1,1,2,2-Tetrachloroethane	11.206	83	187306	30.326	ug/L	99
88) 4-Ethyltoluene	11.242	105	1174583	31.526	ug/L	98
89) 2-Chlorotoluene	11.284	91	827167M4	31.722	ug/L	
90) 1,3,5-Trimethylbenzene	11.342	105	1019512	31.499	ug/L	98
91) 1,2,3-Trichloropropane	11.342	75	157057M1	29.407	ug/L	
92) trans-1,4-Dichloro-2-b...	11.398	53	52757	31.409	ug/L	89
93) 4-Chlorotoluene	11.471	91	836466	31.985	ug/L	99
94) tert-Butylbenzene	11.683	119	844931	31.553	ug/L	99
97) 1,2,4-Trimethylbenzene	11.763	105	977115	31.665	ug/L	98
98) sec-Butylbenzene	11.875	105	1268287	32.058	ug/L	98
99) p-Isopropyltoluene	12.028	119	1040156	32.033	ug/L	100
100) 1,3-Dichlorobenzene	12.098	146	532082	31.417	ug/L	99
101) 1,4-Dichlorobenzene	12.190	146	525535	30.462	ug/L	99
102) p-Diethylbenzene	12.405	119	568541	32.020	ug/L	98
103) n-Butylbenzene	12.463	91	869639	32.639	ug/L	97
104) 1,2-Dichlorobenzene	12.614	146	455738	30.712	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.200	119	728502	30.874	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.398	155	19995	32.926	ug/L	93
107) 1,3,5-Trichlorobenzene	13.431	180	252437	30.211	ug/L	96
108) Hexachlorobutadiene	14.005	225	84870	30.608	ug/L	100
109) 1,2,4-Trichlorobenzene	14.028	180	198632	30.181	ug/L	97
110) Naphthalene	14.323	128	402579	29.728	ug/L	100
111) 1,2,3-Trichlorobenzene	14.491	180	150493	29.877	ug/L	97

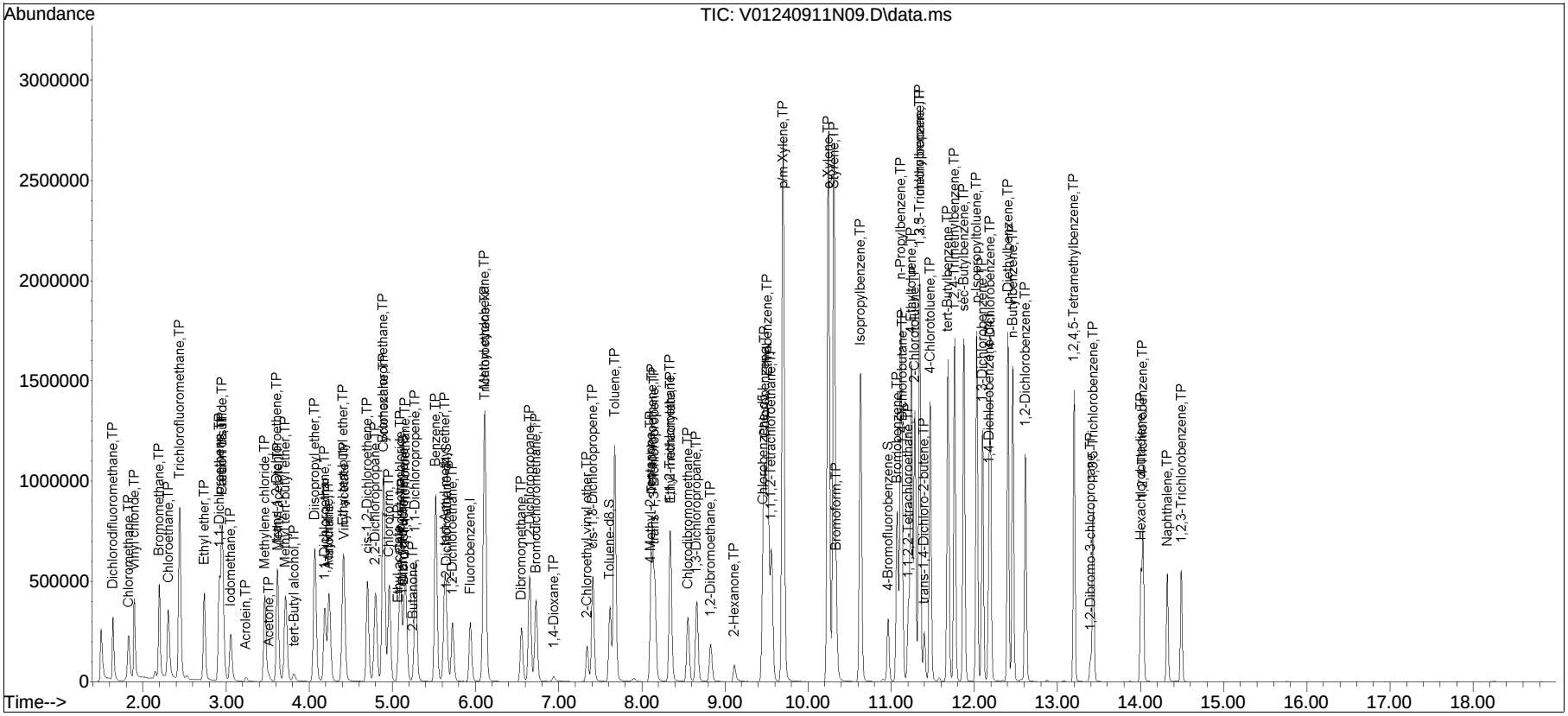
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N09.D
Acq On : 12 Sep 2024 2:19 am
Operator : VOA101:PID
Sample : I8260STD30PPB
Misc : WG1970861,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 12 12:25:28 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

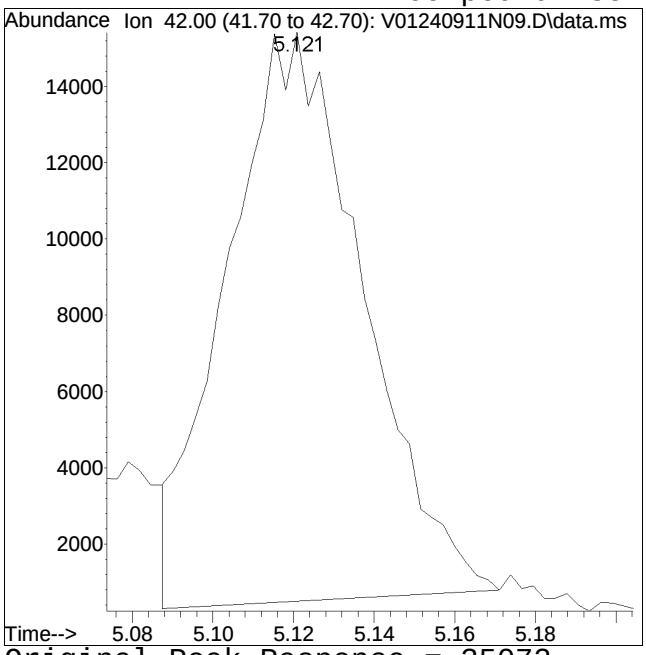
Sub List : 8260-Curve - Megamix plus Diox\V01240911N08.D•

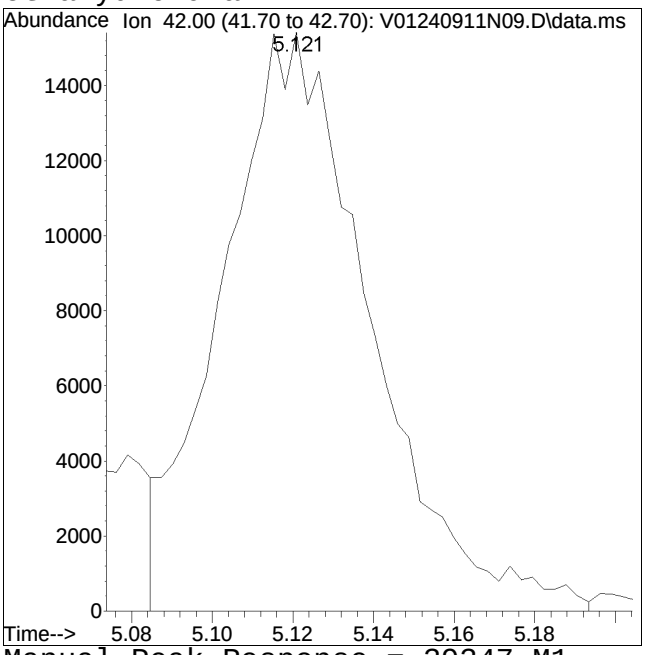


Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N09.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 2:19 am Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 9/12/2024 12:25 pm

Compound #35: Tetrahydrofuran



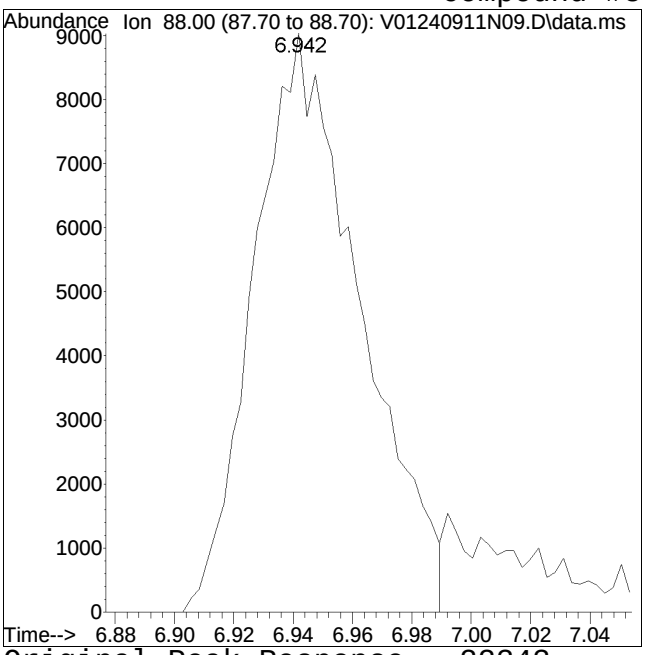


Original Peak Response = 35072 Manual Peak Response = 39347 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

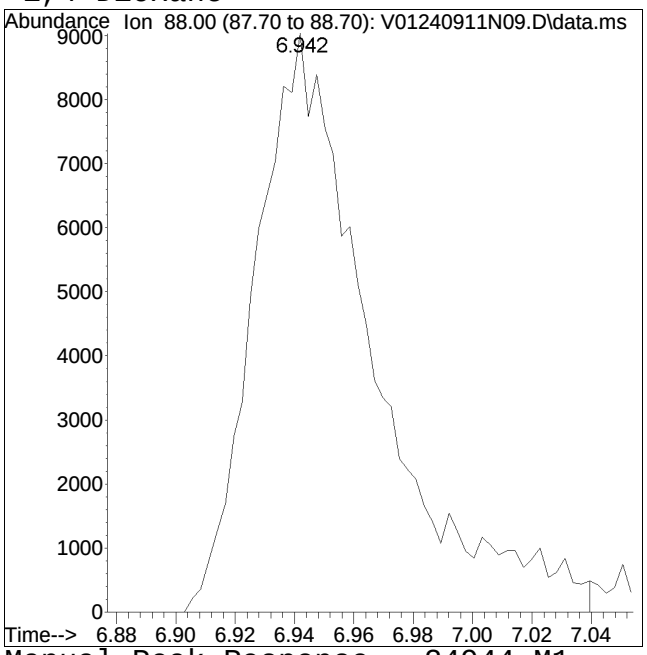
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N09.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 2:19 am Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 9/12/2024 12:25 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 22343



Manual Peak Response = 24944 M1

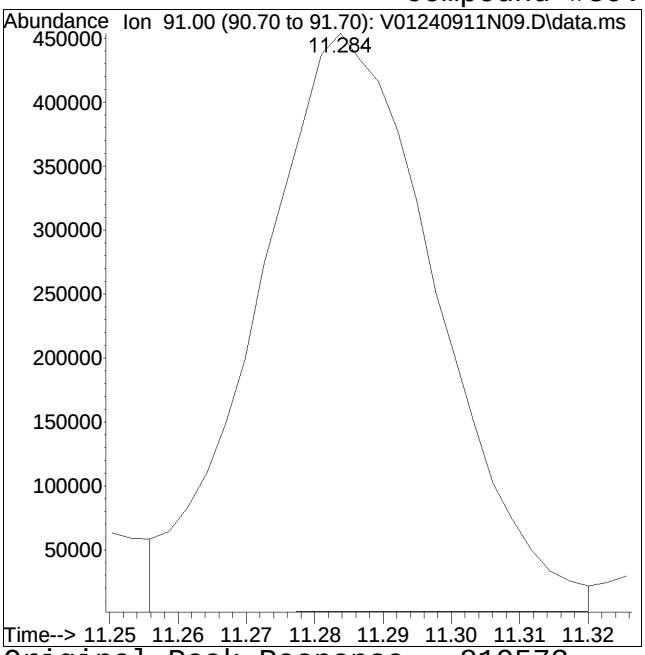
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

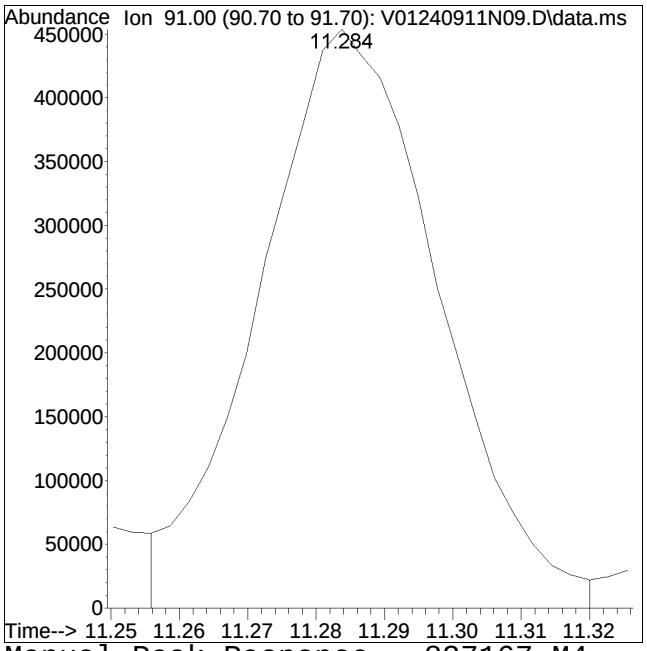
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N09.D
Date Inj'd : 9/12/2024 2:19 am
Sample : I8260STD30PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:25 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 819573



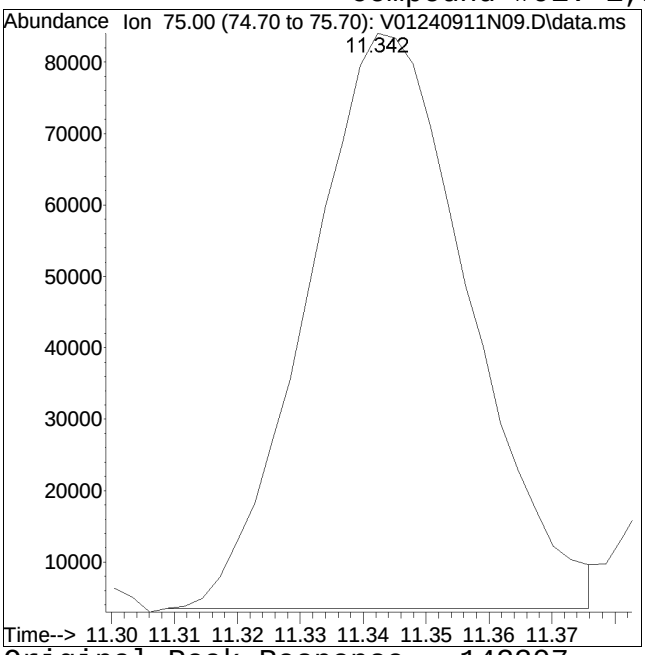
Manual Peak Response = 827167 M4

M4 = Poor automated baseline construction.

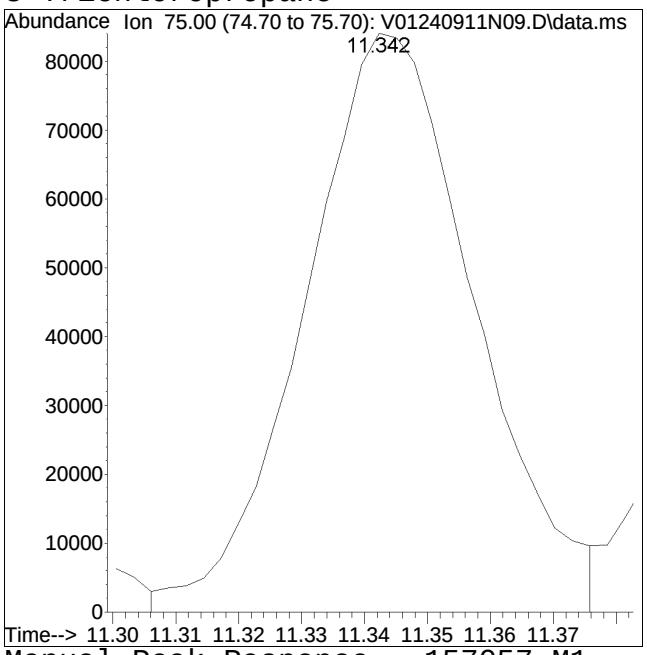
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N09.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 2:19 am Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 9/12/2024 12:25 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 142307



Manual Peak Response = 157057 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N10.D
Acq On : 12 Sep 2024 2:45 am
Operator : VOA101:PID
Sample : I8260STD80PPB
Misc : WG1970861,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 12 12:25:35 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.941	96	316687	10.000	ug/L	0.00
Standard Area 1 = 290042			Recovery = 109.19%			
59) Chlorobenzene-d5	9.457	117	268658	10.000	ug/L	0.00
Standard Area 1 = 228912			Recovery = 117.36%			
79) 1,4-Dichlorobenzene-d4	12.176	152	149067	10.000	ug/L	0.00
Standard Area 1 = 118116			Recovery = 126.20%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.135	113	83397	10.040	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.40%			
43) 1,2-Dichloroethane-d4	5.659	65	97793	10.247	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.47%			
60) Toluene-d8	7.617	98	310109	9.625	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.25%			
83) 4-Bromofluorobenzene	10.960	95	121350	9.599	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.99%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.638	85	716993	84.241	ug/L	99
3) Chloromethane	1.827	50	647924	75.446	ug/L	99
4) Vinyl chloride	1.894	62	893821	79.513	ug/L	94
5) Bromomethane	2.198	94	758607	89.435	ug/L	97
6) Chloroethane	2.301	64	893196	71.501	ug/L	100
7) Trichlorofluoromethane	2.441	101	2109482	81.725	ug/L	98
8) Ethyl ether	2.737	74	530412	79.585	ug/L	95
10) 1,1-Dichloroethene	2.915	96	642149	86.162	ug/L	95
11) Carbon disulfide	2.951	76	1702220	80.006	ug/L	100
12) Freon-113	2.954	101	624617	83.356	ug/L	86
13) Iodomethane	3.054	142	888582	93.989	ug/L	97
14) Acrolein	3.236	56	55759	89.208	ug/L	97
15) Methylene chloride	3.467	84	610622	79.526	ug/L	97
17) Acetone	3.512	43	96325	47.922	ug/L	93
18) trans-1,2-Dichloroethene	3.615	96	631644	83.458	ug/L	94
19) Methyl acetate	3.623	43	256935	82.988	ug/L	98
20) Methyl tert-butyl ether	3.715	73	1495621	85.754	ug/L	98
21) tert-Butyl alcohol	3.819	59	148945	442.439	ug/L	95
22) Diisopropyl ether	4.067	45	1934970	85.172	ug/L	98
23) 1,1-Dichloroethane	4.189	63	1163635	84.631	ug/L	99
24) Halothane	4.242	117	492410	86.116	ug/L	100

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N10.D
Acq On : 12 Sep 2024 2:45 am
Operator : VOA101:PID
Sample : I8260STD80PPB
Misc : WG1970861,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 12 12:25:35 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.231	53	127676	86.855	ug/L		97
26) Ethyl tert-butyl ether	4.407	59	1662777	86.174	ug/L		90
27) Vinyl acetate	4.415	43	911507	87.169	ug/L		99
28) cis-1,2-Dichloroethene	4.700	96	716020	84.655	ug/L		95
29) 2,2-Dichloropropane	4.797	77	923850	87.619	ug/L		99
30) Bromochloromethane	4.892	128	316469	82.756	ug/L		94
31) Cyclohexane	4.895	56	1105877	86.815	ug/L		91
32) Chloroform	4.962	83	1183092	83.990	ug/L		99
33) Ethyl acetate	5.068	43	377495	86.537	ug/L		99
34) Carbon tetrachloride	5.096	117	994578	92.727	ug/L		100
35) Tetrahydrofuran	5.118	42	109757M1	80.825	ug/L		
37) 1,1,1-Trichloroethane	5.160	97	1059621	84.123	ug/L		99
39) 2-Butanone	5.252	43	153341	84.667	ug/L	#	64
40) 1,1-Dichloropropene	5.280	75	914854	85.645	ug/L		99
41) Benzene	5.522	78	2620716	85.314	ug/L		99
42) tert-Amyl methyl ether	5.631	73	1485465	86.950	ug/L		99
44) 1,2-Dichloroethane	5.723	62	765094	83.207	ug/L		99
47) Methyl cyclohexane	6.105	83	1175823	86.688	ug/L		92
48) Trichloroethene	6.116	95	760617	87.681	ug/L		99
50) Dibromomethane	6.554	93	362375	85.858	ug/L		96
51) 1,2-Dichloropropane	6.652	63	633376	84.499	ug/L		98
53) 2-Chloroethyl vinyl ether	7.341	63	256013	90.578	ug/L		96
54) Bromodichloromethane	6.730	83	895091	87.583	ug/L		100
57) 1,4-Dioxane	6.945	88	36499M1	864.983	ug/L		
58) cis-1,3-Dichloropropene	7.407	75	1019126	91.130	ug/L		98
61) Toluene	7.675	92	1765404	82.043	ug/L		99
62) 4-Methyl-2-pentanone	8.105	58	133241	88.030	ug/L		92
63) Tetrachloroethene	8.124	166	724829	83.289	ug/L		96
65) trans-1,3-Dichloropropene	8.155	75	878797	90.997	ug/L		98
67) Ethyl methacrylate	8.342	69	670042	89.662	ug/L		92
68) 1,1,2-Trichloroethane	8.342	83	419195	84.586	ug/L		98
69) Chlorodibromomethane	8.554	129	640846	89.757	ug/L		97
70) 1,3-Dichloropropane	8.662	76	837258	83.691	ug/L		100
71) 1,2-Dibromoethane	8.827	107	488754	88.247	ug/L		98
72) 2-Hexanone	9.109	43	244181	89.810	ug/L		98
73) Chlorobenzene	9.477	112	2014001	84.240	ug/L		97
74) Ethylbenzene	9.516	91	3717829	86.693	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.560	131	719295	88.248	ug/L		99
76) p/m Xylene	9.703	106	3063020	174.697	ug/L		97
77) o Xylene	10.246	106	2944131	176.256	ug/L		99

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N10.D
Acq On : 12 Sep 2024 2:45 am
Operator : VOA101:PID
Sample : I8260STD80PPB
Misc : WG1970861,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 12 12:25:35 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	10.313	104	5040337	187.576	ug/L	97
80) Bromoform	10.341	173	412955	94.852	ug/L	100
82) Isopropylbenzene	10.631	105	3851187	85.929	ug/L	98
84) Bromobenzene	11.072	156	821662	82.703	ug/L	100
85) n-Propylbenzene	11.116	91	4599736	86.342	ug/L	99
86) 1,4-Dichlorobutane	11.133	55	859013	82.470	ug/L	97
87) 1,1,2,2-Tetrachloroethane	11.208	83	591244	84.123	ug/L	99
88) 4-Ethyltoluene	11.245	105	3628496	85.584	ug/L	98
89) 2-Chlorotoluene	11.287	91	2504864M1	84.419	ug/L	
90) 1,3,5-Trimethylbenzene	11.342	105	3206698	87.067	ug/L	97
91) 1,2,3-Trichloropropane	11.342	75	502384M1	82.663	ug/L	
92) trans-1,4-Dichloro-2-b...	11.395	53	166322	87.017	ug/L	97
93) 4-Chlorotoluene	11.471	91	2551317	85.733	ug/L	99
94) tert-Butylbenzene	11.685	119	2636273	86.516	ug/L	100
97) 1,2,4-Trimethylbenzene	11.763	105	3055445	87.014	ug/L	98
98) sec-Butylbenzene	11.875	105	3928402	87.260	ug/L	98
99) p-Isopropyltoluene	12.031	119	3303342	89.400	ug/L	99
100) 1,3-Dichlorobenzene	12.098	146	1656872	85.972	ug/L	99
101) 1,4-Dichlorobenzene	12.190	146	1631795	83.121	ug/L	99
102) p-Diethylbenzene	12.405	119	1805833	89.377	ug/L	98
103) n-Butylbenzene	12.463	91	2687418	88.637	ug/L	98
104) 1,2-Dichlorobenzene	12.614	146	1431430	84.771	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.200	119	2380583	88.660	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.395	155	68898	99.702	ug/L	94
107) 1,3,5-Trichlorobenzene	13.431	180	803951	84.552	ug/L	98
108) Hexachlorobutadiene	14.005	225	257606	81.643	ug/L	100
109) 1,2,4-Trichlorobenzene	14.028	180	634650	84.744	ug/L	97
110) Naphthalene	14.321	128	1326910	86.107	ug/L	100
111) 1,2,3-Trichlorobenzene	14.491	180	486599	84.895	ug/L	97

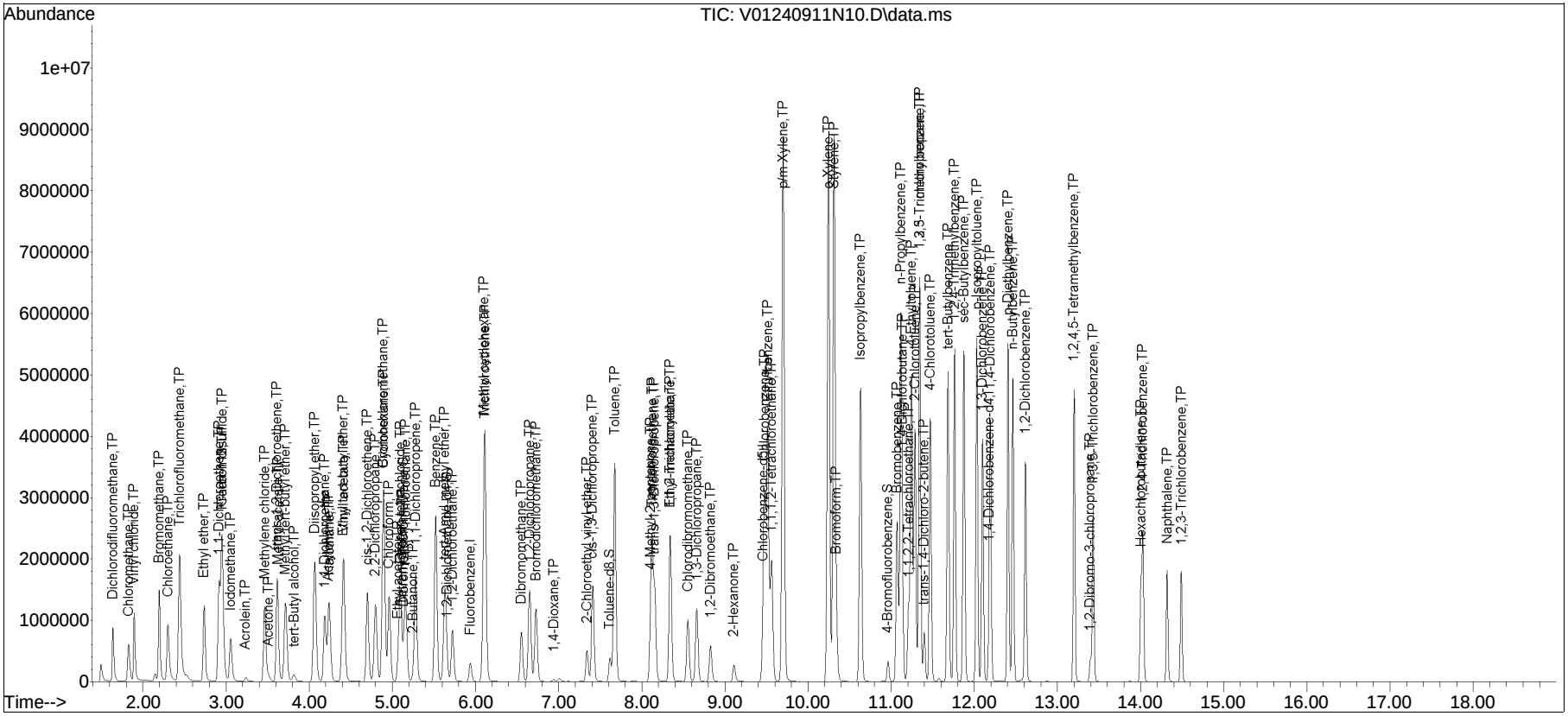
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N10.D
Acq On : 12 Sep 2024 2:45 am
Operator : VOA101:PID
Sample : I8260STD80PPB
Misc : WG1970861,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 12 12:25:35 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V01240911N08.D•

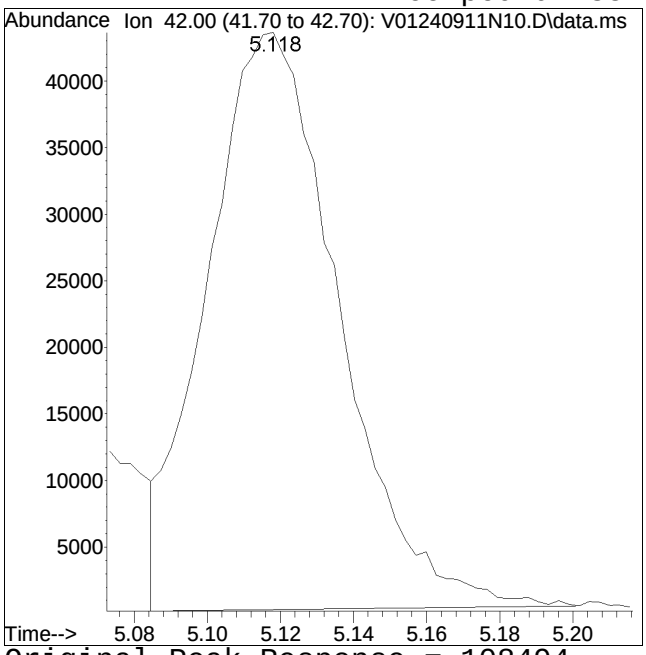


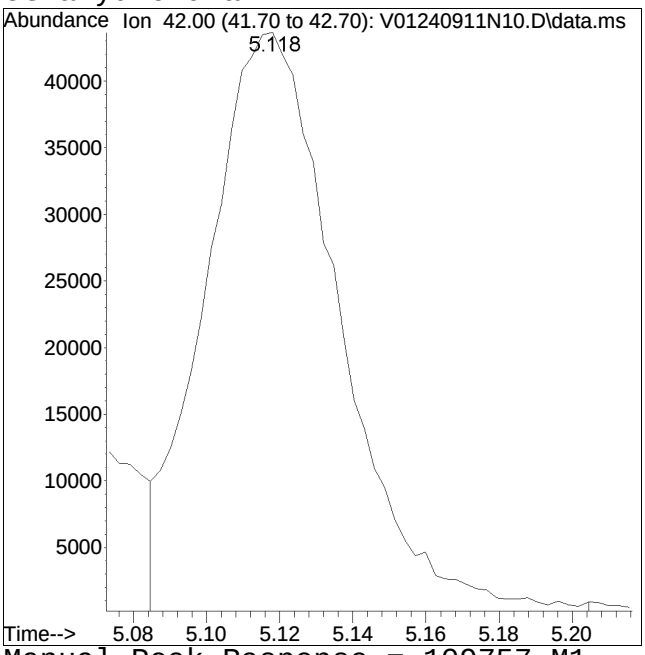
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N10.D
Date Inj'd : 9/12/2024 2:45 am
Sample : I8260STD80PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:25 pm

Compound #35: Tetrahydrofuran





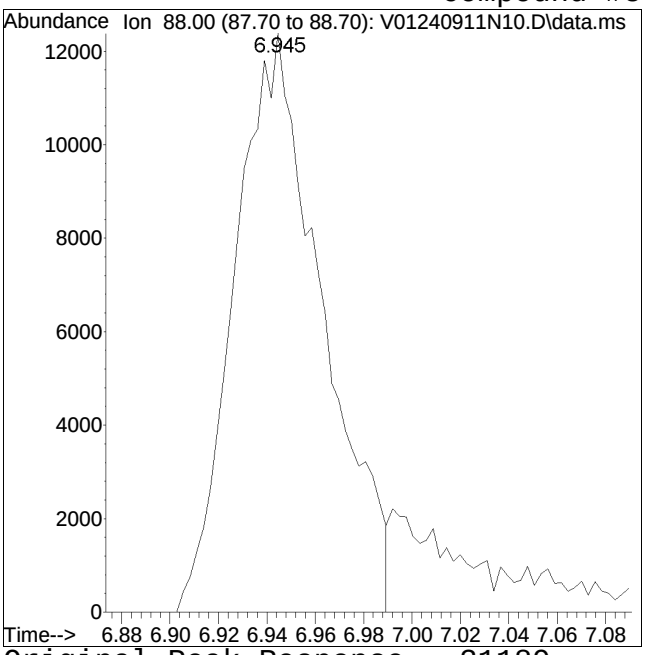
Original Peak Response = 108494 Manual Peak Response = 109757 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

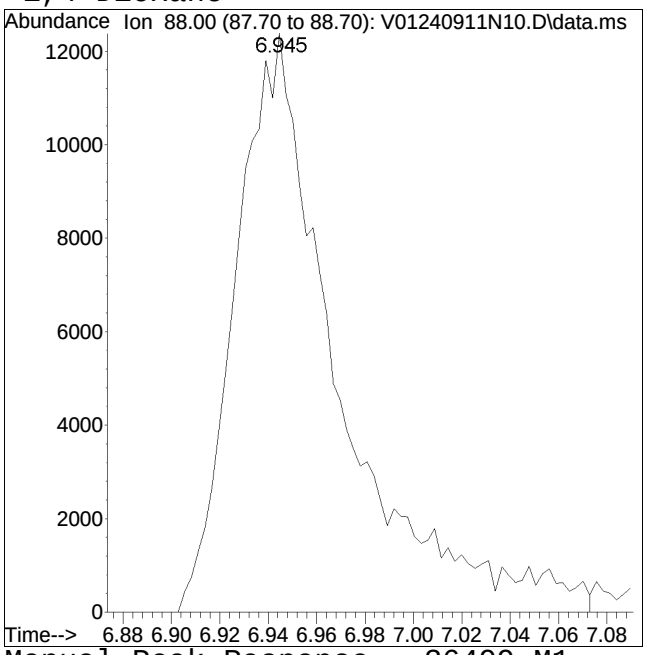
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N10.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 2:45 am Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 9/12/2024 12:25 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 31189



Manual Peak Response = 36499 M1

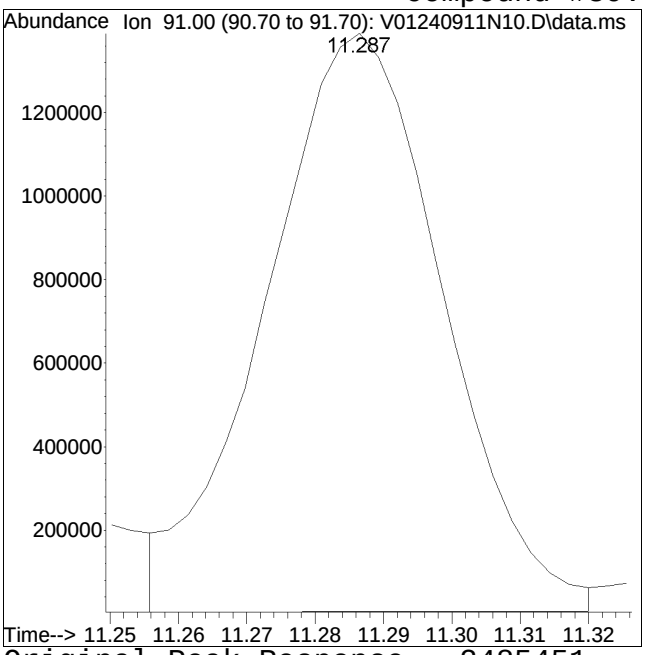
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

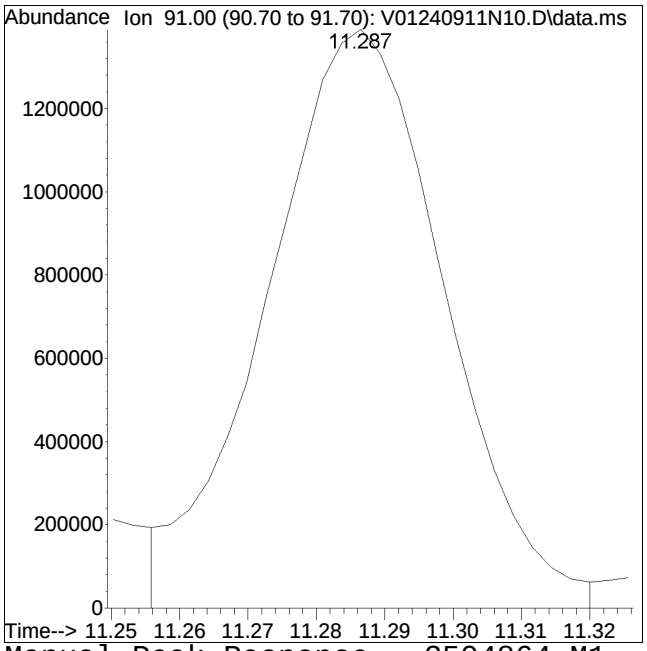
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N10.D
Date Inj'd : 9/12/2024 2:45 am
Sample : I8260STD80PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:25 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 2485451



Manual Peak Response = 2504864 M1

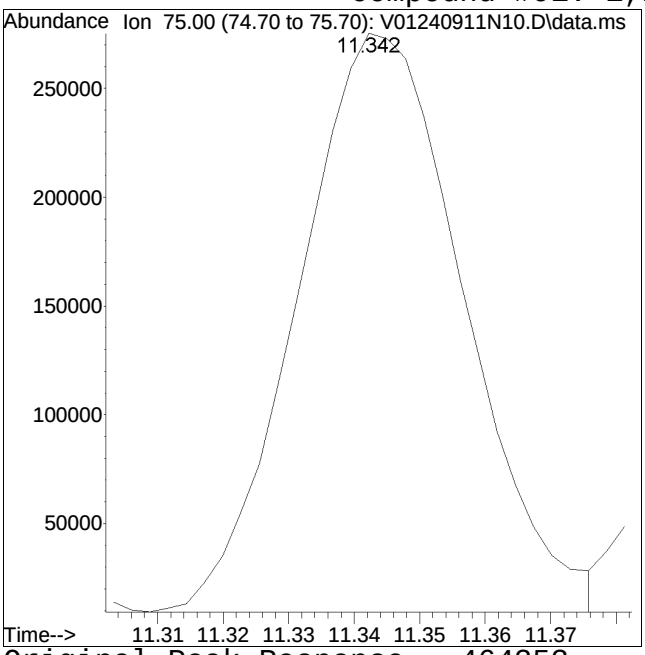
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

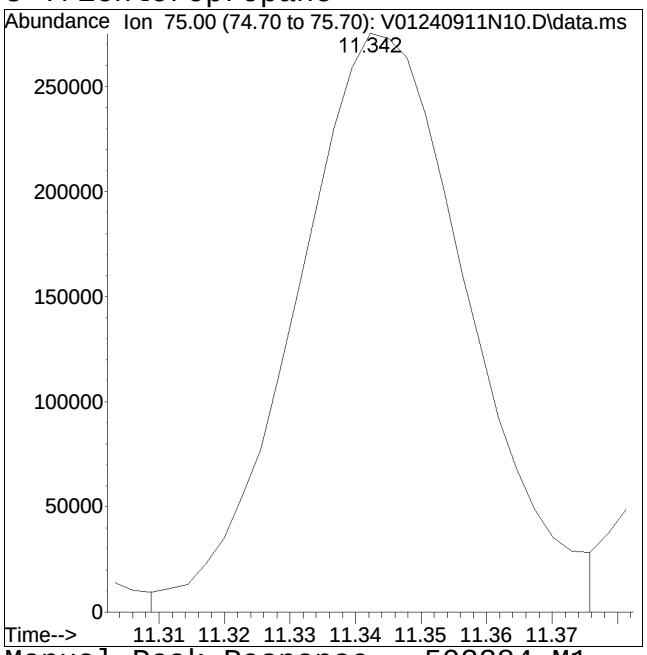
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N10.D
Date Inj'd : 9/12/2024 2:45 am
Sample : I8260STD80PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:25 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 464353



Manual Peak Response = 502384 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N11.D
Acq On : 12 Sep 2024 3:11 am
Operator : VOA101:PID
Sample : I8260STD120PPB
Misc : WG1970861,ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 12 12:25:42 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.941	96	336369	10.000	ug/L	0.00
Standard Area 1 = 290042			Recovery = 115.97%			
59) Chlorobenzene-d5	9.457	117	292322	10.000	ug/L	0.00
Standard Area 1 = 228912			Recovery = 127.70%			
79) 1,4-Dichlorobenzene-d4	12.179	152	161545	10.000	ug/L	0.00
Standard Area 1 = 118116			Recovery = 136.77%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.135	113	92661	10.503	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.03%			
43) 1,2-Dichloroethane-d4	5.656	65	105176	10.376	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.76%			
60) Toluene-d8	7.619	98	331171	9.447	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.47%			
83) 4-Bromofluorobenzene	10.963	95	129195	9.430	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.638	85	1119407	123.826	ug/L	99
3) Chloromethane	1.827	50	997944	109.404	ug/L	99
4) Vinyl chloride	1.894	62	1375159	115.174	ug/L	98
5) Bromomethane	2.195	94	1215807	134.950	ug/L	96
6) Chloroethane	2.299	64	1302124	98.137	ug/L	100
7) Trichlorofluoromethane	2.441	101	3179828	115.984	ug/L	98
8) Ethyl ether	2.736	74	809702	114.382	ug/L	94
10) 1,1-Dichloroethene	2.918	96	918718	116.058	ug/L	96
11) Carbon disulfide	2.951	76	2833538	125.386	ug/L	100
12) Freon-113	2.951	101	1027727	129.126	ug/L	85
13) Iodomethane	3.054	142	1415557	140.968	ug/L	96
14) Acrolein	3.238	56	90743	136.683	ug/L	97
15) Methylene chloride	3.464	84	952993	116.853	ug/L	96
17) Acetone	3.512	43	152601	71.477	ug/L	96
18) trans-1,2-Dichloroethene	3.615	96	1007877	125.376	ug/L	93
19) Methyl acetate	3.623	43	395622	120.306	ug/L	98
20) Methyl tert-butyl ether	3.715	73	2376209	128.271	ug/L	98
21) tert-Butyl alcohol	3.816	59	238218	666.218	ug/L	96
22) Diisopropyl ether	4.064	45	3011948	124.820	ug/L	98
23) 1,1-Dichloroethane	4.187	63	1804770	123.580	ug/L	98
24) Halothane	4.242	117	776694	127.885	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N11.D
Acq On : 12 Sep 2024 3:11 am
Operator : VOA101:PID
Sample : I8260STD120PPB
Misc : WG1970861,ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 12 12:25:42 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.231	53	201430	129.011	ug/L		95
26) Ethyl tert-butyl ether	4.410	59	2615784	127.632	ug/L		89
27) Vinyl acetate	4.415	43	1421810	128.014	ug/L		100
28) cis-1,2-Dichloroethene	4.700	96	1114588	124.067	ug/L		95
29) 2,2-Dichloropropane	4.797	77	1413198	126.187	ug/L		98
30) Bromochloromethane	4.892	128	500301	123.173	ug/L		91
31) Cyclohexane	4.895	56	1754338	129.663	ug/L		90
32) Chloroform	4.962	83	1827420	122.141	ug/L		98
33) Ethyl acetate	5.068	43	585427	126.351	ug/L		99
34) Carbon tetrachloride	5.093	117	1560847	137.007	ug/L		100
35) Tetrahydrofuran	5.115	42	164797	114.255	ug/L	#	82
37) 1,1,1-Trichloroethane	5.160	97	1648365	123.206	ug/L		99
39) 2-Butanone	5.252	43	237425	123.423	ug/L	#	47
40) 1,1-Dichloropropene	5.280	75	1430524	126.084	ug/L		99
41) Benzene	5.519	78	4102160	125.727	ug/L		99
42) tert-Amyl methyl ether	5.634	73	2354953	129.779	ug/L		98
44) 1,2-Dichloroethane	5.726	62	1190642	121.910	ug/L		99
47) Methyl cyclohexane	6.105	83	1915832	132.980	ug/L		91
48) Trichloroethene	6.113	95	1236064	134.152	ug/L		98
50) Dibromomethane	6.551	93	567969	126.695	ug/L		96
51) 1,2-Dichloropropane	6.649	63	974489	122.400	ug/L		98
53) 2-Chloroethyl vinyl ether	7.340	63	388680	129.469	ug/L		97
54) Bromodichloromethane	6.727	83	1391704	128.208	ug/L		100
57) 1,4-Dioxane	6.942	88	57705M1	1287.521	ug/L		
58) cis-1,3-Dichloropropene	7.413	75	1583675	133.325	ug/L		98
61) Toluene	7.672	92	2770998	118.351	ug/L		99
62) 4-Methyl-2-pentanone	8.105	58	212007	128.730	ug/L		94
63) Tetrachloroethene	8.124	166	1157915	122.283	ug/L		96
65) trans-1,3-Dichloropropene	8.155	75	1385039	131.807	ug/L		99
67) Ethyl methacrylate	8.344	69	1079969	132.818	ug/L		92
68) 1,1,2-Trichloroethane	8.342	83	660969	122.575	ug/L		97
69) Chlorodibromomethane	8.554	129	1007134	129.641	ug/L		96
70) 1,3-Dichloropropane	8.662	76	1293051	118.788	ug/L		99
71) 1,2-Dibromoethane	8.827	107	760598	126.212	ug/L		99
72) 2-Hexanone	9.108	43	388149	131.205	ug/L		97
73) Chlorobenzene	9.477	112	3201713	123.078	ug/L		96
74) Ethylbenzene	9.513	91	5845839	125.279	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.563	131	1139140	128.444	ug/L		98
76) p/m Xylene	9.702	106	5082885	266.431	ug/L		96
77) o Xylene	10.246	106	4862468	267.535	ug/L		97

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N11.D
Acq On : 12 Sep 2024 3:11 am
Operator : VOA101:PID
Sample : I8260STD120PPB
Misc : WG1970861,ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 12 12:25:42 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	10.316	104	8274398	283.004	ug/L	97
80) Bromoform	10.341	173	674487	142.956	ug/L	100
82) Isopropylbenzene	10.634	105	6065450	124.881	ug/L	98
84) Bromobenzene	11.072	156	1309320	121.608	ug/L	99
85) n-Propylbenzene	11.119	91	7304375	126.520	ug/L	100
86) 1,4-Dichlorobutane	11.133	55	1348385	119.454	ug/L	97
87) 1,1,2,2-Tetrachloroethane	11.208	83	908804	119.318	ug/L	99
88) 4-Ethyltoluene	11.245	105	5750922	125.168	ug/L	98
89) 2-Chlorotoluene	11.286	91	3891620M1	121.025	ug/L	
90) 1,3,5-Trimethylbenzene	11.345	105	5201434	130.319	ug/L	98
91) 1,2,3-Trichloropropane	11.345	75	808772M1	122.798	ug/L	
92) trans-1,4-Dichloro-2-b...	11.398	53	258928	125.003	ug/L	100
93) 4-Chlorotoluene	11.473	91	4009041	124.312	ug/L	98
94) tert-Butylbenzene	11.685	119	4235711	128.268	ug/L	100
97) 1,2,4-Trimethylbenzene	11.763	105	4853548	127.544	ug/L	98
98) sec-Butylbenzene	11.878	105	6304536	129.223	ug/L	98
99) p-Isopropyltoluene	12.031	119	5309122	132.586	ug/L	99
100) 1,3-Dichlorobenzene	12.101	146	2599107	124.446	ug/L	99
101) 1,4-Dichlorobenzene	12.195	146	2583764	121.446	ug/L	98
102) p-Diethylbenzene	12.407	119	2895678	132.247	ug/L	98
103) n-Butylbenzene	12.466	91	4221415	128.477	ug/L	98
104) 1,2-Dichlorobenzene	12.617	146	2236651	122.225	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.202	119	3837989	131.897	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.397	155	112927	150.794	ug/L	97
107) 1,3,5-Trichlorobenzene	13.431	180	1297294	125.898	ug/L	98
108) Hexachlorobutadiene	14.003	225	438068	128.113	ug/L	99
109) 1,2,4-Trichlorobenzene	14.028	180	1032462	127.215	ug/L	96
110) Naphthalene	14.320	128	2175889	130.293	ug/L	100
111) 1,2,3-Trichlorobenzene	14.491	180	794019	127.829	ug/L	97

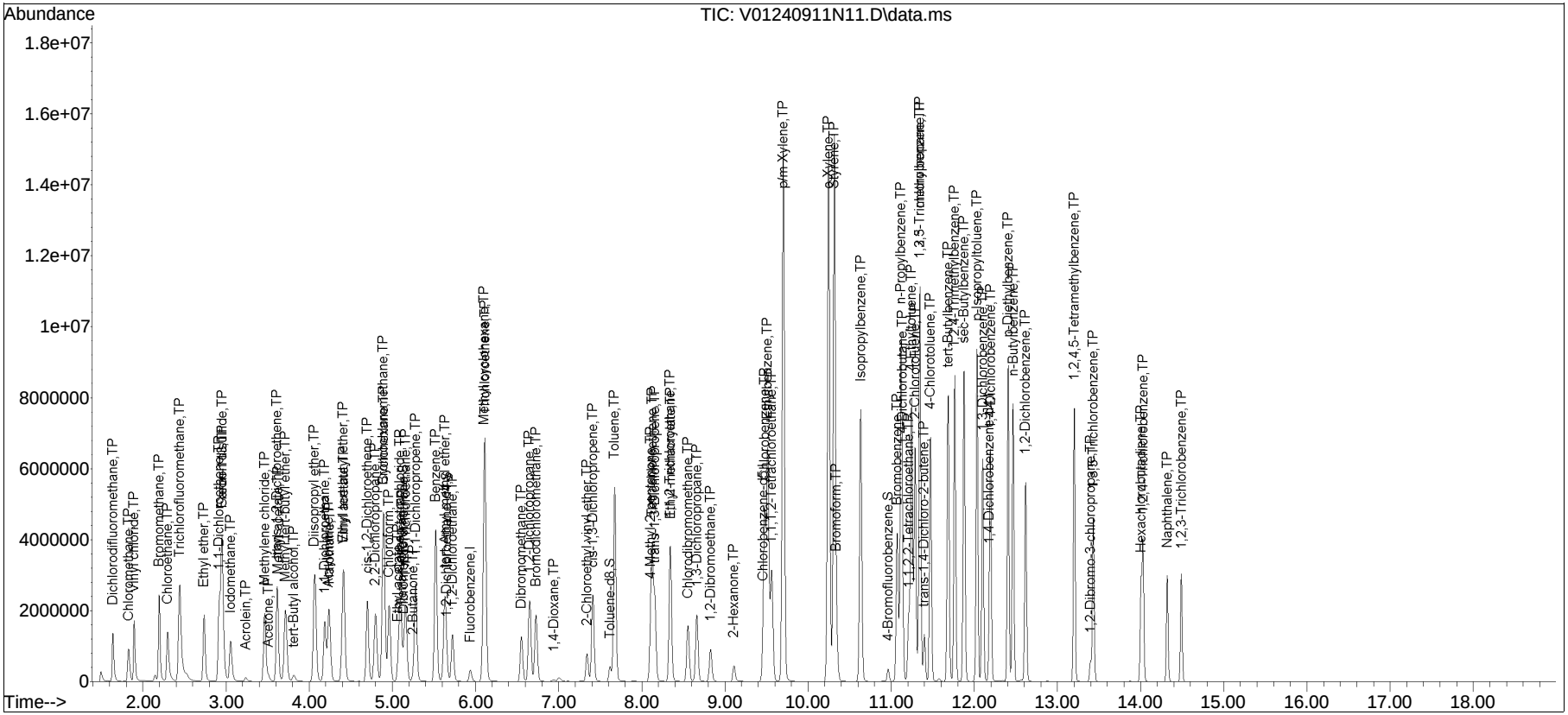
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N11.D
Acq On : 12 Sep 2024 3:11 am
Operator : VOA101:PID
Sample : I8260STD120PPB
Misc : WG1970861,ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 12 12:25:42 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

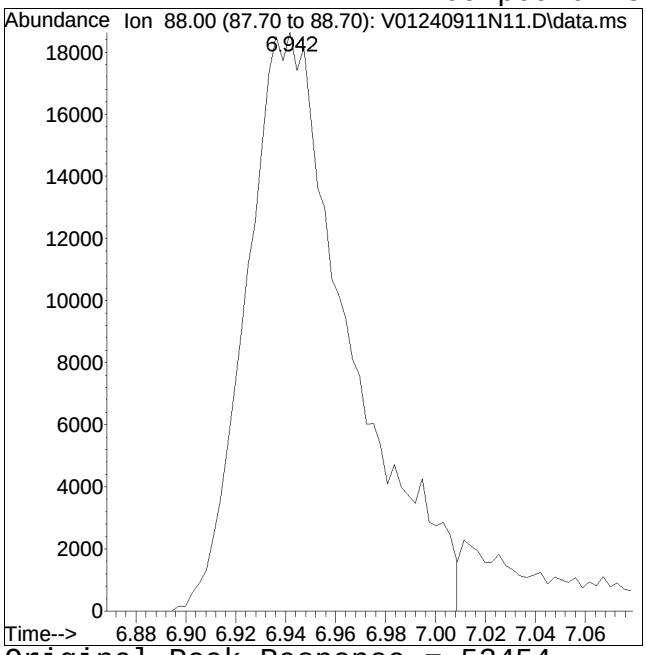
Sub List : 8260-Curve - Megamix plus Diox\V01240911N08.D•

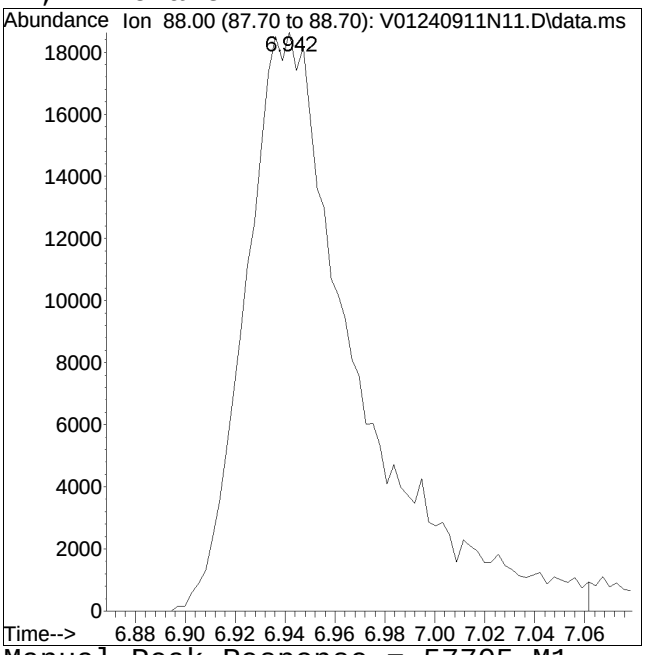


Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N11.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 3:11 am Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 9/12/2024 12:25 pm

Compound #57: 1,4-Dioxane





Original Peak Response = 53454 Manual Peak Response = 57705 M1

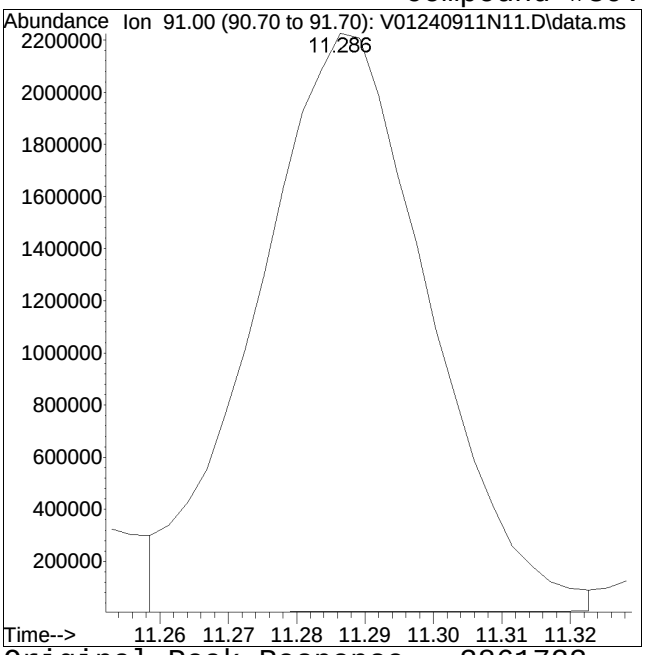
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

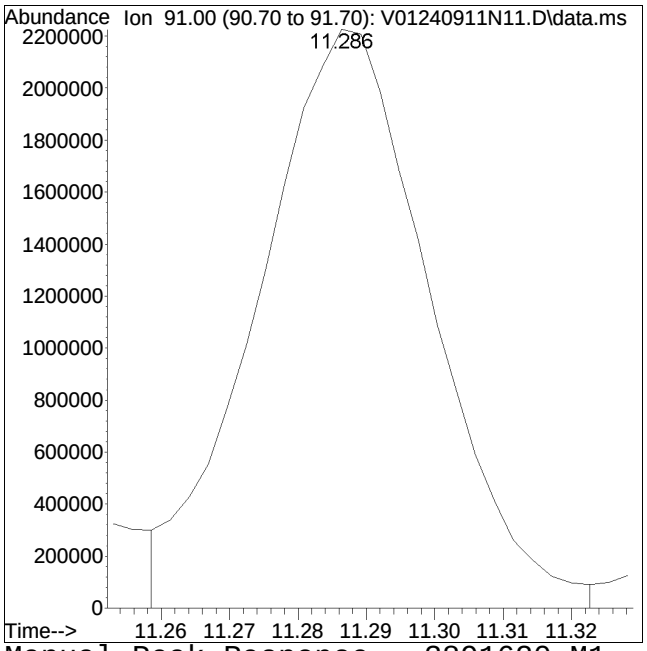
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N11.D
Date Inj'd : 9/12/2024 3:11 am
Sample : I8260STD120PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:25 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 3861723



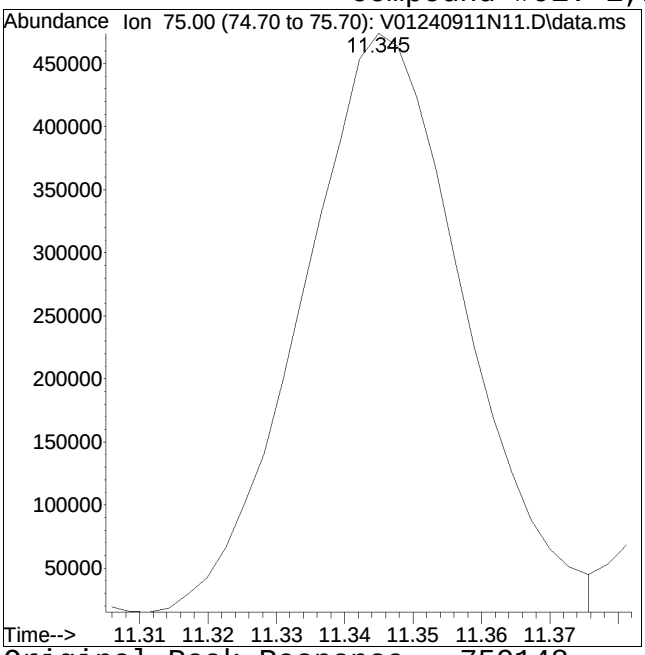
Manual Peak Response = 3891620 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

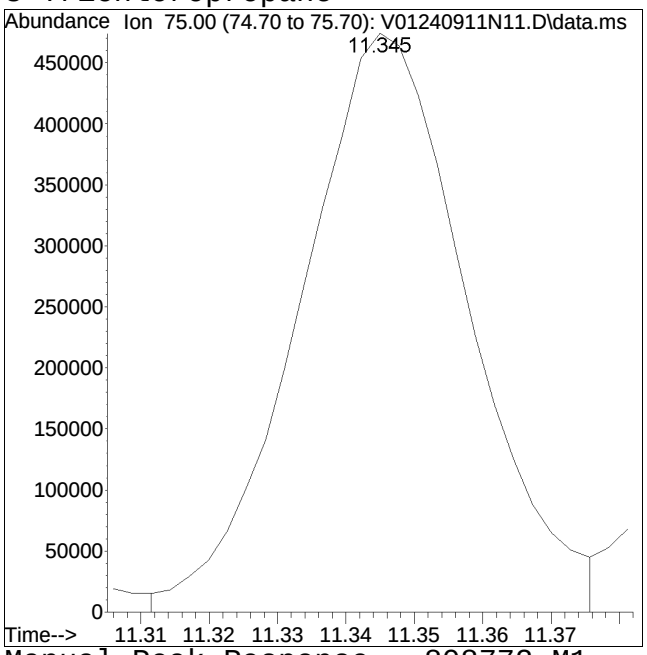
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N11.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 3:11 am Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 9/12/2024 12:25 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 750148



Manual Peak Response = 808772 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N12.D
Acq On : 12 Sep 2024 3:37 am
Operator : VOA101:PID
Sample : I8260STD200PPB
Misc : WG1970861,ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 12 12:25:49 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	344795	10.000	ug/L	0.00
Standard Area 1 = 290042			Recovery = 118.88%			
59) Chlorobenzene-d5	9.460	117	314863	10.000	ug/L	0.00
Standard Area 1 = 228912			Recovery = 137.55%			
79) 1,4-Dichlorobenzene-d4	12.182	152	170932	10.000	ug/L	0.00
Standard Area 1 = 118116			Recovery = 144.72%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.138	113	96674	10.690	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.90%			
43) 1,2-Dichloroethane-d4	5.653	65	111023	10.685	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.85%			
60) Toluene-d8	7.619	98	337808	8.946	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.46%			
83) 4-Bromofluorobenzene	10.960	95	133574	9.214	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.14%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.638	85	2002629	216.111	ug/L	99
3) Chloromethane	1.827	50	1798351	192.334	ug/L	99
4) Vinyl chloride	1.894	62	2524416	206.261	ug/L	98
5) Bromomethane	2.196	94	2288939	247.854	ug/L	97
6) Chloroethane	2.293	64	2108807	155.051	ug/L	100
7) Trichlorofluoromethane	2.441	101	5526523	196.653	ug/L	98
8) Ethyl ether	2.737	74	1366649	188.340	ug/L	94
10) 1,1-Dichloroethene	2.915	96	2308607	284.510	ug/L	92
11) Carbon disulfide	2.949	76	5865787	253.222	ug/L	100
12) Freon-113	2.949	101	2154564	264.089	ug/L	87
13) Iodomethane	3.054	142	2585891	251.223	ug/L	96
14) Acrolein	3.236	56	158853	233.428	ug/L	95
15) Methylene chloride	3.464	84	1731606	207.135	ug/L	95
17) Acetone	3.509	43	252069	115.181	ug/L	97
18) trans-1,2-Dichloroethene	3.615	96	1893511	229.789	ug/L	92
19) Methyl acetate	3.623	43	666950	197.859	ug/L	99
20) Methyl tert-butyl ether	3.713	73	4202814	221.330	ug/L	98
21) tert-Butyl alcohol	3.816	59	398203	1086.429	ug/L	97
22) Diisopropyl ether	4.067	45	5411679	218.787	ug/L	98
23) 1,1-Dichloroethane	4.187	63	3234928	216.096	ug/L	98
24) Halothane	4.237	117	1450442	232.984	ug/L	99

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N12.D
Acq On : 12 Sep 2024 3:37 am
Operator : VOA101:PID
Sample : I8260STD200PPB
Misc : WG1970861,ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 12 12:25:49 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.234	53	352477	220.236	ug/L		97
26) Ethyl tert-butyl ether	4.410	59	4759887	226.574	ug/L		90
27) Vinyl acetate	4.418	43	2612696	229.488	ug/L		100
28) cis-1,2-Dichloroethene	4.700	96	2047057	222.294	ug/L		94
29) 2,2-Dichloropropane	4.795	77	2561168	223.103	ug/L		97
30) Bromochloromethane	4.892	128	929327	223.207	ug/L		89
31) Cyclohexane	4.895	56	3269963	235.777	ug/L		89
32) Chloroform	4.962	83	3344778	218.095	ug/L		98
33) Ethyl acetate	5.068	43	1012895	213.268	ug/L		98
34) Carbon tetrachloride	5.096	117	2925724	250.536	ug/L		100
35) Tetrahydrofuran	5.112	42	294615M1	199.267	ug/L		
37) 1,1,1-Trichloroethane	5.157	97	3049054	222.331	ug/L		98
39) 2-Butanone	5.249	43	405828	205.810	ug/L		96
40) 1,1-Dichloropropene	5.280	75	2641502	227.128	ug/L		99
41) Benzene	5.522	78	7577686	226.572	ug/L		99
42) tert-Amyl methyl ether	5.631	73	4237060	227.793	ug/L		97
44) 1,2-Dichloroethane	5.723	62	2096663	209.431	ug/L		99
47) Methyl cyclohexane	6.105	83	3719933	251.895	ug/L		90
48) Trichloroethene	6.116	95	2455826	260.021	ug/L		97
50) Dibromomethane	6.551	93	1013728	220.603	ug/L		97
51) 1,2-Dichloropropane	6.649	63	1763410	216.079	ug/L		98
53) 2-Chloroethyl vinyl ether	7.341	63	672821	218.640	ug/L		95
54) Bromodichloromethane	6.727	83	2520255	226.500	ug/L		100
57) 1,4-Dioxane	6.945	88	98021M1	2133.610	ug/L		
58) cis-1,3-Dichloropropene	7.410	75	2897866	238.002	ug/L		100
61) Toluene	7.675	92	5254251	208.346	ug/L		99
62) 4-Methyl-2-pentanone	8.105	58	375746	211.819	ug/L		94
63) Tetrachloroethene	8.124	166	2288798	224.407	ug/L		97
65) trans-1,3-Dichloropropene	8.158	75	2578102	227.780	ug/L		100
67) Ethyl methacrylate	8.342	69	1960973	223.902	ug/L		93
68) 1,1,2-Trichloroethane	8.342	83	1212111	208.691	ug/L		97
69) Chlorodibromomethane	8.556	129	1850202	221.112	ug/L		97
70) 1,3-Dichloropropane	8.662	76	2306567	196.727	ug/L		100
71) 1,2-Dibromoethane	8.827	107	1360357	209.575	ug/L		99
72) 2-Hexanone	9.109	43	662949	208.053	ug/L		99
73) Chlorobenzene	9.477	112	6127497	218.685	ug/L		96
74) Ethylbenzene	9.516	91	11343315	225.689	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.566	131	2164531	226.590	ug/L		98
76) p/m Xylene	9.705	106	10660943	518.812	ug/L	#	1
77) o Xylene	10.249	106	9986720	510.138	ug/L	#	1

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N12.D
Acq On : 12 Sep 2024 3:37 am
Operator : VOA101:PID
Sample : I8260STD200PPB
Misc : WG1970861,ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 12 12:25:49 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	10.316	104	16275637	516.815	ug/L	99
80) Bromoform	10.344	173	1301396	260.681	ug/L	100
82) Isopropylbenzene	10.634	105	11763648	228.900	ug/L	99
84) Bromobenzene	11.072	156	2452160	215.246	ug/L	99
85) n-Propylbenzene	11.119	91	14116171	231.080	ug/L	99
86) 1,4-Dichlorobutane	11.133	55	2523156	211.252	ug/L	97
87) 1,1,2,2-Tetrachloroethane	11.208	83	1587040	196.921	ug/L	99
88) 4-Ethyltoluene	11.247	105	11192416	230.223	ug/L	99
89) 2-Chlorotoluene	11.289	91	7304302M1	214.681	ug/L	
90) 1,3,5-Trimethylbenzene	11.348	105	10169541	240.799	ug/L	98
91) 1,2,3-Trichloropropane	11.345	75	1537173M1	220.575	ug/L	
92) trans-1,4-Dichloro-2-b...	11.401	53	441432	201.408	ug/L	96
93) 4-Chlorotoluene	11.473	91	7575997	222.015	ug/L	97
94) tert-Butylbenzene	11.685	119	8137628	232.895	ug/L	99
97) 1,2,4-Trimethylbenzene	11.763	105	9196744	228.405	ug/L	98
98) sec-Butylbenzene	11.878	105	11818443	228.938	ug/L	99
99) p-Isopropyltoluene	12.034	119	10134564	239.193	ug/L	99
100) 1,3-Dichlorobenzene	12.101	146	4904998	221.955	ug/L	99
101) 1,4-Dichlorobenzene	12.196	146	4878786	216.727	ug/L	98
102) p-Diethylbenzene	12.408	119	5627272	242.886	ug/L	99
103) n-Butylbenzene	12.466	91	7920288	227.812	ug/L	98
104) 1,2-Dichlorobenzene	12.617	146	4179049	215.829	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.202	119	7688706	249.721	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.398	155	203467	256.773	ug/L	98
107) 1,3,5-Trichlorobenzene	13.431	180	2618691	240.179	ug/L	98
108) Hexachlorobutadiene	14.005	225	901135	249.065	ug/L	100
109) 1,2,4-Trichlorobenzene	14.028	180	2125912	247.559	ug/L	97
110) Naphthalene	14.318	128	3903070	220.881	ug/L	100
111) 1,2,3-Trichlorobenzene	14.488	180	1505677	229.086	ug/L	97

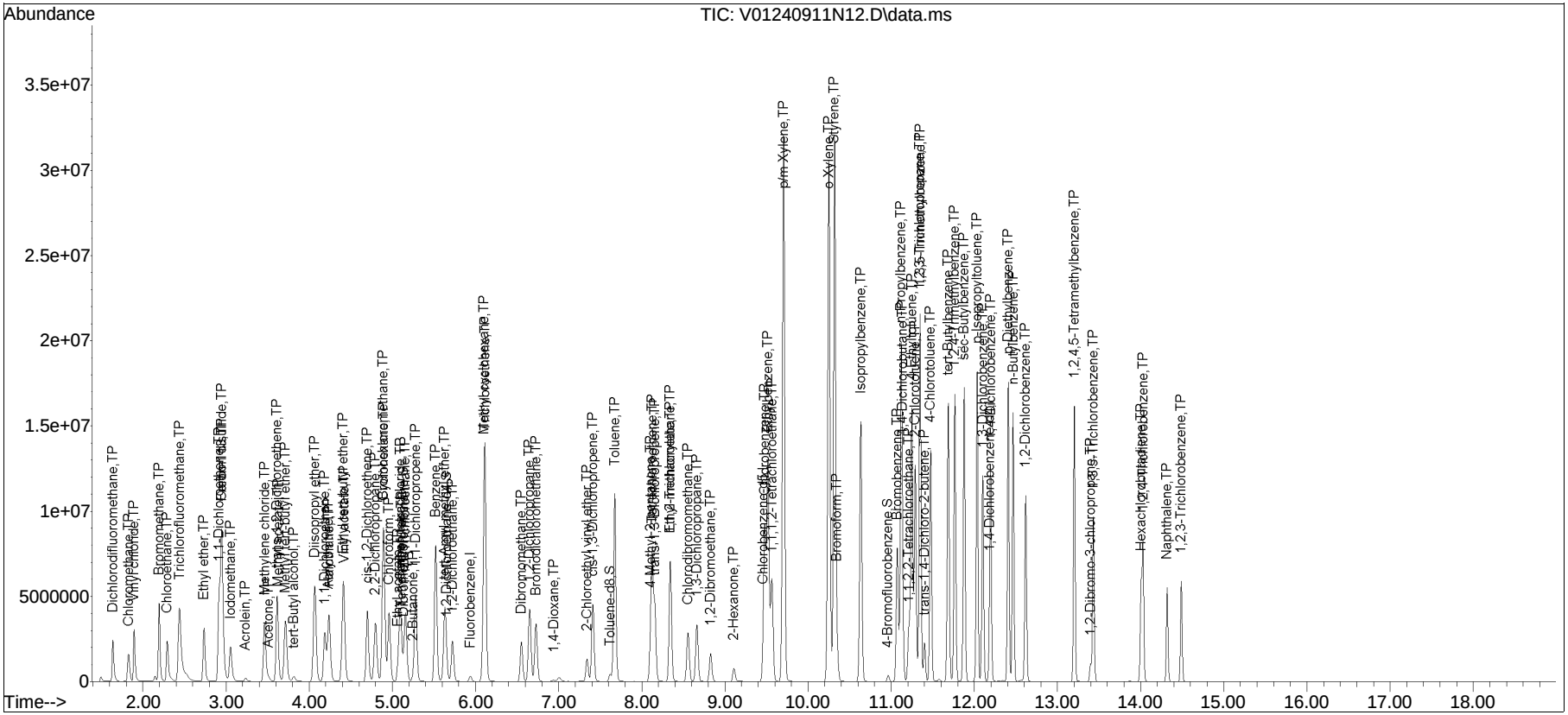
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N12.D
Acq On : 12 Sep 2024 3:37 am
Operator : VOA101:PID
Sample : I8260STD200PPB
Misc : WG1970861,ICAL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 12 12:25:49 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:24:29 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V01240911N08.D•

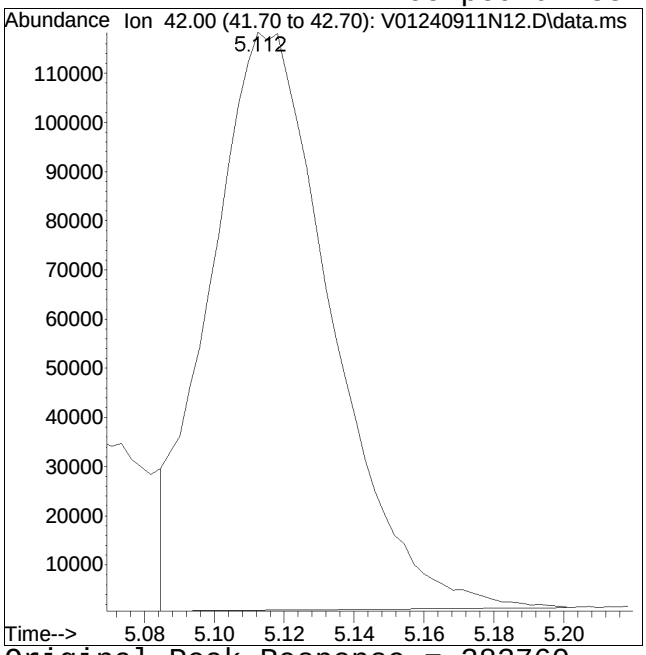


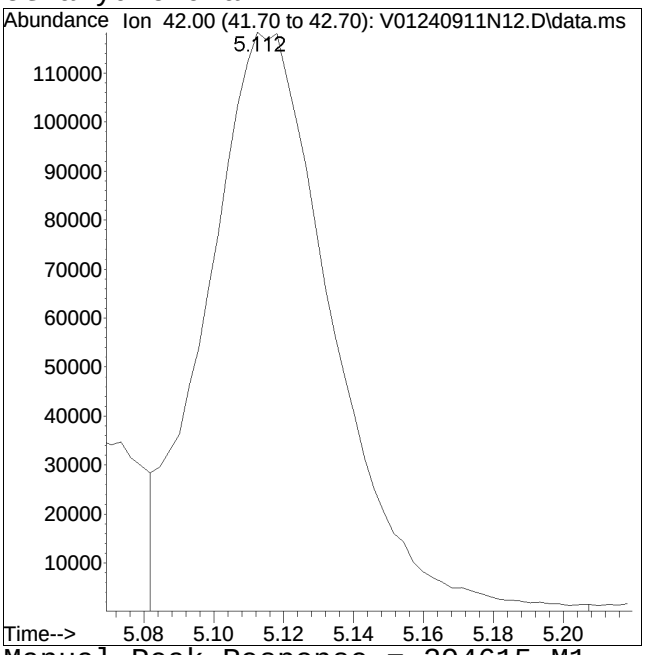
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N12.D
Date Inj'd : 9/12/2024 3:37 am
Sample : I8260STD200PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:25 pm

Compound #35: Tetrahydrofuran





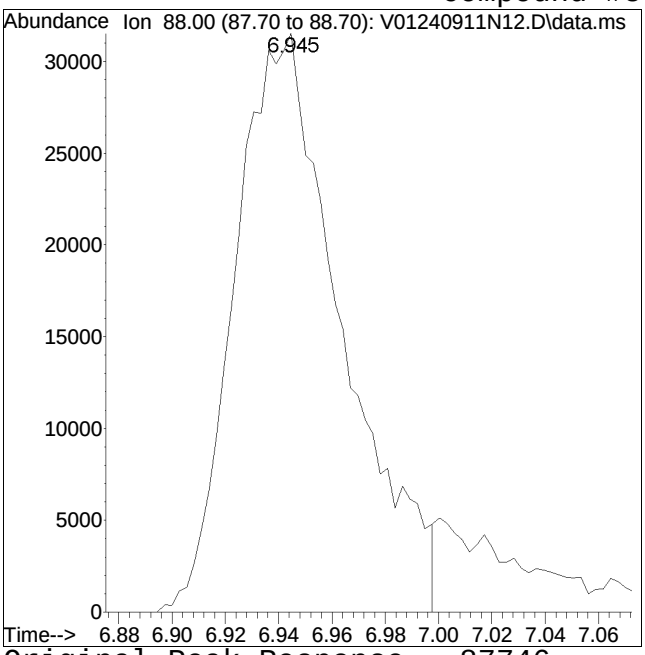
Original Peak Response = 283760 Manual Peak Response = 294615 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

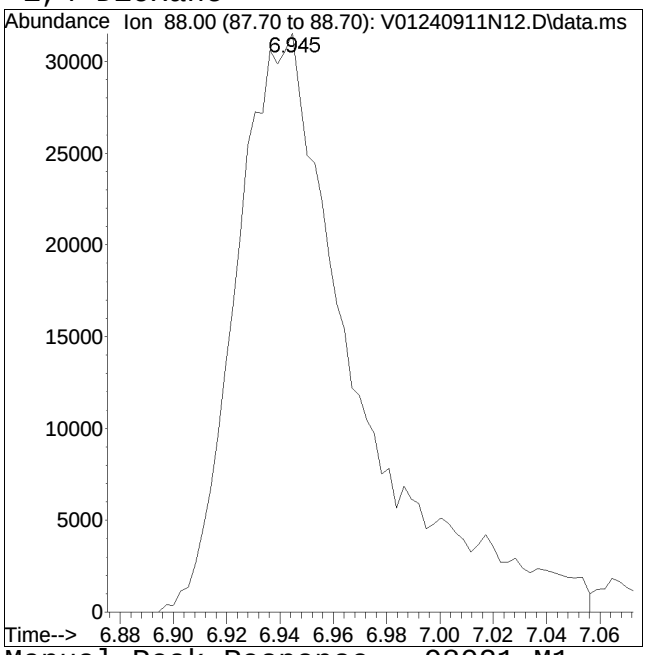
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N12.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 3:37 am Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 9/12/2024 12:25 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 87746



Manual Peak Response = 98021 M1

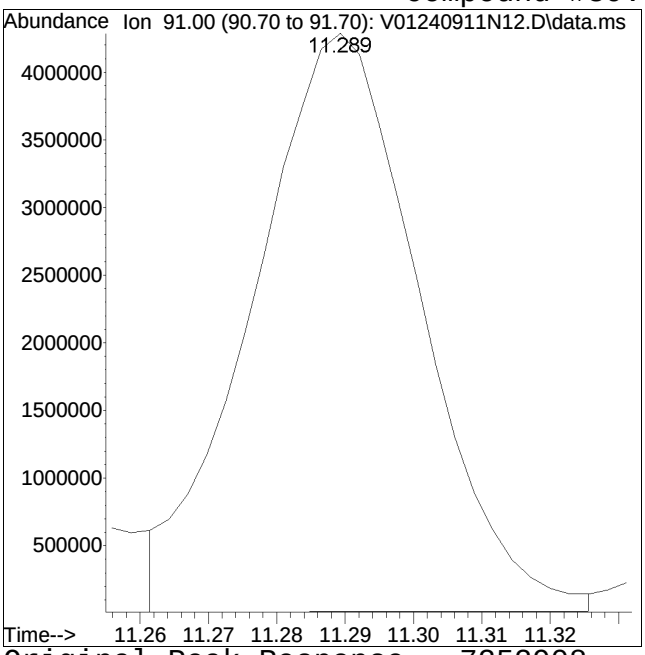
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

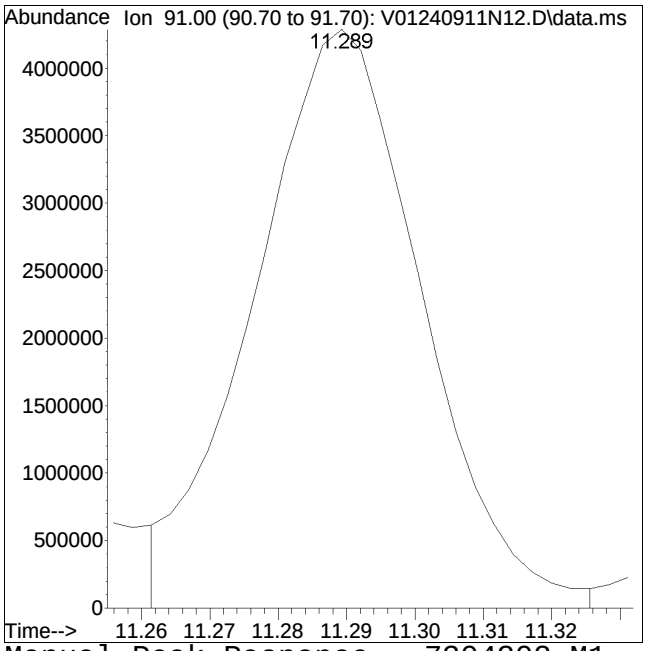
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N12.D
Date Inj'd : 9/12/2024 3:37 am
Sample : I8260STD200PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:25 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 7252908



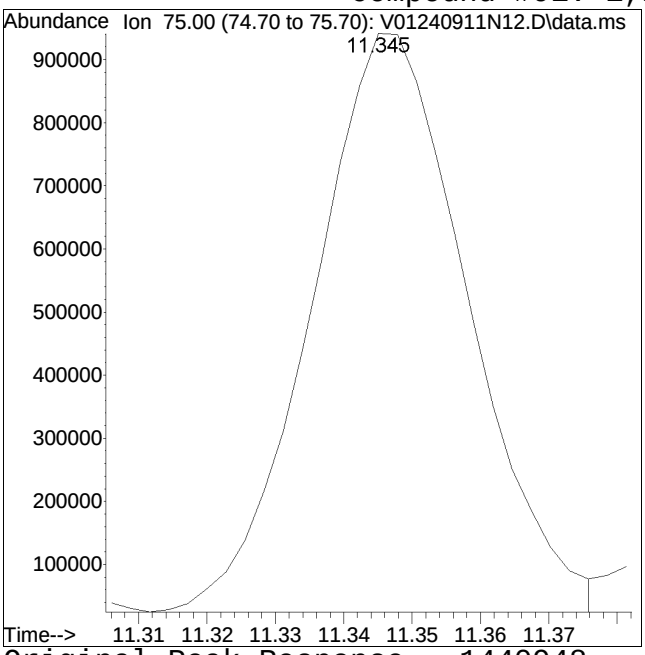
Manual Peak Response = 7304302 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

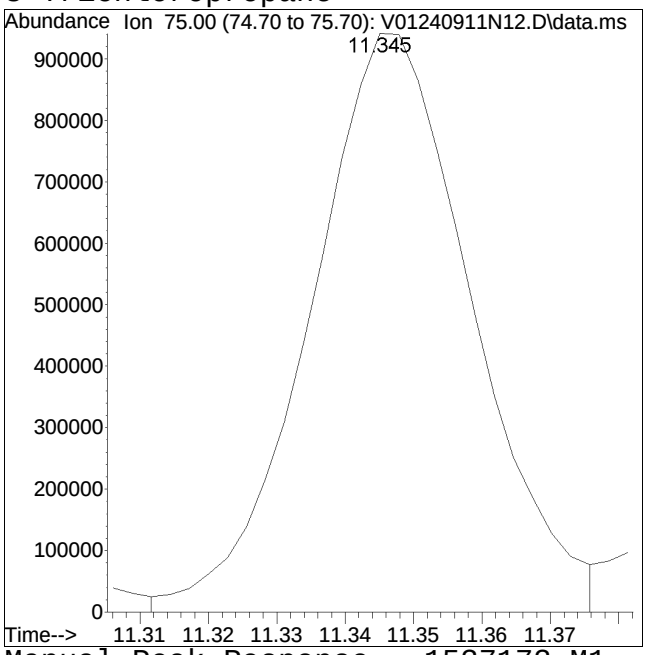
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N12.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 3:37 am Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 9/12/2024 12:25 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 1440948



Manual Peak Response = 1537173 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N17.D
Acq On : 12 Sep 2024 5:47 am
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG1970861,ICAL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 12 12:38:32 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TP	Dichlorodifluoromethane	0.269	0.238	11.5	95	0.00
3	TP	Chloromethane	0.271	0.284	-4.8	120	0.00
4	TP	Vinyl chloride	0.355	0.352	0.8	106	0.00
5	TP	Bromomethane	0.268	0.275	-2.6	123	0.00
6	TP	Chloroethane	* 10.000	9.926	0.7	98	0.00
7	TP	Trichlorofluoromethane	0.815	0.796	2.3	101	0.00
8	TP	Ethyl ether	0.210	0.205	2.4	99	0.00
10	TP	1,1-Dichloroethene	0.219	0.388	-77.2#	182	0.00
11	TP	Carbon disulfide	0.672	0.818	-21.7#	144	0.00
12	TP	Freon-113	0.237	0.317	-33.8#	153	0.00
13	TP	Iodomethane	0.320	0.236	26.3#	86	0.00
14	TP	Acrolein	0.020	0.014	30.0#	82	0.00
15	TP	Methylene chloride	0.242	0.218	9.9	101	0.00
17	TP	Acetone	* 10.000	9.289	7.1	91	0.00
18	TP	trans-1,2-Dichloroethene	0.239	0.218	8.8	101	0.00
19	TP	Methyl acetate	0.098	0.088	10.2	103	0.00
20	TP	Methyl tert-butyl ether	0.551	0.452	18.0	89	0.00
21	TP	tert-Butyl alcohol	0.011	0.010	9.1	106	0.00
22	TP	Diisopropyl ether	0.717	0.666	7.1	99	0.00
23	TP	1,1-Dichloroethane	0.434	0.404	6.9	99	0.00
24	TP	Halothane	0.181	0.156	13.8	93	0.00
25	TP	Acrylonitrile	0.046	0.041	10.9	98	0.00
26	TP	Ethyl tert-butyl ether	0.609	0.557	8.5	99	0.00
27	TP	Vinyl acetate	0.330	0.330	0.0	110	0.00
28	TP	cis-1,2-Dichloroethene	0.267	0.242	9.4	96	0.00
29	TP	2,2-Dichloropropane	0.333	0.278	16.5	90	0.00
30	TP	Bromochloromethane	0.121	0.108	10.7	94	0.00
31	TP	Cyclohexane	0.402	0.336	16.4	94	0.00
32	TP	Chloroform	0.445	0.425	4.5	100	0.00
33	TP	Ethyl acetate	0.138	0.138	0.0	111	0.00
34	TP	Carbon tetrachloride	0.355	0.324	8.7	103	0.00
35	TP	Tetrahydrofuran	0.042	0.041	2.4	96	0.00
36	S	Dibromofluoromethane	0.262	0.253	3.4	98	0.00
37	TP	1,1,1-Trichloroethane	0.398	0.381	4.3	103	0.00
39	TP	2-Butanone	0.057	0.049	14.0	97	0.00
40	TP	1,1-Dichloropropene	0.337	0.327	3.0	103	0.00
41	TP	Benzene	0.970	0.909	6.3	99	0.00
42	TP	tert-Amyl methyl ether	0.539	0.498	7.6	99	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N17.D
Acq On : 12 Sep 2024 5:47 am
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG1970861,ICAL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 12 12:38:32 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.301	0.294	2.3	101	0.00
44	TP	1,2-Dichloroethane	0.290	0.284	2.1	100	0.00
47	TP	Methyl cyclohexane	0.428	0.349	18.5	97	0.00
48	TP	Trichloroethene	0.274	0.258	5.8	101	0.00
50	TP	Dibromomethane	0.133	0.126	5.3	99	0.00
51	TP	1,2-Dichloropropane	0.237	0.227	4.2	98	0.00
53	TP	2-Chloroethyl vinyl ether	0.089	0.081	9.0	90	0.00
54	TP	Bromodichloromethane	0.323	0.293#	9.3	94	0.00
57	TP	1,4-Dioxane	0.00133	0.00123#	7.5	96	0.00
58	TP	cis-1,3-Dichloropropene	0.353	0.338	4.2	101	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
60	S	Toluene-d8	1.199	1.215	-1.3	99	0.00
61	TP	Toluene	0.801	0.764	4.6	103	0.00
62	TP	4-Methyl-2-pentanone	0.056	0.053	5.4	104	0.00
63	TP	Tetrachloroethene	0.324	0.318	1.9	105	0.00
65	TP	trans-1,3-Dichloropropene	0.359	0.353	1.7	101	0.00
67	TP	Ethyl methacrylate	0.278	0.258	7.2	102	0.00
68	TP	1,1,2-Trichloroethane	0.184	0.184#	0.0	100	0.00
69	TP	Chlorodibromomethane	0.266	0.259	2.6	100	0.00
70	TP	1,3-Dichloropropane	0.372	0.373	-0.3	99	0.00
71	TP	1,2-Dibromoethane	0.206	0.212	-2.9	103	0.00
72	TP	2-Hexanone	0.101	0.090	10.9	97	0.00
73	TP	Chlorobenzene	0.890	0.860	3.4	105	0.00
74	TP	Ethylbenzene	1.596	1.454	8.9	99	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.303	0.282	6.9	98	0.00
76	TP	p/m Xylene	0.653	0.567	13.2	99	0.00
77	TP	o Xylene	0.622	0.543	12.7	100	0.00
78	TP	Styrene	* 20.000	17.340	13.3	100	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
80	TP	Bromoform	* 10.000	8.886	11.1	108	0.00
82	TP	Isopropylbenzene	3.007	2.412	19.8	90	0.00
83	S	4-Bromofluorobenzene	0.848	0.862	-1.7	102	0.00
84	TP	Bromobenzene	0.666	0.616	7.5	100	0.00
85	TP	n-Propylbenzene	3.574	3.274	8.4	103	0.00
86	TP	1,4-Dichlorobutane	0.699	0.648	7.3	101	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.473	0.466	1.5	103	0.00
88	TP	4-Ethyltoluene	2.844	2.718	4.4	108	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N17.D
Acq On : 12 Sep 2024 5:47 am
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG1970861,ICAL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 12 12:38:32 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.990	1.832	7.9	100	0.00
90 TP	1,3,5-Trimethylbenzene	2.471	2.160	12.6	99	0.00
91 TP	1,2,3-Trichloropropane	0.408	0.368	9.8	102	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.128	0.117	8.6	95	0.00
93 TP	4-Chlorotoluene	1.996	1.905	4.6	102	0.00
94 TP	tert-Butylbenzene	2.044	1.879	8.1	103	0.00
97 TP	1,2,4-Trimethylbenzene	2.356	2.207	6.3	104	0.00
98 TP	sec-Butylbenzene	3.020	2.737	9.4	103	0.00
99 TP	p-Isopropyltoluene	2.479	2.257	9.0	104	0.00
100 TP	1,3-Dichlorobenzene	1.293	1.251	3.2	106	0.00
101 TP	1,4-Dichlorobenzene	1.317	1.254	4.8	106	0.00
102 TP	p-Diethylbenzene	1.355	1.237	8.7	104	0.00
103 TP	n-Butylbenzene	2.034	1.973	3.0	107	0.00
104 TP	1,2-Dichlorobenzene	1.133	1.129	0.4	108	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.801	1.708	5.2	109	0.00
106 TP	1,2-Dibromo-3-chloropropane *	10.000	9.807	1.9	122	0.00
107 TP	1,3,5-Trichlorobenzene	0.638	0.600	6.0	103	0.00
108 TP	Hexachlorobutadiene	0.212	0.222	-4.7	123	0.00
109 TP	1,2,4-Trichlorobenzene	0.502	0.506	-0.8	109	0.00
110 TP	Naphthalene	1.034	1.048	-1.4	112	0.00
111 TP	1,2,3-Trichlorobenzene	0.385	0.395#	-2.6	111	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N17.D
Acq On : 12 Sep 2024 5:47 am
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG1970861,ICAL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 12 12:38:32 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.941	96	290859	10.000	ug/L	0.00
Standard Area 1 = 290042			Recovery = 100.28%			
59) Chlorobenzene-d5	9.454	117	232367	10.000	ug/L	0.00
Standard Area 1 = 228912			Recovery = 101.51%			
79) 1,4-Dichlorobenzene-d4	12.176	152	123170	10.000	ug/L	0.00
Standard Area 1 = 118116			Recovery = 104.28%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.135	113	73570	9.644	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.44%			
43) 1,2-Dichloroethane-d4	5.659	65	85632	9.770	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.70%			
60) Toluene-d8	7.617	98	282411	10.134	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.34%			
83) 4-Bromofluorobenzene	10.963	95	106184	10.165	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.65%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.638	85	69110	8.841	ug/L	99
3) Chloromethane	1.827	50	82617	10.474	ug/L	98
4) Vinyl chloride	1.897	62	102245	9.903	ug/L	91
5) Bromomethane	2.193	94	79978	10.266	ug/L	96
6) Chloroethane	2.304	64	101874	9.926	ug/L	100
7) Trichlorofluoromethane	2.441	101	231473	9.764	ug/L	98
8) Ethyl ether	2.742	74	59743	9.760	ug/L	95
10) 1,1-Dichloroethene	2.921	96	112871	17.739	ug/L	93
11) Carbon disulfide	2.949	76	237919	12.175	ug/L	100
12) Freon-113	2.954	101	92172	13.393	ug/L	93
13) Iodomethane	3.057	142	68688	7.389	ug/L #	93
14) Acrolein	3.241	56	4137	7.206	ug/L	92
15) Methylene chloride	3.464	84	63550	9.012	ug/L	99
17) Acetone	3.517	43	11549	9.289	ug/L #	62
18) trans-1,2-Dichloroethene	3.615	96	63277	9.103	ug/L	95
19) Methyl acetate	3.626	43	25509	8.971	ug/L #	87
20) Methyl tert-butyl ether	3.721	73	131422	8.204	ug/L	97
21) tert-Butyl alcohol	3.824	59	14777M3	47.793	ug/L	
22) Diisopropyl ether	4.067	45	193781	9.287	ug/L	97
23) 1,1-Dichloroethane	4.192	63	117383	9.295	ug/L	98
24) Halothane	4.240	117	45274	8.621	ug/L	99

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N17.D
Acq On : 12 Sep 2024 5:47 am
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG1970861,ICAL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 12 12:38:32 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.240	53	12010	8.896	ug/L		90
26) Ethyl tert-butyl ether	4.407	59	162012	9.142	ug/L		93
27) Vinyl acetate	4.421	43	95966	9.992	ug/L		97
28) cis-1,2-Dichloroethene	4.700	96	70494	9.075	ug/L		94
29) 2,2-Dichloropropane	4.800	77	80988	8.363	ug/L		95
30) Bromochloromethane	4.892	128	31548	8.982	ug/L		96
31) Cyclohexane	4.889	56	97623	8.344	ug/L		91
32) Chloroform	4.959	83	123494	9.546	ug/L		99
33) Ethyl acetate	5.073	43	40138	10.018	ug/L		99
34) Carbon tetrachloride	5.096	117	94360	9.131	ug/L	#	94
35) Tetrahydrofuran	5.121	42	12017	9.804	ug/L		92
37) 1,1,1-Trichloroethane	5.157	97	110846	9.581	ug/L		98
39) 2-Butanone	5.263	43	14343	8.623	ug/L		99
40) 1,1-Dichloropropene	5.277	75	95169	9.700	ug/L	#	87
41) Benzene	5.522	78	264469	9.374	ug/L		99
42) tert-Amyl methyl ether	5.631	73	144978	9.240	ug/L		97
44) 1,2-Dichloroethane	5.726	62	82551	9.775	ug/L		99
47) Methyl cyclohexane	6.105	83	101642	8.159	ug/L		95
48) Trichloroethene	6.119	95	75025	9.417	ug/L		99
50) Dibromomethane	6.554	93	36643	9.453	ug/L		94
51) 1,2-Dichloropropane	6.655	63	65911	9.574	ug/L		98
53) 2-Chloroethyl vinyl ether	7.343	63	23572	9.080	ug/L		99
54) Bromodichloromethane	6.730	83	85100	9.066	ug/L		99
57) 1,4-Dioxane	6.945	88	17867M1	461.027	ug/L		
58) cis-1,3-Dichloropropene	7.416	75	98177	9.559	ug/L		96
61) Toluene	7.672	92	177591	9.542	ug/L		99
62) 4-Methyl-2-pentanone	8.110	58	12328	9.417	ug/L		91
63) Tetrachloroethene	8.124	166	73890	9.817	ug/L		95
65) trans-1,3-Dichloropropene	8.160	75	81959	9.812	ug/L		96
67) Ethyl methacrylate	8.347	69	59982	9.280	ug/L		97
68) 1,1,2-Trichloroethane	8.342	83	42772	9.979	ug/L		99
69) Chlorodibromomethane	8.559	129	60080	9.729	ug/L		97
70) 1,3-Dichloropropane	8.660	76	86635	10.012	ug/L		99
71) 1,2-Dibromoethane	8.835	107	49257	10.283	ug/L		99
72) 2-Hexanone	9.128	43	21002	8.931	ug/L	#	87
73) Chlorobenzene	9.477	112	199896	9.667	ug/L		97
74) Ethylbenzene	9.516	91	337762	9.106	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.560	131	65639	9.311	ug/L		99
76) p/m Xylene	9.703	106	263345	17.365	ug/L		98
77) o Xylene	10.244	106	252539	17.480	ug/L		98

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N17.D
Acq On : 12 Sep 2024 5:47 am
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG1970861,ICAL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 12 12:38:32 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\240911NICAL\V01240911N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.311	104	404325	17.340	ug/L		99
80) Bromoform	10.341	173	32381	8.886	ug/L		99
82) Isopropylbenzene	10.634	105	297082	8.022	ug/L		99
84) Bromobenzene	11.072	156	75929	9.249	ug/L		100
85) n-Propylbenzene	11.116	91	403202	9.160	ug/L		98
86) 1,4-Dichlorobutane	11.136	55	79848	9.278	ug/L		95
87) 1,1,2,2-Tetrachloroethane	11.208	83	57388	9.857	ug/L		100
88) 4-Ethyltoluene	11.245	105	334772	9.556	ug/L		99
89) 2-Chlorotoluene	11.284	91	225610M6	9.202	ug/L		
90) 1,3,5-Trimethylbenzene	11.342	105	266072	8.743	ug/L		98
91) 1,2,3-Trichloropropane	11.342	75	45380M1	9.037	ug/L		
92) trans-1,4-Dichloro-2-b...	11.401	53	14371	9.099	ug/L	#	74
93) 4-Chlorotoluene	11.471	91	234622	9.542	ug/L		99
94) tert-Butylbenzene	11.683	119	231422	9.191	ug/L		99
97) 1,2,4-Trimethylbenzene	11.763	105	271775	9.367	ug/L		96
98) sec-Butylbenzene	11.875	105	337119	9.063	ug/L		98
99) p-Isopropyltoluene	12.031	119	277945	9.104	ug/L		100
100) 1,3-Dichlorobenzene	12.098	146	154115	9.678	ug/L		99
101) 1,4-Dichlorobenzene	12.193	146	154488	9.524	ug/L		99
102) p-Diethylbenzene	12.405	119	152316	9.124	ug/L		98
103) n-Butylbenzene	12.463	91	243011	9.700	ug/L		97
104) 1,2-Dichlorobenzene	12.617	146	139117	9.971	ug/L		97
105) 1,2,4,5-Tetramethylben...	13.200	119	210343	9.481	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.395	155	6659	9.807	ug/L		100
107) 1,3,5-Trichlorobenzene	13.431	180	73920	9.409	ug/L		97
108) Hexachlorobutadiene	14.005	225	27398	10.509	ug/L		99
109) 1,2,4-Trichlorobenzene	14.031	180	62281	10.065	ug/L		98
110) Naphthalene	14.321	128	129112	10.140	ug/L		100
111) 1,2,3-Trichlorobenzene	14.488	180	48713	10.286	ug/L		98

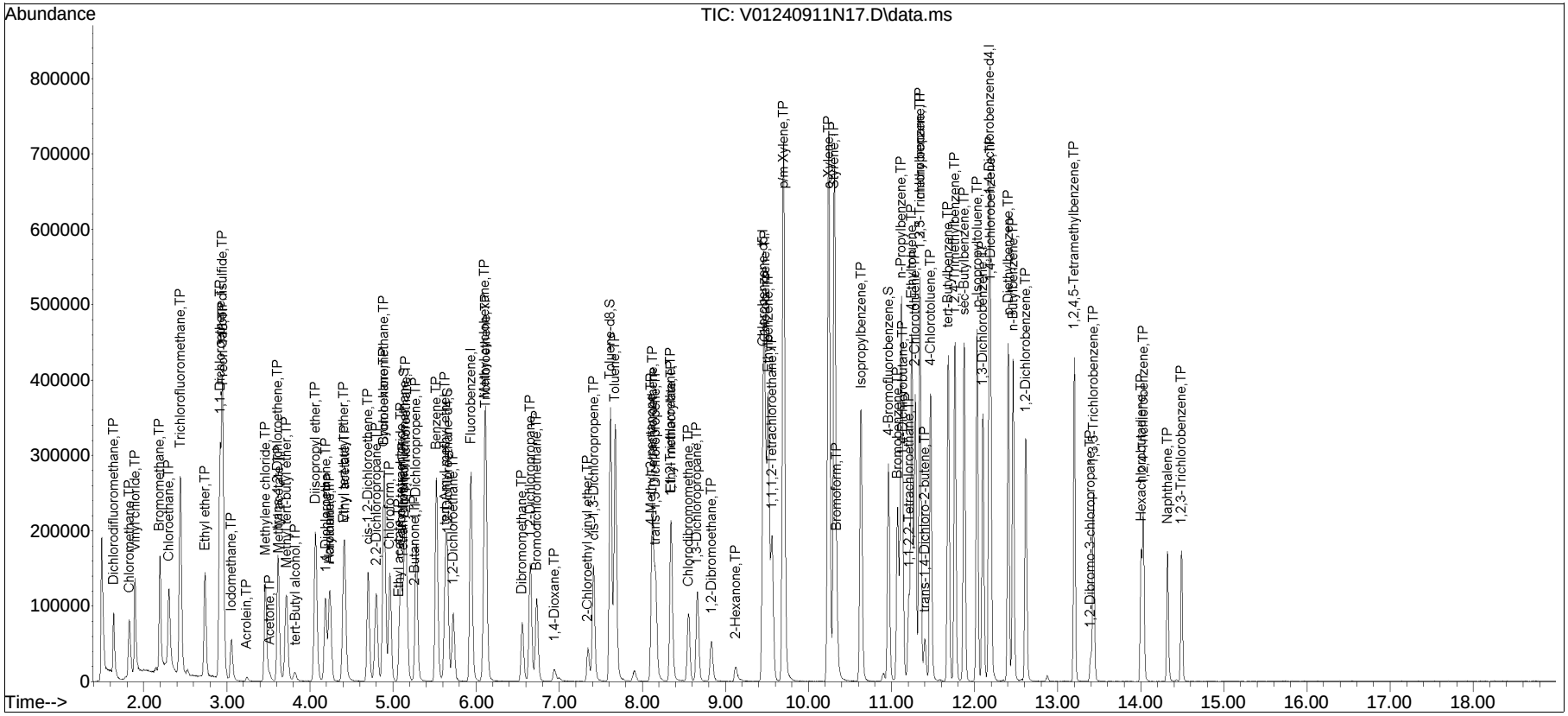
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\240911NICAL\
Data File : V01240911N17.D
Acq On : 12 Sep 2024 5:47 am
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG1970861,ICAL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 12 12:38:32 2024
Quant Method : K:\VOA101\2024\240911NICAL\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V01240911N08.D•

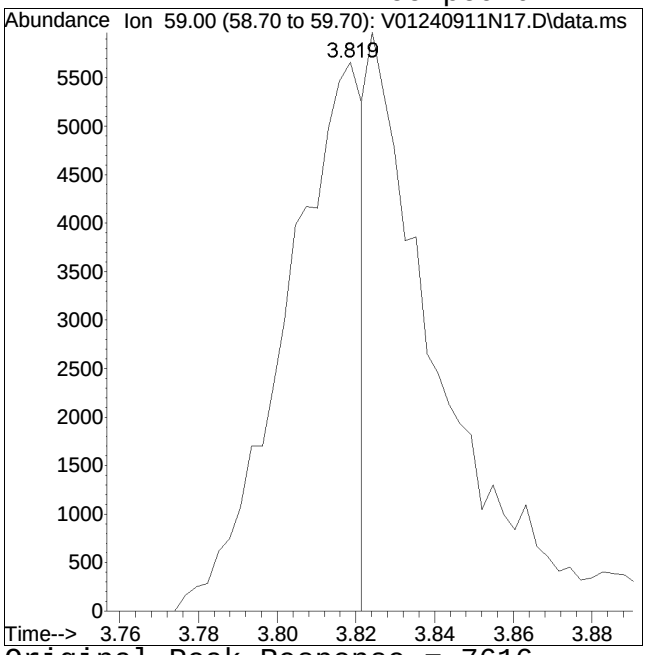


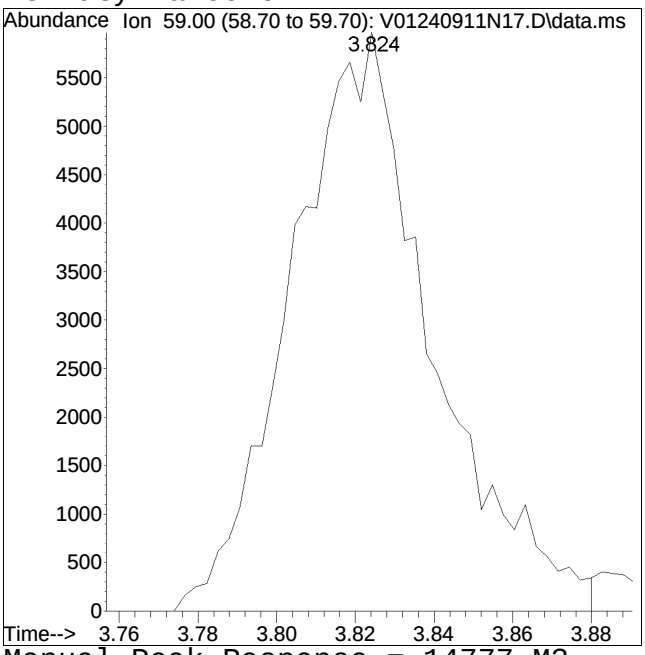
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N17.D
Date Inj'd : 9/12/2024 5:47 am
Sample : C8260STD10PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:36 pm

Compound #21: tert-Butyl alcohol





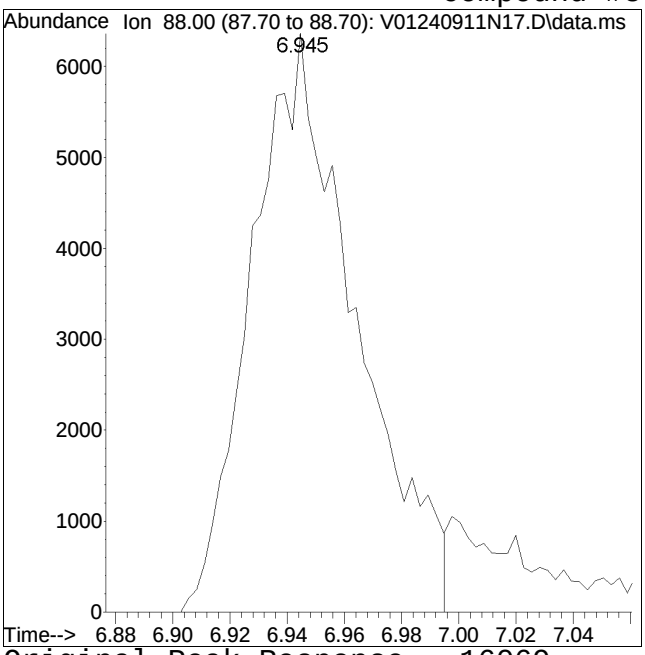
Original Peak Response = 7616 Manual Peak Response = 14777 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

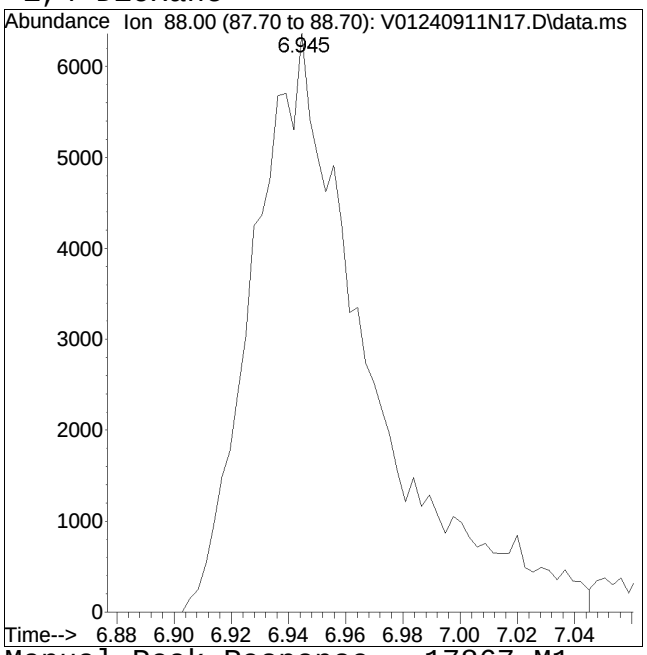
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N17.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 5:47 am Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 9/12/2024 12:36 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 16069



Manual Peak Response = 17867 M1

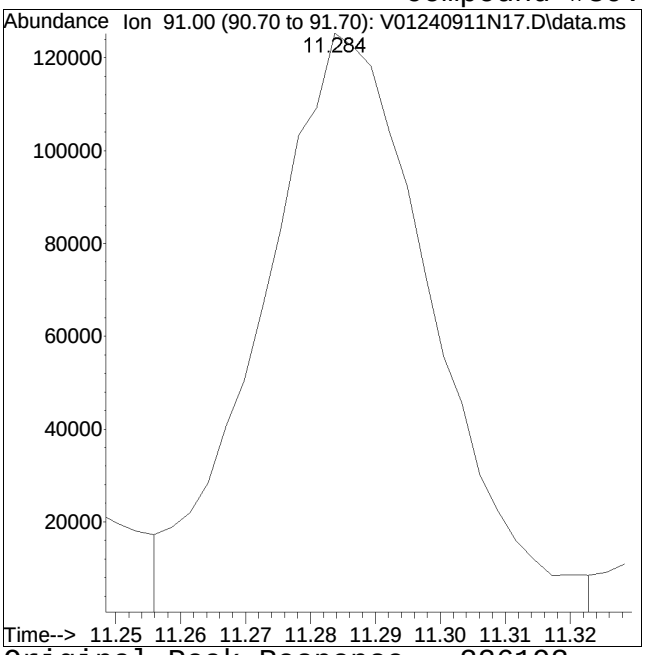
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

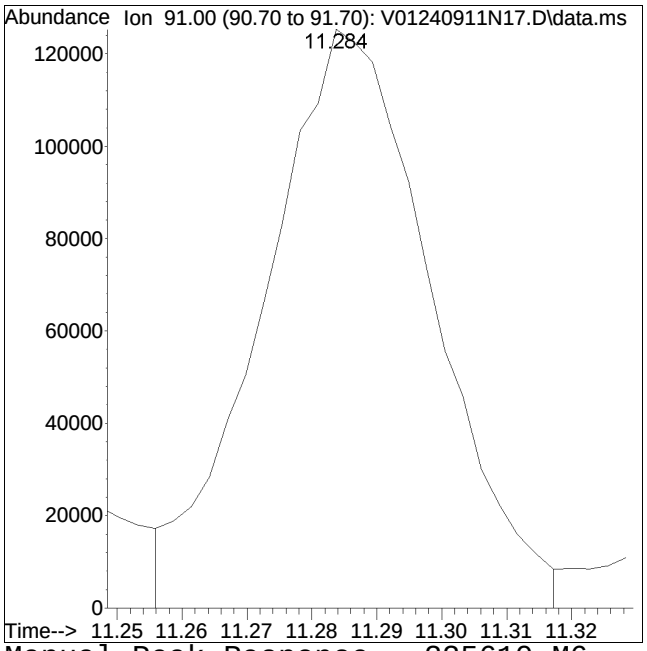
Data Path : K:\VOA101\2024\240911NICALQ
Data File : V01240911N17.D
Date Inj'd : 9/12/2024 5:47 am
Sample : C8260STD10PPB

Method : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 9/12/2024 12:36 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 226193



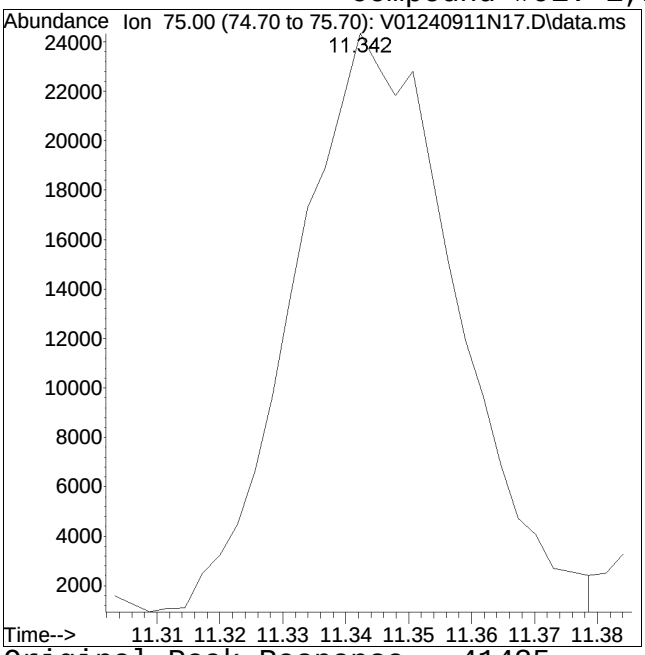
Manual Peak Response = 225610 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

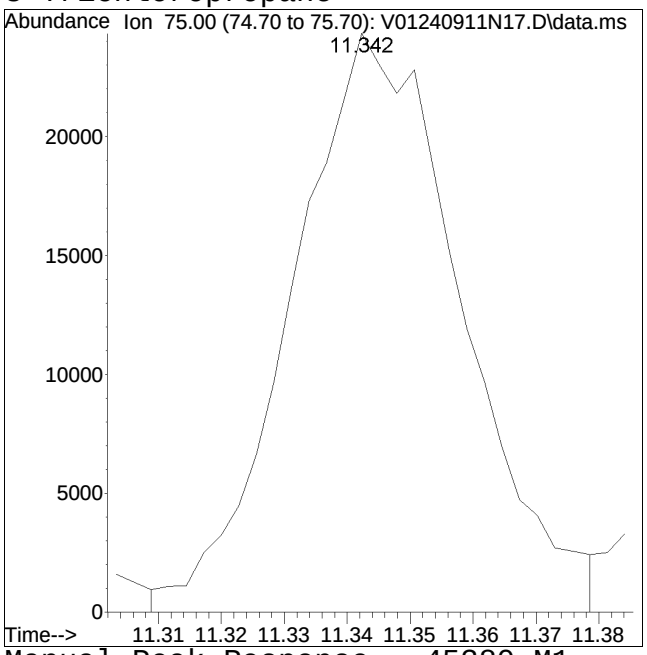
Manual Integration Report

Data Path : K:\VOA101\2024\240911NICALQMethod : V101_240911N_8260.m
Data File : V01240911N17.D Operator : VOA101:PID
Date Inj'd : 9/12/2024 5:47 am Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 9/12/2024 12:36 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 41435



Manual Peak Response = 45380 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Relative Error Report VOA 101

Method Path : K:\VOA101\2024\240911NICAL\
Method File : V101_240911N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Sep 12 12:36:16 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
6	TP Chloroethane	L	ug/L	10.0	10.142	1.4	0.50	0.352	-29.6
17	TP Acetone	L	ug/L	10.0	10.382	3.8	2.00	1.923	-3.8
78	TP Styrene	Q	ug/L	20.0	17.615	-11.9	1.00	1.159	15.9
80	TP Bromoform	Q	ug/L	10.0	8.585	-14.1	0.50	0.604	20.8
106	TP 1,2-Dibromo-3-chloropropane	L	ug/L	10.0	8.478	-15.2	0.50	0.611	22.2

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
6	TP Chloroethane	Linear	0.997331	0.000000	0.336225	0.0165047
17	TP Acetone	Linear	0.999721	0.000000	0.0367938	0.00552883
78	TP Styrene	Quadratic	0.998970	0.007178	1.02541	-0.0596493
80	TP Bromoform	Quadratic	0.999337	0.003965	0.303016	-0.00948214
106	TP 1,2-Dibromo-3-chloropropane	Linear	0.998293	0.000000	0.0583445	-0.00315543

Response Factor Report Elaine

Method Path : K:\Elaine\2024\241115AICAL\
Method File : Elaine_241115A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Nov 15 11:49:20 2024
Response Via : Initial Calibration

Calibration Files
L11 =VE241115A03.D L1 =VE241115A05.D L2 =VE241115A07.D L3 =VE241115A09.D L4 =VE241115A10.D
L6 =VE241115A11.D L8 =VE241115A12.D L10 =VE241115A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------							
2)	TP	Dichlorodifluo...		0.150	0.216	0.248	0.243	0.242	0.232	0.232	0.223	15.17
3)	TP	Chloromethane		0.217	0.231	0.234	0.227	0.219	0.211	0.206	0.221	4.71
4)	TP	Vinyl chloride	0.167	0.205	0.243	0.259	0.261	0.252	0.245	0.249	0.235	13.82
5)	TP	Bromomethane		0.175	0.183	0.165	0.156	0.159	0.158	0.160	0.165	6.07
6)	TP	Chloroethane		0.126	0.175	0.182	0.178	0.179	0.175	0.177	0.170	11.66
7)	TP	Trichlorofluor...		0.229	0.339	0.381	0.366	0.373	0.358	0.357	0.343	15.19
8)	TP	Ethyl ether		0.090	0.099	0.107	0.112	0.111	0.111	0.112	0.106	7.88
10)	TP	1,1-Dichloroet...		0.144	0.170	0.180	0.185	0.183	0.181	0.180	0.175	8.12
11)	TP	Carbon disulfide		0.415	0.516	0.559	0.550	0.551	0.542	0.541	0.525	9.58
12)	TP	Freon-113		0.134	0.191	0.204	0.195	0.192	0.188	0.187	0.184	12.33
13)	TP	Iodomethane		0.156	0.130	0.146	0.160	0.178	0.175	0.177	0.160	11.19
14)	TP	Acrolein			0.021	0.022	0.021	0.021	0.022	0.022	0.021	3.08
15)	TP	Methylene chlo...		0.216	0.230	0.221	0.218	0.215	0.214	0.213	0.218	2.75
17)	TP	Acetone		0.058	0.049	0.041	0.036	0.039	0.039	0.039	0.043	17.71
18)	TP	trans-1,2-Dich...		0.162	0.190	0.206	0.206	0.202	0.199	0.197	0.195	8.00
19)	TP	Methyl acetate		0.100	0.099	0.095	0.095	0.094	0.094	0.094	0.096	2.74
21)	TP	Methyl tert-bu...		0.438	0.498	0.532	0.543	0.548	0.539	0.544	0.520	7.72
22)	TP	tert-Butyl alc...		0.010	0.013	0.014	0.013	0.014	0.014	0.014	0.013	11.92
24)	TP	Diisopropyl ether		0.563	0.632	0.667	0.663	0.681	0.677	0.687	0.653	6.68
25)	TP	1,1-Dichloroet...		0.329	0.390	0.406	0.400	0.404	0.395	0.399	0.389	6.92
26)	TP	Halothane		0.124	0.146	0.158	0.157	0.158	0.154	0.155	0.150	8.24
27)	TP	Acrylonitrile			0.054	0.054	0.052	0.052	0.051	0.053	0.053	1.69
28)	TP	Ethyl tert-but...		0.610	0.653	0.683	0.697	0.709	0.712	0.723	0.684	5.81
29)	TP	Vinyl acetate		0.393	0.403	0.450	0.468	0.478	0.480	0.492	0.452	8.67
30)	TP	cis-1,2-Dichlo...		0.178	0.226	0.232	0.232	0.229	0.226	0.233	0.222	8.84
31)	TP	2,2-Dichloropr...		0.253	0.298	0.325	0.327	0.321	0.314	0.311	0.307	8.37
33)	TP	Bromochloromet...		0.101	0.103	0.107	0.102	0.102	0.097	0.097	0.101	3.52
34)	TP	Cyclohexane		0.319	0.387	0.428	0.417	0.413	0.402	0.402	0.395	9.15
35)	TP	Chloroform		0.354	0.368	0.359	0.373	0.369	0.374	0.359	0.365	2.16
36)	TP	Ethyl acetate			0.143	0.158	0.155	0.150	0.154	0.154	0.152	3.47

Response Factor Report Elaine

Method Path : K:\Elaine\2024\241115AICAL\
Method File : Elaine_241115A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Nov 15 11:49:20 2024
Response Via : Initial Calibration

Calibration Files
L11 =VE241115A03.D L1 =VE241115A05.D L2 =VE241115A07.D L3 =VE241115A09.D L4 =VE241115A10.D
L6 =VE241115A11.D L8 =VE241115A12.D L10 =VE241115A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
37)	TP	Carbon tetrach...	0.242	0.202	0.250	0.282	0.285	0.290	0.280	0.288	0.265	11.77
38)	TP	Tetrahydrofuran			0.043	0.042	0.043	0.042	0.043	0.041	0.042	1.83
39)	S	Dibromofluorom...	0.240	0.230	0.233	0.236	0.225	0.228	0.222	0.220	0.229	2.94
40)	TP	1,1,1-Trichlor...		0.262	0.314	0.346	0.339	0.336	0.329	0.330	0.322	8.75
42)	TP	2-Butanone			0.066	0.054	0.057	0.062	0.064	0.063	0.061	7.35
43)	TP	1,1-Dichloropr...		0.244	0.274	0.300	0.291	0.294	0.285	0.288	0.282	6.60
45)	TP	Benzene	0.900	0.753	0.888	0.917	0.922	0.923	0.906	0.904	0.889	6.32
46)	TP	tert-Amyl meth...		0.498	0.546	0.573	0.584	0.597	0.602	0.607	0.572	6.81
47)	S	1,2-Dichloroet...	0.275	0.276	0.276	0.271	0.265	0.269	0.266	0.272	0.271	1.61
48)	T	1,2-Dichloroet...		0.278	0.284	0.284	0.289	0.283	0.280	0.281	0.283	1.29
51)	TP	Methyl cyclohe...		0.300	0.386	0.416	0.424	0.421	0.410	0.416	0.396	11.09
52)	TP	Trichloroethene	0.190	0.168	0.219	0.225	0.224	0.222	0.218	0.221	0.211	9.71
54)	TP	Dibromomethane		0.096	0.124	0.125	0.124	0.125	0.125	0.125	0.121	9.00
55)	TP	1,2-Dichloropr...		0.185	0.228	0.233	0.237	0.235	0.232	0.230	0.226	8.02
57)	TP	2-Chloroethyl ...		0.099	0.133	0.136	0.141	0.142	0.140	0.140	0.133	11.55
58)	TP	Bromodichlorom...		0.242	0.282	0.306	0.302	0.309	0.305	0.306	0.293#	8.32
61)	TP	1,4-Dioxane		0.001	0.001	0.002	0.002	0.001	0.002	0.001	0.001#	8.59
62)	TP	cis-1,3-Dichlo...	0.278	0.286	0.327	0.356	0.364	0.369	0.365	0.363	0.338	11.01
63)	I	Chlorobenzene-d5	----------ISTD----------									
64)	S	Toluene-d8	1.361	1.371	1.369	1.378	1.371	1.359	1.339	1.362	1.364	0.86
65)	TP	Toluene		0.692	0.795	0.821	0.802	0.803	0.787	0.802	0.786	5.43
66)	TP	4-Methyl-2-pen...		0.078	0.073	0.079	0.085	0.086	0.088	0.089	0.083	7.26
67)	TP	Tetrachloroethene		0.262	0.318	0.340	0.329	0.325	0.316	0.321	0.316	7.90
69)	TP	trans-1,3-Dich...	0.263	0.304	0.384	0.417	0.434	0.435	0.437	0.439	0.389	17.55
71)	TP	Ethyl methacry...		0.242	0.277	0.306	0.312	0.310	0.312	0.318	0.297	9.33
72)	TP	1,1,2-Trichlor...		0.191	0.207	0.212	0.211	0.208	0.207	0.211	0.207	3.48
73)	TP	Chlorodibromom...		0.212	0.250	0.277	0.291	0.302	0.302	0.305	0.277	12.44
74)	TP	1,3-Dichloropr...		0.391	0.421	0.437	0.436	0.437	0.431	0.432	0.426	3.86
75)	TP	1,2-Dibromoethane		0.225	0.246	0.248	0.248	0.247	0.249	0.250	0.245	3.58
77)	TP	2-Hexanone		0.124	0.121	0.132	0.136	0.137	0.138	0.140	0.133	5.62
78)	TP	Chlorobenzene		0.766	0.844	0.862	0.856	0.849	0.834	0.837	0.835	3.87

Method Path : K:\Elaine\2024\241115AICAL\
Method File : Elaine_241115A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Nov 15 11:49:20 2024
Response Via : Initial Calibration

Calibration Files
L11 =VE241115A03.D L1 =VE241115A05.D L2 =VE241115A07.D L3 =VE241115A09.D L4 =VE241115A10.D
L6 =VE241115A11.D L8 =VE241115A12.D L10 =VE241115A13.D

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
79)	TP	Ethylbenzene		1.264	1.483	1.576	1.562	1.562	1.528	1.535	1.502	7.27	
80)	TP	1,1,1,2-Tetrac...		0.213	0.269	0.290	0.293	0.296	0.290	0.291	0.277	10.74	
81)	TP	p/m Xylene		0.462	0.570	0.599	0.596	0.599	0.596	0.625	0.578	9.27	
82)	TP	o Xylene		0.454	0.548	0.582	0.575	0.585	0.591	0.609	0.564	9.19	
83)	TP	Styrene		0.786	0.903	0.956	0.973	1.006	1.008	1.030	0.952	8.85	
84)	I	1,4-Dichlorobenzene-d4		----------ISTD----------									
85)	TP	Bromoform		0.193	0.255	0.292	0.312	0.336	0.344	0.337	0.296	18.61	
87)	TP	Isopropylbenzene		2.460	2.964	3.019	3.035	3.090	3.098	3.012	2.954	7.53	
88)	S	4-Bromofluorob...	0.926	0.931	0.925	0.912	0.906	0.909	0.933	0.907	0.919	1.23	
89)	TP	Bromobenzene		0.589	0.650	0.686	0.671	0.684	0.685	0.650	0.659	5.25	
90)	TP	n-Propylbenzene		2.800	3.311	3.446	3.464	3.520	3.517	3.395	3.351	7.56	
91)	TP	1,4-Dichlorobu...		0.707	0.796	0.805	0.787	0.804	0.818	0.776	0.785	4.70	
92)	TP	1,1,2,2-Tetrac...		0.553	0.577	0.569	0.579	0.576	0.586	0.553	0.570	2.25	
93)	TP	4-Ethyltoluene		2.443	2.795	2.894	2.863	2.868	2.849	2.750	2.780	5.63	
94)	TP	2-Chlorotoluene		1.679	2.053	1.999	1.987	1.963	1.998	1.944	1.946	6.31	
95)	TP	1,3,5-Trimethy...		2.131	2.501	2.530	2.521	2.533	2.524	2.481	2.460	5.94	
96)	TP	1,2,3-Trichlor...		0.433	0.485	0.448	0.443	0.443	0.461	0.439	0.450	3.93	
97)	TP	trans-1,4-Dich...		0.130	0.157	0.156	0.170	0.174	0.181	0.173	0.163	10.59	
98)	TP	4-Chlorotoluene		1.768	2.040	2.065	2.038	2.064	2.088	2.031	2.013	5.46	
99)	TP	tert-Butylbenzene		1.744	2.059	2.106	2.080	2.103	2.089	2.031	2.030	6.35	
102)	TP	1,2,4-Trimethy...		2.164	2.443	2.530	2.518	2.565	2.556	2.495	2.467	5.66	
103)	TP	sec-Butylbenzene		2.631	3.066	3.196	3.204	3.248	3.200	3.154	3.100	6.92	
104)	TP	p-Isopropyltol...		2.097	2.520	2.648	2.672	2.713	2.656	2.673	2.568	8.42	
105)	TP	1,3-Dichlorobe...		1.223	1.355	1.333	1.332	1.353	1.329	1.313	1.320	3.41	
106)	TP	1,4-Dichlorobe...		1.272	1.384	1.328	1.315	1.331	1.321	1.317	1.324	2.49	
107)	TP	p-Diethylbenzene		1.189	1.433	1.559	1.587	1.594	1.554	1.604	1.503	9.96	
108)	TP	n-Butylbenzene		1.847	2.213	2.309	2.337	2.350	2.282	2.342	2.240	8.02	
109)	TP	1,2-Dichlorobe...		1.221	1.290	1.245	1.266	1.262	1.252	1.254	1.256	1.67	
110)	TP	1,2,4,5-Tetram...		2.024	2.276	2.393	2.491	2.501	2.604	2.565	2.408	8.37	
111)	TP	1,2-Dibromo-3-...		0.054	0.063	0.073	0.081	0.083	0.091	0.088	0.076	18.03	
112)	TP	1,3,5-Trichlor...		0.781	0.888	0.912	0.935	0.915	0.939	0.901	0.896	5.97	

Method Path : K:\Elaine\2024\241115AICAL\
Method File : Elaine_241115A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Nov 15 11:49:20 2024
Response Via : Initial Calibration

Calibration Files
L11 =VE241115A03.D L1 =VE241115A05.D L2 =VE241115A07.D L3 =VE241115A09.D L4 =VE241115A10.D
L6 =VE241115A11.D L8 =VE241115A12.D L10 =VE241115A13.D

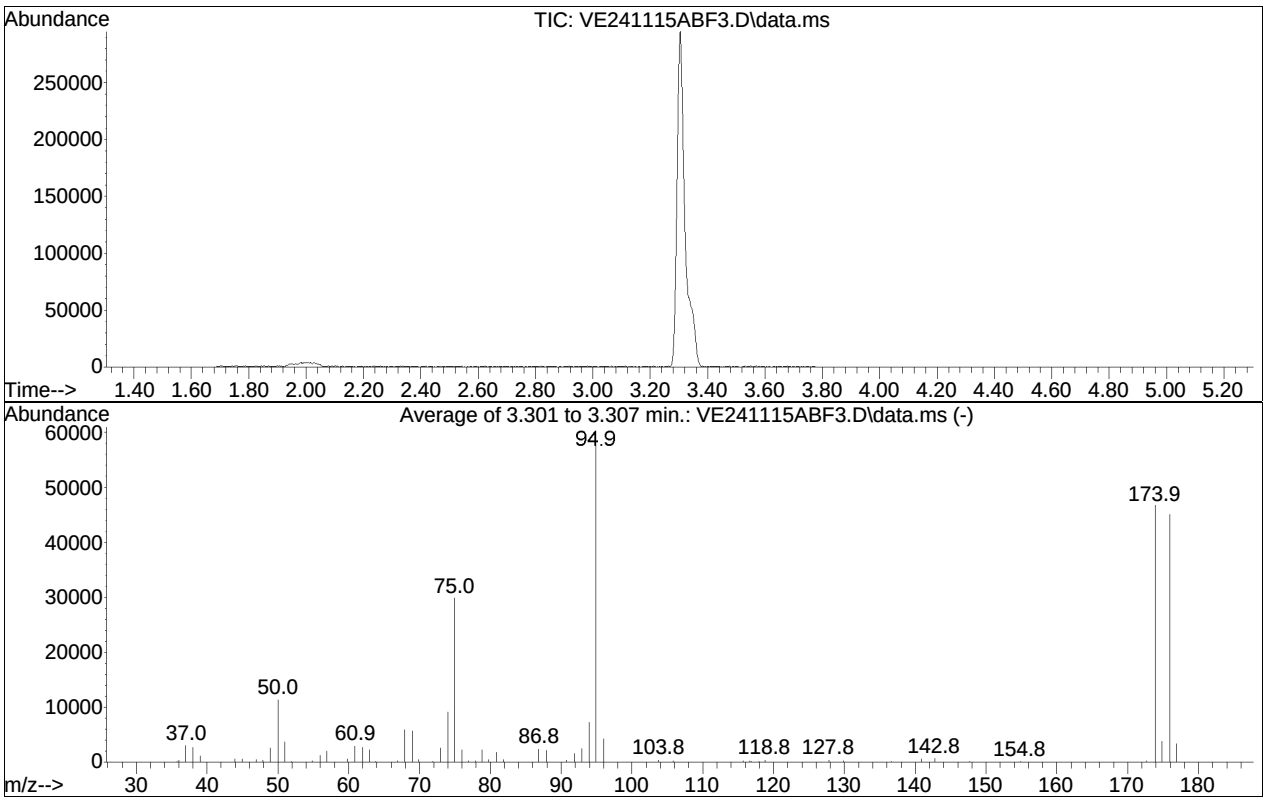
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
113)	TP Hexachlorobuta...	0.190	0.249	0.254	0.260	0.243	0.246	0.232	0.239		9.71
114)	TP 1,2,4-Trichlor...	0.716	0.792	0.793	0.800	0.809	0.800	0.765	0.782		4.09
115)	TP Naphthalene	1.572	1.696	1.819	1.882	1.965	2.008	1.916	1.837		8.44
116)	TP 1,2,3-Trichlor...	0.612	0.683	0.699	0.722	0.733	0.732	0.707	0.698		6.06

(#) = Out of Range

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115ABF3.D
Acq On : 15 Nov 2024 1:44 am
Operator : ELAINE:TMS
Sample : WG1998028-1
Misc : WG1998028
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Nov 15 11:49:20 2024



AutoFind: Scans 580, 581, 582; Background Corrected with Scan 566

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	11338	PASS
75	95	30	60	51.3	29848	PASS
95	95	100	100	100.0	58141	PASS
96	95	5	9	7.2	4192	PASS
173	174	0.00	2	0.4	209	PASS
174	95	50	100	80.3	46715	PASS
175	174	5	9	8.1	3791	PASS
176	174	95	101	96.6	45128	PASS
177	176	5	9	7.4	3344	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A03.D
Acq On : 15 Nov 2024 2:52 am
Operator : ELAINE:PID
Sample : I8260STD0.19PPB
Misc : WG1998028,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 11:45:03 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-L11_MCP - L11 MCP

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.939	96	258893	10.000 ug/L	0.00
Standard Area 1 = 258108			Recovery = 100.30%		
63) Chlorobenzene-d5	9.469	117	194016	10.000 ug/L	0.00
Standard Area 1 = 187202			Recovery = 103.64%		
84) 1,4-Dichlorobenzene-d4	12.185	152	99361	10.000 ug/L	0.00
Standard Area 1 = 99398			Recovery = 99.96%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.136	113	62008	10.446 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.46%		
47) 1,2-Dichloroethane-d4	5.657	65	71296	10.151 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.51%		
64) Toluene-d8	7.629	98	264145	9.983 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.83%		
88) 4-Bromofluorobenzene	10.970	95	92049	10.083 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.83%		
Target Compounds					Qvalue
4) Vinyl chloride	1.851	62	822	0.135 ug/L	86
37) Carbon tetrachloride	5.094	117	1189M3	0.173 ug/L	
45) Benzene	5.526	78	4429M3	0.192 ug/L	
52) Trichloroethene	6.109	95	936M1	0.171 ug/L	
62) cis-1,3-Dichloropropene	7.420	75	1369M1	0.156 ug/L	
69) trans-1,3-Dichloropropene	8.175	75	971M1	0.129 ug/L	

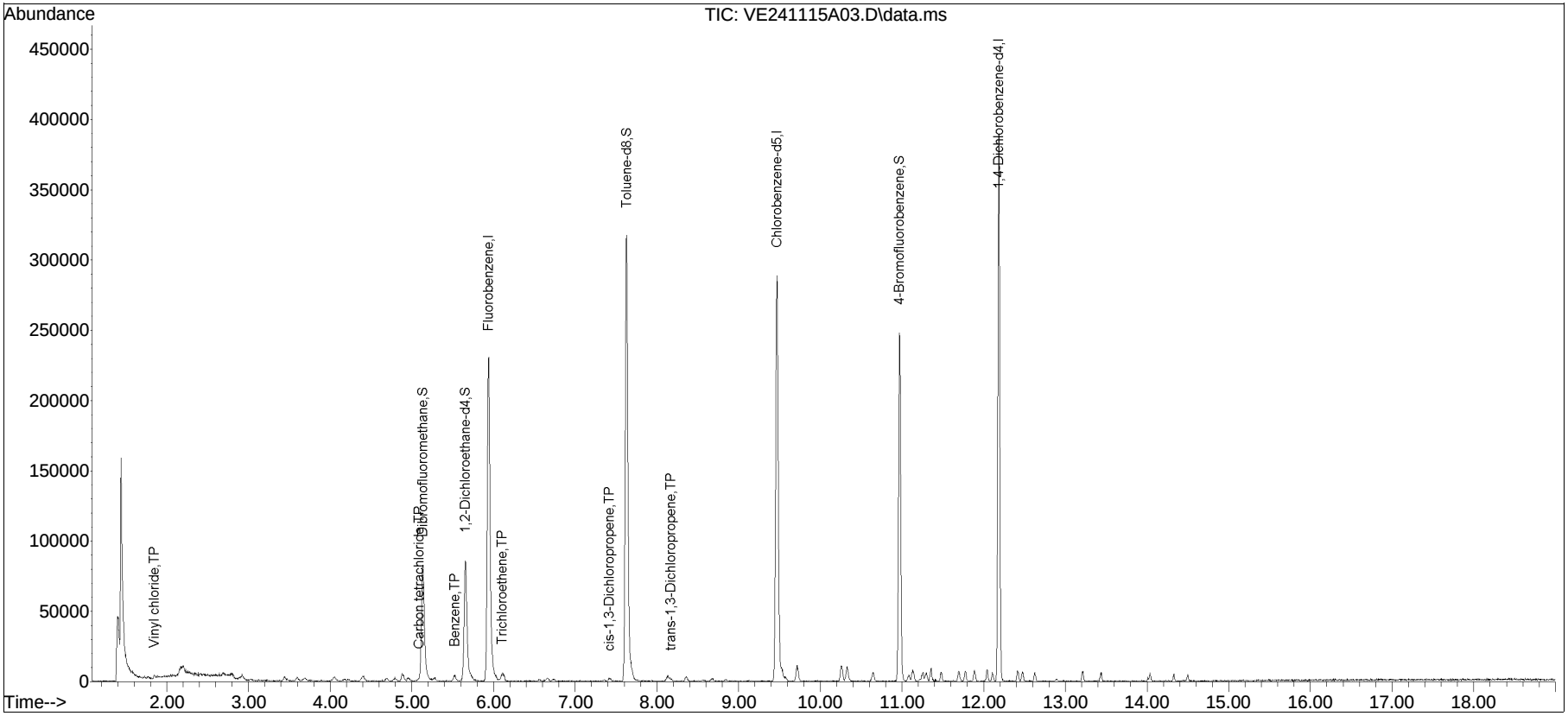
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A03.D
Acq On : 15 Nov 2024 2:52 am
Operator : ELAINE:PID
Sample : I8260STD0.19PPB
Misc : WG1998028,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 11:45:03 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

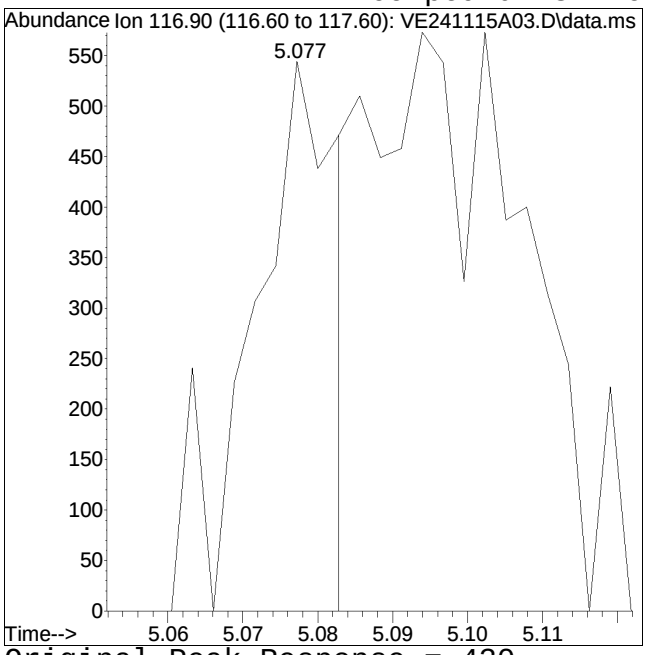
Sub List : 8260-L11_MCP - L11 MCP115AICAL\VE241115A09.D•

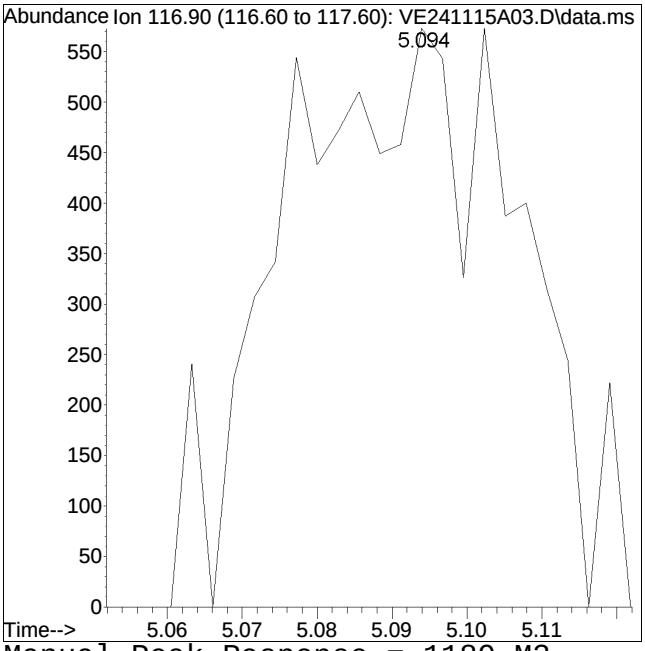


Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A03.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 2:52 am Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 11/15/2024 11:44 am

Compound #37: Carbon tetrachloride





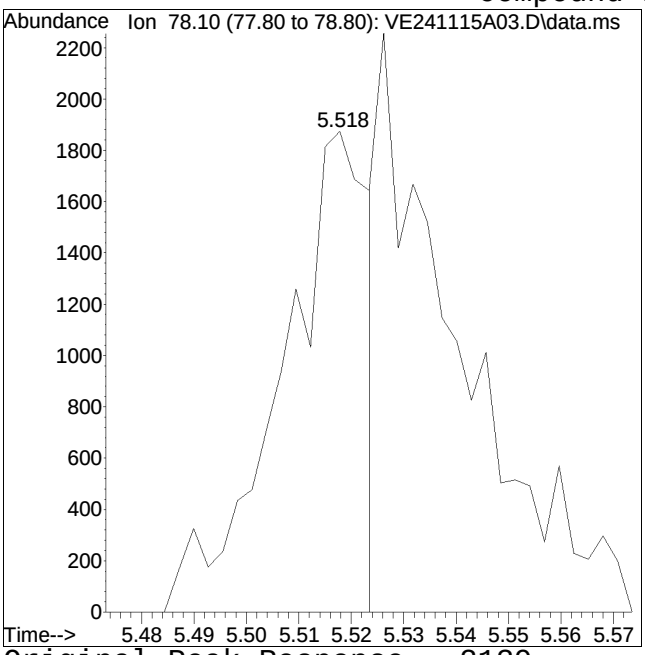
Original Peak Response = 430 Manual Peak Response = 1189 M3

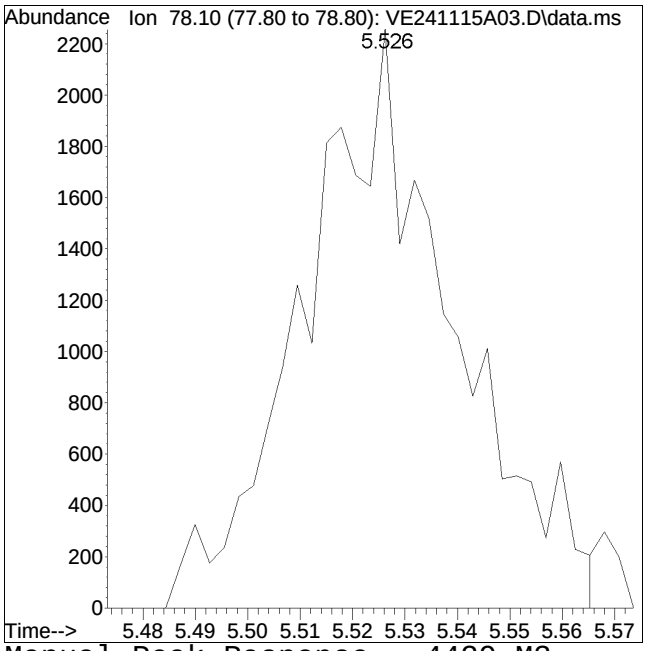
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A03.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 2:52 am Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 11/15/2024 11:44 am

Compound #45: Benzene





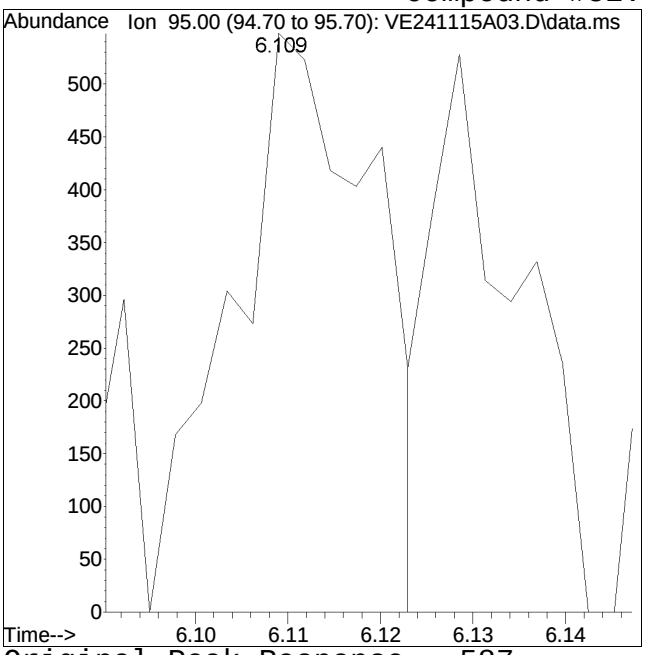
Original Peak Response = 2139 Manual Peak Response = 4429 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

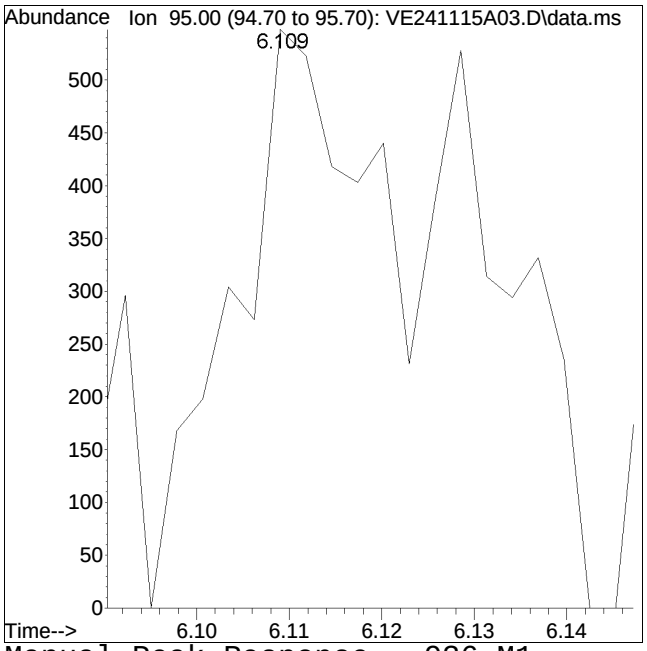
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A03.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 2:52 am Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 11/15/2024 11:44 am

Compound #52: Trichloroethene



Original Peak Response = 587



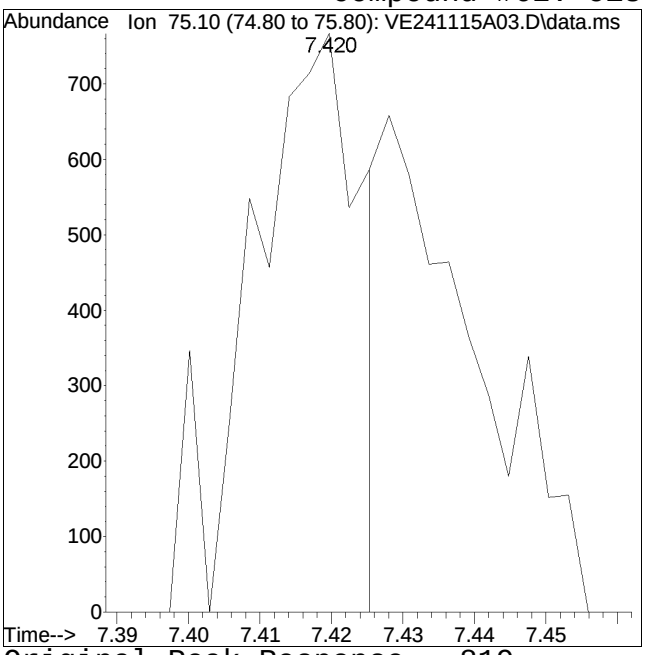
Manual Peak Response = 936 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

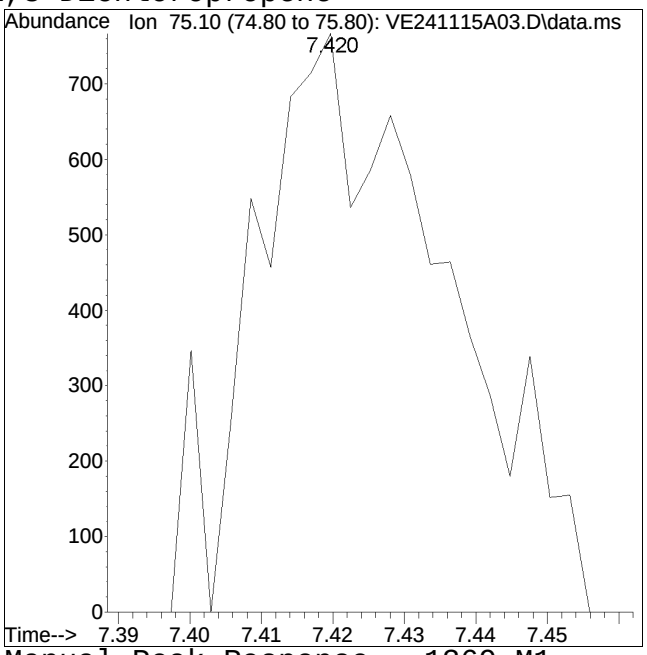
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A03.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 2:52 am Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 11/15/2024 11:44 am

Compound #62: cis-1,3-Dichloropropene



Original Peak Response = 819



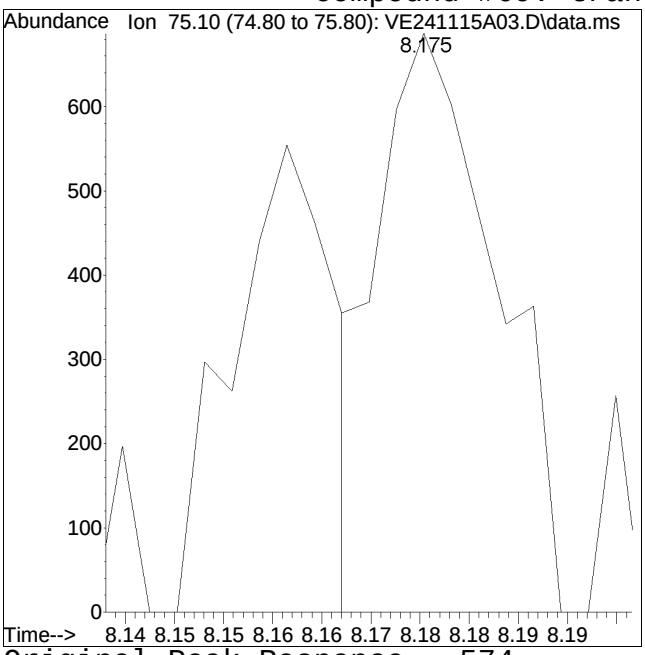
Manual Peak Response = 1369 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

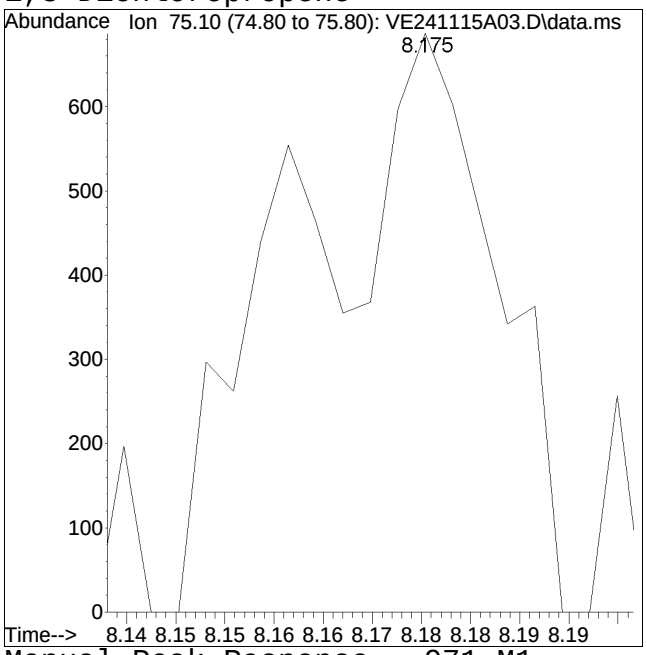
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A03.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 2:52 am Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 11/15/2024 11:44 am

Compound #69: trans-1,3-Dichloropropene



Original Peak Response = 574



Manual Peak Response = 971 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A05.D
Acq On : 15 Nov 2024 3:41 am
Operator : ELAINE:PID
Sample : I8260STD0.5PPB
Misc : WG1998028,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 11:45:13 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.939	96	256483	10.000 ug/L	0.00
Standard Area 1 = 258108			Recovery = 99.37%		
63) Chlorobenzene-d5	9.470	117	190246	10.000 ug/L	0.00
Standard Area 1 = 187202			Recovery = 101.63%		
84) 1,4-Dichlorobenzene-d4	12.186	152	97348	10.000 ug/L	0.00
Standard Area 1 = 99398			Recovery = 97.94%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.130	113	59050	10.041 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.41%		
47) 1,2-Dichloroethane-d4	5.652	65	70685	10.158 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.58%		
64) Toluene-d8	7.629	98	260761	10.051 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.51%		
88) 4-Bromofluorobenzene	10.970	95	90656	10.136 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.36%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.583	85	1927	0.336 ug/L #	88
3) Chloromethane	1.770	50	2789	0.493 ug/L	93
4) Vinyl chloride	1.845	62	2633M1	0.436 ug/L	
5) Bromomethane	2.155	94	2240	0.529 ug/L	92
6) Chloroethane	2.269	64	1611	0.369 ug/L	93
7) Trichlorofluoromethane	2.409	101	2934	0.333 ug/L #	63
8) Ethyl ether	2.693	74	1158M1	0.425 ug/L	
10) 1,1-Dichloroethene	2.894	96	1853M1	0.413 ug/L	
11) Carbon disulfide	2.919	76	5323	0.395 ug/L	98
12) Freon-113	2.930	101	1724M3	0.365 ug/L	
13) Iodomethane	3.028	142	2005	0.487 ug/L #	60
14) Acrolein	0.000		0	N.D. d	
15) Methylene chloride	3.440	84	2764	0.494 ug/L	90
17) Acetone	3.488	43	740M3	0.672 ug/L	
18) trans-1,2-Dichloroethene	3.594	96	2072M1	0.415 ug/L	
19) Methyl acetate	3.599	43	1285M1	0.522 ug/L	
21) Methyl tert-butyl ether	3.691	73	5611M1	0.420 ug/L	
22) tert-Butyl alcohol	3.795	59	621M3	1.846 ug/L	
24) Diisopropyl ether	4.051	45	7214	0.431 ug/L #	41
25) 1,1-Dichloroethane	4.177	63	4222M4	0.423 ug/L	
26) Halothane	4.235	117	1586M3	0.412 ug/L	

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A05.D
Acq On : 15 Nov 2024 3:41 am
Operator : ELAINE:PID
Sample : I8260STD0.5PPB
Misc : WG1998028,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 11:45:13 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	0.000		0	N.D.	d		
28) Ethyl tert-butyl ether	4.394	59	7829M1	0.446	ug/L		
29) Vinyl acetate	4.419	43	5041	0.435	ug/L	#	79
30) cis-1,2-Dichloroethene	4.684	96	2285M1	0.401	ug/L		
31) 2,2-Dichloropropane	4.793	77	3248M1	0.412	ug/L		
33) Bromochloromethane	4.882	128	1300M1	0.501	ug/L		
34) Cyclohexane	4.891	56	4093	0.403	ug/L		97
35) Chloroform	4.960	83	4537M3	0.485	ug/L		
36) Ethyl acetate	0.000		0	N.D.	d		
37) Carbon tetrachloride	5.083	117	2590M3	0.381	ug/L		
38) Tetrahydrofuran	0.000		0	N.D.	d		
40) 1,1,1-Trichloroethane	5.153	97	3364M3	0.407	ug/L		
42) 2-Butanone	0.000		0	N.D.	d		
43) 1,1-Dichloropropene	5.281	75	3132M3	0.432	ug/L		
45) Benzene	5.526	78	9661M1	0.424	ug/L		
46) tert-Amyl methyl ether	5.632	73	6381M1	0.435	ug/L		
48) 1,2-Dichloroethane	5.727	62	3565M1	0.491	ug/L		
51) Methyl cyclohexane	6.095	83	3853M1	0.379	ug/L		
52) Trichloroethene	6.126	95	2159M1	0.399	ug/L		
54) Dibromomethane	6.561	93	1230	0.398	ug/L	#	75
55) 1,2-Dichloropropane	6.653	63	2378M6	0.410	ug/L		
57) 2-Chloroethyl vinyl ether	7.361	63	1268M3	0.372	ug/L		
58) Bromodichloromethane	6.731	83	3100	0.412	ug/L	#	66
61) 1,4-Dioxane	6.937	88	3107	82.048	ug/L	#	58
62) cis-1,3-Dichloropropene	7.425	75	3665M3	0.422	ug/L		
65) Toluene	7.685	92	6582	0.440	ug/L		96
66) 4-Methyl-2-pentanone	8.114	58	746M1	0.475	ug/L		
67) Tetrachloroethene	8.137	166	2495	0.415	ug/L	#	44
69) trans-1,3-Dichloropropene	8.170	75	2895	0.391	ug/L	#	72
71) Ethyl methacrylate	8.365	69	2299M3	0.407	ug/L		
72) 1,1,2-Trichloroethane	8.354	83	1816	0.462	ug/L	#	76
73) Chlorodibromomethane	8.574	129	2018	0.383	ug/L	#	63
74) 1,3-Dichloropropane	8.678	76	3724	0.459	ug/L	#	57
75) 1,2-Dibromoethane	8.842	107	2141	0.460	ug/L	#	67
77) 2-Hexanone	9.132	43	1182M1	0.468	ug/L		
78) Chlorobenzene	9.486	112	7282	0.458	ug/L	#	51
79) Ethylbenzene	9.528	91	12024	0.421	ug/L	#	69
80) 1,1,1,2-Tetrachloroethane	9.578	131	2024	0.384	ug/L	#	68
81) p/m Xylene	9.715	106	8790	0.799	ug/L		97
82) o Xylene	10.259	106	8633	0.805	ug/L		94

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A05.D
Acq On : 15 Nov 2024 3:41 am
Operator : ELAINE:PID
Sample : I8260STD0.5PPB
Misc : WG1998028,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 11:45:13 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83)	Styrene	10.323	104	14947	0.826	ug/L		92
85)	Bromoform	10.356	173	940M1	0.327	ug/L		
87)	Isopropylbenzene	10.644	105	11976	0.416	ug/L		93
89)	Bromobenzene	11.079	156	2869	0.447	ug/L		88
90)	n-Propylbenzene	11.132	91	13631	0.418	ug/L		93
91)	1,4-Dichlorobutane	11.143	55	3441M1	0.450	ug/L		
92)	1,1,2,2-Tetrachloroethane	11.218	83	2693	0.485	ug/L	#	69
93)	4-Ethyltoluene	11.257	105	11892M3	0.439	ug/L		
94)	2-Chlorotoluene	11.293	91	8170	0.431	ug/L		90
95)	1,3,5-Trimethylbenzene	11.352	105	10373	0.433	ug/L		98
96)	1,2,3-Trichloropropane	11.352	75	2107	0.481	ug/L	#	85
97)	trans-1,4-Dichloro-2-b...	11.416	53	632M3	0.398	ug/L		
98)	4-Chlorotoluene	11.480	91	8606	0.439	ug/L		97
99)	tert-Butylbenzene	11.698	119	8488	0.429	ug/L	#	30
102)	1,2,4-Trimethylbenzene	11.770	105	10534	0.439	ug/L		100
103)	sec-Butylbenzene	11.884	105	12805	0.424	ug/L		100
104)	p-Isopropyltoluene	12.041	119	10208	0.408	ug/L		98
105)	1,3-Dichlorobenzene	12.108	146	5953	0.463	ug/L		98
106)	1,4-Dichlorobenzene	12.202	146	6189M3	0.480	ug/L		
107)	p-Diethylbenzene	12.414	119	5789	0.396	ug/L		90
108)	n-Butylbenzene	12.473	91	8988	0.412	ug/L		97
109)	1,2-Dichlorobenzene	12.623	146	5945	0.486	ug/L		98
110)	1,2,4,5-Tetramethylben...	13.209	119	9851	0.420	ug/L	#	96
111)	1,2-Dibromo-3-chloropr...	13.407	155	262M6	0.353	ug/L		
112)	1,3,5-Trichlorobenzene	13.438	180	3803	0.436	ug/L		89
113)	Hexachlorobutadiene	14.009	225	927M6	0.398	ug/L		
114)	1,2,4-Trichlorobenzene	14.040	180	3487	0.458	ug/L		94
115)	Naphthalene	14.330	128	7650	0.428	ug/L		100
116)	1,2,3-Trichlorobenzene	14.500	180	2977	0.438	ug/L	#	85

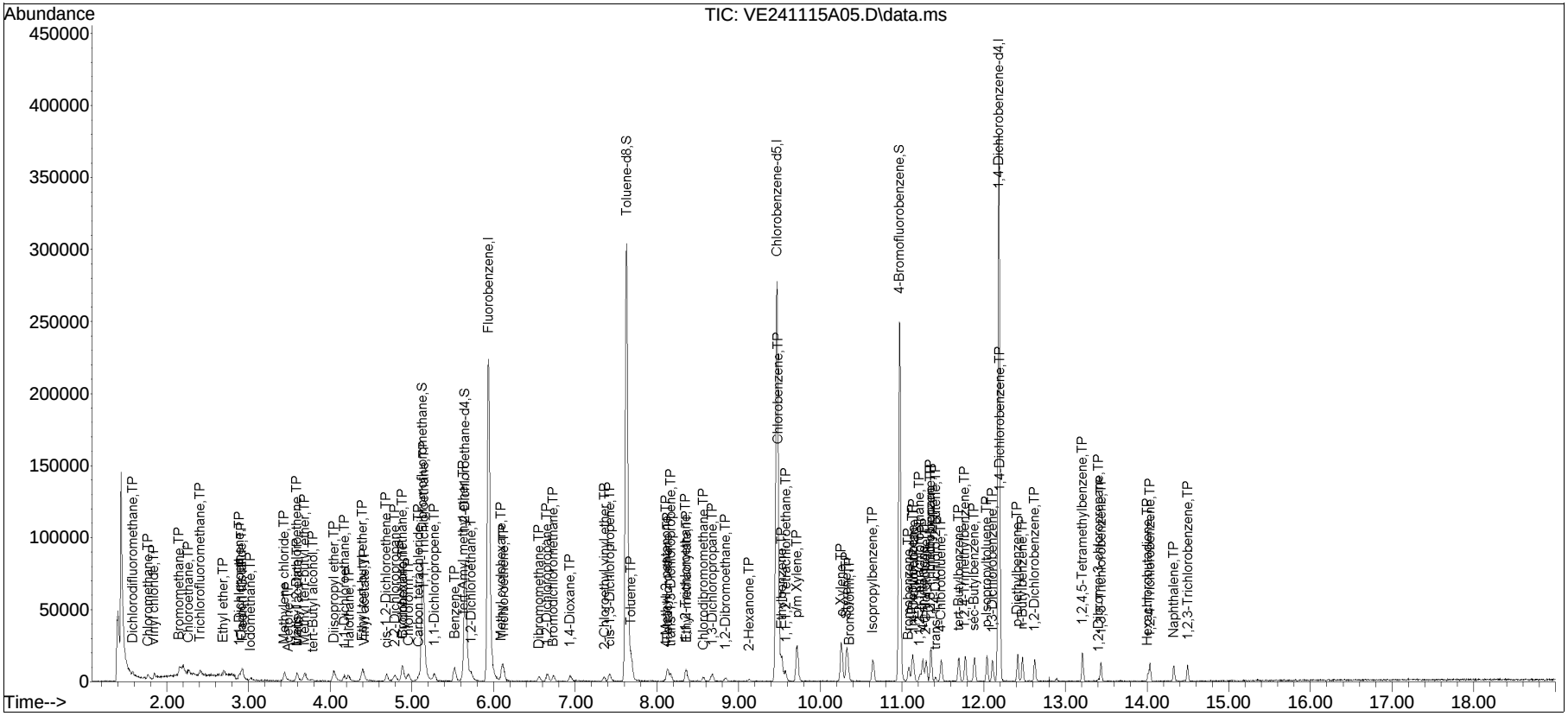
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A05.D
Acq On : 15 Nov 2024 3:41 am
Operator : ELAINE:PID
Sample : I8260STD0.5PPB
Misc : WG1998028,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 11:45:13 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

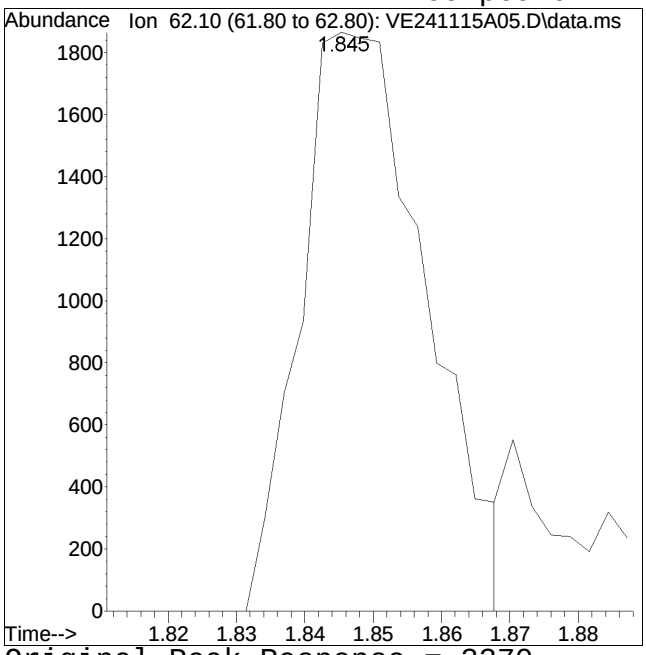
Sub List : 8260-Curve - Megamix plus Diox\VE241115A09.D•

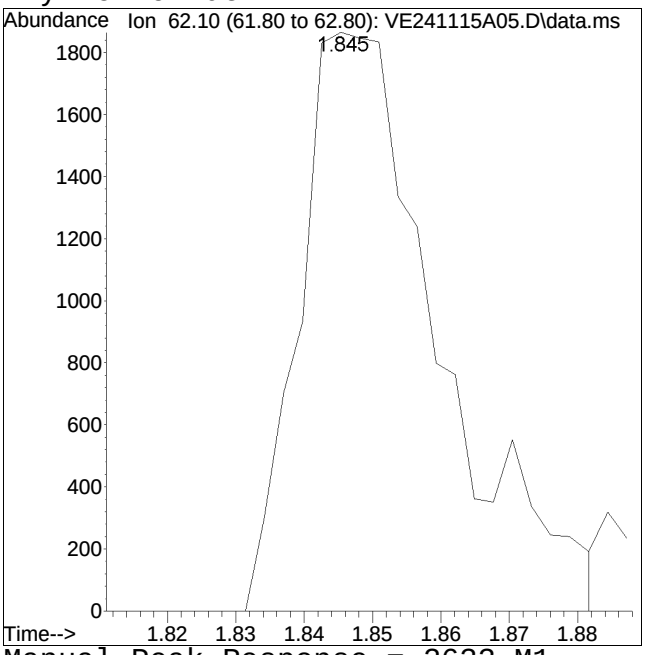


Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #4: Vinyl chloride



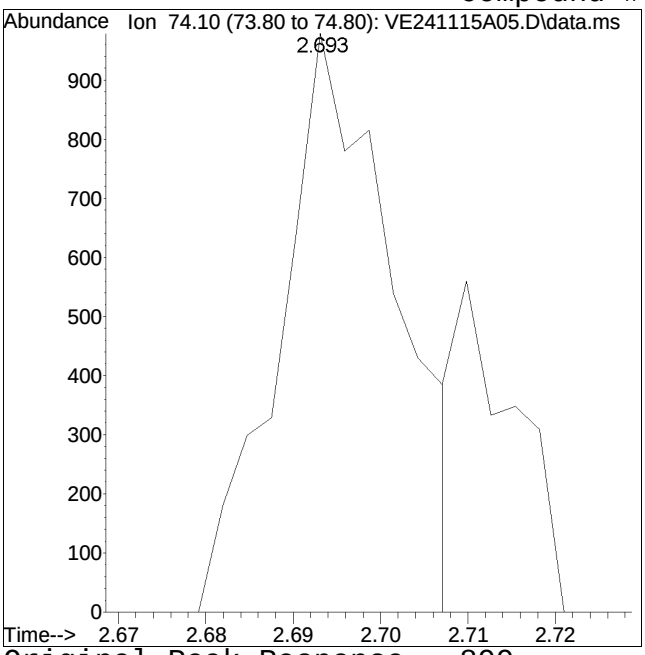


Original Peak Response = 2370 Manual Peak Response = 2633 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

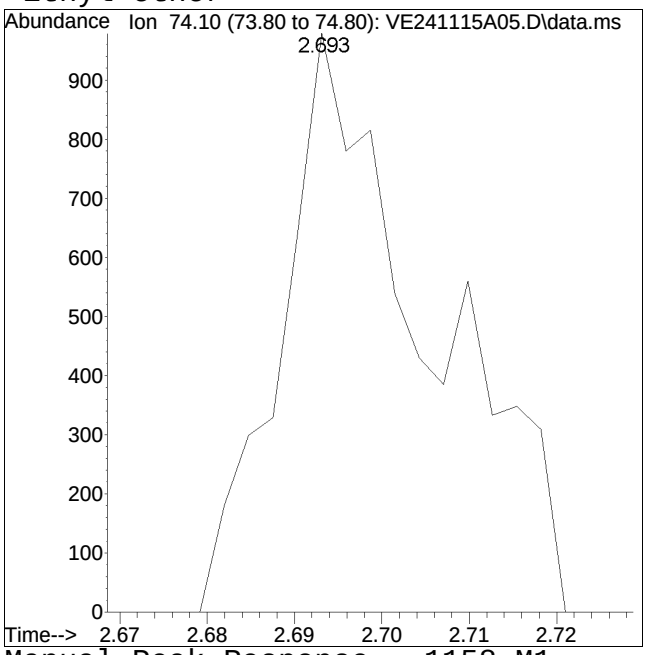
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #8: Ethyl ether



Original Peak Response = 899



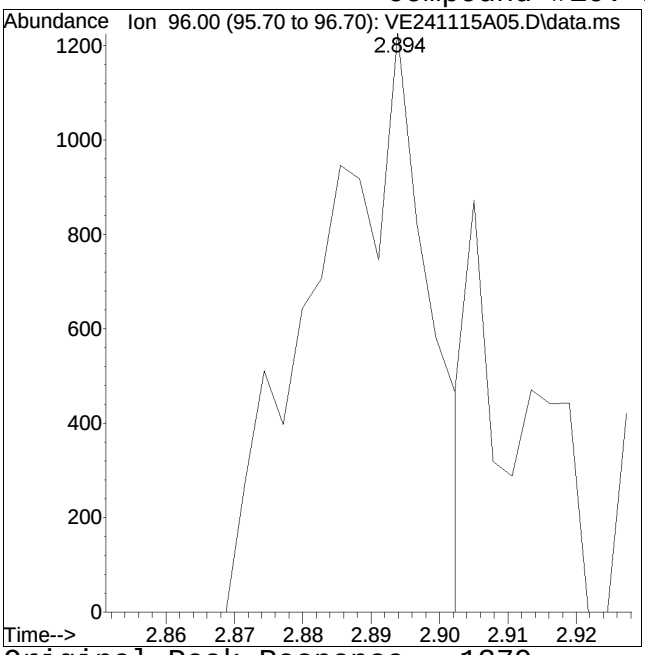
Manual Peak Response = 1158 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

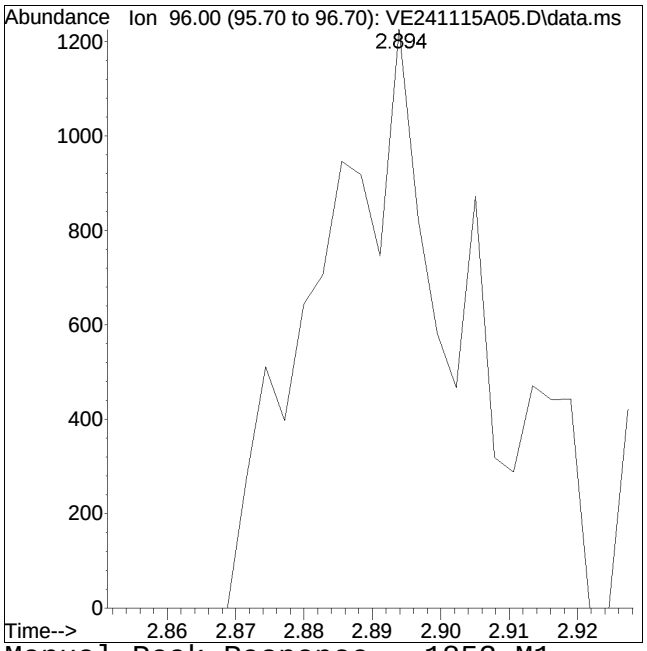
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #10: 1,1-Dichloroethene



Original Peak Response = 1379



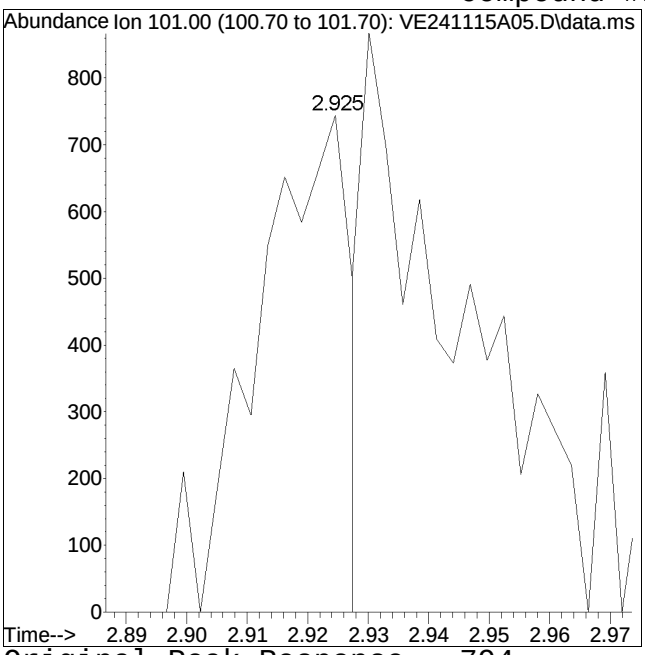
Manual Peak Response = 1853 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

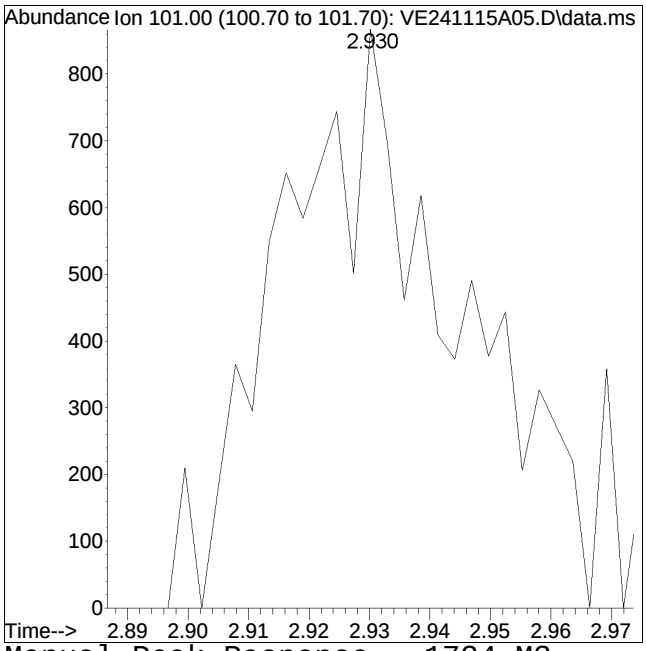
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #12: Freon-113



Original Peak Response = 794



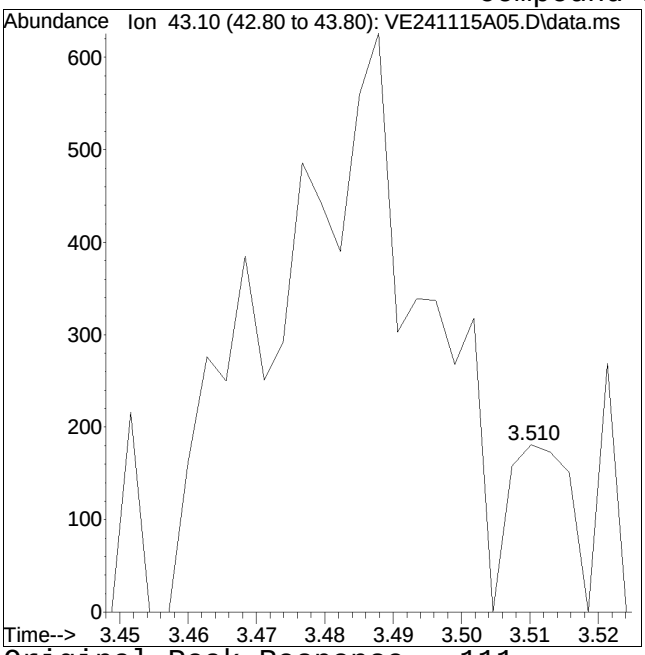
Manual Peak Response = 1724 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

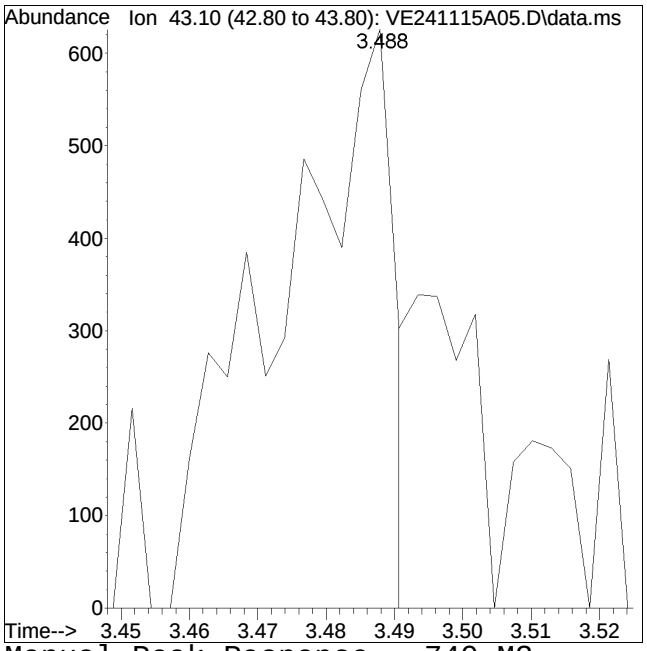
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #17: Acetone



Original Peak Response = 111



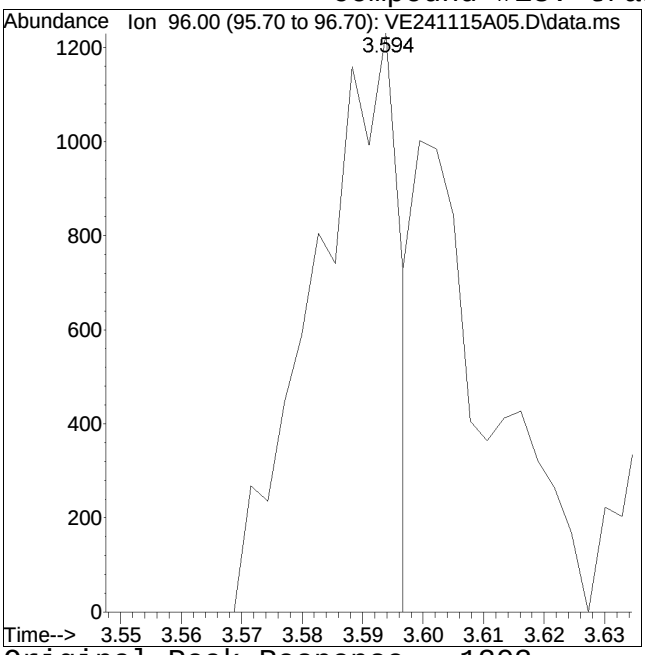
Manual Peak Response = 740 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

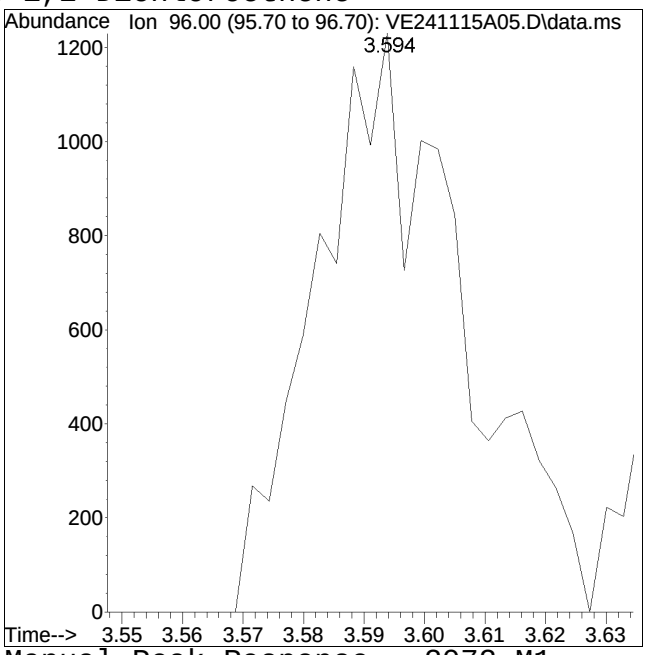
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 1203



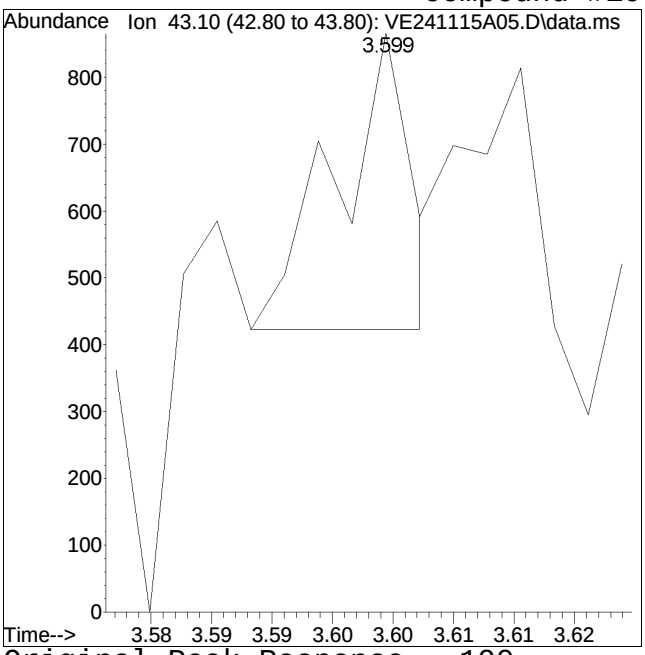
Manual Peak Response = 2072 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

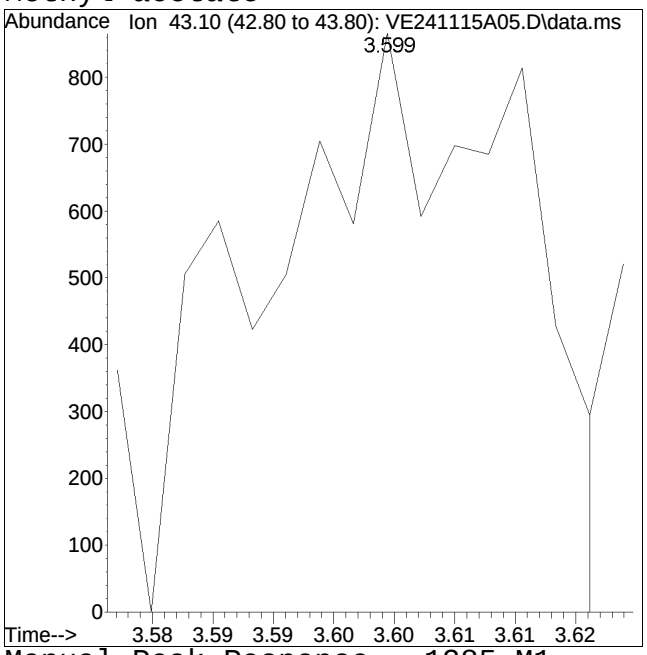
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #19: Methyl acetate



Original Peak Response = 190



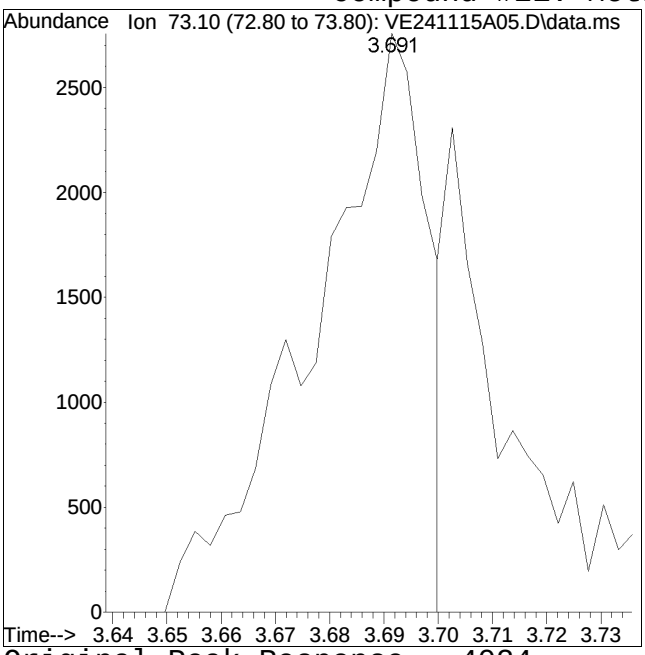
Manual Peak Response = 1285 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

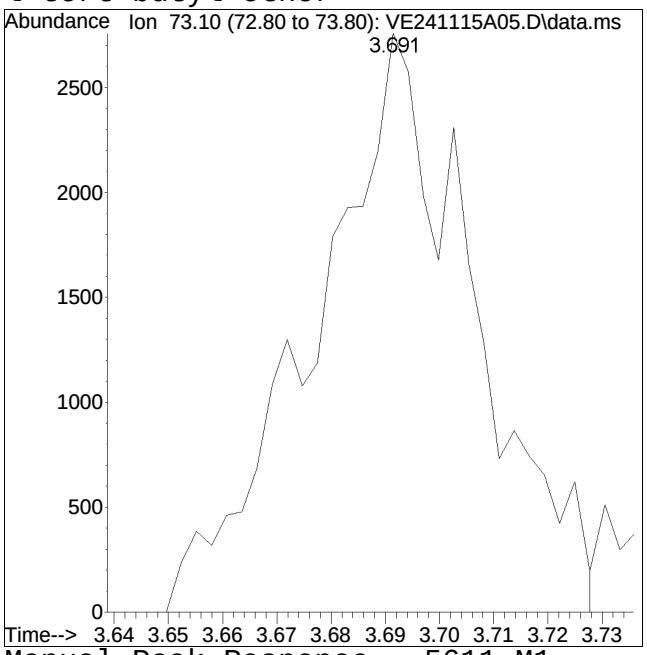
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #21: Methyl tert-butyl ether



Original Peak Response = 4024



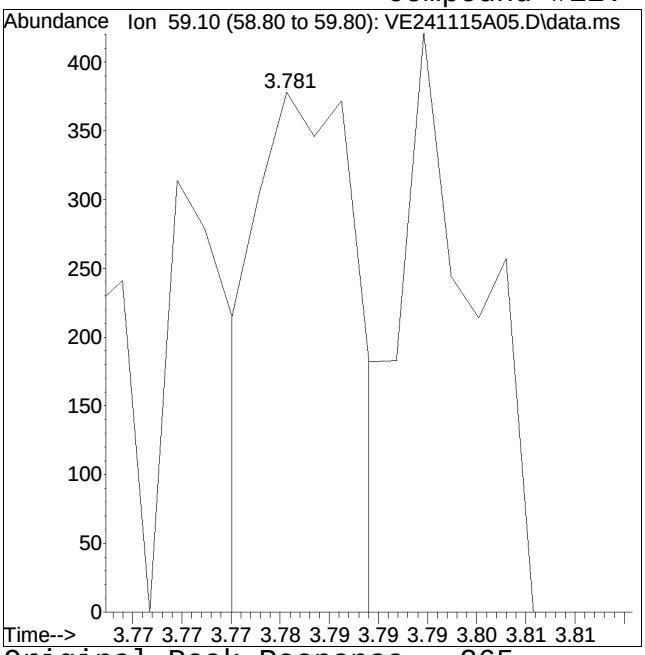
Manual Peak Response = 5611 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

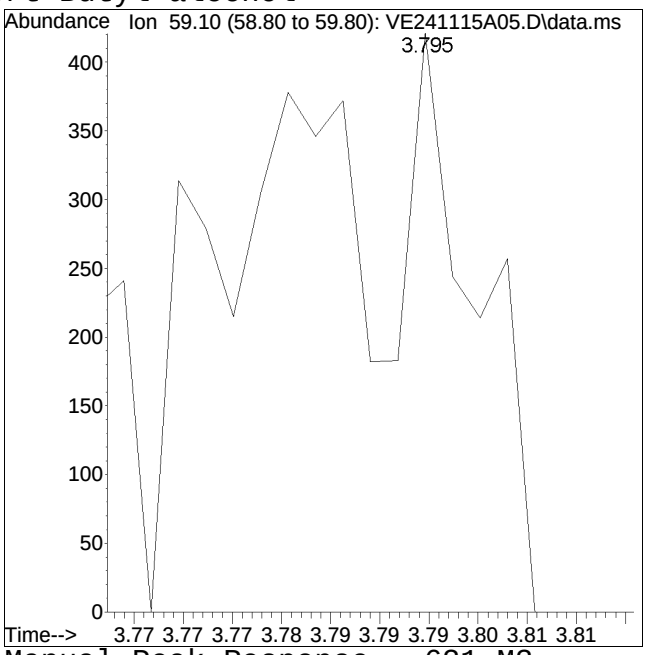
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #22: tert-Butyl alcohol



Original Peak Response = 265



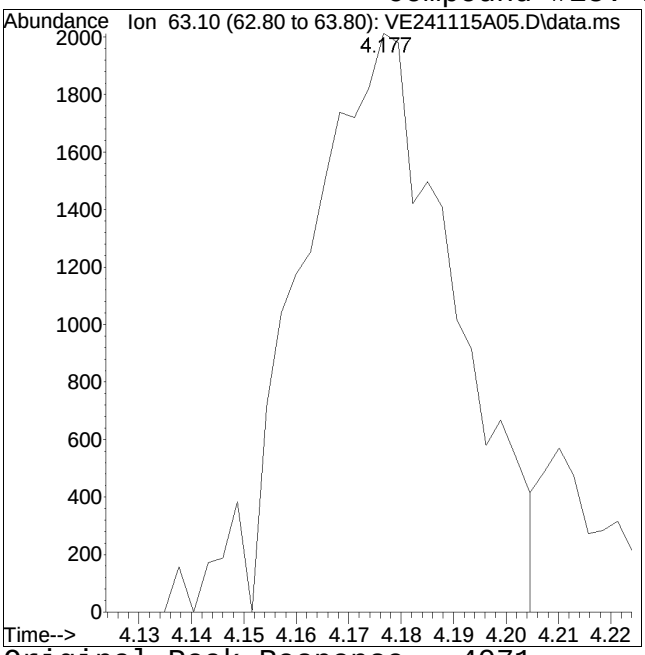
Manual Peak Response = 621 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

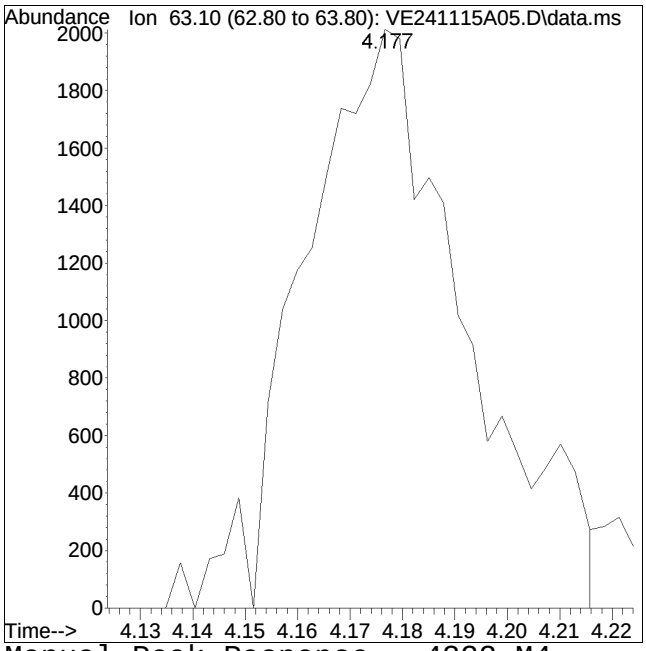
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #25: 1,1-Dichloroethane



Original Peak Response = 4071



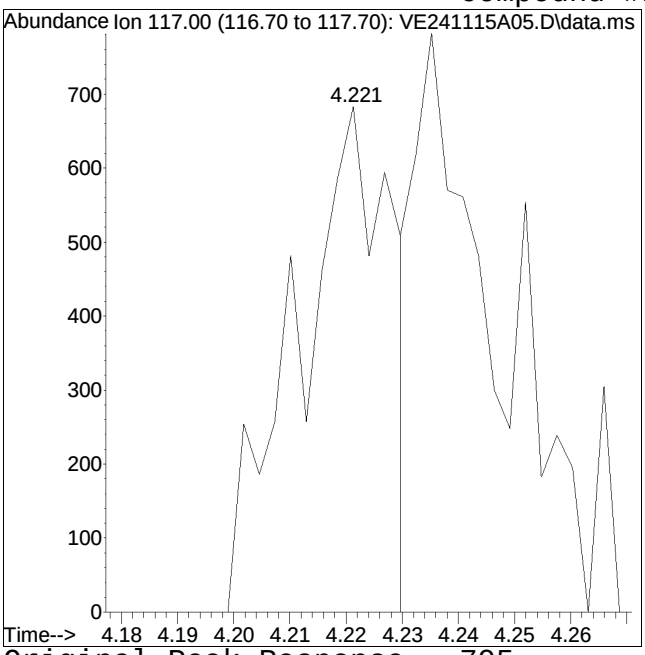
Manual Peak Response = 4222 M4

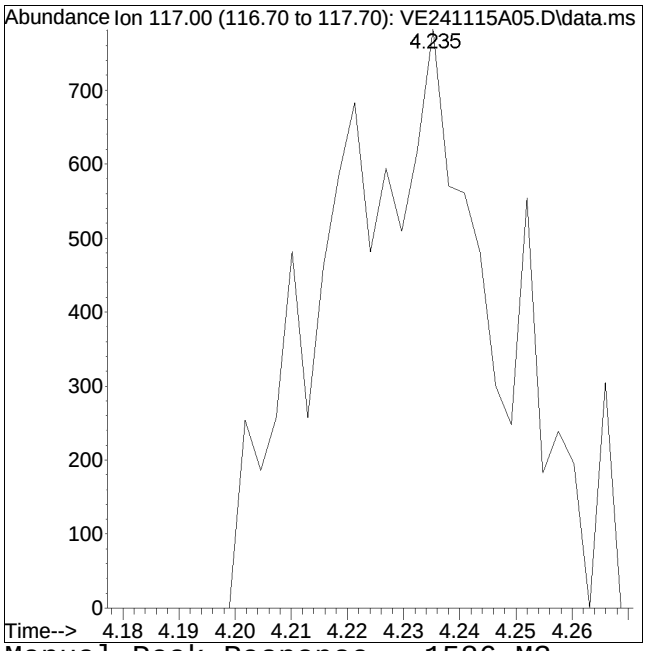
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #26: Halothane





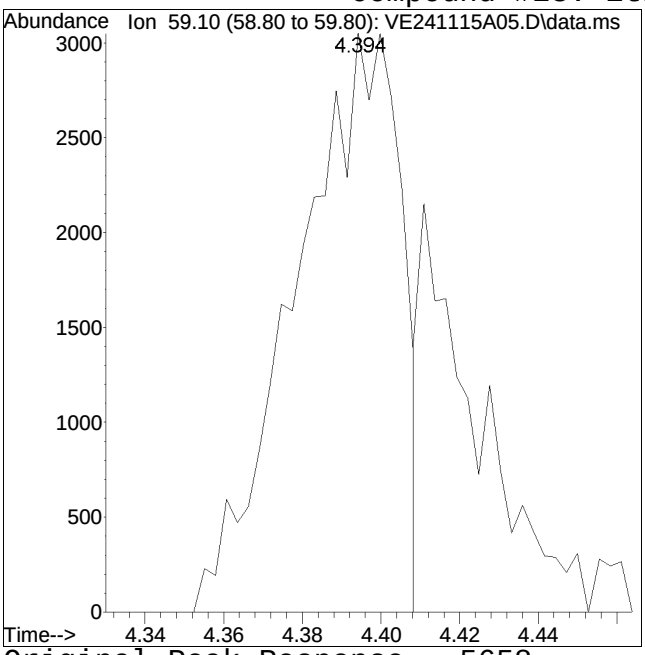
Original Peak Response = 795 Manual Peak Response = 1586 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

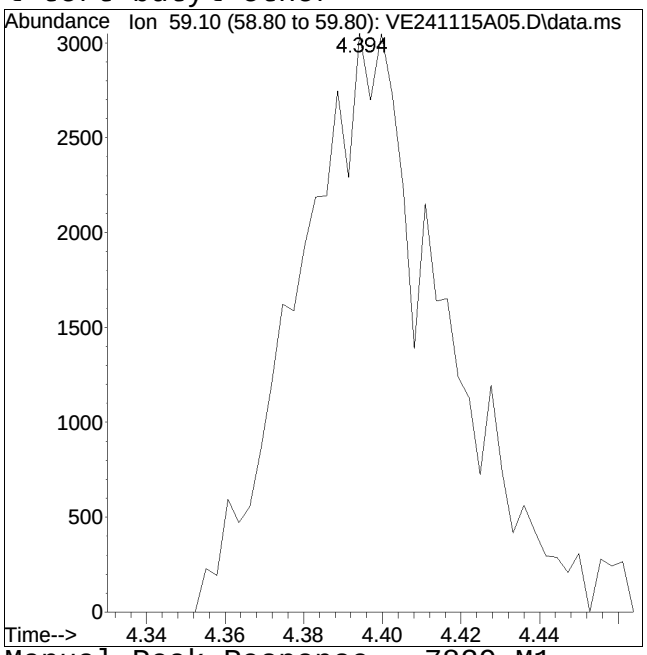
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #28: Ethyl tert-butyl ether



Original Peak Response = 5658



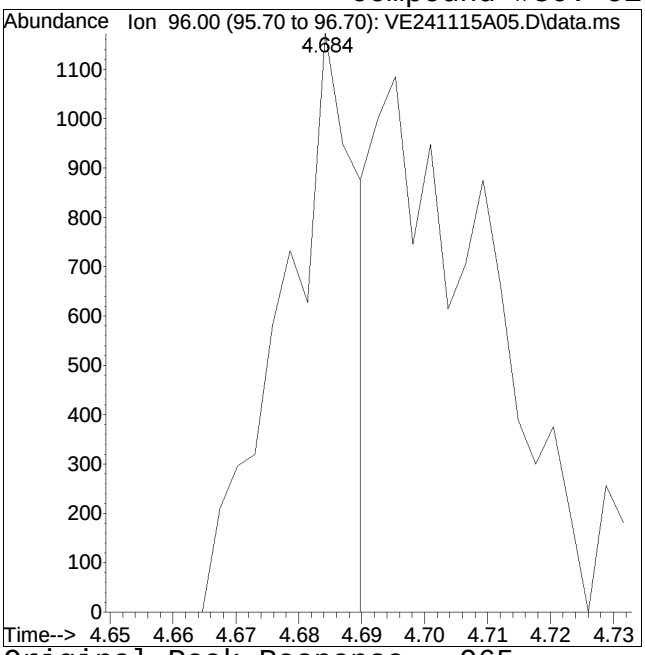
Manual Peak Response = 7829 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

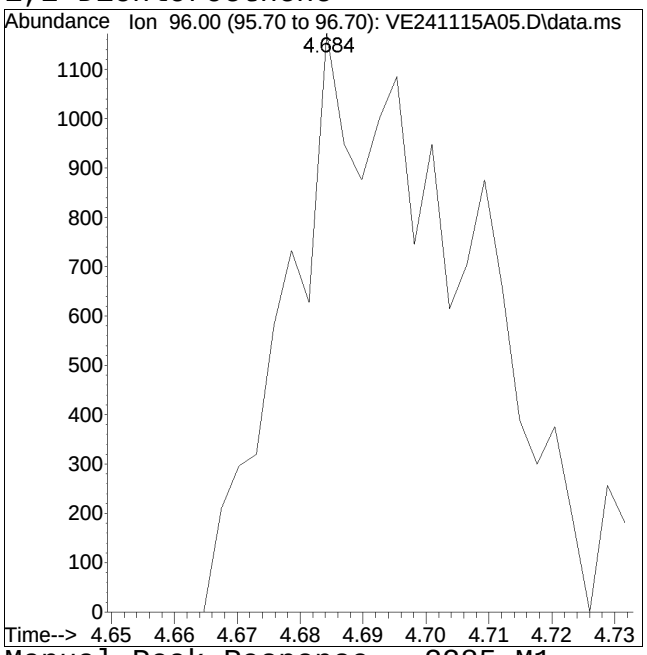
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #30: cis-1,2-Dichloroethene



Original Peak Response = 965



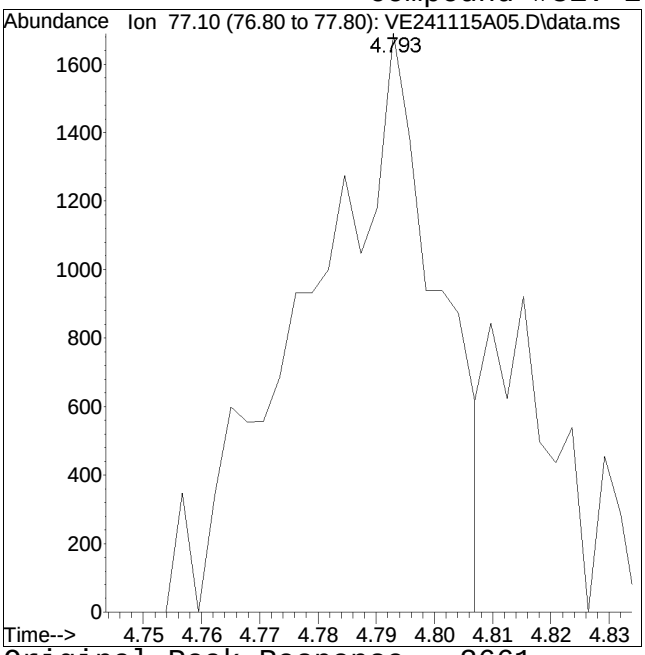
Manual Peak Response = 2285 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

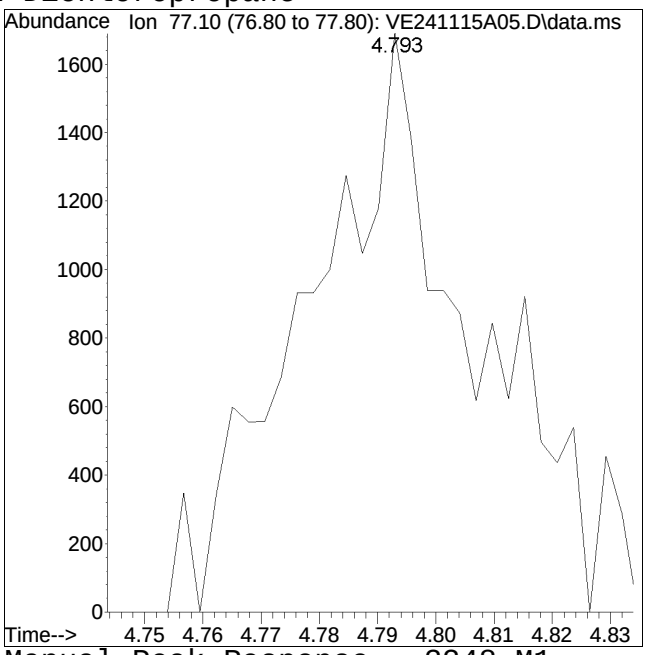
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #31: 2,2-Dichloropropane



Original Peak Response = 2661



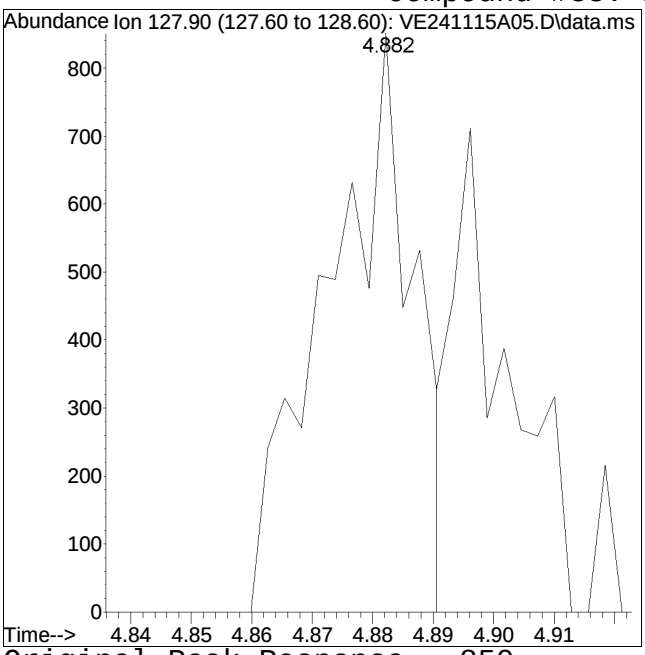
Manual Peak Response = 3248 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

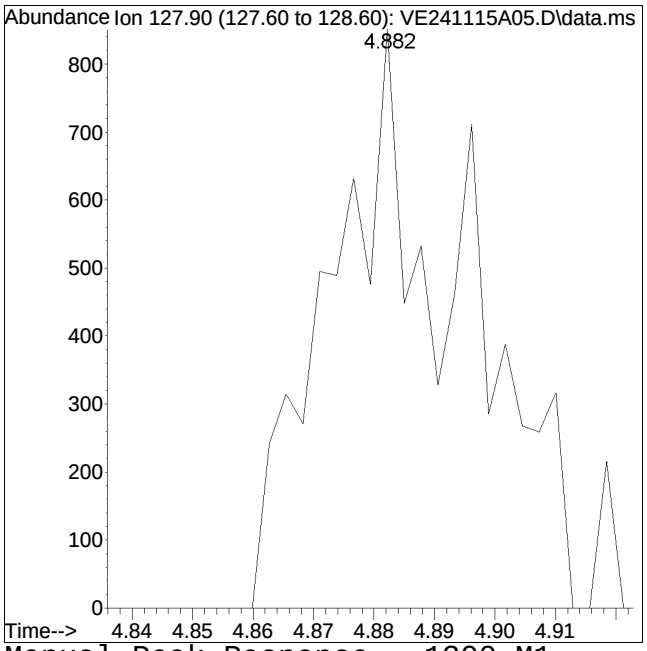
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #33: Bromochloromethane



Original Peak Response = 850



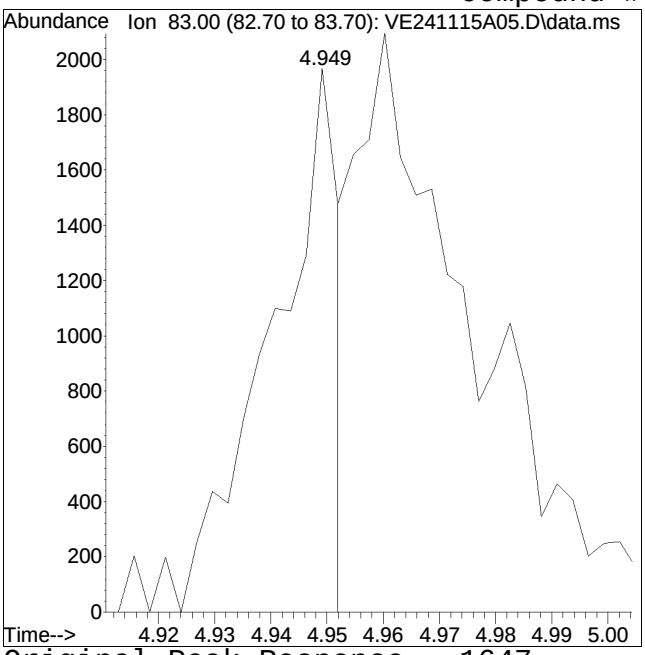
Manual Peak Response = 1300 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

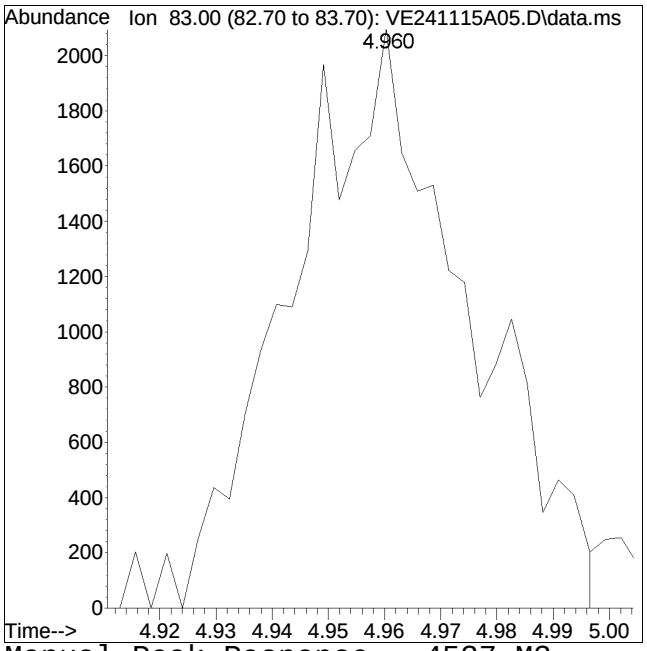
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #35: Chloroform



Original Peak Response = 1647



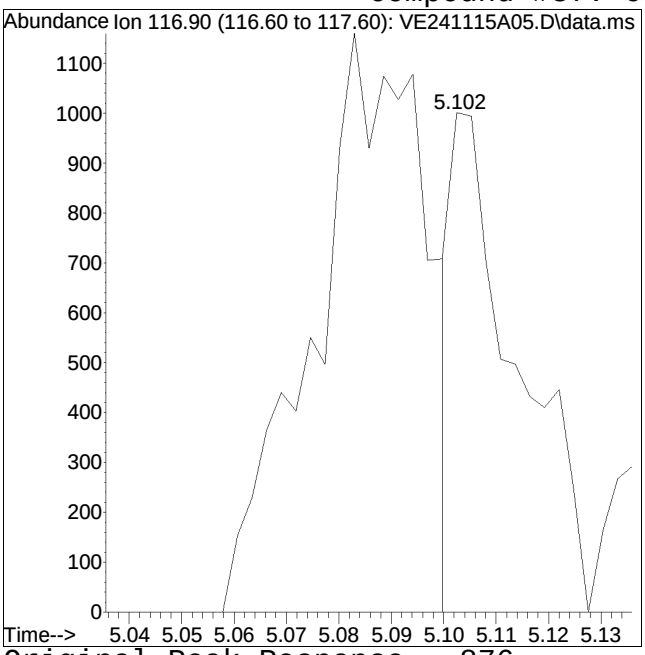
Manual Peak Response = 4537 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

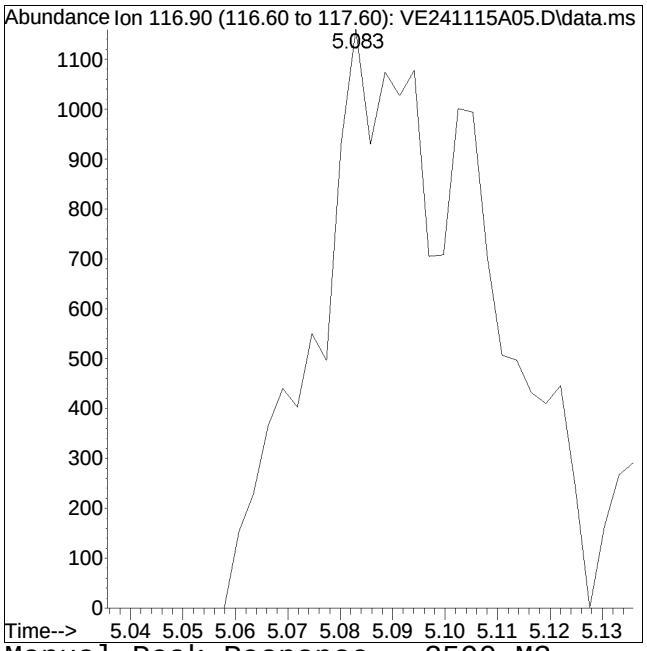
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #37: Carbon tetrachloride



Original Peak Response = 876



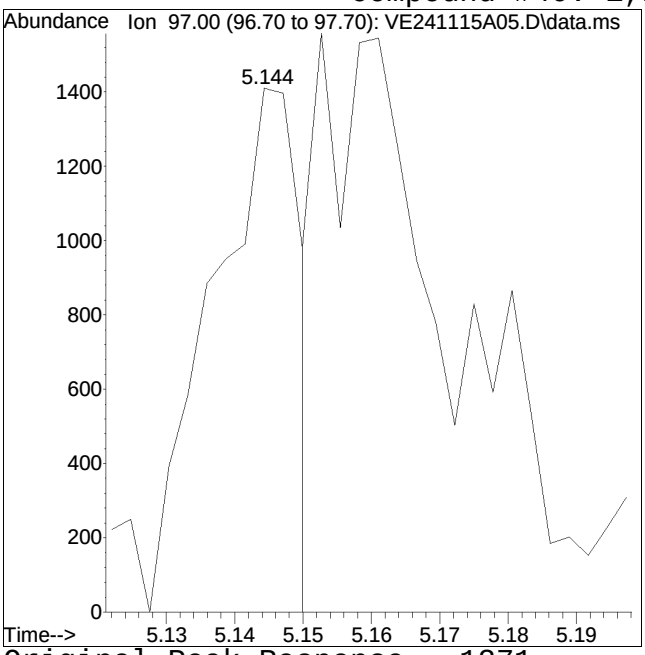
Manual Peak Response = 2590 M3

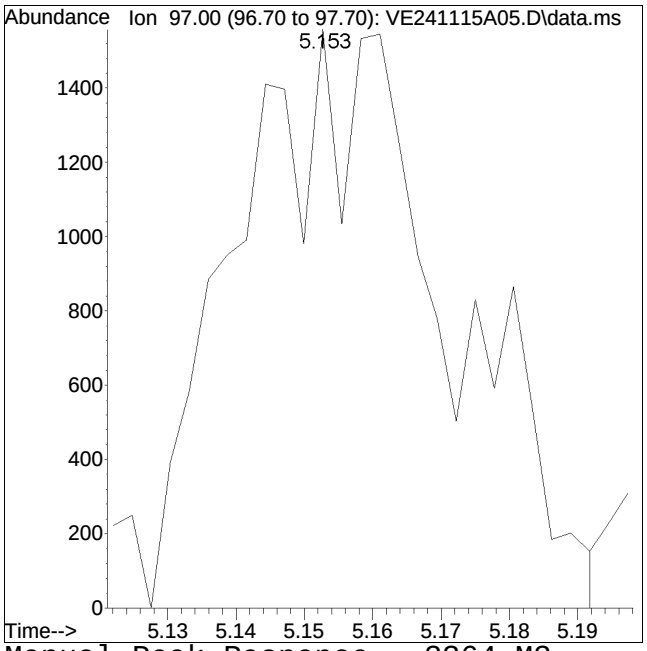
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #40: 1,1,1-Trichloroethane





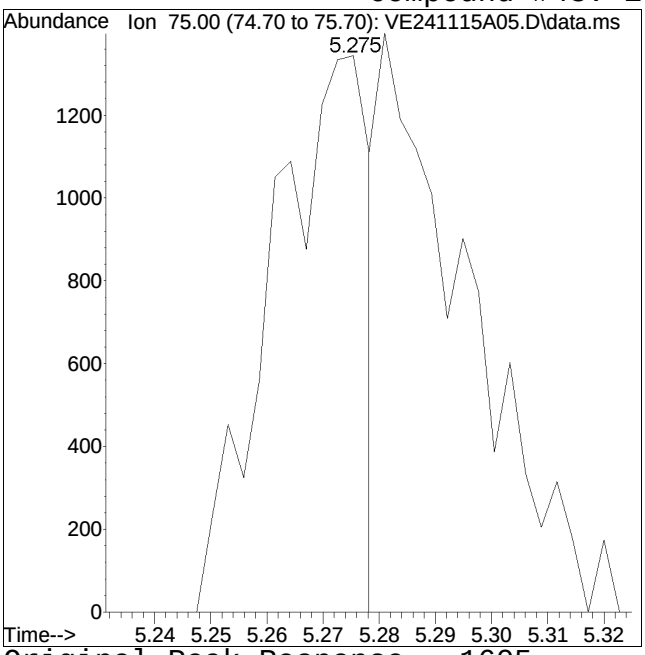
Original Peak Response = 1271 Manual Peak Response = 3364 M3

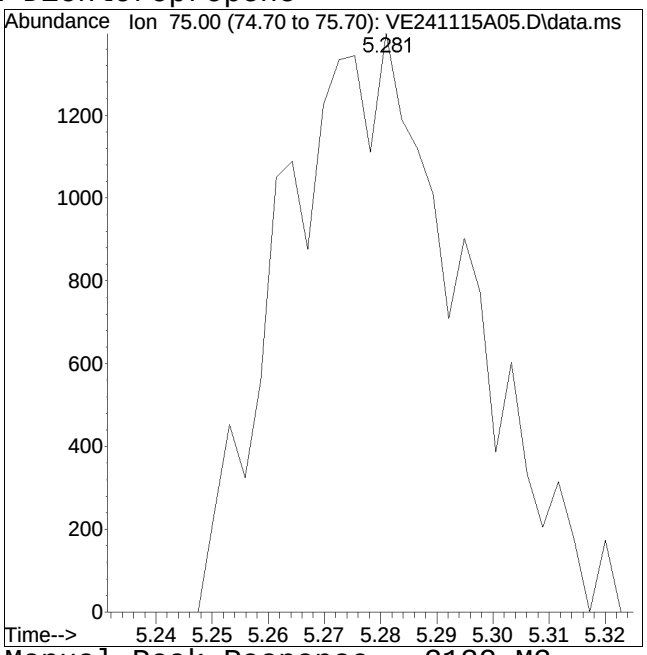
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #43: 1,1-Dichloropropene





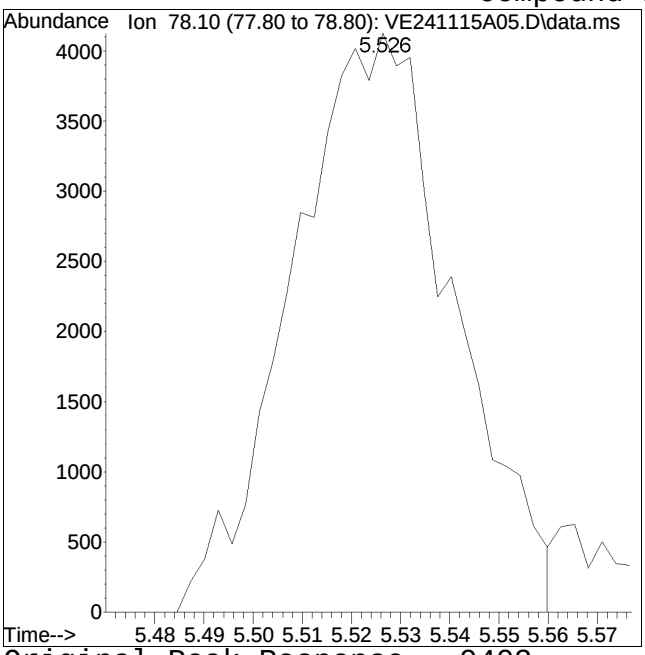
Original Peak Response = 1605 Manual Peak Response = 3132 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

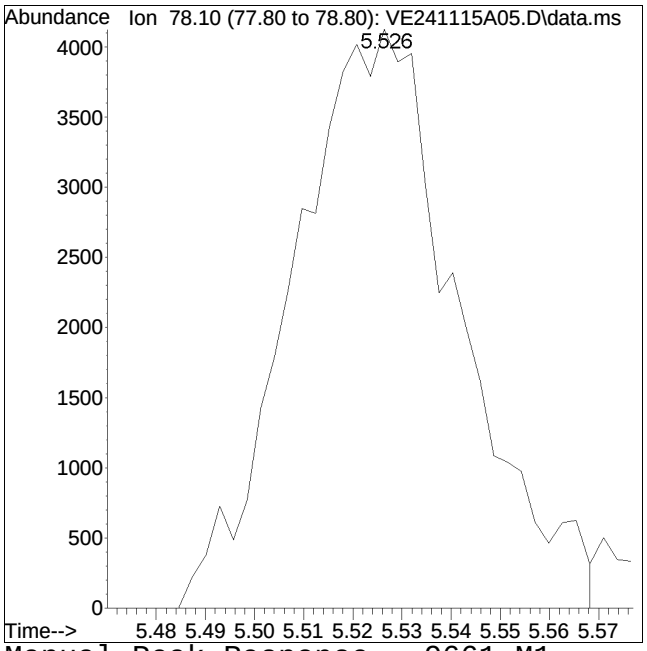
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #45: Benzene



Original Peak Response = 9403



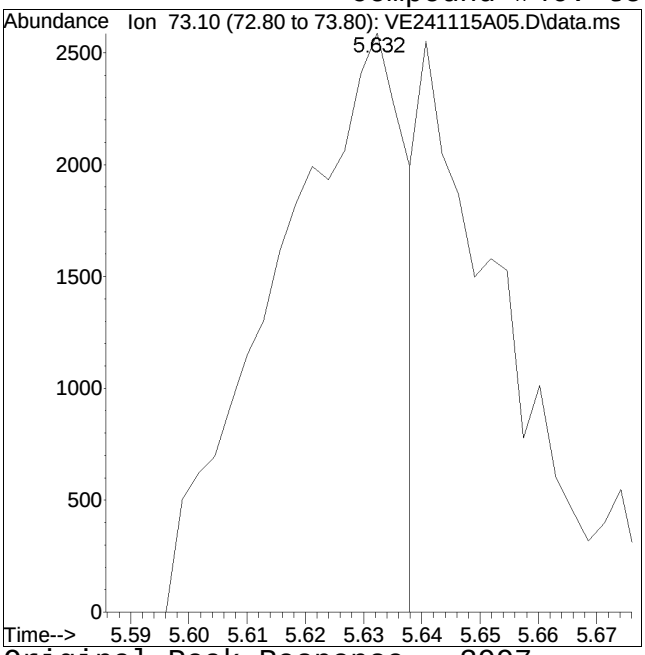
Manual Peak Response = 9661 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

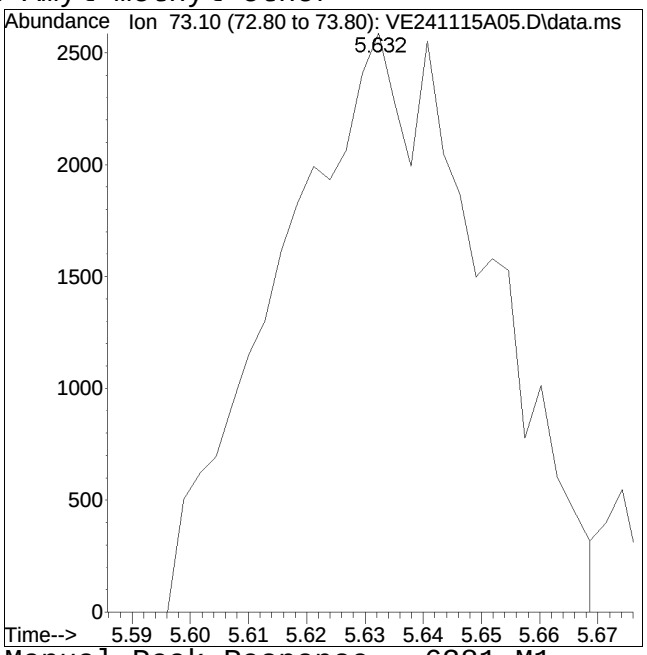
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #46: tert-Amyl methyl ether



Original Peak Response = 3997



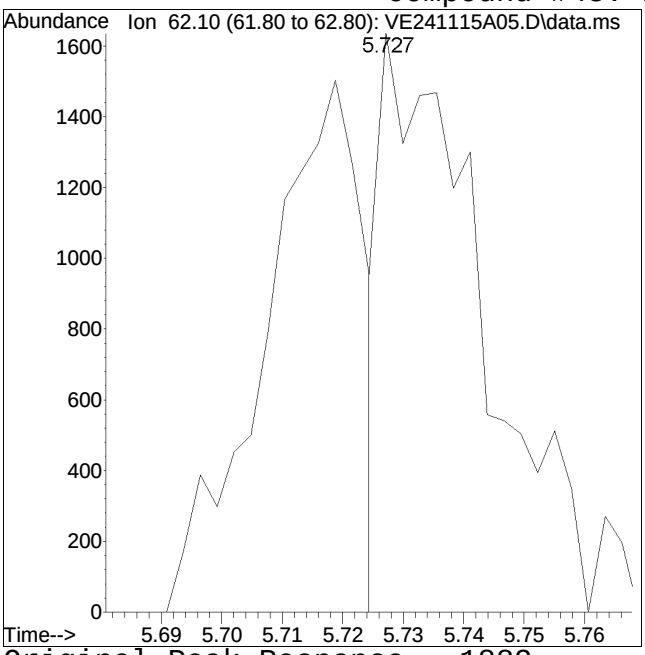
Manual Peak Response = 6381 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

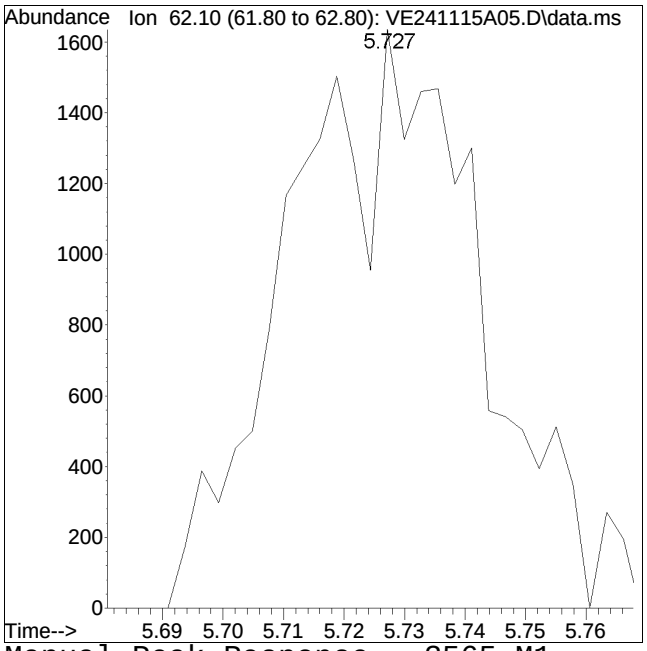
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #48: 1,2-Dichloroethane



Original Peak Response = 1882



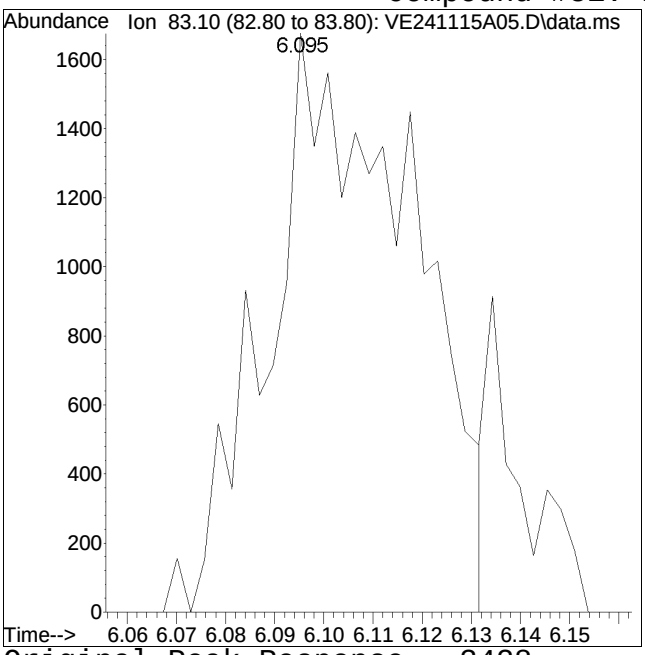
Manual Peak Response = 3565 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

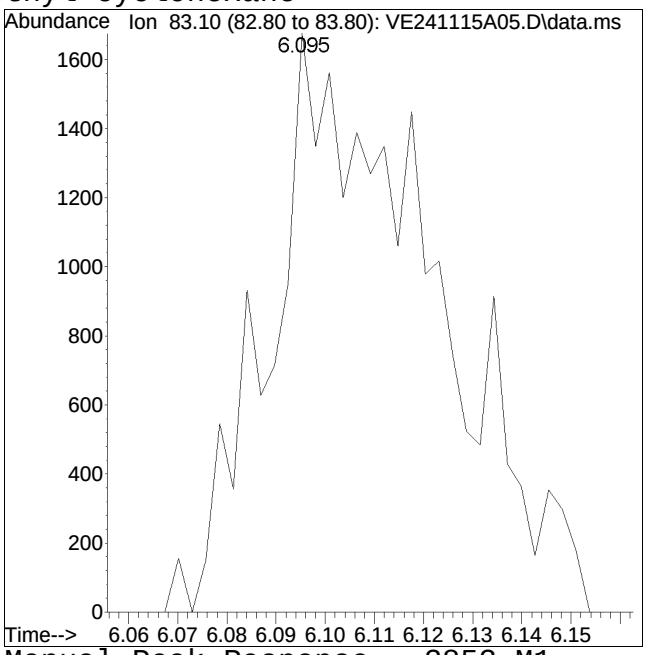
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #51: Methyl cyclohexane



Original Peak Response = 3428



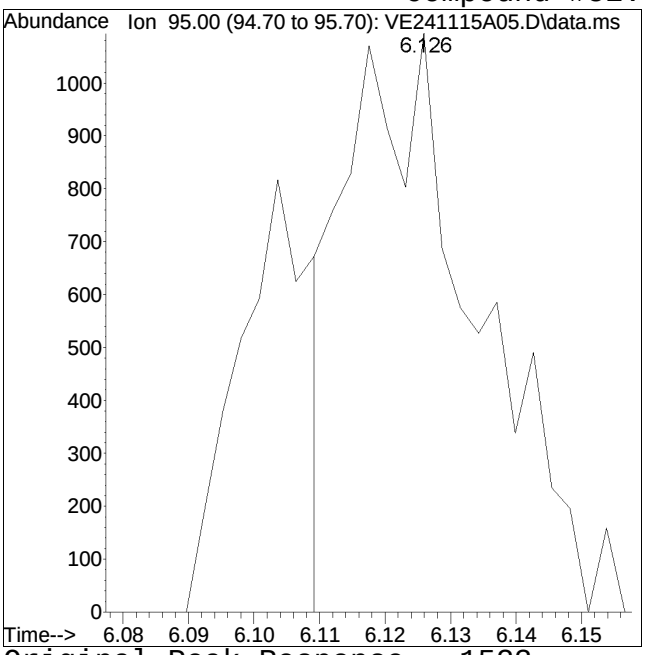
Manual Peak Response = 3853 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

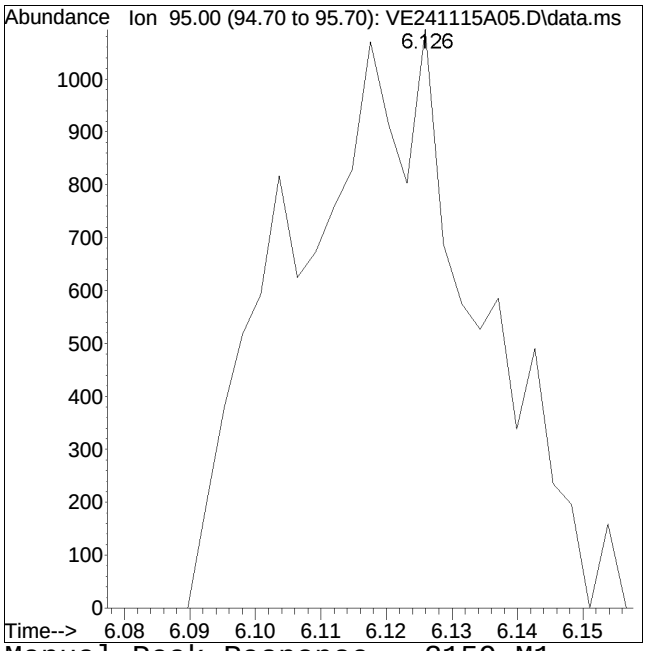
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #52: Trichloroethene



Original Peak Response = 1523



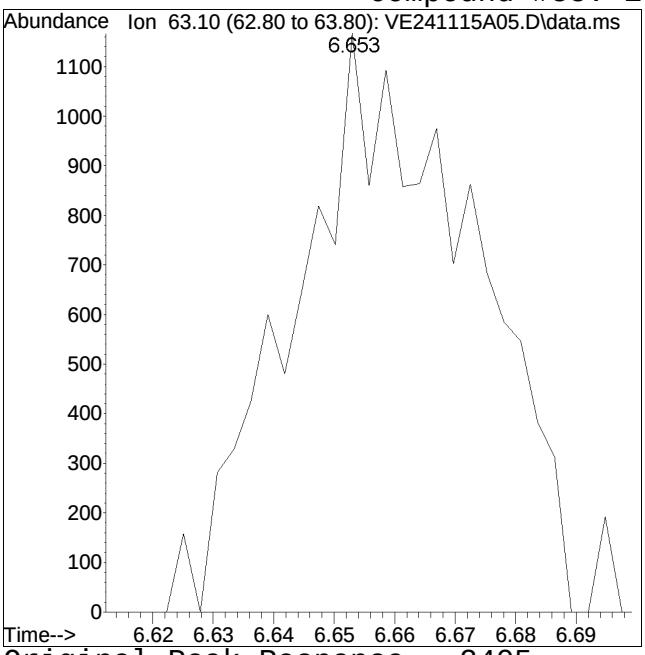
Manual Peak Response = 2159 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

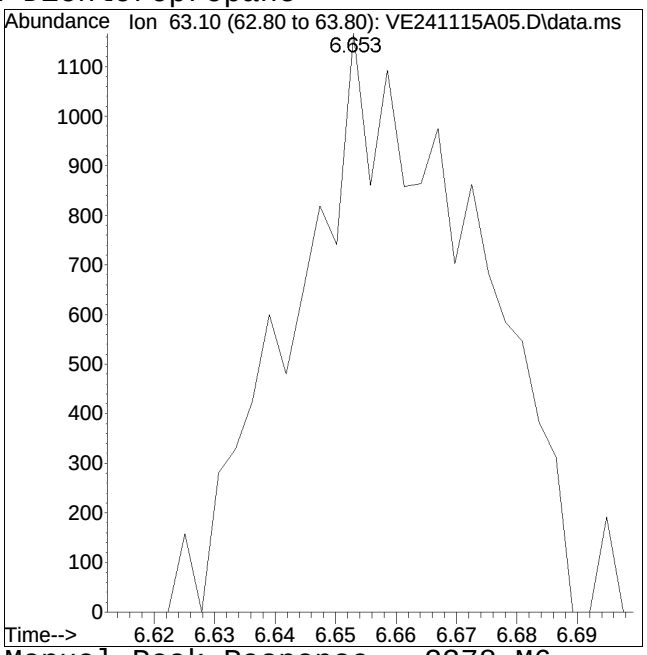
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #55: 1,2-Dichloropropane



Original Peak Response = 2405



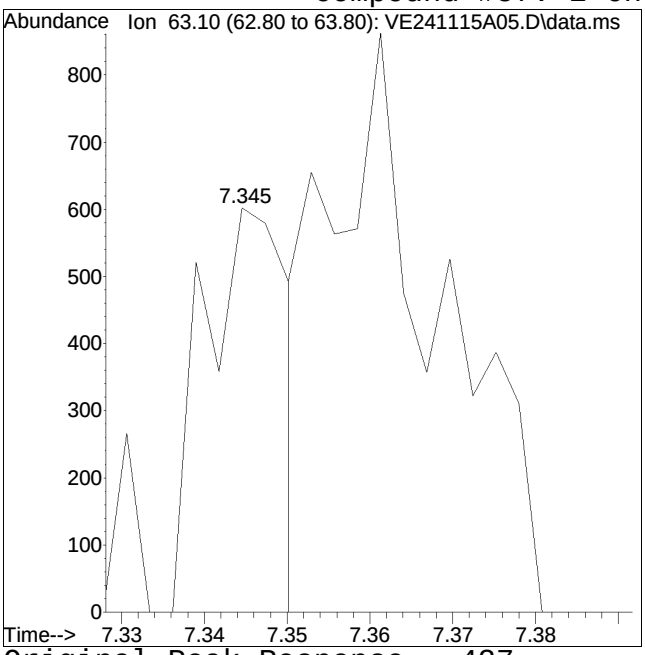
Manual Peak Response = 2378 M6

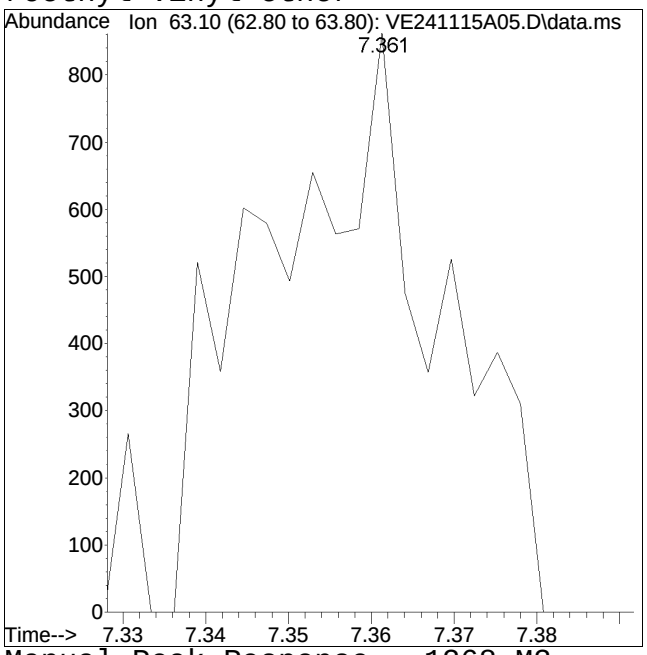
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #57: 2-Chloroethyl vinyl ether





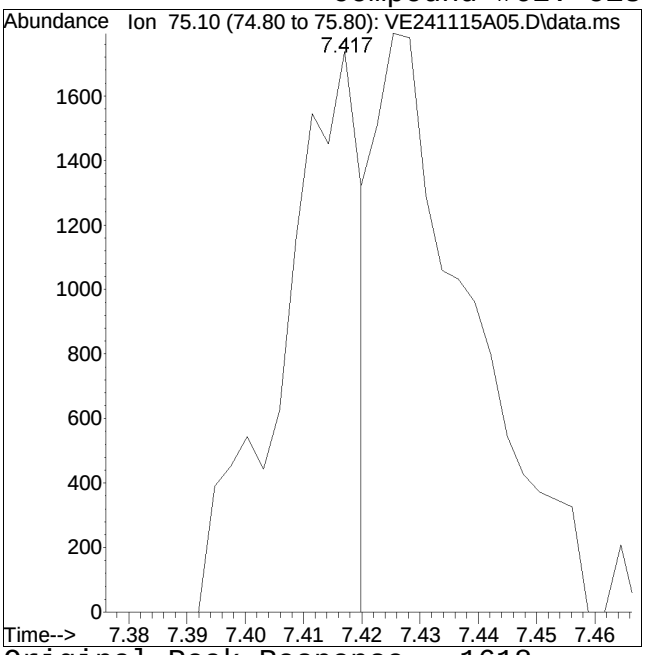
Original Peak Response = 427 Manual Peak Response = 1268 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

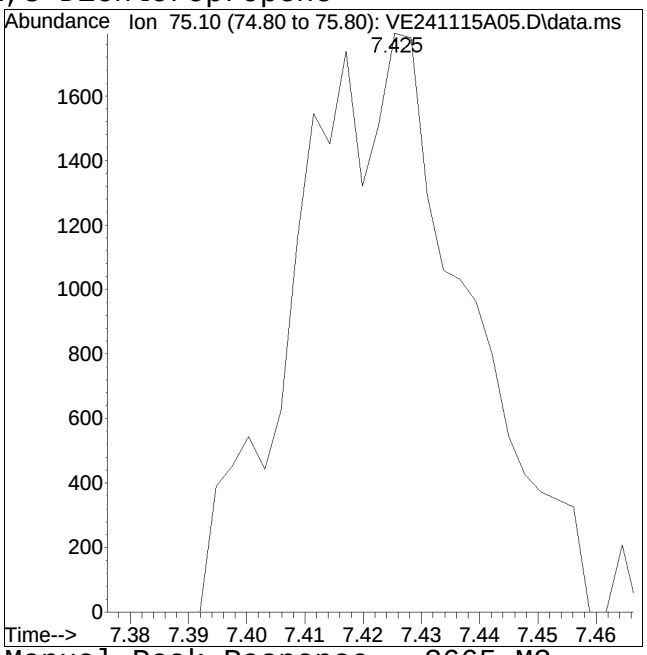
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #62: cis-1,3-Dichloropropene



Original Peak Response = 1618



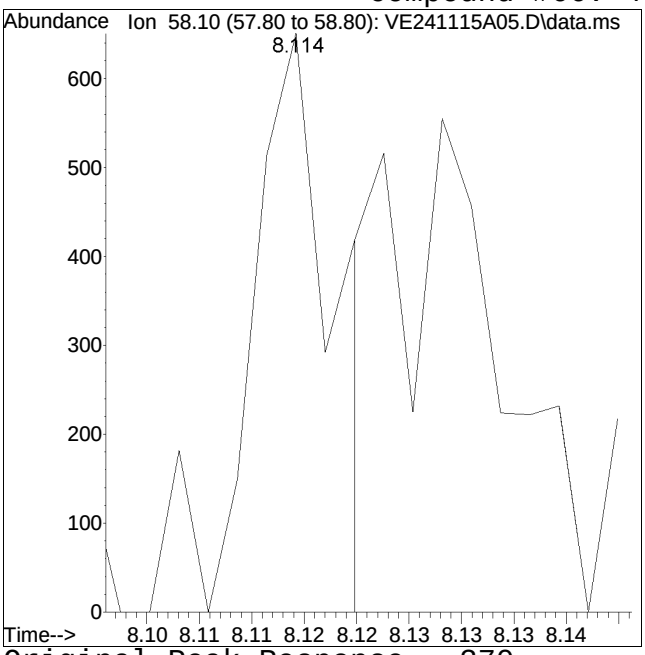
Manual Peak Response = 3665 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

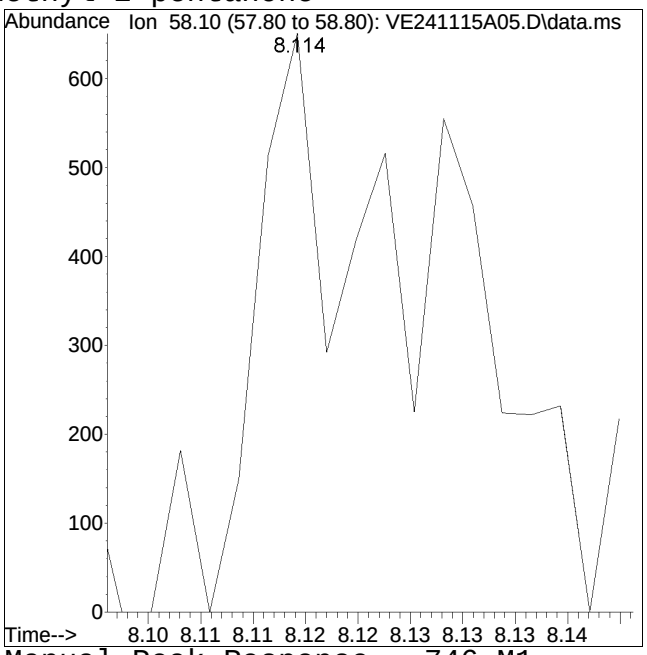
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #66: 4-Methyl-2-pentanone



Original Peak Response = 370



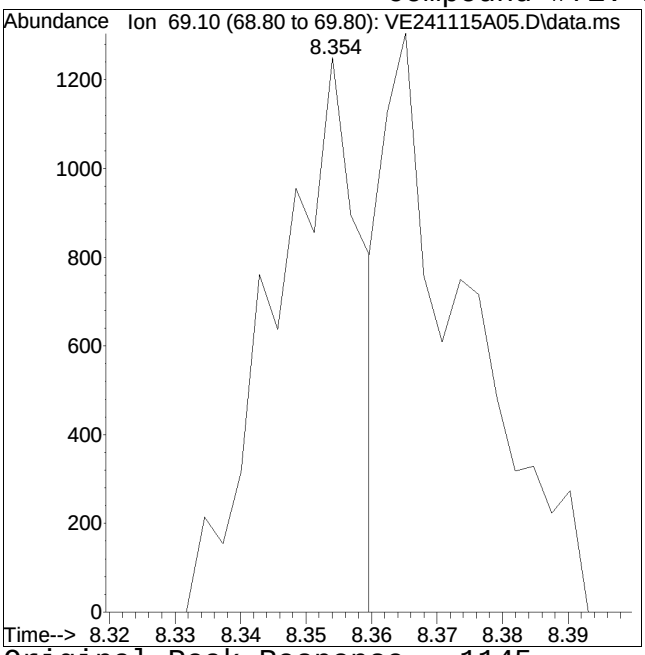
Manual Peak Response = 746 M1

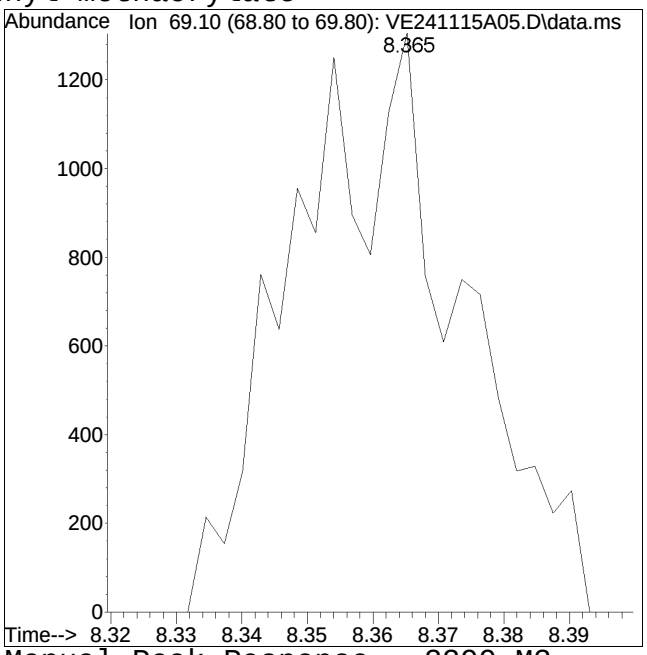
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #71: Ethyl methacrylate





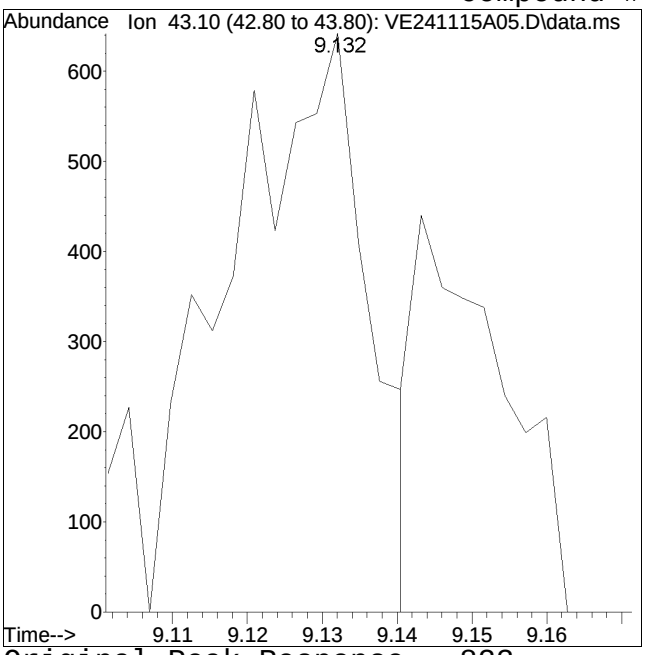
Original Peak Response = 1145 Manual Peak Response = 2299 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

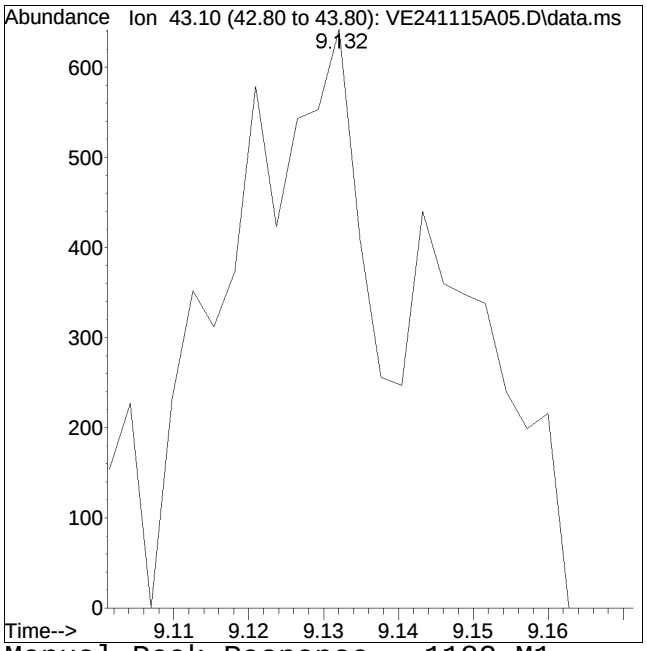
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #77: 2-Hexanone



Original Peak Response = 823



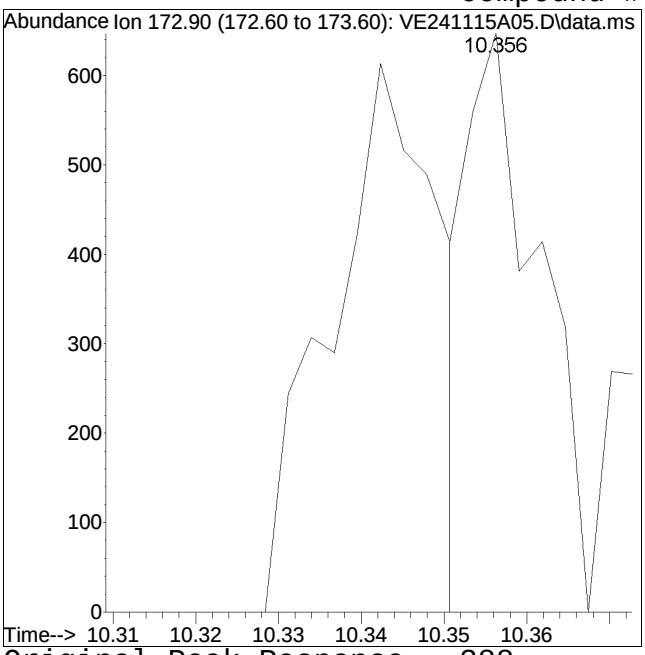
Manual Peak Response = 1182 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

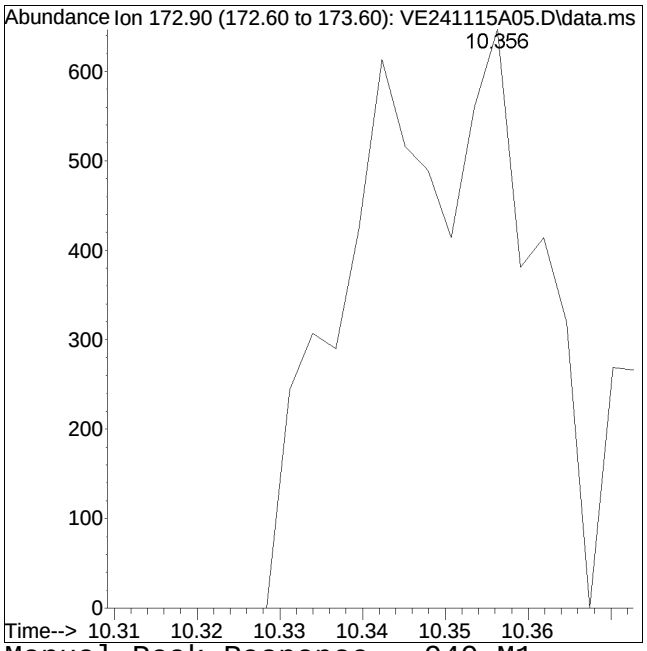
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #85: Bromoform



Original Peak Response = 388



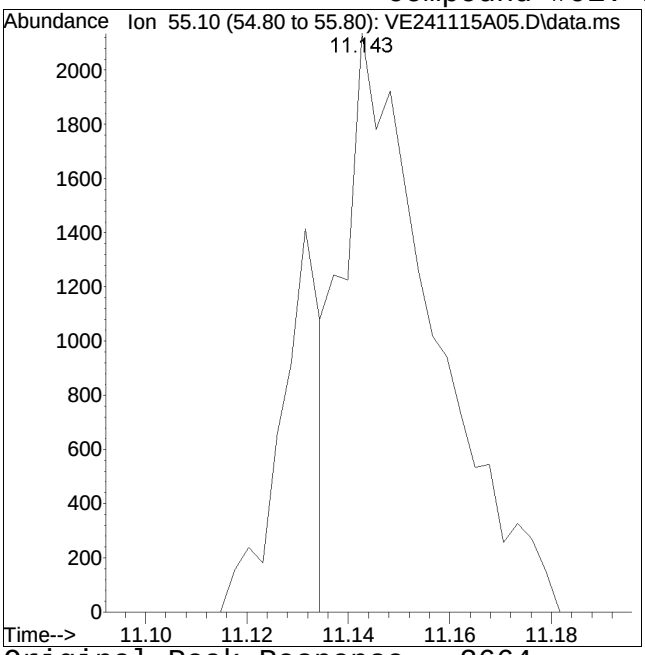
Manual Peak Response = 940 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

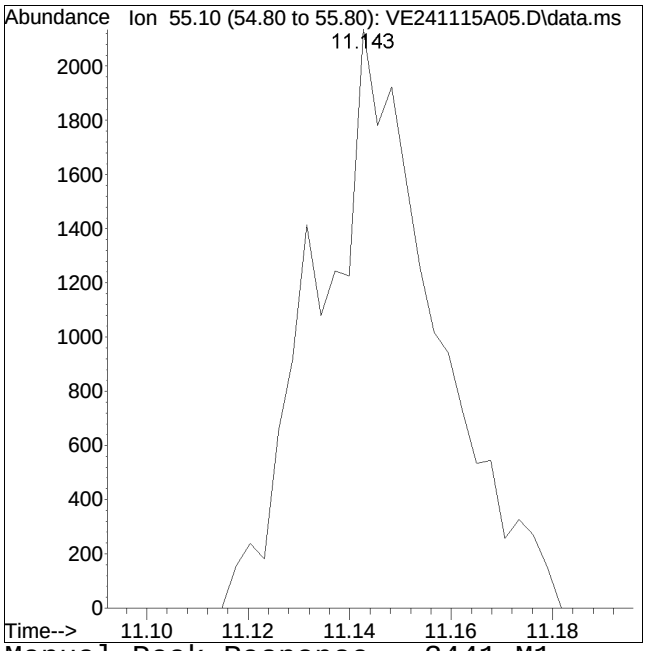
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #91: 1,4-Dichlorobutane



Original Peak Response = 2664



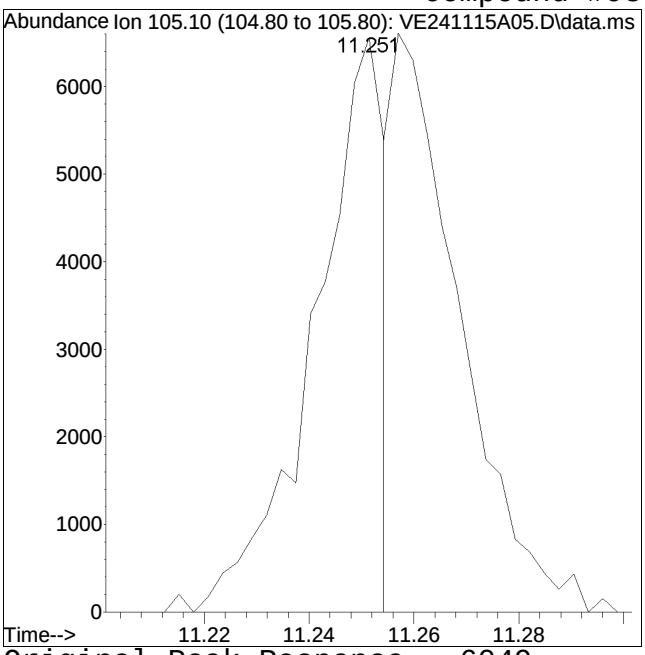
Manual Peak Response = 3441 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

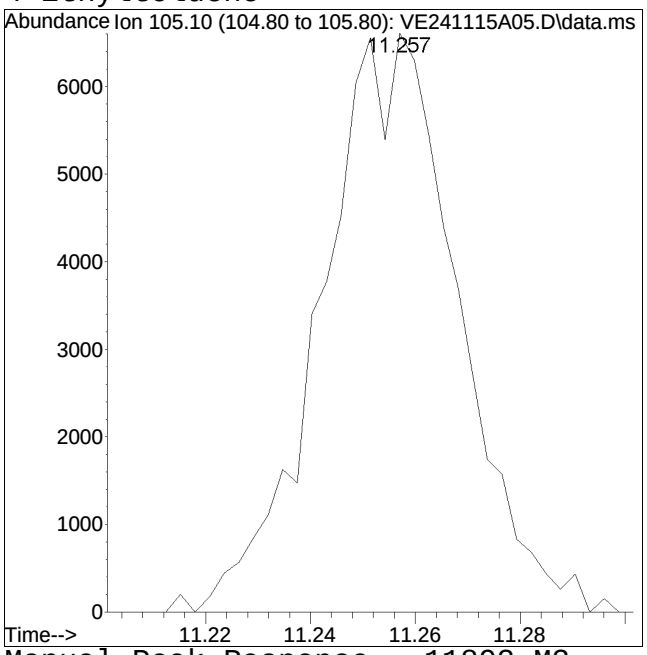
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #93: 4-Ethyltoluene



Original Peak Response = 6049



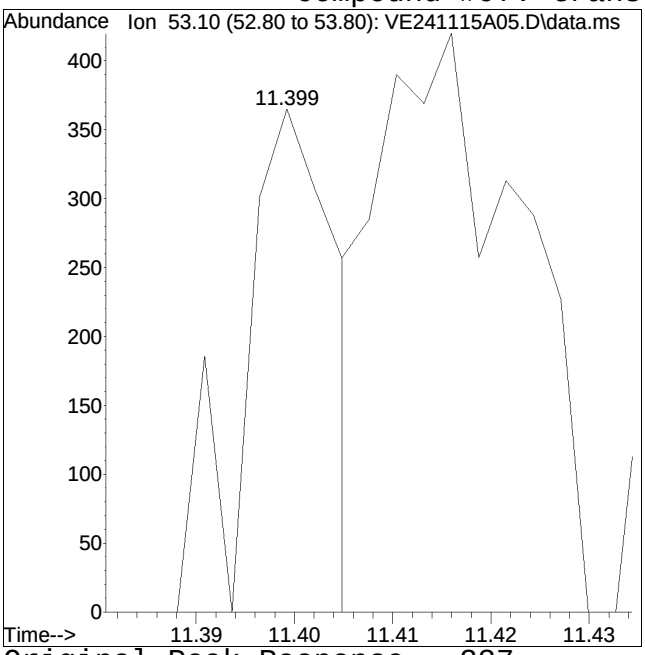
Manual Peak Response = 11892 M3

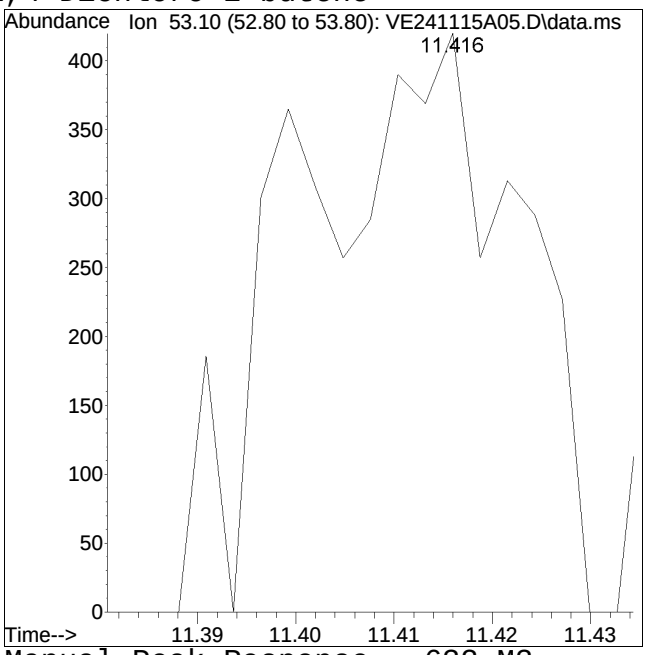
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #97: trans-1,4-Dichloro-2-butene





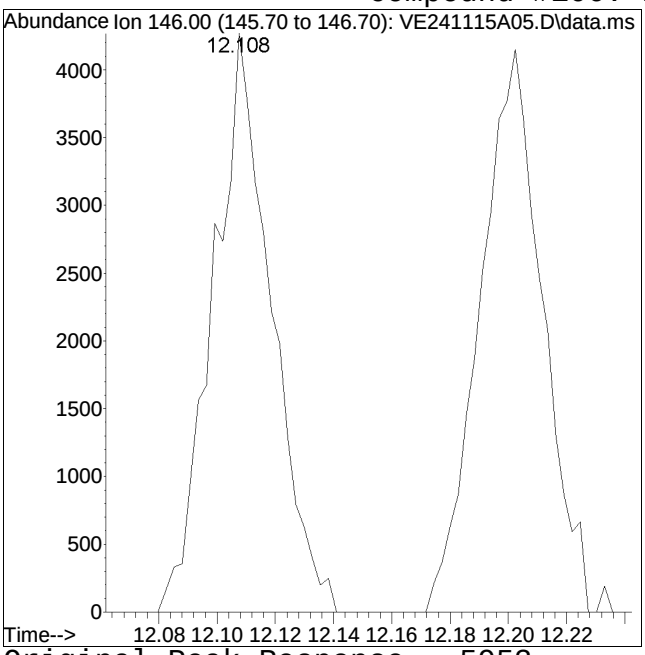
Original Peak Response = 237 Manual Peak Response = 632 M3

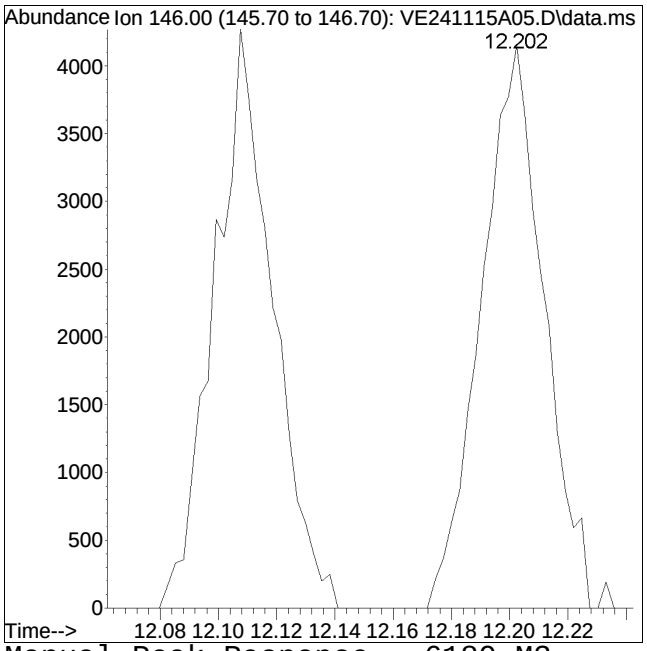
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #106: 1,4-Dichlorobenzene



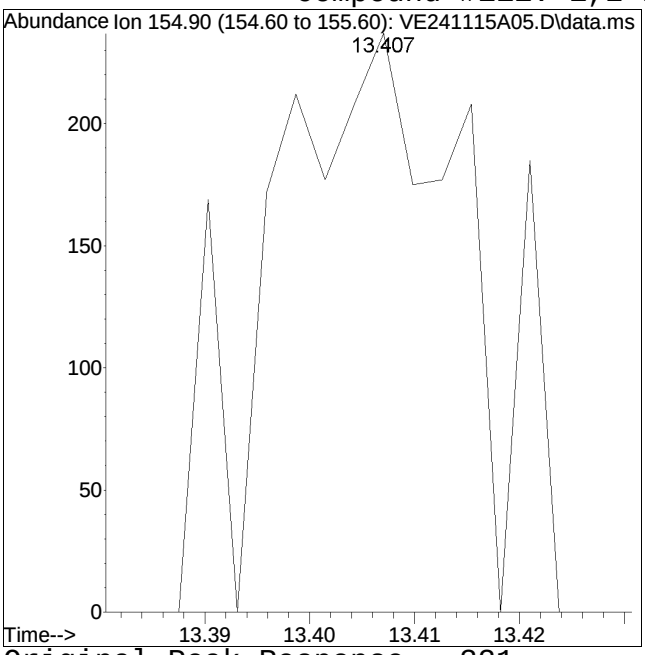


Original Peak Response = 5953 Manual Peak Response = 6189 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

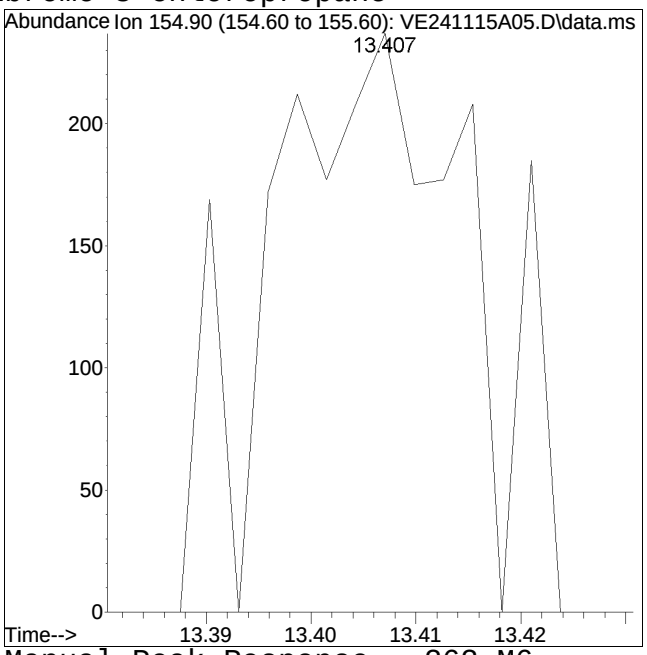
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #111: 1,2-Dibromo-3-chloropropane



Original Peak Response = 321



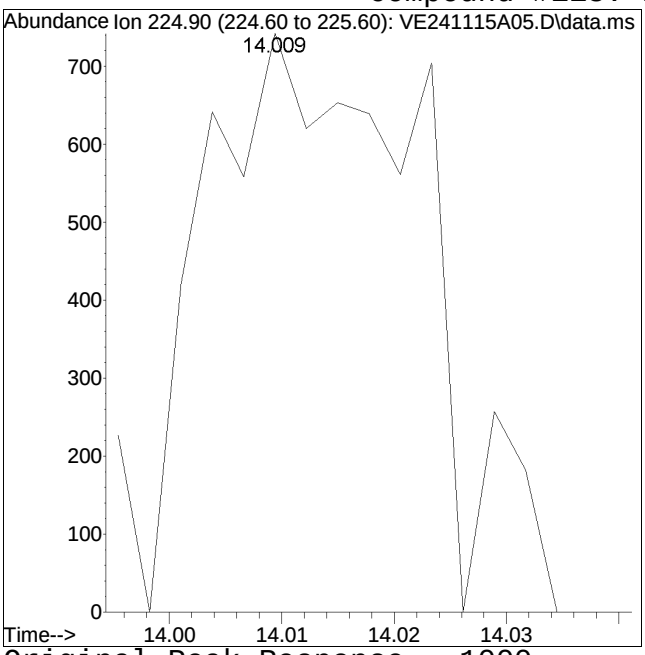
Manual Peak Response = 262 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

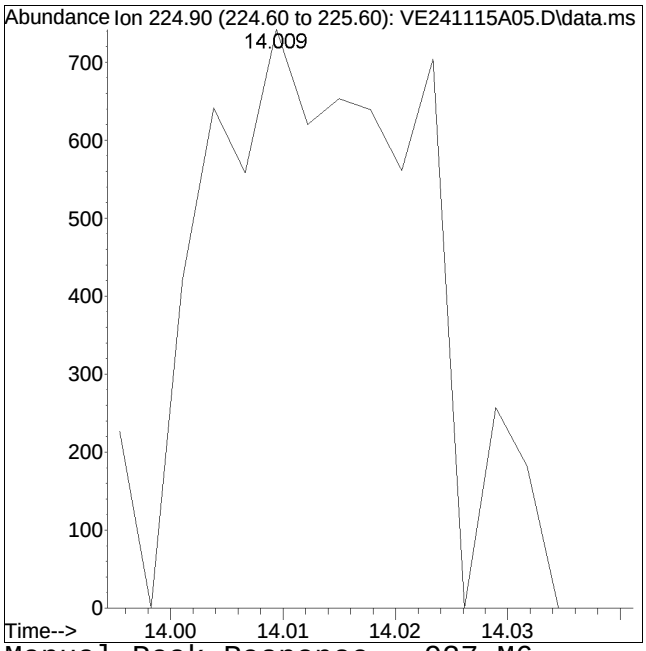
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A05.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 3:41 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 11/15/2024 11:45 am

Compound #113: Hexachlorobutadiene



Original Peak Response = 1000



Manual Peak Response = 927 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A07.D
Acq On : 15 Nov 2024 4:30 am
Operator : ELAINE:PID
Sample : I8260STD2PPB
Misc : WG1998028,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 11:45:22 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.939	96	256026	10.000 ug/L	0.00
Standard Area 1 = 258108			Recovery = 99.19%		
63) Chlorobenzene-d5	9.472	117	185763	10.000 ug/L	0.00
Standard Area 1 = 187202			Recovery = 99.23%		
84) 1,4-Dichlorobenzene-d4	12.185	152	96026	10.000 ug/L	0.00
Standard Area 1 = 99398			Recovery = 96.61%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.130	113	59695	10.169 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.69%		
47) 1,2-Dichloroethane-d4	5.657	65	70752	10.186 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.86%		
64) Toluene-d8	7.626	98	254300	10.038 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.38%		
88) 4-Bromofluorobenzene	10.972	95	88843	10.070 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.70%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.586	85	11074M1	1.936 ug/L	
3) Chloromethane	1.773	50	11816	2.091 ug/L	98
4) Vinyl chloride	1.848	62	12457	2.068 ug/L	98
5) Bromomethane	2.155	94	9363	2.215 ug/L	99
6) Chloroethane	2.277	64	8982	2.060 ug/L	94
7) Trichlorofluoromethane	2.408	101	17374M1	1.977 ug/L	
8) Ethyl ether	2.696	74	5084	1.871 ug/L #	85
10) 1,1-Dichloroethene	2.894	96	8698	1.944 ug/L	98
11) Carbon disulfide	2.922	76	26426	1.966 ug/L	96
12) Freon-113	2.936	101	9774M3	2.071 ug/L	
13) Iodomethane	3.028	142	6670	1.623 ug/L #	71
14) Acrolein	3.209	56	1060M3	1.940 ug/L	
15) Methylene chloride	3.443	84	11789	2.110 ug/L	81
17) Acetone	3.474	43	2497M1	2.271 ug/L	
18) trans-1,2-Dichloroethene	3.594	96	9751	1.957 ug/L	95
19) Methyl acetate	3.599	43	5071	2.065 ug/L #	89
21) Methyl tert-butyl ether	3.694	73	25513M3	1.915 ug/L	
22) tert-Butyl alcohol	3.780	59	3342M3	9.954 ug/L	
24) Diisopropyl ether	4.054	45	32368	1.937 ug/L #	47
25) 1,1-Dichloroethane	4.176	63	19984M1	2.006 ug/L	
26) Halothane	4.229	117	7472M3	1.944 ug/L	

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A07.D
Acq On : 15 Nov 2024 4:30 am
Operator : ELAINE:PID
Sample : I8260STD2PPB
Misc : WG1998028,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 11:45:22 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.227	53	2753M1	2.043	ug/L		
28) Ethyl tert-butyl ether	4.397	59	33443M3	1.910	ug/L		
29) Vinyl acetate	4.405	43	20622M4	1.783	ug/L		
30) cis-1,2-Dichloroethene	4.695	96	11552M1	2.031	ug/L		
31) 2,2-Dichloropropane	4.801	77	15245M3	1.940	ug/L		
33) Bromochloromethane	4.888	128	5263M1	2.031	ug/L		
34) Cyclohexane	4.885	56	19799	1.955	ug/L		84
35) Chloroform	4.955	83	18840M1	2.016	ug/L		
36) Ethyl acetate	5.063	43	7327	1.877	ug/L	#	83
37) Carbon tetrachloride	5.094	117	12781	1.886	ug/L	#	88
38) Tetrahydrofuran	5.105	42	2201M4	2.034	ug/L		
40) 1,1,1-Trichloroethane	5.155	97	16092M1	1.950	ug/L		
42) 2-Butanone	5.247	43	3359M1	2.143	ug/L		
43) 1,1-Dichloropropene	5.272	75	14047	1.943	ug/L		93
45) Benzene	5.523	78	45474	1.997	ug/L		94
46) tert-Amyl methyl ether	5.635	73	27949	1.907	ug/L		94
48) 1,2-Dichloroethane	5.727	62	14546	2.009	ug/L		98
51) Methyl cyclohexane	6.109	83	19776	1.950	ug/L		85
52) Trichloroethene	6.117	95	11194	2.073	ug/L	#	66
54) Dibromomethane	6.561	93	6367	2.064	ug/L		88
55) 1,2-Dichloropropane	6.658	63	11698	2.022	ug/L		92
57) 2-Chloroethyl vinyl ether	7.353	63	6799	1.998	ug/L	#	50
58) Bromodichloromethane	6.736	83	14455M3	1.925	ug/L		
61) 1,4-Dioxane	6.940	88	14952	395.551	ug/L	#	48
62) cis-1,3-Dichloropropene	7.422	75	16731	1.931	ug/L		93
65) Toluene	7.685	92	29523	2.022	ug/L		96
66) 4-Methyl-2-pentanone	8.117	58	2699	1.759	ug/L	#	86
67) Tetrachloroethene	8.134	166	11806	2.012	ug/L		96
69) trans-1,3-Dichloropropene	8.175	75	14271	1.974	ug/L		81
71) Ethyl methacrylate	8.359	69	10301	1.868	ug/L	#	31
72) 1,1,2-Trichloroethane	8.357	83	7675	2.000	ug/L	#	68
73) Chlorodibromomethane	8.569	129	9302	1.807	ug/L		91
74) 1,3-Dichloropropane	8.680	76	15628	1.973	ug/L		99
75) 1,2-Dibromoethane	8.839	107	9122	2.007	ug/L		91
77) 2-Hexanone	9.121	43	4482M1	1.819	ug/L		
78) Chlorobenzene	9.489	112	31340	2.020	ug/L	#	72
79) Ethylbenzene	9.528	91	55099	1.975	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.567	131	9997	1.941	ug/L		97
81) p/m Xylene	9.720	106	42351	3.944	ug/L		96
82) o Xylene	10.261	106	40753	3.892	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A07.D
Acq On : 15 Nov 2024 4:30 am
Operator : ELAINE:PID
Sample : I8260STD2PPB
Misc : WG1998028,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 11:45:22 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.325	104	67127	3.797	ug/L		95
85) Bromoform	10.353	173	4894	1.724	ug/L		92
87) Isopropylbenzene	10.646	105	56921	2.007	ug/L		98
89) Bromobenzene	11.078	156	12488	1.972	ug/L		93
90) n-Propylbenzene	11.129	91	63590	1.976	ug/L		95
91) 1,4-Dichlorobutane	11.148	55	15291	2.029	ug/L		95
92) 1,1,2,2-Tetrachloroethane	11.221	83	11075	2.022	ug/L		91
93) 4-Ethyltoluene	11.254	105	53675	2.010	ug/L		99
94) 2-Chlorotoluene	11.293	91	39435M1	2.110	ug/L		
95) 1,3,5-Trimethylbenzene	11.352	105	48038	2.033	ug/L		99
96) 1,2,3-Trichloropropane	11.354	75	9313	2.154	ug/L		92
97) trans-1,4-Dichloro-2-b...	11.407	53	3006	1.921	ug/L	#	76
98) 4-Chlorotoluene	11.480	91	39181	2.027	ug/L		96
99) tert-Butylbenzene	11.697	119	39544	2.028	ug/L		95
102) 1,2,4-Trimethylbenzene	11.776	105	46922	1.981	ug/L		93
103) sec-Butylbenzene	11.884	105	58883	1.978	ug/L		99
104) p-Isopropyltoluene	12.043	119	48404	1.963	ug/L		96
105) 1,3-Dichlorobenzene	12.110	146	26025	2.053	ug/L		98
106) 1,4-Dichlorobenzene	12.199	146	26571	2.090	ug/L		98
107) p-Diethylbenzene	12.417	119	27521	1.907	ug/L		93
108) n-Butylbenzene	12.475	91	42501	1.976	ug/L		99
109) 1,2-Dichlorobenzene	12.626	146	24778	2.055	ug/L		100
110) 1,2,4,5-Tetramethylben...	13.212	119	43702	1.890	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.410	155	1208	1.649	ug/L		81
112) 1,3,5-Trichlorobenzene	13.438	180	17051	1.982	ug/L		93
113) Hexachlorobutadiene	14.015	225	4783	2.083	ug/L		88
114) 1,2,4-Trichlorobenzene	14.034	180	15202	2.024	ug/L		99
115) Naphthalene	14.327	128	32576	1.847	ug/L		100
116) 1,2,3-Trichlorobenzene	14.492	180	13117	1.957	ug/L		92

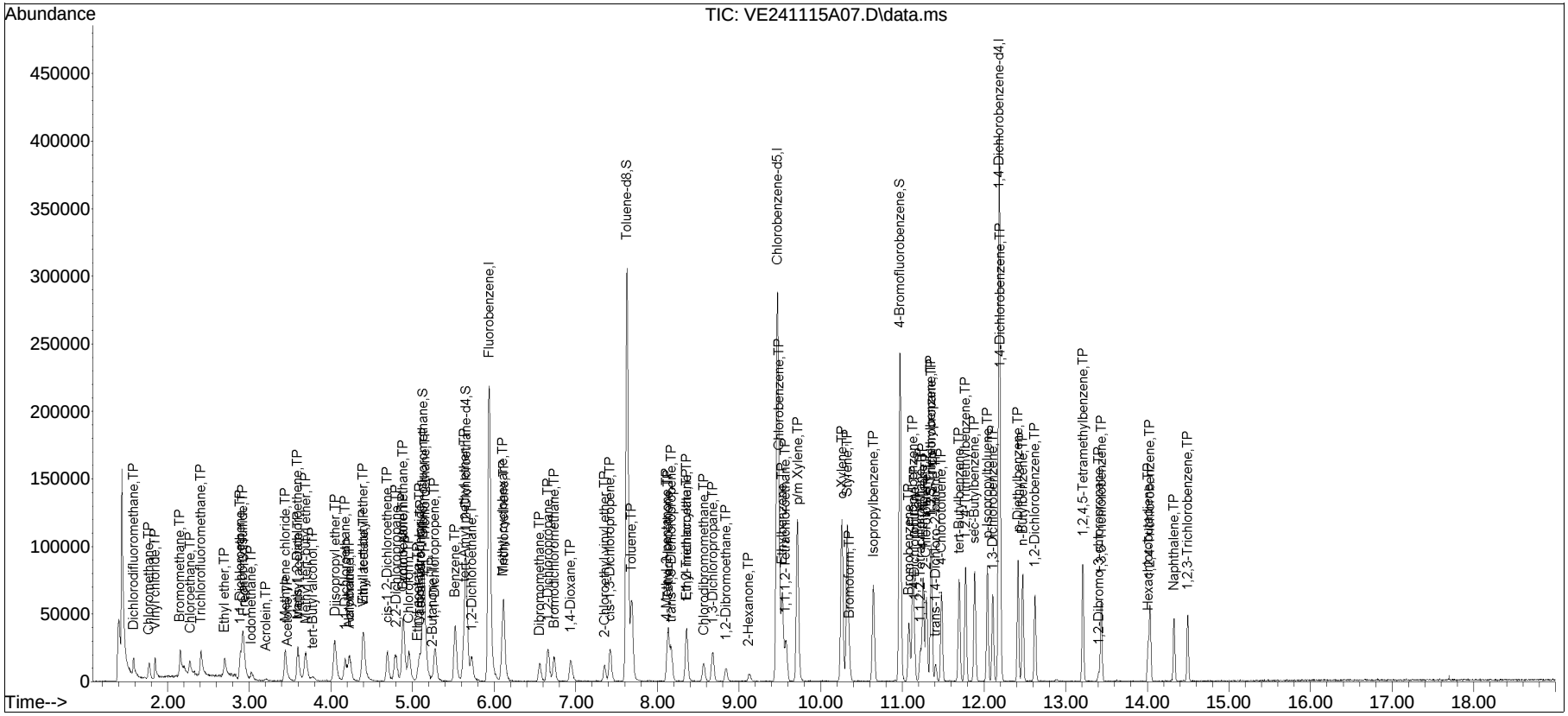
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A07.D
Acq On : 15 Nov 2024 4:30 am
Operator : ELAINE:PID
Sample : I8260STD2PPB
Misc : WG1998028,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 11:45:22 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

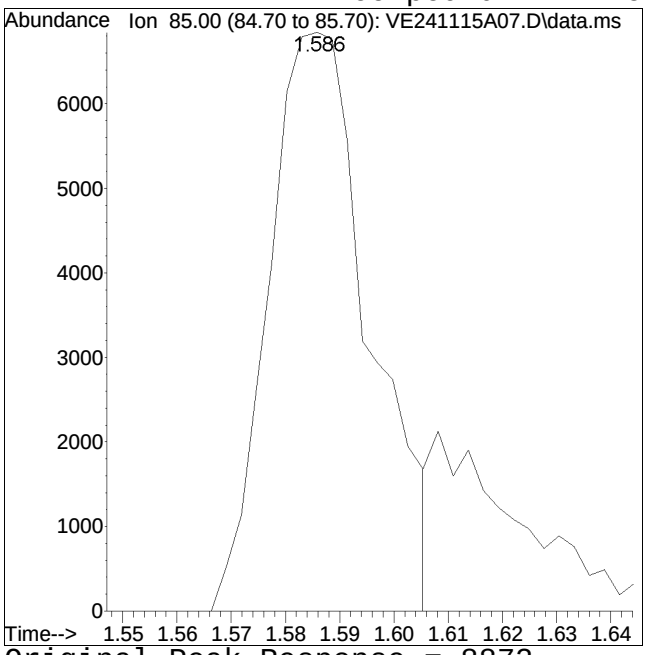
Sub List : 8260-Curve - Megamix plus Diox\VE241115A09.D•

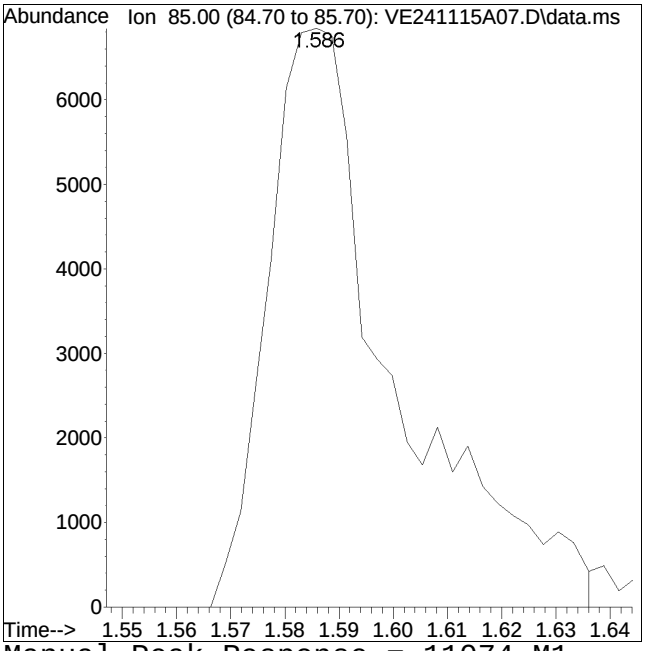


Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #2: Dichlorodifluoromethane



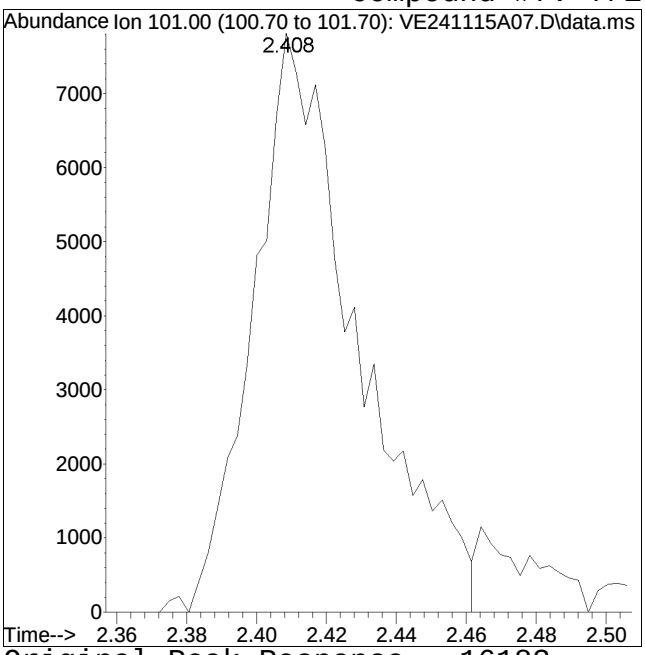


Original Peak Response = 8872 Manual Peak Response = 11074 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

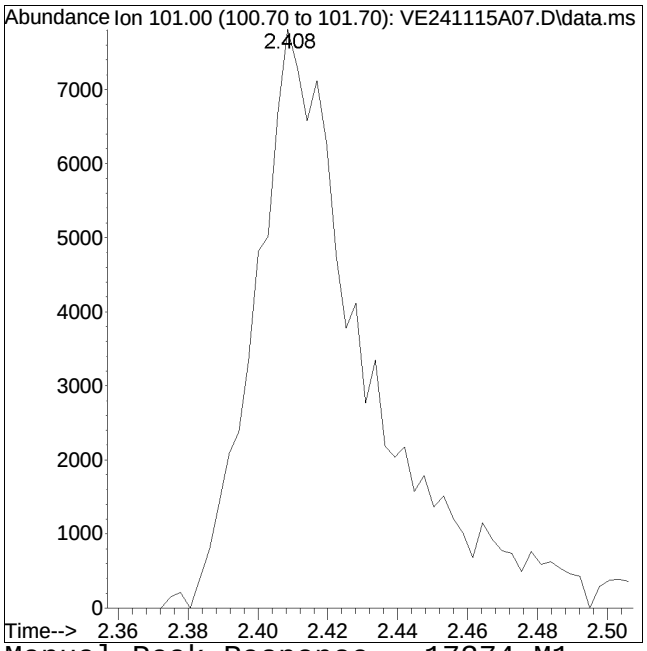
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #7: Trichlorofluoromethane



Original Peak Response = 16183



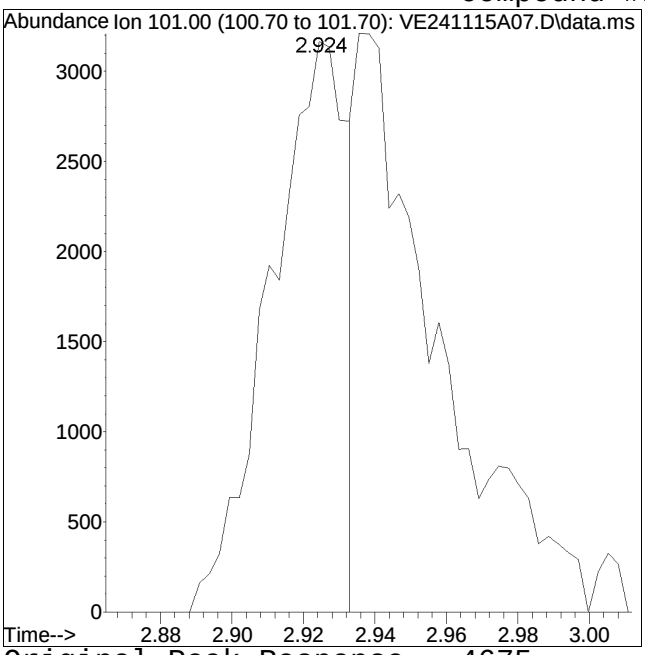
Manual Peak Response = 17374 M1

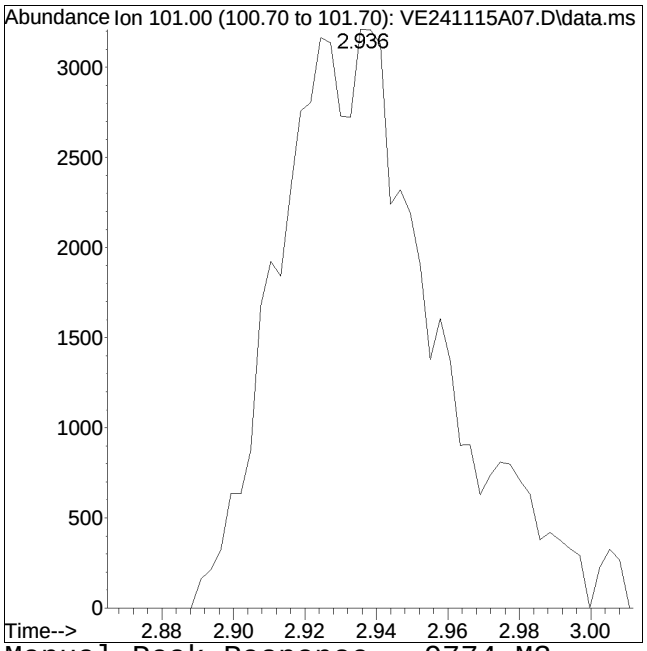
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #12: Freon-113





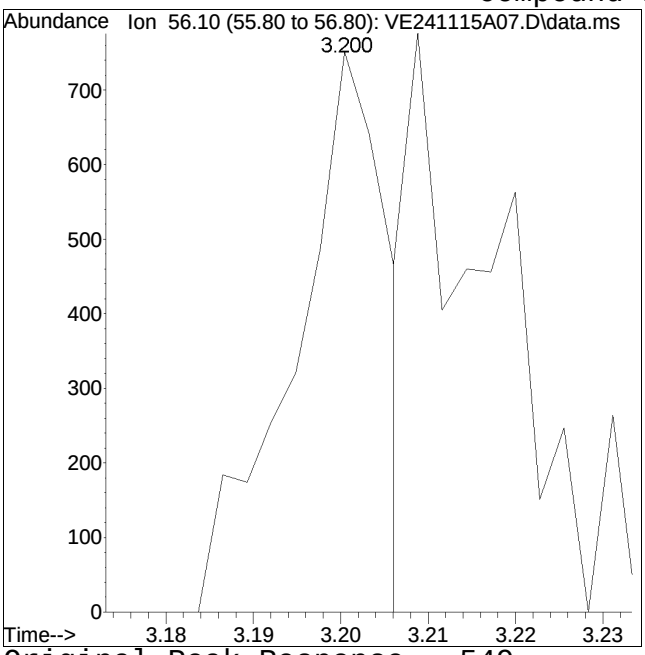
Original Peak Response = 4675 Manual Peak Response = 9774 M3

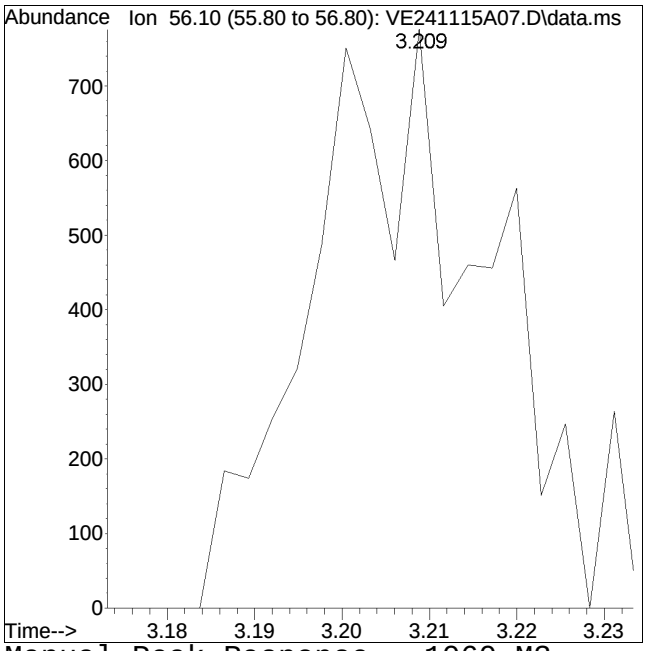
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #14: Acrolein





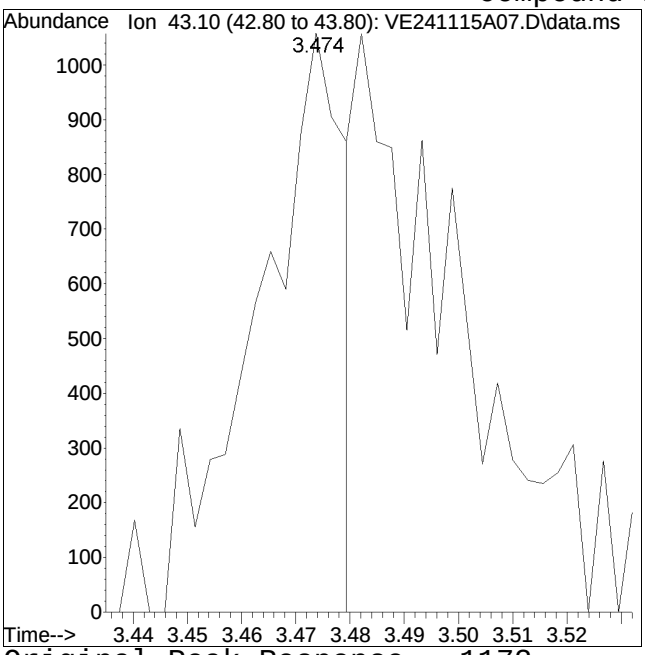
Original Peak Response = 549 Manual Peak Response = 1060 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

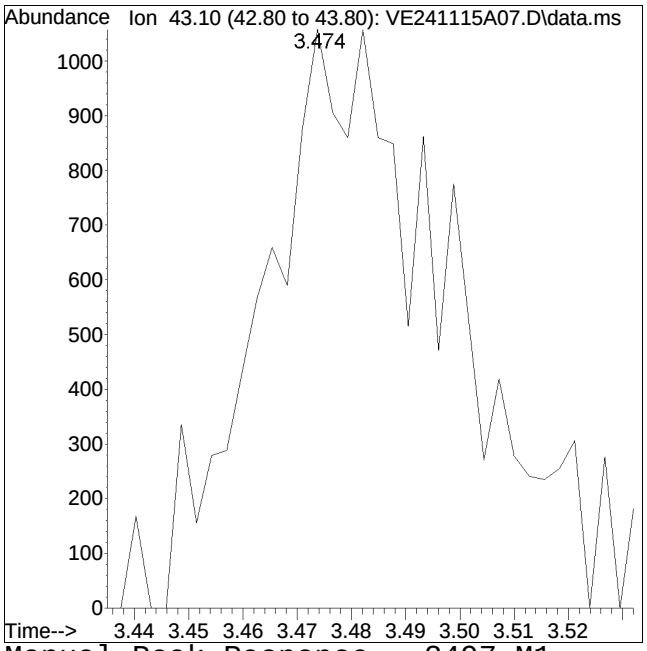
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #17: Acetone



Original Peak Response = 1172



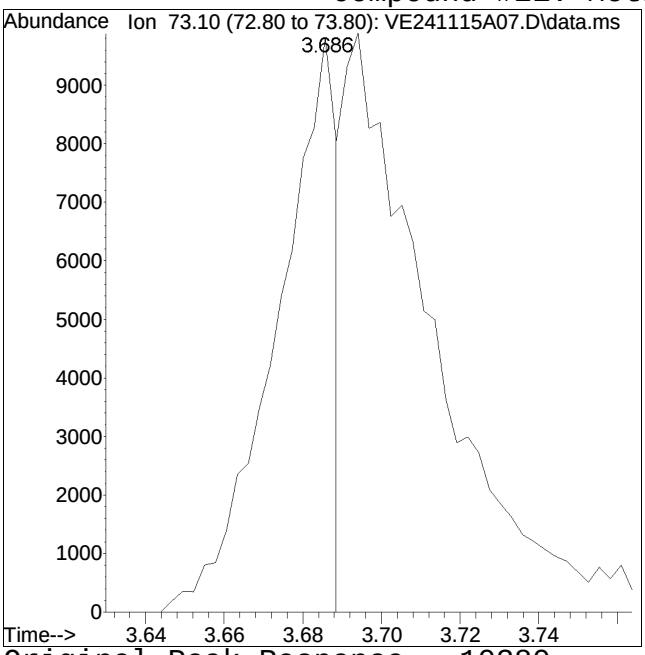
Manual Peak Response = 2497 M1

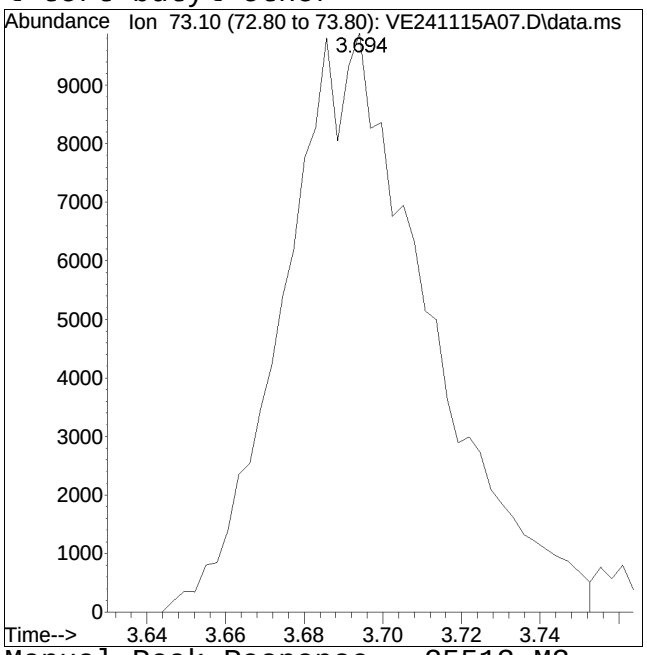
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #21: Methyl tert-butyl ether



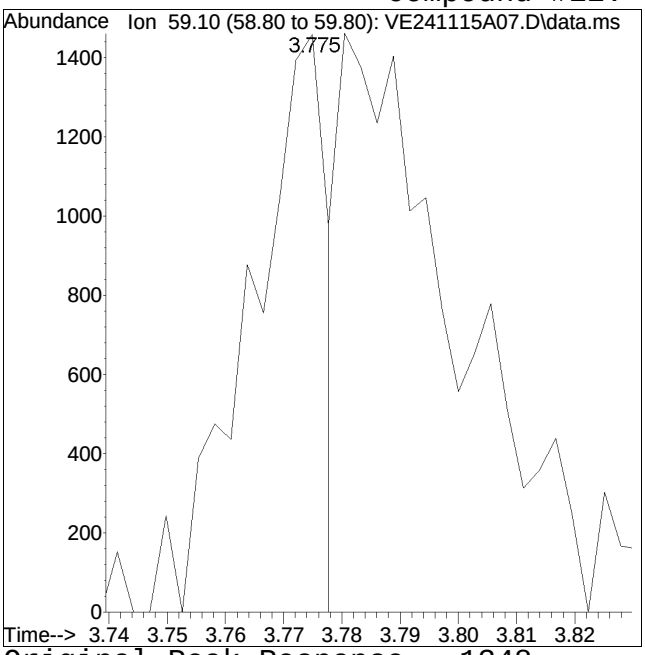


Original Peak Response = 10380 Manual Peak Response = 25513 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

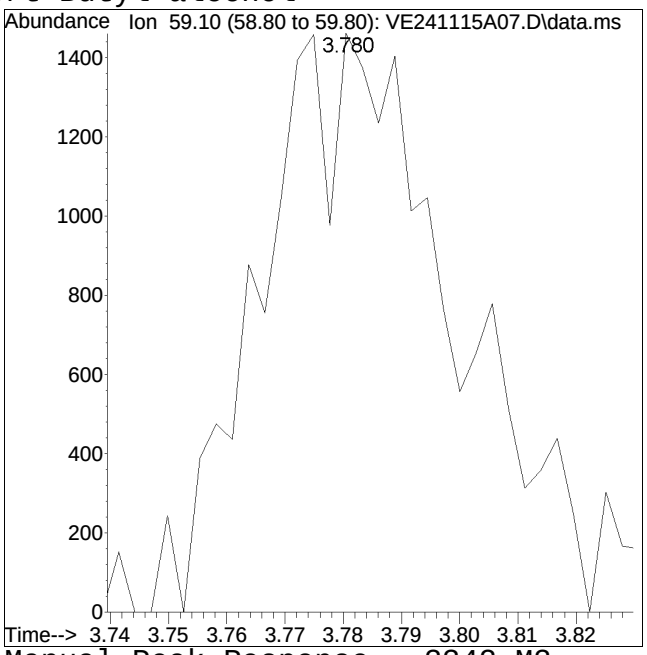
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #22: tert-Butyl alcohol



Original Peak Response = 1348



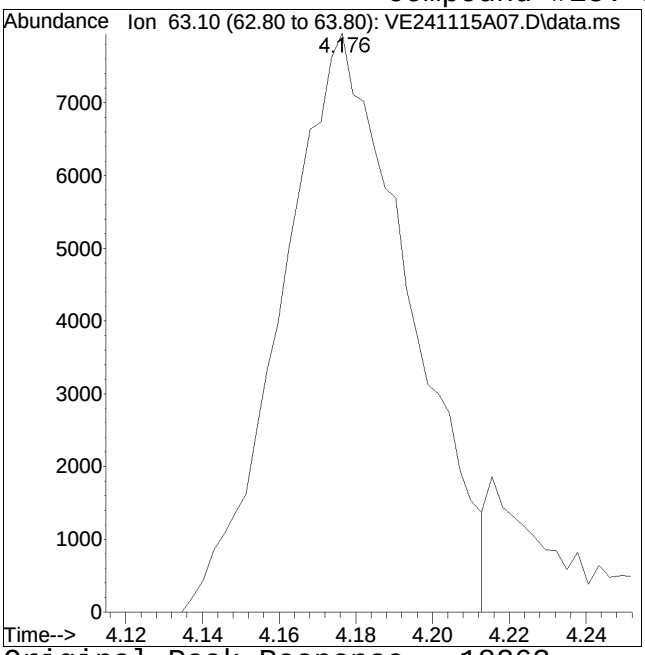
Manual Peak Response = 3342 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

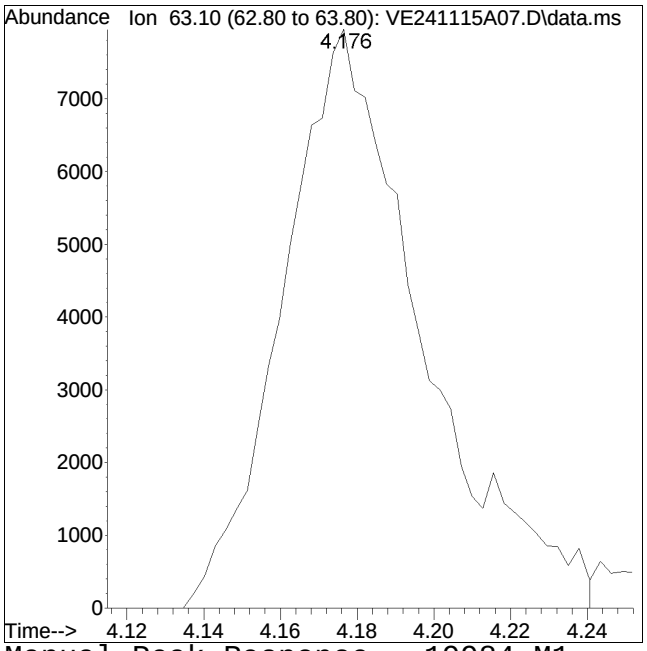
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #25: 1,1-Dichloroethane



Original Peak Response = 18263



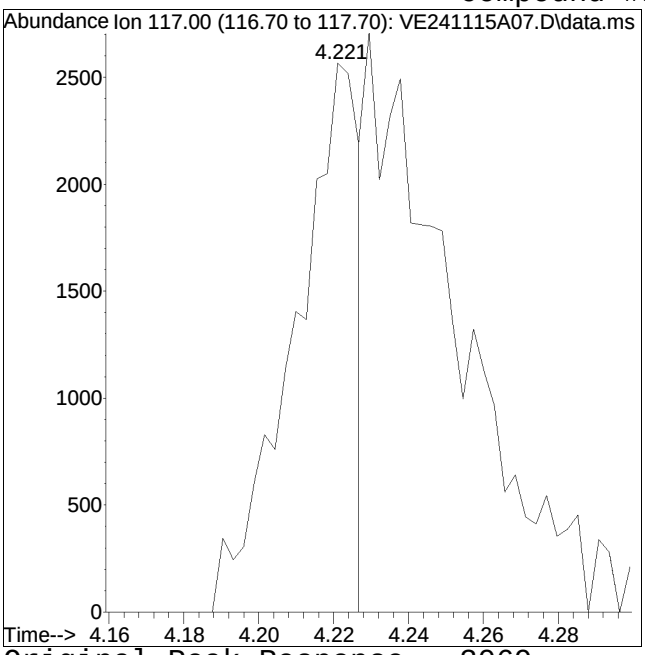
Manual Peak Response = 19984 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

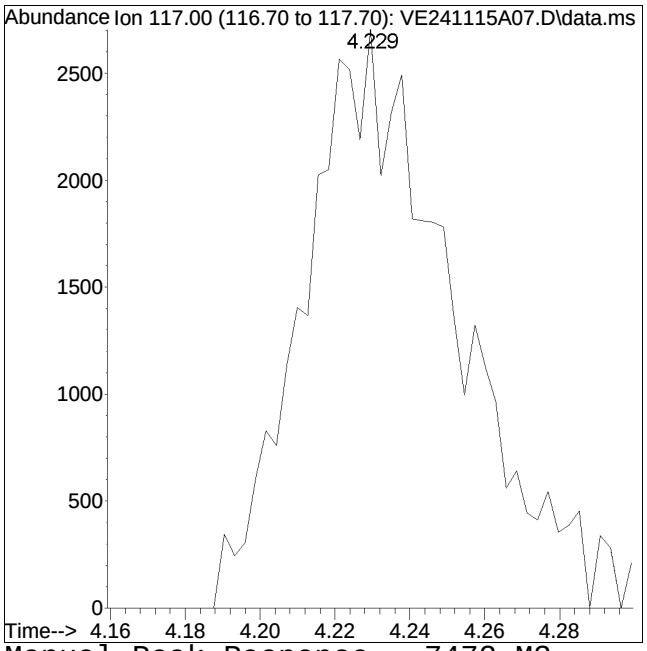
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #26: Halothane



Original Peak Response = 3069



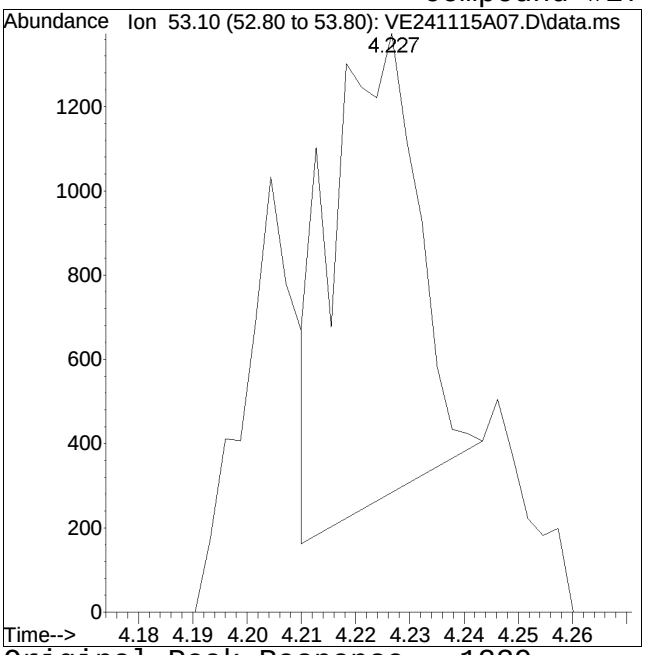
Manual Peak Response = 7472 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

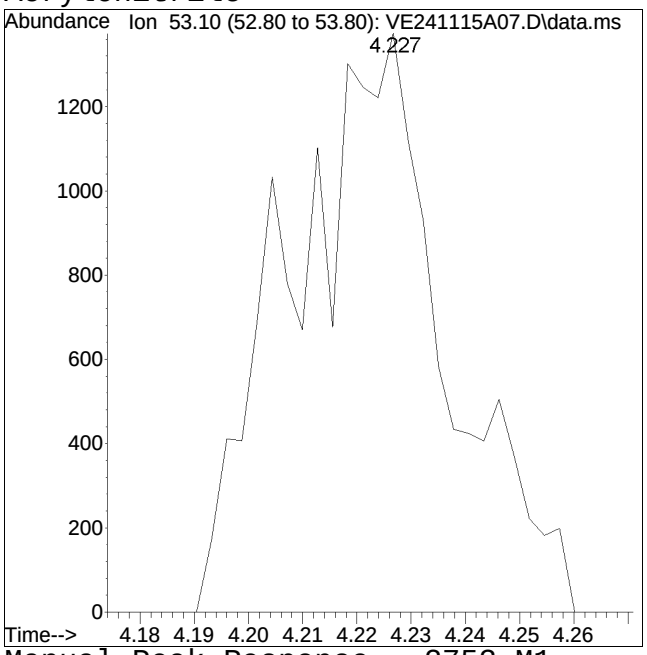
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #27: Acrylonitrile



Original Peak Response = 1239



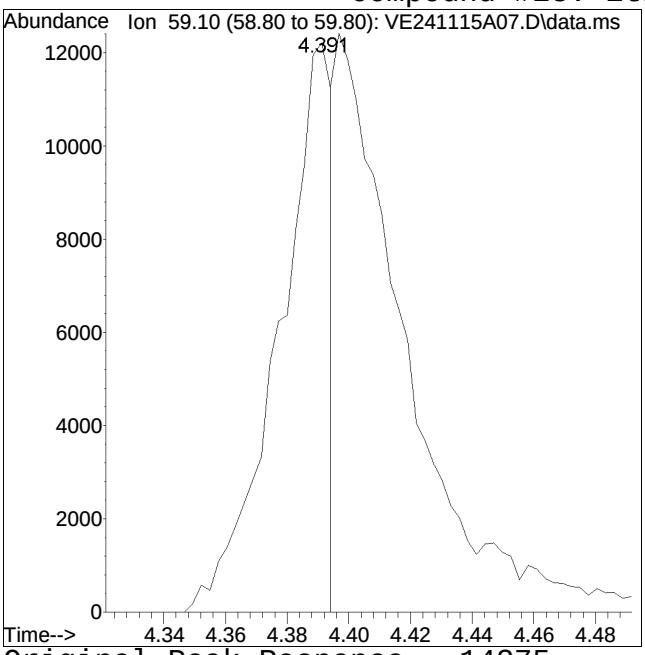
Manual Peak Response = 2753 M1

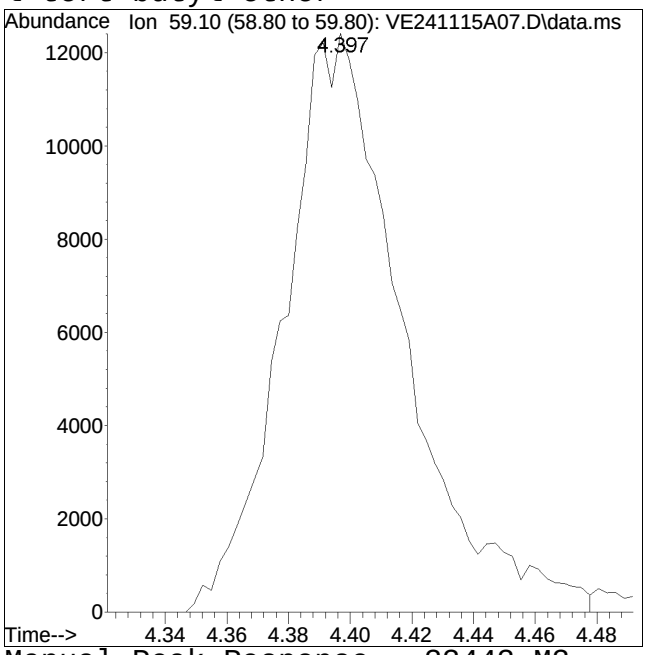
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #28: Ethyl tert-butyl ether





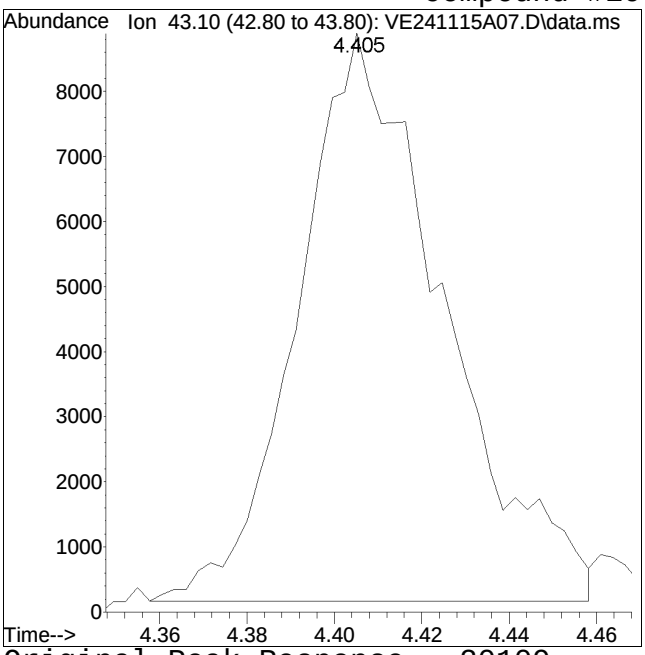
Original Peak Response = 14275 Manual Peak Response = 33443 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

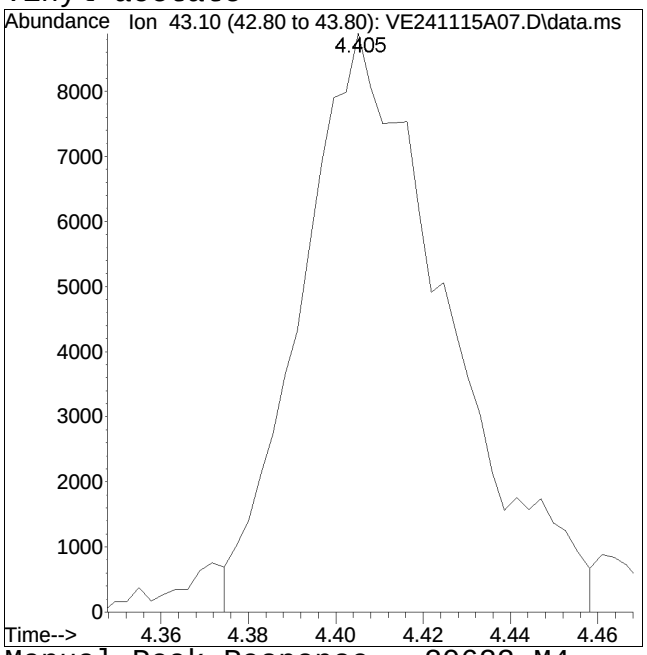
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #29: Vinyl acetate



Original Peak Response = 20109



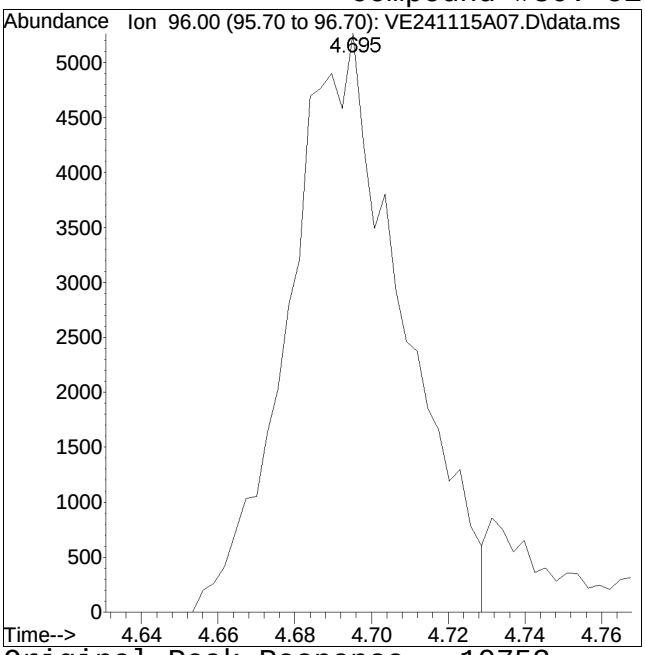
Manual Peak Response = 20622 M4

M4 = Poor automated baseline construction.

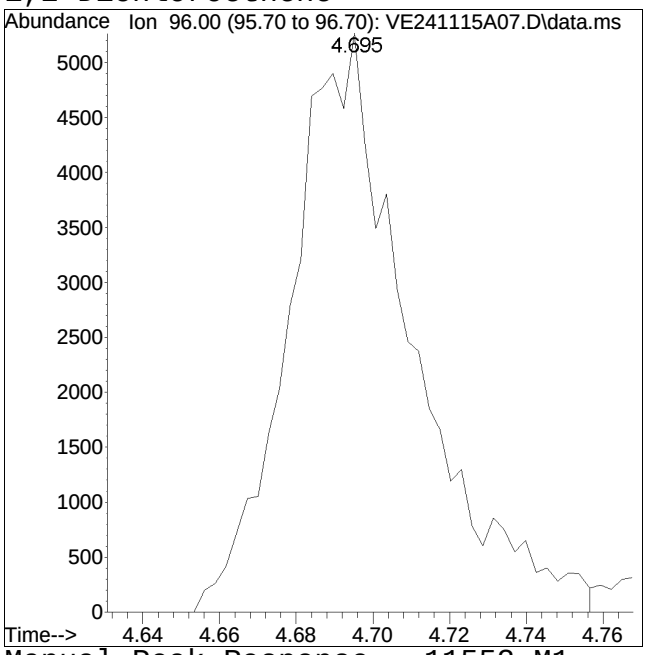
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #30: cis-1,2-Dichloroethene



Original Peak Response = 10753



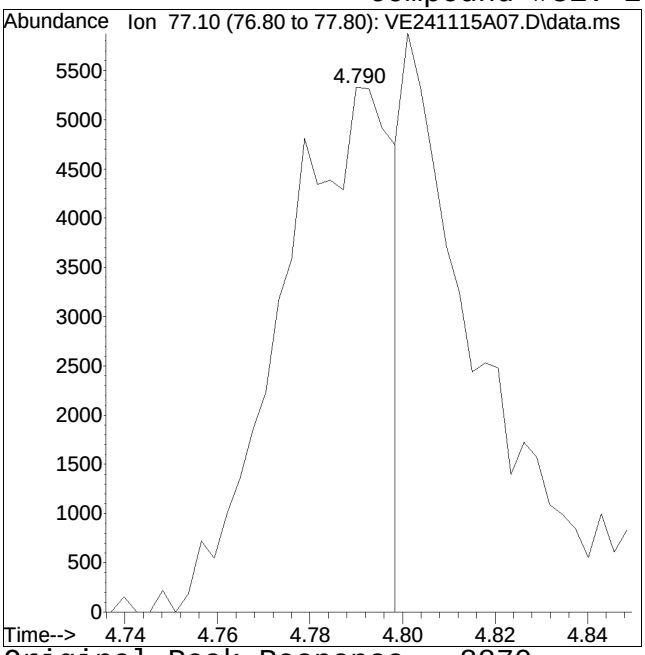
Manual Peak Response = 11552 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

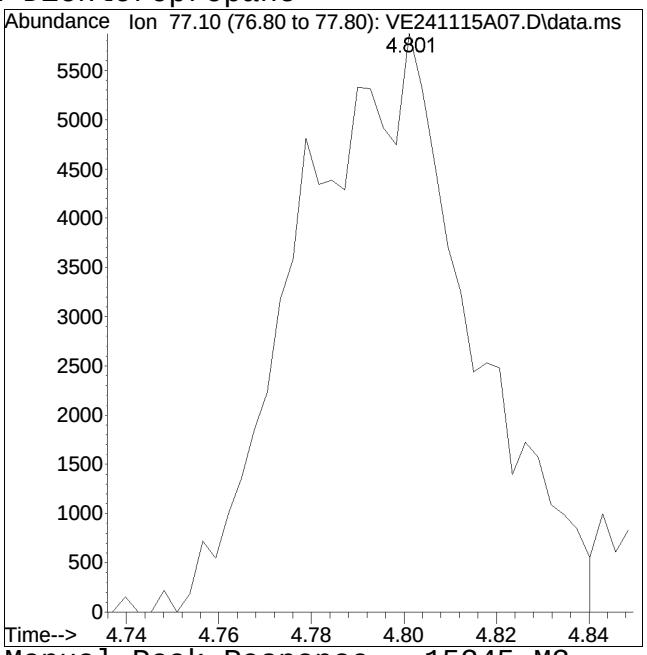
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #31: 2,2-Dichloropropane



Original Peak Response = 8870



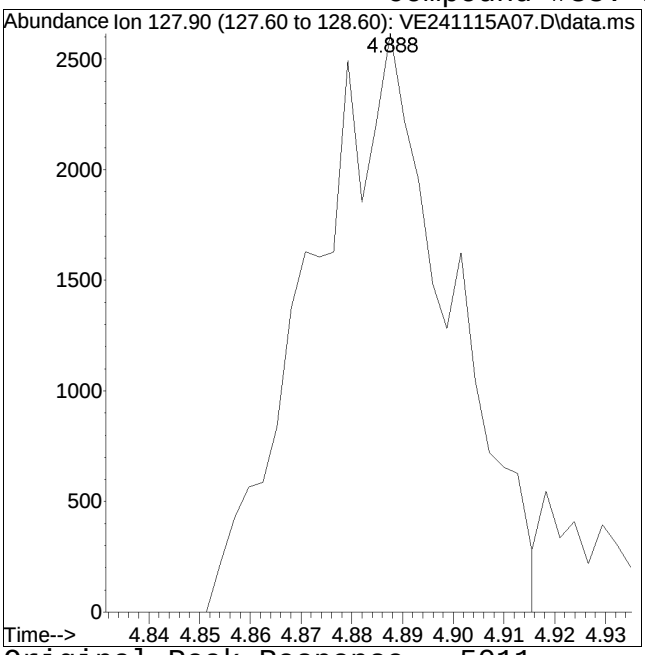
Manual Peak Response = 15245 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

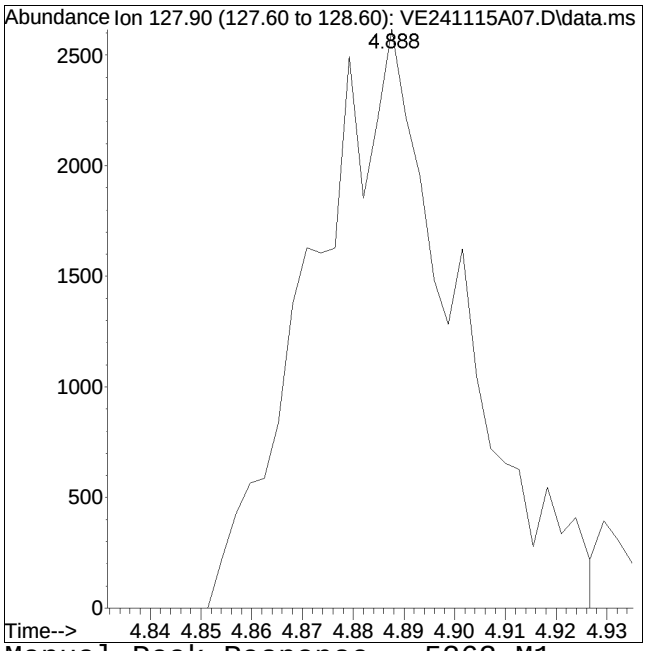
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #33: Bromochloromethane



Original Peak Response = 5011



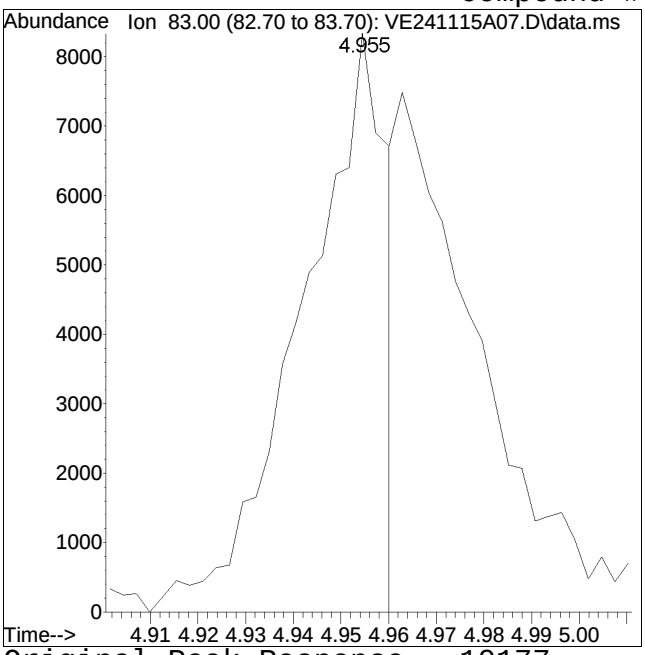
Manual Peak Response = 5263 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

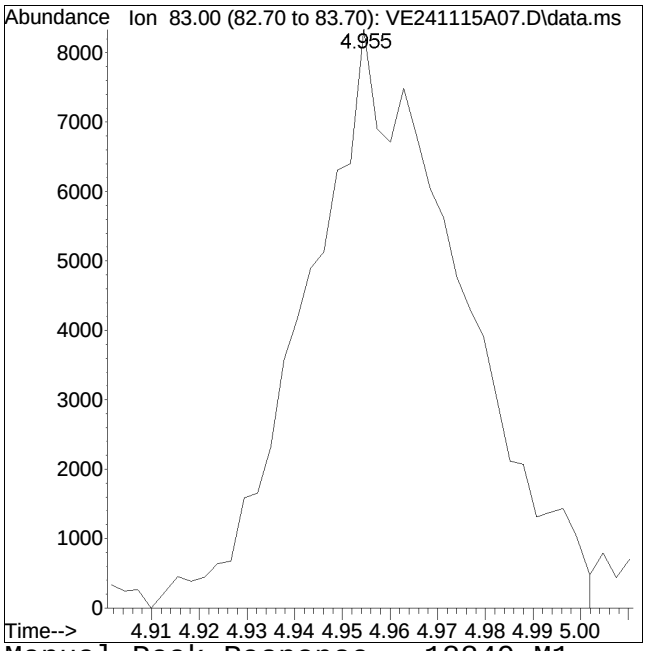
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #35: Chloroform



Original Peak Response = 10177



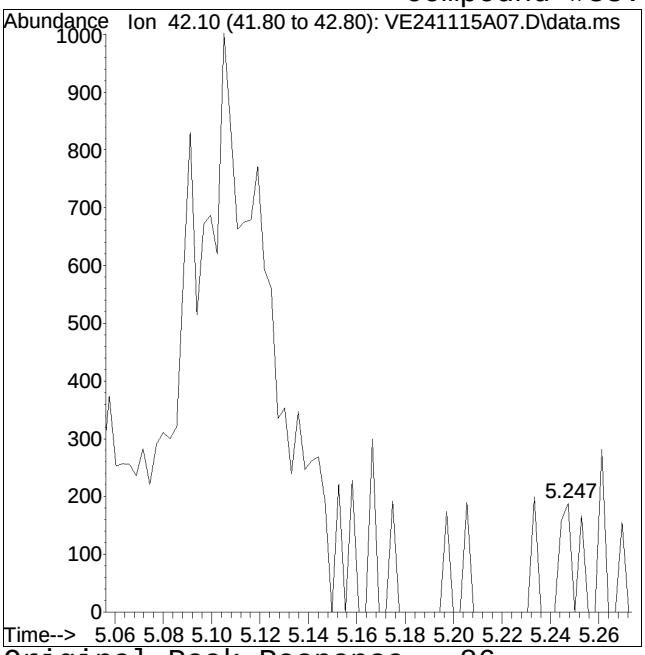
Manual Peak Response = 18840 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

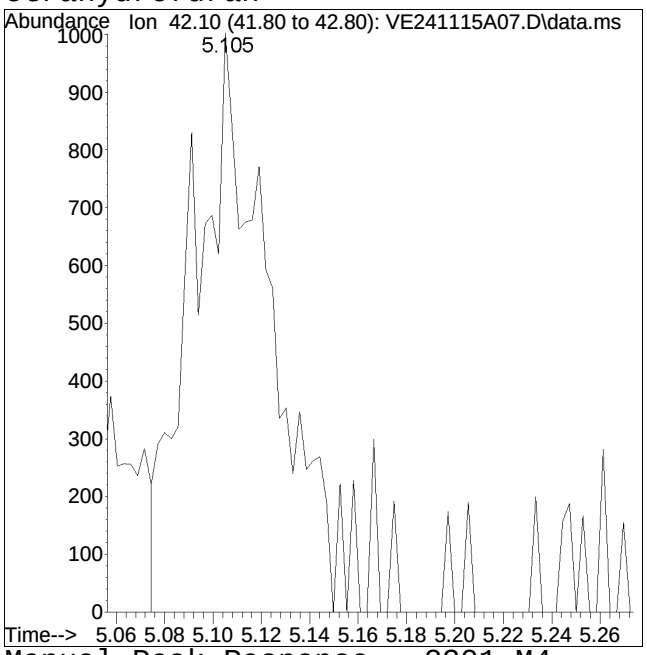
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #38: Tetrahydrofuran



Original Peak Response = 86



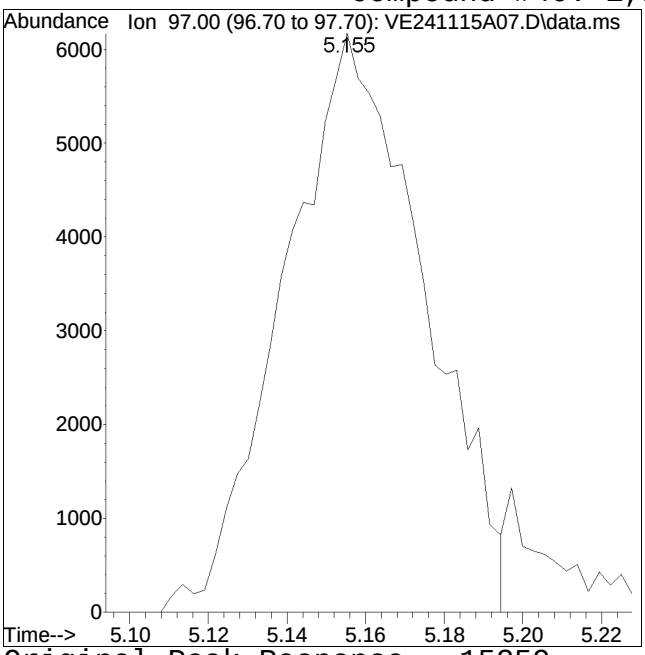
Manual Peak Response = 2201 M4

M4 = Poor automated baseline construction.

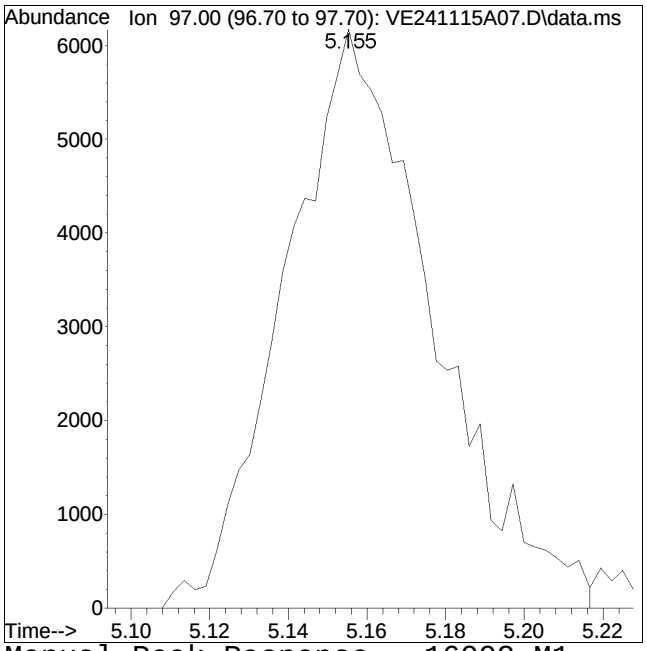
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #40: 1,1,1-Trichloroethane



Original Peak Response = 15259



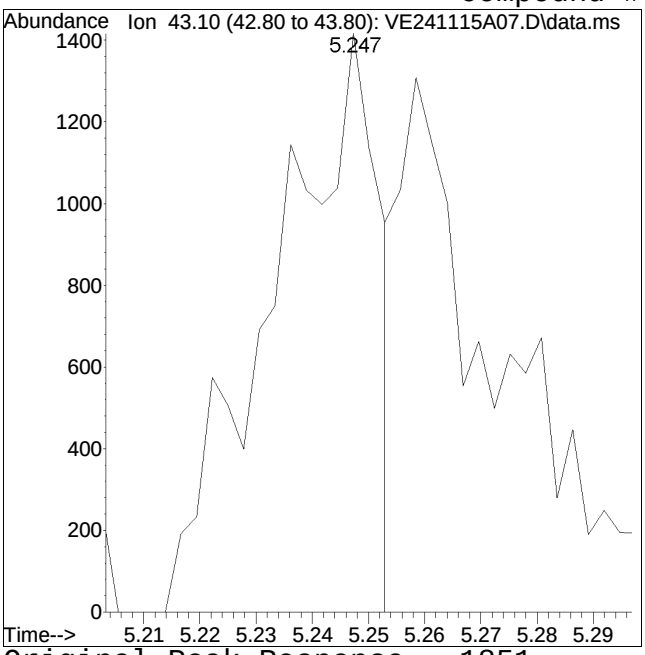
Manual Peak Response = 16092 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

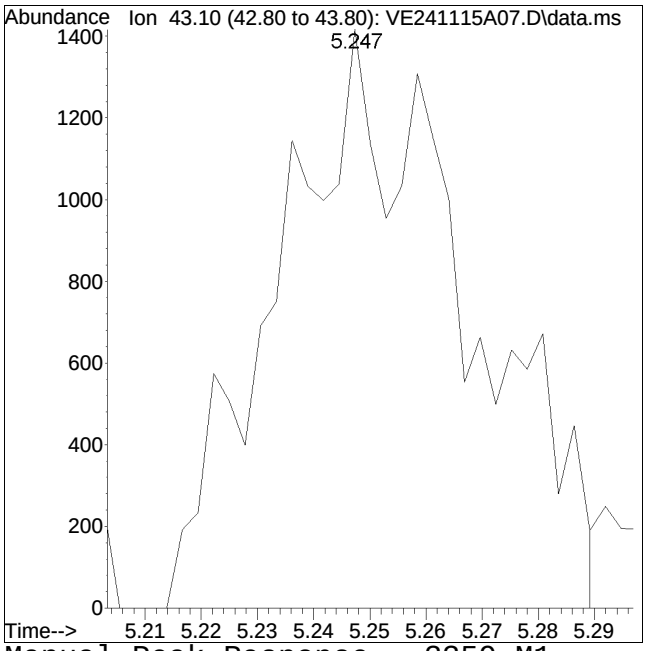
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #42: 2-Butanone



Original Peak Response = 1851



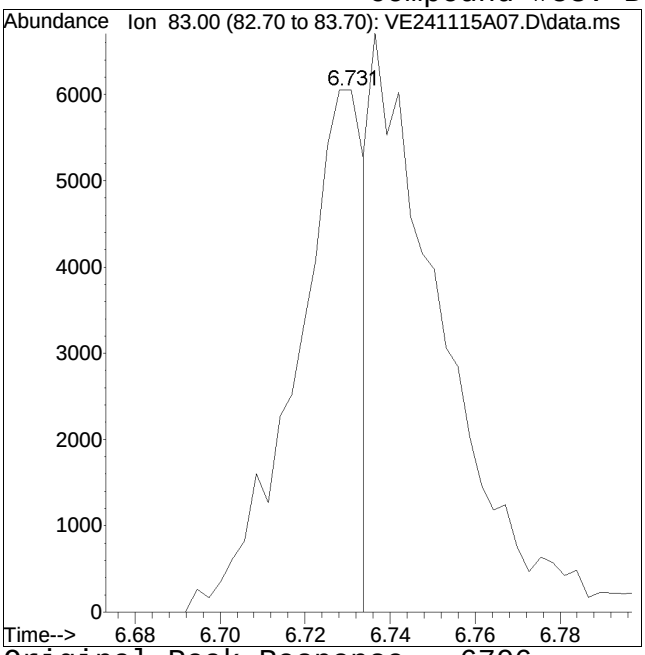
Manual Peak Response = 3359 M1

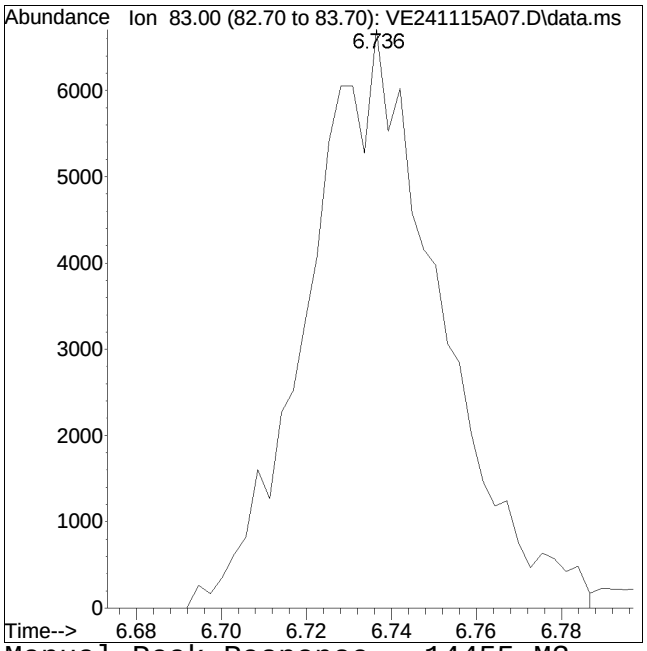
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #58: Bromodichloromethane



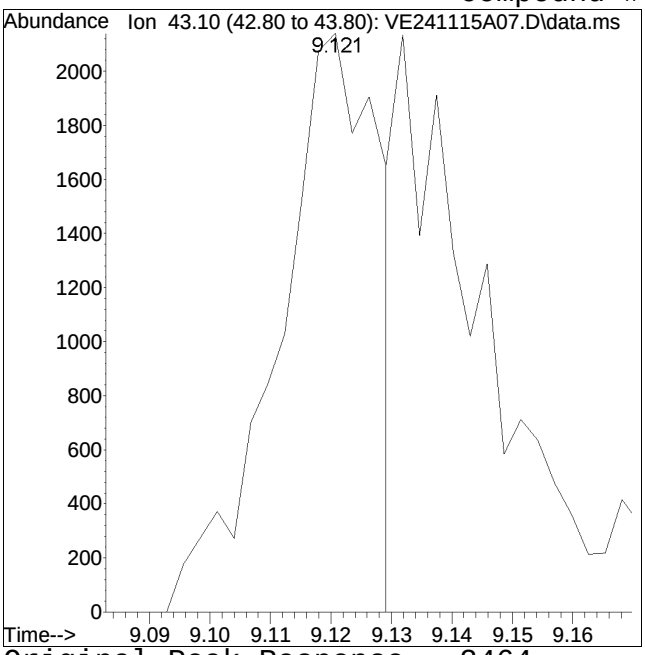


Original Peak Response = 6706 Manual Peak Response = 14455 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

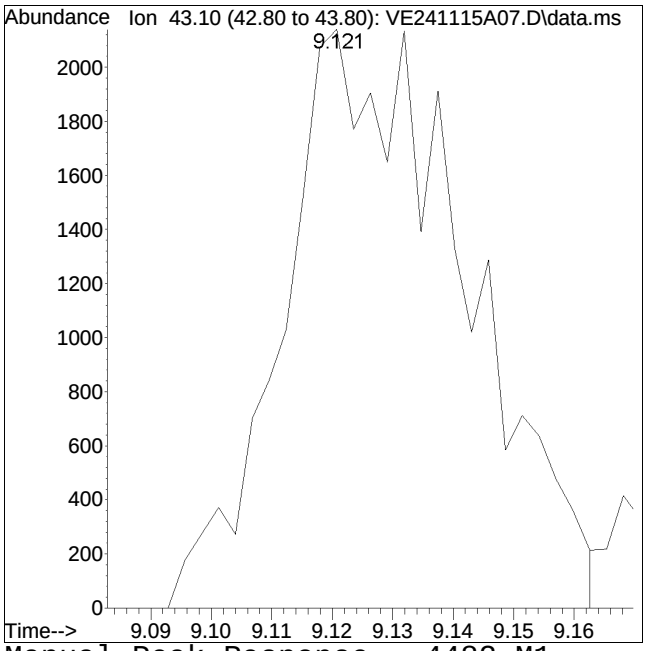
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #77: 2-Hexanone



Original Peak Response = 2464



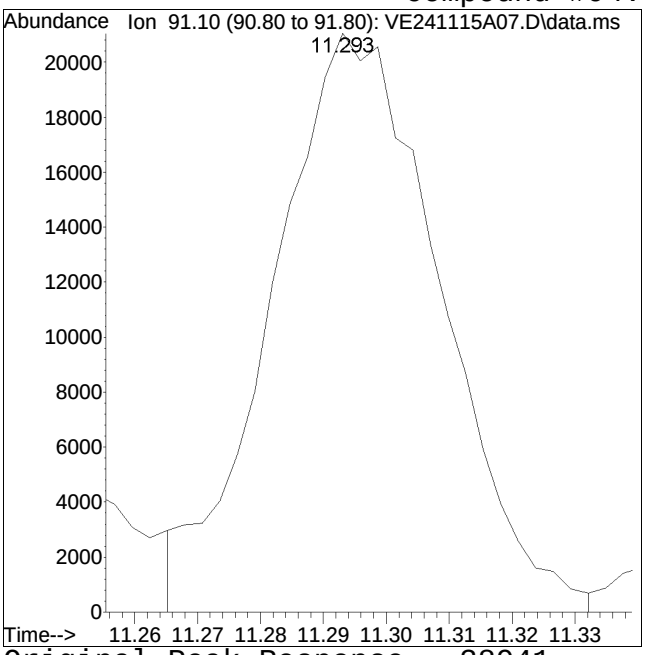
Manual Peak Response = 4482 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

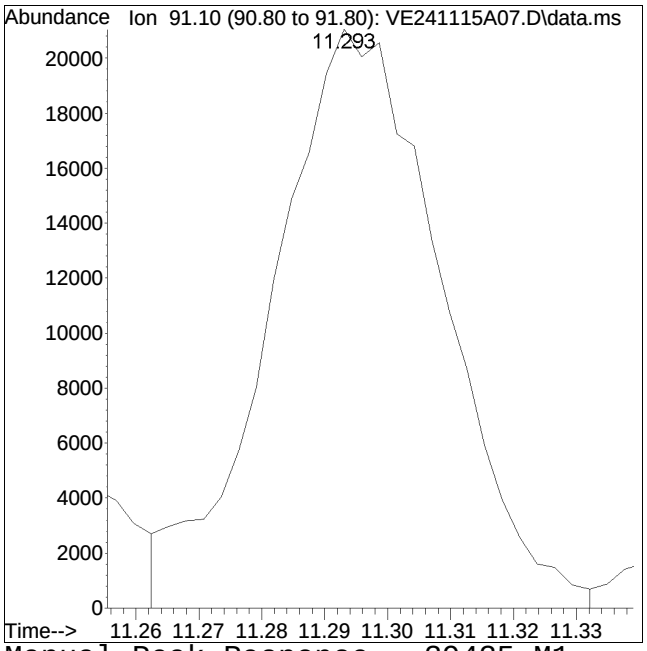
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A07.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 4:30 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 11/15/2024 11:45 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 38941



Manual Peak Response = 39435 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A09.D
Acq On : 15 Nov 2024 5:18 am
Operator : ELAINE:PID
Sample : I8260STD10PPB
Misc : WG1998028,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 15 11:45:29 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.939	96	258108	10.000	ug/L	0.00
Standard Area 1 = 258108			Recovery = 100.00%			
63) Chlorobenzene-d5	9.469	117	187202	10.000	ug/L	0.00
Standard Area 1 = 187202			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	12.186	152	99398	10.000	ug/L	0.00
Standard Area 1 = 99398			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.133	113	60835	10.279	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.79%			
47) 1,2-Dichloroethane-d4	5.657	65	70004	9.997	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.97%			
64) Toluene-d8	7.632	98	258031	10.107	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.07%			
88) 4-Bromofluorobenzene	10.970	95	90652	9.927	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.27%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.586	85	64019	11.101	ug/L	93
3) Chloromethane	1.773	50	60439	10.607	ug/L	96
4) Vinyl chloride	1.848	62	66772	10.997	ug/L	95
5) Bromomethane	2.155	94	42650	10.008	ug/L	93
6) Chloroethane	2.272	64	47018	10.695	ug/L	99
7) Trichlorofluoromethane	2.409	101	98234	11.089	ug/L	98
8) Ethyl ether	2.701	74	27581	10.068	ug/L	88
10) 1,1-Dichloroethene	2.894	96	46566	10.322	ug/L	91
11) Carbon disulfide	2.919	76	144250	10.647	ug/L	95
12) Freon-113	2.930	101	52530M1	11.041	ug/L	
13) Iodomethane	3.025	142	37708	9.104	ug/L #	92
14) Acrolein	3.206	56	5696	10.340	ug/L	91
15) Methylene chloride	3.440	84	57108	10.140	ug/L	81
17) Acetone	3.477	43	10464M1	9.441	ug/L	
18) trans-1,2-Dichloroethene	3.594	96	53278	10.605	ug/L	96
19) Methyl acetate	3.597	43	24558	9.918	ug/L #	82
21) Methyl tert-butyl ether	3.694	73	137376M1	10.230	ug/L	
22) tert-Butyl alcohol	3.778	59	17924	52.958	ug/L #	61
24) Diisopropyl ether	4.051	45	172170	10.218	ug/L #	93
25) 1,1-Dichloroethane	4.177	63	104920	10.448	ug/L	99
26) Halothane	4.227	117	40749	10.518	ug/L	97

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A09.D
Acq On : 15 Nov 2024 5:18 am
Operator : ELAINE:PID
Sample : I8260STD10PPB
Misc : WG1998028,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 15 11:45:29 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.218	53	13811M3	10.166	ug/L		
28) Ethyl tert-butyl ether	4.394	59	176280	9.985	ug/L		97
29) Vinyl acetate	4.402	43	116027	9.948	ug/L	#	95
30) cis-1,2-Dichloroethene	4.692	96	59779	10.424	ug/L		91
31) 2,2-Dichloropropane	4.793	77	83984	10.599	ug/L		87
33) Bromochloromethane	4.882	128	27679	10.594	ug/L	#	80
34) Cyclohexane	4.891	56	110576	10.832	ug/L		82
35) Chloroform	4.960	83	92551	9.823	ug/L		95
36) Ethyl acetate	5.061	43	40904	10.396	ug/L	#	95
37) Carbon tetrachloride	5.091	117	72830	10.659	ug/L	#	90
38) Tetrahydrofuran	5.100	42	10865M1	9.958	ug/L		
40) 1,1,1-Trichloroethane	5.155	97	89281	10.733	ug/L		91
42) 2-Butanone	5.245	43	13986	8.849	ug/L	#	90
43) 1,1-Dichloropropene	5.278	75	77501	10.633	ug/L		94
45) Benzene	5.521	78	236758	10.314	ug/L		94
46) tert-Amyl methyl ether	5.632	73	147912	10.012	ug/L		92
48) 1,2-Dichloroethane	5.727	62	73423	10.057	ug/L		99
51) Methyl cyclohexane	6.109	83	107391	10.505	ug/L		85
52) Trichloroethene	6.120	95	58124	10.679	ug/L		95
54) Dibromomethane	6.555	93	32136	10.331	ug/L		91
55) 1,2-Dichloropropane	6.658	63	60189	10.321	ug/L		96
57) 2-Chloroethyl vinyl ether	7.350	63	35068	10.223	ug/L		90
58) Bromodichloromethane	6.734	83	78987	10.437	ug/L		94
61) 1,4-Dioxane	6.940	88	20444	536.478	ug/L	#	81
62) cis-1,3-Dichloropropene	7.423	75	91786	10.507	ug/L		90
65) Toluene	7.685	92	153656	10.445	ug/L		94
66) 4-Methyl-2-pentanone	8.117	58	14783	9.562	ug/L		85
67) Tetrachloroethene	8.128	166	63558	10.746	ug/L		96
69) trans-1,3-Dichloropropene	8.170	75	77996	10.707	ug/L		85
71) Ethyl methacrylate	8.357	69	57283	10.310	ug/L		94
72) 1,1,2-Trichloroethane	8.357	83	39609	10.245	ug/L		98
73) Chlorodibromomethane	8.566	129	51913	10.008	ug/L		98
74) 1,3-Dichloropropane	8.677	76	81868	10.256	ug/L		98
75) 1,2-Dibromoethane	8.839	107	46445	10.139	ug/L		87
77) 2-Hexanone	9.126	43	24765	9.971	ug/L	#	93
78) Chlorobenzene	9.489	112	161435	10.325	ug/L	#	82
79) Ethylbenzene	9.528	91	295070	10.497	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.575	131	54217	10.444	ug/L		96
81) p/m Xylene	9.712	106	224264	20.724	ug/L		95
82) o Xylene	10.259	106	218078	20.667	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A09.D
Acq On : 15 Nov 2024 5:18 am
Operator : ELAINE:PID
Sample : I8260STD10PPB
Misc : WG1998028,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 15 11:45:29 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.326	104	357909	20.091	ug/L		95
85) Bromoform	10.356	173	28988	9.867	ug/L		92
87) Isopropylbenzene	10.643	105	300081	10.220	ug/L		97
89) Bromobenzene	11.081	156	68169	10.400	ug/L		99
90) n-Propylbenzene	11.129	91	342490	10.284	ug/L		95
91) 1,4-Dichlorobutane	11.145	55	80033	10.260	ug/L		100
92) 1,1,2,2-Tetrachloroethane	11.218	83	56522	9.971	ug/L		98
93) 4-Ethyltoluene	11.254	105	287656	10.409	ug/L		100
94) 2-Chlorotoluene	11.296	91	198672M1	10.271	ug/L		
95) 1,3,5-Trimethylbenzene	11.352	105	251462	10.283	ug/L		98
96) 1,2,3-Trichloropropane	11.355	75	44509	9.946	ug/L		91
97) trans-1,4-Dichloro-2-b...	11.408	53	15538	9.591	ug/L	#	67
98) 4-Chlorotoluene	11.480	91	205242	10.256	ug/L		98
99) tert-Butylbenzene	11.695	119	209364	10.375	ug/L		94
102) 1,2,4-Trimethylbenzene	11.773	105	251489	10.255	ug/L		96
103) sec-Butylbenzene	11.887	105	317704	10.311	ug/L		100
104) p-Isopropyltoluene	12.041	119	263190	10.309	ug/L		96
105) 1,3-Dichlorobenzene	12.107	146	132538	10.102	ug/L		96
106) 1,4-Dichlorobenzene	12.202	146	132040	10.035	ug/L		99
107) p-Diethylbenzene	12.414	119	154927	10.372	ug/L		97
108) n-Butylbenzene	12.473	91	229472	10.307	ug/L		98
109) 1,2-Dichlorobenzene	12.623	146	123739	9.913	ug/L		99
110) 1,2,4,5-Tetramethylben...	13.209	119	237836	9.939	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.407	155	7272	9.592	ug/L		94
112) 1,3,5-Trichlorobenzene	13.438	180	90630	10.179	ug/L		93
113) Hexachlorobutadiene	14.012	225	25243	10.620	ug/L		93
114) 1,2,4-Trichlorobenzene	14.032	180	78820	10.139	ug/L		98
115) Naphthalene	14.327	128	180798	9.903	ug/L		100
116) 1,2,3-Trichlorobenzene	14.497	180	69443	10.007	ug/L		94

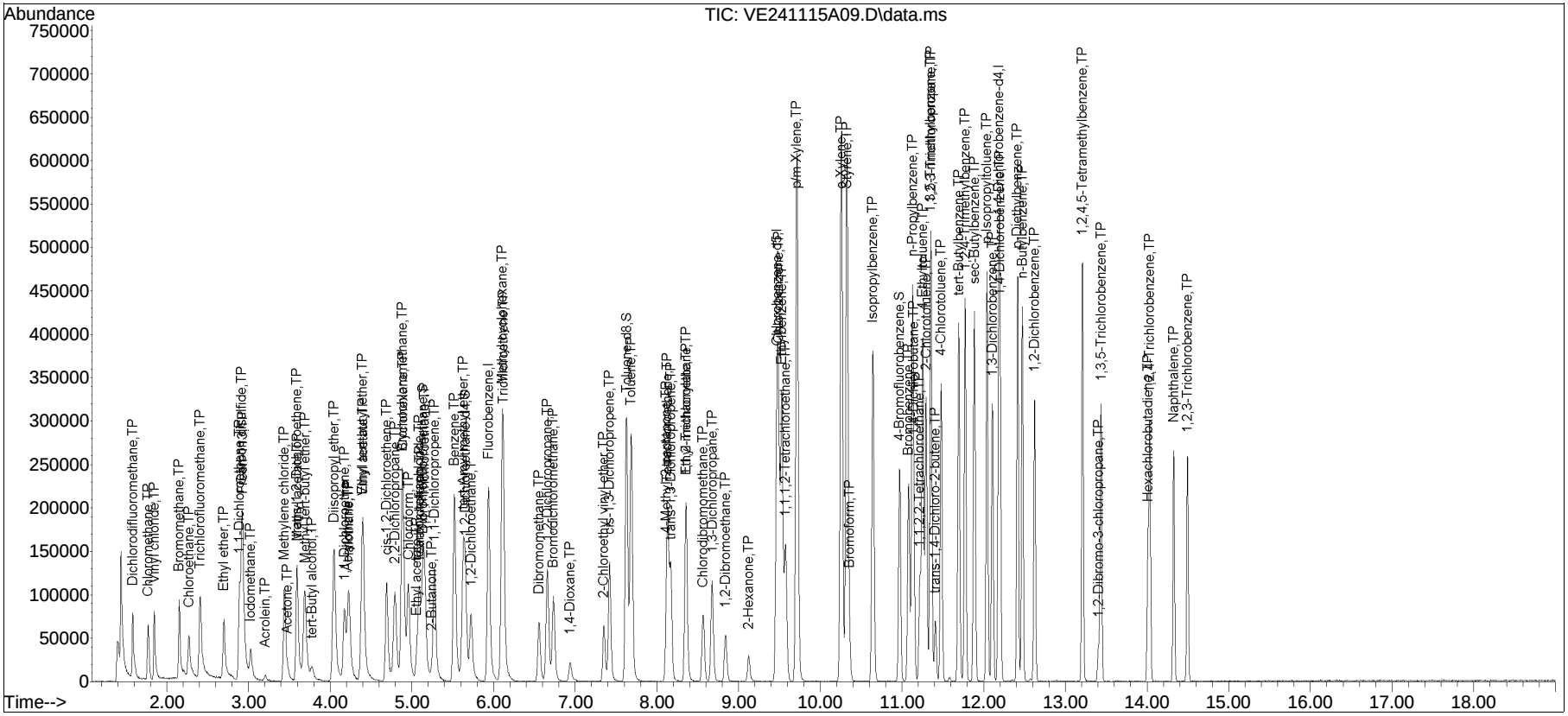
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A09.D
Acq On : 15 Nov 2024 5:18 am
Operator : ELAINE:PID
Sample : I8260STD10PPB
Misc : WG1998028,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 15 11:45:29 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

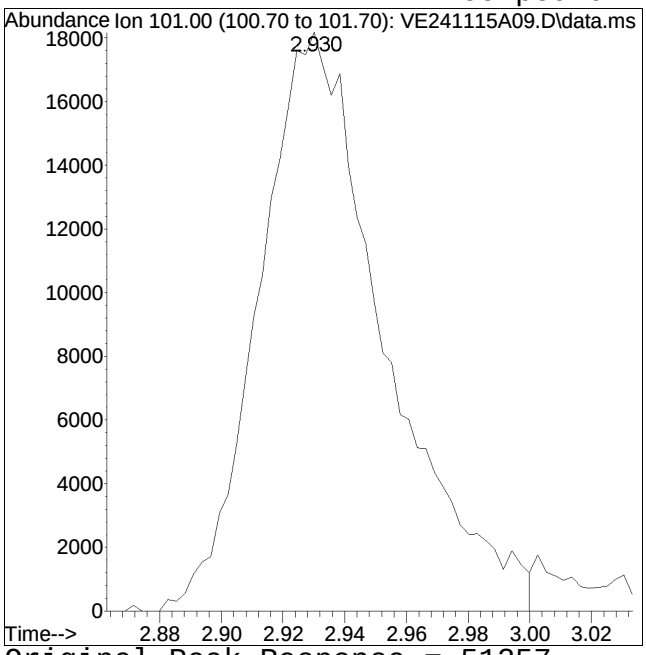
Sub List : 8260-Curve - Megamix plus Diox\VE241115A09.D•

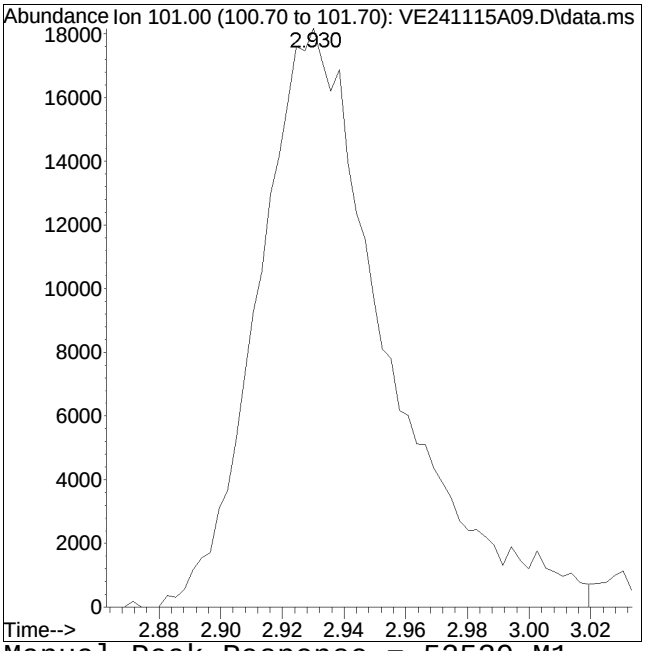


Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A09.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 5:18 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/15/2024 11:45 am

Compound #12: Freon-113



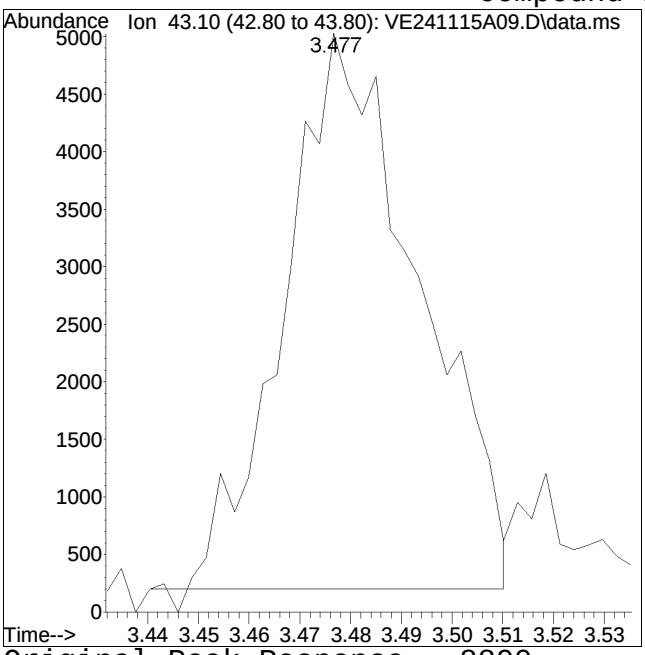


Original Peak Response = 51257 Manual Peak Response = 52530 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

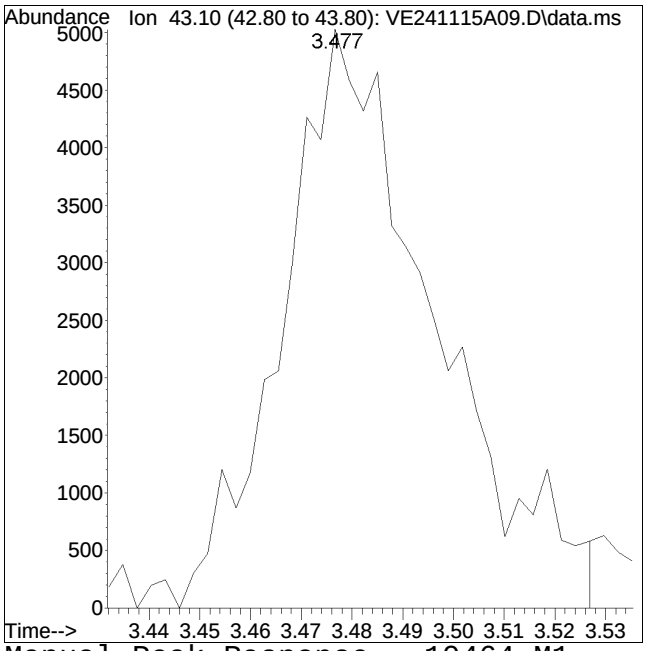
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A09.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 5:18 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/15/2024 11:45 am

Compound #17: Acetone



Original Peak Response = 8890



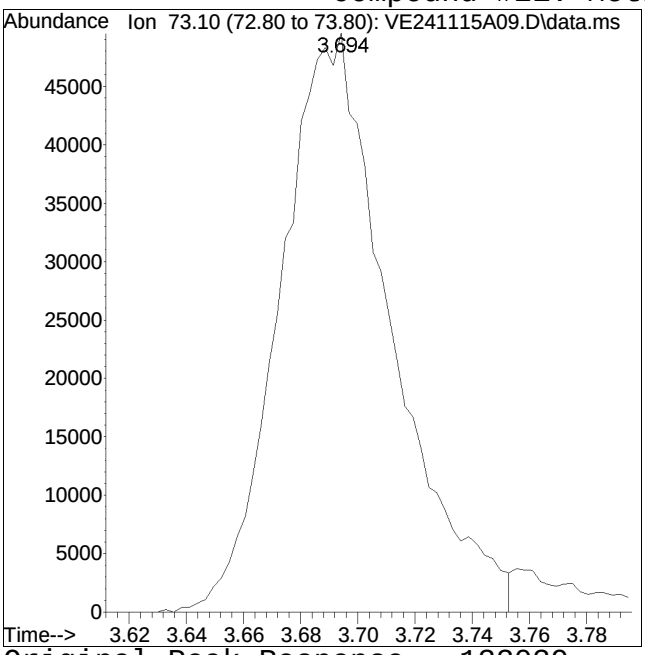
Manual Peak Response = 10464 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

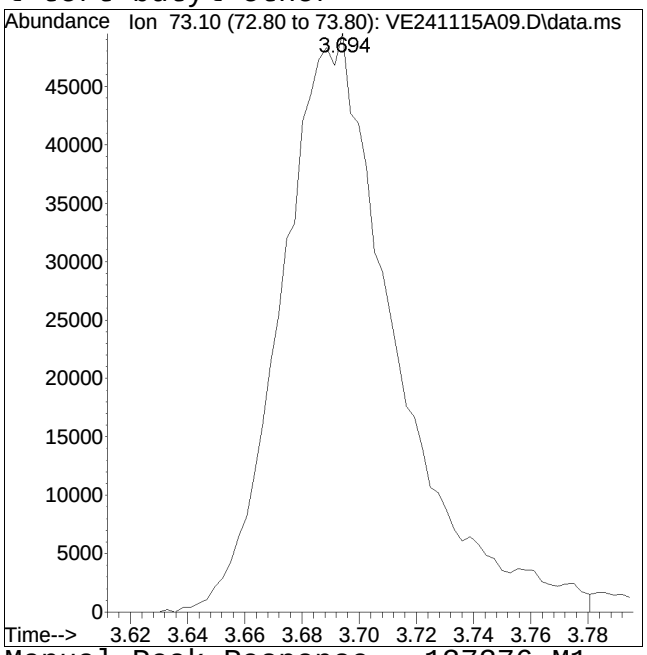
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A09.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 5:18 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/15/2024 11:45 am

Compound #21: Methyl tert-butyl ether



Original Peak Response = 133039



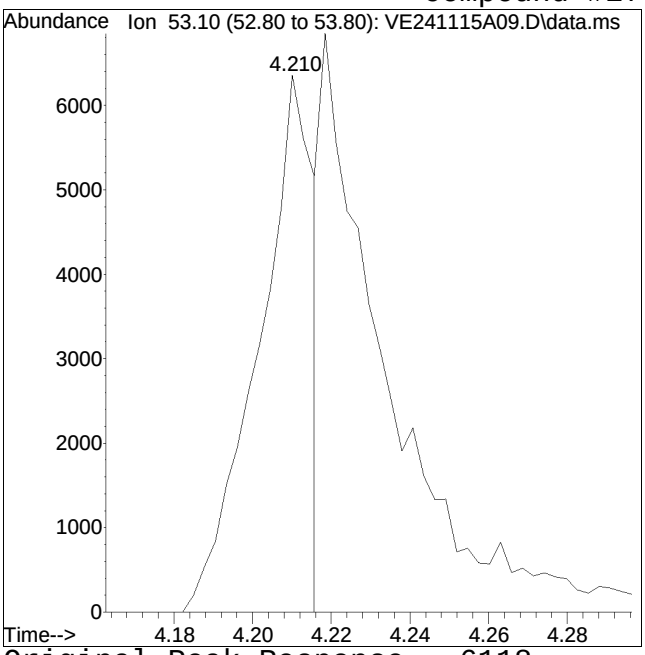
Manual Peak Response = 137376 M1

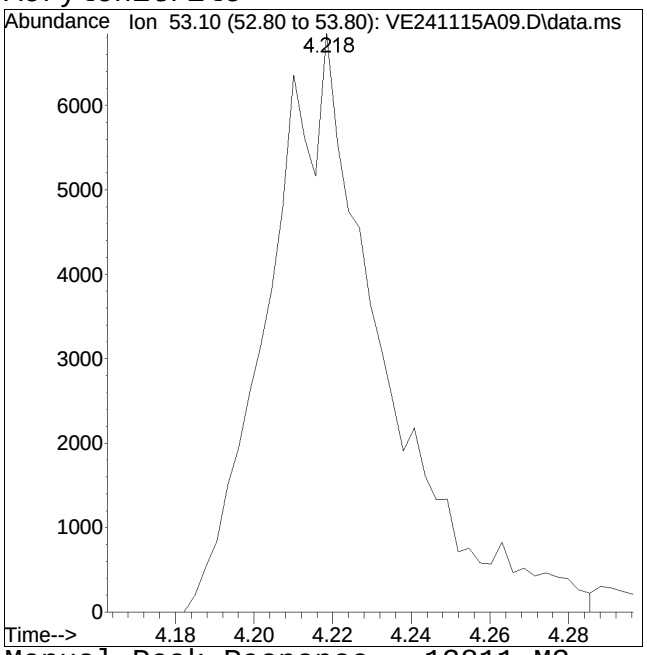
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A09.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 5:18 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/15/2024 11:45 am

Compound #27: Acrylonitrile



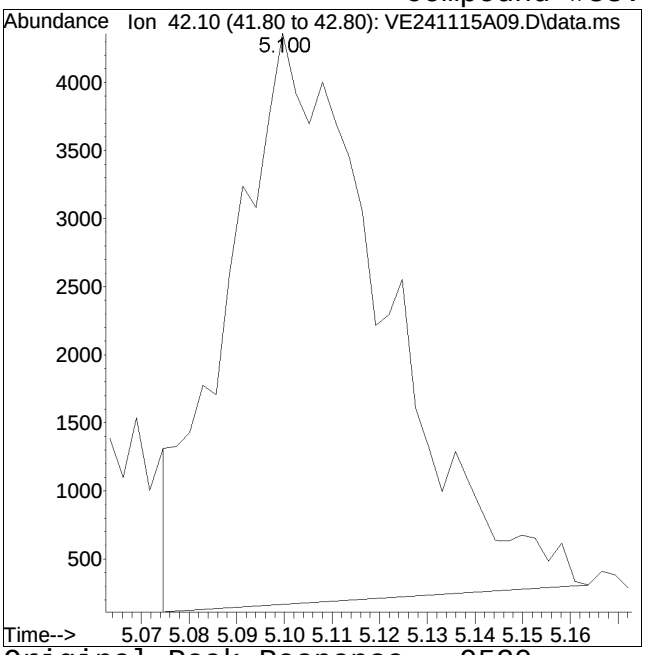


Original Peak Response = 6118 Manual Peak Response = 13811 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

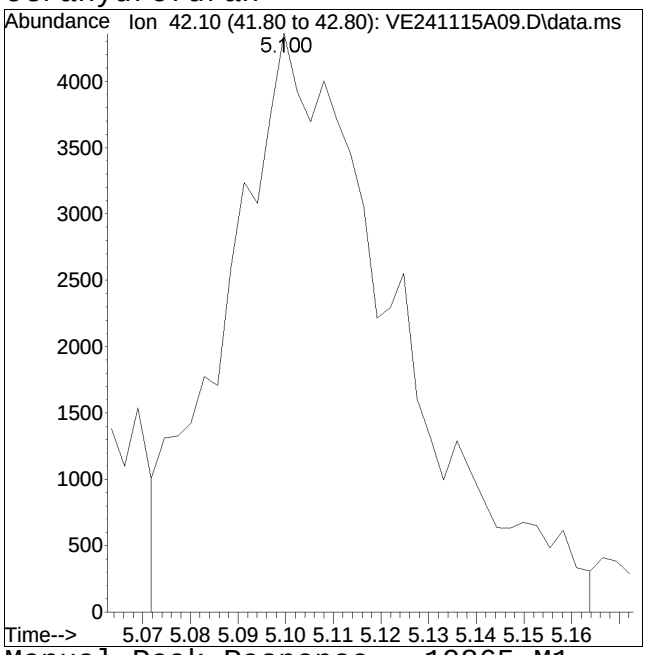
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A09.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 5:18 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/15/2024 11:45 am

Compound #38: Tetrahydrofuran



Original Peak Response = 9520



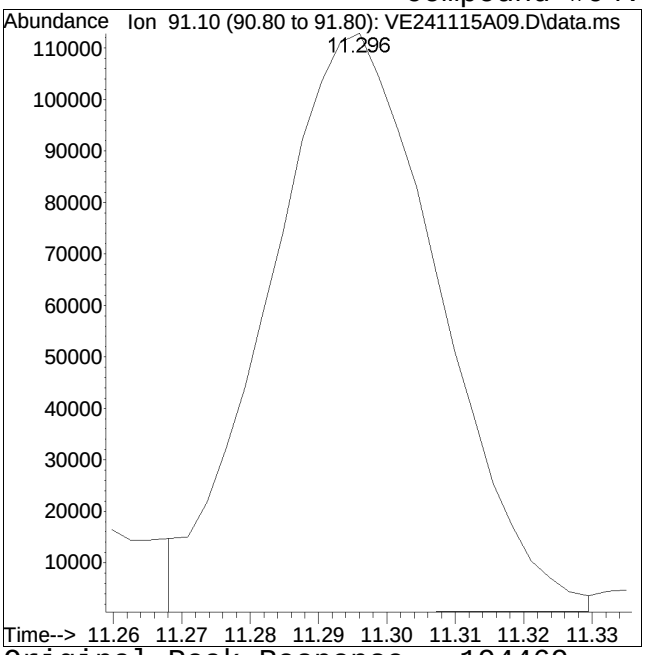
Manual Peak Response = 10865 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

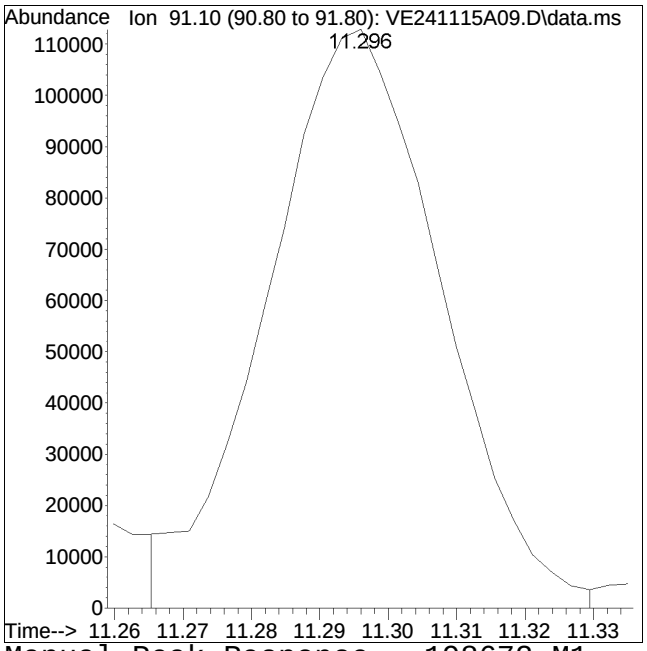
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A09.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 5:18 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 11/15/2024 11:45 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 194469



Manual Peak Response = 198672 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A10.D
Acq On : 15 Nov 2024 5:43 am
Operator : ELAINE:PID
Sample : I8260STD30PPB
Misc : WG1998028,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 15 11:45:41 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.939	96	263012	10.000	ug/L	0.00
Standard Area 1 = 258108			Recovery = 101.90%			
63) Chlorobenzene-d5	9.469	117	190470	10.000	ug/L	0.00
Standard Area 1 = 187202			Recovery = 101.75%			
84) 1,4-Dichlorobenzene-d4	12.186	152	102497	10.000	ug/L	0.00
Standard Area 1 = 99398			Recovery = 103.12%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.136	113	59245	9.824	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.24%			
47) 1,2-Dichloroethane-d4	5.657	65	69659	9.762	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.62%			
64) Toluene-d8	7.629	98	261063	10.050	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.50%			
88) 4-Bromofluorobenzene	10.967	95	92894	9.865	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.65%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.583	85	191482	32.584	ug/L	95
3) Chloromethane	1.773	50	179019	30.832	ug/L	97
4) Vinyl chloride	1.848	62	205852	33.271	ug/L	97
5) Bromomethane	2.155	94	123191	28.368	ug/L	94
6) Chloroethane	2.269	64	140161	31.289	ug/L	99
7) Trichlorofluoromethane	2.411	101	288395	31.948	ug/L	96
8) Ethyl ether	2.699	74	88301	31.633	ug/L	89
10) 1,1-Dichloroethene	2.891	96	146183	31.800	ug/L	97
11) Carbon disulfide	2.922	76	433868	31.426	ug/L	96
12) Freon-113	2.930	101	154185	31.804	ug/L	97
13) Iodomethane	3.028	142	126576	29.989	ug/L #	92
14) Acrolein	3.203	56	16516	29.424	ug/L #	68
15) Methylene chloride	3.443	84	172240	30.014	ug/L	83
17) Acetone	3.479	43	28526	25.258	ug/L	92
18) trans-1,2-Dichloroethene	3.594	96	162196	31.682	ug/L	97
19) Methyl acetate	3.599	43	75308	29.848	ug/L #	87
21) Methyl tert-butyl ether	3.691	73	428275	31.296	ug/L	87
22) tert-Butyl alcohol	3.783	59	52357	151.808	ug/L #	74
24) Diisopropyl ether	4.048	45	523475	30.488	ug/L #	93
25) 1,1-Dichloroethane	4.174	63	315299	30.813	ug/L	99
26) Halothane	4.227	117	123993	31.408	ug/L	93

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A10.D
Acq On : 15 Nov 2024 5:43 am
Operator : ELAINE:PID
Sample : I8260STD30PPB
Misc : WG1998028,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 15 11:45:41 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.216	53	41142	29.720	ug/L	#	80
28) Ethyl tert-butyl ether	4.397	59	550000	30.573	ug/L		96
29) Vinyl acetate	4.405	43	369146	31.061	ug/L		96
30) cis-1,2-Dichloroethene	4.692	96	183245	31.357	ug/L		90
31) 2,2-Dichloropropane	4.796	77	258010	31.954	ug/L		86
33) Bromochloromethane	4.885	128	80194	30.121	ug/L		84
34) Cyclohexane	4.890	56	329047	31.633	ug/L		76
35) Chloroform	4.955	83	294662	30.692	ug/L		94
36) Ethyl acetate	5.061	43	122246	30.490	ug/L	#	85
37) Carbon tetrachloride	5.088	117	224693	32.271	ug/L		94
38) Tetrahydrofuran	5.102	42	33786M1	30.389	ug/L		
40) 1,1,1-Trichloroethane	5.158	97	267093	31.509	ug/L		91
42) 2-Butanone	5.245	43	45160	28.041	ug/L		97
43) 1,1-Dichloropropene	5.275	75	229327	30.876	ug/L		92
45) Benzene	5.521	78	727735	31.111	ug/L		94
46) tert-Amyl methyl ether	5.632	73	461123	30.631	ug/L		91
48) 1,2-Dichloroethane	5.727	62	228290	30.685	ug/L		100
51) Methyl cyclohexane	6.106	83	334316	32.094	ug/L		85
52) Trichloroethene	6.117	95	176353	31.798	ug/L		95
54) Dibromomethane	6.555	93	98072	30.941	ug/L		90
55) 1,2-Dichloropropane	6.658	63	187311	31.521	ug/L		95
57) 2-Chloroethyl vinyl ether	7.353	63	111073	31.775	ug/L		89
58) Bromodichloromethane	6.734	83	238680	30.949	ug/L		93
61) 1,4-Dioxane	6.943	88	24915M1	641.612	ug/L		
62) cis-1,3-Dichloropropene	7.420	75	287342	32.279	ug/L		90
65) Toluene	7.685	92	458170	30.611	ug/L		94
66) 4-Methyl-2-pentanone	8.114	58	48600	30.897	ug/L		78
67) Tetrachloroethene	8.131	166	188239	31.281	ug/L		98
69) trans-1,3-Dichloropropene	8.170	75	247914	33.448	ug/L		84
71) Ethyl methacrylate	8.357	69	178550	31.585	ug/L		97
72) 1,1,2-Trichloroethane	8.354	83	120623	30.663	ug/L		98
73) Chlorodibromomethane	8.566	129	166443	31.536	ug/L		98
74) 1,3-Dichloropropane	8.675	76	249398	30.706	ug/L		98
75) 1,2-Dibromoethane	8.839	107	141920	30.449	ug/L		87
77) 2-Hexanone	9.121	43	77771	30.776	ug/L		92
78) Chlorobenzene	9.489	112	489189	30.751	ug/L	#	83
79) Ethylbenzene	9.528	91	892601	31.208	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.575	131	167451	31.702	ug/L		95
81) p/m Xylene	9.715	106	681211	61.871	ug/L		96
82) o Xylene	10.259	106	657337	61.227	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A10.D
Acq On : 15 Nov 2024 5:43 am
Operator : ELAINE:PID
Sample : I8260STD30PPB
Misc : WG1998028,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 15 11:45:41 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.326	104	1111760	61.337	ug/L		96
85) Bromoform	10.353	173	96041	31.701	ug/L		93
87) Isopropylbenzene	10.643	105	933244	30.822	ug/L		98
89) Bromobenzene	11.081	156	206282	30.520	ug/L		97
90) n-Propylbenzene	11.129	91	1065150	31.016	ug/L		96
91) 1,4-Dichlorobutane	11.145	55	242025	30.090	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.221	83	178162	30.478	ug/L		97
93) 4-Ethyltoluene	11.254	105	880214	30.887	ug/L		100
94) 2-Chlorotoluene	11.296	91	611032M1	30.633	ug/L		
95) 1,3,5-Trimethylbenzene	11.352	105	775199	30.742	ug/L		98
96) 1,2,3-Trichloropropane	11.355	75	136118	29.498	ug/L		93
97) trans-1,4-Dichloro-2-b...	11.408	53	52342	31.330	ug/L	#	63
98) 4-Chlorotoluene	11.480	91	626572	30.362	ug/L		99
99) tert-Butylbenzene	11.692	119	639463	30.729	ug/L		95
102) 1,2,4-Trimethylbenzene	11.773	105	774215	30.615	ug/L		96
103) sec-Butylbenzene	11.887	105	985196	31.007	ug/L		98
104) p-Isopropyltoluene	12.043	119	821699	31.212	ug/L		96
105) 1,3-Dichlorobenzene	12.110	146	409714	30.285	ug/L		96
106) 1,4-Dichlorobenzene	12.199	146	404259	29.793	ug/L		98
107) p-Diethylbenzene	12.414	119	487942	31.680	ug/L		96
108) n-Butylbenzene	12.473	91	718542	31.298	ug/L		98
109) 1,2-Dichlorobenzene	12.623	146	389286	30.243	ug/L		99
110) 1,2,4,5-Tetramethylben...	13.209	119	766052	31.044	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.407	155	24992	31.970	ug/L		91
112) 1,3,5-Trichlorobenzene	13.435	180	287411	31.305	ug/L		93
113) Hexachlorobutadiene	14.012	225	79871	32.587	ug/L		92
114) 1,2,4-Trichlorobenzene	14.034	180	245938	30.679	ug/L		99
115) Naphthalene	14.327	128	578701	30.739	ug/L		100
116) 1,2,3-Trichlorobenzene	14.495	180	221887	31.007	ug/L		94

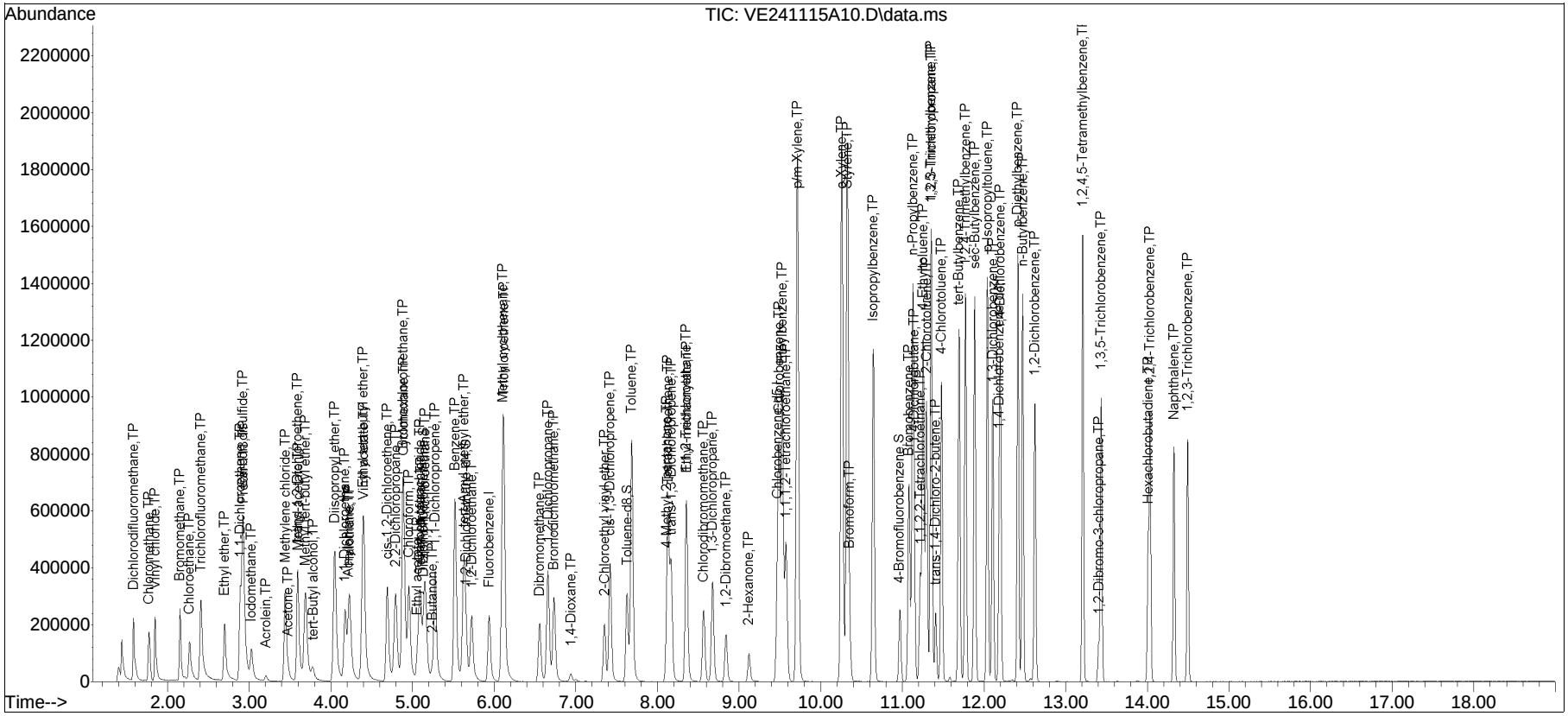
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A10.D
Acq On : 15 Nov 2024 5:43 am
Operator : ELAINE:PID
Sample : I8260STD30PPB
Misc : WG1998028,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 15 11:45:41 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

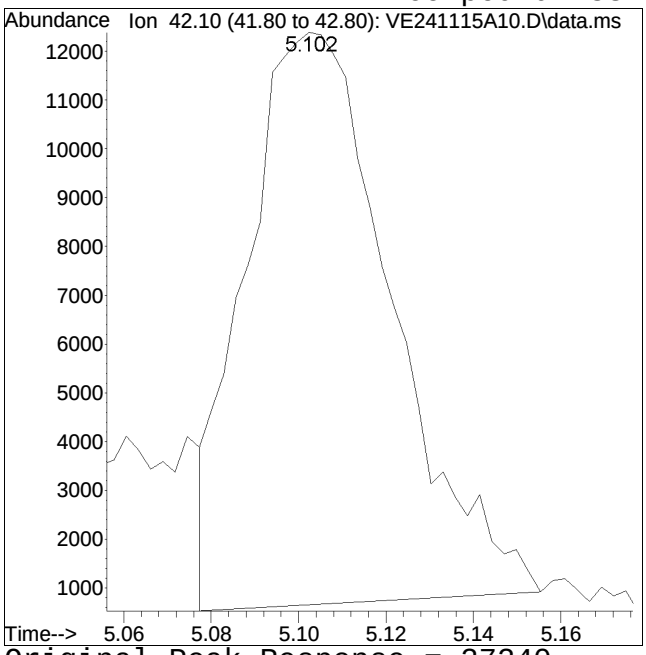
Sub List : 8260-Curve - Megamix plus Diox\VE241115A09.D•

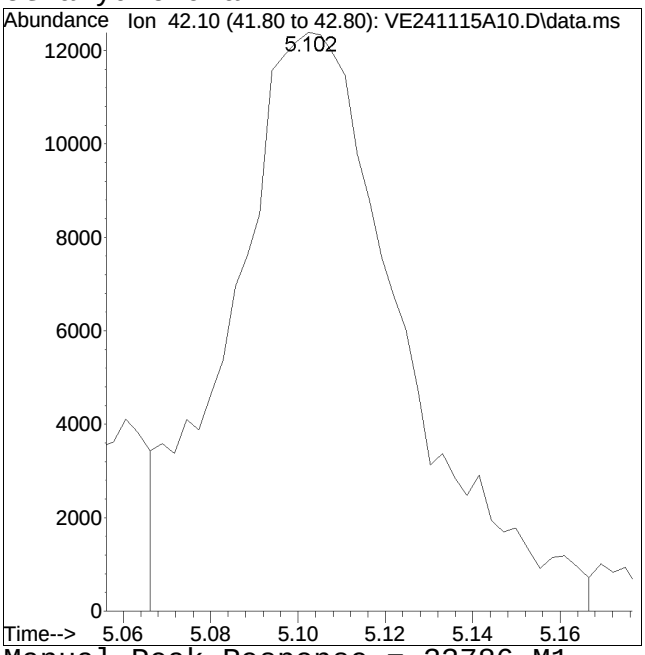


Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A10.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 5:43 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 11/15/2024 11:45 am

Compound #38: Tetrahydrofuran



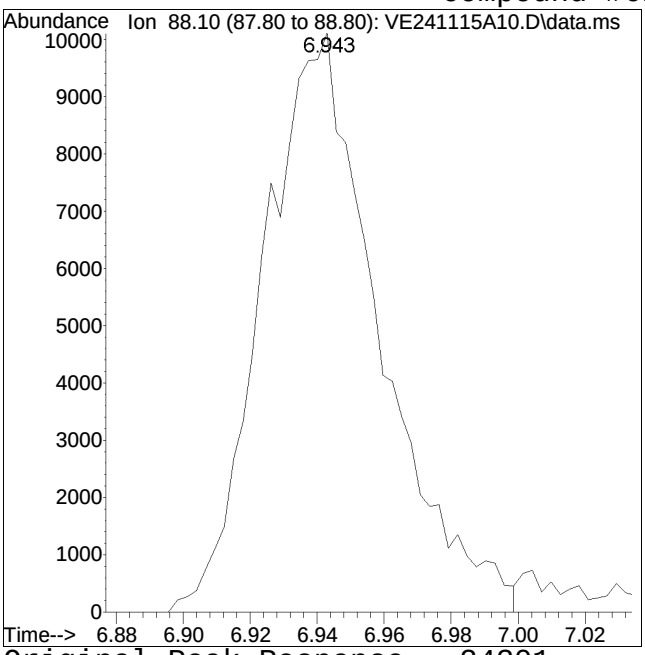


Original Peak Response = 27240 Manual Peak Response = 33786 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

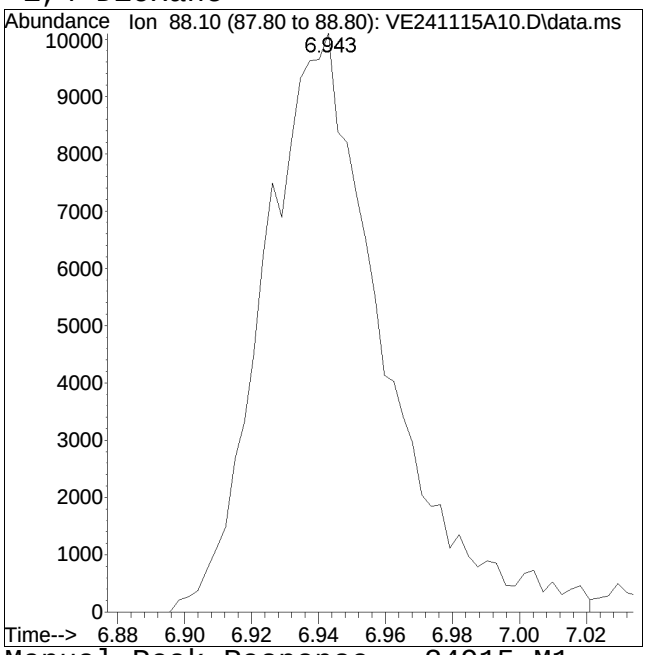
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A10.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 5:43 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 11/15/2024 11:45 am

Compound #61: 1,4-Dioxane



Original Peak Response = 24301



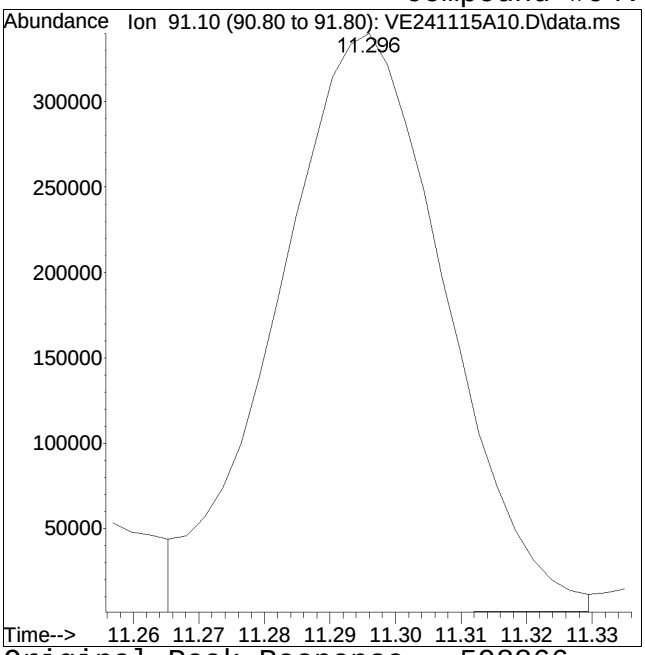
Manual Peak Response = 24915 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

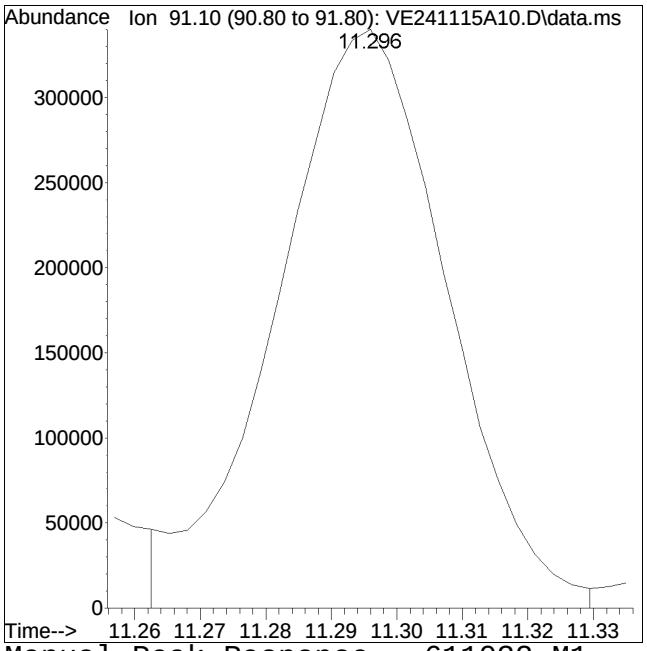
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A10.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 5:43 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 11/15/2024 11:45 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 598866



Manual Peak Response = 611032 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A11.D
Acq On : 15 Nov 2024 6:07 am
Operator : ELAINE:PID
Sample : I8260STD80PPB
Misc : WG1998028,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 15 11:45:48 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.939	96	262160	10.000	ug/L	0.00
Standard Area 1 = 258108			Recovery = 101.57%			
63) Chlorobenzene-d5	9.472	117	190412	10.000	ug/L	0.00
Standard Area 1 = 187202			Recovery = 101.71%			
84) 1,4-Dichlorobenzene-d4	12.185	152	102157	10.000	ug/L	0.00
Standard Area 1 = 99398			Recovery = 102.78%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.130	113	59891	9.964	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.64%			
47) 1,2-Dichloroethane-d4	5.655	65	70551	9.919	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.19%			
64) Toluene-d8	7.626	98	258700	9.962	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.62%			
88) 4-Bromofluorobenzene	10.972	95	92872	9.895	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.95%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.583	85	508422	86.797	ug/L	94
3) Chloromethane	1.773	50	459431	79.383	ug/L	98
4) Vinyl chloride	1.848	62	529547	85.868	ug/L	93
5) Bromomethane	2.152	94	333208	76.979	ug/L	95
6) Chloroethane	2.269	64	376069	84.224	ug/L	100
7) Trichlorofluoromethane	2.409	101	781736	86.882	ug/L	94
8) Ethyl ether	2.699	74	232555	83.582	ug/L	87
10) 1,1-Dichloroethene	2.894	96	383570	83.710	ug/L	96
11) Carbon disulfide	2.922	76	1156091	84.010	ug/L	96
12) Freon-113	2.930	101	402561	83.307	ug/L	96
13) Iodomethane	3.028	142	373981	88.893	ug/L	92
14) Acrolein	3.209	56	43334	77.452	ug/L #	70
15) Methylene chloride	3.440	84	450600	78.775	ug/L	82
17) Acetone	3.477	43	82285	73.095	ug/L	95
18) trans-1,2-Dichloroethene	3.594	96	424683	83.223	ug/L	96
19) Methyl acetate	3.596	43	196562	78.160	ug/L #	83
21) Methyl tert-butyl ether	3.691	73	1149255	84.255	ug/L	86
22) tert-Butyl alcohol	3.778	59	144563	420.519	ug/L #	72
24) Diisopropyl ether	4.048	45	1427601	83.417	ug/L #	92
25) 1,1-Dichloroethane	4.174	63	846856	83.029	ug/L	100
26) Halothane	4.230	117	331091	84.138	ug/L	96

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A11.D
Acq On : 15 Nov 2024 6:07 am
Operator : ELAINE:PID
Sample : I8260STD80PPB
Misc : WG1998028,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 15 11:45:48 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.218	53	109538	79.386	ug/L		89
28) Ethyl tert-butyl ether	4.397	59	1486942	82.925	ug/L		95
29) Vinyl acetate	4.405	43	1002664	84.641	ug/L		97
30) cis-1,2-Dichloroethene	4.692	96	479355	82.294	ug/L		90
31) 2,2-Dichloropropane	4.793	77	672681	83.581	ug/L		86
33) Bromochloromethane	4.882	128	213306	80.379	ug/L	#	82
34) Cyclohexane	4.888	56	866958	83.616	ug/L		76
35) Chloroform	4.957	83	773364	80.815	ug/L		94
36) Ethyl acetate	5.063	43	314987	78.817	ug/L	#	91
37) Carbon tetrachloride	5.094	117	607355	87.512	ug/L		96
38) Tetrahydrofuran	5.105	42	87057M1	78.559	ug/L		
40) 1,1,1-Trichloroethane	5.155	97	704151	83.340	ug/L		91
42) 2-Butanone	5.242	43	131043M3	81.633	ug/L		
43) 1,1-Dichloropropene	5.278	75	616627	83.290	ug/L		94
45) Benzene	5.523	78	1935306	83.005	ug/L		93
46) tert-Amyl methyl ether	5.629	73	1251657	83.413	ug/L		91
48) 1,2-Dichloroethane	5.724	62	593345	80.013	ug/L		100
51) Methyl cyclohexane	6.106	83	882808	85.024	ug/L		86
52) Trichloroethene	6.117	95	466538	84.394	ug/L		96
54) Dibromomethane	6.558	93	262432	83.065	ug/L		90
55) 1,2-Dichloropropane	6.661	63	493190	83.264	ug/L		96
57) 2-Chloroethyl vinyl ether	7.353	63	298334	85.623	ug/L		88
58) Bromodichloromethane	6.734	83	648872	84.411	ug/L		94
61) 1,4-Dioxane	6.940	88	30863	797.369	ug/L	#	78
62) cis-1,3-Dichloropropene	7.423	75	773606	87.188	ug/L		89
65) Toluene	7.685	92	1222831	81.724	ug/L		94
66) 4-Methyl-2-pentanone	8.114	58	131453	83.595	ug/L		77
67) Tetrachloroethene	8.131	166	495654	82.391	ug/L		98
69) trans-1,3-Dichloropropene	8.170	75	662436	89.402	ug/L		86
71) Ethyl methacrylate	8.357	69	472755	83.653	ug/L		97
72) 1,1,2-Trichloroethane	8.357	83	317085	80.630	ug/L		99
73) Chlorodibromomethane	8.569	129	459405	87.069	ug/L		98
74) 1,3-Dichloropropane	8.675	76	664977	81.897	ug/L		98
75) 1,2-Dibromoethane	8.839	107	376668	80.838	ug/L		87
77) 2-Hexanone	9.121	43	208752	82.634	ug/L		92
78) Chlorobenzene	9.492	112	1292677	81.284	ug/L	#	83
79) Ethylbenzene	9.531	91	2380120	83.243	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.575	131	451033	85.417	ug/L		95
81) p/m Xylene	9.715	106	1824131	165.727	ug/L		97
82) o Xylene	10.261	106	1783478	166.171	ug/L		91

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A11.D
Acq On : 15 Nov 2024 6:07 am
Operator : ELAINE:PID
Sample : I8260STD80PPB
Misc : WG1998028,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 15 11:45:48 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.328	104	3064593	169.129	ug/L		97
85) Bromoform	10.353	173	274464	90.897	ug/L		93
87) Isopropylbenzene	10.643	105	2525019	83.672	ug/L		98
89) Bromobenzene	11.084	156	559181	83.009	ug/L		97
90) n-Propylbenzene	11.129	91	2877120	84.057	ug/L		96
91) 1,4-Dichlorobutane	11.145	55	657189	81.976	ug/L		100
92) 1,1,2,2-Tetrachloroethane	11.218	83	470491	80.755	ug/L		97
93) 4-Ethyltoluene	11.257	105	2344175	82.532	ug/L		100
94) 2-Chlorotoluene	11.296	91	1604553M1	80.710	ug/L		
95) 1,3,5-Trimethylbenzene	11.355	105	2069891	82.359	ug/L		97
96) 1,2,3-Trichloropropane	11.357	75	362199	78.752	ug/L		91
97) trans-1,4-Dichloro-2-b...	11.407	53	142272	85.443	ug/L	#	57
98) 4-Chlorotoluene	11.483	91	1686491	81.996	ug/L		99
99) tert-Butylbenzene	11.698	119	1718883	82.876	ug/L		96
102) 1,2,4-Trimethylbenzene	11.776	105	2096164	83.166	ug/L		97
103) sec-Butylbenzene	11.887	105	2654684	83.828	ug/L		98
104) p-Isopropyltoluene	12.041	119	2217494	84.512	ug/L		97
105) 1,3-Dichlorobenzene	12.107	146	1105764	82.008	ug/L		96
106) 1,4-Dichlorobenzene	12.202	146	1087963	80.448	ug/L		98
107) p-Diethylbenzene	12.417	119	1302511	84.848	ug/L		96
108) n-Butylbenzene	12.476	91	1920150	83.917	ug/L		98
109) 1,2-Dichlorobenzene	12.623	146	1031447	80.397	ug/L		99
110) 1,2,4,5-Tetramethylben...	13.212	119	2043681	83.095	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.404	155	67978	87.247	ug/L		92
112) 1,3,5-Trichlorobenzene	13.438	180	747936	81.737	ug/L		94
113) Hexachlorobutadiene	14.012	225	198264	81.160	ug/L		92
114) 1,2,4-Trichlorobenzene	14.037	180	661029	82.733	ug/L		99
115) Naphthalene	14.327	128	1606060	85.593	ug/L		100
116) 1,2,3-Trichlorobenzene	14.497	180	599108	83.998	ug/L		94

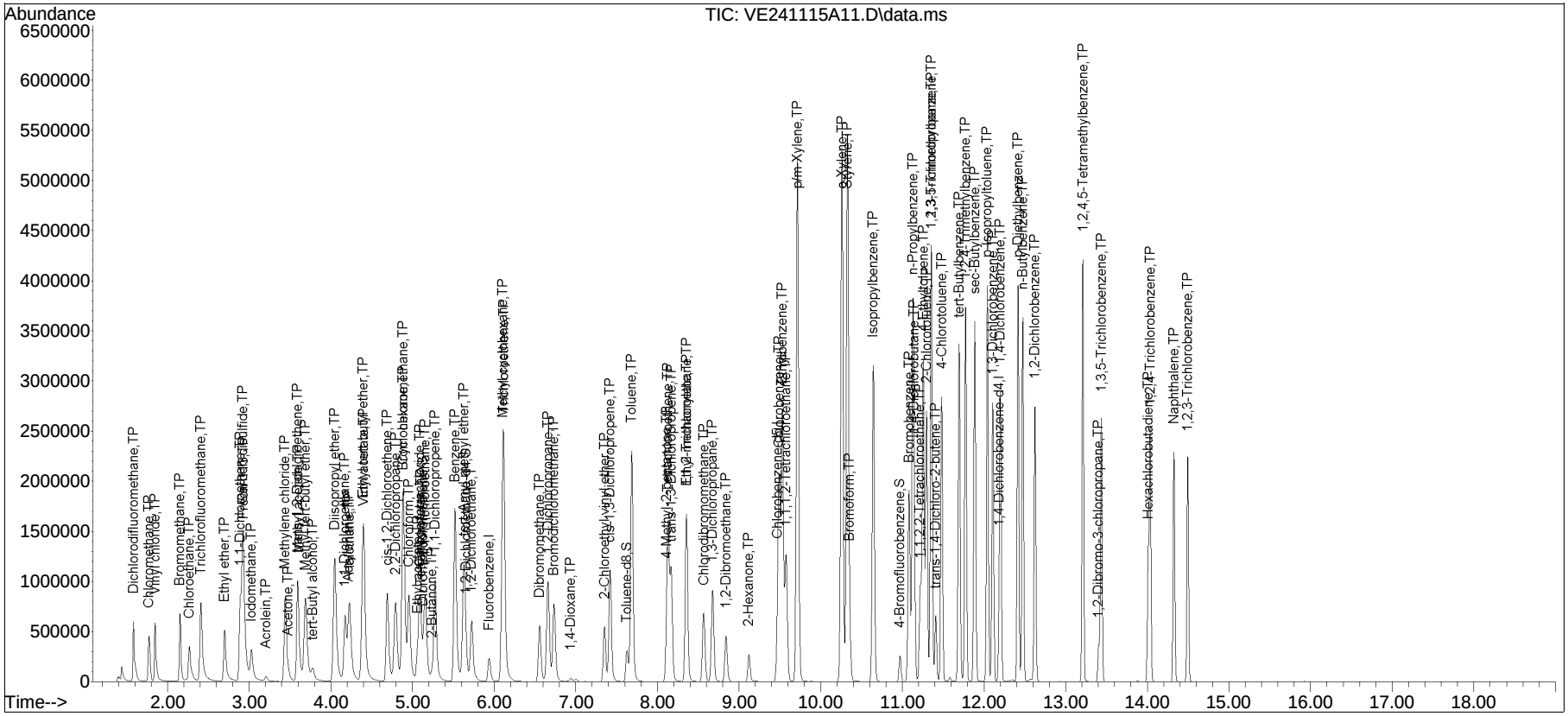
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A11.D
Acq On : 15 Nov 2024 6:07 am
Operator : ELAINE:PID
Sample : I8260STD80PPB
Misc : WG1998028,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 15 11:45:48 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

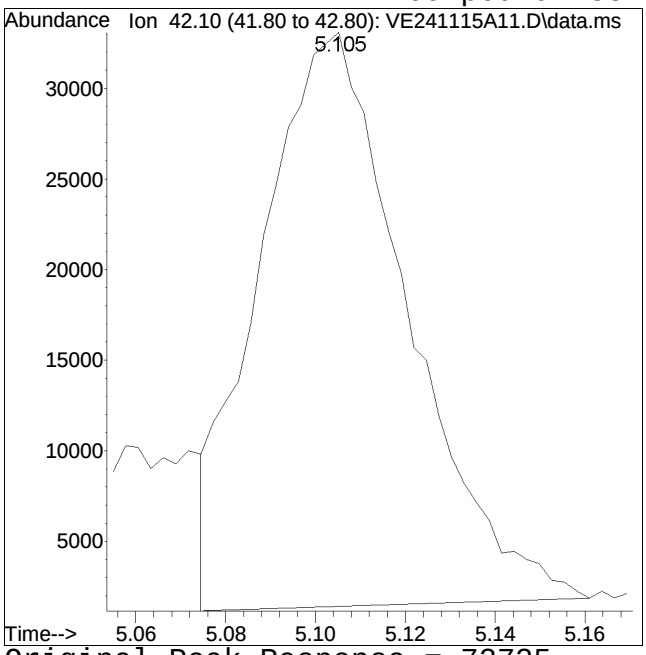
Sub List : 8260-Curve - Megamix plus Diox\VE241115A09.D•

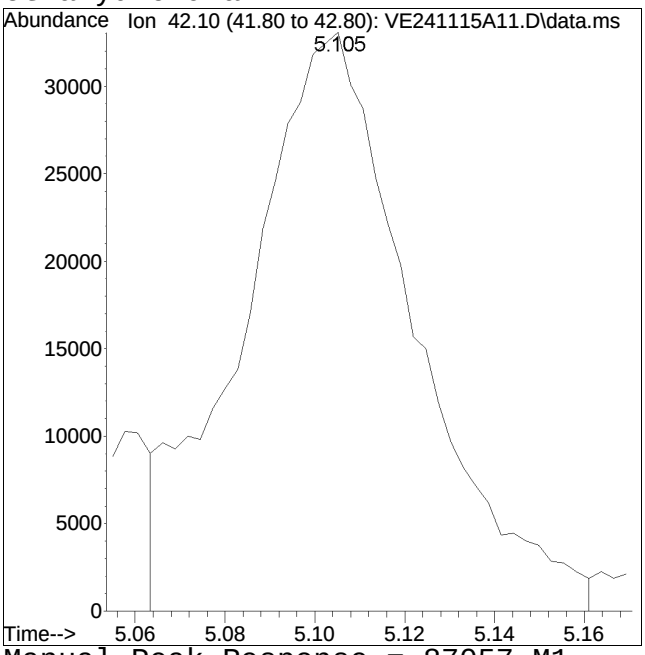


Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A11.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 6:07 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 11/15/2024 11:45 am

Compound #38: Tetrahydrofuran



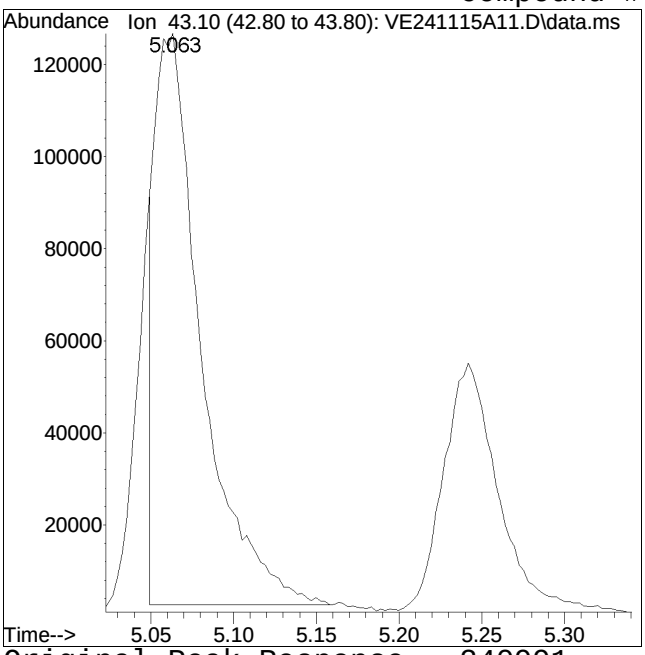


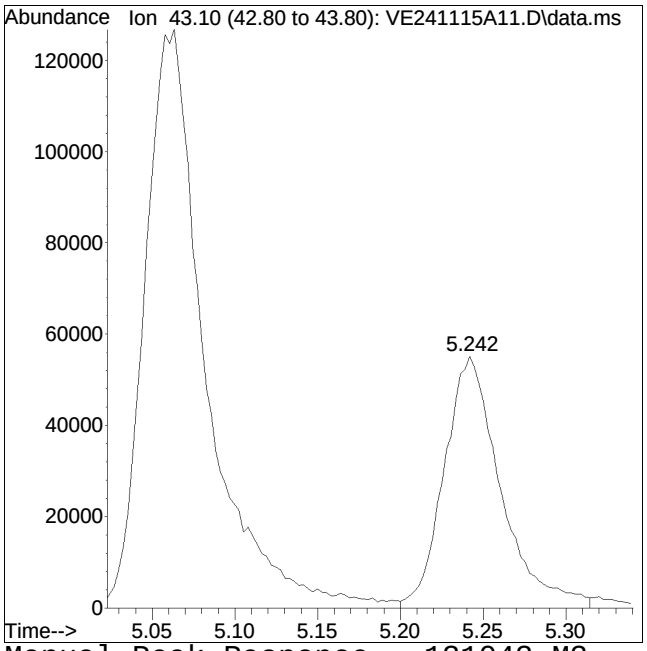
Original Peak Response = 72725 Manual Peak Response = 87057 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A11.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 6:07 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 11/15/2024 11:45 am

Compound #42: 2-Butanone





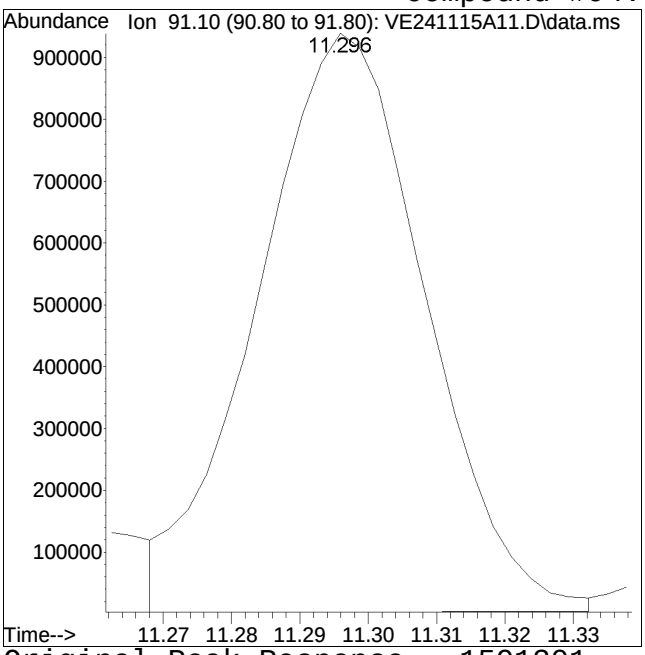
Original Peak Response = 240991 Manual Peak Response = 131043 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

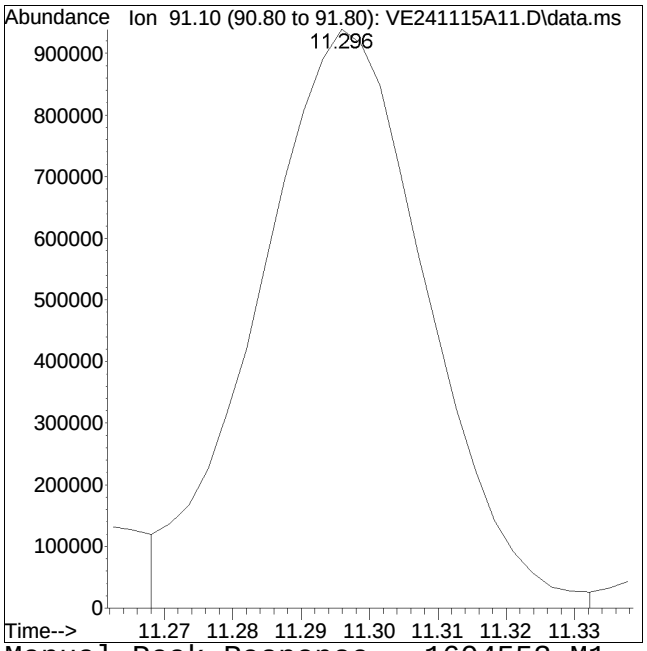
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A11.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 6:07 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 11/15/2024 11:45 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 1591301



Manual Peak Response = 1604553 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A12.D
Acq On : 15 Nov 2024 6:32 am
Operator : ELAINE:PID
Sample : I8260STD120PPB
Misc : WG1998028,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 15 11:45:55 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.942	96	271467	10.000	ug/L	0.00
Standard Area 1 = 258108			Recovery = 105.18%			
63) Chlorobenzene-d5	9.467	117	195889	10.000	ug/L	0.00
Standard Area 1 = 187202			Recovery = 104.64%			
84) 1,4-Dichlorobenzene-d4	12.188	152	102518	10.000	ug/L	0.00
Standard Area 1 = 99398			Recovery = 103.14%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.133	113	60301	9.688	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.88%			
47) 1,2-Dichloroethane-d4	5.652	65	72241	9.809	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.09%			
64) Toluene-d8	7.632	98	262391	9.822	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.22%			
88) 4-Bromofluorobenzene	10.975	95	95646	10.155	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.55%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.583	85	756754	124.763	ug/L	95
3) Chloromethane	1.773	50	688689	114.916	ug/L	97
4) Vinyl chloride	1.845	62	798886	125.101	ug/L	94
5) Bromomethane	2.152	94	515128	114.927	ug/L	93
6) Chloroethane	2.264	64	570275	123.340	ug/L	99
7) Trichlorofluoromethane	2.411	101	1166902	125.243	ug/L	94
8) Ethyl ether	2.699	74	362414	125.789	ug/L	88
10) 1,1-Dichloroethene	2.894	96	588882	124.111	ug/L	96
11) Carbon disulfide	2.919	76	1765108	123.868	ug/L	97
12) Freon-113	2.930	101	611015	122.110	ug/L	96
13) Iodomethane	3.028	142	571309	131.141	ug/L #	93
14) Acrolein	3.206	56	70450M1	121.600	ug/L	
15) Methylene chloride	3.443	84	697991	117.841	ug/L	82
17) Acetone	3.479	43	127794	109.629	ug/L	94
18) trans-1,2-Dichloroethene	3.594	96	648162	122.662	ug/L	96
19) Methyl acetate	3.596	43	307533	118.094	ug/L #	85
21) Methyl tert-butyl ether	3.689	73	1756860	124.385	ug/L	87
22) tert-Butyl alcohol	3.778	59	226034	634.967	ug/L #	70
24) Diisopropyl ether	4.048	45	2205292	124.441	ug/L #	92
25) 1,1-Dichloroethane	4.177	63	1288338	121.983	ug/L	99
26) Halothane	4.230	117	500656	122.867	ug/L	94

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A12.D
Acq On : 15 Nov 2024 6:32 am
Operator : ELAINE:PID
Sample : I8260STD120PPB
Misc : WG1998028,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 15 11:45:55 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.218	53	167494	117.227	ug/L		88
28) Ethyl tert-butyl ether	4.394	59	2320375	124.967	ug/L		95
29) Vinyl acetate	4.405	43	1562954	127.415	ug/L		96
30) cis-1,2-Dichloroethene	4.690	96	735508	121.941	ug/L		89
31) 2,2-Dichloropropane	4.796	77	1022862	122.734	ug/L		85
33) Bromochloromethane	4.882	128	316313	115.108	ug/L		84
34) Cyclohexane	4.888	56	1309264	121.946	ug/L		78
35) Chloroform	4.957	83	1217459	122.860	ug/L		94
36) Ethyl acetate	5.058	43	500765	121.006	ug/L	#	92
37) Carbon tetrachloride	5.094	117	912976	127.038	ug/L		94
38) Tetrahydrofuran	5.102	42	140027M1	122.026	ug/L		
40) 1,1,1-Trichloroethane	5.158	97	1072192	122.549	ug/L		92
42) 2-Butanone	5.242	43	209793M3	126.210	ug/L		
43) 1,1-Dichloropropene	5.278	75	929932	121.303	ug/L		94
45) Benzene	5.521	78	2952887	122.307	ug/L		93
46) tert-Amyl methyl ether	5.629	73	1959797	126.128	ug/L		90
48) 1,2-Dichloroethane	5.724	62	913337	118.941	ug/L		100
51) Methyl cyclohexane	6.109	83	1334084	124.082	ug/L		85
52) Trichloroethene	6.117	95	710299	124.083	ug/L		96
54) Dibromomethane	6.558	93	406208	124.165	ug/L		90
55) 1,2-Dichloropropane	6.661	63	755932	123.247	ug/L		95
57) 2-Chloroethyl vinyl ether	7.350	63	455028	126.117	ug/L		90
58) Bromodichloromethane	6.734	83	993255	124.781	ug/L		94
61) 1,4-Dioxane	6.940	88	50027	1248.173	ug/L	#	82
62) cis-1,3-Dichloropropene	7.423	75	1190163	129.536	ug/L		90
65) Toluene	7.687	92	1850300	120.201	ug/L		94
66) 4-Methyl-2-pentanone	8.117	58	207019	127.969	ug/L		76
67) Tetrachloroethene	8.131	166	743008	120.055	ug/L		97
69) trans-1,3-Dichloropropene	8.170	75	1026729	134.693	ug/L		86
71) Ethyl methacrylate	8.357	69	733868	126.226	ug/L		98
72) 1,1,2-Trichloroethane	8.357	83	485735	120.062	ug/L		99
73) Chlorodibromomethane	8.566	129	710886	130.964	ug/L		98
74) 1,3-Dichloropropane	8.677	76	1012473	121.208	ug/L		97
75) 1,2-Dibromoethane	8.839	107	584212	121.875	ug/L		88
77) 2-Hexanone	9.124	43	325029	125.064	ug/L		90
78) Chlorobenzene	9.489	112	1959286	119.757	ug/L	#	82
79) Ethylbenzene	9.531	91	3592512	122.132	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.575	131	681613	125.475	ug/L		96
81) p/m Xylene	9.718	106	2800134	247.287	ug/L		97
82) o Xylene	10.261	106	2778031	251.598	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A12.D
Acq On : 15 Nov 2024 6:32 am
Operator : ELAINE:PID
Sample : I8260STD120PPB
Misc : WG1998028,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 15 11:45:55 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.328	104	4736981	254.115	ug/L		98
85) Bromoform	10.356	173	423668	139.817	ug/L		94
87) Isopropylbenzene	10.646	105	3811609	125.861	ug/L		98
89) Bromobenzene	11.084	156	843235	124.735	ug/L		97
90) n-Propylbenzene	11.131	91	4326746	125.964	ug/L		97
91) 1,4-Dichlorobutane	11.145	55	1005989	125.043	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.221	83	720544	123.239	ug/L		98
93) 4-Ethyltoluene	11.257	105	3505438	122.983	ug/L		100
94) 2-Chlorotoluene	11.299	91	2457698M4	123.188	ug/L		
95) 1,3,5-Trimethylbenzene	11.357	105	3105458	123.128	ug/L		97
96) 1,2,3-Trichloropropane	11.357	75	567743	123.008	ug/L		92
97) trans-1,4-Dichloro-2-b...	11.410	53	222856	133.368	ug/L	#	58
98) 4-Chlorotoluene	11.483	91	2569030	124.464	ug/L		100
99) tert-Butylbenzene	11.697	119	2570138	123.483	ug/L		97
102) 1,2,4-Trimethylbenzene	11.776	105	3144051	124.302	ug/L		97
103) sec-Butylbenzene	11.887	105	3936872	123.878	ug/L		98
104) p-Isopropyltoluene	12.043	119	3267030	124.074	ug/L		97
105) 1,3-Dichlorobenzene	12.107	146	1634894	120.823	ug/L		97
106) 1,4-Dichlorobenzene	12.202	146	1624728	119.716	ug/L		99
107) p-Diethylbenzene	12.417	119	1911310	124.068	ug/L		96
108) n-Butylbenzene	12.476	91	2807328	122.257	ug/L		98
109) 1,2-Dichlorobenzene	12.626	146	1540726	119.671	ug/L		99
110) 1,2,4,5-Tetramethylben...	13.212	119	3203373	129.788	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.404	155	112496	143.875	ug/L		91
112) 1,3,5-Trichlorobenzene	13.438	180	1154650	125.740	ug/L		93
113) Hexachlorobutadiene	14.012	225	303187	123.674	ug/L		93
114) 1,2,4-Trichlorobenzene	14.037	180	983952	122.715	ug/L		99
115) Naphthalene	14.327	128	2469864	131.165	ug/L		100
116) 1,2,3-Trichlorobenzene	14.497	180	900770	125.849	ug/L		94

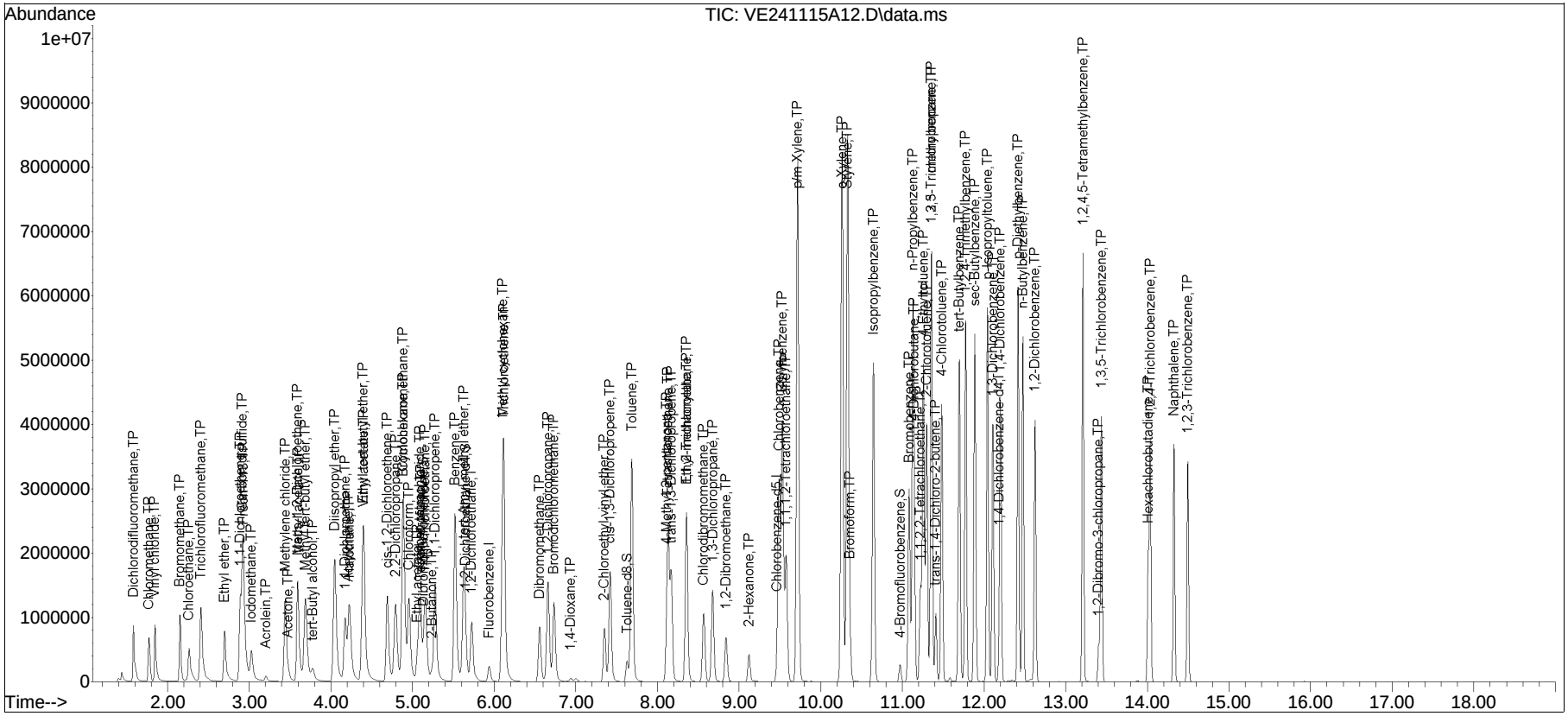
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A12.D
Acq On : 15 Nov 2024 6:32 am
Operator : ELAINE:PID
Sample : I8260STD120PPB
Misc : WG1998028,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 15 11:45:55 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\VE241115A09.D•

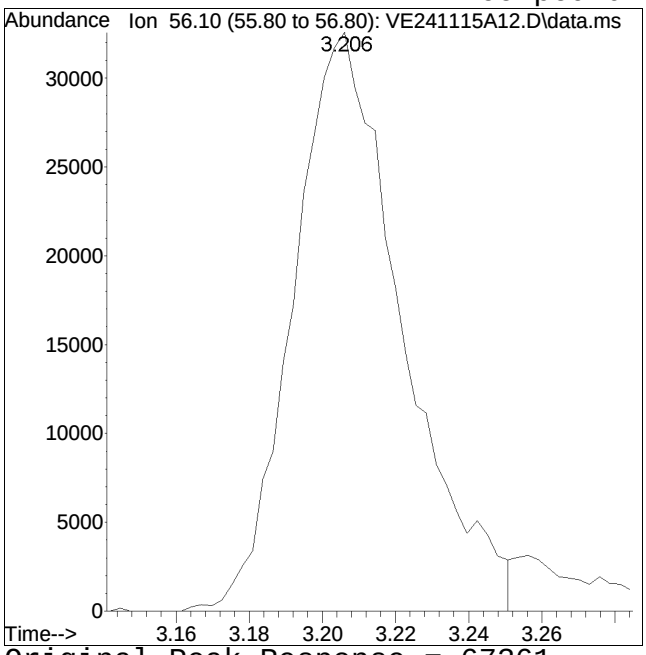


Manual Integration Report

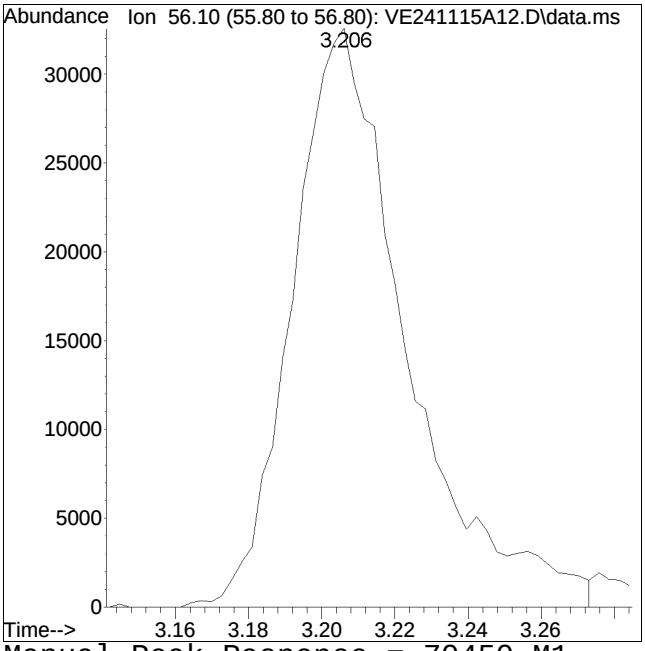
Data Path : K:\Elaine\2024\241115AICALQ
Data File : VE241115A12.D
Date Inj'd : 11/15/2024 6:32 am
Sample : I8260STD120PPB

Method : Elaine_241115A_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 11/15/2024 11:45 am

Compound #14: Acrolein



Original Peak Response = 67361



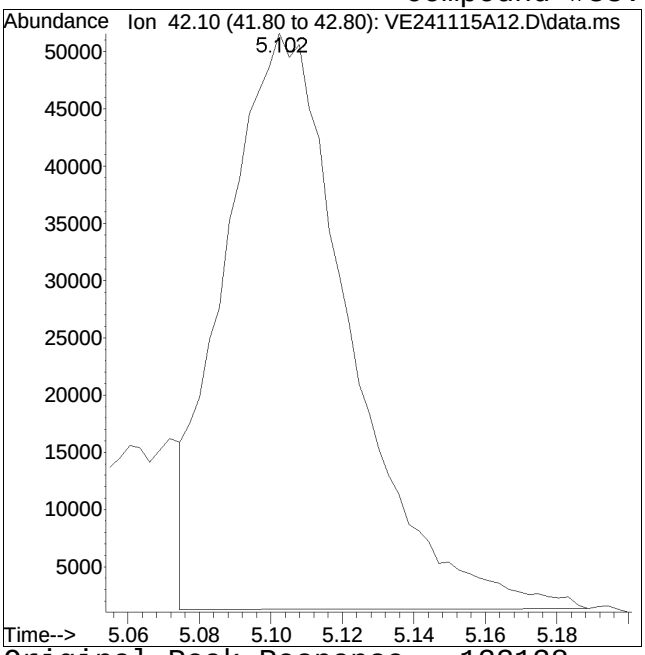
Manual Peak Response = 70450 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

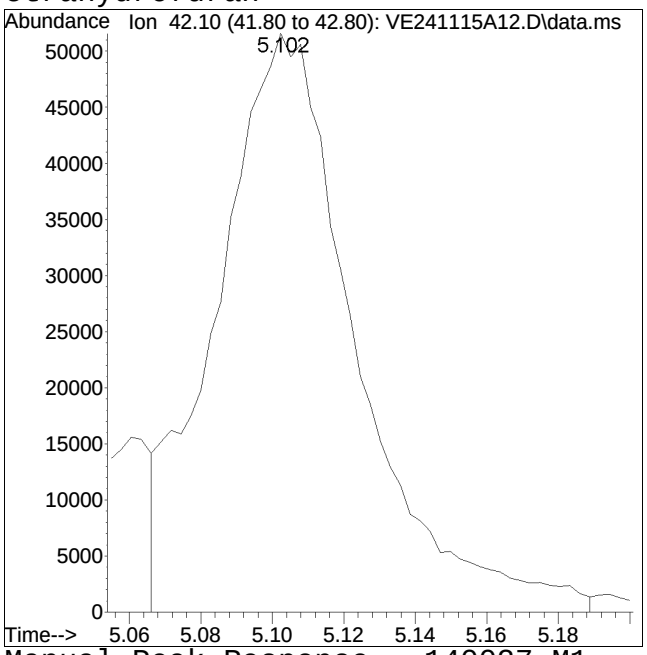
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A12.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 6:32 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 11/15/2024 11:45 am

Compound #38: Tetrahydrofuran



Original Peak Response = 123138



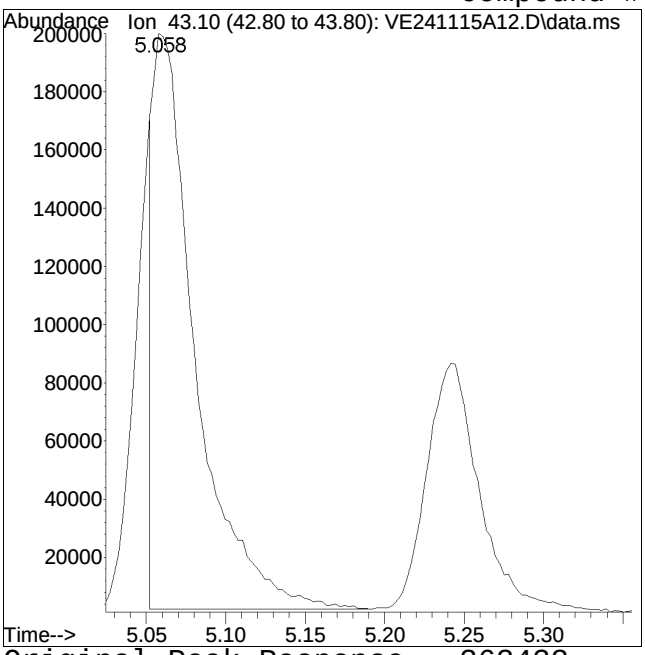
Manual Peak Response = 140027 M1

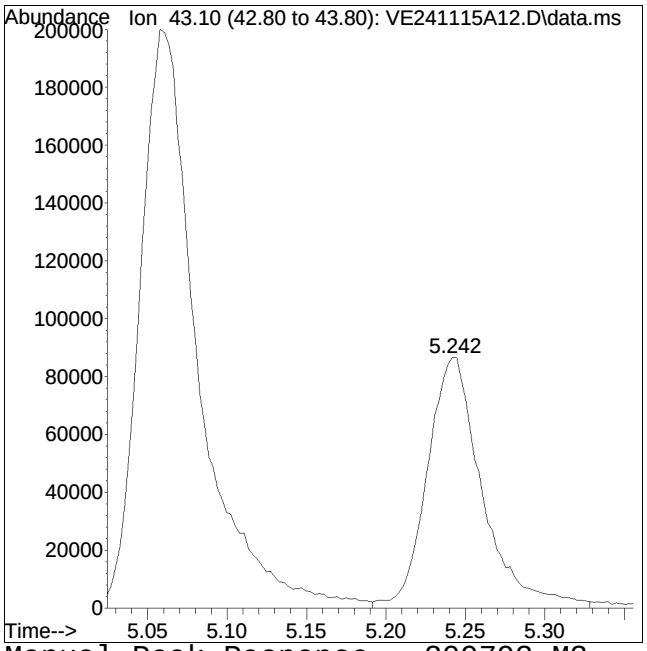
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A12.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 6:32 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 11/15/2024 11:45 am

Compound #42: 2-Butanone



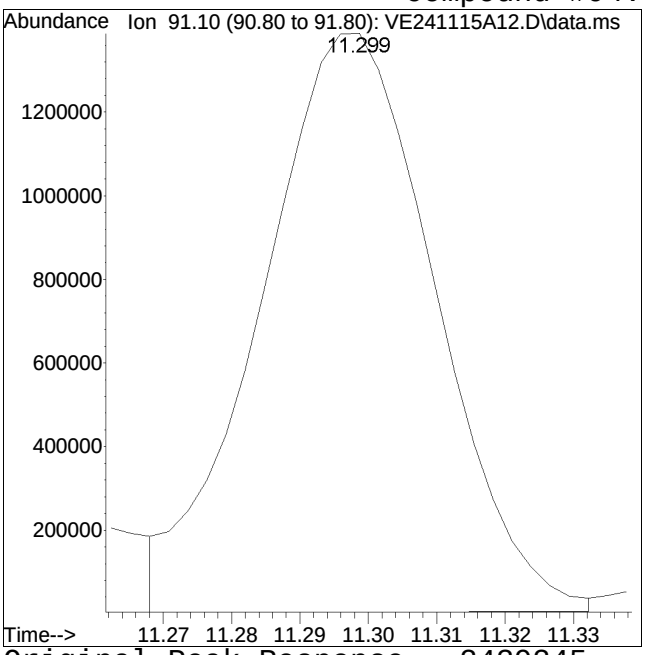


Original Peak Response = 363433 Manual Peak Response = 209793 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

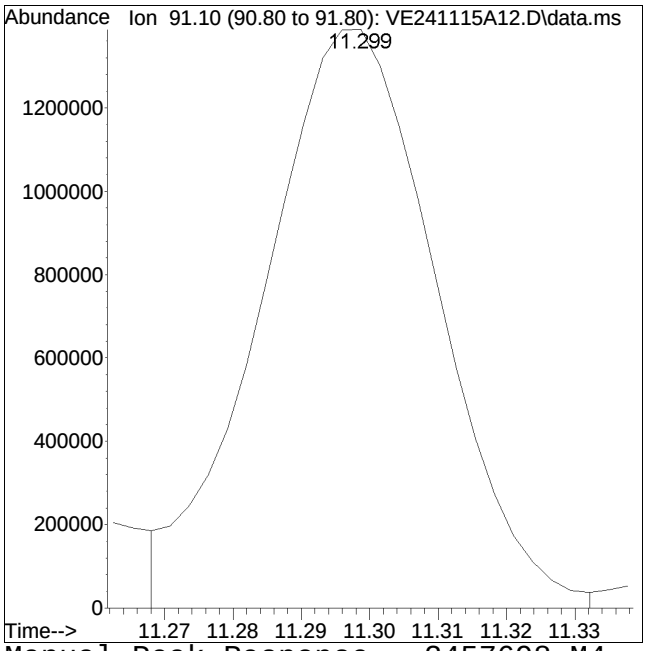
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A12.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 6:32 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 11/15/2024 11:45 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 2439245



Manual Peak Response = 2457698 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A13.D
Acq On : 15 Nov 2024 6:56 am
Operator : ELAINE:PID
Sample : I8260STD200PPB
Misc : WG1998028,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 15 11:46:02 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.939	96	281809	10.000	ug/L	0.00
Standard Area 1 = 258108			Recovery = 109.18%			
63) Chlorobenzene-d5	9.472	117	200657	10.000	ug/L	0.00
Standard Area 1 = 187202			Recovery = 107.19%			
84) 1,4-Dichlorobenzene-d4	12.188	152	109443	10.000	ug/L	0.00
Standard Area 1 = 99398			Recovery = 110.11%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.136	113	61963	9.589	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.89%			
47) 1,2-Dichloroethane-d4	5.655	65	76590	10.018	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.18%			
64) Toluene-d8	7.626	98	273276	9.986	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.86%			
88) 4-Bromofluorobenzene	10.973	95	99235	9.869	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.69%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.583	85	1308064	207.741	ug/L	94
3) Chloromethane	1.773	50	1158680	186.245	ug/L	98
4) Vinyl chloride	1.845	62	1402789	211.607	ug/L	95
5) Bromomethane	2.152	94	901071	193.656	ug/L	94
6) Chloroethane	2.258	64	997751	207.876	ug/L	100
7) Trichlorofluoromethane	2.409	101	2014174	208.246	ug/L	94
8) Ethyl ether	2.699	74	633683	211.872	ug/L	89
10) 1,1-Dichloroethene	2.891	96	1013284	205.720	ug/L	95
11) Carbon disulfide	2.919	76	3051924	206.311	ug/L	96
12) Freon-113	2.927	101	1051263	202.383	ug/L	98
13) Iodomethane	3.028	142	994965	220.008	ug/L	93
14) Acrolein	3.203	56	124341	206.742	ug/L #	71
15) Methylene chloride	3.440	84	1200027	195.164	ug/L	82
17) Acetone	3.477	43	219577	181.453	ug/L	93
18) trans-1,2-Dichloroethene	3.594	96	1110974	202.532	ug/L	94
19) Methyl acetate	3.597	43	527254	195.037	ug/L #	83
21) Methyl tert-butyl ether	3.689	73	3066117	209.113	ug/L #	86
22) tert-Butyl alcohol	3.781	59	401030	1085.217	ug/L #	71
24) Diisopropyl ether	4.046	45	3871308	210.434	ug/L	92
25) 1,1-Dichloroethane	4.174	63	2246240	204.874	ug/L	99
26) Halothane	4.227	117	871041	205.919	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A13.D
Acq On : 15 Nov 2024 6:56 am
Operator : ELAINE:PID
Sample : I8260STD200PPB
Misc : WG1998028,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 15 11:46:02 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.216	53	297228	200.392	ug/L		90
28) Ethyl tert-butyl ether	4.394	59	4074726	211.397	ug/L		95
29) Vinyl acetate	4.405	43	2772979	217.763	ug/L		97
30) cis-1,2-Dichloroethene	4.690	96	1315192	210.046	ug/L		87
31) 2,2-Dichloropropane	4.793	77	1752196	202.531	ug/L		86
33) Bromochloromethane	4.885	128	545333	191.166	ug/L		84
34) Cyclohexane	4.888	56	2265418	203.259	ug/L		76
35) Chloroform	4.957	83	2023349	196.693	ug/L		93
36) Ethyl acetate	5.058	43	869393	202.373	ug/L	#	91
37) Carbon tetrachloride	5.089	117	1622027	217.418	ug/L		95
38) Tetrahydrofuran	5.103	42	232404M1	195.095	ug/L		
40) 1,1,1-Trichloroethane	5.155	97	1860812	204.881	ug/L		91
42) 2-Butanone	5.239	43	357848M3	207.378	ug/L		
43) 1,1-Dichloropropene	5.278	75	1622390	203.862	ug/L		94
45) Benzene	5.521	78	5096565	203.350	ug/L		93
46) tert-Amyl methyl ether	5.630	73	3423253	212.227	ug/L		90
48) 1,2-Dichloroethane	5.724	62	1583341	198.627	ug/L		100
51) Methyl cyclohexane	6.109	83	2341916	209.825	ug/L		86
52) Trichloroethene	6.118	95	1242807	209.141	ug/L		97
54) Dibromomethane	6.555	93	702879	206.963	ug/L		91
55) 1,2-Dichloropropane	6.659	63	1295661	203.493	ug/L		95
57) 2-Chloroethyl vinyl ether	7.353	63	789790	210.867	ug/L		89
58) Bromodichloromethane	6.737	83	1723047	208.520	ug/L		93
61) 1,4-Dioxane	6.937	88	84169M1	2022.948	ug/L		
62) cis-1,3-Dichloropropene	7.423	75	2044724	214.379	ug/L		91
65) Toluene	7.688	92	3217073	204.025	ug/L		95
66) 4-Methyl-2-pentanone	8.117	58	355693	214.647	ug/L		77
67) Tetrachloroethene	8.134	166	1288602	203.265	ug/L		97
69) trans-1,3-Dichloropropene	8.170	75	1761992	225.657	ug/L		86
71) Ethyl methacrylate	8.357	69	1274607	214.025	ug/L		99
72) 1,1,2-Trichloroethane	8.354	83	845729	204.077	ug/L		98
73) Chlorodibromomethane	8.566	129	1222353	219.839	ug/L		98
74) 1,3-Dichloropropane	8.678	76	1732855	202.519	ug/L		98
75) 1,2-Dibromoethane	8.842	107	1003585	204.387	ug/L		88
77) 2-Hexanone	9.121	43	562247	211.200	ug/L		92
78) Chlorobenzene	9.492	112	3357852	200.364	ug/L	#	82
79) Ethylbenzene	9.531	91	6160677	204.463	ug/L		100
80) 1,1,1,2-Tetrachloroethane	9.575	131	1166248	209.588	ug/L		96
81) p/m Xylene	9.720	106	5016119	432.460	ug/L		95
82) o Xylene	10.264	106	4891567	432.488	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A13.D
Acq On : 15 Nov 2024 6:56 am
Operator : ELAINE:PID
Sample : I8260STD200PPB
Misc : WG1998028,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 15 11:46:02 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.334	104	8267009	432.945	ug/L		98
85) Bromoform	10.356	173	737369	227.946	ug/L		94
87) Isopropylbenzene	10.646	105	6593001	203.928	ug/L		98
89) Bromobenzene	11.084	156	1422596	197.121	ug/L		98
90) n-Propylbenzene	11.132	91	7431252	202.656	ug/L		97
91) 1,4-Dichlorobutane	11.145	55	1698519	197.765	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.221	83	1209963	193.853	ug/L		97
93) 4-Ethyltoluene	11.260	105	6019443	197.820	ug/L		99
94) 2-Chlorotoluene	11.299	91	4254282M1	199.747	ug/L		
95) 1,3,5-Trimethylbenzene	11.357	105	5430535	201.690	ug/L		96
96) 1,2,3-Trichloropropane	11.360	75	959908	194.816	ug/L		91
97) trans-1,4-Dichloro-2-b...	11.413	53	378271	212.052	ug/L	#	57
98) 4-Chlorotoluene	11.483	91	4445506	201.748	ug/L		100
99) tert-Butylbenzene	11.698	119	4444587	200.029	ug/L		98
102) 1,2,4-Trimethylbenzene	11.776	105	5460752	202.233	ug/L		97
103) sec-Butylbenzene	11.890	105	6904336	203.506	ug/L		98
104) p-Isopropyltoluene	12.046	119	5849865	208.106	ug/L		98
105) 1,3-Dichlorobenzene	12.110	146	2874599	198.999	ug/L		97
106) 1,4-Dichlorobenzene	12.205	146	2881966	198.917	ug/L		99
107) p-Diethylbenzene	12.420	119	3510124	213.434	ug/L		96
108) n-Butylbenzene	12.478	91	5127270	209.161	ug/L		98
109) 1,2-Dichlorobenzene	12.626	146	2744800	199.704	ug/L		99
110) 1,2,4,5-Tetramethylben...	13.212	119	5613733	213.055	ug/L		98
111) 1,2-Dibromo-3-chloropr...	13.407	155	192838	231.022	ug/L		92
112) 1,3,5-Trichlorobenzene	13.441	180	1971478	201.108	ug/L		94
113) Hexachlorobutadiene	14.012	225	507039	193.741	ug/L		93
114) 1,2,4-Trichlorobenzene	14.037	180	1675473	195.737	ug/L		99
115) Naphthalene	14.327	128	4193145	208.592	ug/L		100
116) 1,2,3-Trichlorobenzene	14.497	180	1547760	202.558	ug/L		95

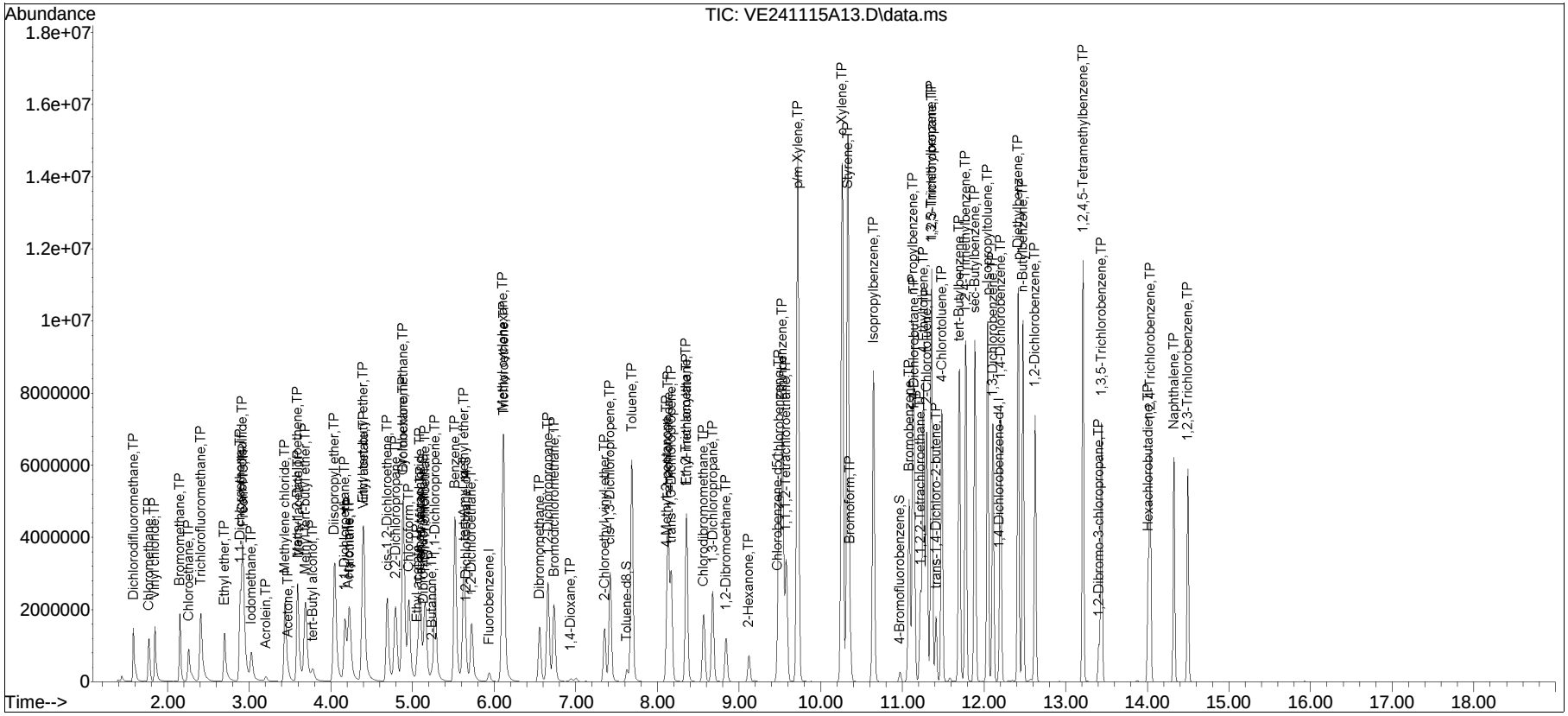
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A13.D
Acq On : 15 Nov 2024 6:56 am
Operator : ELAINE:PID
Sample : I8260STD200PPB
Misc : WG1998028,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 15 11:46:02 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:44:38 2024
Response via : Initial Calibration

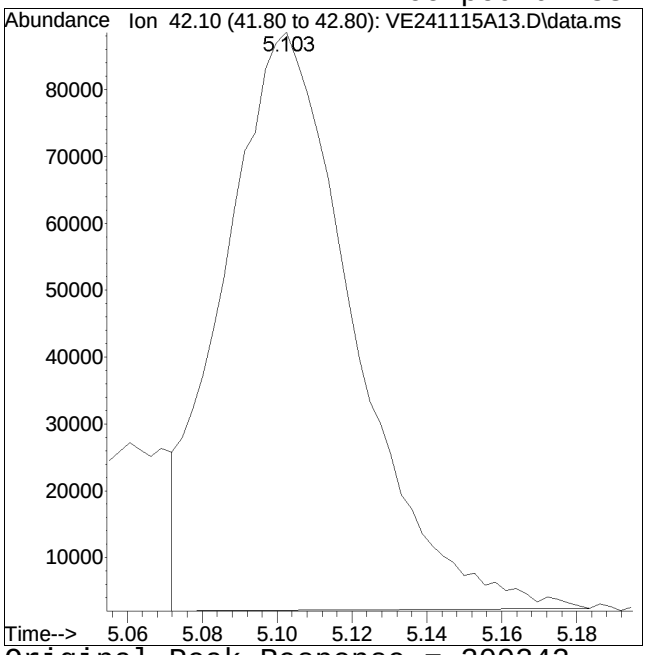
Sub List : 8260-Curve - Megamix plus Diox\VE241115A09.D•

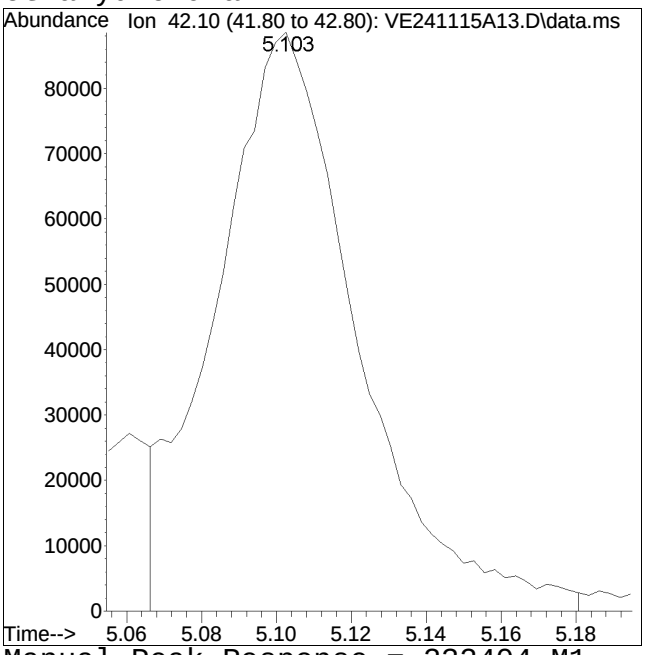


Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A13.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 6:56 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 11/15/2024 11:45 am

Compound #38: Tetrahydrofuran



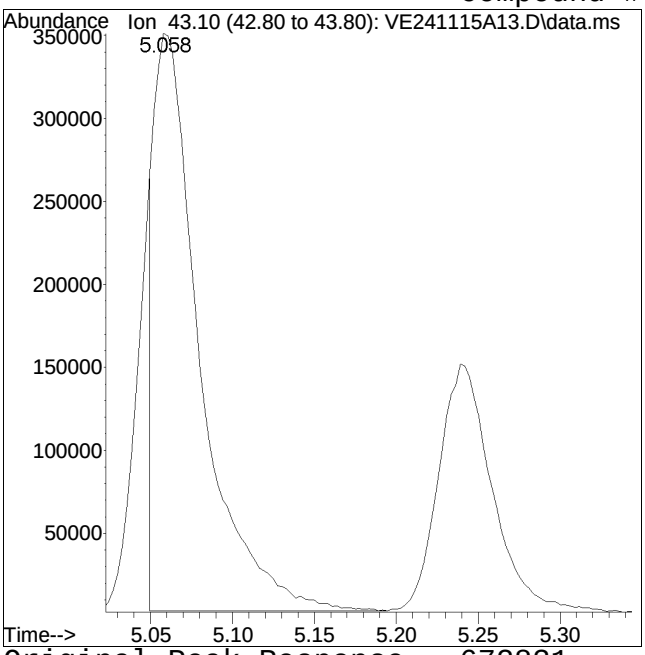


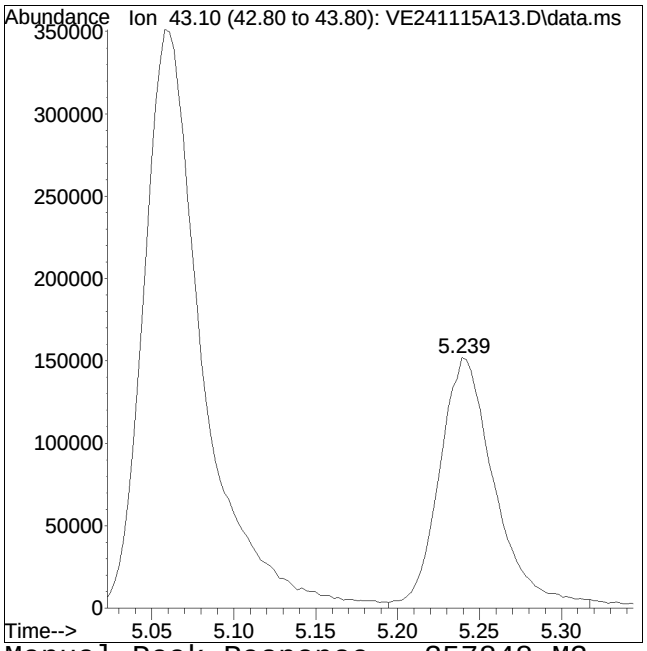
Original Peak Response = 209242 Manual Peak Response = 232404 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A13.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 6:56 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 11/15/2024 11:45 am

Compound #42: 2-Butanone



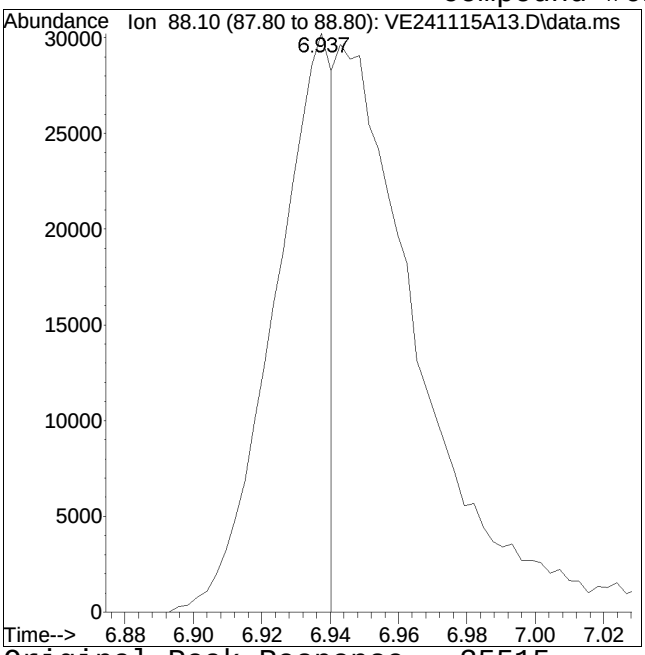


Original Peak Response = 672831 Manual Peak Response = 357848 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

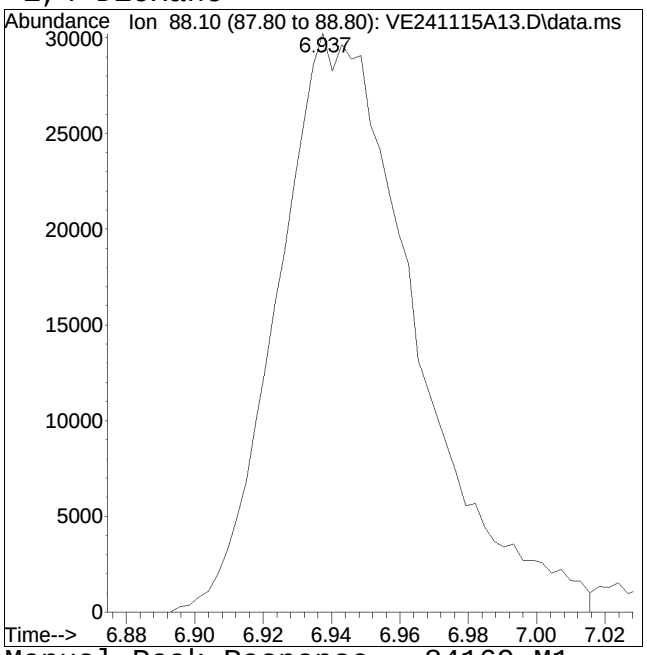
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A13.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 6:56 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 11/15/2024 11:45 am

Compound #61: 1,4-Dioxane



Original Peak Response = 35515



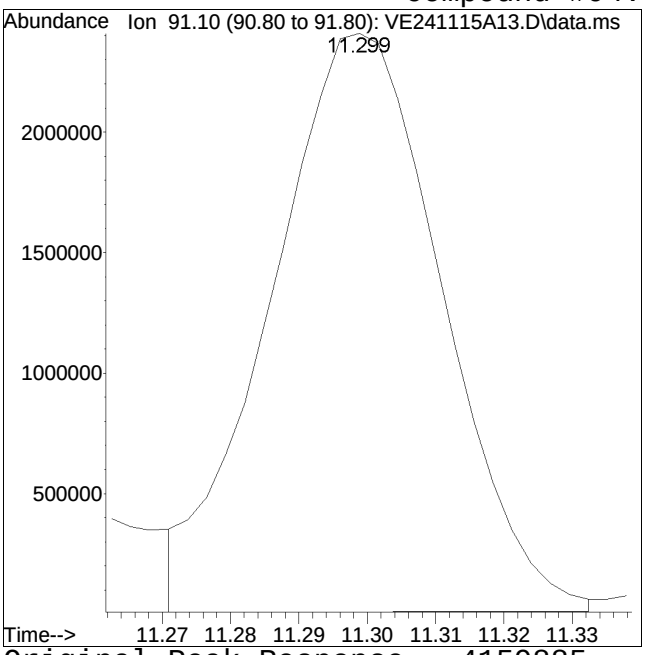
Manual Peak Response = 84169 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

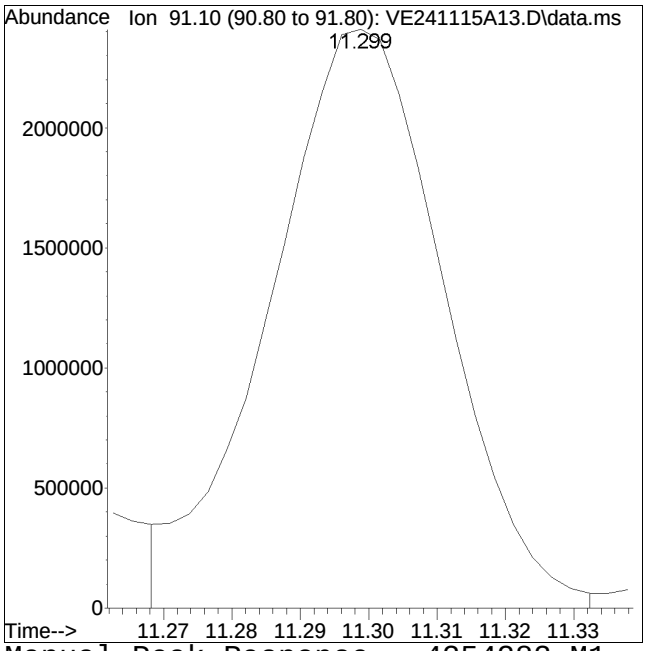
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A13.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 6:56 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 11/15/2024 11:45 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 4159885



Manual Peak Response = 4254282 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A18.D
Acq On : 15 Nov 2024 8:59 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG1998028,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 11:51:50 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TP	Dichlorodifluoromethane	0.223	0.182	18.4	73	0.00
3	TP	Chloromethane	0.221	0.223	-0.9	95	0.00
4	TP	Vinyl chloride	0.235	0.245	-4.3	95	0.00
5	TP	Bromomethane	0.165	0.182	-10.3	110	0.00
6	TP	Chloroethane	0.170	0.172	-1.2	95	0.00
7	TP	Trichlorofluoromethane	0.343	0.371	-8.2	97	0.00
8	TP	Ethyl ether	0.106	0.129	-21.7#	121	0.00
10	TP	1,1-Dichloroethene	0.175	0.171	2.3	95	0.00
11	TP	Carbon disulfide	0.525	0.527	-0.4	94	0.00
12	TP	Freon-113	0.184	0.204	-10.9	100	0.00
13	TP	Iodomethane	0.160	0.214	-33.8#	147	0.00
14	TP	Acrolein	0.021	0.030	-42.9#	135	0.00
15	TP	Methylene chloride	0.218	0.204	6.4	92	0.00
17	TP	Acetone	0.043	0.046	-7.0	113	0.00
18	TP	trans-1,2-Dichloroethene	0.195	0.187	4.1	91	0.00
19	TP	Methyl acetate	0.096	0.097	-1.0	102	0.00
21	TP	Methyl tert-butyl ether	0.520	0.546	-5.0	103	0.00
22	TP	tert-Butyl alcohol	0.013	0.015	-15.4	109	0.00
24	TP	Diisopropyl ether	0.653	0.662	-1.4	99	0.00
25	TP	1,1-Dichloroethane	0.389	0.401	-3.1	99	0.00
26	TP	Halothane	0.150	0.158	-5.3	100	0.00
27	TP	Acrylonitrile	0.053	0.056	-5.7	105	0.00
28	TP	Ethyl tert-butyl ether	0.684	0.716	-4.7	105	0.00
29	TP	Vinyl acetate	0.452	0.432	4.4	96	0.00
30	TP	cis-1,2-Dichloroethene	0.222	0.231	-4.1	100	0.00
31	TP	2,2-Dichloropropane	0.307	0.298	2.9	91	0.00
33	TP	Bromochloromethane	0.101	0.103	-2.0	96	0.00
34	TP	Cyclohexane	0.395	0.406	-2.8	95	0.00
35	TP	Chloroform	0.365	0.371	-1.6	103	0.00
36	TP	Ethyl acetate	0.152	0.156	-2.6	99	0.00
37	TP	Carbon tetrachloride	0.265	0.279	-5.3	99	0.00
38	TP	Tetrahydrofuran	0.042	0.045	-7.1	108	0.00
39	S	Dibromofluoromethane	0.229	0.229	0.0	97	0.00
40	TP	1,1,1-Trichloroethane	0.322	0.341	-5.9	99	0.00
42	TP	2-Butanone	0.061	0.060	1.6	111	0.00
43	TP	1,1-Dichloropropene	0.282	0.301	-6.7	100	0.00
45	TP	Benzene	0.889	0.892	-0.3	97	0.00
46	TP	tert-Amyl methyl ether	0.572	0.588	-2.8	103	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A18.D
Acq On : 15 Nov 2024 8:59 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG1998028,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 11:51:50 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	S	1,2-Dichloroethane-d4	0.271	0.272	-0.4	100	0.00
48	T	1,2-Dichloroethane	0.283	0.291	-2.8	102	0.00
51	TP	Methyl cyclohexane	0.396	0.411	-3.8	99	0.00
52	TP	Trichloroethene	0.211	0.224	-6.2	100	0.00
54	TP	Dibromomethane	0.121	0.124	-2.5	99	0.00
55	TP	1,2-Dichloropropane	0.226	0.234	-3.5	100	0.00
57	TP	2-Chloroethyl vinyl ether	0.133	0.133	0.0	98	0.00
58	TP	Bromodichloromethane	0.293	0.289#	1.4	95	0.00
61	TP	1,4-Dioxane	0.00148	0.00166#	-12.2	105	0.00
62	TP	cis-1,3-Dichloropropene	0.338	0.354	-4.7	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64	S	Toluene-d8	1.364	1.375	-0.8	101	0.00
65	TP	Toluene	0.786	0.799	-1.7	98	0.00
66	TP	4-Methyl-2-pentanone	0.083	0.090	-8.4	115	0.00
67	TP	Tetrachloroethene	0.316	0.336	-6.3	100	0.00
69	TP	trans-1,3-Dichloropropene	0.389	0.417	-7.2	101	0.00
71	TP	Ethyl methacrylate	0.297	0.350	-17.8	116	0.00
72	TP	1,1,2-Trichloroethane	0.207	0.208	-0.5	99	0.00
73	TP	Chlorodibromomethane	0.277	0.275	0.7	100	0.00
74	TP	1,3-Dichloropropane	0.426	0.432	-1.4	100	0.00
75	TP	1,2-Dibromoethane	0.245	0.249	-1.6	102	0.00
77	TP	2-Hexanone	0.133	0.139	-4.5	107	0.00
78	TP	Chlorobenzene	0.835	0.861	-3.1	101	0.00
79	TP	Ethylbenzene	1.502	1.545	-2.9	99	0.00
80	TP	1,1,1,2-Tetrachloroethane	0.277	0.288	-4.0	100	0.00
81	TP	p/m Xylene	0.578	0.590	-2.1	100	0.00
82	TP	o Xylene	0.564	0.580	-2.8	101	0.00
83	TP	Styrene	0.952	0.967	-1.6	102	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
85	TP	Bromoform	0.296	0.307	-3.7	102	0.00
87	TP	Isopropylbenzene	2.954	3.097	-4.8	100	0.00
88	S	4-Bromofluorobenzene	0.919	0.952	-3.6	102	0.00
89	TP	Bromobenzene	0.659	0.704	-6.8	100	0.00
90	TP	n-Propylbenzene	3.351	3.567	-6.4	101	0.00
91	TP	1,4-Dichlorobutane	0.785	0.906	-15.4	109	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.570	0.584	-2.5	100	0.00
93	TP	4-Ethyltoluene	2.780	3.095	-11.3	104	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A18.D
Acq On : 15 Nov 2024 8:59 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG1998028,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 11:51:50 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
94 TP	2-Chlorotoluene	1.946	2.040	-4.8	99	0.00
95 TP	1,3,5-Trimethylbenzene	2.460	2.565	-4.3	99	0.00
96 TP	1,2,3-Trichloropropane	0.450	0.489	-8.7	106	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.163	0.179	-9.8	112	0.00
98 TP	4-Chlorotoluene	2.013	2.138	-6.2	101	0.00
99 TP	tert-Butylbenzene	2.030	2.161	-6.5	100	0.00
102 TP	1,2,4-Trimethylbenzene	2.467	2.651	-7.5	102	0.00
103 TP	sec-Butylbenzene	3.100	3.235	-4.4	98	0.00
104 TP	p-Isopropyltoluene	2.568	2.692	-4.8	99	0.00
105 TP	1,3-Dichlorobenzene	1.320	1.380	-4.5	101	0.00
106 TP	1,4-Dichlorobenzene	1.324	1.397	-5.5	102	0.00
107 TP	p-Diethylbenzene	1.503	1.569	-4.4	98	0.00
108 TP	n-Butylbenzene	2.240	2.414	-7.8	102	0.00
109 TP	1,2-Dichlorobenzene	1.256	1.323	-5.3	103	0.00
110 TP	1,2,4,5-Tetramethylbenzene	2.408	2.478	-2.9	101	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.076	0.083	-9.2	110	0.00
112 TP	1,3,5-Trichlorobenzene	0.896	0.921	-2.8	98	0.00
113 TP	Hexachlorobutadiene	0.239	0.251	-5.0	96	0.00
114 TP	1,2,4-Trichlorobenzene	0.782	0.823	-5.2	101	0.00
115 TP	Naphthalene	1.837	1.922	-4.6	103	0.00
116 TP	1,2,3-Trichlorobenzene	0.698	0.732	-4.9	102	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A18.D
Acq On : 15 Nov 2024 8:59 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG1998028,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 11:51:50 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.939	96	258201	10.000	ug/L	0.00
Standard Area 1 = 258108			Recovery = 100.04%			
63) Chlorobenzene-d5	9.467	117	189435	10.000	ug/L	0.00
Standard Area 1 = 187202			Recovery = 101.19%			
84) 1,4-Dichlorobenzene-d4	12.188	152	96658	10.000	ug/L	0.00
Standard Area 1 = 99398			Recovery = 97.24%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.136	113	59232	10.005	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.05%			
47) 1,2-Dichloroethane-d4	5.660	65	70160	10.016	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.16%			
64) Toluene-d8	7.626	98	260441	10.081	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.81%			
88) 4-Bromofluorobenzene	10.973	95	92060	10.367	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.67%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.583	85	47006	8.148	ug/L #	93
3) Chloromethane	1.776	50	57511	10.089	ug/L	96
4) Vinyl chloride	1.848	62	63197	10.405	ug/L	92
5) Bromomethane	2.152	94	47110	11.050	ug/L	92
6) Chloroethane	2.269	64	44518M1	10.123	ug/L	
7) Trichlorofluoromethane	2.409	101	95692	10.798	ug/L	98
8) Ethyl ether	2.704	74	33320	12.159	ug/L	87
10) 1,1-Dichloroethene	2.897	96	44178	9.789	ug/L	100
11) Carbon disulfide	2.922	76	136172	10.047	ug/L	99
12) Freon-113	2.936	101	52753	11.084	ug/L	94
13) Iodomethane	3.028	142	55371	13.363	ug/L #	91
14) Acrolein	3.203	56	7715	14.001	ug/L #	74
15) Methylene chloride	3.443	84	52724	9.359	ug/L	85
17) Acetone	3.479	43	11779	10.624	ug/L #	74
18) trans-1,2-Dichloroethene	3.594	96	48272	9.605	ug/L	92
19) Methyl acetate	3.605	43	24990M3	10.089	ug/L	
21) Methyl tert-butyl ether	3.694	73	140945	10.492	ug/L	89
22) tert-Butyl alcohol	3.783	59	19581	57.832	ug/L #	66
24) Diisopropyl ether	4.051	45	170945	10.142	ug/L #	93
25) 1,1-Dichloroethane	4.179	63	103413	10.294	ug/L	99
26) Halothane	4.232	117	40826	10.534	ug/L	89

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A18.D
Acq On : 15 Nov 2024 8:59 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG1998028,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 11:51:50 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.218	53	14486	10.659	ug/L	#	77
28) Ethyl tert-butyl ether	4.391	59	184970	10.474	ug/L		96
29) Vinyl acetate	4.405	43	111599	9.565	ug/L	#	95
30) cis-1,2-Dichloroethene	4.690	96	59751	10.415	ug/L		89
31) 2,2-Dichloropropane	4.796	77	76845	9.694	ug/L		87
33) Bromochloromethane	4.885	128	26493	10.136	ug/L	#	81
34) Cyclohexane	4.891	56	104798	10.262	ug/L		71
35) Chloroform	4.957	83	95734	10.157	ug/L		95
36) Ethyl acetate	5.061	43	40325	10.245	ug/L	#	93
37) Carbon tetrachloride	5.097	117	72087	10.546	ug/L		96
38) Tetrahydrofuran	5.100	42	11700M6	10.720	ug/L		
40) 1,1,1-Trichloroethane	5.161	97	88068	10.583	ug/L		91
42) 2-Butanone	5.242	43	15459	9.778	ug/L		99
43) 1,1-Dichloropropene	5.278	75	77658	10.650	ug/L		94
45) Benzene	5.524	78	230255	10.027	ug/L		93
46) tert-Amyl methyl ether	5.635	73	151708	10.265	ug/L		92
48) 1,2-Dichloroethane	5.727	62	75026	10.272	ug/L		100
51) Methyl cyclohexane	6.106	83	106042	10.370	ug/L		85
52) Trichloroethene	6.115	95	57922	10.638	ug/L		91
54) Dibromomethane	6.561	93	31946	10.267	ug/L		91
55) 1,2-Dichloropropane	6.659	63	60421	10.357	ug/L		96
57) 2-Chloroethyl vinyl ether	7.353	63	34243	9.979	ug/L		90
58) Bromodichloromethane	6.734	83	74704	9.867	ug/L		91
61) 1,4-Dioxane	6.935	88	21427M1	562.071	ug/L		
62) cis-1,3-Dichloropropene	7.423	75	91278	10.445	ug/L		90
65) Toluene	7.688	92	151299	10.164	ug/L		93
66) 4-Methyl-2-pentanone	8.114	58	17052	10.900	ug/L		77
67) Tetrachloroethene	8.136	166	63628	10.631	ug/L		98
69) trans-1,3-Dichloropropene	8.164	75	78967	10.712	ug/L		83
71) Ethyl methacrylate	8.360	69	66371	11.805	ug/L		98
72) 1,1,2-Trichloroethane	8.354	83	39389	10.068	ug/L		98
73) Chlorodibromomethane	8.569	129	52067	9.919	ug/L		99
74) 1,3-Dichloropropane	8.680	76	81810	10.128	ug/L		99
75) 1,2-Dibromoethane	8.845	107	47142	10.170	ug/L		89
77) 2-Hexanone	9.126	43	26381	10.497	ug/L		92
78) Chlorobenzene	9.492	112	163138	10.311	ug/L	#	83
79) Ethylbenzene	9.528	91	292732	10.291	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.578	131	54488	10.372	ug/L		96
81) p/m Xylene	9.718	106	223646	20.424	ug/L		96
82) o Xylene	10.261	106	219895	20.594	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A18.D
Acq On : 15 Nov 2024 8:59 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG1998028,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 11:51:50 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241115AICAL\VE241115A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.326	104	366490	20.330	ug/L		95
85) Bromoform	10.348	173	29631	10.372	ug/L		93
87) Isopropylbenzene	10.643	105	299346	10.484	ug/L		98
89) Bromobenzene	11.081	156	68064	10.679	ug/L		98
90) n-Propylbenzene	11.129	91	344768	10.646	ug/L		94
91) 1,4-Dichlorobutane	11.145	55	87586	11.547	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.215	83	56484	10.247	ug/L		97
93) 4-Ethyltoluene	11.257	105	299120	11.130	ug/L		100
94) 2-Chlorotoluene	11.296	91	197219M1	10.485	ug/L		
95) 1,3,5-Trimethylbenzene	11.355	105	247954	10.427	ug/L		98
96) 1,2,3-Trichloropropane	11.355	75	47286	10.866	ug/L		92
97) trans-1,4-Dichloro-2-b...	11.408	53	17339	11.006	ug/L	#	70
98) 4-Chlorotoluene	11.480	91	206675	10.620	ug/L		100
99) tert-Butylbenzene	11.695	119	208880	10.644	ug/L		95
102) 1,2,4-Trimethylbenzene	11.773	105	256207	10.743	ug/L		97
103) sec-Butylbenzene	11.887	105	312677	10.435	ug/L		100
104) p-Isopropyltoluene	12.041	119	260237	10.482	ug/L		96
105) 1,3-Dichlorobenzene	12.108	146	133373	10.454	ug/L		98
106) 1,4-Dichlorobenzene	12.202	146	135076	10.556	ug/L		98
107) p-Diethylbenzene	12.417	119	151639	10.440	ug/L		97
108) n-Butylbenzene	12.476	91	233327	10.777	ug/L		97
109) 1,2-Dichlorobenzene	12.626	146	127838	10.531	ug/L		99
110) 1,2,4,5-Tetramethylben...	13.209	119	239535	10.293	ug/L		97
111) 1,2-Dibromo-3-chloropr...	13.404	155	8026	10.887	ug/L	#	48
112) 1,3,5-Trichlorobenzene	13.435	180	89065	10.287	ug/L		91
113) Hexachlorobutadiene	14.012	225	24249	10.491	ug/L		94
114) 1,2,4-Trichlorobenzene	14.034	180	79559	10.524	ug/L		98
115) Naphthalene	14.327	128	185804	10.466	ug/L		100
116) 1,2,3-Trichlorobenzene	14.497	180	70739	10.482	ug/L		95

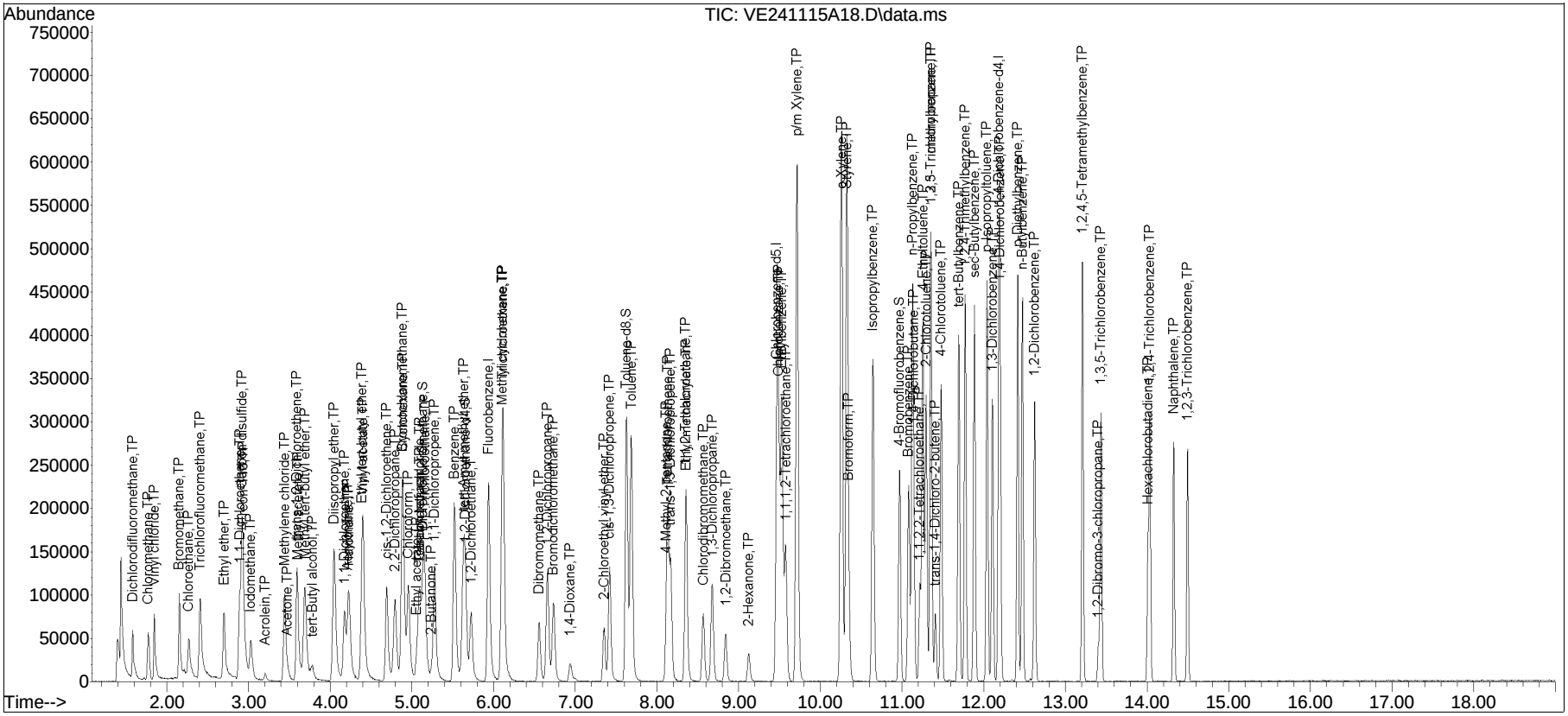
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241115AICAL\
Data File : VE241115A18.D
Acq On : 15 Nov 2024 8:59 am
Operator : ELAINE:PID
Sample : C8260STD10PPB
Misc : WG1998028,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 11:51:50 2024
Quant Method : K:\Elaine\2024\241115AICAL\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

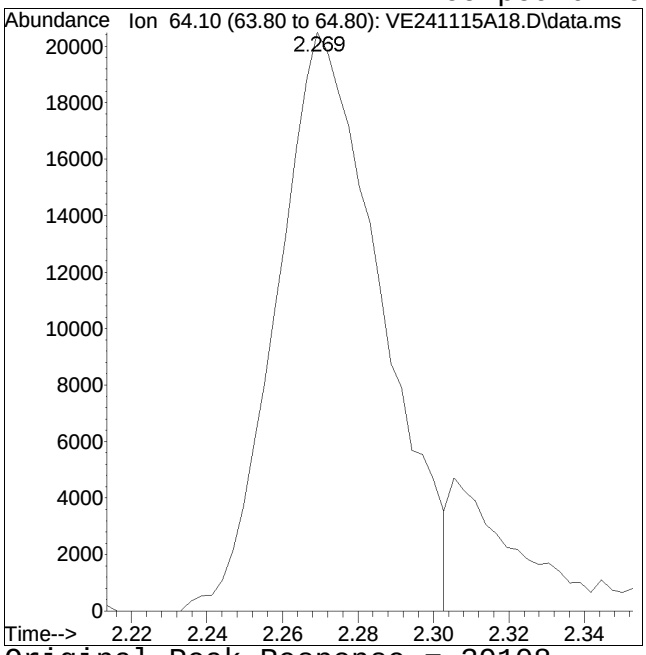
Sub List : 8260-Curve - Megamix plus Diox\VE241115A09.D•



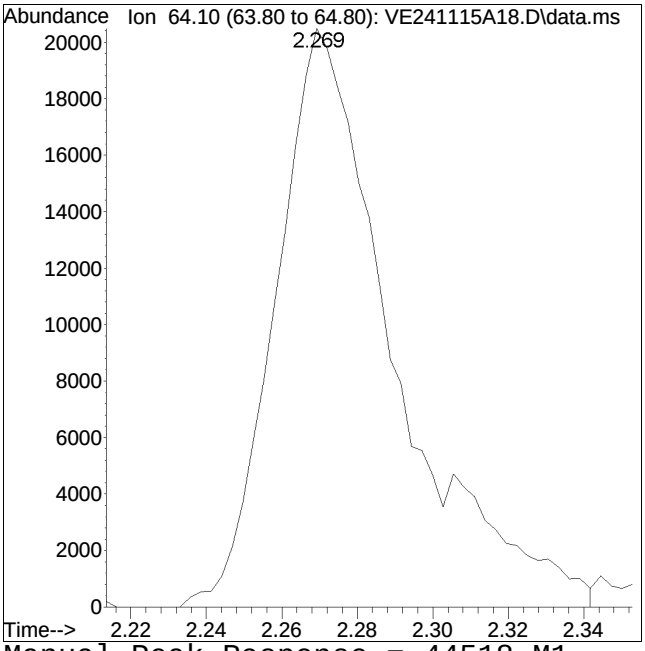
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A18.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 8:59 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 11/15/2024 11:50 am

Compound #6: Chloroethane



Original Peak Response = 39108



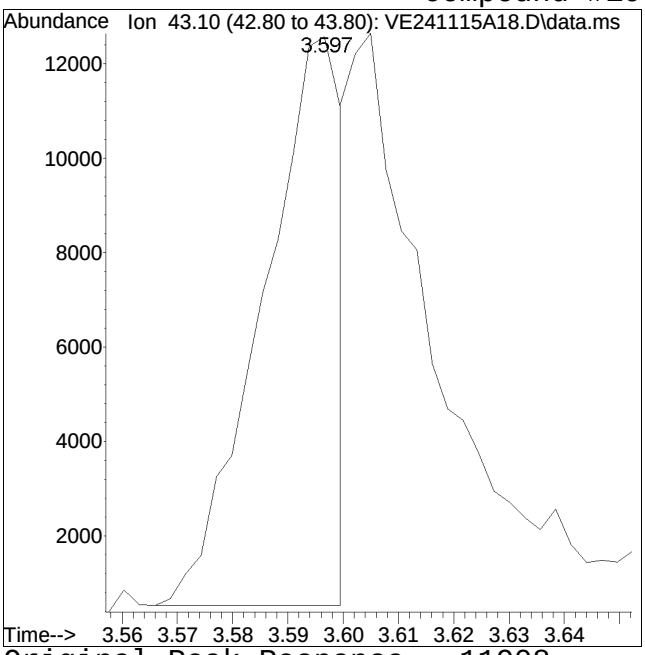
Manual Peak Response = 44518 M1

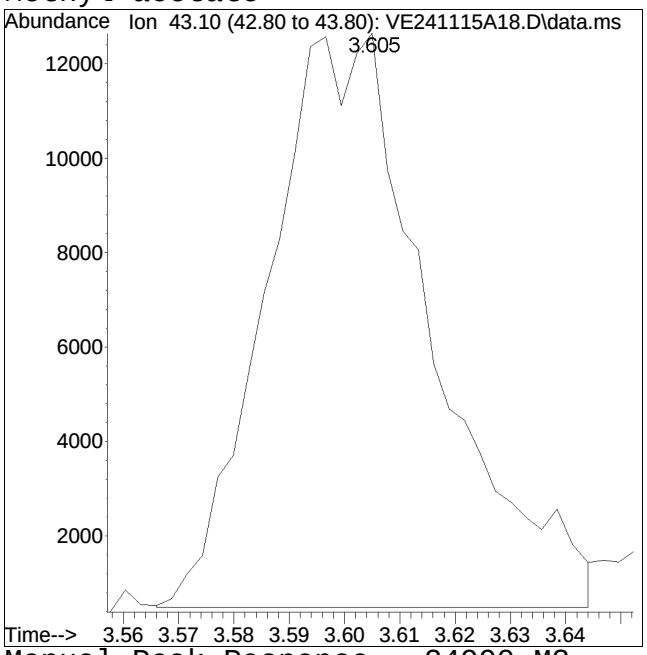
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A18.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 8:59 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 11/15/2024 11:50 am

Compound #19: Methyl acetate





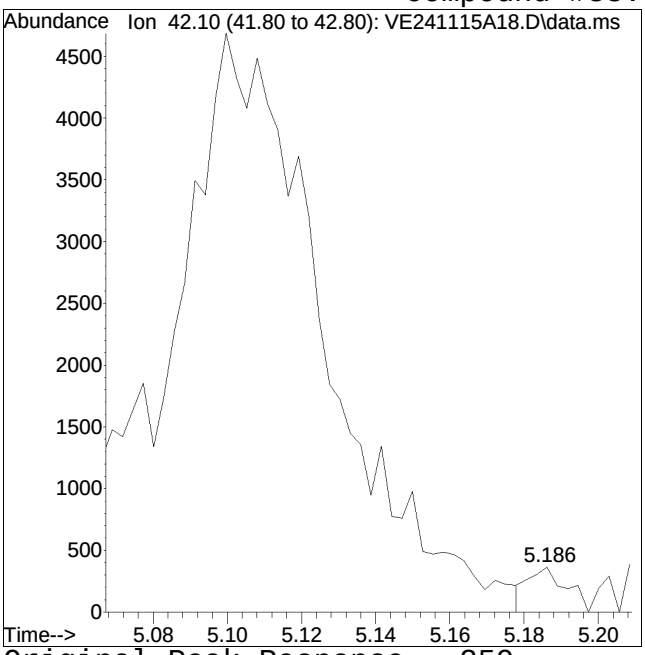
Original Peak Response = 11908 Manual Peak Response = 24990 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

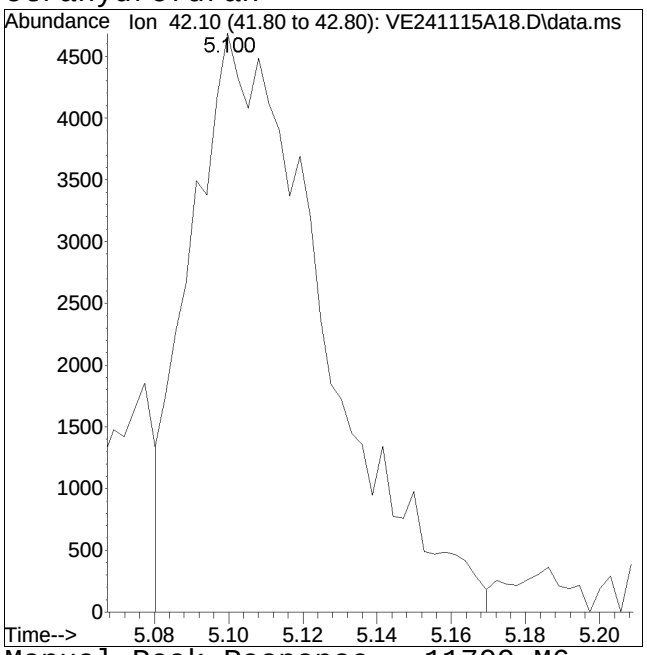
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A18.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 8:59 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 11/15/2024 11:50 am

Compound #38: Tetrahydrofuran



Original Peak Response = 259



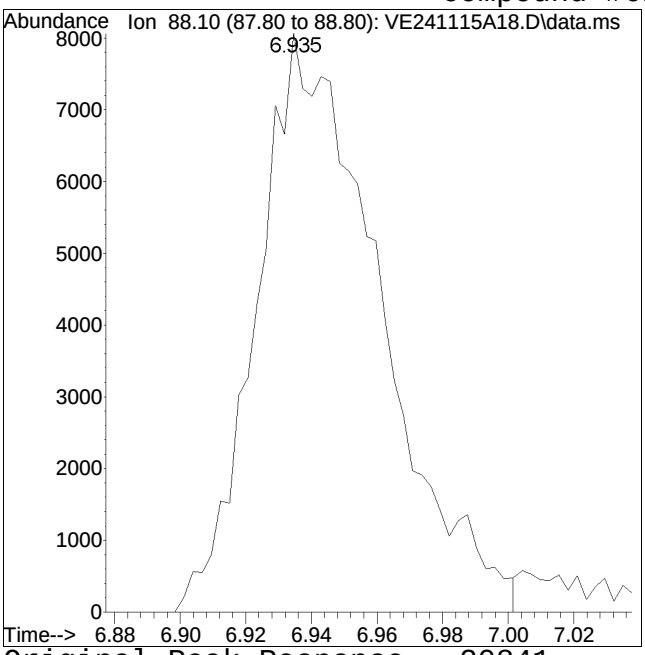
Manual Peak Response = 11700 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

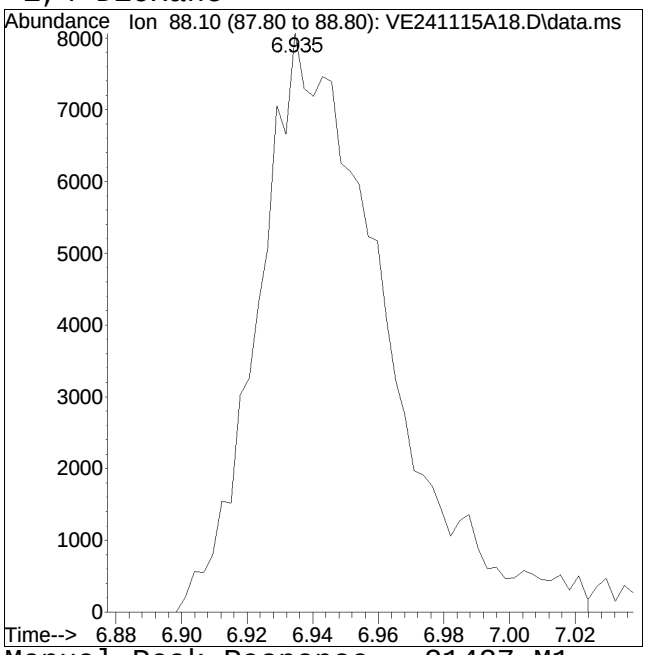
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A18.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 8:59 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 11/15/2024 11:50 am

Compound #61: 1,4-Dioxane



Original Peak Response = 20841



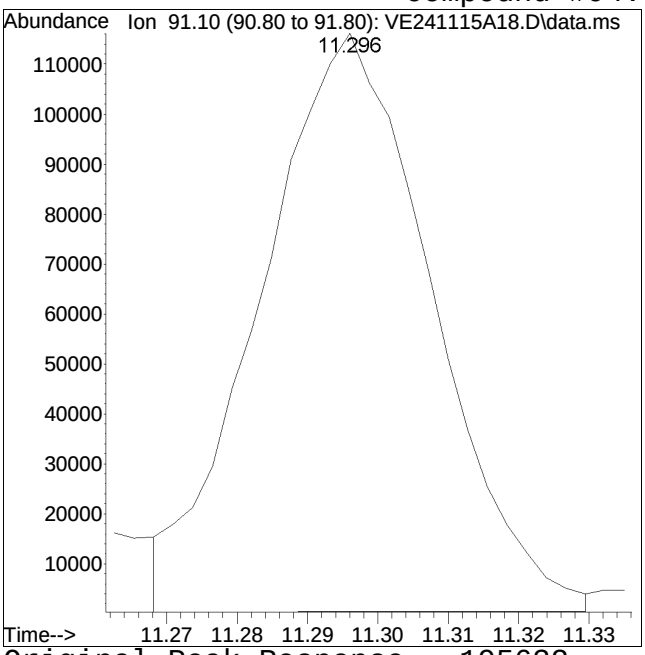
Manual Peak Response = 21427 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

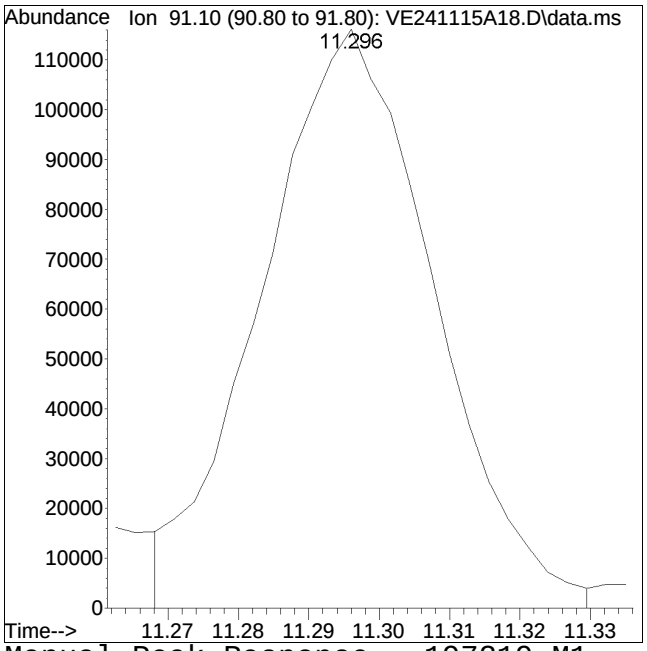
Manual Integration Report

Data Path : K:\Elaine\2024\241115AICALQMethod : Elaine_241115A_8260.m
Data File : VE241115A18.D Operator : ELAINE:PID
Date Inj'd : 11/15/2024 8:59 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 11/15/2024 11:50 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 195632



Manual Peak Response = 197219 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059		
Instrument ID	: VOA101	Calibration Date	: 11/21/24 08:04		
Lab File ID	: V01241121A03	Init. Calib. Date(s)	: 09/11/24	09/12/24	
Sample No	: WG2000507-2	Init. Calib. Times	: 23:43	03:37	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	119	0
Dichlorodifluoromethane	0.269	0.246	-	8.6	20	117	0
Chloromethane	0.271	0.269	-	0.7	20	135	0
Vinyl chloride	0.355	0.286	-	19.4	20	102	0
Bromomethane	0.268	0.047	-	82.5*	20	25	0
Chloroethane	10	4.283	-	57.2*	20	53	0
Trichlorofluoromethane	0.815	0.367	-	55*	20	55	0
Ethyl ether	0.21	0.081	-	61.4*	20	46	0
1,1-Dichloroethene	0.219	0.196	-	10.5	20	109	0
Carbon disulfide	0.672	0.603	-	10.3	20	126	0
Methylene chloride	0.242	0.245	-	-1.2	20	134	0
Acetone	10	7.336	-	26.6*	20	88	0
trans-1,2-Dichloroethene	0.239	0.259	-	-8.4	20	142	0
Methyl tert-butyl ether	0.551	0.419	-	24*	20	98	0
1,1-Dichloroethane	0.434	0.475	-	-9.4	20	139	0
Acrylonitrile	0.046	0.044	-	4.3	20	123	0
Vinyl acetate	0.33	0.386	-	-17	20	152	0
cis-1,2-Dichloroethene	0.267	0.275	-	-3	20	128	0
2,2-Dichloropropane	0.333	0.36	-	-8.1	20	137	0
Bromochloromethane	0.121	0.132	-	-9.1	20	135	0
Chloroform	0.445	0.433	-	2.7	20	121	0
Carbon tetrachloride	0.355	0.366	-	-3.1	20	137	0
Tetrahydrofuran	0.042	0.033	-	21.4*	20	90	0
Dibromofluoromethane	0.262	0.272	-	-3.8	20	125	0
1,1,1-Trichloroethane	0.398	0.391	-	1.8	20	125	0
2-Butanone	0.057	0.045	-	21.1*	20	106	0
1,1-Dichloropropene	0.337	0.33	-	2.1	20	123	0
Benzene	0.97	0.982	-	-1.2	20	126	0
1,2-Dichloroethane-d4	0.301	0.249	-	17.3	20	101	0
1,2-Dichloroethane	0.29	0.261	-	10	20	109	0
Trichloroethene	0.274	0.28	-	-2.2	20	130	0
Dibromomethane	0.133	0.123	-	7.5	20	115	0
1,2-Dichloropropane	0.237	0.258	-	-8.9	20	132	0
Bromodichloromethane	0.323	0.308	-	4.6	20	117	0
cis-1,3-Dichloropropene	0.353	0.34	-	3.7	20	120	0
Chlorobenzene-d5	1	1	-	0	20	126	0
Toluene-d8	1.199	1.185	-	1.2	20	121	0
Toluene	0.801	0.774	-	3.4	20	130	0
4-Methyl-2-pentanone	0.056	0.047	-	16.1	20	113	0
Tetrachloroethene	0.324	0.382	-	-17.9	20	156	0
trans-1,3-Dichloropropene	0.359	0.321	-	10.6	20	114	0
Ethyl methacrylate	0.278	0.18	-	35.3*	20	88	0
1,1,2-Trichloroethane	0.184	0.173*	-	6	20	117	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059		
Instrument ID	: VOA101	Calibration Date	: 11/21/24 08:04		
Lab File ID	: V01241121A03	Init. Calib. Date(s)	: 09/11/24	09/12/24	
Sample No	: WG2000507-2	Init. Calib. Times	: 23:43	03:37	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Chlorodibromomethane	0.266	0.266	-	0	20	128	0
1,3-Dichloropropane	0.372	0.341	-	8.3	20	113	0
1,2-Dibromoethane	0.206	0.198*	-	3.9	20	120	0
2-Hexanone	0.101	0.066	-	34.7*	20	89	0
Chlorobenzene	0.89	0.89	-	0	20	135	0
Ethylbenzene	1.596	1.481	-	7.2	20	126	0
1,1,1,2-Tetrachloroethane	0.303	0.314	-	-3.6	20	135	0
p/m Xylene	0.653	0.614	-	6	20	134	0
o Xylene	0.622	0.561	-	9.8	20	129	0
Styrene	20	17.618	-	11.9	20	126	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	146	0
Bromoform	10	8.528	-	14.7	20	145	0
Isopropylbenzene	3.007	2.511	-	16.5	20	132	0
4-Bromofluorobenzene	0.848	0.796	-	6.1	20	132	0
Bromobenzene	0.666	0.621	-	6.8	20	141	0
n-Propylbenzene	3.574	2.994	-	16.2	20	132	0
1,4-Dichlorobutane	0.699	0.564	-	19.3	20	123	0
1,1,2,2-Tetrachloroethane	0.473	0.394	-	16.7	20	122	0
2-Chlorotoluene	1.99	1.767	-	11.2	20	135	0
1,3,5-Trimethylbenzene	2.471	2.088	-	15.5	20	134	0
1,2,3-Trichloropropane	0.408	0.303	-	25.7*	20	118	0
trans-1,4-Dichloro-2-buten	0.128	0.092	-	28.1*	20	106	0
4-Chlorotoluene	1.996	1.759	-	11.9	20	132	0
tert-Butylbenzene	2.044	1.825	-	10.7	20	140	0
1,2,4-Trimethylbenzene	2.356	2.109	-	10.5	20	139	0
sec-Butylbenzene	3.02	2.656	-	12.1	20	140	0
p-Isopropyltoluene	2.479	2.206	-	11	20	143	0
1,3-Dichlorobenzene	1.293	1.203	-	7	20	143	0
1,4-Dichlorobenzene	1.317	1.189	-	9.7	20	141	0
n-Butylbenzene	2.034	1.841	-	9.5	20	140	0
1,2-Dichlorobenzene	1.133	1.034	-	8.7	20	138	0
1,2-Dibromo-3-chloropropan	10	8.232	-	17.7	20	142	0
Hexachlorobutadiene	0.212	0.248	-	-17	20	192	0
1,2,4-Trichlorobenzene	0.502	0.456	-	9.2	20	138	0
Naphthalene	1.034	0.671	-	35.1*	20	100	0
1,2,3-Trichlorobenzene	0.385	0.329*	-	14.5	20	129	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254	
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059	
Instrument ID	: ELAINE	Calibration Date	: 11/21/24 08:34	
Lab File ID	: VE241121A01	Init. Calib. Date(s)	: 11/15/24	11/15/24
Sample No	: WG2000602-2	Init. Calib. Times	: 02:52	06:56
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	82	0
Dichlorodifluoromethane	0.223	0.181	-	18.8	20	60	0
Chloromethane	0.221	0.209	-	5.4	20	73	0
Vinyl chloride	0.235	0.246	-	-4.7	20	78	0
Bromomethane	0.165	0.139	-	15.8	20	69	0
Chloroethane	0.17	0.184	-	-8.2	20	83	0
Trichlorofluoromethane	0.343	0.341	-	0.6	20	73	0
Ethyl ether	0.106	0.105	-	0.9	20	80	0
1,1-Dichloroethene	0.175	0.202	-	-15.4	20	91	0
Carbon disulfide	0.525	0.573	-	-9.1	20	84	0
Freon-113	0.184	0.188	-	-2.2	20	75	0
Acrolein	0.021	0.021	-	0	20	79	0
Methylene chloride	0.218	0.231	-	-6	20	85	0
Acetone	0.043	0.041	-	4.7	20	83	0
trans-1,2-Dichloroethene	0.195	0.206	-	-5.6	20	82	0
Methyl acetate	0.096	0.097	-	-1	20	83	0
Methyl tert-butyl ether	0.52	0.498	-	4.2	20	76	0
tert-Butyl alcohol	0.013	0.012	-	7.7	20	70	0
Diisopropyl ether	0.653	0.678	-	-3.8	20	83	0
1,1-Dichloroethane	0.389	0.427	-	-9.8	20	86	0
Halothane	0.15	0.151	-	-0.7	20	78	0
Acrylonitrile	0.053	0.051	-	3.8	20	78	0
Ethyl tert-butyl ether	0.684	0.681	-	0.4	20	81	0
Vinyl acetate	0.452	0.441	-	2.4	20	80	0
cis-1,2-Dichloroethene	0.222	0.236	-	-6.3	20	83	0
2,2-Dichloropropane	0.307	0.303	-	1.3	20	76	0
Bromochloromethane	0.101	0.105	-	-4	20	80	0
Cyclohexane	0.395	0.403	-	-2	20	77	0
Chloroform	0.365	0.373	-	-2.2	20	85	0
Ethyl acetate	0.152	0.135	-	11.2	20	70	0
Carbon tetrachloride	0.265	0.269	-	-1.5	20	78	0
Tetrahydrofuran	0.042	0.039	-	7.1	20	75	0
Dibromofluoromethane	0.229	0.229	-	0	20	79	0
1,1,1-Trichloroethane	0.322	0.338	-	-5	20	80	0
2-Butanone	0.061	0.055	-	9.8	20	83	0
1,1-Dichloropropene	0.282	0.293	-	-3.9	20	80	0
Benzene	0.889	0.953	-	-7.2	20	85	0
tert-Amyl methyl ether	0.572	0.535	-	6.5	20	76	0
1,2-Dichloroethane-d4	0.271	0.273	-	-0.7	20	82	0
1,2-Dichloroethane	0.283	0.297	-	-4.9	20	85	0
Methyl cyclohexane	0.396	0.396	-	0	20	78	0
Trichloroethene	0.211	0.23	-	-9	20	83	0
Dibromomethane	0.121	0.122	-	-0.8	20	80	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254	
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059	
Instrument ID	: ELAINE	Calibration Date	: 11/21/24 08:34	
Lab File ID	: VE241121A01	Init. Calib. Date(s)	: 11/15/24	11/15/24
Sample No	: WG2000602-2	Init. Calib. Times	: 02:52	06:56
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.226	0.243	-	-7.5	20	85	0
Bromodichloromethane	0.293	0.3*	-	-2.4	20	80	0
1,4-Dioxane	0.00148	0.00162*	-	-9.5	20	84	0
cis-1,3-Dichloropropene	0.338	0.35	-	-3.6	20	80	0
Chlorobenzene-d5	1	1	-	0	20	80	0
Toluene-d8	1.364	1.393	-	-2.1	20	81	0
Toluene	0.786	0.842	-	-7.1	20	82	0
4-Methyl-2-pentanone	0.083	0.077	-	7.2	20	78	0
Tetrachloroethene	0.316	0.326	-	-3.2	20	77	0
trans-1,3-Dichloropropene	0.389	0.406	-	-4.4	20	78	0
Ethyl methacrylate	0.297	0.275	-	7.4	20	72	0
1,1,2-Trichloroethane	0.207	0.212	-	-2.4	20	80	0
Chlorodibromomethane	0.277	0.269	-	2.9	20	78	0
1,3-Dichloropropane	0.426	0.447	-	-4.9	20	82	0
1,2-Dibromoethane	0.245	0.242	-	1.2	20	78	0
2-Hexanone	0.133	0.112	-	15.8	20	68	0
Chlorobenzene	0.835	0.886	-	-6.1	20	82	0
Ethylbenzene	1.502	1.612	-	-7.3	20	82	0
1,1,1,2-Tetrachloroethane	0.277	0.29	-	-4.7	20	80	0
p/m Xylene	0.578	0.628	-	-8.7	20	84	0
o Xylene	0.564	0.609	-	-8	20	84	0
Styrene	0.952	0.996	-	-4.6	20	84	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	76	0
Bromoform	0.296	0.276	-	6.8	20	72	0
Isopropylbenzene	2.954	3.247	-	-9.9	20	82	0
4-Bromofluorobenzene	0.919	0.945	-	-2.8	20	79	0
Bromobenzene	0.659	0.7	-	-6.2	20	78	0
n-Propylbenzene	3.351	3.793	-	-13.2	20	84	0
1,4-Dichlorobutane	0.785	0.826	-	-5.2	20	78	0
1,1,2,2-Tetrachloroethane	0.57	0.59	-	-3.5	20	79	0
4-Ethyltoluene	2.78	3.138	-	-12.9	20	83	0
2-Chlorotoluene	1.946	2.201	-	-13.1	20	84	0
1,3,5-Trimethylbenzene	2.46	2.762	-	-12.3	20	83	0
1,2,3-Trichloropropane	0.45	0.46	-	-2.2	20	78	0
trans-1,4-Dichloro-2-buten	0.163	0.163	-	0	20	80	0
4-Chlorotoluene	2.013	2.25	-	-11.8	20	83	0
tert-Butylbenzene	2.03	2.206	-	-8.7	20	80	0
1,2,4-Trimethylbenzene	2.467	2.724	-	-10.4	20	82	0
sec-Butylbenzene	3.1	3.414	-	-10.1	20	82	0
p-Isopropyltoluene	2.568	2.846	-	-10.8	20	82	0
1,3-Dichlorobenzene	1.32	1.447	-	-9.6	20	83	0
1,4-Dichlorobenzene	1.324	1.435	-	-8.4	20	82	0
p-Diethylbenzene	1.503	1.661	-	-10.5	20	81	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059		
Instrument ID	: ELAINE	**Calibration Date**	: 11/21/24 08:34		
Lab File ID	: VE241121A01	**Init. Calib. Date(s)**	: 11/15/24	11/15/24	
Sample No	: WG2000602-2	**Init. Calib. Times**	: 02:52	06:56	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.24	2.518	-	-12.4	20	83	0
1,2-Dichlorobenzene	1.256	1.302	-	-3.7	20	80	0
1,2,4,5-Tetramethylbenzene	2.408	2.501	-	-3.9	20	80	0
1,2-Dibromo-3-chloropropan	0.076	0.066	-	13.2	20	69	0
1,3,5-Trichlorobenzene	0.896	0.914	-	-2	20	77	0
Hexachlorobutadiene	0.239	0.252	-	-5.4	20	76	0
1,2,4-Trichlorobenzene	0.782	0.8	-	-2.3	20	77	0
Naphthalene	1.837	1.752	-	4.6	20	74	0
1,2,3-Trichlorobenzene	0.698	0.694	-	0.6	20	76	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059		
Instrument ID	: VOA101	**Calibration Date**	: 11/21/24 22:16		
Lab File ID	: V01241121N01	**Init. Calib. Date(s)**	: 09/11/24	09/12/24	
Sample No	: WG2001016-2	**Init. Calib. Times**	: 23:43	03:37	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	76	0
Dibromofluoromethane	0.262	0.29	-	-10.7	20	86	0
Benzene	0.97	0.901	-	7.1	20	74	0
1,2-Dichloroethane-d4	0.301	0.265	-	12	20	69	0
Chlorobenzene-d5	1	1	-	0	20	85	0
Toluene-d8	1.199	1.162	-	3.1	20	80	0
Toluene	0.801	0.704	-	12.1	20	80	0
Ethylbenzene	1.596	1.355	-	15.1	20	78	0
p/m Xylene	0.653	0.577	-	11.6	20	85	0
o Xylene	0.622	0.529	-	15	20	82	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	102	0
4-Bromofluorobenzene	0.848	0.77	-	9.2	20	89	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A03.D
Acq On : 21 Nov 2024 8:04 am
Operator : VOA101:PID
Sample : WG2000507-2
Misc : WG2000507,ICAL21487
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 09:47:44 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	119	0.00
2	TP	Dichlorodifluoromethane	0.269	0.246	8.6	117	0.00
3	TP	Chloromethane	0.271	0.269	0.7	135	0.00
4	TP	Vinyl chloride	0.355	0.286	19.4	102	0.00
5	TP	Bromomethane	0.268	0.047	82.5#	25#	0.00
6	TP	Chloroethane	* 10.000	4.283	57.2#	53	0.00
7	TP	Trichlorofluoromethane	0.815	0.367	55.0#	55	0.00
8	TP	Ethyl ether	0.210	0.081	61.4#	46#	0.00
10	TP	1,1-Dichloroethene	0.219	0.196	10.5	109	0.00
11	TP	Carbon disulfide	0.672	0.603	10.3	126	0.00
15	TP	Methylene chloride	0.242	0.245	-1.2	134	0.00
17	TP	Acetone	* 10.000	7.336	26.6#	88	0.00
18	TP	trans-1,2-Dichloroethene	0.239	0.259	-8.4	142	0.00
20	TP	Methyl tert-butyl ether	0.551	0.419	24.0#	98	0.00
23	TP	1,1-Dichloroethane	0.434	0.475	-9.4	139	0.00
25	TP	Acrylonitrile	0.046	0.044	4.3	123	0.00
27	TP	Vinyl acetate	0.330	0.386	-17.0	152	0.00
28	TP	cis-1,2-Dichloroethene	0.267	0.275	-3.0	128	0.00
29	TP	2,2-Dichloropropane	0.333	0.360	-8.1	137	0.00
30	TP	Bromochloromethane	0.121	0.132	-9.1	135	0.00
32	TP	Chloroform	0.445	0.433	2.7	121	0.00
34	TP	Carbon tetrachloride	0.355	0.366	-3.1	137	0.00
35	TP	Tetrahydrofuran	0.042	0.033	21.4#	90	0.00
36	S	Dibromofluoromethane	0.262	0.272	-3.8	125	0.00
37	TP	1,1,1-Trichloroethane	0.398	0.391	1.8	125	0.00
39	TP	2-Butanone	0.057	0.045	21.1#	106	0.00
40	TP	1,1-Dichloropropene	0.337	0.330	2.1	123	0.00
41	TP	Benzene	0.970	0.982	-1.2	126	0.00
43	S	1,2-Dichloroethane-d4	0.301	0.249	17.3	101	0.00
44	TP	1,2-Dichloroethane	0.290	0.261	10.0	109	0.00
48	TP	Trichloroethene	0.274	0.280	-2.2	130	0.00
50	TP	Dibromomethane	0.133	0.123	7.5	115	0.00
51	TP	1,2-Dichloropropane	0.237	0.258	-8.9	132	0.00
54	TP	Bromodichloromethane	0.323	0.308	4.6	117	0.00
58	TP	cis-1,3-Dichloropropene	0.353	0.340	3.7	120	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	126	0.00
60	S	Toluene-d8	1.199	1.185	1.2	121	0.00
61	TP	Toluene	0.801	0.774	3.4	130	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A03.D
Acq On : 21 Nov 2024 8:04 am
Operator : VOA101:PID
Sample : WG2000507-2
Misc : WG2000507,ICAL21487
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 09:47:44 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
62	TP	4-Methyl-2-pentanone		0.056	0.047	16.1	113	0.00
63	TP	Tetrachloroethene		0.324	0.382	-17.9	156	0.00
65	TP	trans-1,3-Dichloropropene		0.359	0.321	10.6	114	0.00
67	TP	Ethyl methacrylate		0.278	0.180	35.3#	88	0.00
68	TP	1,1,2-Trichloroethane		0.184	0.173#	6.0	117	0.00
69	TP	Chlorodibromomethane		0.266	0.266	0.0	128	0.00
70	TP	1,3-Dichloropropane		0.372	0.341	8.3	113	0.00
71	TP	1,2-Dibromoethane		0.206	0.198#	3.9	120	0.00
72	TP	2-Hexanone		0.101	0.066	34.7#	89	0.00
73	TP	Chlorobenzene		0.890	0.890	0.0	135	0.00
74	TP	Ethylbenzene		1.596	1.481	7.2	126	0.00
75	TP	1,1,1,2-Tetrachloroethane		0.303	0.314	-3.6	135	0.00
76	TP	p/m Xylene		0.653	0.614	6.0	134	0.00
77	TP	o Xylene		0.622	0.561	9.8	129	0.00
78	TP	Styrene	*	20.000	17.618	11.9	126	0.00
79	I	1,4-Dichlorobenzene-d4		1.000	1.000	0.0	146	0.00
80	TP	Bromoform	*	10.000	8.528	14.7	145	0.00
82	TP	Isopropylbenzene		3.007	2.511	16.5	132	0.00
83	S	4-Bromofluorobenzene		0.848	0.796	6.1	132	0.00
84	TP	Bromobenzene		0.666	0.621	6.8	141	0.00
85	TP	n-Propylbenzene		3.574	2.994	16.2	132	0.00
86	TP	1,4-Dichlorobutane		0.699	0.564	19.3	123	0.00
87	TP	1,1,2,2-Tetrachloroethane		0.473	0.394	16.7	122	0.00
89	TP	2-Chlorotoluene		1.990	1.767	11.2	135	0.00
90	TP	1,3,5-Trimethylbenzene		2.471	2.088	15.5	134	0.00
91	TP	1,2,3-Trichloropropane		0.408	0.303	25.7#	118	0.00
92	TP	trans-1,4-Dichloro-2-butene		0.128	0.092	28.1#	106	0.00
93	TP	4-Chlorotoluene		1.996	1.759	11.9	132	0.00
94	TP	tert-Butylbenzene		2.044	1.825	10.7	140	0.00
97	TP	1,2,4-Trimethylbenzene		2.356	2.109	10.5	139	0.00
98	TP	sec-Butylbenzene		3.020	2.656	12.1	140	0.00
99	TP	p-Isopropyltoluene		2.479	2.206	11.0	143	0.00
100	TP	1,3-Dichlorobenzene		1.293	1.203	7.0	143	0.00
101	TP	1,4-Dichlorobenzene		1.317	1.189	9.7	141	0.00
103	TP	n-Butylbenzene		2.034	1.841	9.5	140	0.00
104	TP	1,2-Dichlorobenzene		1.133	1.034	8.7	138	0.00
106	TP	1,2-Dibromo-3-chloropropane	*	10.000	8.232	17.7	142	0.00
108	TP	Hexachlorobutadiene		0.212	0.248	-17.0	192	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A03.D
Acq On : 21 Nov 2024 8:04 am
Operator : VOA101:PID
Sample : WG2000507-2
Misc : WG2000507,ICAL21487
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 09:47:44 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
109 TP	1,2,4-Trichlorobenzene	0.502	0.456	9.2	138	0.00
110 TP	Naphthalene	1.034	0.671	35.1#	100	0.00
111 TP	1,2,3-Trichlorobenzene	0.385	0.329#	14.5	129	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A03.D
Acq On : 21 Nov 2024 8:04 am
Operator : VOA101:PID
Sample : WG2000507-2
Misc : WG2000507,ICAL21487
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 09:47:44 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121A\V01241121A03.D
Sub List : 8260-Reg - Regular 8260

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.935	96	344315	10.000	ug/L	0.00
Standard Area 1 = 344315			Recovery = 100.00%			
59) Chlorobenzene-d5	9.454	117	289208	10.000	ug/L	0.00
Standard Area 1 = 289208			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.176	152	172798	10.000	ug/L	0.00
Standard Area 1 = 172798			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.140	113	93741	10.380	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.80%			
43) 1,2-Dichloroethane-d4	5.656	65	85808	8.270	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 82.70%			
60) Toluene-d8	7.614	98	342725	9.882	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.82%			
83) 4-Bromofluorobenzene	10.960	95	137557	9.386	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.638	85	84848	9.169	ug/L	98
3) Chloromethane	1.827	50	92737	9.932	ug/L	99
4) Vinyl chloride	1.894	62	98414	8.052	ug/L	100
5) Bromomethane	2.195	94	16216	1.758	ug/L	97
6) Chloroethane	2.304	64	55261	4.283	ug/L	97
7) Trichlorofluoromethane	2.444	101	126421	4.505	ug/L	98
8) Ethyl ether	2.736	74	27922	3.853	ug/L	91
10) 1,1-Dichloroethene	2.918	96	67595	8.974	ug/L	97
11) Carbon disulfide	2.951	76	207489	8.970	ug/L	99
15) Methylene chloride	3.464	84	84515	10.124	ug/L	99
17) Acetone	3.514	43	11198M1	7.336	ug/L	
18) trans-1,2-Dichloroethene	3.615	96	89218	10.842	ug/L	97
20) Methyl tert-butyl ether	3.715	73	144198	7.604	ug/L	92
23) 1,1-Dichloroethane	4.187	63	163620	10.945	ug/L	99
25) Acrylonitrile	4.234	53	15075	9.432	ug/L	92
27) Vinyl acetate	4.421	43	132953	11.694	ug/L	97
28) cis-1,2-Dichloroethene	4.702	96	94520	10.278	ug/L	98
29) 2,2-Dichloropropane	4.794	77	123815	10.801	ug/L	94
30) Bromochloromethane	4.895	128	45529	10.950	ug/L	92
32) Chloroform	4.965	83	148972	9.727	ug/L	97
34) Carbon tetrachloride	5.098	117	125914	10.293	ug/L	97

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A03.D
Acq On : 21 Nov 2024 8:04 am
Operator : VOA101:PID
Sample : WG2000507-2
Misc : WG2000507,ICAL21487
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 09:47:44 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121A\V01241121A03.D
Sub List : 8260-Reg - Regular 8260

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) Tetrahydrofuran	5.124	42	11281M1	7.775	ug/L		
37) 1,1,1-Trichloroethane	5.160	97	134632	9.831	ug/L		99
39) 2-Butanone	5.257	43	15625	7.935	ug/L		95
40) 1,1-Dichloropropene	5.280	75	113778	9.797	ug/L		96
41) Benzene	5.522	78	338134	10.124	ug/L		99
44) 1,2-Dichloroethane	5.723	62	89964	8.999	ug/L		99
48) Trichloroethene	6.119	95	96436	10.225	ug/L		93
50) Dibromomethane	6.554	93	42388	9.237	ug/L		89
51) 1,2-Dichloropropane	6.649	63	88783	10.894	ug/L		98
54) Bromodichloromethane	6.727	83	106166	9.555	ug/L		100
58) cis-1,3-Dichloropropene	7.410	75	116931	9.617	ug/L		92
61) Toluene	7.675	92	223877	9.665	ug/L		97
62) 4-Methyl-2-pentanone	8.110	58	13510	8.292	ug/L		91
63) Tetrachloroethene	8.121	166	110456	11.790	ug/L		93
65) trans-1,3-Dichloropropene	8.160	75	92939	8.940	ug/L		93
67) Ethyl methacrylate	8.347	69	51947	6.457	ug/L	#	79
68) 1,1,2-Trichloroethane	8.344	83	50019	9.376	ug/L		97
69) Chlorodibromomethane	8.554	129	77007	10.019	ug/L		97
70) 1,3-Dichloropropane	8.660	76	98598	9.155	ug/L		99
71) 1,2-Dibromoethane	8.830	107	57183	9.591	ug/L		99
72) 2-Hexanone	9.122	43	19230	6.570	ug/L		98
73) Chlorobenzene	9.474	112	257464	10.004	ug/L		92
74) Ethylbenzene	9.513	91	428461	9.281	ug/L		96
75) 1,1,1,2-Tetrachloroethane	9.560	131	90870	10.356	ug/L		99
76) p/m Xylene	9.697	106	355362	18.828	ug/L		91
77) o Xylene	10.241	106	324220	18.031	ug/L		94
78) Styrene	10.310	104	511658	17.618	ug/L		94
80) Bromoform	10.341	173	43511	8.528	ug/L		99
82) Isopropylbenzene	10.628	105	433934	8.352	ug/L		99
84) Bromobenzene	11.072	156	107275	9.315	ug/L		99
85) n-Propylbenzene	11.114	91	517319	8.377	ug/L		99
86) 1,4-Dichlorobutane	11.133	55	97466	8.072	ug/L		96
87) 1,1,2,2-Tetrachloroethane	11.208	83	68096	8.337	ug/L		100
89) 2-Chlorotoluene	11.284	91	305303M1	8.876	ug/L		
90) 1,3,5-Trimethylbenzene	11.342	105	360801	8.451	ug/L		99
91) 1,2,3-Trichloropropane	11.345	75	52401M4	7.438	ug/L		
92) trans-1,4-Dichloro-2-b...	11.401	53	15935M1	7.192	ug/L		
93) 4-Chlorotoluene	11.470	91	304034	8.814	ug/L		98
94) tert-Butylbenzene	11.682	119	315326	8.927	ug/L		97
97) 1,2,4-Trimethylbenzene	11.760	105	364421	8.953	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A03.D
Acq On : 21 Nov 2024 8:04 am
Operator : VOA101:PID
Sample : WG2000507-2
Misc : WG2000507,ICAL21487
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 09:47:44 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121A\V01241121A03.D
Sub List : 8260-Reg - Regular 8260

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	sec-Butylbenzene	11.872	105	458866	8.793	ug/L	99
99)	p-Isopropyltoluene	12.028	119	381172	8.899	ug/L	98
100)	1,3-Dichlorobenzene	12.101	146	207793	9.301	ug/L	99
101)	1,4-Dichlorobenzene	12.193	146	205464	9.029	ug/L	99
103)	n-Butylbenzene	12.463	91	318042	9.049	ug/L	100
104)	1,2-Dichlorobenzene	12.617	146	178622	9.125	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.400	155	7754	8.232	ug/L	93
108)	Hexachlorobutadiene	14.005	225	42784	11.697	ug/L	99
109)	1,2,4-Trichlorobenzene	14.033	180	78793	9.076	ug/L	99
110)	Naphthalene	14.326	128	115902	6.488	ug/L	100
111)	1,2,3-Trichlorobenzene	14.493	180	56890	8.562	ug/L	99

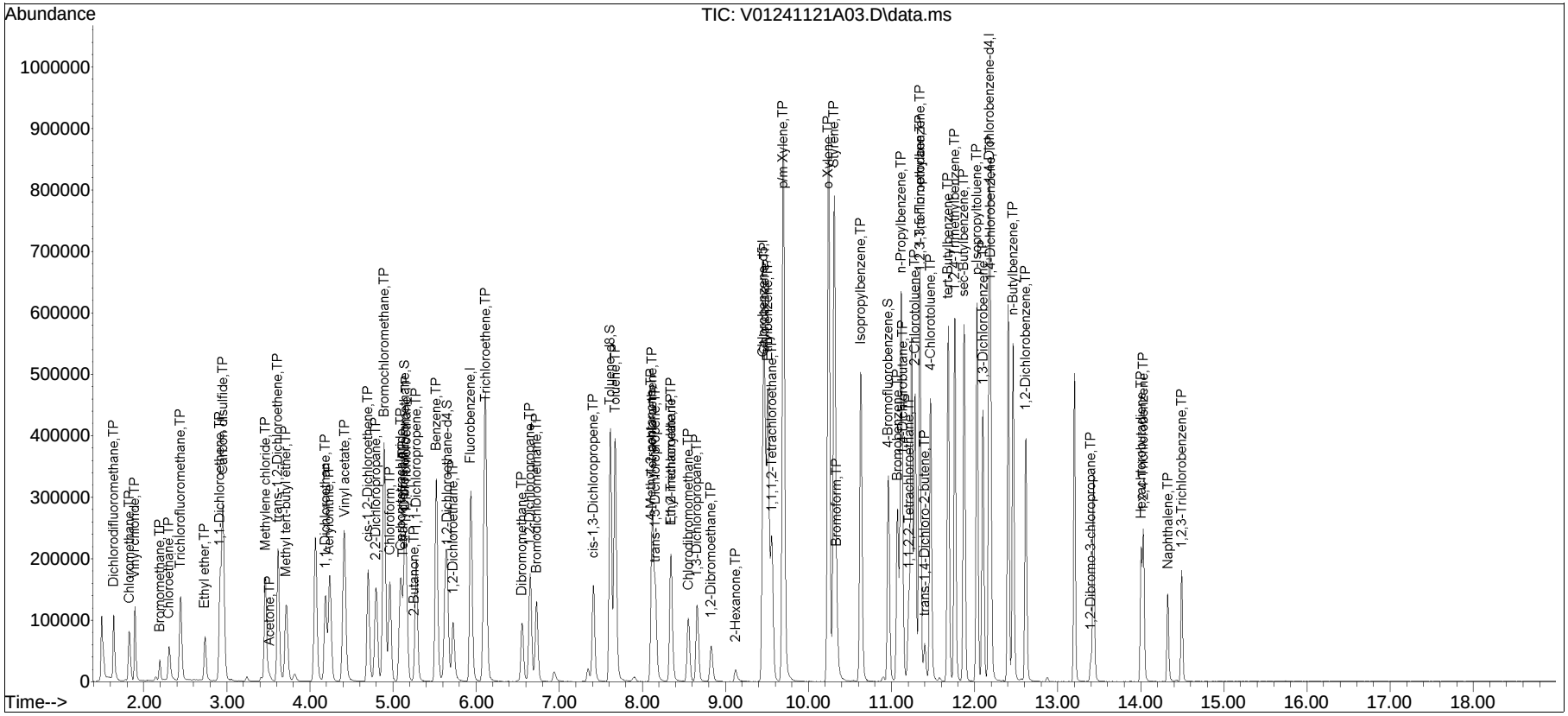
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A03.D
Acq On : 21 Nov 2024 8:04 am
Operator : VOA101:PID
Sample : WG2000507-2
Misc : WG2000507,ICAL21487
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 09:47:44 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

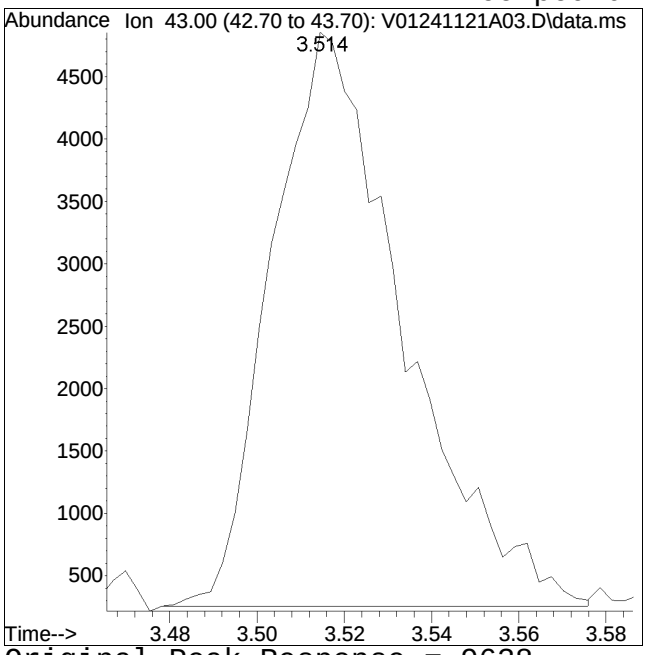
Sub List : 8260-Reg - Regular 826021A\V01241121A03.D•

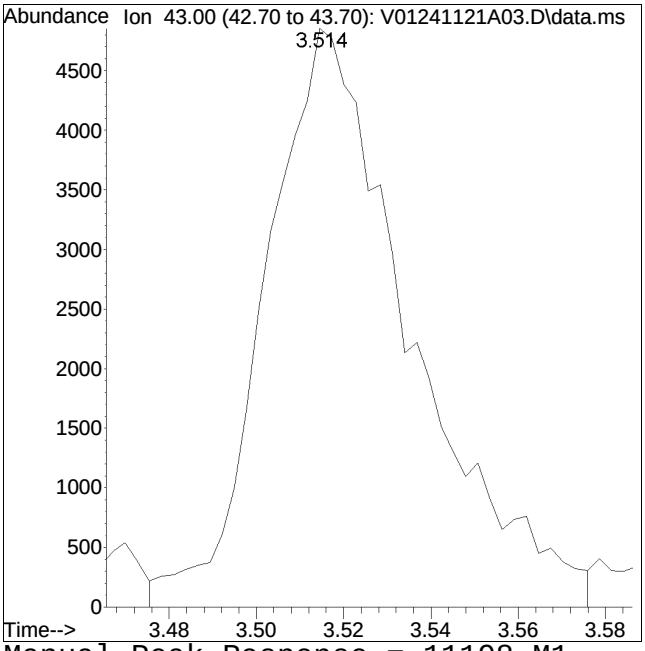


Manual Integration Report

Data Path	: K:\VOA101\2024\241121A\	QMethod	: V101_240911N_8260.m
Data File	: V01241121A03.D	Operator	: VOA101:PID
Date Inj'd	: 11/21/2024 8:04 am	Instrument	: VOA 101
Sample	: WG2000507-2	Quant Date	: 11/21/2024 8:22 am

Compound #17: Acetone





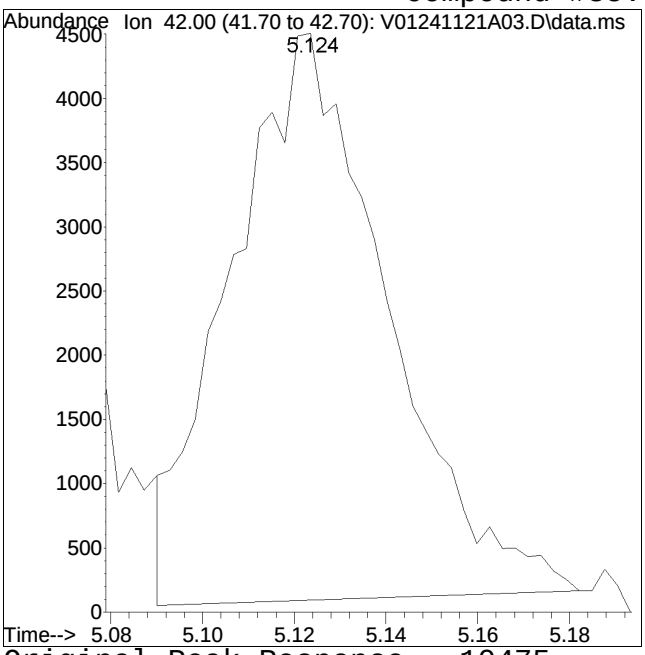
Original Peak Response = 9638 Manual Peak Response = 11198 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

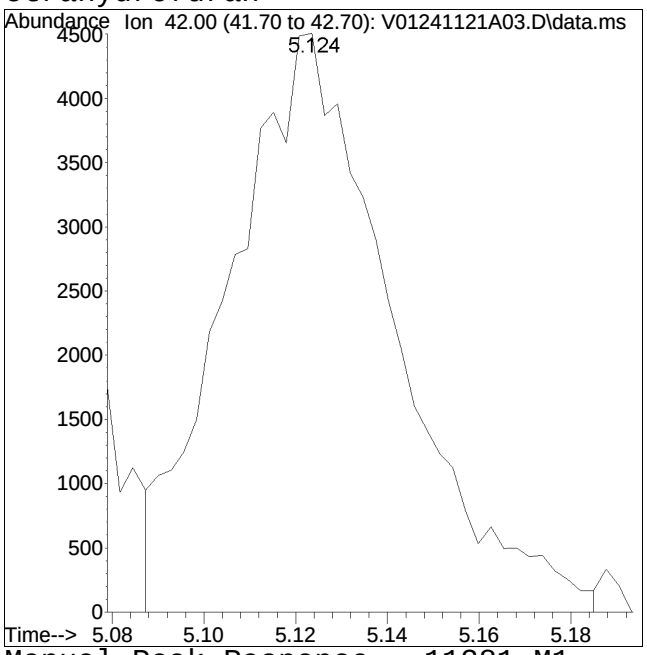
Manual Integration Report

Data Path	: K:\VOA101\2024\241121A\	QMethod	: V101_240911N_8260.m
Data File	: V01241121A03.D	Operator	: VOA101:PID
Date Inj'd	: 11/21/2024 8:04 am	Instrument	: VOA 101
Sample	: WG2000507-2	Quant Date	: 11/21/2024 8:22 am

Compound #35: Tetrahydrofuran



Original Peak Response = 10475



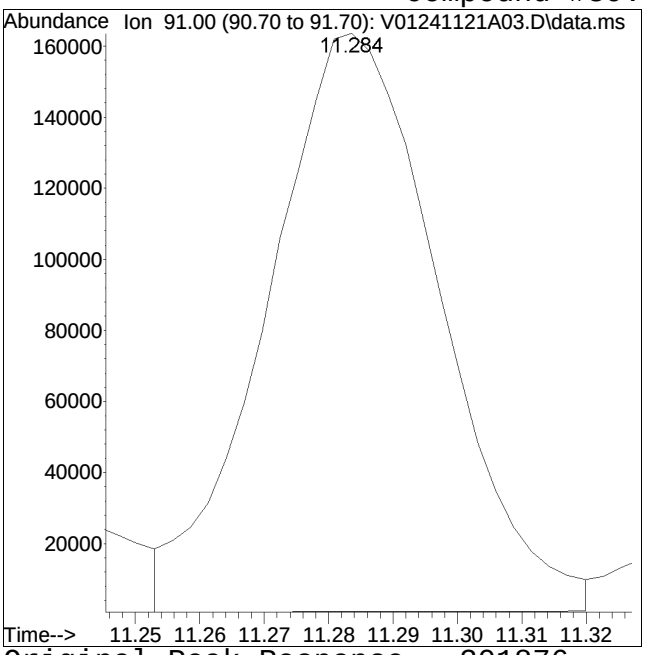
Manual Peak Response = 11281 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

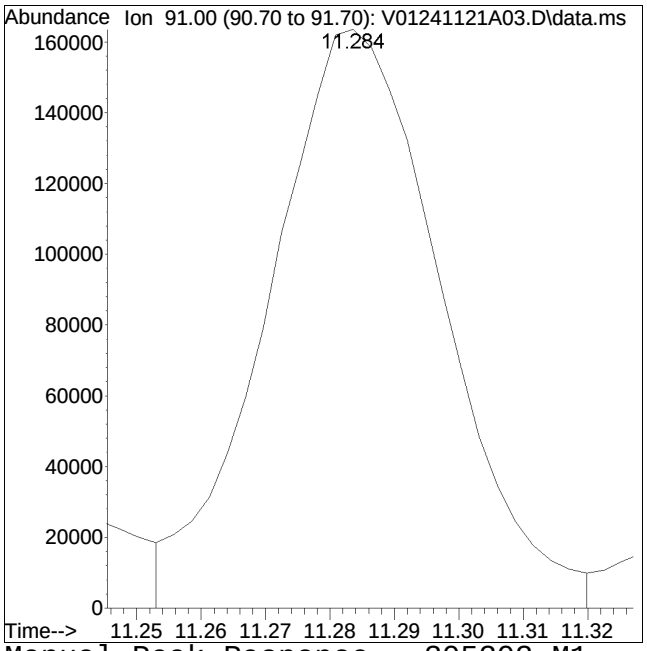
Manual Integration Report

Data Path	: K:\VOA101\2024\241121A\	QMethod	: V101_240911N_8260.m
Data File	: V01241121A03.D	Operator	: VOA101:PID
Date Inj'd	: 11/21/2024 8:04 am	Instrument	: VOA 101
Sample	: WG2000507-2	Quant Date	: 11/21/2024 8:22 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 301876



Manual Peak Response = 305303 M1

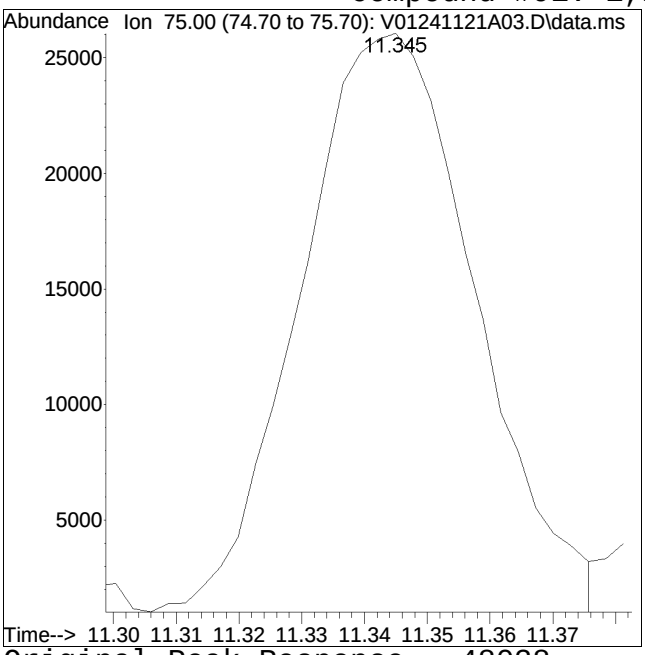
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

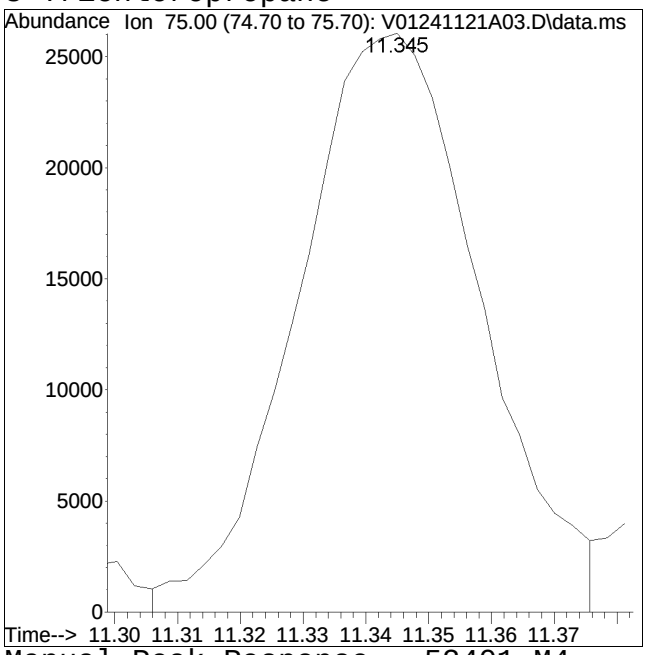
Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A03.D
Date Inj'd : 11/21/2024 8:04 am
Sample : WG2000507-2

QMethod : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 11/21/2024 8:22 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 48038



Manual Peak Response = 52401 M4

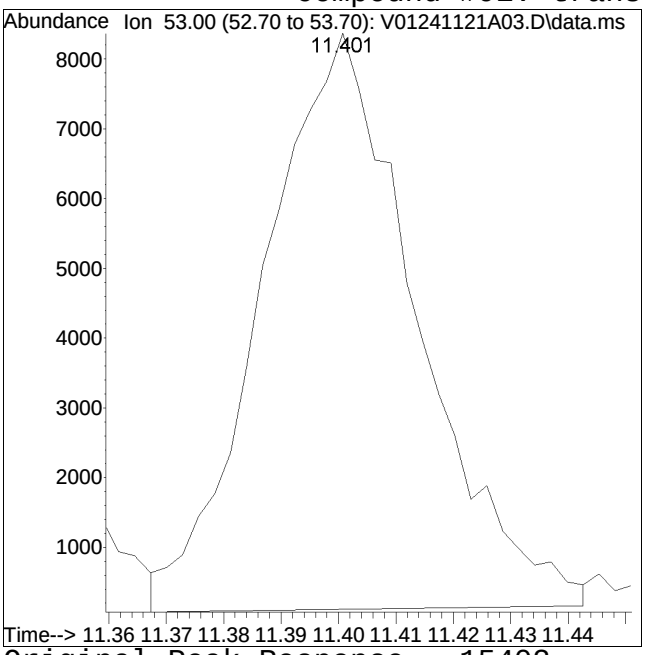
M4 = Poor automated baseline construction.

Manual Integration Report

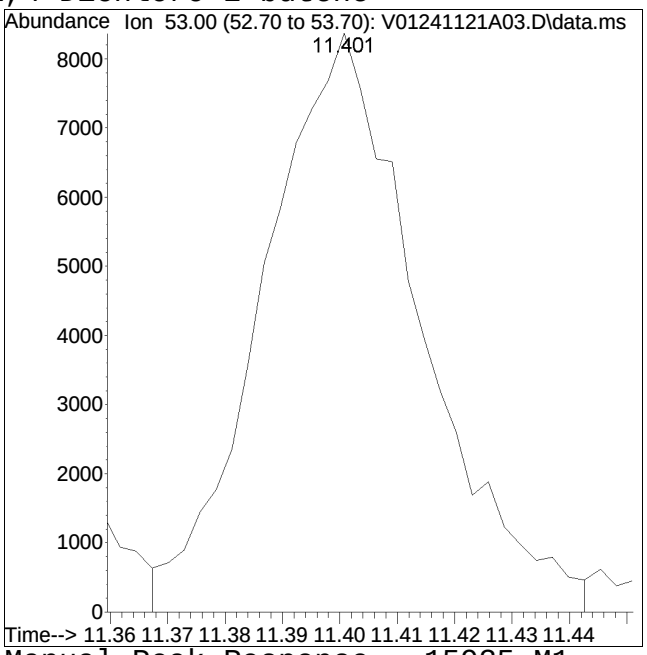
Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A03.D
Date Inj'd : 11/21/2024 8:04 am
Sample : WG2000507-2

QMethod : V101_240911N_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 11/21/2024 8:22 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 15402



Manual Peak Response = 15935 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A01.D
Acq On : 21 Nov 2024 8:34 am
Operator : ELAINE:PID
Sample : WG2000602-2
Misc : WG2000602,ICAL21711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 09:19:13 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	82	0.00
2	TP	Dichlorodifluoromethane	0.223	0.181	18.8	60	0.00
3	TP	Chloromethane	0.221	0.209	5.4	73	0.00
4	TP	Vinyl chloride	0.235	0.246	-4.7	78	0.00
5	TP	Bromomethane	0.165	0.139	15.8	69	0.00
6	TP	Chloroethane	0.170	0.184	-8.2	83	0.00
7	TP	Trichlorofluoromethane	0.343	0.341	0.6	73	0.00
8	TP	Ethyl ether	0.106	0.105	0.9	80	0.00
10	TP	1,1-Dichloroethene	0.175	0.202	-15.4	91	0.00
11	TP	Carbon disulfide	0.525	0.573	-9.1	84	0.00
12	TP	Freon-113	0.184	0.188	-2.2	75	0.00
14	TP	Acrolein	0.021	0.021	0.0	79	0.00
15	TP	Methylene chloride	0.218	0.231	-6.0	85	0.00
17	TP	Acetone	0.043	0.041	4.7	83	0.00
18	TP	trans-1,2-Dichloroethene	0.195	0.206	-5.6	82	0.00
19	TP	Methyl acetate	0.096	0.097	-1.0	83	0.00
21	TP	Methyl tert-butyl ether	0.520	0.498	4.2	76	0.00
22	TP	tert-Butyl alcohol	0.013	0.012	7.7	70	0.00
24	TP	Diisopropyl ether	0.653	0.678	-3.8	83	0.00
25	TP	1,1-Dichloroethane	0.389	0.427	-9.8	86	0.00
26	TP	Halothane	0.150	0.151	-0.7	78	0.00
27	TP	Acrylonitrile	0.053	0.051	3.8	78	0.00
28	TP	Ethyl tert-butyl ether	0.684	0.681	0.4	81	0.00
29	TP	Vinyl acetate	0.452	0.441	2.4	80	0.00
30	TP	cis-1,2-Dichloroethene	0.222	0.236	-6.3	83	0.00
31	TP	2,2-Dichloropropane	0.307	0.303	1.3	76	0.00
33	TP	Bromochloromethane	0.101	0.105	-4.0	80	0.00
34	TP	Cyclohexane	0.395	0.403	-2.0	77	0.00
35	TP	Chloroform	0.365	0.373	-2.2	85	0.00
36	TP	Ethyl acetate	0.152	0.135	11.2	70	0.00
37	TP	Carbon tetrachloride	0.265	0.269	-1.5	78	0.00
38	TP	Tetrahydrofuran	0.042	0.039	7.1	75	0.00
39	S	Dibromofluoromethane	0.229	0.229	0.0	79	0.00
40	TP	1,1,1-Trichloroethane	0.322	0.338	-5.0	80	0.00
42	TP	2-Butanone	0.061	0.055	9.8	83	0.00
43	TP	1,1-Dichloropropene	0.282	0.293	-3.9	80	0.00
45	TP	Benzene	0.889	0.953	-7.2	85	0.00
46	TP	tert-Amyl methyl ether	0.572	0.535	6.5	76	0.00
47	S	1,2-Dichloroethane-d4	0.271	0.273	-0.7	82	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A01.D
Acq On : 21 Nov 2024 8:34 am
Operator : ELAINE:PID
Sample : WG2000602-2
Misc : WG2000602,ICAL21711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 09:19:13 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	T	1,2-Dichloroethane	0.283	0.297	-4.9	85	0.00
51	TP	Methyl cyclohexane	0.396	0.396	0.0	78	0.00
52	TP	Trichloroethene	0.211	0.230	-9.0	83	0.00
54	TP	Dibromomethane	0.121	0.122	-0.8	80	0.00
55	TP	1,2-Dichloropropane	0.226	0.243	-7.5	85	0.00
58	TP	Bromodichloromethane	0.293	0.300#	-2.4	80	0.00
61	TP	1,4-Dioxane	0.00148	0.00162#	-9.5	84	0.00
62	TP	cis-1,3-Dichloropropene	0.338	0.350	-3.6	80	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
64	S	Toluene-d8	1.364	1.393	-2.1	81	0.00
65	TP	Toluene	0.786	0.842	-7.1	82	0.00
66	TP	4-Methyl-2-pentanone	0.083	0.077	7.2	78	0.00
67	TP	Tetrachloroethene	0.316	0.326	-3.2	77	0.00
69	TP	trans-1,3-Dichloropropene	0.389	0.406	-4.4	78	0.00
71	TP	Ethyl methacrylate	0.297	0.275	7.4	72	0.00
72	TP	1,1,2-Trichloroethane	0.207	0.212	-2.4	80	0.00
73	TP	Chlorodibromomethane	0.277	0.269	2.9	78	0.00
74	TP	1,3-Dichloropropane	0.426	0.447	-4.9	82	0.00
75	TP	1,2-Dibromoethane	0.245	0.242	1.2	78	0.00
77	TP	2-Hexanone	0.133	0.112	15.8	68	0.00
78	TP	Chlorobenzene	0.835	0.886	-6.1	82	0.00
79	TP	Ethylbenzene	1.502	1.612	-7.3	82	0.00
80	TP	1,1,1,2-Tetrachloroethane	0.277	0.290	-4.7	80	0.00
81	TP	p/m Xylene	0.578	0.628	-8.7	84	0.00
82	TP	o Xylene	0.564	0.609	-8.0	84	0.00
83	TP	Styrene	0.952	0.996	-4.6	84	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	76	0.00
85	TP	Bromoform	0.296	0.276	6.8	72	0.00
87	TP	Isopropylbenzene	2.954	3.247	-9.9	82	0.00
88	S	4-Bromofluorobenzene	0.919	0.945	-2.8	79	0.00
89	TP	Bromobenzene	0.659	0.700	-6.2	78	0.00
90	TP	n-Propylbenzene	3.351	3.793	-13.2	84	0.00
91	TP	1,4-Dichlorobutane	0.785	0.826	-5.2	78	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.570	0.590	-3.5	79	0.00
93	TP	4-Ethyltoluene	2.780	3.138	-12.9	83	0.00
94	TP	2-Chlorotoluene	1.946	2.201	-13.1	84	0.00
95	TP	1,3,5-Trimethylbenzene	2.460	2.762	-12.3	83	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A01.D
Acq On : 21 Nov 2024 8:34 am
Operator : ELAINE:PID
Sample : WG2000602-2
Misc : WG2000602,ICAL21711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 09:19:13 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 TP	1,2,3-Trichloropropane	0.450	0.460	-2.2	78	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.163	0.163	0.0	80	0.00
98 TP	4-Chlorotoluene	2.013	2.250	-11.8	83	0.00
99 TP	tert-Butylbenzene	2.030	2.206	-8.7	80	0.00
102 TP	1,2,4-Trimethylbenzene	2.467	2.724	-10.4	82	0.00
103 TP	sec-Butylbenzene	3.100	3.414	-10.1	82	0.00
104 TP	p-Isopropyltoluene	2.568	2.846	-10.8	82	0.00
105 TP	1,3-Dichlorobenzene	1.320	1.447	-9.6	83	0.00
106 TP	1,4-Dichlorobenzene	1.324	1.435	-8.4	82	0.00
107 TP	p-Diethylbenzene	1.503	1.661	-10.5	81	0.00
108 TP	n-Butylbenzene	2.240	2.518	-12.4	83	0.00
109 TP	1,2-Dichlorobenzene	1.256	1.302	-3.7	80	0.00
110 TP	1,2,4,5-Tetramethylbenzene	2.408	2.501	-3.9	80	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.076	0.066	13.2	69	0.00
112 TP	1,3,5-Trichlorobenzene	0.896	0.914	-2.0	77	0.00
113 TP	Hexachlorobutadiene	0.239	0.252	-5.4	76	0.00
114 TP	1,2,4-Trichlorobenzene	0.782	0.800	-2.3	77	0.00
115 TP	Naphthalene	1.837	1.752	4.6	74	0.00
116 TP	1,2,3-Trichlorobenzene	0.698	0.694	0.6	76	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A01.D
Acq On : 21 Nov 2024 8:34 am
Operator : ELAINE:PID
Sample : WG2000602-2
Misc : WG2000602,ICAL21711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 09:19:13 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	5.936	96	210887	10.000	ug/L		0.00
63) Chlorobenzene-d5	9.467	117	150086	10.000	ug/L		0.00
84) 1,4-Dichlorobenzene-d4	12.186	152	75901	10.000	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	5.139	113	48278	9.984	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.84%				
47) 1,2-Dichloroethane-d4	5.655	65	57530	10.055	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.55%				
64) Toluene-d8	7.623	98	209128	10.217	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.17%				
88) 4-Bromofluorobenzene	10.970	95	71741	10.288	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.88%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.586	85	38262	8.120	ug/L	#	93
3) Chloromethane	1.773	50	44050	9.462	ug/L		99
4) Vinyl chloride	1.848	62	51902	10.462	ug/L		94
5) Bromomethane	2.155	94	29281	8.409	ug/L		94
6) Chloroethane	2.275	64	38843	10.814	ug/L		99
7) Trichlorofluoromethane	2.411	101	71862	9.929	ug/L		93
8) Ethyl ether	2.704	74	22076	9.863	ug/L		90
10) 1,1-Dichloroethene	2.891	96	42592	11.555	ug/L		86
11) Carbon disulfide	2.919	76	120802	10.913	ug/L		95
12) Freon-113	2.930	101	39628M1	10.195	ug/L		
14) Acrolein	3.203	56	4481M3	9.956	ug/L		
15) Methylene chloride	3.446	84	48718	10.588	ug/L		85
17) Acetone	3.471	43	8639M1	9.540	ug/L		
18) trans-1,2-Dichloroethene	3.591	96	43496	10.596	ug/L		94
19) Methyl acetate	3.597	43	20453	10.110	ug/L	#	86
21) Methyl tert-butyl ether	3.689	73	105020	9.571	ug/L		90
22) tert-Butyl alcohol	3.775	59	12603	45.574	ug/L	#	65
24) Diisopropyl ether	4.048	45	142950	10.384	ug/L		94
25) 1,1-Dichloroethane	4.174	63	90073	10.978	ug/L		98
26) Halothane	4.230	117	31806	10.048	ug/L	#	75
27) Acrylonitrile	4.213	53	10800	9.730	ug/L	#	87
28) Ethyl tert-butyl ether	4.394	59	143538	9.951	ug/L		97
29) Vinyl acetate	4.402	43	93004	9.760	ug/L		98
30) cis-1,2-Dichloroethene	4.690	96	49773	10.622	ug/L		92
31) 2,2-Dichloropropane	4.790	77	63893	9.869	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A01.D
Acq On : 21 Nov 2024 8:34 am
Operator : ELAINE:PID
Sample : WG2000602-2
Misc : WG2000602,ICAL21711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 09:19:13 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
33) Bromochloromethane	4.879	128	22097	10.351	ug/L		87
34) Cyclohexane	4.885	56	84921	10.182	ug/L		85
35) Chloroform	4.955	83	78694	10.223	ug/L		96
36) Ethyl acetate	5.055	43	28458	8.852	ug/L	#	97
37) Carbon tetrachloride	5.088	117	56831	10.180	ug/L	#	62
38) Tetrahydrofuran	5.100	42	8184M1	9.181	ug/L		
40) 1,1,1-Trichloroethane	5.155	97	71191	10.474	ug/L		92
42) 2-Butanone	5.239	43	11674	9.040	ug/L		97
43) 1,1-Dichloropropene	5.273	75	61722	10.364	ug/L		94
45) Benzene	5.518	78	200911	10.712	ug/L		94
46) tert-Amyl methyl ether	5.624	73	112859	9.350	ug/L		97
48) 1,2-Dichloroethane	5.721	62	62600	10.494	ug/L		99
51) Methyl cyclohexane	6.104	83	83514	9.999	ug/L		88
52) Trichloroethene	6.112	95	48462	10.898	ug/L		95
54) Dibromomethane	6.555	93	25678	10.104	ug/L		96
55) 1,2-Dichloropropane	6.656	63	51231	10.752	ug/L	#	90
58) Bromodichloromethane	6.734	83	63184	10.218	ug/L		92
61) 1,4-Dioxane	6.935	88	17092	548.947	ug/L	#	77
62) cis-1,3-Dichloropropene	7.414	75	73886	10.352	ug/L		89
65) Toluene	7.682	92	126409	10.718	ug/L		94
66) 4-Methyl-2-pentanone	8.114	58	11594	9.354	ug/L	#	74
67) Tetrachloroethene	8.131	166	48874	10.307	ug/L		95
69) trans-1,3-Dichloropropene	8.164	75	60882	10.424	ug/L		86
71) Ethyl methacrylate	8.354	69	41205	9.250	ug/L		90
72) 1,1,2-Trichloroethane	8.348	83	31859	10.278	ug/L		99
73) Chlorodibromomethane	8.569	129	40401	9.714	ug/L		99
74) 1,3-Dichloropropane	8.672	76	67090	10.483	ug/L		99
75) 1,2-Dibromoethane	8.842	107	36388	9.908	ug/L		85
77) 2-Hexanone	9.121	43	16776	8.425	ug/L	#	94
78) Chlorobenzene	9.486	112	132939	10.605	ug/L	#	81
79) Ethylbenzene	9.525	91	241939	10.735	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.575	131	43530	10.459	ug/L		95
81) p/m Xylene	9.712	106	188376	21.713	ug/L		96
82) o Xylene	10.259	106	182684	21.594	ug/L		88
83) Styrene	10.323	104	298958	20.932	ug/L		95
85) Bromoform	10.351	173	20916	9.323	ug/L		92
87) Isopropylbenzene	10.643	105	246487	10.993	ug/L		98
89) Bromobenzene	11.084	156	53104	10.610	ug/L		97
90) n-Propylbenzene	11.129	91	287863	11.319	ug/L		97
91) 1,4-Dichlorobutane	11.145	55	62712	10.529	ug/L		100
92) 1,1,2,2-Tetrachloroethane	11.215	83	44811	10.352	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A01.D
Acq On : 21 Nov 2024 8:34 am
Operator : ELAINE:PID
Sample : WG2000602-2
Misc : WG2000602,ICAL21711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 09:19:13 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 4-Ethyltoluene	11.257	105	238152	11.285	ug/L	100
94) 2-Chlorotoluene	11.296	91	167041M1	11.309	ug/L	
95) 1,3,5-Trimethylbenzene	11.349	105	209640	11.227	ug/L	96
96) 1,2,3-Trichloropropane	11.355	75	34888	10.210	ug/L	90
97) trans-1,4-Dichloro-2-b...	11.405	53	12406	10.028	ug/L	86
98) 4-Chlorotoluene	11.477	91	170769	11.175	ug/L	100
99) tert-Butylbenzene	11.695	119	167437	10.866	ug/L	96
102) 1,2,4-Trimethylbenzene	11.770	105	206771	11.042	ug/L	96
103) sec-Butylbenzene	11.884	105	259147	11.014	ug/L	98
104) p-Isopropyltoluene	12.041	119	216035	11.082	ug/L	96
105) 1,3-Dichlorobenzene	12.107	146	109798	10.960	ug/L	97
106) 1,4-Dichlorobenzene	12.200	146	108913	10.839	ug/L	99
107) p-Diethylbenzene	12.417	119	126089	11.055	ug/L	97
108) n-Butylbenzene	12.473	91	191154	11.244	ug/L	99
109) 1,2-Dichlorobenzene	12.623	146	98830	10.368	ug/L	99
110) 1,2,4,5-Tetramethylben...	13.209	119	189807	10.387	ug/L	97
111) 1,2-Dibromo-3-chloropr...	13.404	155	5047	8.718	ug/L	94
112) 1,3,5-Trichlorobenzene	13.435	180	69385	10.206	ug/L	93
113) Hexachlorobutadiene	14.009	225	19153	10.553	ug/L	91
114) 1,2,4-Trichlorobenzene	14.034	180	60728	10.230	ug/L	99
115) Naphthalene	14.327	128	132947	9.536	ug/L	100
116) 1,2,3-Trichlorobenzene	14.495	180	52655	9.936	ug/L	94

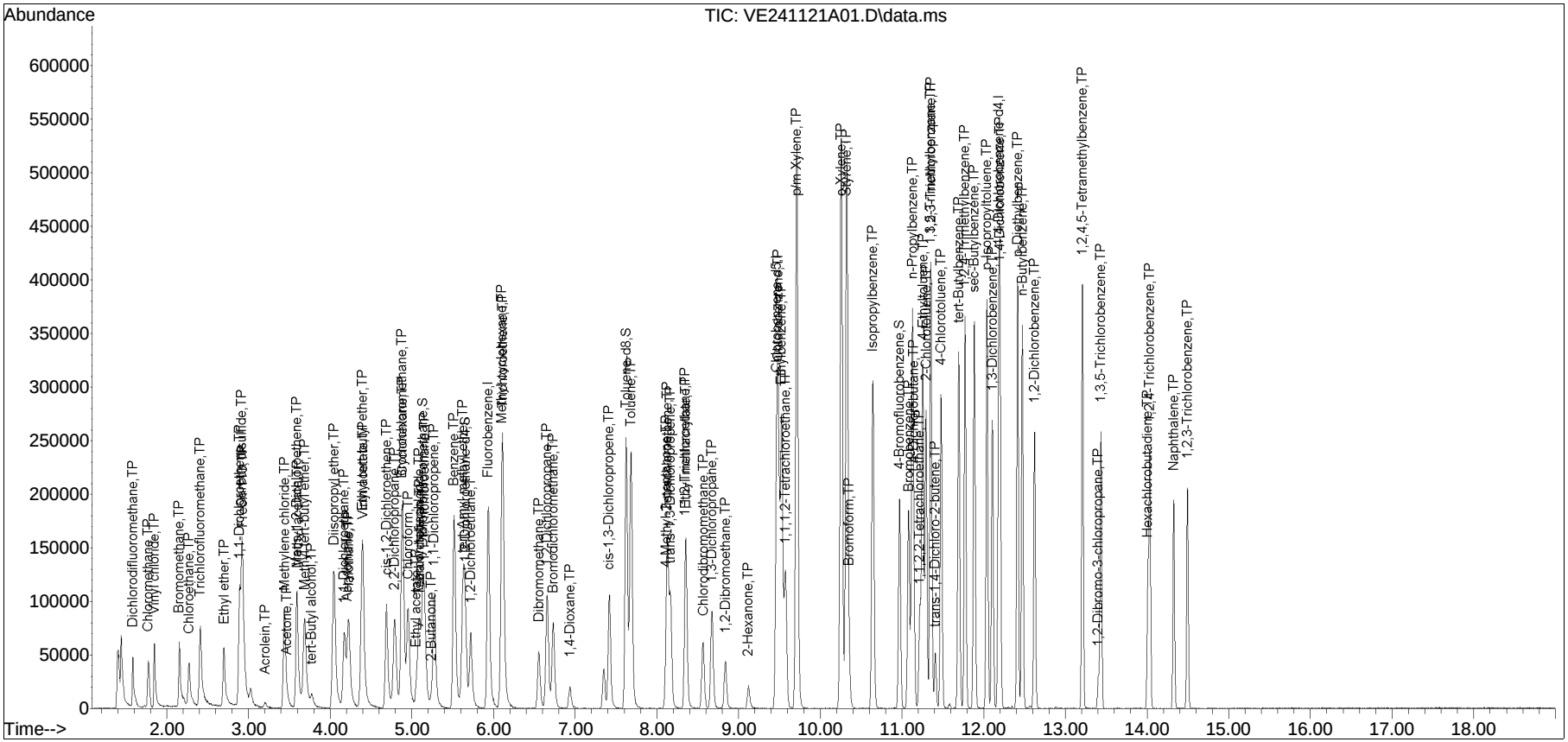
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A01.D
Acq On : 21 Nov 2024 8:34 am
Operator : ELAINE:PID
Sample : WG2000602-2
Misc : WG2000602,ICAL21711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 09:19:13 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

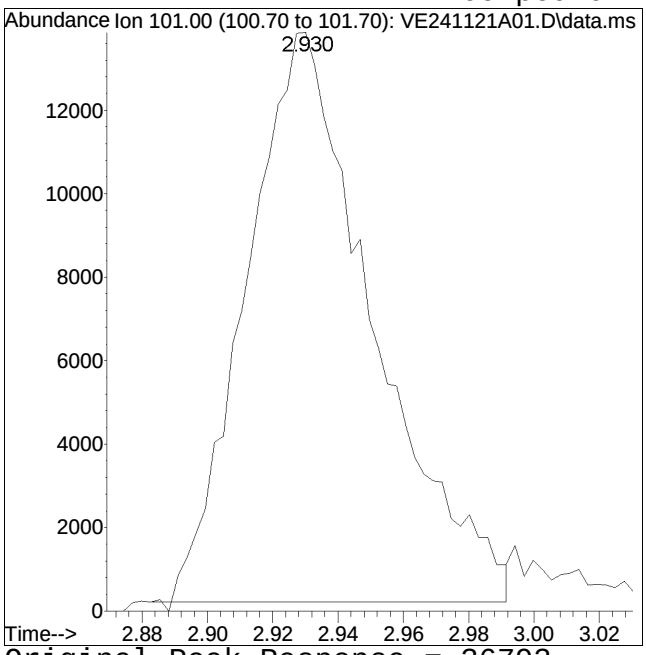
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

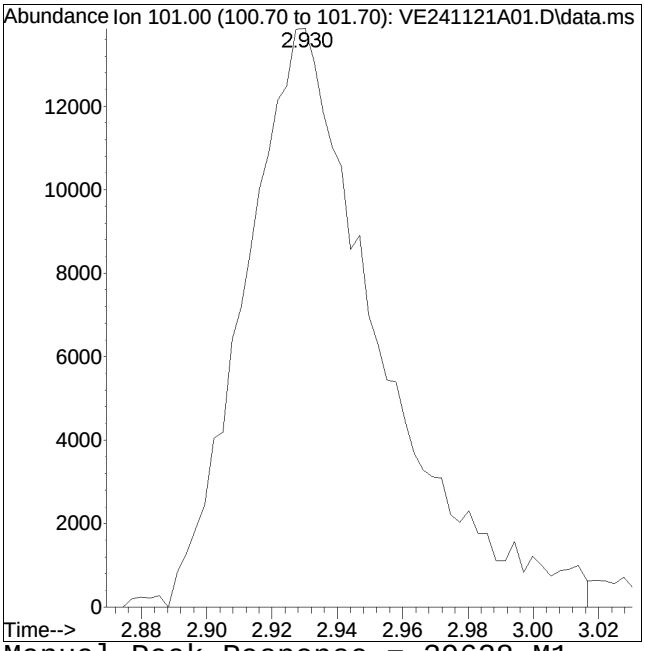


Manual Integration Report

Data Path	: K:\Elaine\2024\241121A\	QMethod	: Elaine_241115A_8260.m
Data File	: VE241121A01.D	Operator	: ELAINE:PID
Date Inj'd	: 11/21/2024 8:34 am	Instrument	: Elaine
Sample	: WG2000602-2	Quant Date	: 11/21/2024 9:18 am

Compound #12: Freon-113





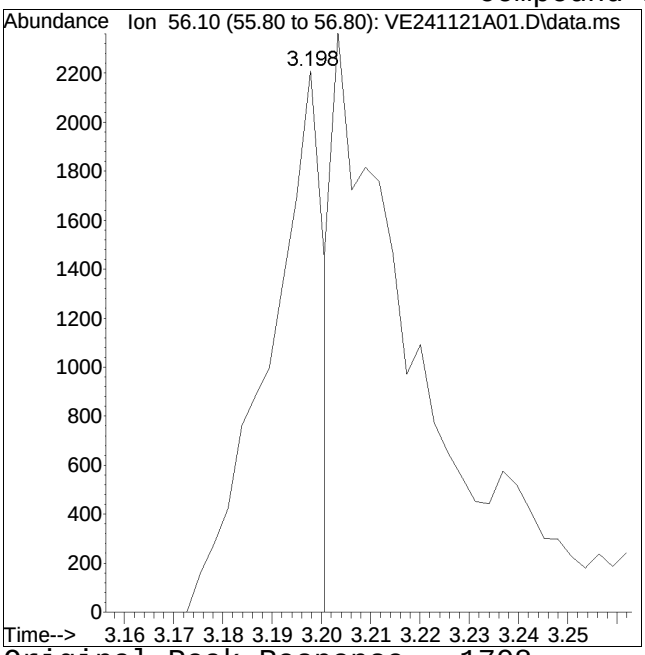
Original Peak Response = 36793 Manual Peak Response = 39628 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

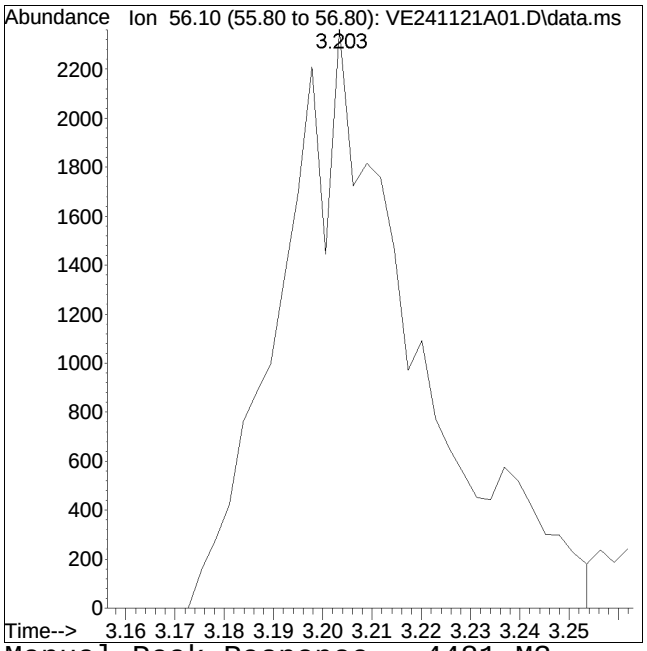
Manual Integration Report

Data Path	: K:\Elaine\2024\241121A\	QMethod	: Elaine_241115A_8260.m
Data File	: VE241121A01.D	Operator	: ELAINE:PID
Date Inj'd	: 11/21/2024 8:34 am	Instrument	: Elaine
Sample	: WG2000602-2	Quant Date	: 11/21/2024 9:18 am

Compound #14: Acrolein



Original Peak Response = 1708



Manual Peak Response = 4481 M3

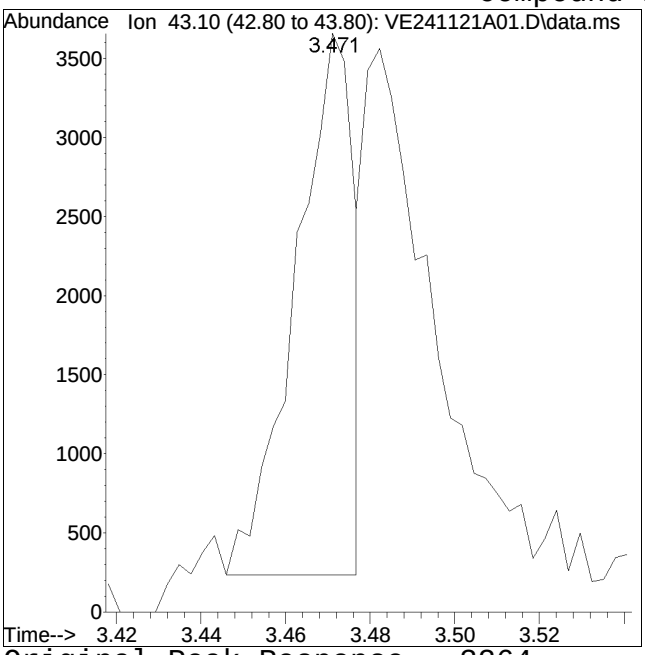
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

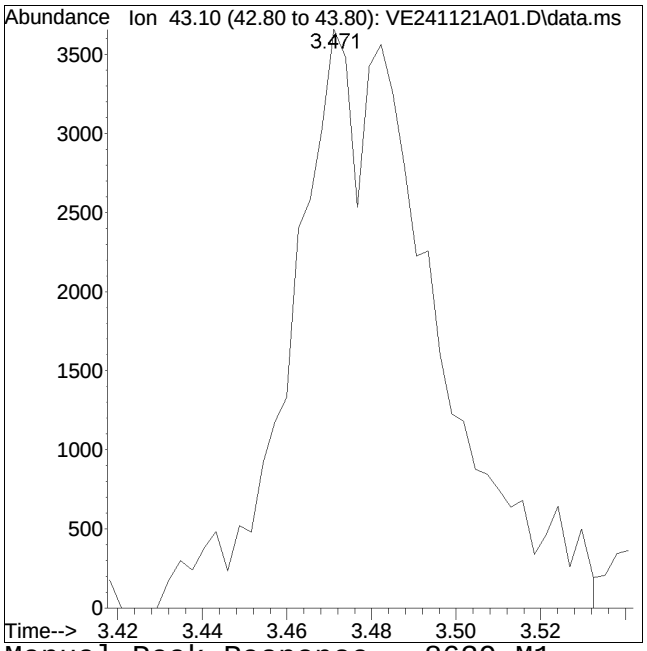
Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A01.D
Date Inj'd : 11/21/2024 8:34 am
Sample : WG2000602-2

QMethod : Elaine_241115A_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 11/21/2024 9:18 am

Compound #17: Acetone



Original Peak Response = 3264



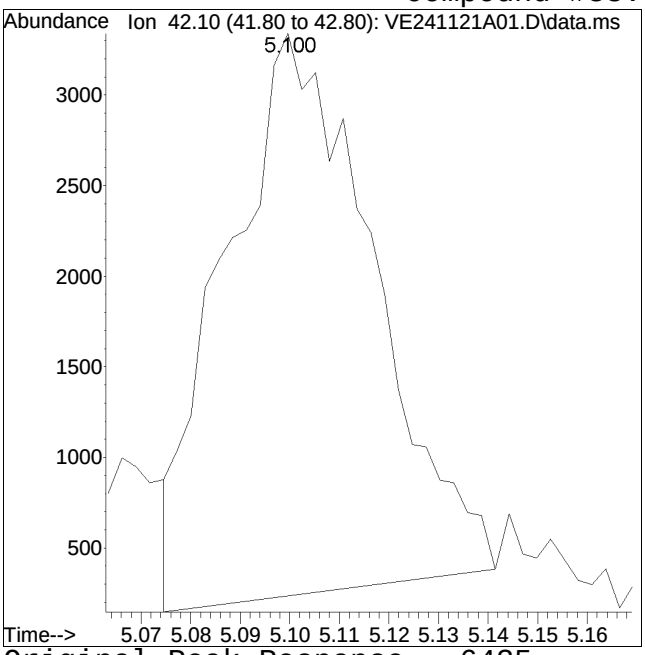
Manual Peak Response = 8639 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

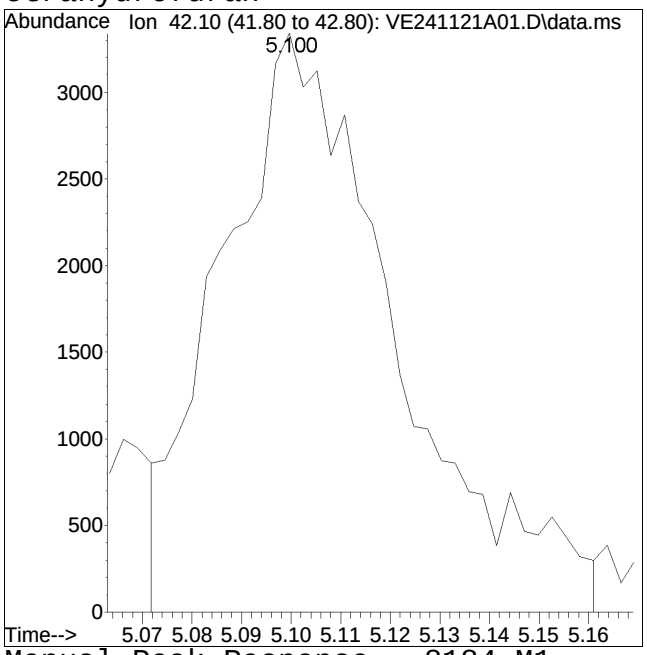
Manual Integration Report

Data Path	: K:\Elaine\2024\241121A\	QMethod	: Elaine_241115A_8260.m
Data File	: VE241121A01.D	Operator	: ELAINE:PID
Date Inj'd	: 11/21/2024 8:34 am	Instrument	: Elaine
Sample	: WG2000602-2	Quant Date	: 11/21/2024 9:18 am

Compound #38: Tetrahydrofuran



Original Peak Response = 6435



Manual Peak Response = 8184 M1

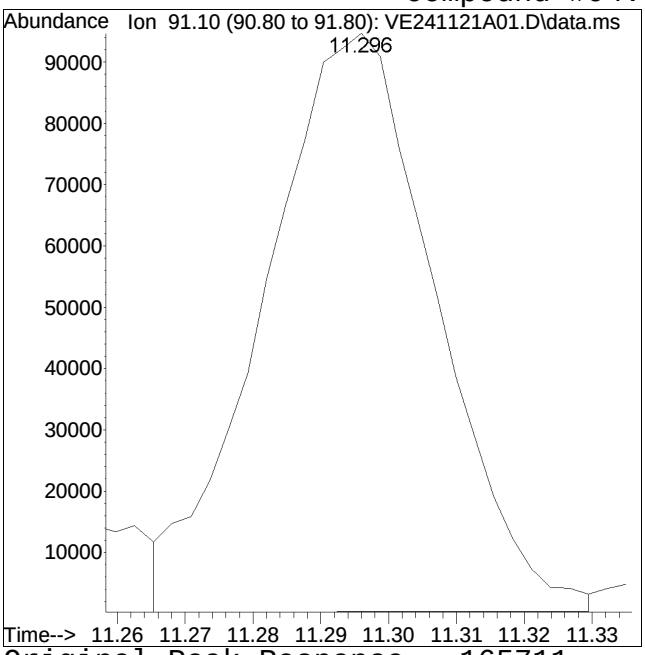
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

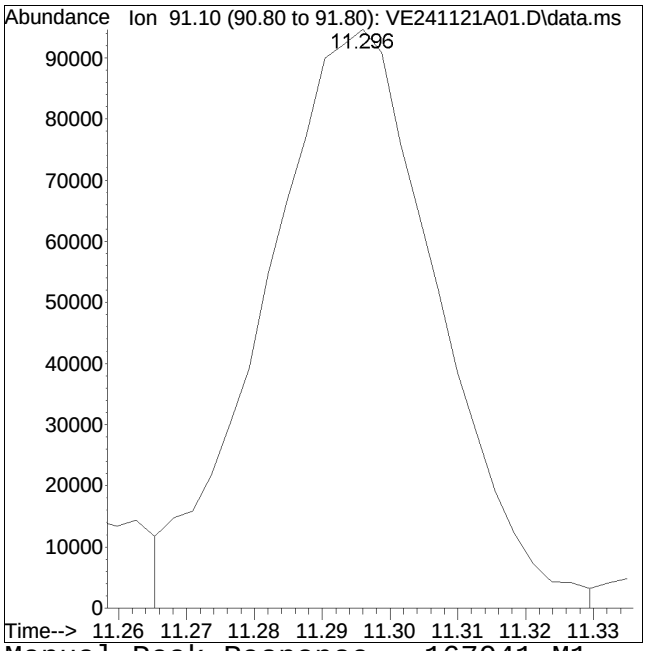
Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A01.D
Date Inj'd : 11/21/2024 8:34 am
Sample : WG2000602-2

QMethod : Elaine_241115A_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 11/21/2024 9:18 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 165711



Manual Peak Response = 167041 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N01.D
Acq On : 21 Nov 2024 10:16 pm
Operator : VOA101:TMS
Sample : WG2001016-2
Misc : WG2001016,ICAL21487
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 23:45:32 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	76	0.00
36	S	Dibromofluoromethane	0.262	0.290	-10.7	86	0.00
41	TP	Benzene	0.970	0.901	7.1	74	0.00
43	S	1,2-Dichloroethane-d4	0.301	0.265	12.0	69	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
60	S	Toluene-d8	1.199	1.162	3.1	80	0.00
61	TP	Toluene	0.801	0.704	12.1	80	0.00
74	TP	Ethylbenzene	1.596	1.355	15.1	78	0.00
76	TP	p/m Xylene	0.653	0.577	11.6	85	0.00
77	TP	o Xylene	0.622	0.529	15.0	82	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
83	S	4-Bromofluorobenzene	0.848	0.770	9.2	89	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N01.D
Acq On : 21 Nov 2024 10:16 pm
Operator : VOA101:TMS
Sample : WG2001016-2
Misc : WG2001016,ICAL21487
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 23:45:32 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	220828	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 100.00%			
59) Chlorobenzene-d5	9.452	117	195447	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.176	152	120841	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.137	113	64122	11.071	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.71%			
43) 1,2-Dichloroethane-d4	5.656	65	58496	8.790	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.90%			
60) Toluene-d8	7.614	98	227206	9.694	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.94%			
83) 4-Bromofluorobenzene	10.960	95	93023	9.077	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.77%			
Target Compounds						Qvalue
41) Benzene	5.522	78	198934	9.287	ug/L	98
61) Toluene	7.672	92	137649	8.793	ug/L	99
74) Ethylbenzene	9.513	91	264807	8.488	ug/L	95
76) p/m Xylene	9.700	106	225422	17.673	ug/L	90
77) o Xylene	10.241	106	206641	17.005	ug/L	92

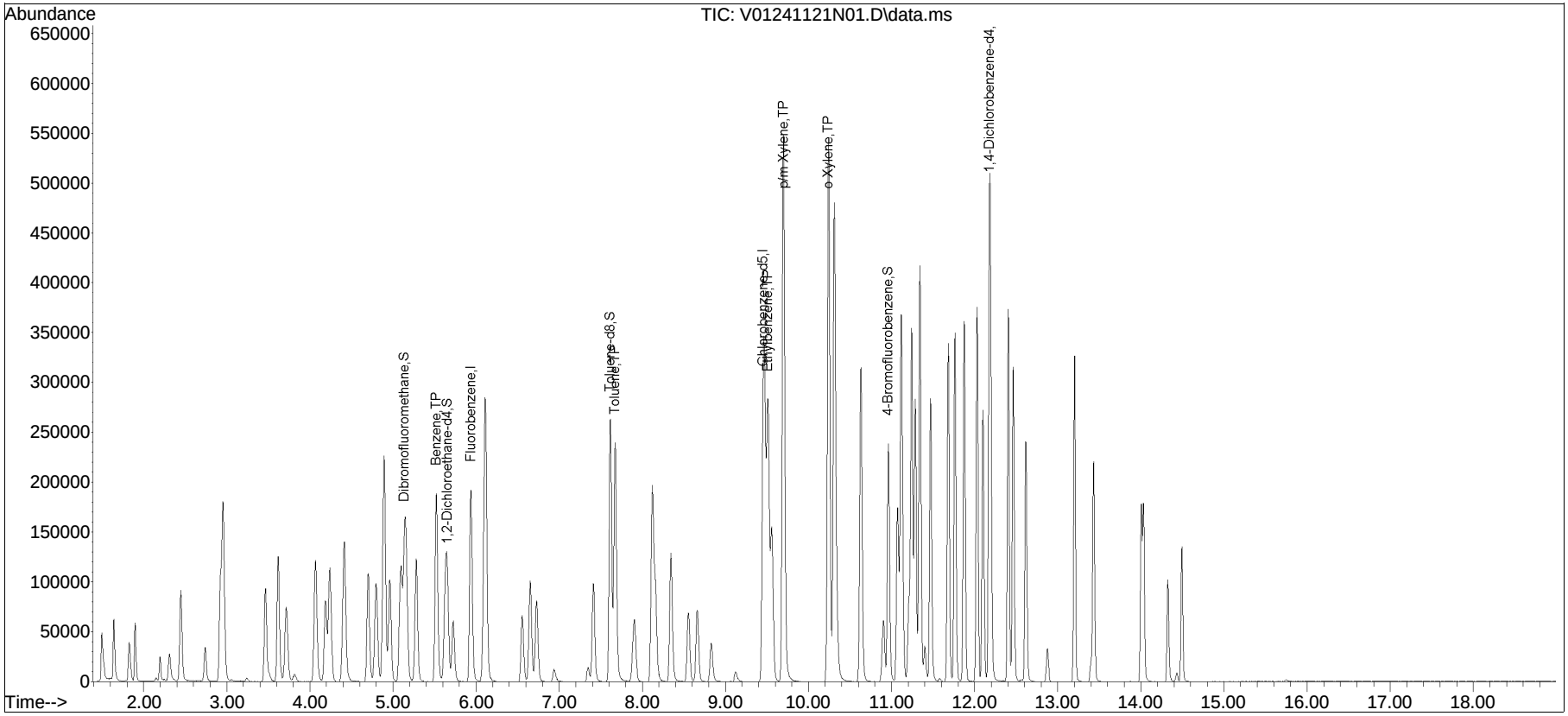
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N01.D
Acq On : 21 Nov 2024 10:16 pm
Operator : VOA101:TMS
Sample : WG2001016-2
Misc : WG2001016,ICAL21487
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 23:45:32 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•



Manual Integration Report

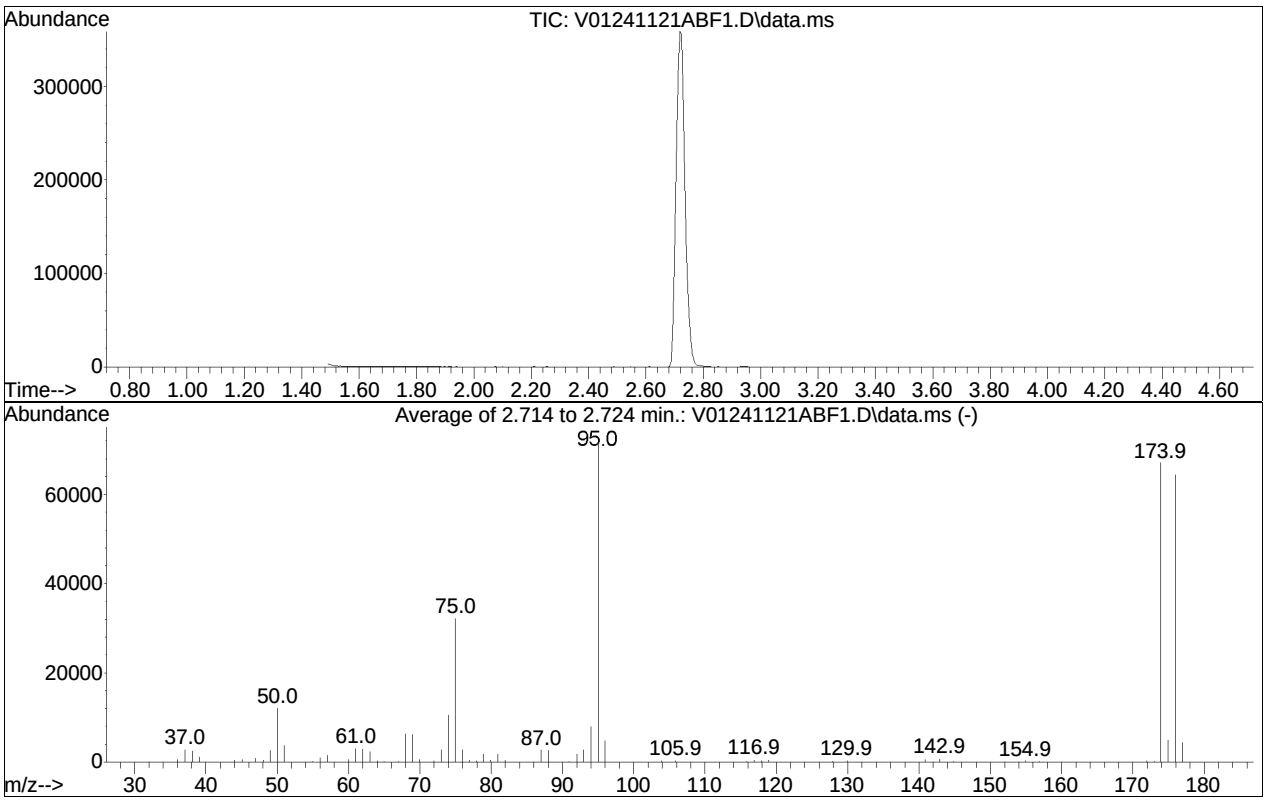
Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N01.D	Operator	: VOA101:TMS
Date Inj'd	: 11/21/2024 10:16 pm	Instrument	: VOA 101
Sample	: WG2001016-2	Quant Date	: 11/21/2024 11:44 pm

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

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121ABF1.D
Acq On : 21 Nov 2024 6:59 am
Operator : VOA101:PID
Sample : WG2000507-1
Misc : WG2000507,ICAL21487
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Sep 12 12:36:16 2024



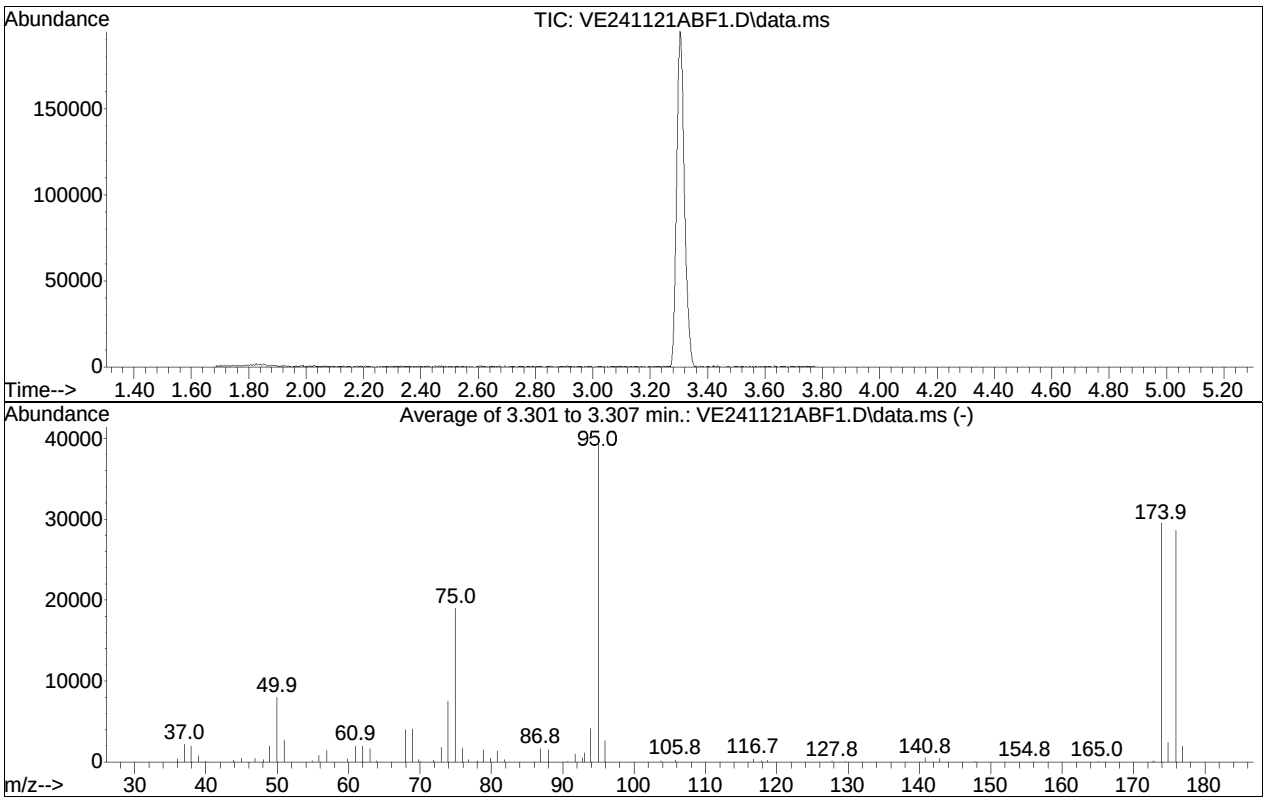
Spectrum Information: Average of 2.714 to 2.724 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.0	12141	PASS
75	95	30	60	44.9	32171	PASS
95	95	100	100	100.0	71613	PASS
96	95	5	9	6.8	4853	PASS
173	174	0.00	2	0.4	246	PASS
174	95	50	100	93.7	67088	PASS
175	174	5	9	7.4	4986	PASS
176	174	95	101	96.1	64456	PASS
177	176	5	9	6.8	4394	PASS

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121ABF1.D
Acq On : 21 Nov 2024 8:20 am
Operator : ELAINE:PID
Sample : WG2000602-1
Misc : WG2000602
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Nov 15 11:49:20 2024



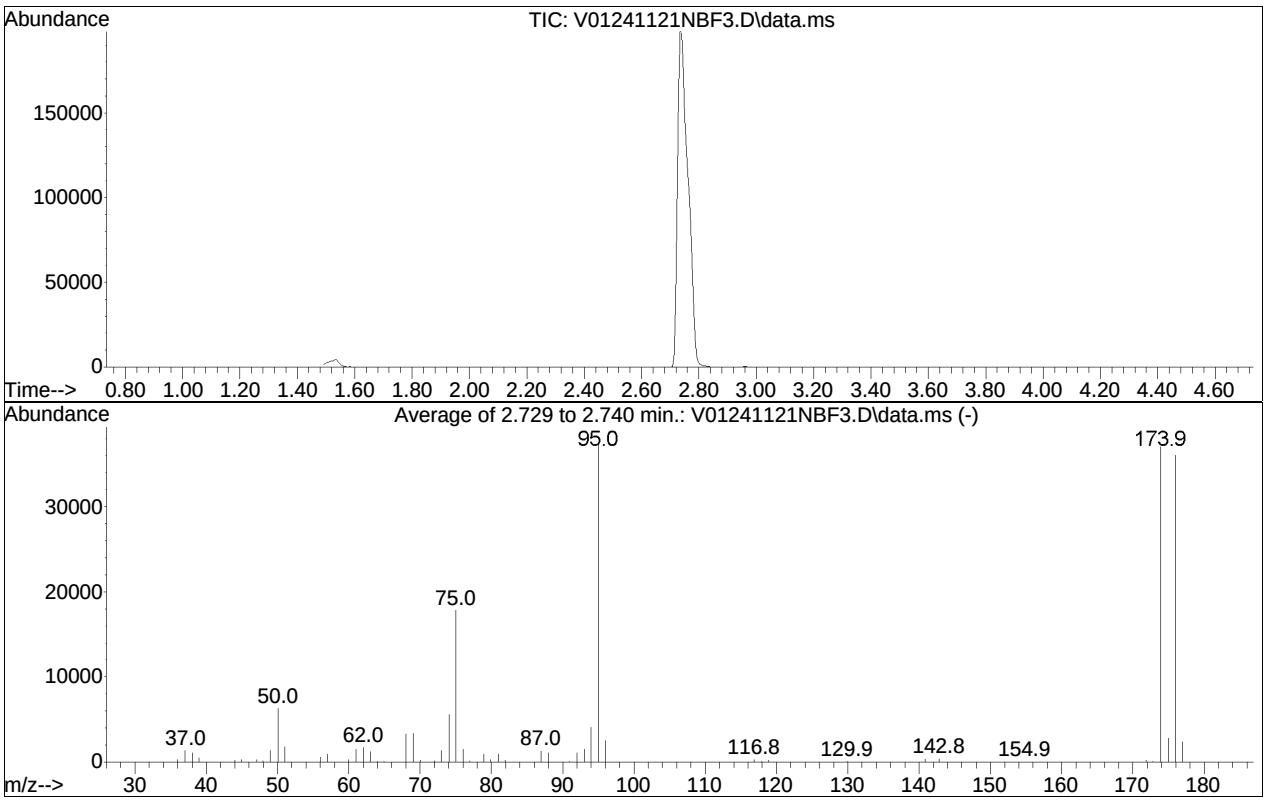
AutoFind: Scans 580, 581, 582; Background Corrected with Scan 566

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	8031	PASS
75	95	30	60	48.2	19032	PASS
95	95	100	100	100.0	39456	PASS
96	95	5	9	6.8	2683	PASS
173	174	0.00	2	0.5	160	PASS
174	95	50	100	74.8	29520	PASS
175	174	5	9	8.2	2418	PASS
176	174	95	101	97.0	28627	PASS
177	176	5	9	6.8	1949	PASS

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121NBF3.D
Acq On : 21 Nov 2024 9:53 pm
Operator : VOA101:TMS
Sample : WG2001016-1
Misc : WG2001016,ICAL21487
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Sep 12 12:36:16 2024



Spectrum Information: Average of 2.729 to 2.740 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	6322	PASS
75	95	30	60	47.6	17851	PASS
95	95	100	100	100.0	37528	PASS
96	95	5	9	6.8	2561	PASS
173	174	0.00	2	0.3	111	PASS
174	95	50	100	98.8	37075	PASS
175	174	5	9	7.6	2825	PASS
176	174	95	101	97.3	36080	PASS
177	176	5	9	6.6	2396	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A07.D
Acq On : 21 Nov 2024 9:50 am
Operator : VOA101:PID
Sample : WG2000507-5,31,10,10
Misc : WG2000507,ICAL21487
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 10:14:42 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121A\V01241121A03.D
Sub List : 8260-Reg - Regular 8260

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.941	96	313768	10.000	ug/L	0.00
Standard Area 1 = 344315			Recovery = 91.13%			
59) Chlorobenzene-d5	9.454	117	259132	10.000	ug/L	0.00
Standard Area 1 = 289208			Recovery = 89.60%			
79) 1,4-Dichlorobenzene-d4	12.176	152	139715	10.000	ug/L	0.00
Standard Area 1 = 172798			Recovery = 80.85%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.140	113	88427	10.745	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.45%			
43) 1,2-Dichloroethane-d4	5.656	65	81220	8.590	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.90%			
60) Toluene-d8	7.619	98	305527	9.832	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.32%			
83) 4-Bromofluorobenzene	10.963	95	109436	9.236	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.36%			
Target Compounds						Qvalue
41) Benzene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
74) Ethylbenzene	9.557	91	26	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		

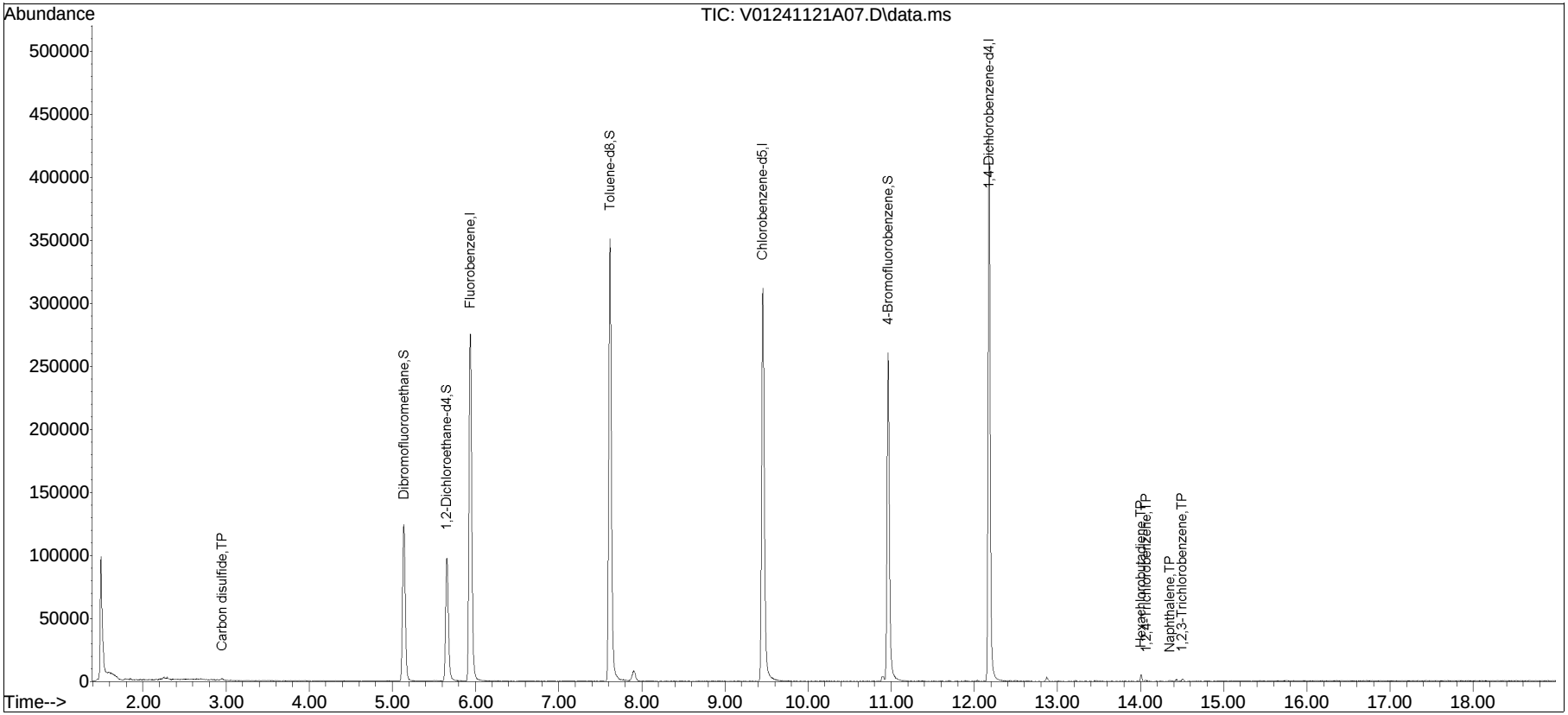
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A07.D
Acq On : 21 Nov 2024 9:50 am
Operator : VOA101:PID
Sample : WG2000507-5,31,10,10
Misc : WG2000507,ICAL21487
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 10:14:42 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-Reg - Regular 826021A\V01241121A03.D•



Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A05.D
Acq On : 21 Nov 2024 10:11 am
Operator : ELAINE:PID
Sample : WG2000602-5,31,10,10
Misc : WG2000602,ICAL21711
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 10:32:23 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241121A\VE241121A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.939	96	206453	10.000	ug/L	0.00
Standard Area 1 = 210887			Recovery = 97.90%			
63) Chlorobenzene-d5	9.469	117	148525	10.000	ug/L	0.00
Standard Area 1 = 150086			Recovery = 98.96%			
84) 1,4-Dichlorobenzene-d4	12.185	152	74485	10.000	ug/L	0.00
Standard Area 1 = 75901			Recovery = 98.13%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.136	113	47571	10.049	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.49%			
47) 1,2-Dichloroethane-d4	5.657	65	57401	10.248	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.48%			
64) Toluene-d8	7.632	98	206581	10.199	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.99%			
88) 4-Bromofluorobenzene	10.972	95	69416	10.144	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.44%			
Target Compounds						Qvalue
45) Benzene	5.518	78	33	N.D.		
65) Toluene	7.682	92	98	N.D.		
79) Ethylbenzene	9.520	91	155	N.D.		
81) p/m Xylene	9.743	106	33	N.D.		
82) o Xylene	10.256	106	34	N.D.		

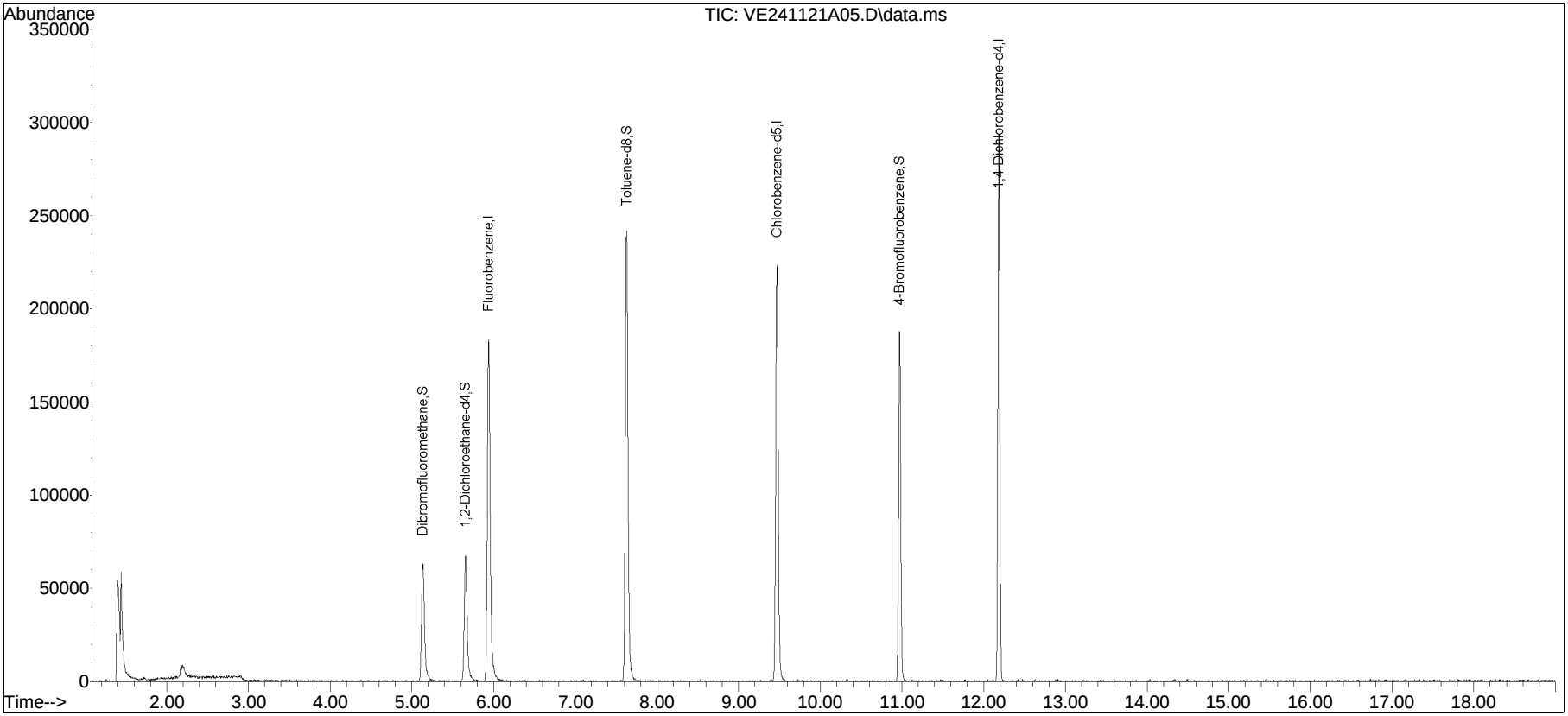
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A05.D
Acq On : 21 Nov 2024 10:11 am
Operator : ELAINE:PID
Sample : WG2000602-5,31,10,10
Misc : WG2000602,ICAL21711
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 10:32:23 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



Manual Integration Report

Data Path	: K:\Elaine\2024\241121A\	QMethod	: Elaine_241115A_8260.m
Data File	: VE241121A05.D	Operator	: ELAINE:PID
Date Inj'd	: 11/21/2024 10:11 am	Instrument	: Elaine
Sample	: WG2000602-5,31,10,10	Quant Date	: 11/21/2024 10:32 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N05.D
Acq On : 22 Nov 2024 12:23 am
Operator : VOA101:TMS
Sample : WG2001016-5,31,10,10
Misc : WG2001016,ICAL21487
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 02:34:28 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	222847	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 100.91%			
59) Chlorobenzene-d5	9.457	117	193471	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 98.99%			
79) 1,4-Dichlorobenzene-d4	12.179	152	109840	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 90.90%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.140	113	65745	11.248	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.48%			
43) 1,2-Dichloroethane-d4	5.653	65	60165	8.959	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.59%			
60) Toluene-d8	7.617	98	222580	9.593	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.93%			
83) 4-Bromofluorobenzene	10.966	95	79253	8.508	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.08%			
Target Compounds						Qvalue
41) Benzene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
74) Ethylbenzene	0.000		0	N.D. d		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		

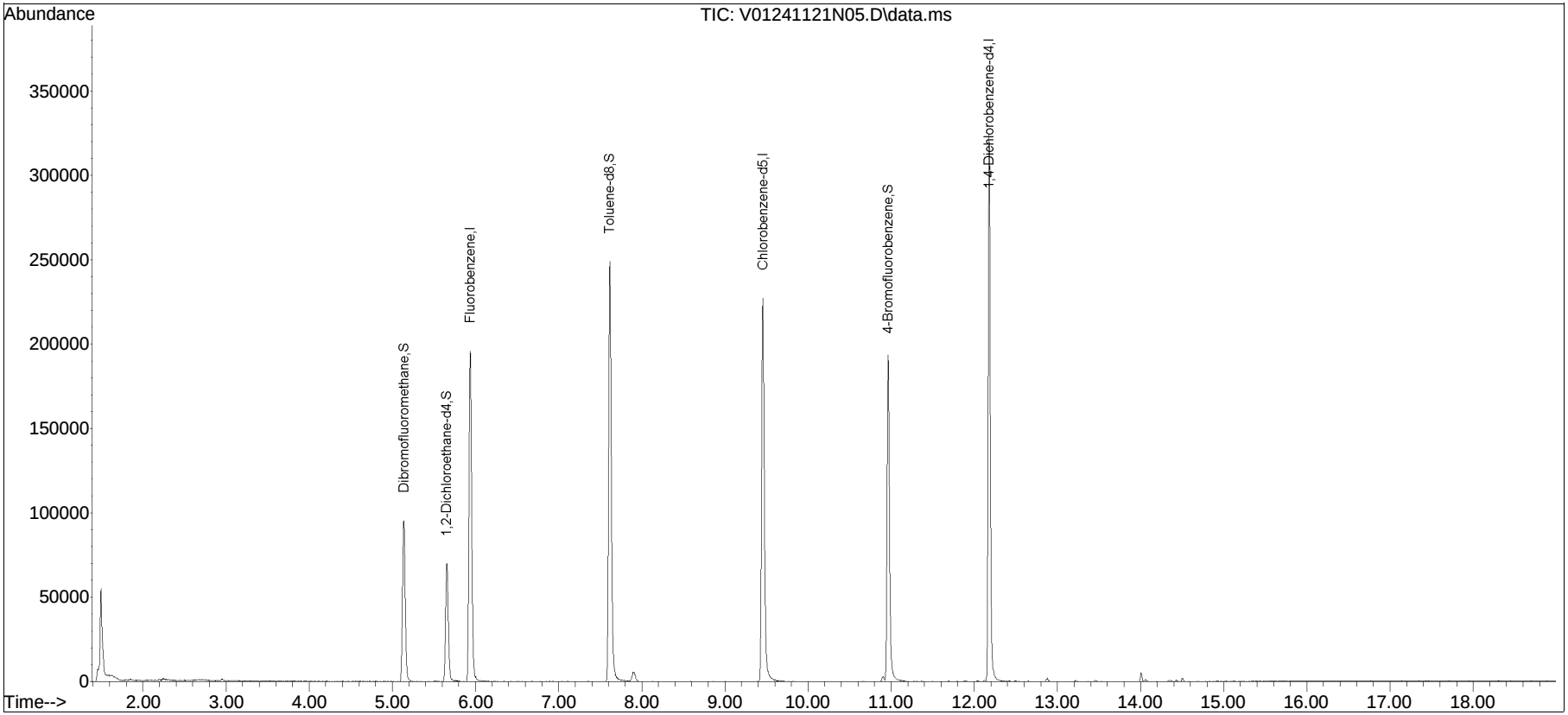
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N05.D
Acq On : 22 Nov 2024 12:23 am
Operator : VOA101:TMS
Sample : WG2001016-5,31,10,10
Misc : WG2001016,ICAL21487
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 02:34:28 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N05.D	Operator	: VOA101:TMS
Date Inj'd	: 11/22/2024 12:23 am	Instrument	: VOA 101
Sample	: WG2001016-5,31,10,10	Quant Date	: 11/22/2024 2:28 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A01.D
Acq On : 21 Nov 2024 8:34 am
Operator : ELAINE:PID
Sample : WG2000602-3,31,10,10
Misc : WG2000602,ICAL21711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 09:19:13 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.936	96	210887	10.000	ug/L	0.00
63) Chlorobenzene-d5	9.467	117	150086	10.000	ug/L	0.00
84) 1,4-Dichlorobenzene-d4	12.186	152	75901	10.000	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	5.139	113	48278	9.984	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.84%			
47) 1,2-Dichloroethane-d4	5.655	65	57530	10.055	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.55%			
64) Toluene-d8	7.623	98	209128	10.217	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.17%			
88) 4-Bromofluorobenzene	10.970	95	71741	10.288	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.88%			
Target Compounds						Qvalue
45) Benzene	5.518	78	200911	10.712	ug/L	94
65) Toluene	7.682	92	126409	10.718	ug/L	94
79) Ethylbenzene	9.525	91	241939	10.735	ug/L	99
81) p/m Xylene	9.712	106	188376	21.713	ug/L	96
82) o Xylene	10.259	106	182684	21.594	ug/L	88

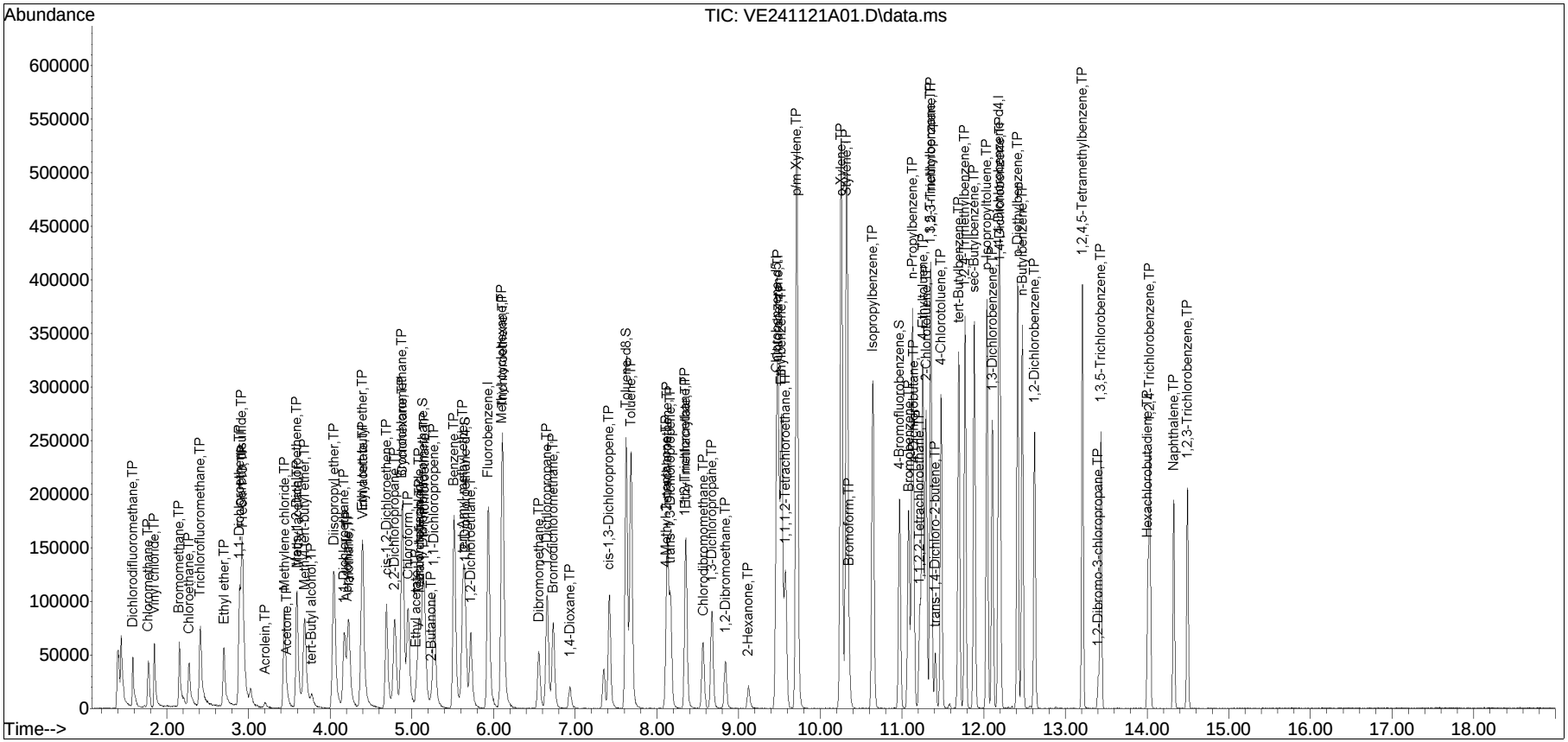
(#) = qualifier out of range (m) = manual integration (+) = signals summed

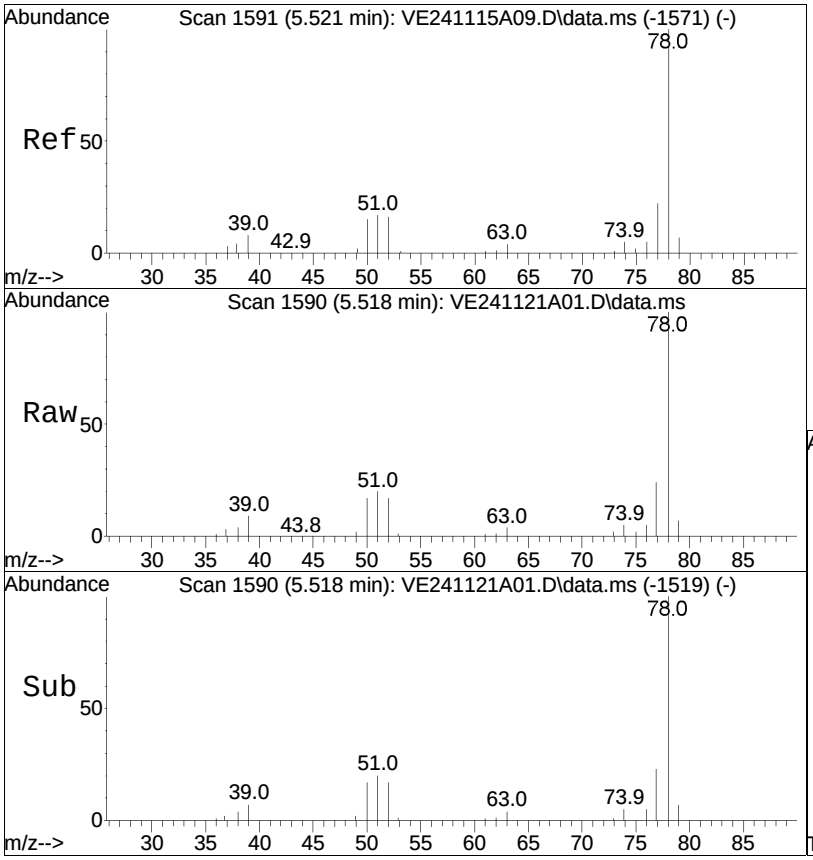
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A01.D
Acq On : 21 Nov 2024 8:34 am
Operator : ELAINE:PID
Sample : WG2000602-3,31,10,10
Misc : WG2000602,ICAL21711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 09:19:13 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

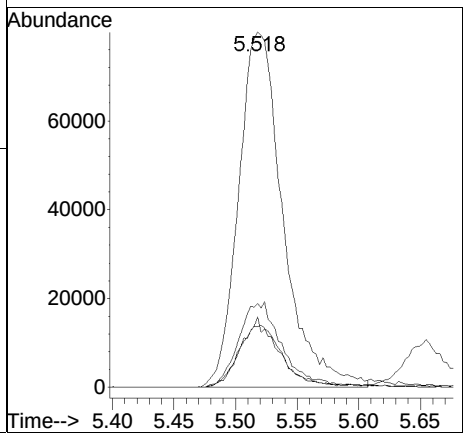


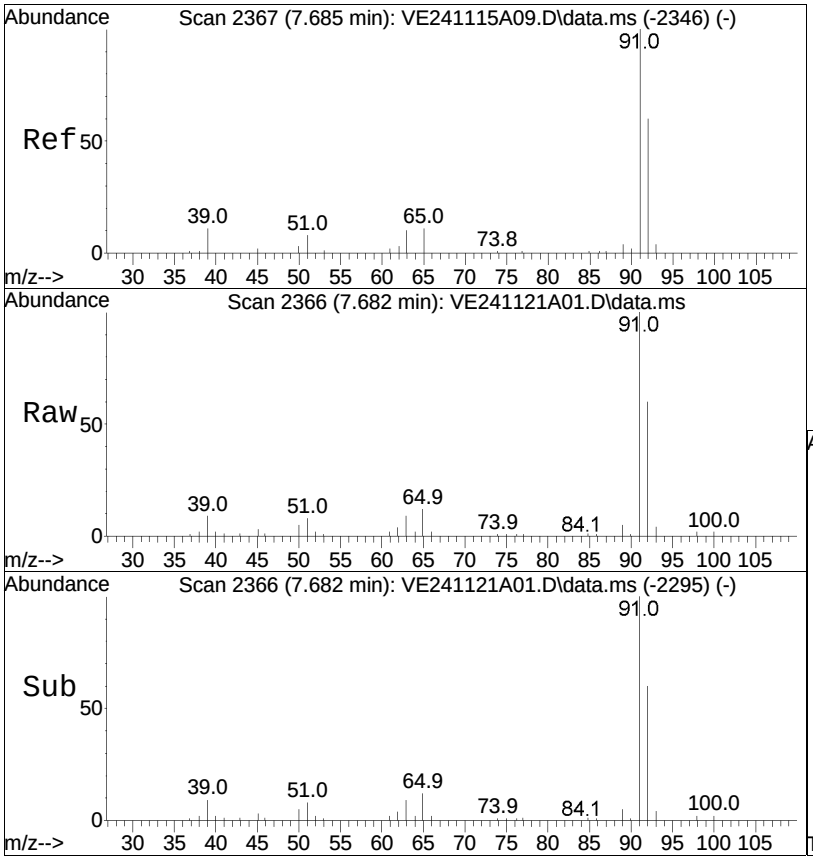


#45
Benzene
Concen: 10.71 ug/L
RT: 5.518 min Scan# 1590
Delta R.T. -0.003 min
Lab File: VE241121A01.D
Acq: 21 Nov 2024 8:34 am

Tgt Ion: 78 Resp: 200911

Ion	Ratio	Lower	Upper
78	100		
77	23.4	12.8	26.6
51	17.4	13.5	27.9
52	17.1	12.0	25.0

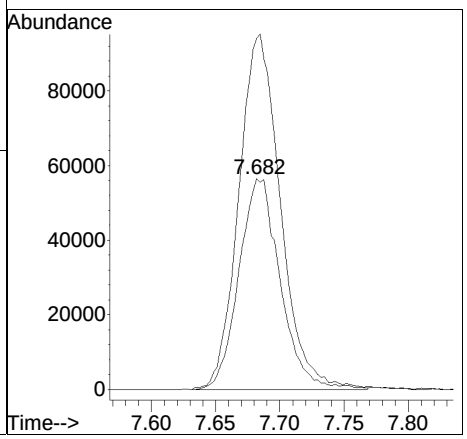


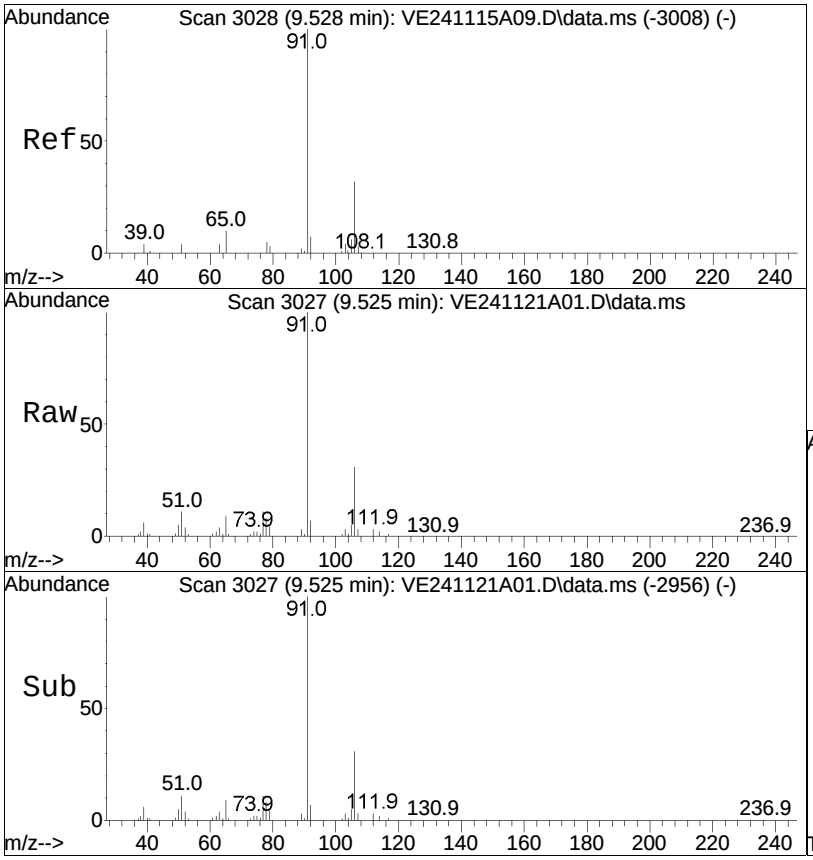


#65
Toluene
Concen: 10.72 ug/L
RT: 7.682 min Scan# 2366
Delta R.T. -0.003 min
Lab File: VE241121A01.D
Acq: 21 Nov 2024 8:34 am

Tgt Ion: 92 Resp: 126409

Ion	Ratio	Lower	Upper
92	100		
91	169.8	129.1	193.7

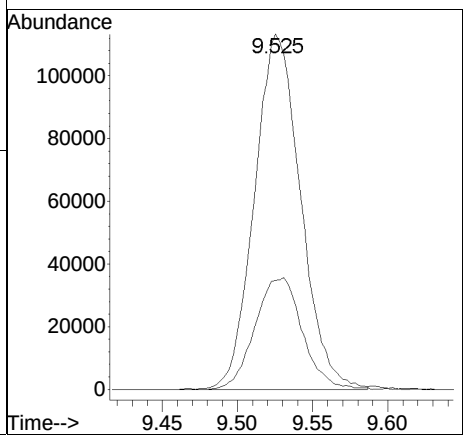


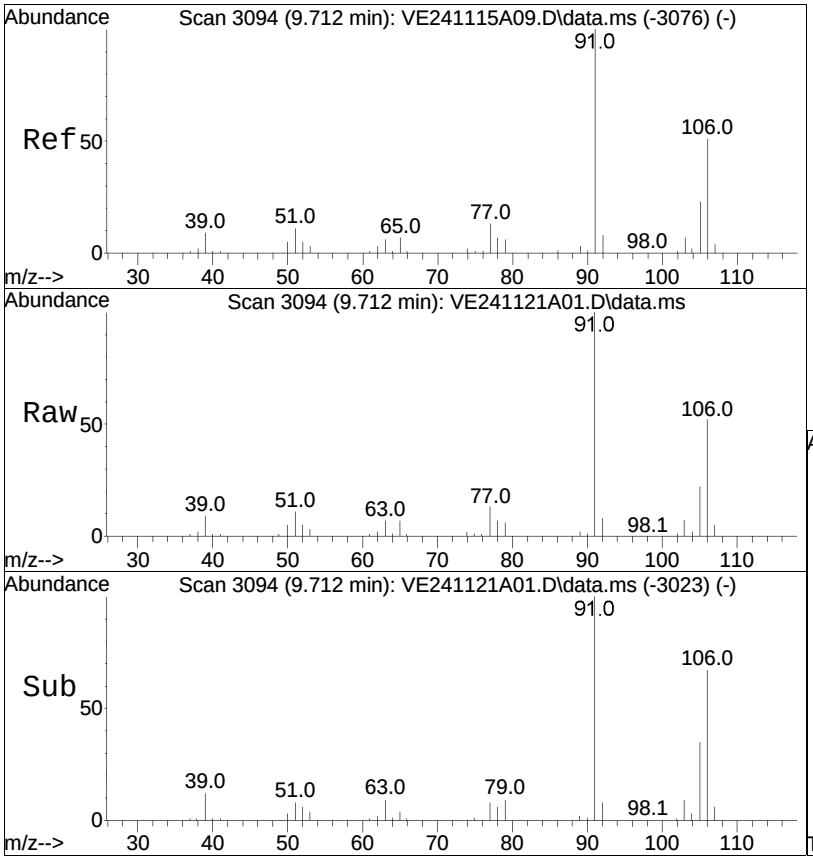


#79
Ethylbenzene
Concen: 10.74 ug/L
RT: 9.525 min Scan# 3027
Delta R.T. -0.003 min
Lab File: VE241121A01.D
Acq: 21 Nov 2024 8:34 am

Tgt Ion: 91 Resp: 241939

Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.3	37.9

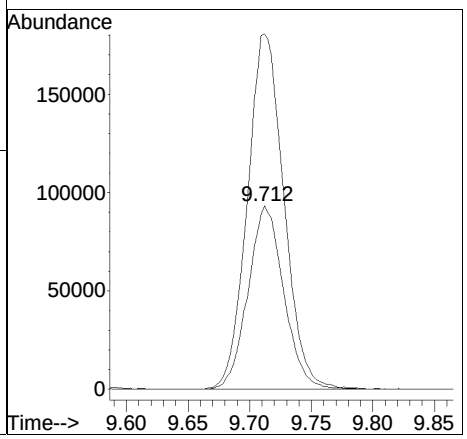


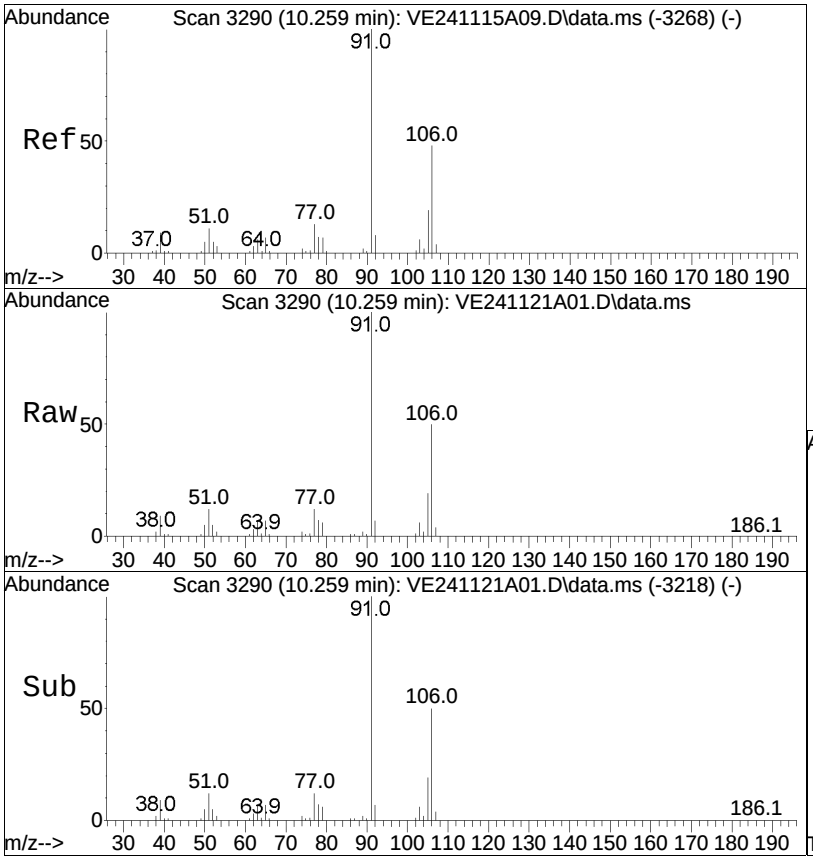


#81
p/m Xylene
Concen: 21.71 ug/L
RT: 9.712 min Scan# 3094
Delta R.T. -0.000 min
Lab File: VE241121A01.D
Acq: 21 Nov 2024 8:34 am

Tgt Ion:106 Resp: 188376

Ion	Ratio	Lower	Upper
106	100		
91	198.0	163.3	244.9

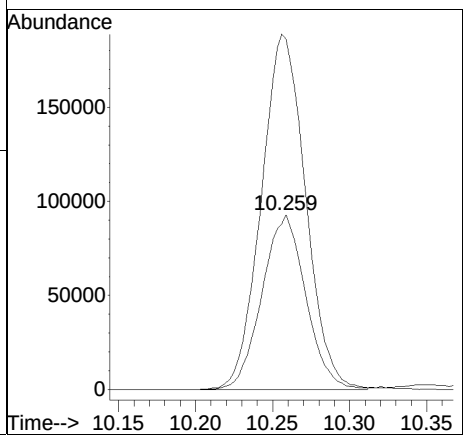




#82
o Xylene
Concen: 21.59 ug/L
RT: 10.259 min Scan# 3290
Delta R.T. -0.000 min
Lab File: VE241121A01.D
Acq: 21 Nov 2024 8:34 am

Tgt Ion:106 Resp: 182684

Ion	Ratio	Lower	Upper
106	100		
91	206.3	181.0	271.6



Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N01.D
Acq On : 21 Nov 2024 10:16 pm
Operator : VOA101:TMS
Sample : WG2001016-3,31,10,10
Misc : WG2001016,ICAL21487
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 23:45:32 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.938	96	220828	10.000 ug/L	0.00
Standard Area 1 = 220828			Recovery = 100.00%		
59) Chlorobenzene-d5	9.452	117	195447	10.000 ug/L	0.00
Standard Area 1 = 195447			Recovery = 100.00%		
79) 1,4-Dichlorobenzene-d4	12.176	152	120841	10.000 ug/L	0.00
Standard Area 1 = 120841			Recovery = 100.00%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.137	113	64122	11.071 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.71%		
43) 1,2-Dichloroethane-d4	5.656	65	58496	8.790 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.90%		
60) Toluene-d8	7.614	98	227206	9.694 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.94%		
83) 4-Bromofluorobenzene	10.960	95	93023	9.077 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.77%		
Target Compounds					Qvalue
41) Benzene	5.522	78	198934	9.287 ug/L	98
61) Toluene	7.672	92	137649	8.793 ug/L	99
74) Ethylbenzene	9.513	91	264807	8.488 ug/L	95
76) p/m Xylene	9.700	106	225422	17.673 ug/L	90
77) o Xylene	10.241	106	206641	17.005 ug/L	92

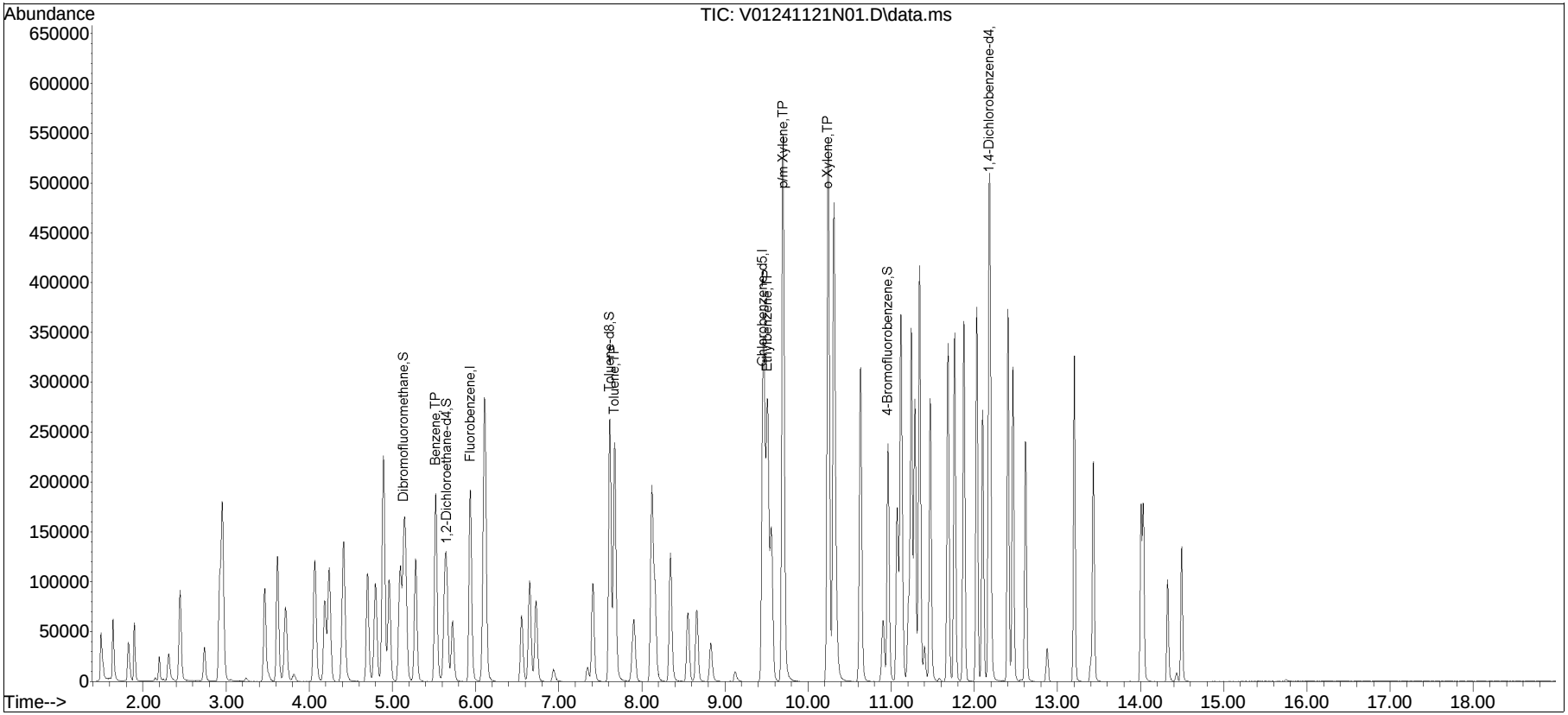
(#) = qualifier out of range (m) = manual integration (+) = signals summed

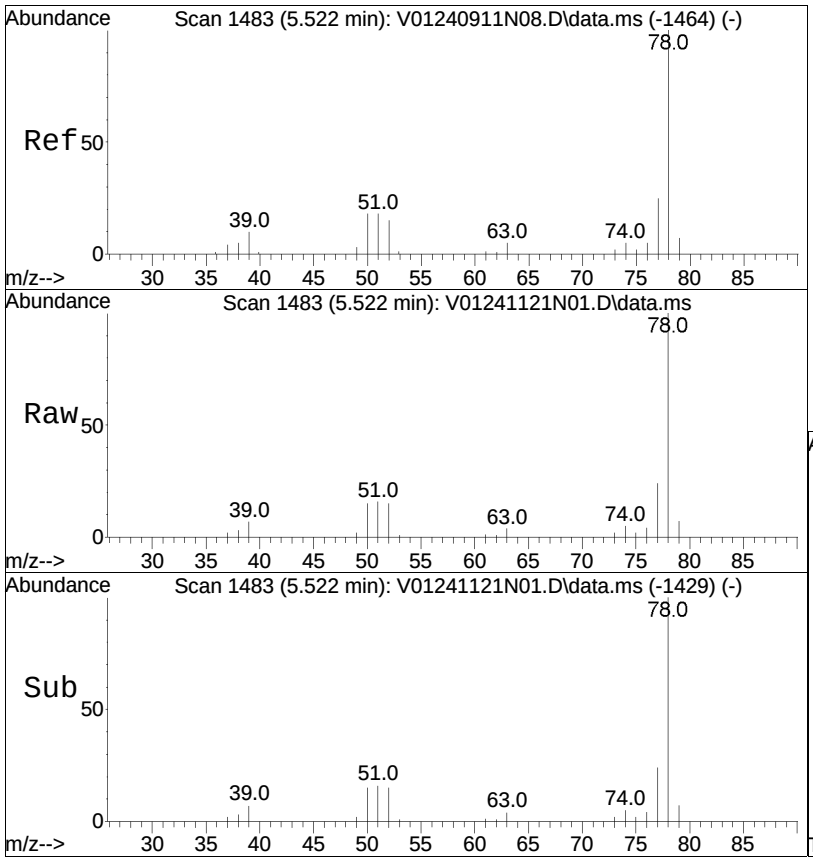
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N01.D
Acq On : 21 Nov 2024 10:16 pm
Operator : VOA101:TMS
Sample : WG2001016-3,31,10,10
Misc : WG2001016,ICAL21487
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 23:45:32 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•

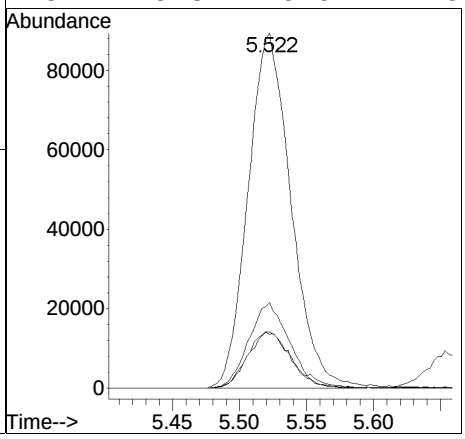


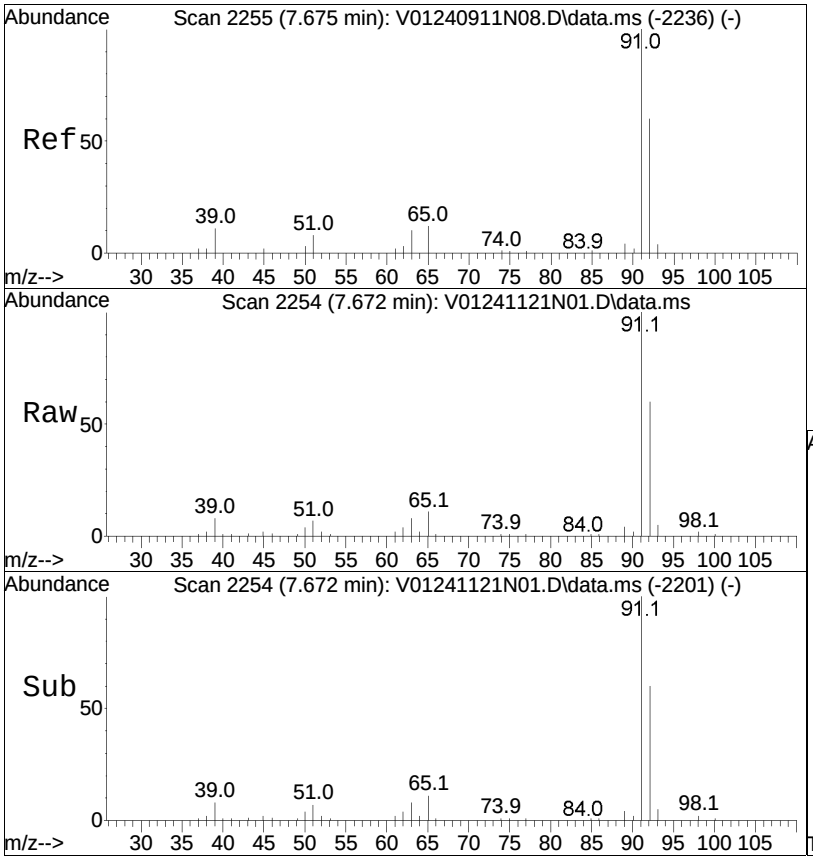


#41
Benzene
Concen: 9.29 ug/L
RT: 5.522 min Scan# 1483
Delta R.T. 0.000 min
Lab File: V01241121N01.D
Acq: 21 Nov 2024 10:16 pm

Tgt Ion: 78 Resp: 198934

Ion	Ratio	Lower	Upper
78	100		
77	23.4	15.7	32.5
51	16.4	11.6	24.2
52	15.8	10.9	22.5

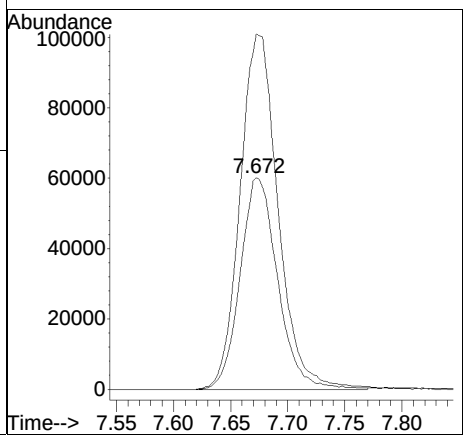


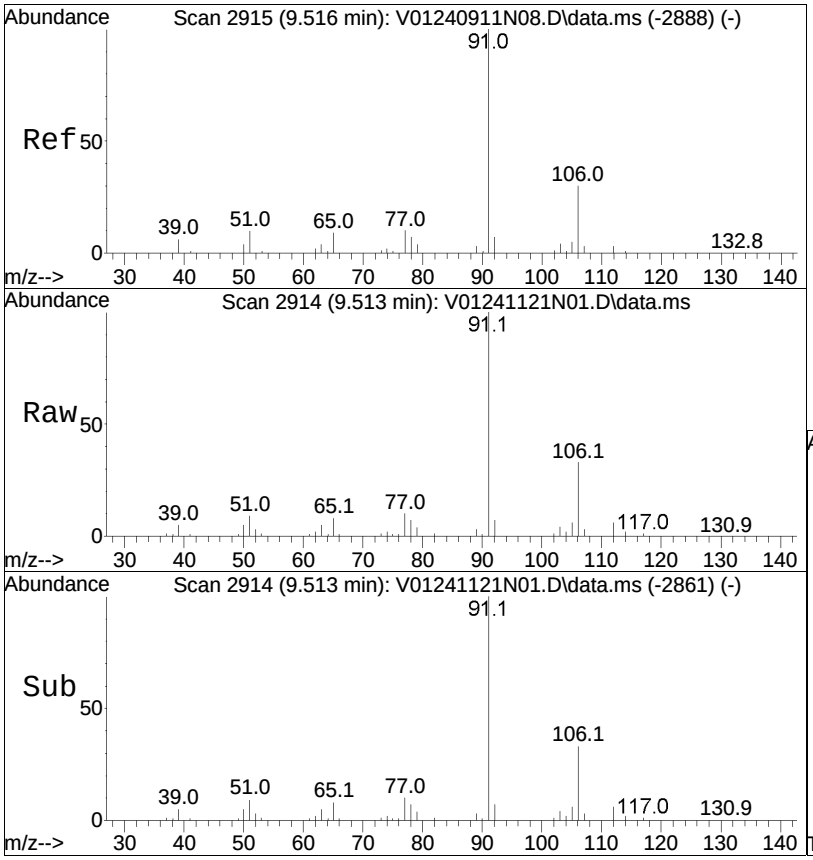


#61
Toluene
Concen: 8.79 ug/L
RT: 7.672 min Scan# 2254
Delta R.T. -0.003 min
Lab File: V01241121N01.D
Acq: 21 Nov 2024 10:16 pm

Tgt Ion: 92 Resp: 137649

Ion	Ratio	Lower	Upper
92	100		
91	170.7	137.5	206.3

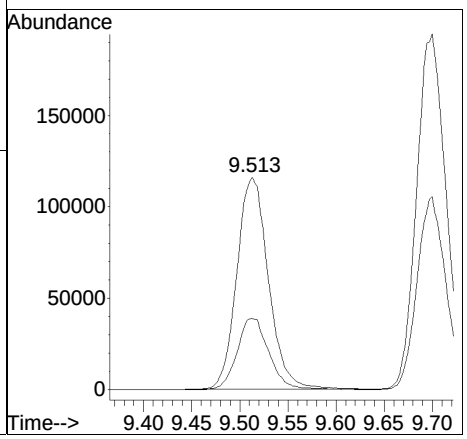


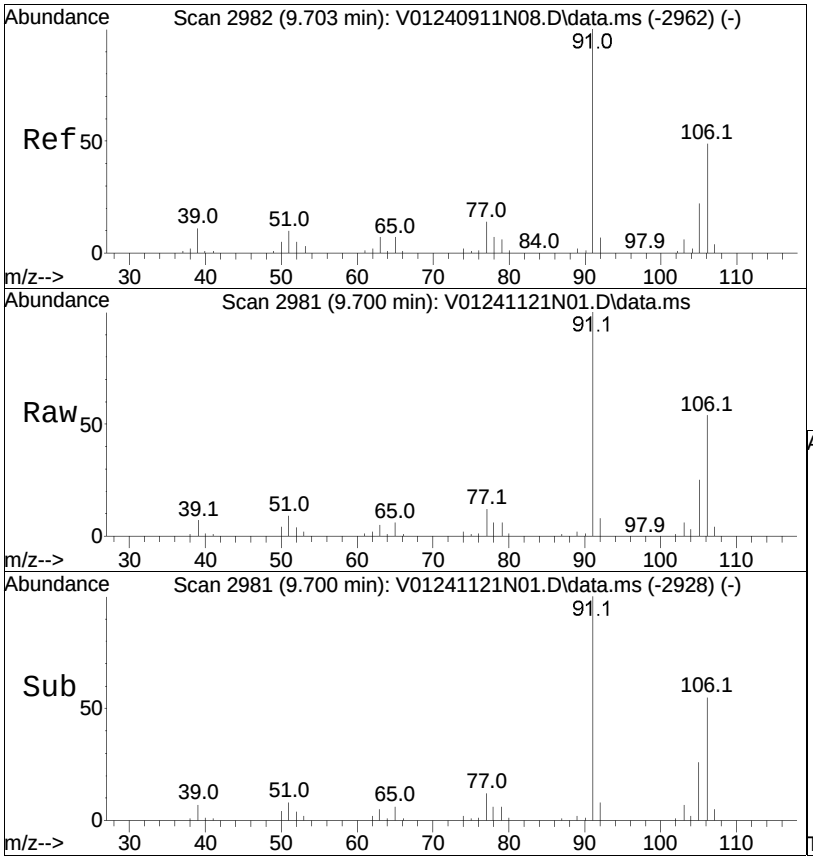


#74
Ethylbenzene
Concen: 8.49 ug/L
RT: 9.513 min Scan# 2914
Delta R.T. -0.003 min
Lab File: V01241121N01.D
Acq: 21 Nov 2024 10:16 pm

Tgt Ion: 91 Resp: 264807

Ion	Ratio	Lower	Upper
91	100		
106	33.5	24.7	37.1

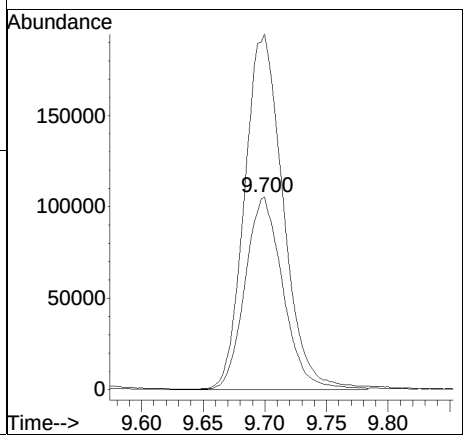


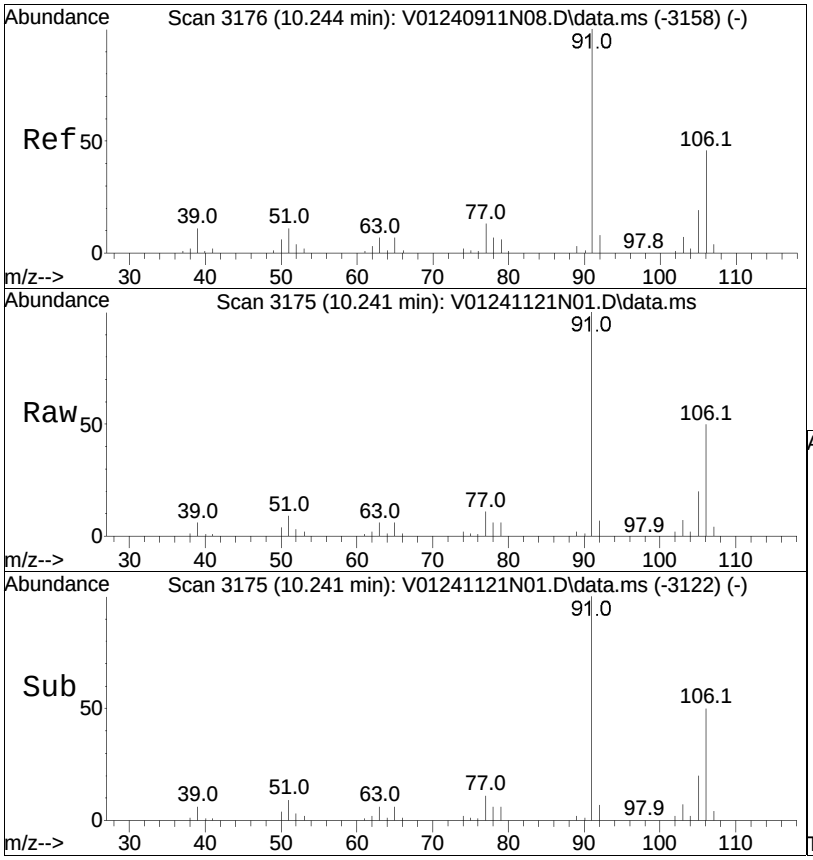


#76
p/m Xylene
Concen: 17.67 ug/L
RT: 9.700 min Scan# 2981
Delta R.T. -0.003 min
Lab File: V01241121N01.D
Acq: 21 Nov 2024 10:16 pm

Tgt Ion:106 Resp: 225422

Ion	Ratio	Lower	Upper
106	100		
91	188.2	162.9	244.3

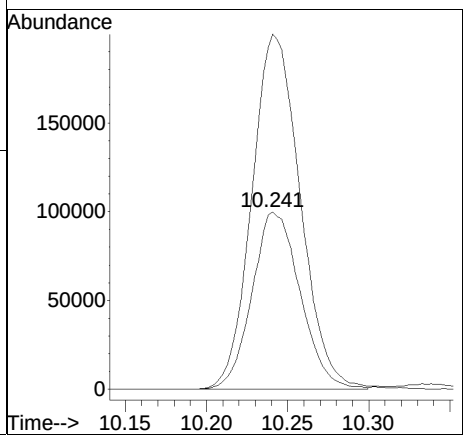




#77
o Xylene
Concen: 17.00 ug/L
RT: 10.241 min Scan# 3175
Delta R.T. -0.003 min
Lab File: V01241121N01.D
Acq: 21 Nov 2024 10:16 pm

Tgt Ion:106 Resp: 206641

Ion	Ratio	Lower	Upper
106	100		
91	201.1	171.2	256.8



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N01.D	Operator	: VOA101:TMS
Date Inj'd	: 11/21/2024 10:16 pm	Instrument	: VOA 101
Sample	: WG2001016-3,31,10,10	Quant Date	: 11/21/2024 11:44 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A03.D
Acq On : 21 Nov 2024 8:04 am
Operator : VOA101:PID
Sample : WG2000507-3,31,10,10
Misc : WG2000507,ICAL21487
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 09:47:44 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121A\V01241121A03.D
Sub List : 8260-Reg - Regular 8260

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.935	96	344315	10.000	ug/L	0.00
Standard Area 1 = 344315			Recovery = 100.00%			
59) Chlorobenzene-d5	9.454	117	289208	10.000	ug/L	0.00
Standard Area 1 = 289208			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.176	152	172798	10.000	ug/L	0.00
Standard Area 1 = 172798			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.140	113	93741	10.380	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.80%			
43) 1,2-Dichloroethane-d4	5.656	65	85808	8.270	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 82.70%			
60) Toluene-d8	7.614	98	342725	9.882	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.82%			
83) 4-Bromofluorobenzene	10.960	95	137557	9.386	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.86%			
Target Compounds						Qvalue
41) Benzene	5.522	78	338134	10.124	ug/L	99
61) Toluene	7.675	92	223877	9.665	ug/L	97
74) Ethylbenzene	9.513	91	428461	9.281	ug/L	96
76) p/m Xylene	9.697	106	355362	18.828	ug/L	91
77) o Xylene	10.241	106	324220	18.031	ug/L	94

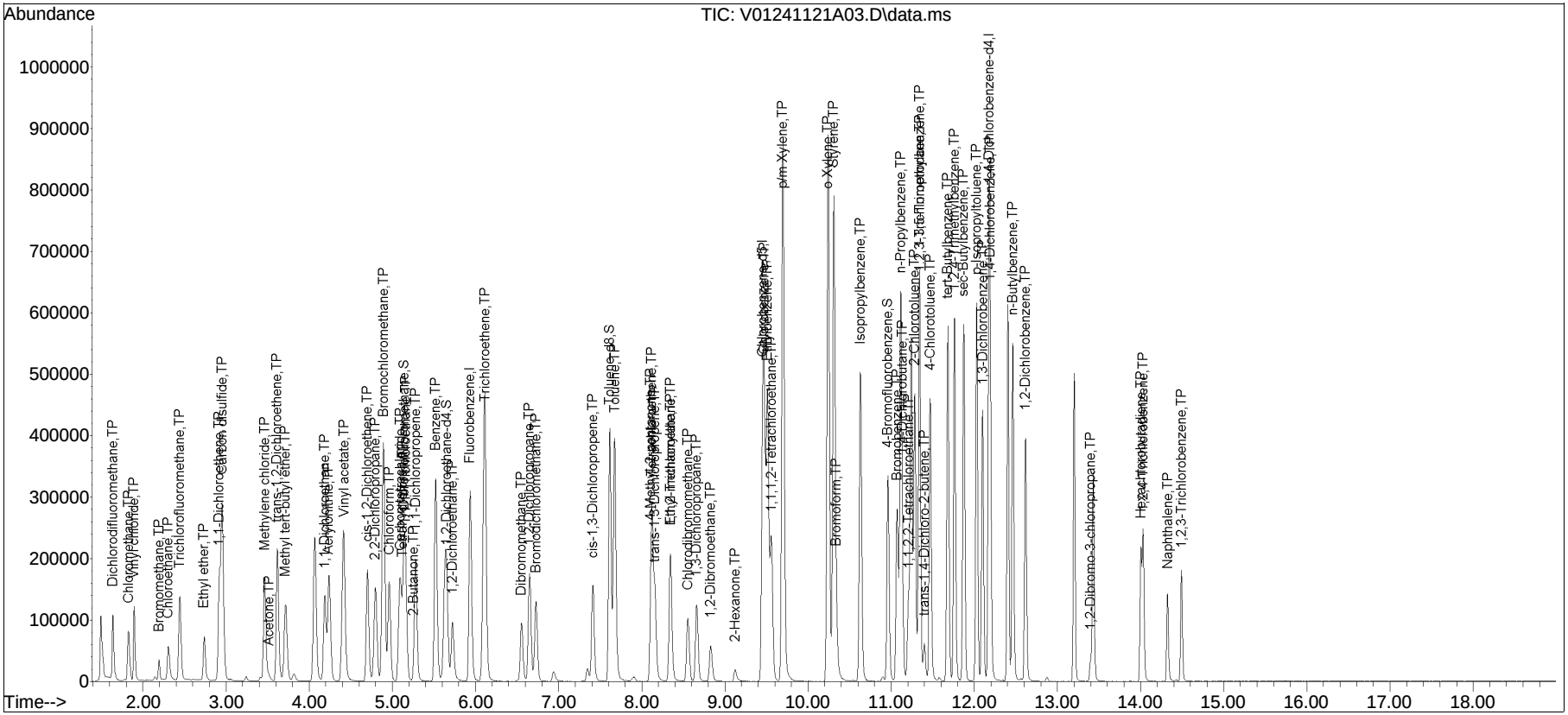
(#) = qualifier out of range (m) = manual integration (+) = signals summed

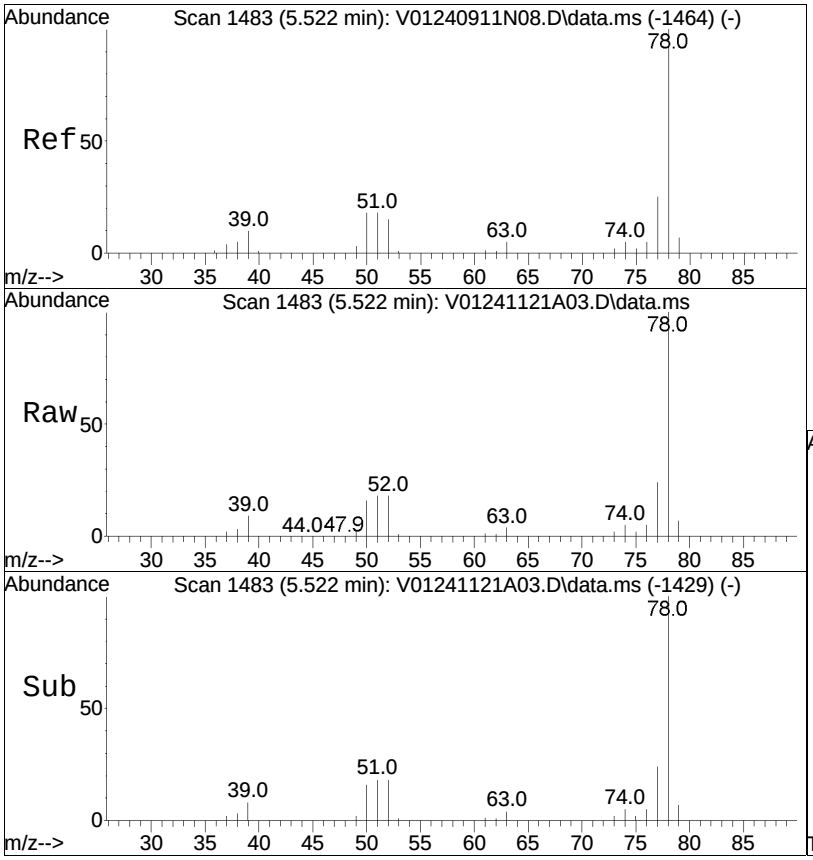
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A03.D
Acq On : 21 Nov 2024 8:04 am
Operator : VOA101:PID
Sample : WG2000507-3,31,10,10
Misc : WG2000507,ICAL21487
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 09:47:44 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-Reg - Regular 826021A\V01241121A03.D•

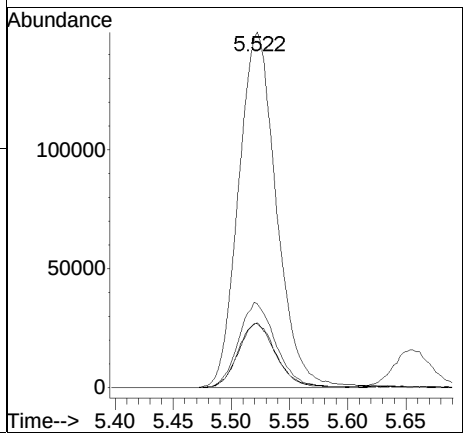


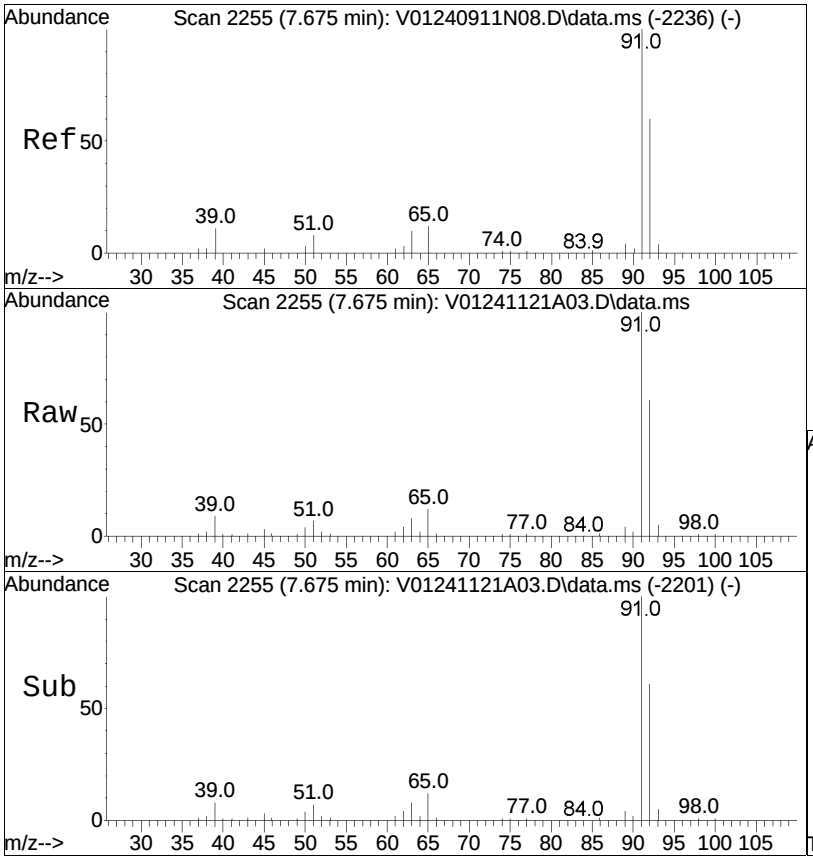


#41
Benzene
Concen: 10.12 ug/L
RT: 5.522 min Scan# 1483
Delta R.T. 0.000 min
Lab File: V01241121A03.D
Acq: 21 Nov 2024 8:04 am

Tgt Ion: 78 Resp: 338134

Ion	Ratio	Lower	Upper
78	100		
77	23.5	15.7	32.5
51	17.9	11.6	24.2
52	17.9	10.9	22.5

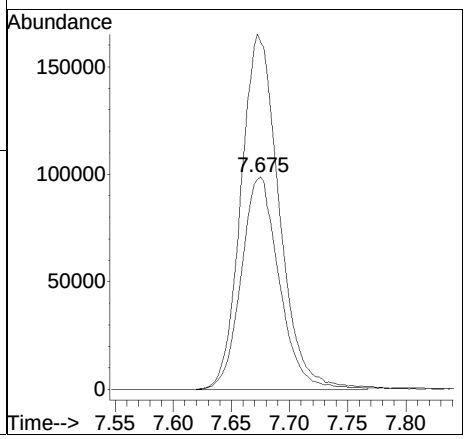


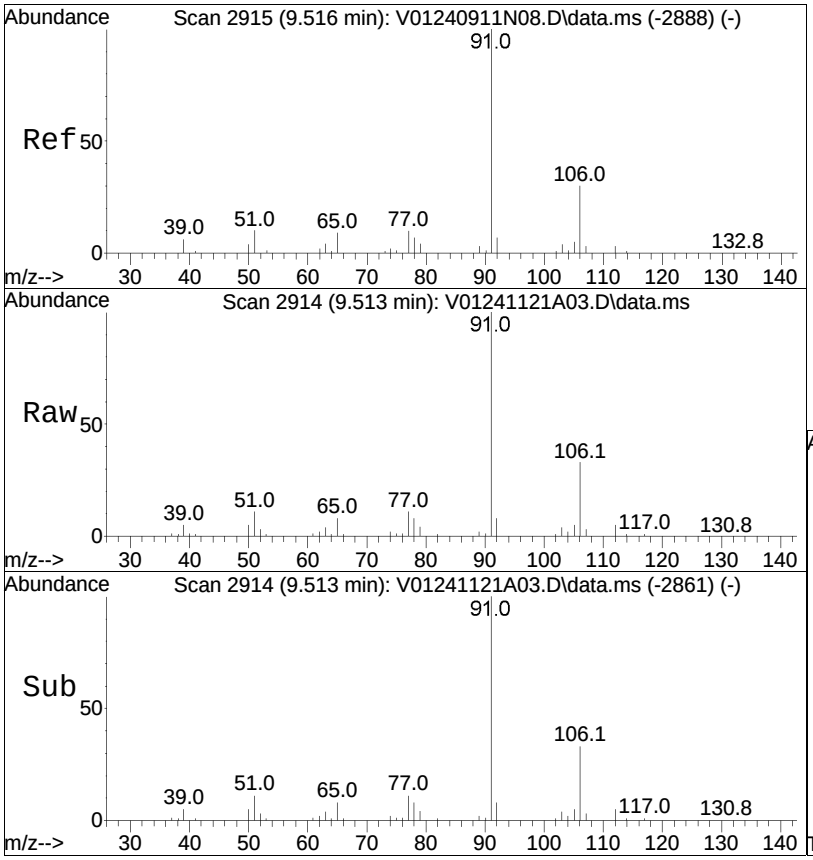


#61
Toluene
Concen: 9.66 ug/L
RT: 7.675 min Scan# 2255
Delta R.T. 0.000 min
Lab File: V01241121A03.D
Acq: 21 Nov 2024 8:04 am

Tgt Ion: 92 Resp: 223877

Ion	Ratio	Lower	Upper
92	100		
91	167.9	137.5	206.3

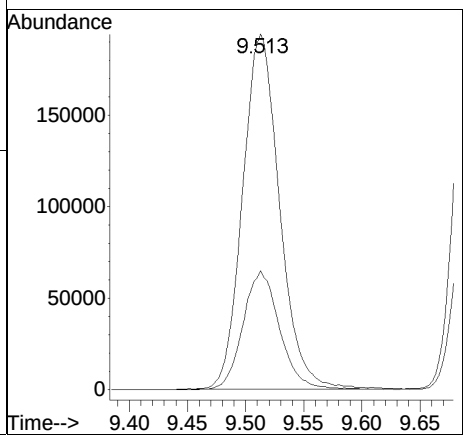


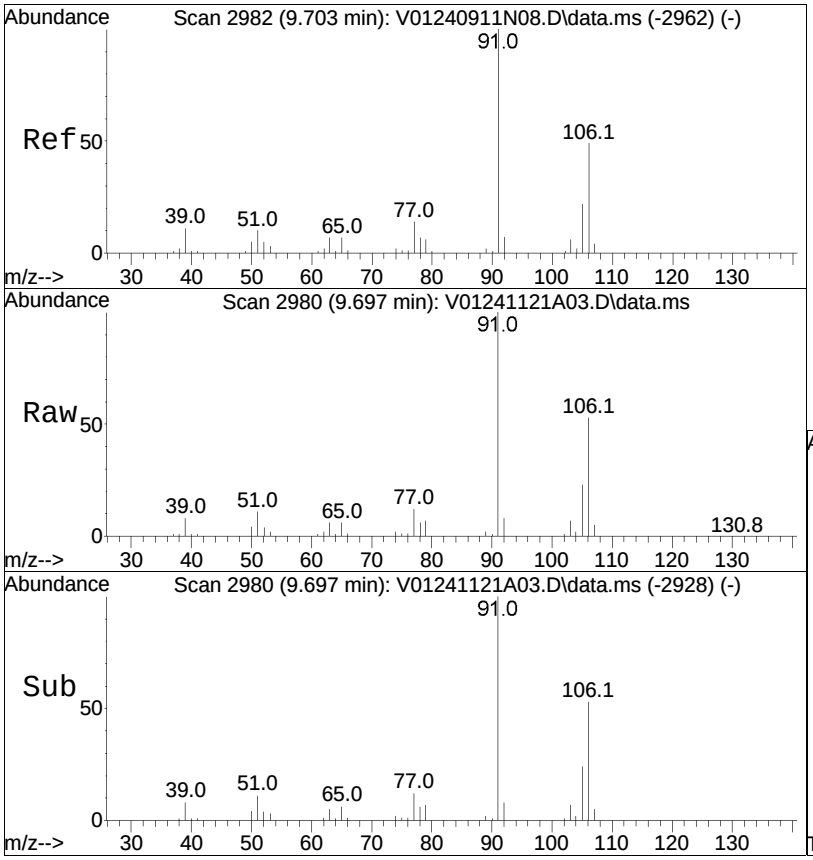


#74
Ethylbenzene
Concen: 9.28 ug/L
RT: 9.513 min Scan# 2914
Delta R.T. -0.003 min
Lab File: V01241121A03.D
Acq: 21 Nov 2024 8:04 am

Tgt Ion: 91 Resp: 428461

Ion	Ratio	Lower	Upper
91	100		
106	33.1	24.7	37.1

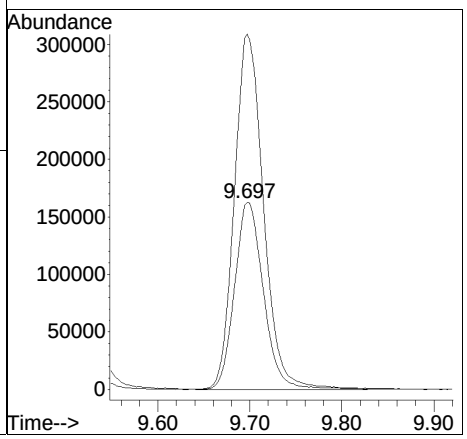


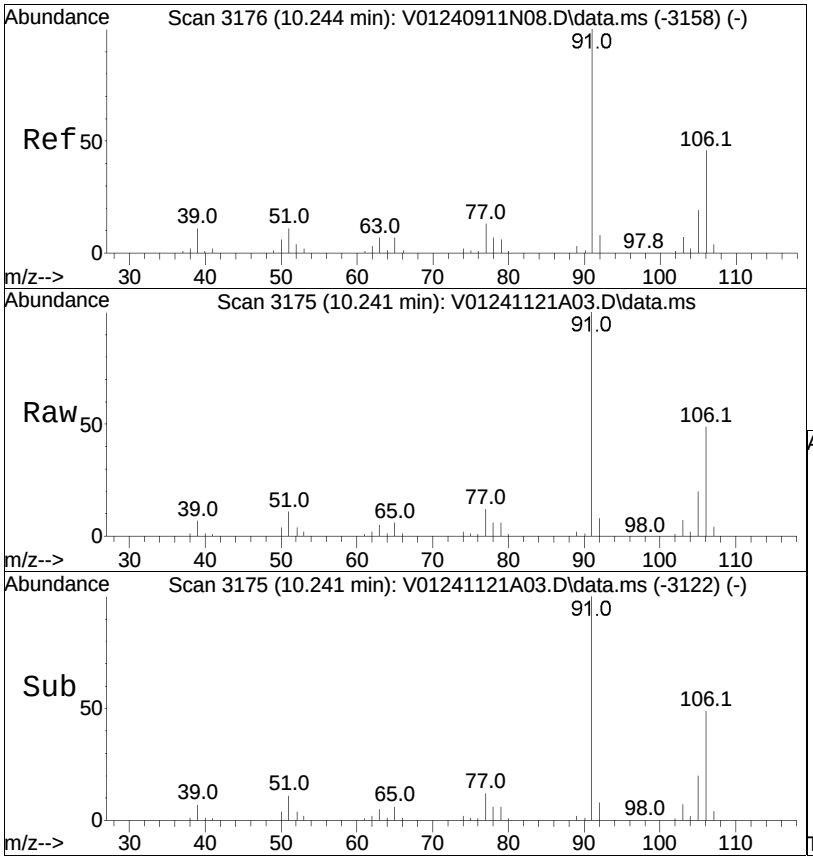


#76
p/m Xylene
Concen: 18.83 ug/L
RT: 9.697 min Scan# 2980
Delta R.T. -0.006 min
Lab File: V01241121A03.D
Acq: 21 Nov 2024 8:04 am

Tgt Ion:106 Resp: 355362

Ion	Ratio	Lower	Upper
106	100		
91	190.3	162.9	244.3

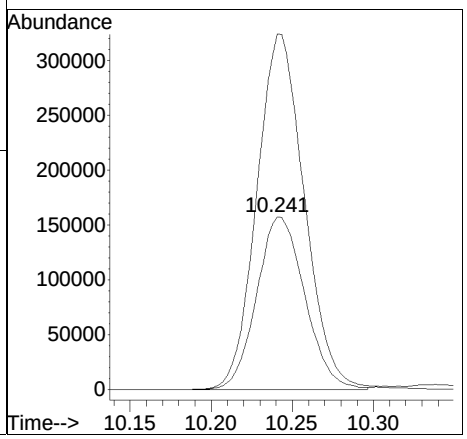




#77
o Xylene
Concen: 18.03 ug/L
RT: 10.241 min Scan# 3175
Delta R.T. -0.003 min
Lab File: V01241121A03.D
Acq: 21 Nov 2024 8:04 am

Tgt Ion:106 Resp: 324220

Ion	Ratio	Lower	Upper
106	100		
91	203.9	171.2	256.8



Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A02.D
Acq On : 21 Nov 2024 8:58 am
Operator : ELAINE:PID
Sample : WG2000602-4,31,10,10
Misc : WG2000602,ICAL21711
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 21 09:20:53 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\241121A\VE241121A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.939	96	211070	10.000	ug/L	0.00
Standard Area 1 = 210887			Recovery = 100.09%			
63) Chlorobenzene-d5	9.472	117	153739	10.000	ug/L	0.00
Standard Area 1 = 150086			Recovery = 102.43%			
84) 1,4-Dichlorobenzene-d4	12.185	152	78233	10.000	ug/L	0.00
Standard Area 1 = 75901			Recovery = 103.07%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.130	113	48592	10.040	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.40%			
47) 1,2-Dichloroethane-d4	5.657	65	60085	10.493	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.93%			
64) Toluene-d8	7.629	98	212365	10.129	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.29%			
88) 4-Bromofluorobenzene	10.972	95	73114	10.172	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.72%			
Target Compounds						Qvalue
45) Benzene	5.523	78	171975	9.161	ug/L	95
65) Toluene	7.685	92	108924	9.016	ug/L	95
79) Ethylbenzene	9.525	91	207822	9.002	ug/L	100
81) p/m Xylene	9.715	106	159009	17.892	ug/L	95
82) o Xylene	10.259	106	153437	17.706	ug/L	88

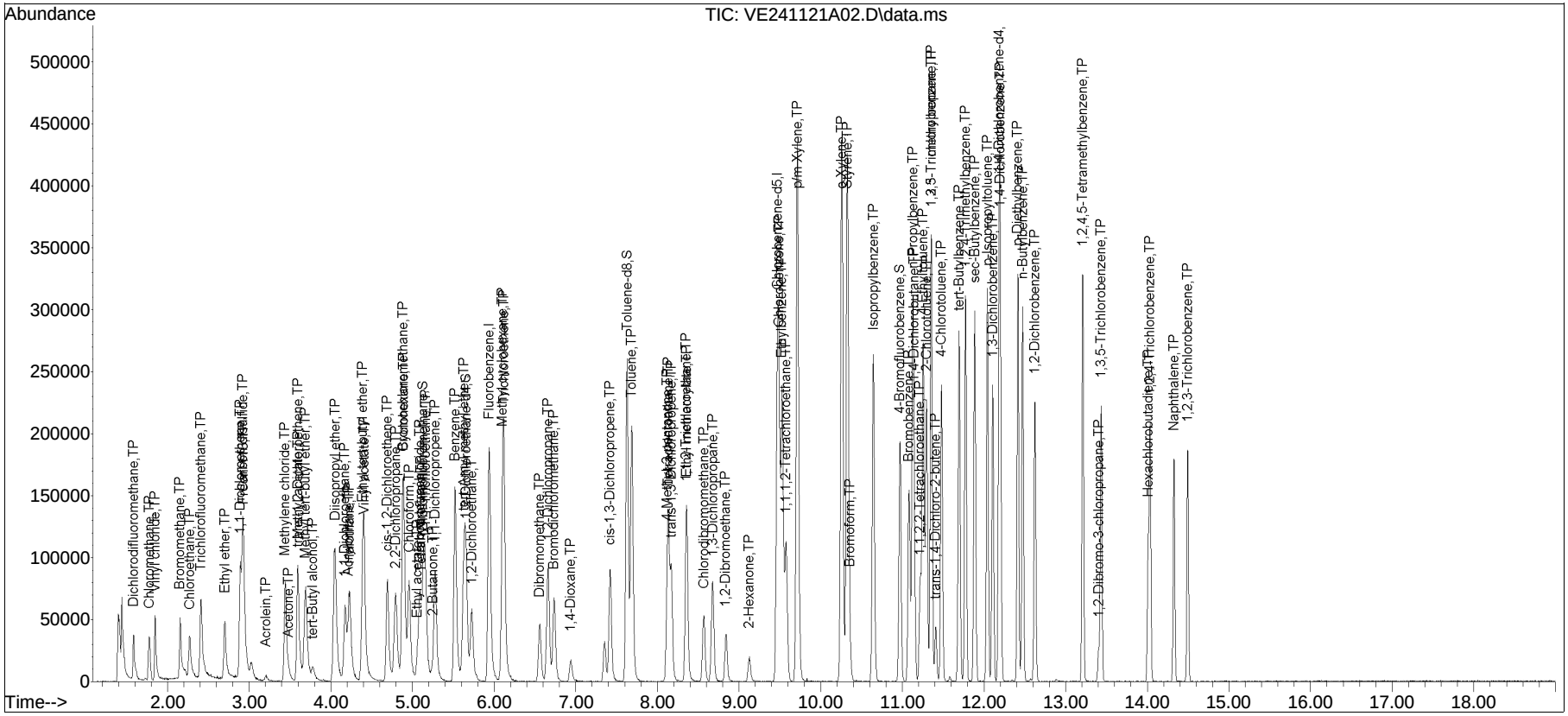
(#) = qualifier out of range (m) = manual integration (+) = signals summed

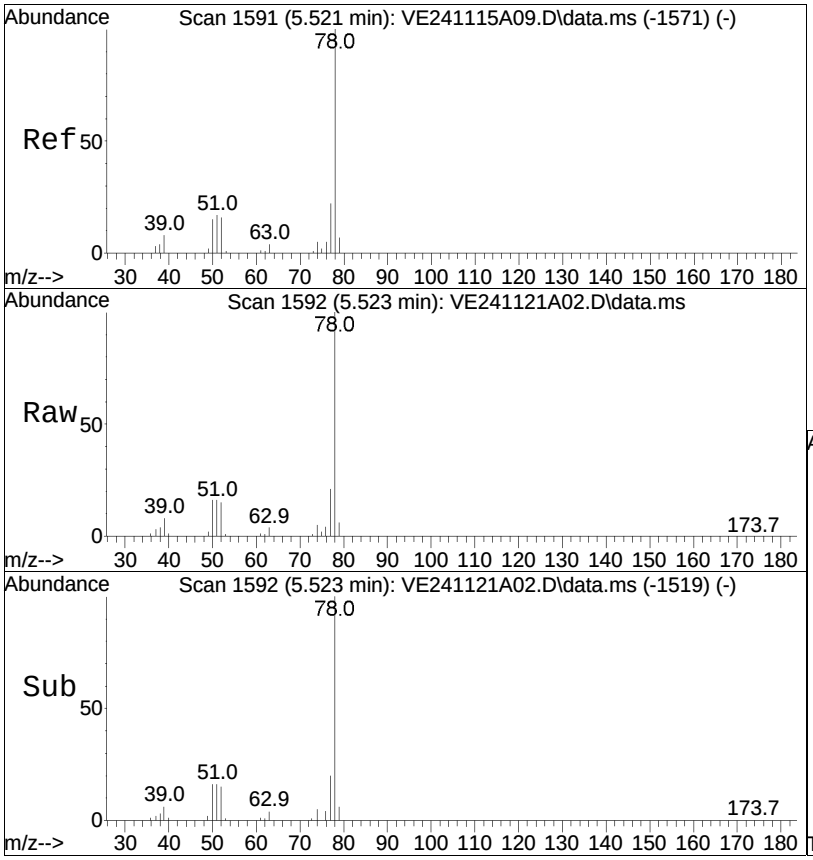
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\241121A\
Data File : VE241121A02.D
Acq On : 21 Nov 2024 8:58 am
Operator : ELAINE:PID
Sample : WG2000602-4,31,10,10
Misc : WG2000602,ICAL21711
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 21 09:20:53 2024
Quant Method : K:\Elaine\2024\241121A\Elaine_241115A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Nov 15 11:49:20 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

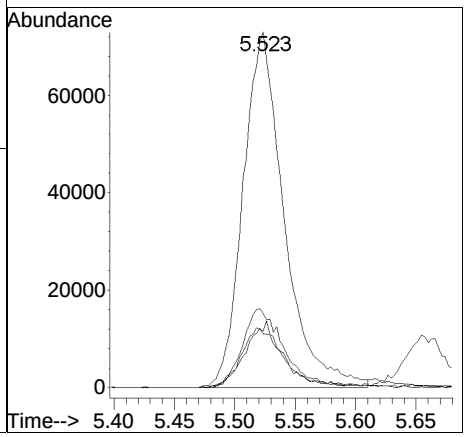


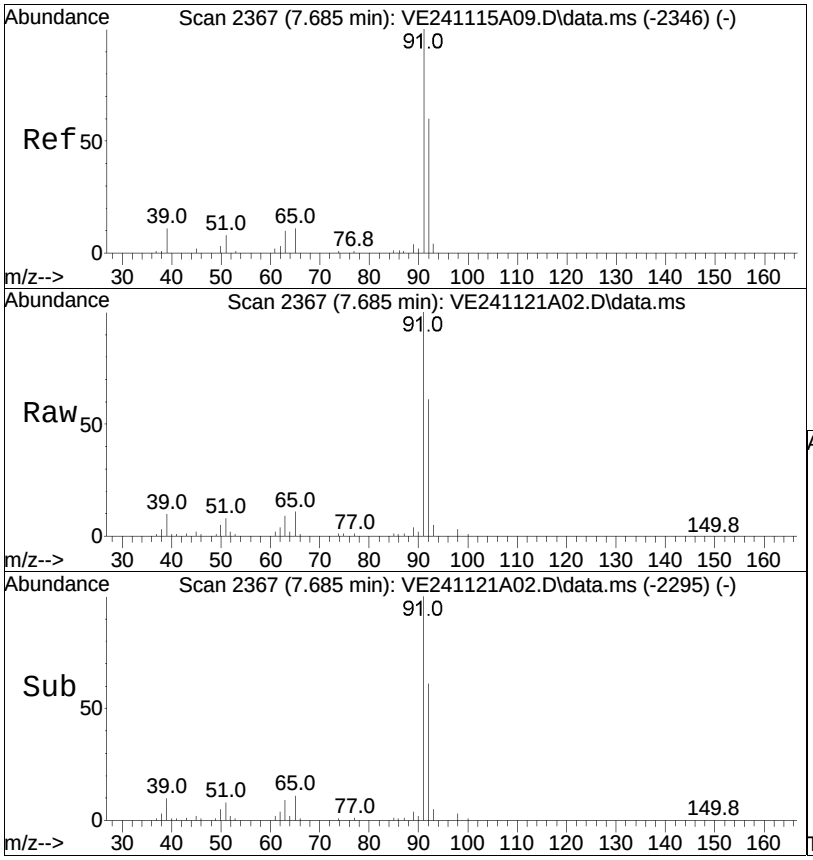


#45
Benzene
Concen: 9.16 ug/L
RT: 5.523 min Scan# 1592
Delta R.T. 0.003 min
Lab File: VE241121A02.D
Acq: 21 Nov 2024 8:58 am

Tgt Ion: 78 Resp: 171975

Ion	Ratio	Lower	Upper
78	100		
77	22.1	12.8	26.6
51	17.7	13.5	27.9
52	16.8	12.0	25.0

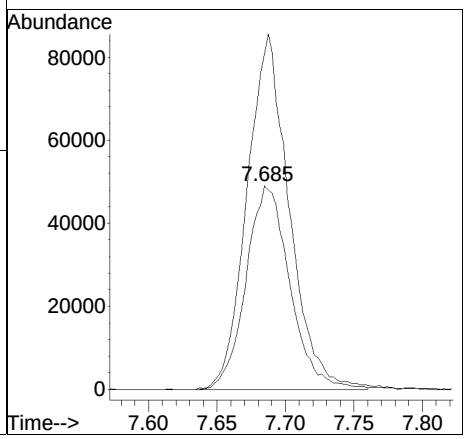


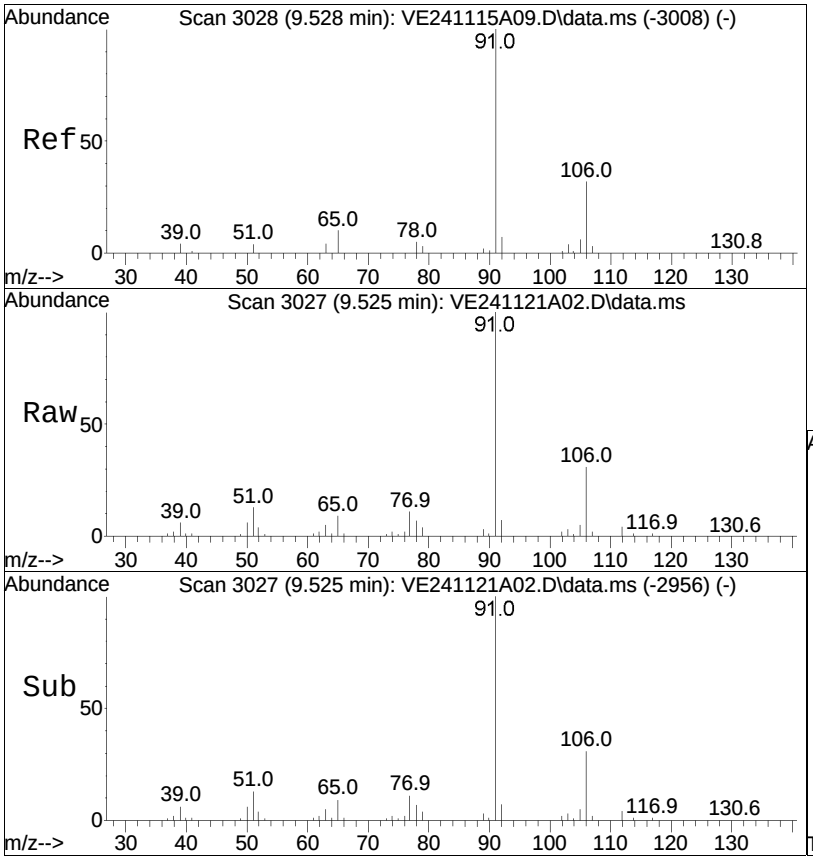


#65
Toluene
Concen: 9.02 ug/L
RT: 7.685 min Scan# 2367
Delta R.T. -0.000 min
Lab File: VE241121A02.D
Acq: 21 Nov 2024 8:58 am

Tgt Ion: 92 Resp: 108924

Ion	Ratio	Lower	Upper
92	100		
91	168.0	129.1	193.7

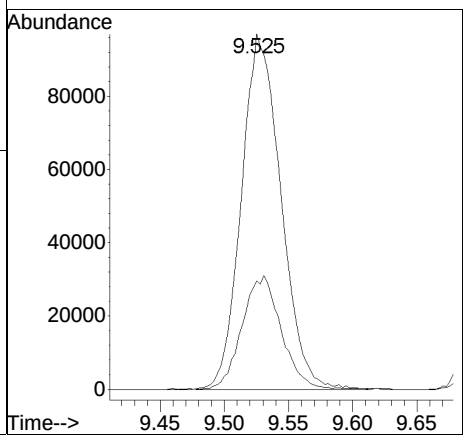


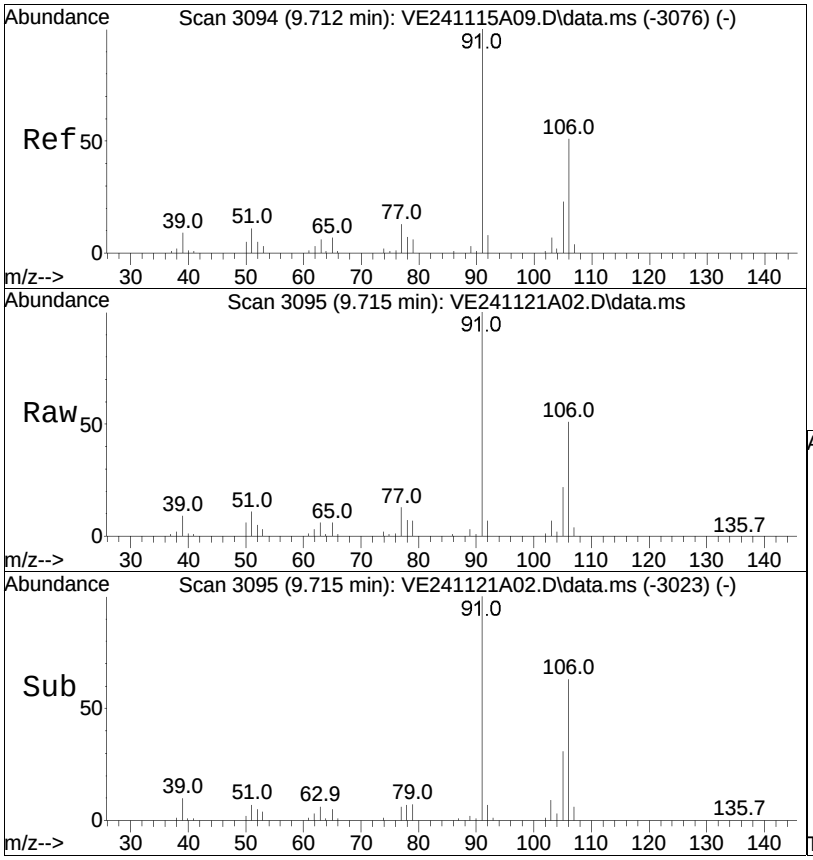


#79
Ethylbenzene
Concen: 9.00 ug/L
RT: 9.525 min Scan# 3027
Delta R.T. -0.003 min
Lab File: VE241121A02.D
Acq: 21 Nov 2024 8:58 am

Tgt Ion: 91 Resp: 207822

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.3	37.9

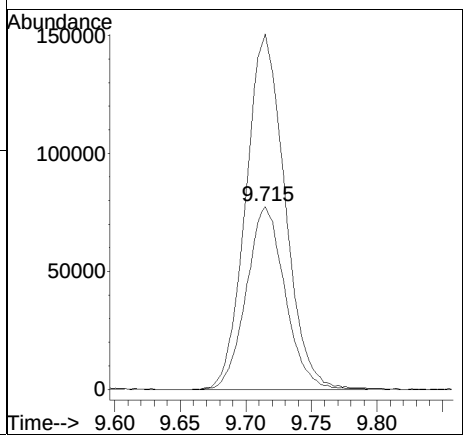


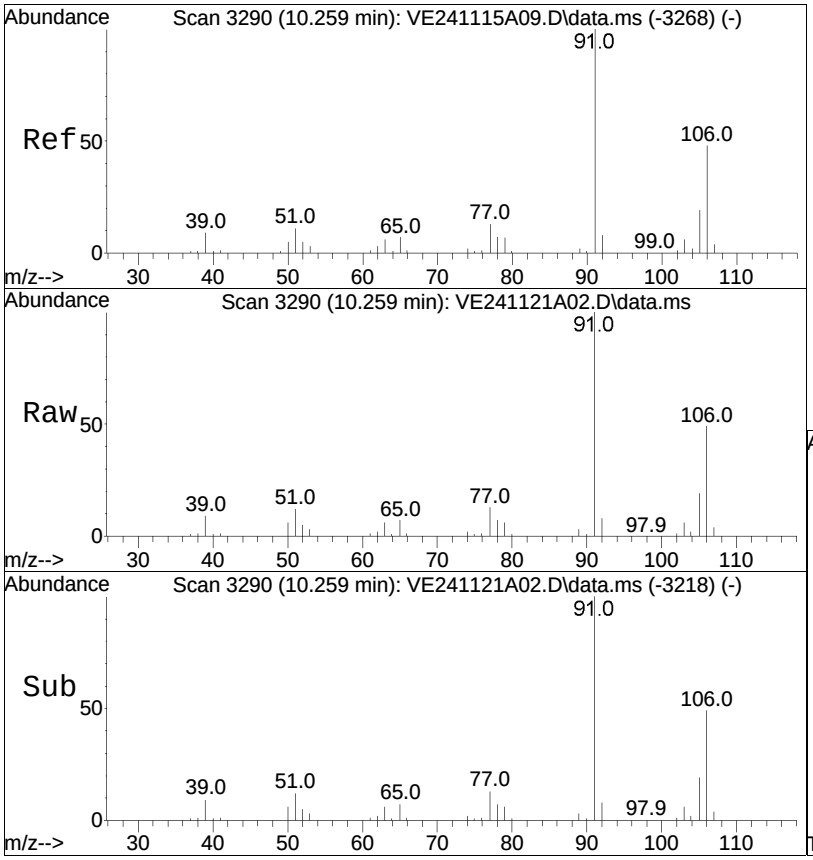


#81
p/m Xylene
Concen: 17.89 ug/L
RT: 9.715 min Scan# 3095
Delta R.T. 0.003 min
Lab File: VE241121A02.D
Acq: 21 Nov 2024 8:58 am

Tgt Ion:106 Resp: 159009

Ion	Ratio	Lower	Upper
106	100		
91	196.9	163.3	244.9

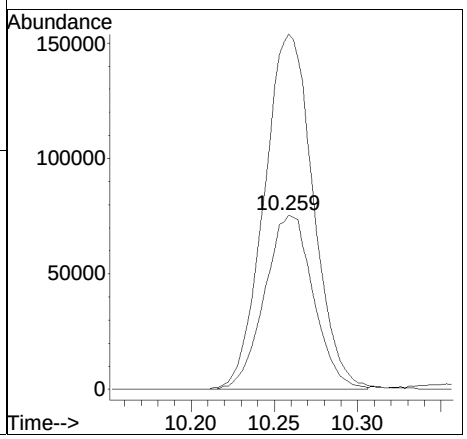




#82
o Xylene
Concen: 17.71 ug/L
RT: 10.259 min Scan# 3290
Delta R.T. -0.000 min
Lab File: VE241121A02.D
Acq: 21 Nov 2024 8:58 am

Tgt Ion:106 Resp: 153437

Ion	Ratio	Lower	Upper
106	100		
91	206.0	181.0	271.6



Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N02.D
Acq On : 21 Nov 2024 10:42 pm
Operator : VOA101:TMS
Sample : WG2001016-4,31,10,10
Misc : WG2001016,ICAL21487
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 21 23:48:11 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	228325	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 103.39%			
59) Chlorobenzene-d5	9.454	117	198545	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 101.59%			
79) 1,4-Dichlorobenzene-d4	12.173	152	123895	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 102.53%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.138	113	65772	10.983	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.83%			
43) 1,2-Dichloroethane-d4	5.656	65	60320	8.767	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.67%			
60) Toluene-d8	7.614	98	231678	9.730	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.30%			
83) 4-Bromofluorobenzene	10.960	95	92145	8.769	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.69%			
Target Compounds						Qvalue
41) Benzene	5.522	78	202892	9.161	ug/L	98
61) Toluene	7.675	92	139730	8.787	ug/L	98
74) Ethylbenzene	9.513	91	266183	8.399	ug/L	95
76) p/m Xylene	9.700	106	227262	17.539	ug/L	90
77) o Xylene	10.241	106	207551	16.813	ug/L	91

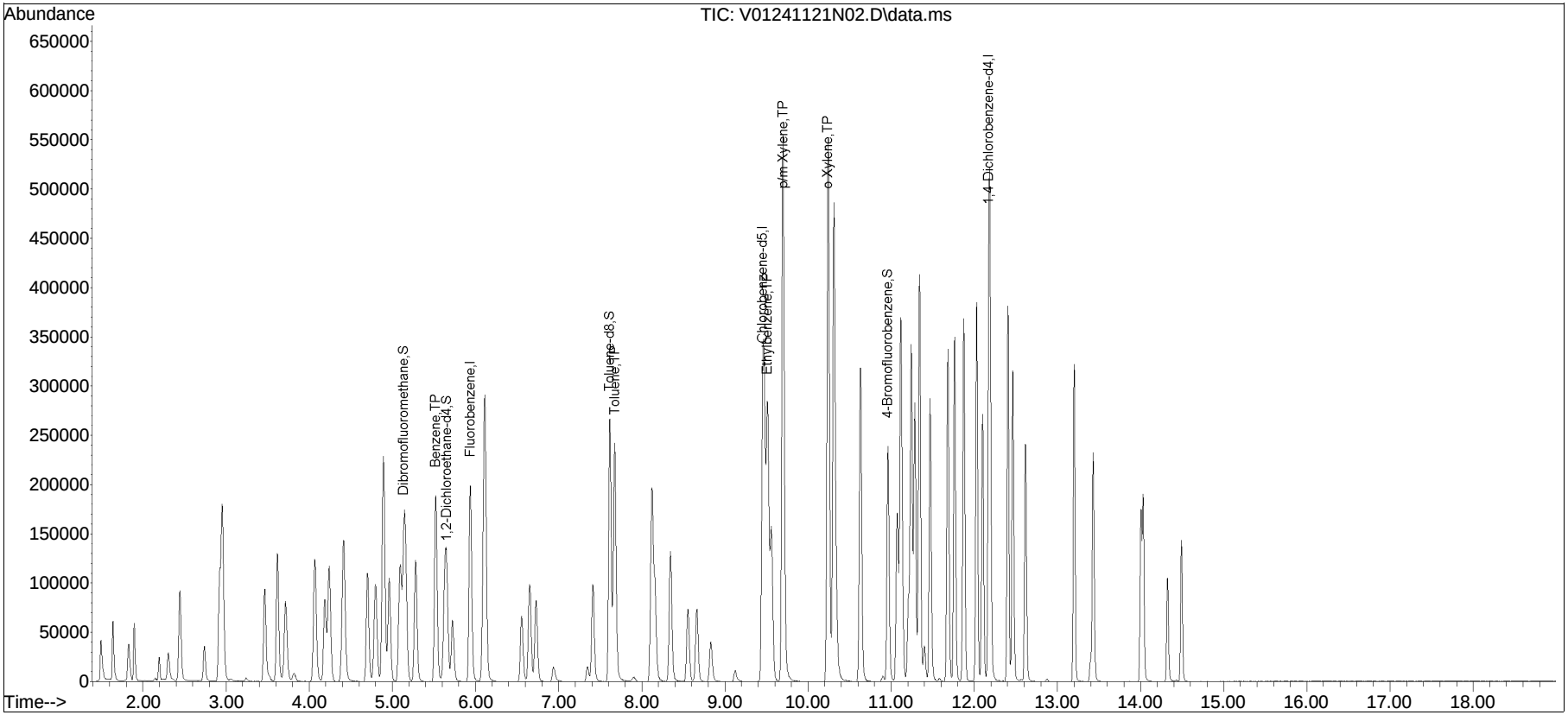
(#) = qualifier out of range (m) = manual integration (+) = signals summed

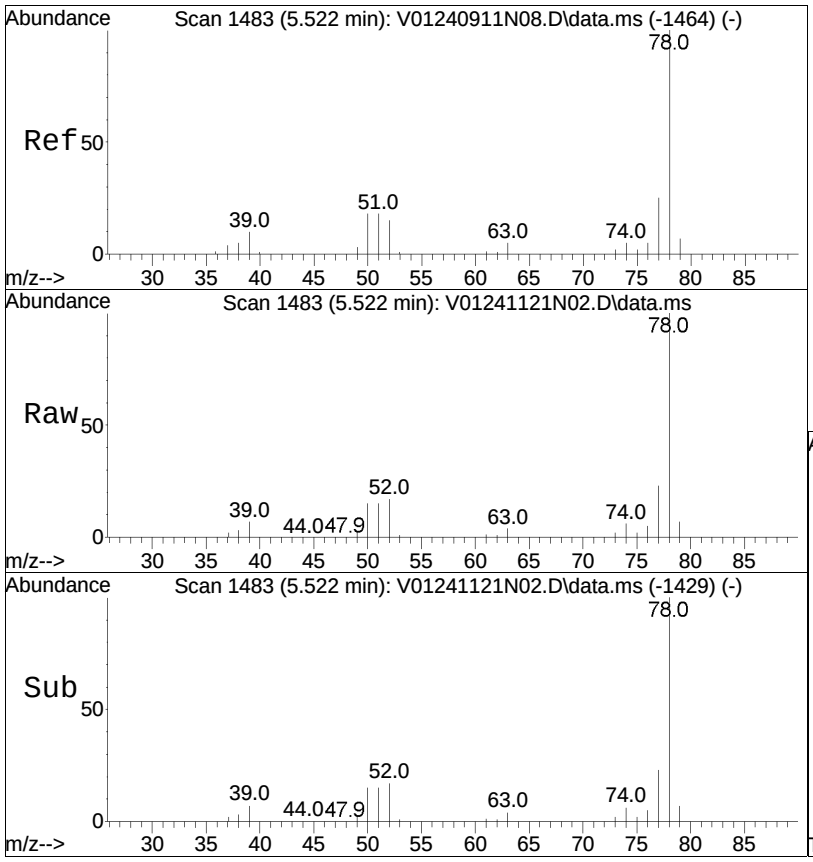
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N02.D
Acq On : 21 Nov 2024 10:42 pm
Operator : VOA101:TMS
Sample : WG2001016-4,31,10,10
Misc : WG2001016,ICAL21487
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 21 23:48:11 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•

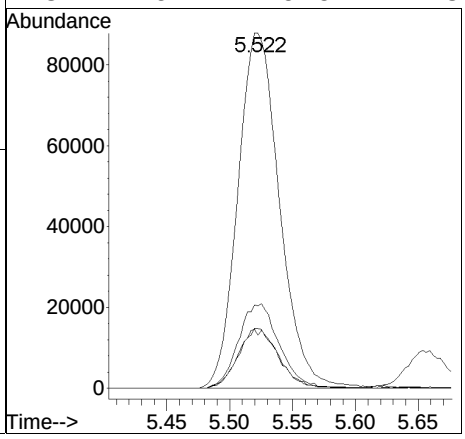


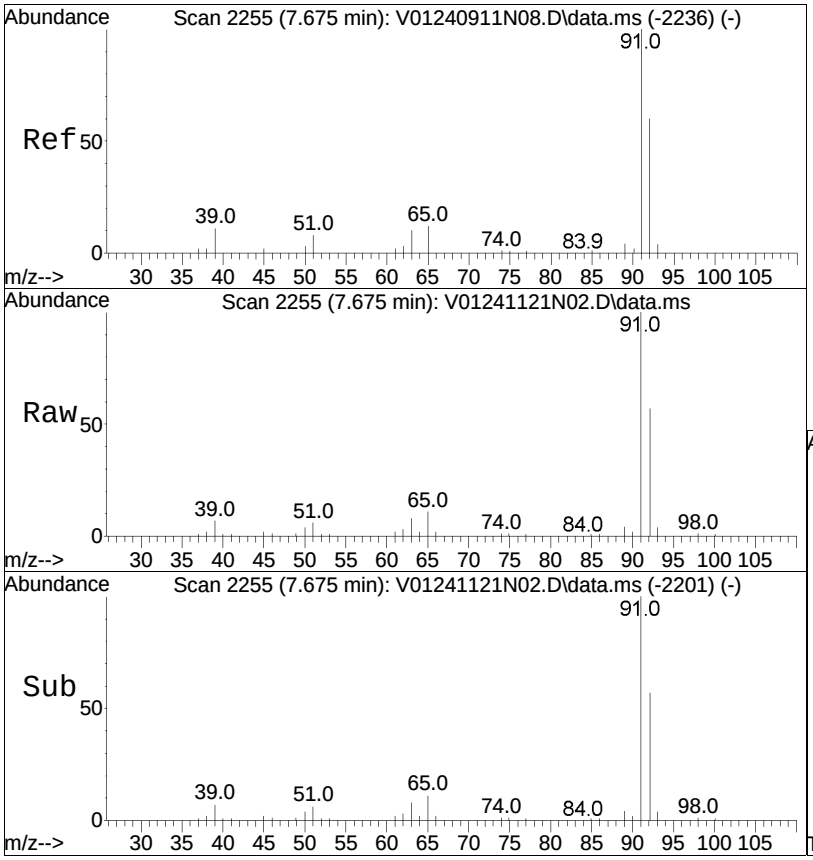


#41
Benzene
Concen: 9.16 ug/L
RT: 5.522 min Scan# 1483
Delta R.T. 0.000 min
Lab File: V01241121N02.D
Acq: 21 Nov 2024 10:42 pm

Tgt Ion: 78 Resp: 202892

Ion	Ratio	Lower	Upper
78	100		
77	23.5	15.7	32.5
51	16.4	11.6	24.2
52	16.2	10.9	22.5

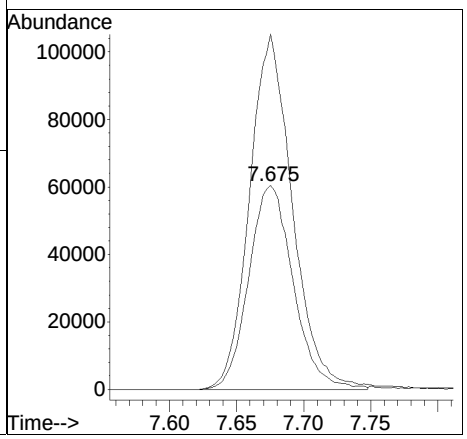


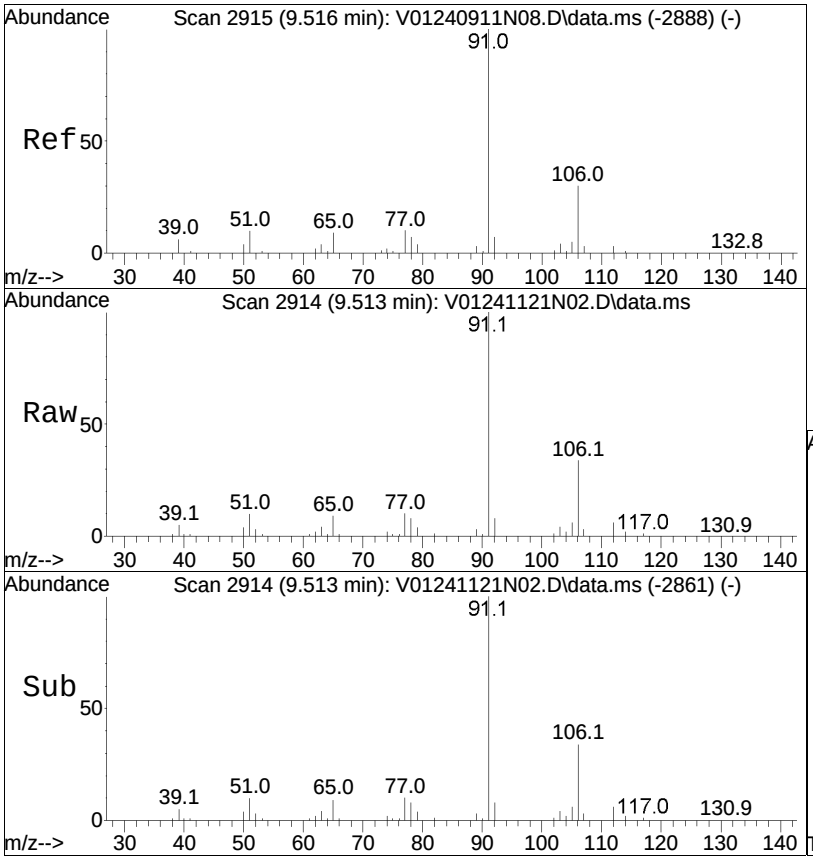


#61
Toluene
Concen: 8.79 ug/L
RT: 7.675 min Scan# 2255
Delta R.T. 0.000 min
Lab File: V01241121N02.D
Acq: 21 Nov 2024 10:42 pm

Tgt Ion: 92 Resp: 139730

Ion	Ratio	Lower	Upper
92	100		
91	169.0	137.5	206.3

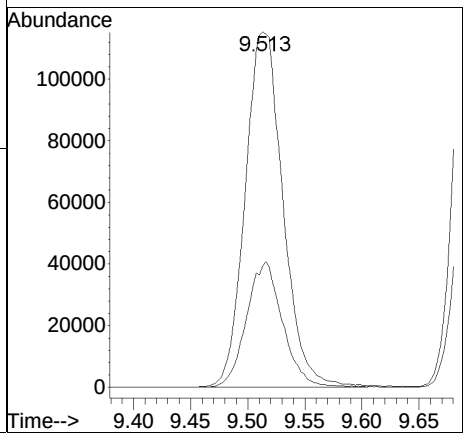


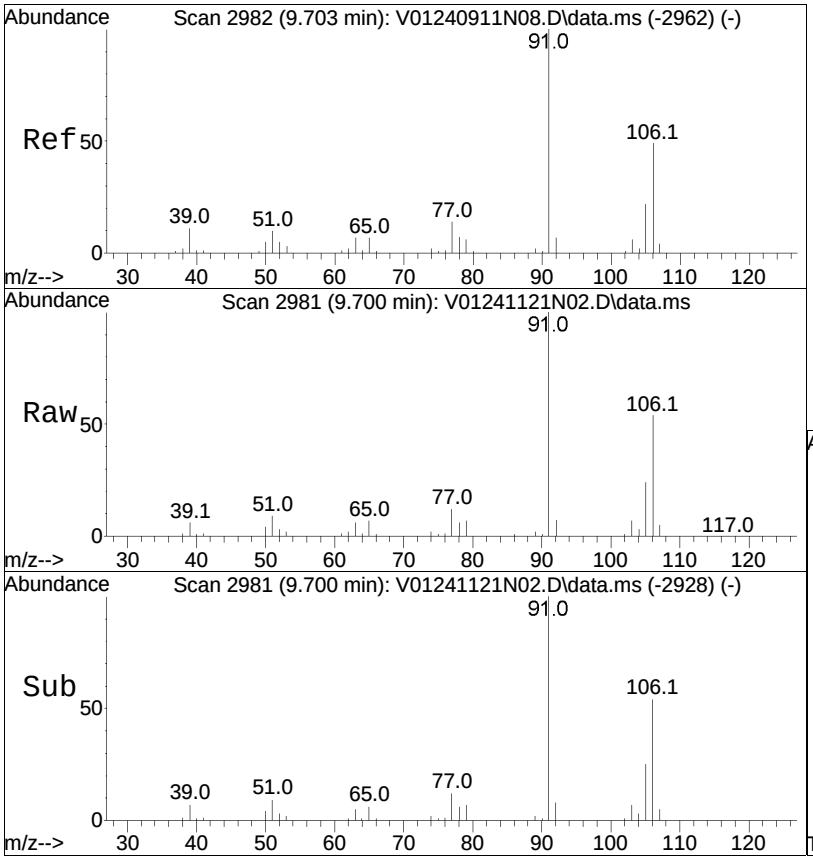


#74
Ethylbenzene
Concen: 8.40 ug/L
RT: 9.513 min Scan# 2914
Delta R.T. -0.003 min
Lab File: V01241121N02.D
Acq: 21 Nov 2024 10:42 pm

Tgt Ion: 91 Resp: 266183

Ion	Ratio	Lower	Upper
91	100		
106	33.7	24.7	37.1

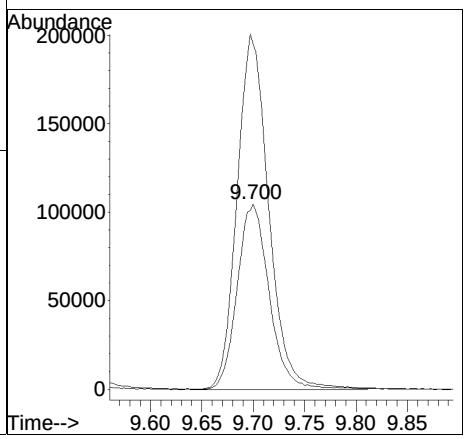


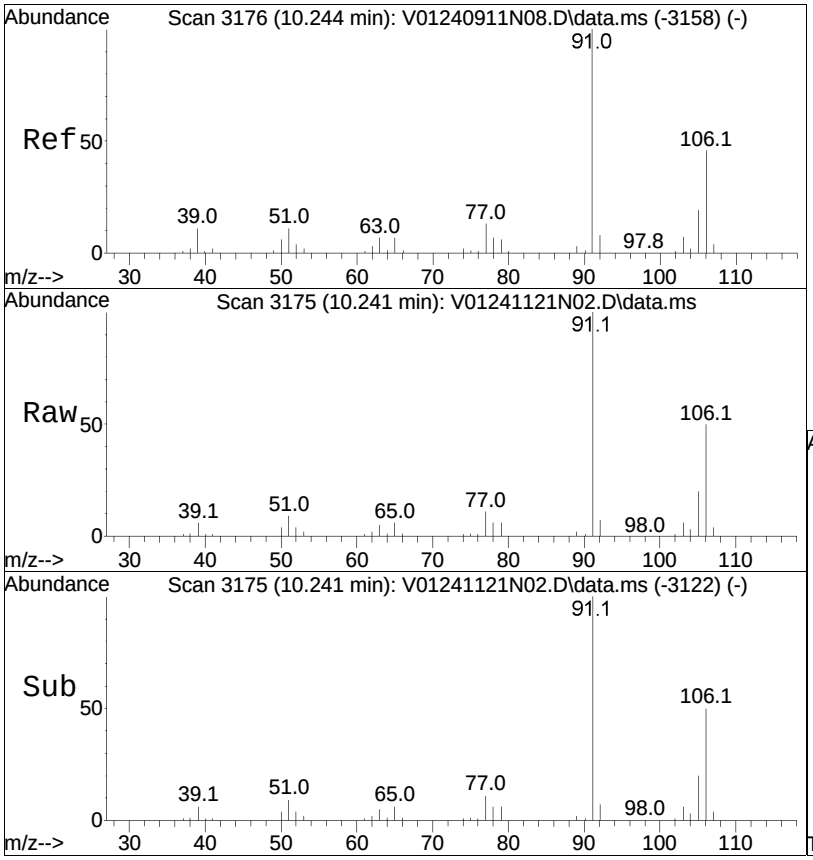


#76
p/m Xylene
Concen: 17.54 ug/L
RT: 9.700 min Scan# 2981
Delta R.T. -0.003 min
Lab File: V01241121N02.D
Acq: 21 Nov 2024 10:42 pm

Tgt Ion:106 Resp: 227262

Ion	Ratio	Lower	Upper
106	100		
91	187.8	162.9	244.3

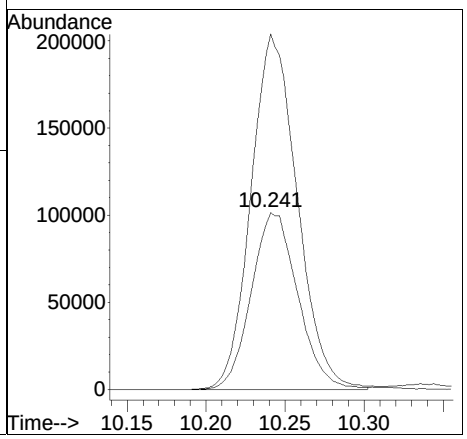




#77
o Xylene
Concen: 16.81 ug/L
RT: 10.241 min Scan# 3175
Delta R.T. -0.003 min
Lab File: V01241121N02.D
Acq: 21 Nov 2024 10:42 pm

Tgt Ion:106 Resp: 207551

Ion	Ratio	Lower	Upper
106	100		
91	200.3	171.2	256.8



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N02.D	Operator	: VOA101:TMS
Date Inj'd	: 11/21/2024 10:42 pm	Instrument	: VOA 101
Sample	: WG2001016-4,31,10,10	Quant Date	: 11/21/2024 11:48 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A04.D
Acq On : 21 Nov 2024 8:31 am
Operator : VOA101:PID
Sample : WG2000507-4,31,10,10
Misc : WG2000507,ICAL21487
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 09:44:59 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121A\V01241121A03.D
Sub List : 8260-Reg - Regular 8260

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.935	96	384568	10.000	ug/L	0.00
Standard Area 1 = 344315			Recovery = 111.69%			
59) Chlorobenzene-d5	9.454	117	309119	10.000	ug/L	0.00
Standard Area 1 = 289208			Recovery = 106.88%			
79) 1,4-Dichlorobenzene-d4	12.173	152	163165	10.000	ug/L	0.00
Standard Area 1 = 172798			Recovery = 94.43%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.137	113	104763	10.386	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.86%			
43) 1,2-Dichloroethane-d4	5.656	65	102778	8.869	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.69%			
60) Toluene-d8	7.616	98	380238	10.257	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.57%			
83) 4-Bromofluorobenzene	10.960	95	144280	10.426	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.26%			
Target Compounds						Qvalue
41) Benzene	5.519	78	385826	10.343	ug/L	97
61) Toluene	7.672	92	247110	9.981	ug/L	100
74) Ethylbenzene	9.510	91	470944	9.544	ug/L	98
76) p/m Xylene	9.700	106	369737	18.328	ug/L	94
77) o Xylene	10.241	106	344063	17.902	ug/L	97

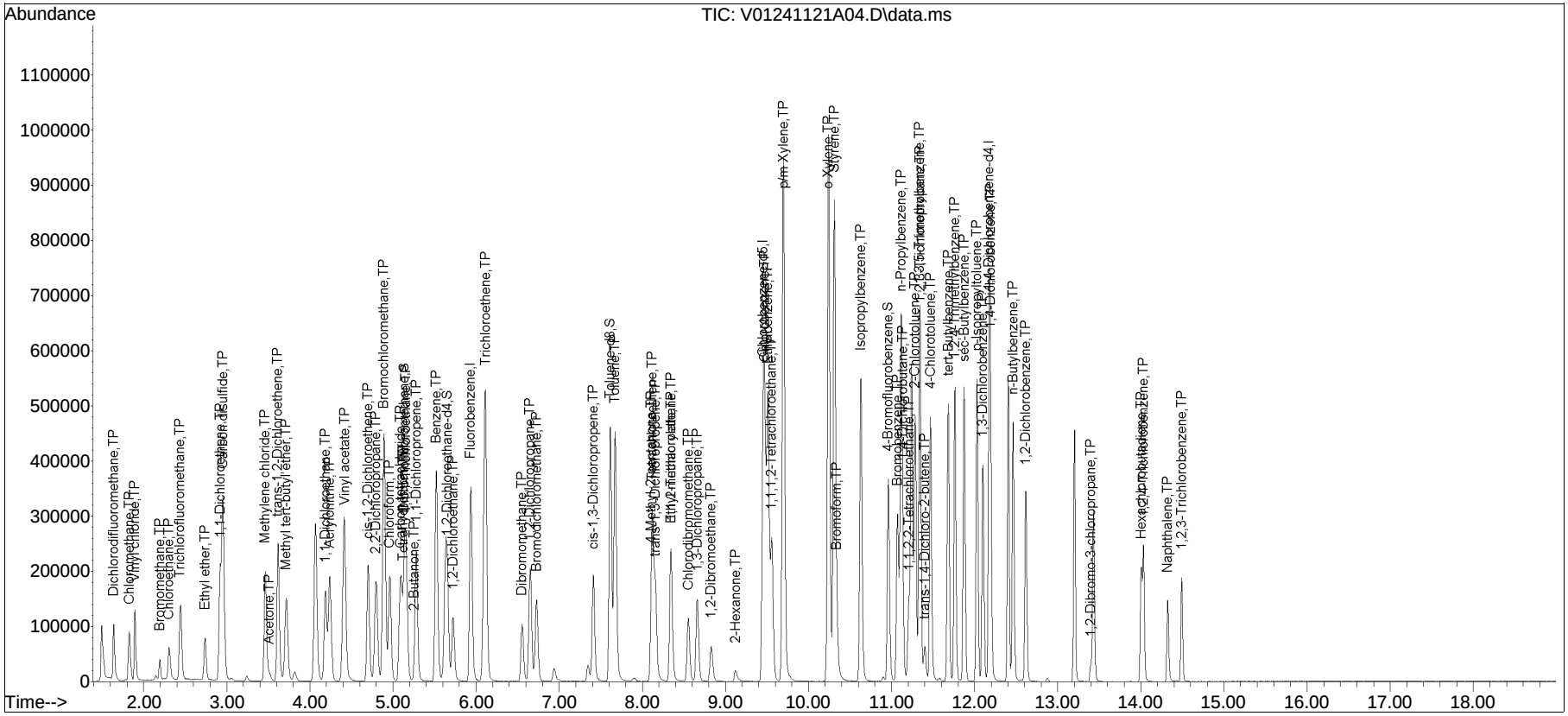
(#) = qualifier out of range (m) = manual integration (+) = signals summed

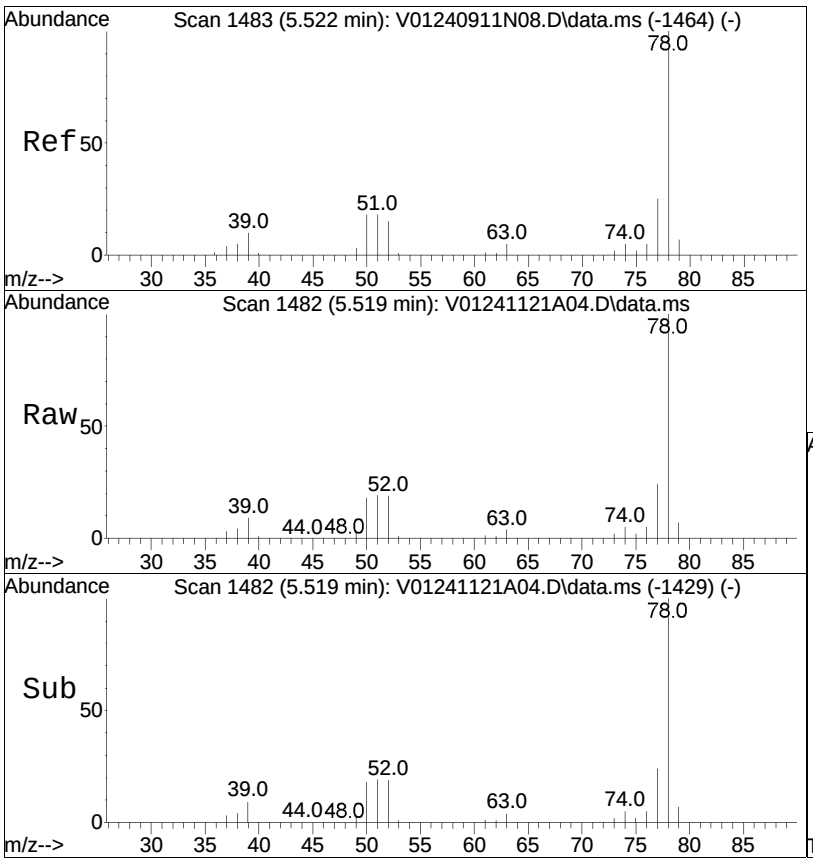
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121A\
Data File : V01241121A04.D
Acq On : 21 Nov 2024 8:31 am
Operator : VOA101:PID
Sample : WG2000507-4,31,10,10
Misc : WG2000507,ICAL21487
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 09:44:59 2024
Quant Method : K:\VOA101\2024\241121A\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-Reg - Regular 826021A\V01241121A03.D•

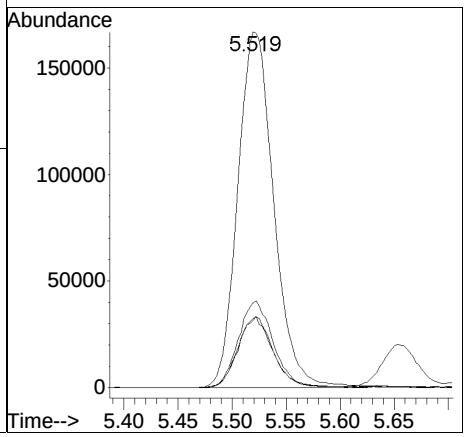


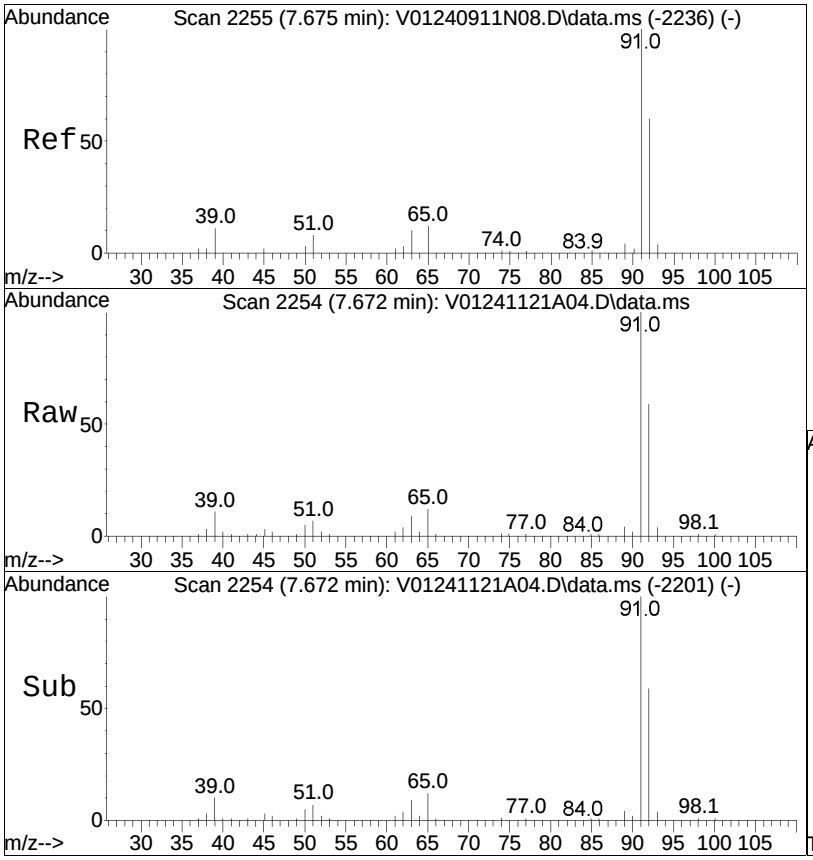


#41
Benzene
Concen: 10.34 ug/L
RT: 5.519 min Scan# 1482
Delta R.T. -0.003 min
Lab File: V01241121A04.D
Acq: 21 Nov 2024 8:31 am

Tgt Ion: 78 Resp: 385826

Ion	Ratio	Lower	Upper
78	100		
77	23.7	15.7	32.5
51	19.4	11.6	24.2
52	18.9	10.9	22.5

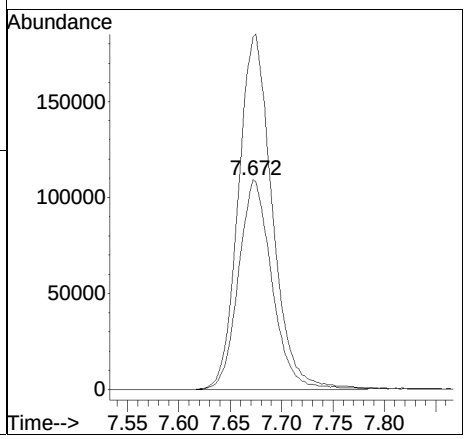


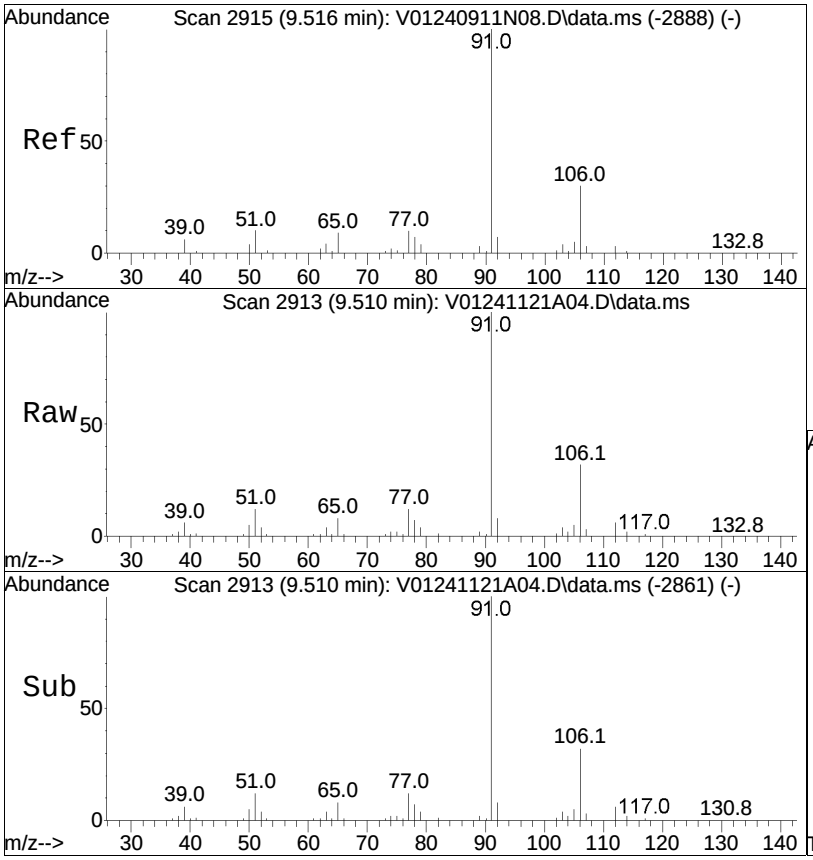


#61
Toluene
Concen: 9.98 ug/L
RT: 7.672 min Scan# 2254
Delta R.T. -0.003 min
Lab File: V01241121A04.D
Acq: 21 Nov 2024 8:31 am

Tgt Ion: 92 Resp: 247110

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.5	206.3

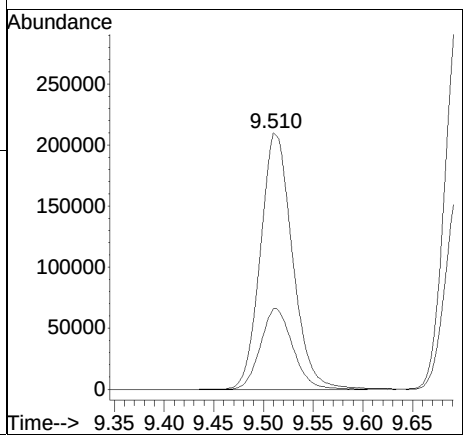


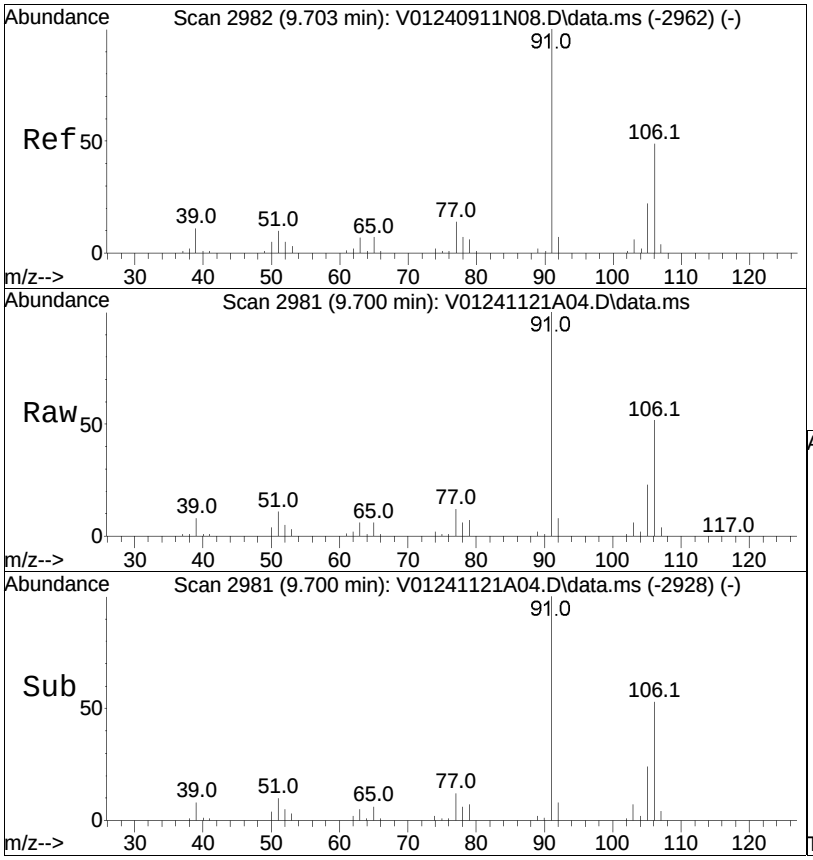


#74
Ethylbenzene
Concen: 9.54 ug/L
RT: 9.510 min Scan# 2913
Delta R.T. -0.006 min
Lab File: V01241121A04.D
Acq: 21 Nov 2024 8:31 am

Tgt Ion: 91 Resp: 470944

Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.7	37.1

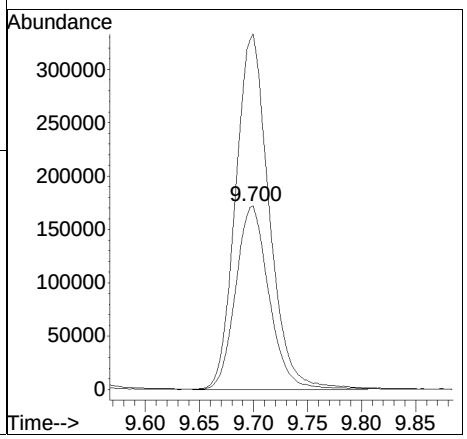


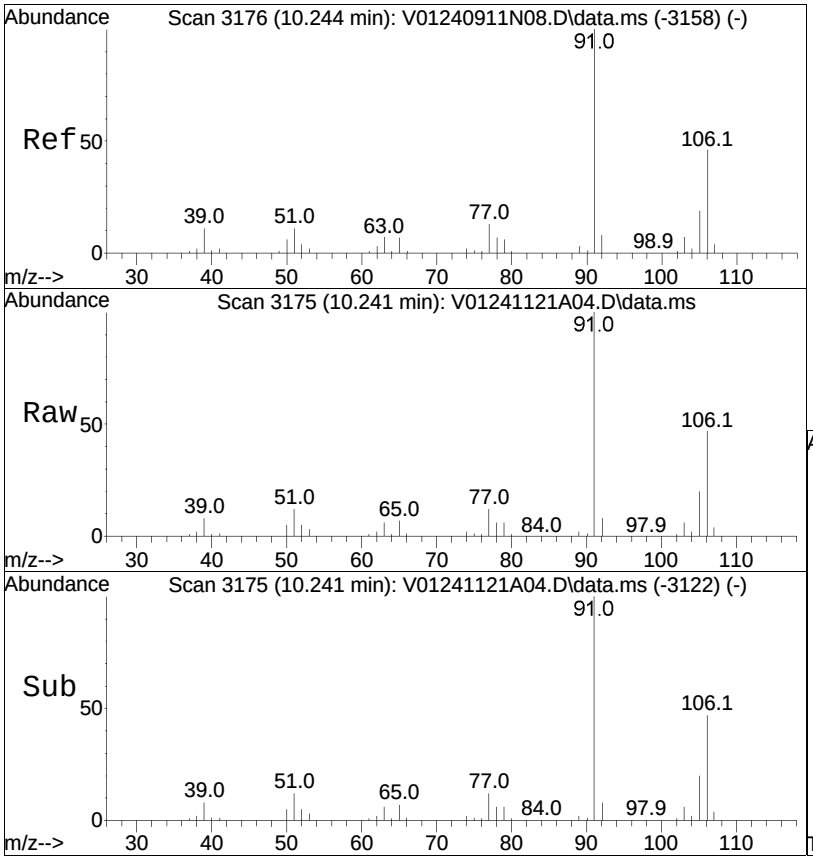


#76
p/m Xylene
Concen: 18.33 ug/L
RT: 9.700 min Scan# 2981
Delta R.T. -0.003 min
Lab File: V01241121A04.D
Acq: 21 Nov 2024 8:31 am

Tgt Ion:106 Resp: 369737

Ion	Ratio	Lower	Upper
106	100		
91	193.7	162.9	244.3

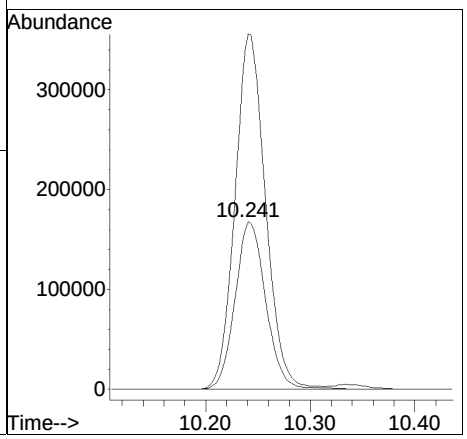




#77
o Xylene
Concen: 17.90 ug/L
RT: 10.241 min Scan# 3175
Delta R.T. -0.003 min
Lab File: V01241121A04.D
Acq: 21 Nov 2024 8:31 am

Tgt Ion:106 Resp: 344063

Ion	Ratio	Lower	Upper
106	100		
91	209.5	171.2	256.8



Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N19.D
Acq On : 22 Nov 2024 6:31 am
Operator : VOA101:MKS
Sample : WG2001016-6,31,10,10,,A1
Misc : WG2001016,ICAL21487
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 09:56:31 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	225298	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 102.02%			
59) Chlorobenzene-d5	9.457	117	198611	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 101.62%			
79) 1,4-Dichlorobenzene-d4	12.176	152	127355	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 105.39%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.138	113	66495	11.253	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.53%			
43) 1,2-Dichloroethane-d4	5.659	65	60466	8.906	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.06%			
60) Toluene-d8	7.614	98	227242	9.541	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.41%			
83) 4-Bromofluorobenzene	10.963	95	91194	8.443	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.43%			
Target Compounds						Qvalue
41) Benzene	5.522	78	217834	9.968	ug/L	99
61) Toluene	7.675	92	151795	9.542	ug/L	97
74) Ethylbenzene	9.513	91	288774	9.109	ug/L	94
76) p/m Xylene	9.700	106	243009	18.748	ug/L	90
77) o Xylene	10.244	106	222929	18.053	ug/L	91

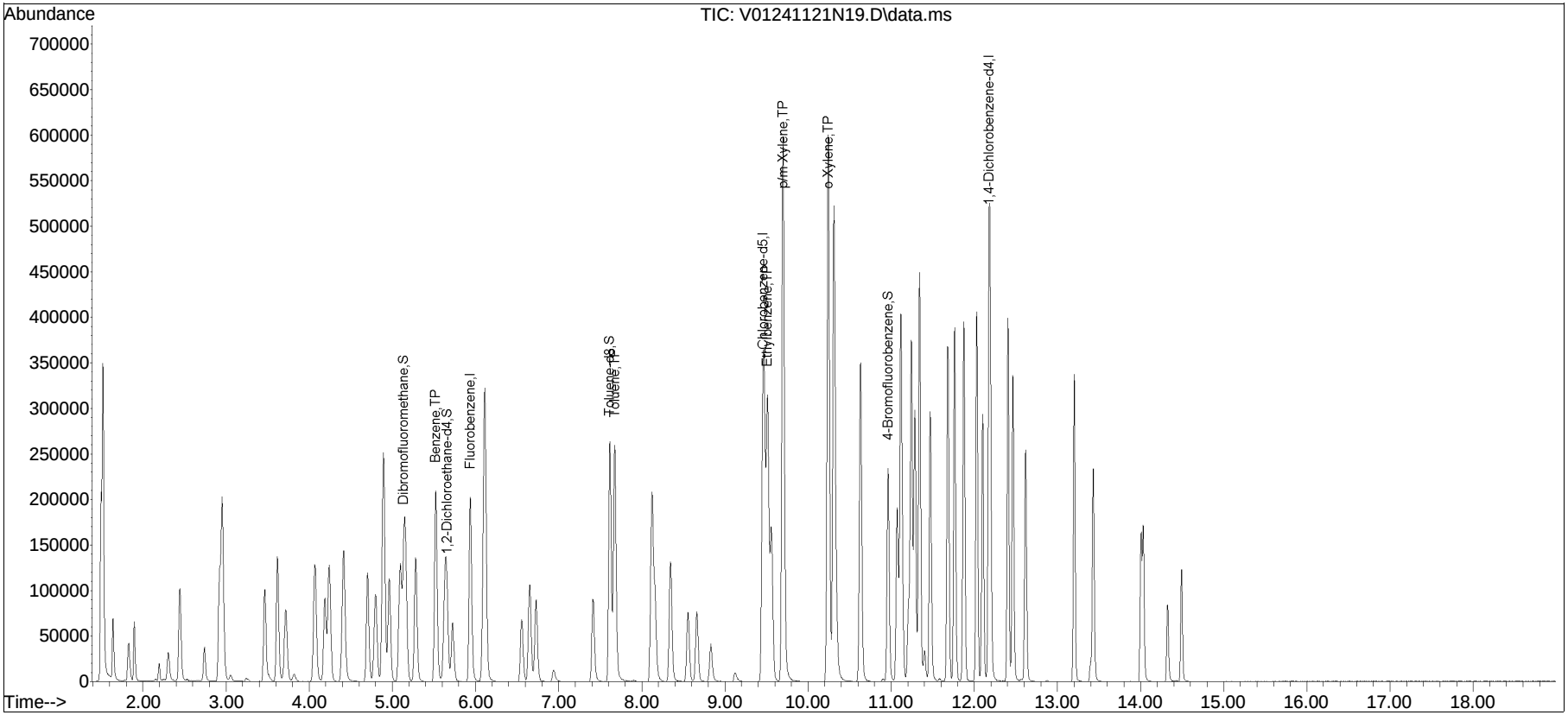
(#) = qualifier out of range (m) = manual integration (+) = signals summed

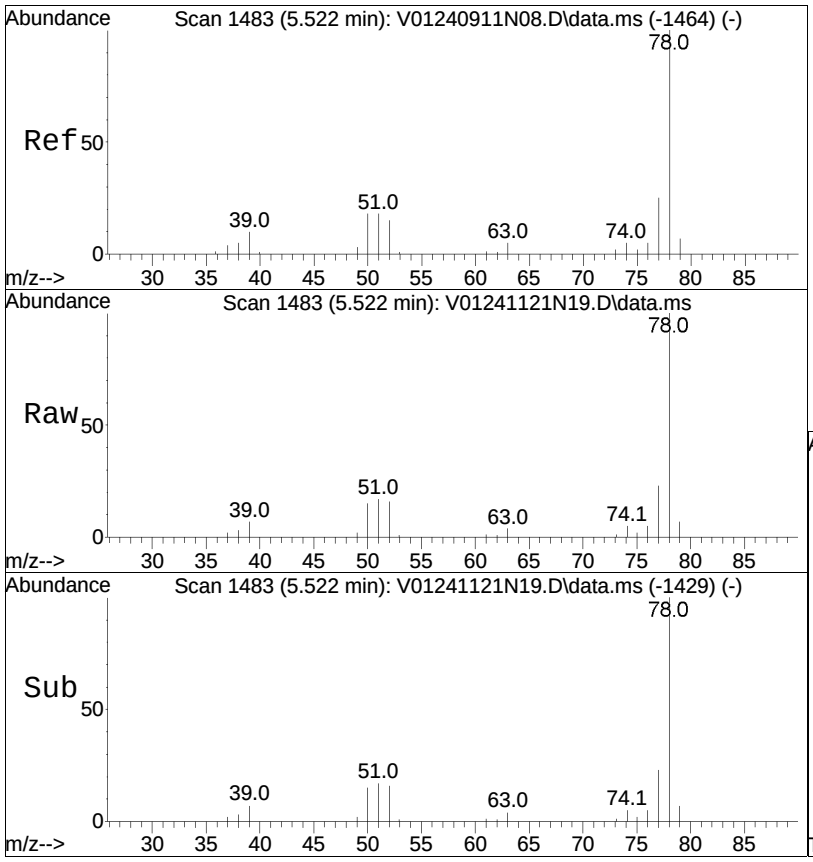
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N19.D
Acq On : 22 Nov 2024 6:31 am
Operator : VOA101:MKS
Sample : WG2001016-6,31,10,10,,A1
Misc : WG2001016,ICAL21487
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 09:56:31 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•

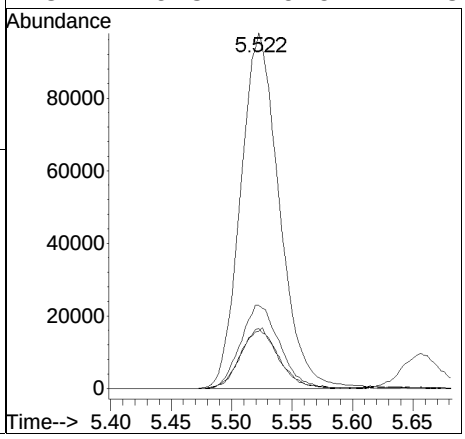


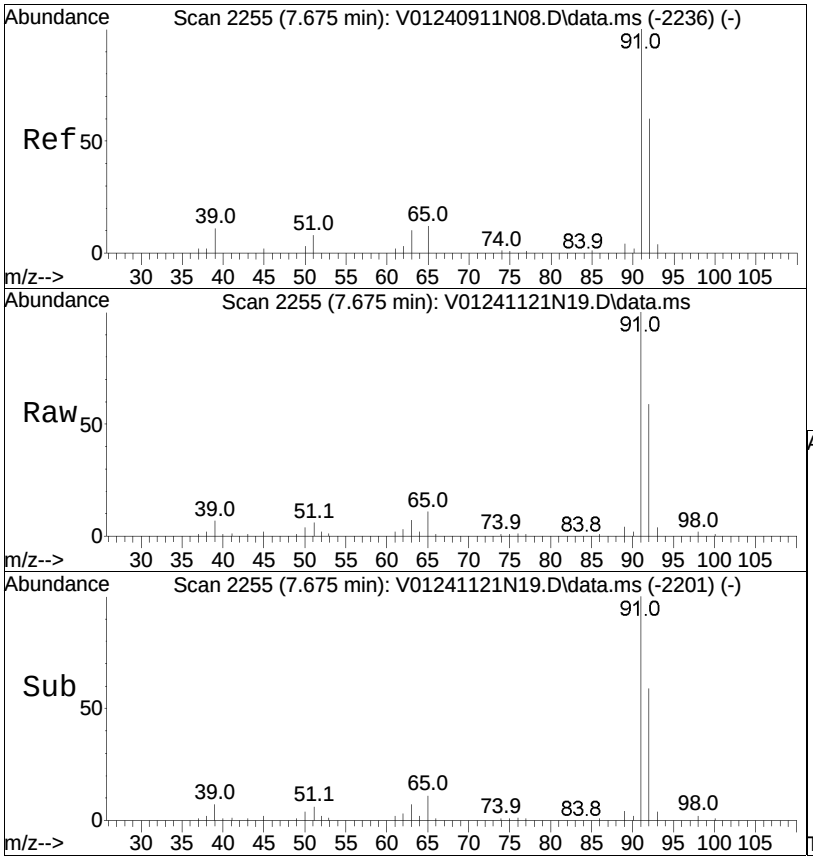


#41
Benzene
Concen: 9.97 ug/L
RT: 5.522 min Scan# 1483
Delta R.T. 0.000 min
Lab File: V01241121N19.D
Acq: 22 Nov 2024 6:31 am

Tgt Ion: 78 Resp: 217834

Ion	Ratio	Lower	Upper
78	100		
77	23.8	15.7	32.5
51	16.6	11.6	24.2
52	16.5	10.9	22.5

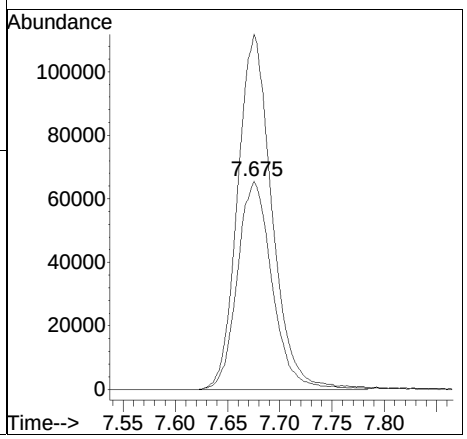


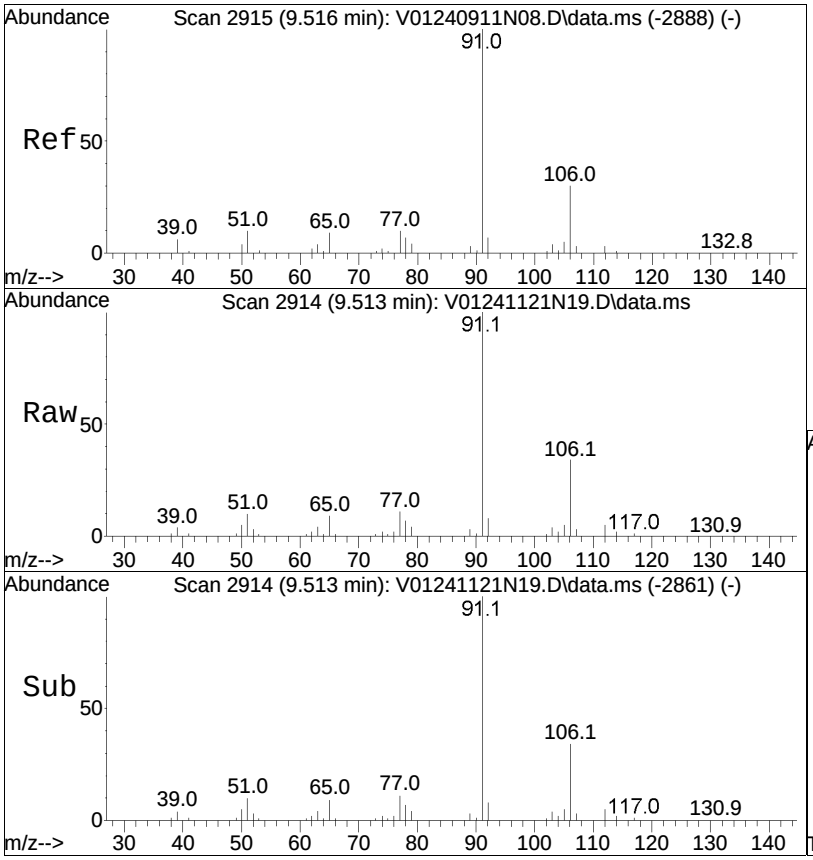


#61
Toluene
Concen: 9.54 ug/L
RT: 7.675 min Scan# 2255
Delta R.T. 0.000 min
Lab File: V01241121N19.D
Acq: 22 Nov 2024 6:31 am

Tgt Ion: 92 Resp: 151795

Ion	Ratio	Lower	Upper
92	100		
91	167.4	137.5	206.3

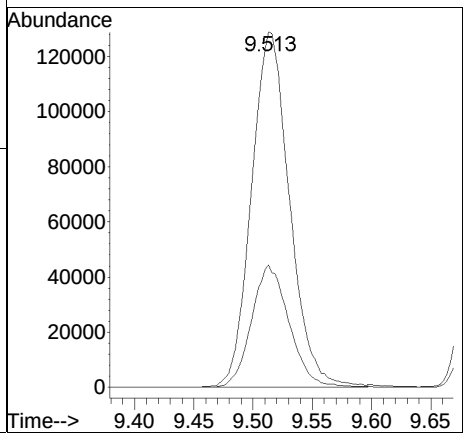


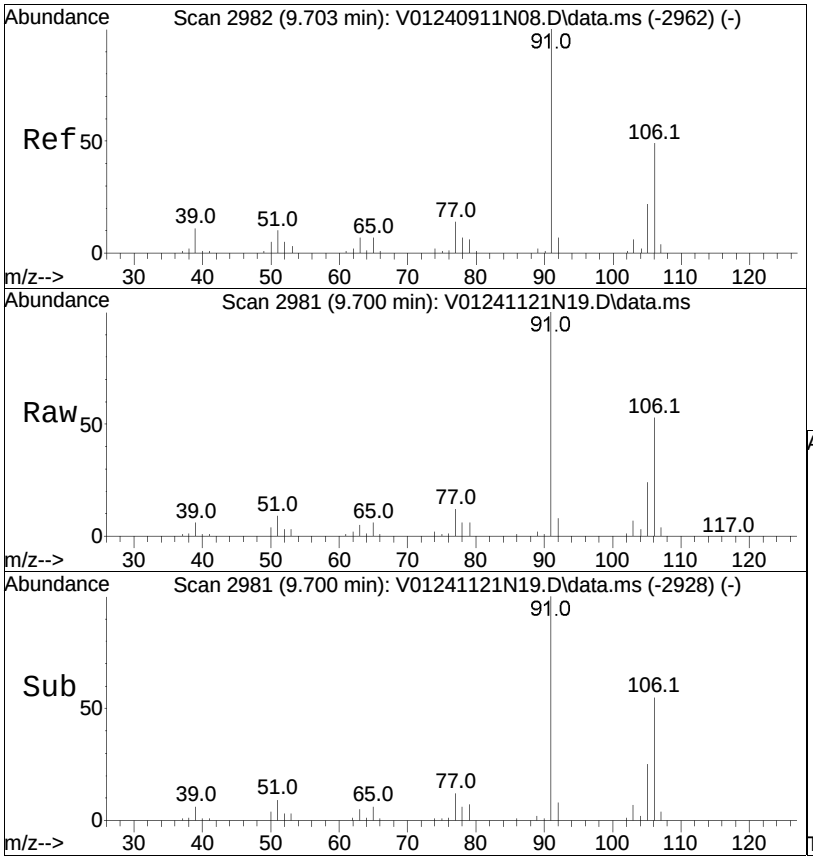


#74
Ethylbenzene
Concen: 9.11 ug/L
RT: 9.513 min Scan# 2914
Delta R.T. -0.003 min
Lab File: V01241121N19.D
Acq: 22 Nov 2024 6:31 am

Tgt Ion: 91 Resp: 288774

Ion	Ratio	Lower	Upper
91	100		
106	34.0	24.7	37.1

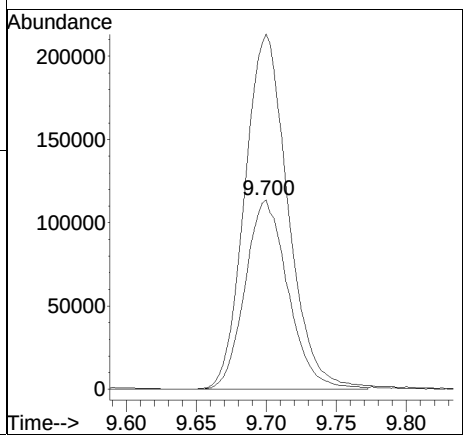


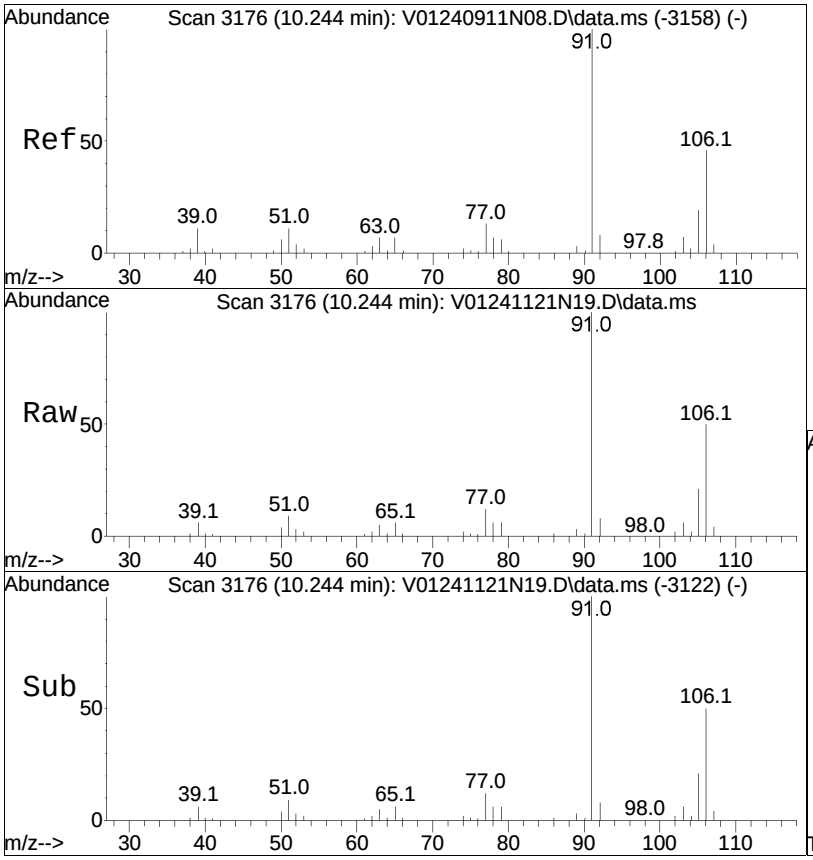


#76
p/m Xylene
Concen: 18.75 ug/L
RT: 9.700 min Scan# 2981
Delta R.T. -0.003 min
Lab File: V01241121N19.D
Acq: 22 Nov 2024 6:31 am

Tgt Ion:106 Resp: 243009

Ion	Ratio	Lower	Upper
106	100		
91	188.9	162.9	244.3

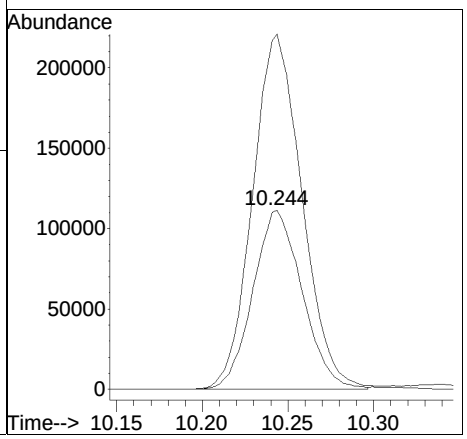




#77
o Xylene
Concen: 18.05 ug/L
RT: 10.244 min Scan# 3176
Delta R.T. -0.000 min
Lab File: V01241121N19.D
Acq: 22 Nov 2024 6:31 am

Tgt Ion:106 Resp: 222929

Ion	Ratio	Lower	Upper
106	100		
91	199.6	171.2	256.8



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N19.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 6:31 am	Instrument	: VOA 101
Sample	: WG2001016-6,31,10,10,,A1	Quant Date	: 11/22/2024 9:56 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N20.D
Acq On : 22 Nov 2024 6:58 am
Operator : VOA101:MKS
Sample : WG2001016-7,31,10,10,,A2
Misc : WG2001016,ICAL21487
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 22 09:56:35 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2024\241121N\V01241121N01.D
Sub List : 8260-BTEX - Standard BTEX List

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.938	96	231731	10.000	ug/L	0.00
Standard Area 1 = 220828			Recovery = 104.94%			
59) Chlorobenzene-d5	9.457	117	202173	10.000	ug/L	0.00
Standard Area 1 = 195447			Recovery = 103.44%			
79) 1,4-Dichlorobenzene-d4	12.176	152	126971	10.000	ug/L	0.00
Standard Area 1 = 120841			Recovery = 105.07%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.138	113	67495	11.105	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.05%			
43) 1,2-Dichloroethane-d4	5.659	65	61528	8.811	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.11%			
60) Toluene-d8	7.617	98	231894	9.564	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.64%			
83) 4-Bromofluorobenzene	10.963	95	93087	8.644	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.44%			
Target Compounds						Qvalue
41) Benzene	5.525	78	221723	9.864	ug/L	98
61) Toluene	7.678	92	153242	9.463	ug/L	97
74) Ethylbenzene	9.513	91	289314	8.965	ug/L	95
76) p/m Xylene	9.697	106	244333	18.518	ug/L	90
77) o Xylene	10.244	106	226170	17.993	ug/L	90

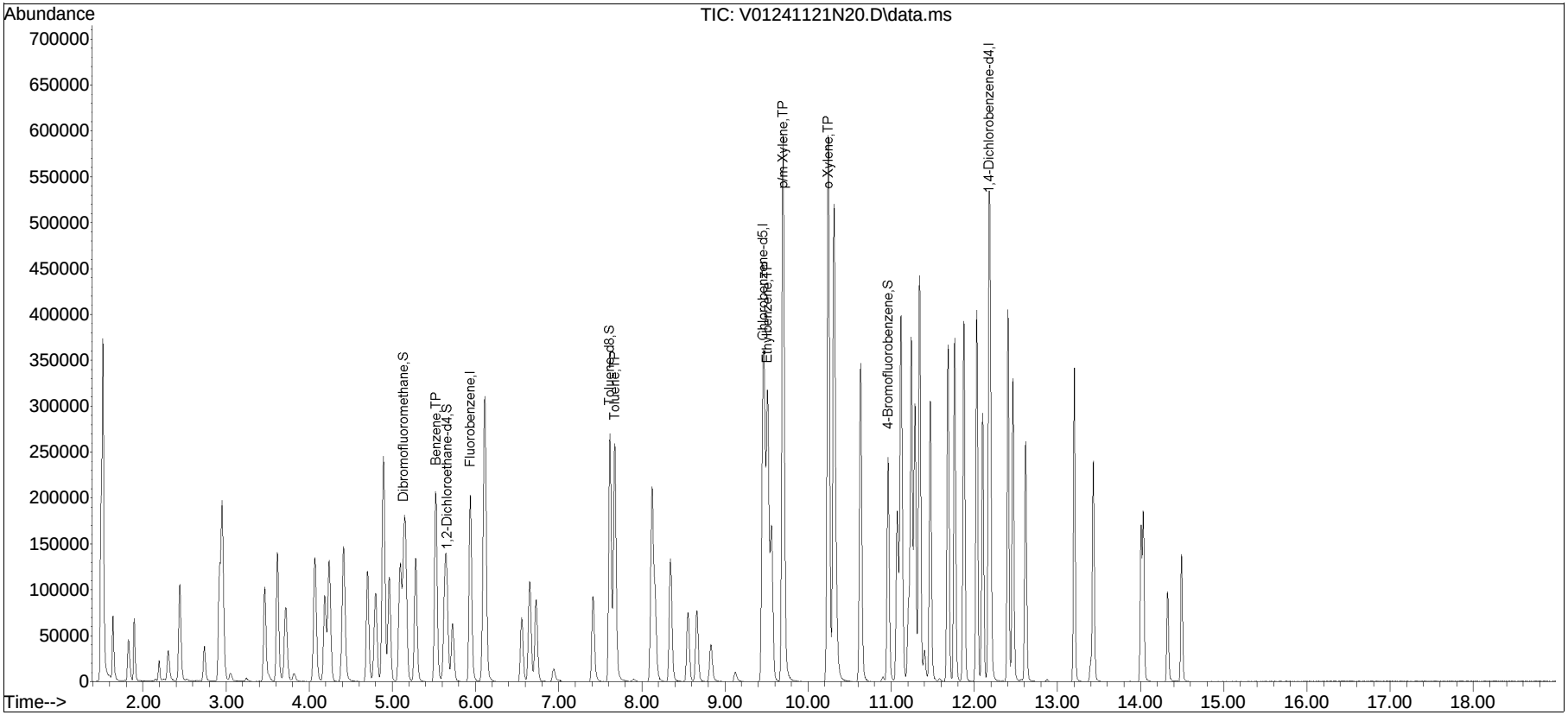
(#) = qualifier out of range (m) = manual integration (+) = signals summed

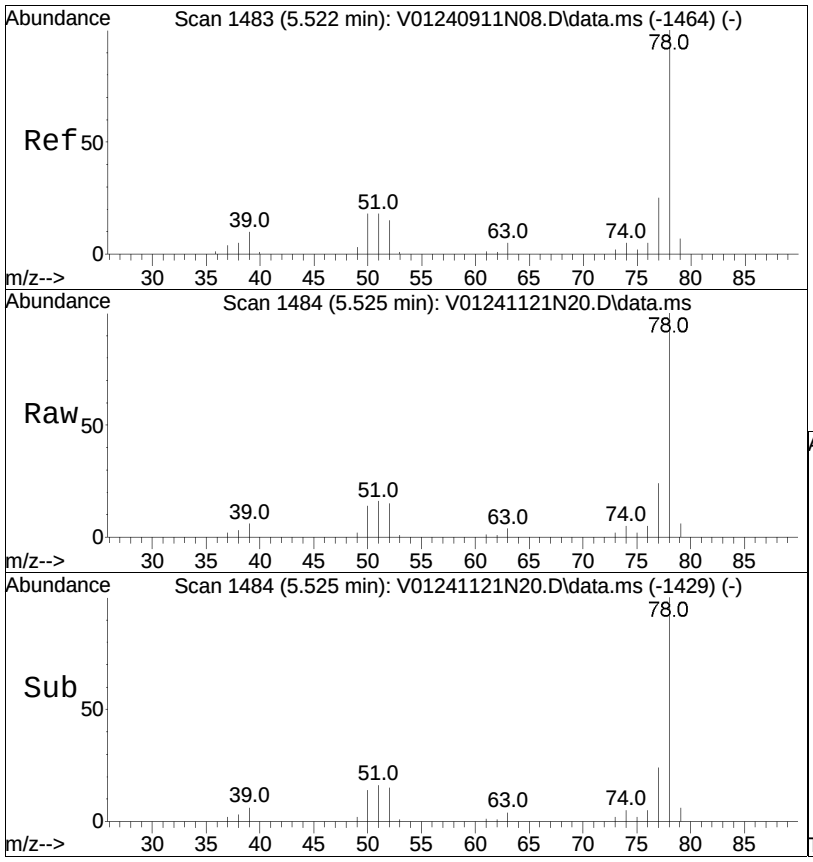
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2024\241121N\
Data File : V01241121N20.D
Acq On : 22 Nov 2024 6:58 am
Operator : VOA101:MKS
Sample : WG2001016-7,31,10,10,,A2
Misc : WG2001016,ICAL21487
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 22 09:56:35 2024
Quant Method : K:\VOA101\2024\241121N\V101_240911N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Sep 12 12:36:16 2024
Response via : Initial Calibration

Sub List : 8260-BTEX - Standard BTEX List241121N01.D•

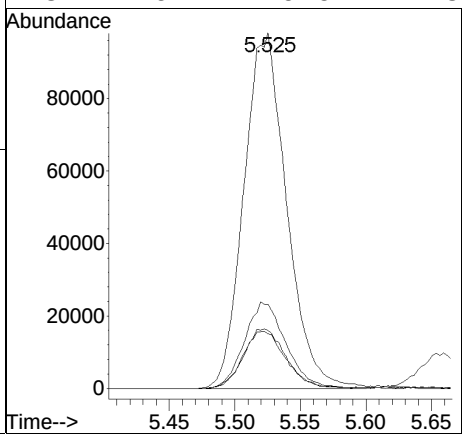


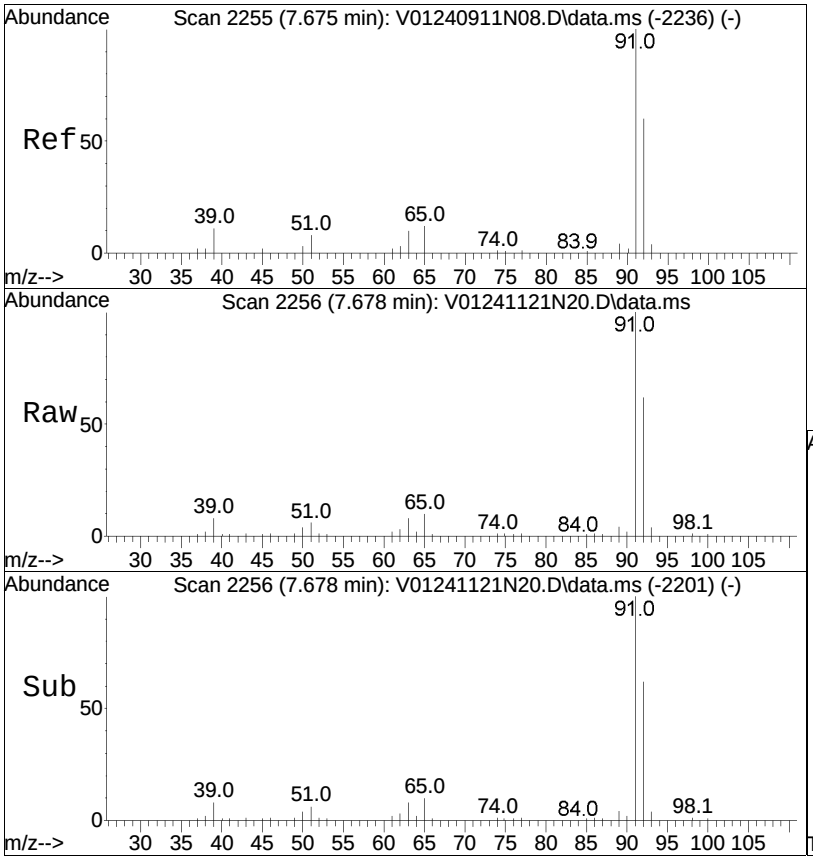


#41
Benzene
Concen: 9.86 ug/L
RT: 5.525 min Scan# 1484
Delta R.T. 0.003 min
Lab File: V01241121N20.D
Acq: 22 Nov 2024 6:58 am

Tgt Ion: 78 Resp: 221723

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.7	32.5
51	16.8	11.6	24.2
52	16.1	10.9	22.5

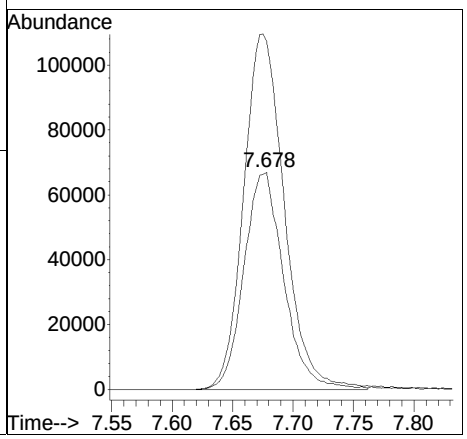


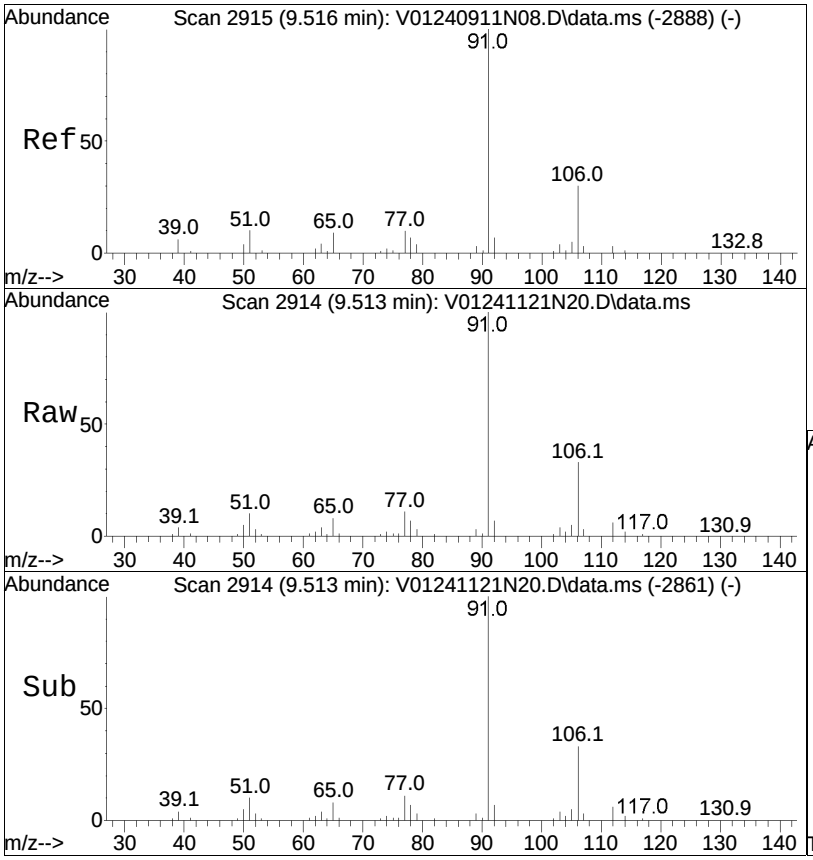


#61
Toluene
Concen: 9.46 ug/L
RT: 7.678 min Scan# 2256
Delta R.T. 0.003 min
Lab File: V01241121N20.D
Acq: 22 Nov 2024 6:58 am

Tgt Ion: 92 Resp: 153242

Ion	Ratio	Lower	Upper
92	100		
91	167.5	137.5	206.3

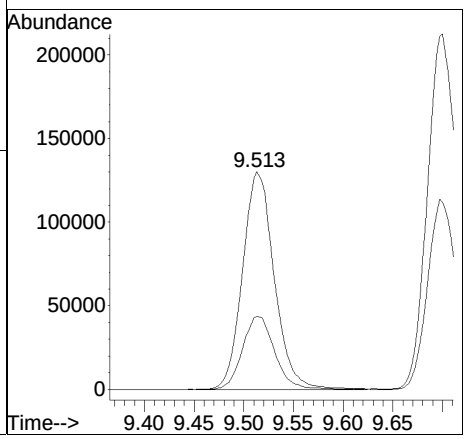


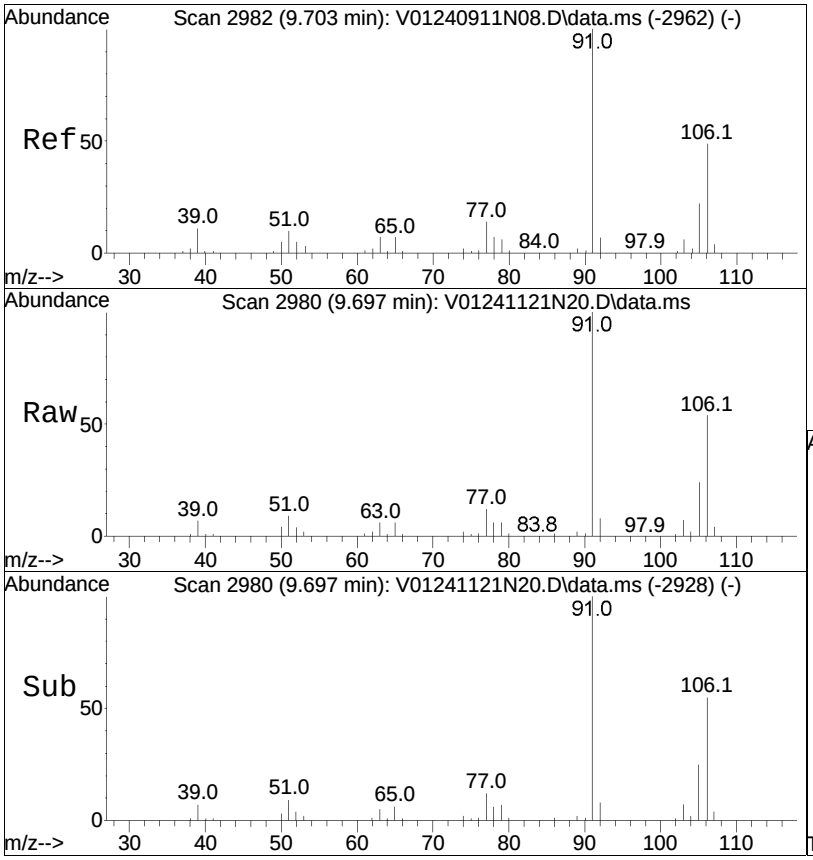


#74
Ethylbenzene
Concen: 8.96 ug/L
RT: 9.513 min Scan# 2914
Delta R.T. -0.003 min
Lab File: V01241121N20.D
Acq: 22 Nov 2024 6:58 am

Tgt Ion: 91 Resp: 289314

Ion	Ratio	Lower	Upper
91	100		
106	33.9	24.7	37.1

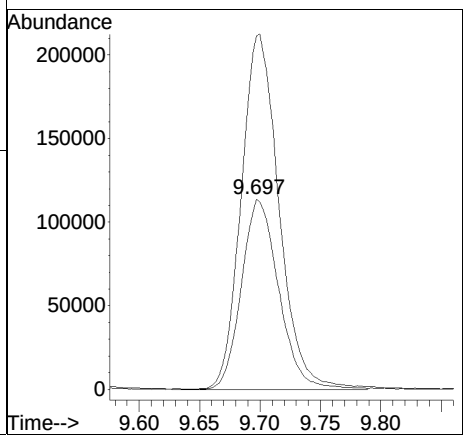


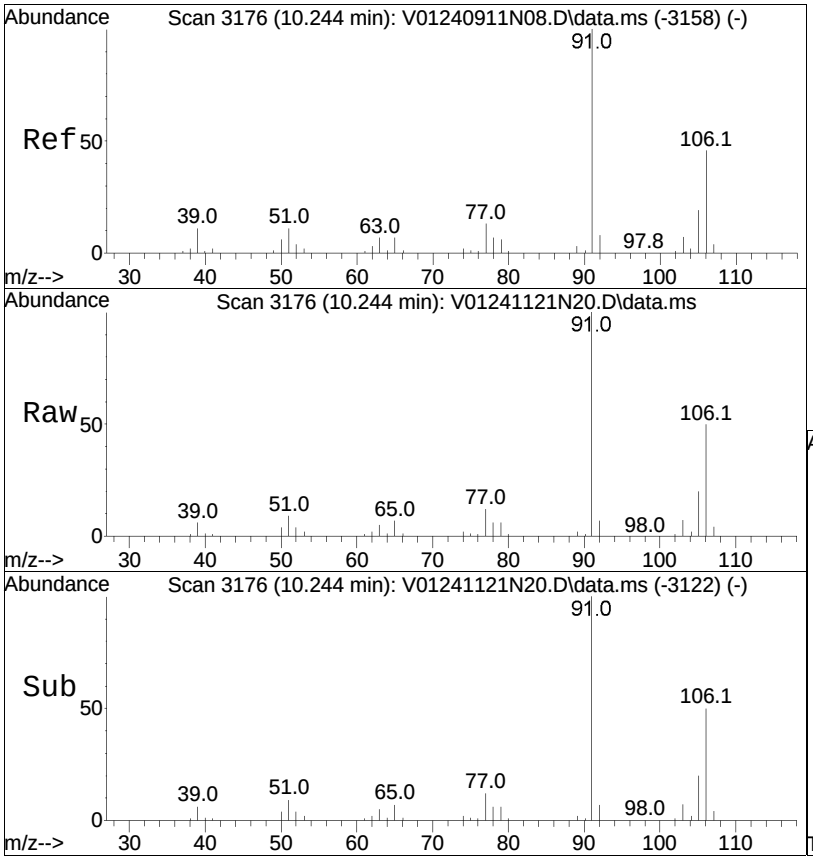


#76
p/m Xylene
Concen: 18.52 ug/L
RT: 9.697 min Scan# 2980
Delta R.T. -0.006 min
Lab File: V01241121N20.D
Acq: 22 Nov 2024 6:58 am

Tgt Ion:106 Resp: 244333

Ion	Ratio	Lower	Upper
106	100		
91	187.9	162.9	244.3

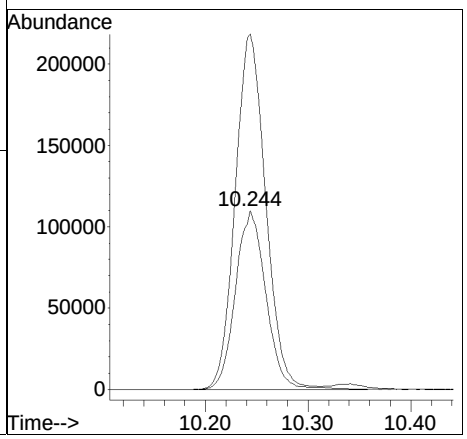




#77
o Xylene
Concen: 17.99 ug/L
RT: 10.244 min Scan# 3176
Delta R.T. -0.000 min
Lab File: V01241121N20.D
Acq: 22 Nov 2024 6:58 am

Tgt Ion:106 Resp: 226170

Ion	Ratio	Lower	Upper
106	100		
91	198.5	171.2	256.8



Manual Integration Report

Data Path	: K:\VOA101\2024\241121N\	QMethod	: V101_240911N_8260.m
Data File	: V01241121N20.D	Operator	: VOA101:MKS
Date Inj'd	: 11/22/2024 6:58 am	Instrument	: VOA 101
Sample	: WG2001016-7,31,10,10,,A2	Quant Date	: 11/22/2024 9:56 am

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

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Jan 06 2025, 08:40 am

Work Group: WG2000507 for Department: 31 GC/MS - Volatiles

Created: 21-NOV-24 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2466945-01	O/W SEPARATOR	S	NYTCL-8260-R2	WATER	DONE	U	1126	1121	S0	Vial-B
L2467254-01	MW18-04S	S	NYTCL-8260-BTEX	WATER	DONE	U	1128	1122	S0	Vial-B
WG2000507-1	MS BFB Tune Standard	S	NYTCL-8260-BTEX	WATER	DACQ	U				
WG2000507-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG2000507-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG2000507-2	Continuing Calibrati	S	NYTCL-8260-BTEX	WATER	DACQ	U				
WG2000507-3	Laboratory Control S	S	NYTCL-8260-BTEX	WATER	DACQ	U				
WG2000507-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DONE	U				
WG2000507-4	LCS Duplicate	S	NYTCL-8260-BTEX	WATER	DACQ	U				
WG2000507-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DONE	U				
WG2000507-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DONE	U				
WG2000507-5	Laboratory Method Bl	S	NYTCL-8260-BTEX	WATER	DACQ	U				

Comments:

WG2000507-4 WG2000507-3

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Jan 06 2025, 08:40 am

Work Group: WG2000602 for Department: 31 GC/MS - Volatiles

Created: 21-NOV-24 Due: Operator: PID

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2466934-01	MW-108S	S	NYTCL-8260	WATER	DONE	U	1128	1122	S0	Vial-B
L2466934-02	MW-4S	S	NYTCL-8260	WATER	DONE	U	1128	1122	S0	Vial-B
L2466934-03	MW-1S	S	NYTCL-8260	WATER	DONE	U	1128	1122	S0	Vial-B
L2466934-05	MW-104S	S	NYTCL-8260	WATER	DONE	U	1128	1122	S0	Vial-B
L2466934-06	MW-109S	S	NYTCL-8260	WATER	DONE	U	1128	1122	S0	Vial-B
L2466934-07	DUPLICATE	S	NYTCL-8260	WATER	DONE	U	1128	1122	S0	Vial-B
L2467254-03	BD-20241114	S	NYTCL-8260-BTEX	WATER	DONE	U	1128	1122	S0	Vial-B
L2467326-03	MW-15_111524	S	NYTCL-8260	WATER	DONE	U	1129	1122	S0	Vial-B
L2467326-04	EB_111524	S	NYTCL-8260	WATER	DONE	U	1129	1122	S0	Vial-B
L2467326-05	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	1129	1122	S0	Vial-B
L2467332-17	SOFB03_111524	S	NYTCL-8260	WATER	DONE	U	1129	1122	S0	Vial-B
WG2000602-1	MS BFB Tune Standard	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2000602-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2000602-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2000602-2	Continuing Calibrati	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2000602-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2000602-3	Laboratory Control S	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2000602-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2000602-4	LCS Duplicate	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2000602-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG2000602-5	Laboratory Method Bl	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2000602-6	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG2000602-6	Matrix Spike	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2000602-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				
WG2000602-7	Matrix Spike Duplica	S	NYTCL-8260-BTEX	WATER	DONE	U				

Comments:

WG2000602-4	WG2000602-3
WG2000602-6	L2466934-02
WG2000602-7	L2466934-02

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Jan 06 2025, 08:40 am

Work Group: WG2001016 for Department: 31 GC/MS - Volatiles

Created: 22-NOV-24 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2467254-02	MW18-04D	S	NYTCL-8260-BTEX	WATER	DONE	U	1128	1122	S0	Vial-B
L2467254-04	MW08-05S	S	NYTCL-8260-BTEX	WATER	DONE	U	1128	1122	S0	Vial-B
L2467254-05	MW08-05D	S	NYTCL-8260-BTEX	WATER	DONE	U	1128	1122	S0	Vial-B
L2467254-06	MW93-2D	S	NYTCL-8260-BTEX	WATER	DONE	U	1129	1122	S0	Vial-B
L2467254-07	MW93-2S	S	NYTCL-8260-BTEX	WATER	DONE	U	1129	1122	S0	Vial-B
L2467254-08	MW08-08S	S	NYTCL-8260-BTEX	WATER	DONE	U	1129	1122	S0	Vial-B
L2467254-09	MW93-1S	S	NYTCL-8260-BTEX	WATER	DONE	U	1128	1122	S0	Vial-B
L2467254-10	MW93-1D	S	NYTCL-8260-BTEX	WATER	DONE	U	1128	1122	S0	Vial-B
L2467254-11	MW08-07S	S	NYTCL-8260-BTEX	WATER	DONE	U	1129	1122	S0	Vial-B
L2467254-12	MW08-07D	S	NYTCL-8260-BTEX	WATER	DONE	U	1129	1122	S0	Vial-B
L2467254-13	MW08-06S	S	NYTCL-8260-BTEX	WATER	DONE	U	1129	1122	S0	Vial-B
L2467254-14	MW08-06D	S	NYTCL-8260-BTEX	WATER	DONE	U	1129	1122	S0	Vial-B
L2467254-15	MW18-08D	S	NYTCL-8260-BTEX	WATER	DONE	U	1129	1122	S0	Vial-B
WG2001016-1	MS BFB Tune Standard	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2001016-2	Continuing Calibrati	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2001016-3	Laboratory Control S	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2001016-4	LCS Duplicate	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2001016-5	Laboratory Method Bl	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2001016-6	Matrix Spike	S	NYTCL-8260-BTEX	WATER	DONE	U				
WG2001016-7	Matrix Spike Duplica	S	NYTCL-8260-BTEX	WATER	DONE	U				

Comments:

WG2001016-4	WG2001016-3
WG2001016-6	L2467254-02
WG2001016-7	L2467254-02

Method

Inst: VOA101 BFB: V10618 GC: 8260

Initials: MAG IS/SS: V10647 Autosampler: 8260water

Date: **09/11/24** ICAL: V10649A,V10662 Concentrator: 8260water

Run: **N** ICV: V10652, V10620, V10621, V10638, V10653, V10654 QC: _____ Seq:

Vial	DATA FILE	SAMPLE	
1	V01240911NBF1	BFB TUNE	
1	V01240911NBF2	BFB TUNE	
2	V01240911NBF3	BFB TUNE	
3	V01240911NBF4	BFB TUNE	
4	V01240911N01	BLK	
5	V01240911N02	BLK	
6	V01240911N03	I8260STD0.19PPB	
7	V01240911N04	I8260STD0.19PPB	
8	V01240911N05	I8260STD0.5PPB	
9	V01240911N06	I8260STD0.5PPB	
10	V01240911N07	I8260STD2PPB	
11	V01240911N08	I8260STD10PPB	
12	V01240911N09	I8260STD30PPB	
13	V01240911N10	I8260STD80PPB	
14	V01240911N11	I8260STD120PPB	
15	V01240911N12	I8260STD200PPB	
16	V01240911N13	BLK	
17	V01240911N14	BLK	
18	V01240911N15	BLK	
19	V01240911N16	BLK	
20	V01240911N17	C8260STD10PPB	
21	V01240911N18	C8260STD10PPB	
22	V01240911N19	BLK	
23	V01240911N20	BLK	

Inst: Elaine
Initials: TMS
Date: **11/15/24**
Run: **A**

BFB: V10797
IS/SS: V10782
ICAL: V10788C,V10798
ICV: V10780,V10761,V10771,V10762,V10745,V10756

Method
GC: 8260
Autosampler: 8260
Concentrator: 8260

QC:_____ Seq:_____

Vial	Data File	Sample	obs
1	VE241115ABF3	BFB TUNE 1:44	
1	VE241115A01	BLK	
2	VE241115A02	BLK	
3	VE241115A03	I8260STD0.19PPB	
4	VE241115A04	I8260STD0.19PPB	
5	VE241115A05	I8260STD0.5PPB	
6	VE241115A06	I8260STD0.5PPB	
7	VE241115A07	I8260STD2PPB	
8	VE241115A08	I8260STD2PPB	
9	VE241115A09	I8260STD10PPB	
10	VE241115A10	I8260STD30PPB	
11	VE241115A11	I8260STD80PPB	
12	VE241115A12	I8260STD120PPB	
13	VE241115A13	I8260STD200PPB	
14	VE241115A14	BLK	
15	VE241115A15	BLK	
16	VE241115A16	BLK	
17	VE241115A17	BLK	
18	VE241115A18	C8260STD10PPB	
19	VE241115A19	C8260STD10PPB	
20	VE241115A20	BLK	

Inst: VOA101 BFB: V10797 Method GC: 8260
Initials: PID IS/SS: V10796 Autosampler: 8260water
Date: **11/21/24** ICAL: V10788C,V10806,V10810 Concentrator: 8260water
Run: **A** QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE			
1	V01241121ABF1	BFB TUNE 06:59			
1	V01241121A01	AA CCAL LCS			
2	V01241121A02	AA CCAL LCSD			
3	V01241121A03	8260 CCAL LCS			
4	V01241121A04	8260 CCAL LCSD			
5	V01241121A05	8260 CCAL			
6	V01241121A06	BLK			
7	V01241121A07	METHOD BLK			
8	V01241121A08	L2468272-01,31,10,10,,A,R3A	8260/MM		pH<2
9	V01241121A09	L2468272-02,31,10,10,,A,R3A	8260/MM		pH<2
10	V01241121A10	L2466945-01D,31,0.4,10,,A	NY/BTEX,MTBE	CLOUDY,FOAM	pH<2
11	V01241121A11	DSTD			
12	V01241121A12	L2467254-01,31,10,10,,A	NY/BTEX		pH<2
13	V01241121A13	L2467161-01,31,10,10,,A	8260		pH<2
14	V01241121A14	L2467161-02,31,10,10,,A	8260		pH<2
15	V01241121A15	L2467161-03,31,10,10,,A	8260		pH<2
16	V01241121A16	L2467161-04,31,10,10,,A	8260		pH<2
17	V01241121A17	L2467161-05,31,10,10,,A	8260		pH<2
18	V01241121A18	L2467161-06,31,10,10,,A	8260		pH<2
19	V01241121A19	L2467161-07,31,10,10,,A	8260		pH<2
20	V01241121A20	L2467161-08,31,10,10,,A	8260		pH<2
21	V01241121A21	L2467161-09,31,10,10,,A	8260		pH<2
22	V01241121A22	L2467161-10,31,10,10,,A	8260		pH<2
23	V01241121A23	L2467161-11,31,10,10,,A	8260		pH<2
24	V01241121A24	L2467161-12,31,10,10,,A	8260		pH<2
25	V01241121A25	L2467161-13,31,10,10,,A	8260		pH<2
26	V01241121A26	L2467161-14,31,10,10,,A	8260	FB	pH<2
27	V01241121A27	L2467161-15,31,10,10,,A	8260	TB	pH<2
28	V01241121A28	HSTD			
29	V01241121A29	BLK			
30	V01241121A30	BLK			

Inst: Elaine
Initials: PID
Date: **11/21/24**
Run: **A**

BFB: V10797
IS/SS: V10782
ICAL: V10788C,V10806

Method
GC: 8260
Autosampler: 8260
Concentrator: 8260

QC:_____ Seq:_____

Vial	Data File	Sample			obs
1	VE241121ABF1	BFB TUNE 08:20			
1	VE241121A01	8260 CCAL LCS			
2	VE241121A02	8260 CCAL LCSD			
3	VE241121A03	8260 CCAL			
4	VE241121A04	BLK			
5	VE241121A05	METHOD BLK			
6	VE241121A06	L2466669-02,31,10,10,,C	8260		pH<2
7	VE241121A07	L2466669-03,31,10,10,,C	8260		pH<2
8	VE241121A08	L2466669-09,31,10,10,,C	8260		pH<2
9	VE241121A09	L2466934-01,31,10,10,,A	NYTCL		pH<2
10	VE241121A10	L2466934-02,31,10,10,,A	NYTCL		pH<2
11	VE241121A11	L2466934-03,31,10,10,,A	NYTCL		pH<2
12	VE241121A12	L2466934-05D,31,5.0,10,,A	NYTCL		pH<2
13	VE241121A13	L2466934-06,31,10,10,,A	NYTCL		pH<2
14	VE241121A14	L2466934-07,31,10,10,,A	NYTCL		pH<2
15	VE241121A15	L2466934-02MS,31,10,10,,A1	NYTCL		pH<2
16	VE241121A16	L2466934-02MSD,31,10,10,,A2	NYTCL		pH<2
17	VE241121A17	DSTD			
18	VE241121A18	L2467332-17,31,10,10,,A	NYCURVE	FB	pH<2
19	VE241121A19	L2467254-03,31,10,10,,A	NY/BTEX		pH<2
20	VE241121A20	L2467107-01,31,10,10,,A	ME8260		pH<2
21	VE241121A21	L2467107-02,31,10,10,,A	ME8260		pH<2
22	VE241121A22	L2467107-03,31,10,10,,A	ME8260		pH<2
23	VE241121A23	L2467107-04,31,10,10,,A	ME8260		pH<2
24	VE241121A24	L2467326-04,31,10,10,,A	NYTCL		pH<2
25	VE241121A25	L2467326-05,31,10,10,,A	NYTCL	TB	pH<2
26	VE241121A26	L2467156-02,31,10,10,,A	NYTCL		pH<2
27	VE241121A27	L2467326-03,31,10,10,,A	NYTCL		pH<2
28	VE241121A28	L2467156-01D,31,1.0,10,,A	NYTCL		pH<2
29	VE241121A29	HSTD			
30	VE241121A30	BLK			
31	VE241121A31	BLK			

Inst: VOA101 BFB: V10797 Method GC: 8260
Initials: TMS IS/SS: V10796 Autosampler: 8260water
Date: **11/21/24** ICAL: V10788C,V10806 Concentrator: 8260water
Run: **N** QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE		
1	V01241121NBF3	BFB TUNE 21:53		
1	V01241121N01	8260 CCAL LCS		
2	V01241121N02	8260 CCAL LCSD		
3	V01241121N03	8260 CCAL		
4	V01241121N04	BLK		
5	V01241121N05	METHOD BLK		
6	V01241121N06	L2467254-02,31,10,10,,A	NY/BTEX	pH<2
7	V01241121N07	L2467254-04,31,10,10,,A	NY/BTEX	pH<2
8	V01241121N08	L2467254-05,31,10,10,,A	NY/BTEX	pH<2
9	V01241121N09	L2467254-06,31,10,10,,A	NY/BTEX	pH<2
10	V01241121N10	L2467254-07,31,10,10,,A	NY/BTEX	pH<2
11	V01241121N11	L2467254-08,31,10,10,,A	NY/BTEX	pH<2
12	V01241121N12	L2467254-09,31,10,10,,A	NY/BTEX	pH<2
13	V01241121N13	L2467254-10,31,10,10,,A	NY/BTEX	pH<2
14	V01241121N14	L2467254-11,31,10,10,,A	NY/BTEX	pH<2
15	V01241121N15	L2467254-12,31,10,10,,A	NY/BTEX	pH<2
16	V01241121N16	L2467254-13,31,10,10,,A	NY/BTEX	pH<2
17	V01241121N17	L2467254-14,31,10,10,,A	NY/BTEX	pH<2
18	V01241121N18	L2467254-15,31,10,10,,A	NY/BTEX	pH<2
19	V01241121N19	L2467254-02MS,31,10,10,,A1	NY/BTEX	pH<2
20	V01241121N20	L2467254-02MSD,31,10,10,,A2	NY/BTEX	pH<2

Semivolatiles Data- Method 8270

Semivolatiles QC Summary

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1999910-2 **Analysis Date** : 11/21/24 00:51	**File ID**	: 999910-2
LCSD Sample ID	: WG1999910-3 **Analysis Date** : 11/21/24 01:13	**File ID**	: 999910-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	16.	78	20	14.	71	9	37-111	30
Fluoranthene	20	19.	93	20	17.	87	7	40-140	30
Naphthalene	20	14.	72	20	13.	66	9	40-140	30
Benzo(a)anthracene	20	19.	94	20	17.	86	9	40-140	30
Benzo(a)pyrene	20	19.	95	20	17.	86	10	40-140	30
Benzo(b)fluoranthene	20	19.	95	20	17.	86	10	40-140	30
Benzo(k)fluoranthene	20	17.	87	20	16.	80	8	40-140	30
Chrysene	20	18.	89	20	16.	80	11	40-140	30
Acenaphthylene	20	15.	76	20	14.	70	8	45-123	30
Anthracene	20	18.	91	20	16.	81	12	40-140	30
Benzo(ghi)perylene	20	19.	94	20	16.	81	15	40-140	30
Fluorene	20	16.	82	20	15.	74	10	40-140	30
Phenanthrene	20	18.	90	20	16.	80	12	40-140	30
Dibenzo(a,h)anthracene	20	19.	96	20	17.	85	12	40-140	30
Indeno(1,2,3-cd)pyrene	20	19.	96	20	17.	85	12	40-140	30
Pyrene	20	19.	94	20	18.	88	7	26-127	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2000366-2 **Analysis Date** : 11/21/24 22:26	**File ID**	: 000366-2
LCSD Sample ID	: WG2000366-3 **Analysis Date** : 11/21/24 22:50	**File ID**	: 000366-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	12.	59	20	11.	56	5	37-111	30
Fluoranthene	20	14.	71	20	14.	70	1	40-140	30
Naphthalene	20	10.	51	20	9.8	49	4	40-140	30
Benzo(a)anthracene	20	13.	66	20	13.	67	2	40-140	30
Benzo(a)pyrene	20	15.	73	20	14.	71	3	40-140	30
Benzo(b)fluoranthene	20	14.	71	20	14.	69	3	40-140	30
Benzo(k)fluoranthene	20	15.	75	20	14.	71	5	40-140	30
Chrysene	20	14.	68	20	13.	67	1	40-140	30
Acenaphthylene	20	12.	58	20	11.	54	7	45-123	30
Anthracene	20	13.	66	20	13.	65	2	40-140	30
Benzo(ghi)perylene	20	14.	69	20	14.	68	1	40-140	30
Fluorene	20	13.	65	20	12.	60	8	40-140	30
Phenanthrene	20	13.	67	20	13.	66	2	40-140	30
Dibenzo(a,h)anthracene	20	14.	72	20	14.	69	4	40-140	30
Indeno(1,2,3-cd)pyrene	20	14.	70	20	13.	66	6	40-140	30
Pyrene	20	14.	72	20	14.	68	6	26-127	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Client Sample ID	: MW18-04D	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2467254-02	**Analysis Date**	: 11/22/24 02:22
Matrix Spike	: WG2000366-4	**MS Analysis Date**	: 11/22/24 01:35
Matrix Spike Dup	: WG2000366-5	**MSD Analysis Date**	: 11/22/24 01:58

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	ND	20	12.	60	20	13.	65	8	37-111	30
Fluoranthene	ND	20	15.	75	20	16.	80	6	40-140	30
Naphthalene	ND	20	10.	50	20	11.	55	10	40-140	30
Benzo(a)anthracene	ND	20	15.	75	20	16.	80	6	40-140	30
Benzo(a)pyrene	ND	20	16.	80	20	16.	80	0	40-140	30
Benzo(b)fluoranthene	ND	20	16.	80	20	15.	75	6	40-140	30
Benzo(k)fluoranthene	ND	20	16.	80	20	16.	80	0	40-140	30
Chrysene	ND	20	15.	75	20	15.	75	0	40-140	30
Acenaphthylene	ND	20	12.	60	20	13.	65	8	45-123	30
Anthracene	ND	20	15.	75	20	15.	75	0	40-140	30
Benzo(ghi)perylene	ND	20	15.	75	20	16.	80	6	40-140	30
Fluorene	ND	20	14.	70	20	14.	70	0	40-140	30
Phenanthrene	ND	20	15.	75	20	16.	80	6	40-140	30
Dibenzo(a,h)anthracene	ND	20	15.	75	20	16.	80	6	40-140	30
Indeno(1,2,3-cd)pyrene	ND	20	15.	75	20	16.	80	6	40-140	30
Pyrene	ND	20	15.	75	20	16.	80	6	26-127	30

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Arcadis of New York, Inc.
Project Name: NYSEG-GOSHEN FORMER MGP SITE

Lab Number: L2467254
Project Number: 30113059
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (NBZ)	S2 (FBP)	S3 (TPH)	S4 ()	S5 ()	S6 ()	TOT OUT
MW18-04S (L2467254-01)	52	50	65	--	--	--	0
MW18-04D (L2467254-02)	47	45	52	--	--	--	0
BD-20241114 (L2467254-03)	63	58	71	--	--	--	0
MW08-05S (L2467254-04)	62	54	68	--	--	--	0
MW08-05D (L2467254-05)	59	55	62	--	--	--	0
MW93-2D (L2467254-06)	75	71	84	--	--	--	0
MW93-2S (L2467254-07)	64	58	72	--	--	--	0
MW08-08S (L2467254-08)	68	65	77	--	--	--	0
MW93-1S (L2467254-09)	66	59	69	--	--	--	0
MW93-1D (L2467254-10)	61	56	66	--	--	--	0
MW08-07S (L2467254-11)	80	71	87	--	--	--	0
MW08-07D (L2467254-12)	85	71	80	--	--	--	0
MW08-06S (L2467254-13)	80	67	77	--	--	--	0
MW08-06D (L2467254-14)	48	48	55	--	--	--	0
MW18-08D (L2467254-15)	80	70	83	--	--	--	0
WG1999910-1BLANK	83	72	85	--	--	--	0
WG1999910-2LCS	86	74	88	--	--	--	0
WG1999910-3LCSD	73	67	79	--	--	--	0
WG2000366-1BLANK	54	57	71	--	--	--	0
WG2000366-2LCS	57	54	61	--	--	--	0
WG2000366-3LCSD	56	50	61	--	--	--	0
MW18-04DMS	65	56	64	--	--	--	0
MW18-04DMSD	64	58	67	--	--	--	0

QC LIMITS

(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(41-149) TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

Method Blank Summary
Form 4
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Lab Sample ID	: WG1999910-1	**Lab File ID**	: 999910-1
Instrument ID	: SV112	**Extraction Date**	: 11/20/24
Matrix	: WATER	**Analysis Date**	: 11/21/24 00:28
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1999910-2LCS	WG1999910-2	11/21/24 00:51
WG1999910-3LCSD	WG1999910-3	11/21/24 01:13
MW18-04S	L2467254-01	11/21/24 23:13
BD-20241114	L2467254-03	11/21/24 23:37
MW08-05S	L2467254-04	11/22/24 00:01
MW08-05D	L2467254-05	11/22/24 00:24
MW93-1S	L2467254-09	11/22/24 00:47
MW93-1D	L2467254-10	11/22/24 01:11

Method Blank Summary
Form 4
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Lab Sample ID	: WG2000366-1	**Lab File ID**	: 000366-1
Instrument ID	: DAKOTA	**Extraction Date**	: 11/21/24
Matrix	: WATER	**Analysis Date**	: 11/21/24 22:03
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2000366-2LCS	WG2000366-2	11/21/24 22:26
WG2000366-3LCSD	WG2000366-3	11/21/24 22:50
MW18-04DMS	WG2000366-4	11/22/24 01:35
MW18-04DMSD	WG2000366-5	11/22/24 01:58
MW18-04D	L2467254-02	11/22/24 02:22
MW93-2D	L2467254-06	11/22/24 05:06
MW93-2S	L2467254-07	11/22/24 05:30
MW08-08S	L2467254-08	11/22/24 05:53
MW08-07S	L2467254-11	11/22/24 06:17
MW08-07D	L2467254-12	11/22/24 06:41
MW08-06S	L2467254-13	11/22/24 07:04
MW08-06D	L2467254-14	11/22/24 07:28
MW18-08D	L2467254-15	11/22/24 07:51

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: SV112	**Analysis Date**	: 06/25/24 19:55
Tune Standard	: R1846237-4	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.4
68	Less than 2.0% of mass 69	0.6 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	44.6
197	Less than 2.0% of mass 198	0.7
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	28.2
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	74
443	15.0 - 24.0% of mass 442	14.8 (20)2

1-Value is % of mass 69 2-Value is % of mass 442

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1846237-14	ABNL9	06/25/24 20:18
ABNL8	R1846237-13	ABNL8	06/25/24 20:41
ABNL7	R1846237-12	ABNL7	06/25/24 21:04
ABNL6	R1846237-11	ABNL6	06/25/24 21:27
ABNL5	R1846237-10	ABNL5	06/25/24 21:50
ABNL4	R1846237-9	ABNL4	06/25/24 22:14
ABNL3	R1846237-8	ABNL3	06/25/24 22:37
ABNL2	R1846237-7	ABNL2	06/25/24 23:00
ABNL1	R1846237-6	ABNL1	06/25/24 23:23
AP9L9	R1846237-32	AP9L9	06/25/24 23:47
AP9L8	R1846237-31	AP9L8	06/26/24 00:10
AP9L7	R1846237-29	AP9L7	06/26/24 00:33
AP9L6	R1846237-30	AP9L6	06/26/24 00:56
AP9L5	R1846237-28	AP9L5	06/26/24 01:19
AP9L4	R1846237-27	AP9L4	06/26/24 01:43
AP9L3	R1846237-25	AP9L3	06/26/24 02:06
AP9L2	R1846237-26	AP9L2	06/26/24 02:29
AP9L1	R1846237-24	AP9L1	06/26/24 02:52
ABN ICV Quant Report	R1846237-1	ABNICV	06/26/24 03:16
AP9 ICV Quant Report	R1846237-3	AP9ICV	06/26/24 03:39

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: SV112	**Analysis Date**	: 06/26/24 04:02
Tune Standard	: R1846237-5	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	33.5
68	Less than 2.0% of mass 69	0.5 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	44.2
197	Less than 2.0% of mass 198	0.7
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.1
275	10.0 - 60.0% of Base Peak	28
365	Greater than 1.0% of mass 198	3.5
441	Present, but less than 24% of mass 442	17.2
442	Base Peak, or >50% of mass 198	74.9
443	15.0 - 24.0% of mass 442	14.9 (19.9)2

1-Value is % of mass 69 2-Value is % of mass 442

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R1846237-23	ADPL9	06/26/24 04:25
ADPL8	R1846237-22	ADPL8	06/26/24 04:48
ADPL7	R1846237-20	ADPL7	06/26/24 05:11
ADPL6	R1846237-21	ADPL6	06/26/24 05:35
ADPL5	R1846237-18	ADPL5	06/26/24 05:58
ADPL4	R1846237-19	ADPL4	06/26/24 06:21
ADPL3	R1846237-17	ADPL3	06/26/24 06:44
ADPL2	R1846237-16	ADPL2	06/26/24 07:08
ADPL1	R1846237-15	ADPL1	06/26/24 07:31
ADP ICV Quant Report	R1846237-2	ADPICV	06/26/24 07:54

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: SV112	**Analysis Date**	: 11/20/24 22:56
Tune Standard	: WG1999664-1	**Tune File ID**	: DEG1120n_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.2
68	Less than 2.0% of mass 69	0.5 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	41.8
197	Less than 2.0% of mass 198	0.6
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	24.1
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	17.3
442	Base Peak, or >50% of mass 198	55.2
443	15.0 - 24.0% of mass 442	10.7 (19.3)2

1-Value is % of mass 69 2-Value is % of mass 442

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1999664-6TFACTOR-P	WG1999664-6	DEG1120N	11/20/24 22:56
WG1999664-7TFACTOR-B	WG1999664-7	DEG1120N	11/20/24 22:56
WG1999664-3CCAL	WG1999664-3	ABN1120N	11/20/24 23:19
WG1999664-4CCAL	WG1999664-4	AP91120N	11/20/24 23:42
WG1999664-5CCAL	WG1999664-5	ADP1120N	11/21/24 00:05
WG1999910-1BLANK	WG1999910-1	999910-1	11/21/24 00:28
WG1999910-2LCS	WG1999910-2	999910-2	11/21/24 00:51
WG1999910-3LCSD	WG1999910-3	999910-3	11/21/24 01:13

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: DAKOTA	**Analysis Date**	: 11/05/24 16:36
Tune Standard	: R1897417-31	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.4
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	45.2
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 60.0% of Base Peak	27.8
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	17.4
442	Base Peak, or >50% of mass 198	80.8
443	15.0 - 24.0% of mass 442	15.9 (19.7)2

1-Value is % of mass 69 2-Value is % of mass 442

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1897417-9	ABNL9	11/05/24 16:59
ABNL8	R1897417-8	ABNL8	11/05/24 17:23
ABNL7	R1897417-7	ABNL7	11/05/24 17:46
ABNL6	R1897417-6	ABNL6	11/05/24 18:09
ABNL5	R1897417-5	ABNL5	11/05/24 18:33
ABNL4	R1897417-4	ABNL4	11/05/24 18:56
ABNL3	R1897417-3	ABNL3	11/05/24 19:19
ABNL2	R1897417-2	ABNL2	11/05/24 19:42
ABNL1	R1897417-1	ABNL1	11/05/24 20:06
AP9L9	R1897417-27	AP9L9	11/05/24 20:29
AP9L8	R1897417-26	AP9L8	11/05/24 20:53
AP9L7	R1897417-25	AP9L7	11/05/24 21:16
AP9L6	R1897417-24	AP9L6	11/05/24 21:39
AP9L5	R1897417-23	AP9L5	11/05/24 22:03
AP9L4	R1897417-22	AP9L4	11/05/24 22:26
AP9L3	R1897417-21	AP9L3	11/05/24 22:49
AP9L2	R1897417-20	AP9L2	11/05/24 23:13
AP9L1	R1897417-19	AP9L1	11/05/24 23:36
ABN ICV Quant Report	R1897417-28	ABNICV	11/05/24 23:59
AP9 ICV Quant Report	R1897417-30	AP9ICV	11/06/24 00:23

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: DAKOTA	**Analysis Date**	: 11/06/24 00:46
Tune Standard	: R1897417-32	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.4
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	45.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	27.4
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	17.8
442	Base Peak, or >50% of mass 198	78.8
443	15.0 - 24.0% of mass 442	15.6 (19.8)2

1-Value is % of mass 69 2-Value is % of mass 442

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R1897417-18	ADPL9	11/06/24 01:10
ADPL8	R1897417-17	ADPL8	11/06/24 01:33
ADPL7	R1897417-16	ADPL7	11/06/24 01:56
ADPL6	R1897417-15	ADPL6	11/06/24 02:20
ADPL5	R1897417-14	ADPL5	11/06/24 02:43
ADPL4	R1897417-13	ADPL4	11/06/24 03:07
ADPL3	R1897417-12	ADPL3	11/06/24 03:30
ADPL2	R1897417-10	ADPL2	11/06/24 03:53
ADPL1	R1897417-11	ADPL1	11/06/24 04:17
ADP ICV Quant Report	R1897417-29	ADPICV	11/06/24 04:40

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Instrument ID	: DAKOTA	Analysis Date	: 11/21/24 20:28
Tune Standard	: WG1999667-1	Tune File ID	: DEG1121_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	37.3
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	47.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	26.2
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than 24% of mass 442	17.2
442	Base Peak, or >50% of mass 198	76.6
443	15.0 - 24.0% of mass 442	15.1 (19.7)2

1-Value is % of mass 69 2-Value is % of mass 442

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1999667-6TFACTOR-P	WG1999667-6	DEG1121	11/21/24 20:28
WG1999667-7TFACTOR-B	WG1999667-7	DEG1121	11/21/24 20:28
WG1999667-3CCAL	WG1999667-3	ABN1121	11/21/24 20:52
WG1999667-4CCAL	WG1999667-4	AP91121	11/21/24 21:15
WG1999667-5CCAL	WG1999667-5	ADP1121	11/21/24 21:39
WG2000366-1BLANK	WG2000366-1	000366-1	11/21/24 22:03
WG2000366-2LCS	WG2000366-2	000366-2	11/21/24 22:26
WG2000366-3LCSD	WG2000366-3	000366-3	11/21/24 22:50
MW18-04S	L2467254-01	67254-01	11/21/24 23:13
BD-20241114	L2467254-03	67254-03	11/21/24 23:37
MW08-05S	L2467254-04	67254-04	11/22/24 00:01
MW08-05D	L2467254-05	67254-05	11/22/24 00:24
MW93-1S	L2467254-09	67254-09	11/22/24 00:47
MW93-1D	L2467254-10	67254-10	11/22/24 01:11
WG2000366-4MS	WG2000366-4	000366-4	11/22/24 01:35
WG2000366-5MSD	WG2000366-5	000366-5	11/22/24 01:58
MW18-04D	L2467254-02	67254-02	11/22/24 02:22
MW93-2D	L2467254-06	67254-06	11/22/24 05:06
MW93-2S	L2467254-07	67254-07	11/22/24 05:30
MW08-08S	L2467254-08	67254-08	11/22/24 05:53
MW08-07S	L2467254-11	67254-11	11/22/24 06:17
MW08-07D	L2467254-12	67254-12	11/22/24 06:41
MW08-06S	L2467254-13	67254-13	11/22/24 07:04
MW08-06D	L2467254-14	67254-14	11/22/24 07:28
MW18-08D	L2467254-15	67254-15	11/22/24 07:51

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: SV112	**Analysis Date**	: 11/20/24 23:19:00
Sample No	: WG1999664-3	**Lab File ID**	: ABN1120N

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1999664-3	17736	4.75	64272	5.99	39047	7.69
Upper Limit	35472	5.25	128544	6.49	78094	8.19
Lower Limit	8868	4.25	32136	5.49	19524	7.19
Sample ID						
WG1999664-4 CCAL	20403	4.75	70453	5.99	39070	7.69
WG1999664-5 CCAL	22430	4.75	-	-	44935	7.69
WG1999910-1 BLANK	16207	4.75	59361	5.99	34757	7.69
WG1999910-2 LCS	16933	4.75	61519	5.99	37340	7.69
WG1999910-3 LCSD	18516	4.75	67519	5.99	40856	7.69

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: SV112	**Analysis Date**	: 11/20/24 23:19:00
Sample No	: WG1999664-3	**Lab File ID**	: ABN1120N

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1999664-3	83673	9.12	83909	11.75	98870	13.21
Upper Limit	167346	9.62	167818	12.25	197740	13.71
Lower Limit	41837	8.62	41955	11.25	49435	12.71
Sample ID						
WG1999664-4 CCAL	85684	9.12	-	-	-	-
WG1999664-5 CCAL	99594	9.12	-	-	-	-
WG1999910-1 BLANK	70819	9.12	75345	11.75	83131	13.21
WG1999910-2 LCS	75015	9.12	78941	11.75	89096	13.21
WG1999910-3 LCSD	82786	9.12	89308	11.75	101857	13.21

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: DAKOTA	**Analysis Date**	: 11/21/24 20:52:00
Sample No	: WG1999667-3	**Lab File ID**	: ABN1121

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1999667-3	36625	4.23	133133	5.47	83215	7.16
Upper Limit	73250	4.73	266266	5.97	166430	7.66
Lower Limit	18313	3.73	66567	4.97	41608	6.66
Sample ID						
WG1999667-4 CCAL	21746	4.23	81204	5.47	55117	7.16
WG1999667-5 CCAL	21708	4.23	-	-	52036	7.16
WG2000366-1 BLANK	27960	4.23	102262	5.47	64198	7.16
WG2000366-2 LCS	28342	4.23	102313	5.47	65503	7.16
WG2000366-3 LCSD	27477	4.23	104455	5.47	67396	7.16
MW18-04S	25222	4.23	91953	5.47	58126	7.16
BD-20241114	25535	4.23	94742	5.47	61355	7.16
MW08-05S	26454	4.23	98519	5.47	62905	7.16
MW08-05D	27104	4.23	98986	5.47	61558	7.16
MW93-1S	25014	4.23	92039	5.46	59174	7.16
MW93-1D	27975	4.23	103296	5.47	65106	7.16
MW18-04D MS	31683	4.23	118995	5.47	75221	7.16
MW18-04D MSD	33670	4.23	120753	5.47	77217	7.16
MW18-04D	28345	4.23	100099	5.47	63698	7.16
MW93-2D	19754	4.23	72682	5.47	48957	7.16
MW93-2S	27604	4.23	103303	5.47	65416	7.16
MW08-08S	20921	4.23	78301	5.47	52261	7.16
MW08-07S	23081	4.23	87098	5.46	57646	7.16
MW08-07D	25065	4.23	101598	5.46	69224	7.16
MW08-06S	21068	4.23	83034	5.46	57432	7.15
MW08-06D	23795	4.23	89505	5.47	59200	7.16
MW18-08D	25393	4.23	95126	5.47	61865	7.16

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Instrument ID	: DAKOTA	**Analysis Date**	: 11/21/24 20:52:00
Sample No	: WG1999667-3	**Lab File ID**	: ABN1121

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1999667-3	172652	8.57	200340	11.14	248466	12.55
Upper Limit	345304	9.07	400680	11.64	496932	13.05
Lower Limit	86326	8.07	100170	10.64	124233	12.05
Sample ID						
WG1999667-4 CCAL	122008	8.57	-	-	-	-
WG1999667-5 CCAL	118647	8.57	-	-	-	-
WG2000366-1 BLANK	143992	8.57	171566	11.13	205450	12.55
WG2000366-2 LCS	147698	8.57	181973	11.13	226587	12.55
WG2000366-3 LCSD	149696	8.57	173839	11.13	213328	12.55
MW18-04S	132993	8.57	158117	11.14	190264	12.55
BD-20241114	141165	8.57	178767	11.13	225454	12.55
MW08-05S	142406	8.57	165748	11.13	197281	12.55
MW08-05D	138881	8.57	159311	11.13	188640	12.55
MW93-1S	138217	8.57	170898	11.13	212351	12.55
MW93-1D	146515	8.57	167348	11.13	202792	12.55
MW18-04D MS	167090	8.57	181707	11.13	217795	12.55
MW18-04D MSD	166609	8.57	189840	11.14	221218	12.55
MW18-04D	147136	8.57	175828	11.13	214308	12.55
MW93-2D	116872	8.57	144294	11.13	176340	12.55
MW93-2S	144274	8.57	168331	11.13	202384	12.55
MW08-08S	122981	8.57	150547	11.13	186910	12.55
MW08-07S	133761	8.57	164874	11.13	202651	12.55
MW08-07D	152824	8.57	170601	11.13	201717	12.55
MW08-06S	142453	8.57	172914	11.13	205244	12.55
MW08-06D	144427	8.57	184214	11.13	216337	12.55
MW18-08D	150141	8.57	184361	11.13	213834	12.55

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

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

* Values outside of QC limits

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Created By: Jason Hebert
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ABN Extractables - EPA 8270E (RVT) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 100ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	2	0.403	ug/l	37-111	30	37-111	30	30			
Benzidine	92-87-5	20	6.01	ug/l	10-75	30	10-75	30	30			
1,2,4-Trichlorobenzene	120-82-1	5	0.977	ug/l	39-98	30	39-98	30	30			
Hexachlorobenzene	118-74-1	2	0.452	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethyl)ether	111-44-4	2	0.392	ug/l	40-140	30	40-140	30	30			
2-Chloronaphthalene	91-58-7	2	0.35	ug/l	40-140	30	40-140	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.329	ug/l	40-140	30	40-140	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.315	ug/l	40-140	30	40-140	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.391	ug/l	36-97	30	36-97	30	30			
3,3'-Dichlorobenzidine	91-94-1	5	1.85	ug/l	40-140	30	40-140	30	30			
2,4-Dinitrotoluene	121-14-2	5	0.541	ug/l	48-143	30	48-143	30	30			
2,6-Dinitrotoluene	606-20-2	5	0.845	ug/l	40-140	30	40-140	30	30			
Azobenzene	122-66-7	2	0.418	ug/l	40-140	30	40-140	30	30			
Fluoranthene	206-44-0	2	0.411	ug/l	40-140	30	40-140	30	30			
4-Chlorophenyl phenyl ether	7005-72-3	2	0.386	ug/l	40-140	30	40-140	30	30			
4-Bromophenyl phenyl ether	101-55-3	2	0.244	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroisopropyl)ether	108-60-1	2	0.403	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethoxy)methane	111-91-1	5	0.842	ug/l	40-140	30	40-140	30	30			
Hexachlorobutadiene	87-68-3	2	0.355	ug/l	40-140	30	40-140	30	30			
Hexachlorocyclopentadiene	77-47-4	20	1.23	ug/l	40-140	30	40-140	30	30			
Hexachloroethane	67-72-1	2	0.203	ug/l	40-140	30	40-140	30	30			
Isophorone	78-59-1	5	0.862	ug/l	40-140	30	40-140	30	30			
Naphthalene	91-20-3	2	0.542	ug/l	40-140	30	40-140	30	30			
Nitrobenzene	98-95-3	2	0.205	ug/l	40-140	30	40-140	30	30			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	2	0.924	ug/l	40-140	30	40-140	30	30			
n-Nitrosodi-n-propylamine	621-64-7	5	0.906	ug/l	29-132	30	29-132	30	30			
Bis(2-Ethylhexyl)phthalate	117-81-7	3	1.42	ug/l	40-140	30	40-140	30	30			
Butyl benzyl phthalate	85-68-7	5	2.61	ug/l	40-140	30	40-140	30	30			
Di-n-butylphthalate	84-74-2	5	0.957	ug/l	40-140	30	40-140	30	30			
Di-n-octylphthalate	117-84-0	5	2.26	ug/l	40-140	30	40-140	30	30			
Diethyl phthalate	84-66-2	5	0.765	ug/l	40-140	30	40-140	30	30			
Dimethyl phthalate	131-11-3	5	0.916	ug/l	40-140	30	40-140	30	30			
Benzo(a)anthracene	56-55-3	2	0.323	ug/l	40-140	30	40-140	30	30			
Benzo(a)pyrene	50-32-8	2	0.368	ug/l	40-140	30	40-140	30	30			
Benzo(b)fluoranthene	205-99-2	2	0.533	ug/l	40-140	30	40-140	30	30			
Benzo(k)fluoranthene	207-08-9	2	0.621	ug/l	40-140	30	40-140	30	30			
Chrysene	218-01-9	2	0.222	ug/l	40-140	30	40-140	30	30			
Acenaphthylene	208-96-8	2	0.315	ug/l	45-123	30	45-123	30	30			
Anthracene	120-12-7	2	0.467	ug/l	40-140	30	40-140	30	30			
Benzo(ghi)perylene	191-24-2	2	0.369	ug/l	40-140	30	40-140	30	30			
Fluorene	86-73-7	2	0.439	ug/l	40-140	30	40-140	30	30			
Phenanthrene	85-01-8	2	0.419	ug/l	40-140	30	40-140	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.

Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
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ABN Extractables - EPA 8270E (RVT) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 100ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibenzo(a,h)anthracene	53-70-3	2	0.286	ug/l	40-140	30	40-140	30	30			
Indeno(1,2,3-cd)Pyrene	193-39-5	2	0.484	ug/l	40-140	30	40-140	30	30			
Pyrene	129-00-0	2	0.407	ug/l	26-127	30	26-127	30	30			
Biphenyl	92-52-4	2	0.196	ug/l	40-140	30	40-140	30	30			
Aniline	62-53-3	2	0.67	ug/l	40-140	30	40-140	30	30			
4-Chloroaniline	106-47-8	5	0.468	ug/l	40-140	30	40-140	30	30			
1-Methylnaphthalene	90-12-0	2	0.415	ug/l	41-103	30	41-103	30	30			
2-Nitroaniline	88-74-4	5	1.03	ug/l	52-143	30	52-143	30	30			
3-Nitroaniline	99-09-2	5	1.16	ug/l	25-145	30	25-145	30	30			
4-Nitroaniline	100-01-6	5	1.45	ug/l	51-143	30	51-143	30	30			
Dibenzofuran	132-64-9	2	0.401	ug/l	40-140	30	40-140	30	30			
2-Methylnaphthalene	91-57-6	2	0.372	ug/l	40-140	30	40-140	30	30			
n-Nitrosodimethylamine	62-75-9	2	0.44	ug/l	22-74	30	22-74	30	30			
2,4,6-Trichlorophenol	88-06-2	5	2.09	ug/l	30-130	30	30-130	30	30			
P-Chloro-M-Cresol	59-50-7	2	0.606	ug/l	23-97	30	23-97	30	30			
2-Chlorophenol	95-57-8	2	0.653	ug/l	27-123	30	27-123	30	30			
2,4-Dichlorophenol	120-83-2	5	1.7	ug/l	30-130	30	30-130	30	30			
2,4-Dimethylphenol	105-67-9	5	2.04	ug/l	30-130	30	30-130	30	30			
2-Nitrophenol	88-75-5	10	1.95	ug/l	30-130	30	30-130	30	30			
4-Nitrophenol	100-02-7	10	1.42	ug/l	10-80	30	10-80	30	30			
2,4-Dinitrophenol	51-28-5	20	5.42	ug/l	20-130	30	20-130	30	30			
4,6-Dinitro-o-cresol	534-52-1	10	2.31	ug/l	20-164	30	20-164	30	30			
Pentachlorophenol	87-86-5	10	2.51	ug/l	9-103	30	9-103	30	30			
Phenol	108-95-2	5	0.35	ug/l	12-110	30	12-110	30	30			
2-Methylphenol	95-48-7	5	2.31	ug/l	30-130	30	30-130	30	30			
3-Methylphenol/4-Methylphenol	106-44-5	5	1.39	ug/l	30-130	30	30-130	30	30			
2,4,5-Trichlorophenol	95-95-4	5	2.07	ug/l	30-130	30	30-130	30	30			
Benzoic Acid	65-85-0	50	2.62	ug/l	10-164	30	10-164	30	30			
Benzyl Alcohol	100-51-6	2	0.381	ug/l	26-116	30	26-116	30	30			
Carbazole	86-74-8	2	0.309	ug/l	55-144	30	55-144	30	30			
Pyridine	110-86-1	3.5	0.308	ug/l	10-66	30	10-66	30	30			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-01	Date Collected	: 11/14/24 09:35
Client ID	: MW18-04S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/21/24 23:13
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-01	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-02	Date Collected	: 11/14/24 10:40
Client ID	: MW18-04D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 02:22
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-02	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-03	Date Collected	: 11/14/24 00:00
Client ID	: BD-20241114	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/21/24 23:37
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-03	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-04	Date Collected	: 11/14/24 12:10
Client ID	: MW08-05S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 00:01
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-04	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-05	Date Collected	: 11/14/24 13:10
Client ID	: MW08-05D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 00:24
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-05	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-06	Date Collected	: 11/15/24 09:45
Client ID	: MW93-2D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 05:06
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-06	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-07	Date Collected	: 11/15/24 10:40
Client ID	: MW93-2S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 05:30
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-07	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-08	Date Collected	: 11/15/24 11:40
Client ID	: MW08-08S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 05:53
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-08	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-09	Date Collected	: 11/14/24 09:35
Client ID	: MW93-1S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 00:47
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-09	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	1.4	2.0	0.41	J
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	0.90	2.0	0.32	J
50-32-8	Benzo(a)pyrene	1.3	2.0	0.37	J
205-99-2	Benzo(b)fluoranthene	2.0	2.0	0.53	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	0.83	2.0	0.22	J
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	1.2	2.0	0.37	J
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.2	2.0	0.48	J
129-00-0	Pyrene	1.2	2.0	0.41	J

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-10	Date Collected	: 11/14/24 10:45
Client ID	: MW93-1D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 01:11
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-10	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-11	Date Collected	: 11/15/24 08:45
Client ID	: MW08-07S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 06:17
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-11	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-12	Date Collected	: 11/15/24 12:20
Client ID	: MW08-07D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 06:41
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-12	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-13	Date Collected	: 11/15/24 09:55
Client ID	: MW08-06S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 07:04
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-13	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-14	Date Collected	: 11/15/24 10:45
Client ID	: MW08-06D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 07:28
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-14	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-15	Date Collected	: 11/15/24 11:50
Client ID	: MW18-08D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 07:51
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-15	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: WG1999910-1	Date Collected	: NA
Client ID	: WG1999910-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/21/24 00:28
Sample Matrix	: WATER	Date Extracted	: 11/20/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 999910-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: WG2000366-1	Date Collected	: NA
Client ID	: WG2000366-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/21/24 22:03
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 000366-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-01.D
Acq On : 21 Nov 2024 11:13 pm
Operator : Dakota:smz
Sample : L2467254-01,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 22 09:57:53 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.226	152	25222	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 68.87%			
37) IS1_Naphthalene-d8	5.467	136	91953	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 69.07%			
65) IS1_Acenaphthene-d10	7.157	164	58126	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 69.85%			
90) IS1_Phenanthrene-d10	8.568	188	132993	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 77.03%			
106) IS1_Chrysene-d12	11.136	240	158117	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 78.92%			
115) IS1_Perylene-d12	12.553	264	190264	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 76.58%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.783	82	3891	0.516	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 51.60%			
48) 2-Fluorobiphenyl	6.539	172	11287	0.496	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 49.60%			
98) 4-Terphenyl-d14	10.138	244	24835	0.645	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.50%			

Target Compounds				Qvalue
38) Naphthalene	0.000	0	N.D.	
54) Acenaphthylene	0.000	0	N.D.	
67) Acenaphthene	0.000	0	N.D.	
75) Fluorene	0.000	0	N.D.	
91) Phenanthrene	0.000	0	N.D.	
92) Anthracene	0.000	0	N.D.	
95) Fluoranthene	0.000	0	N.D.	
97) Pyrene	0.000	0	N.D.	
107) Benzo(a)anthracene	0.000	0	N.D.	
109) Chrysene	0.000	0	N.D.	
112) Benzo(b)fluoranthene	0.000	0	N.D.	
113) Benzo(k)fluoranthene	0.000	0	N.D.	
114) Benzo(a)pyrene	0.000	0	N.D.	d
116) Indeno(1,2,3-cd)pyrene	0.000	0	N.D.	

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-01.D
Acq On : 21 Nov 2024 11:13 pm
Operator : Dakota:smz
Sample : L2467254-01,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 22 09:57:53 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D.	

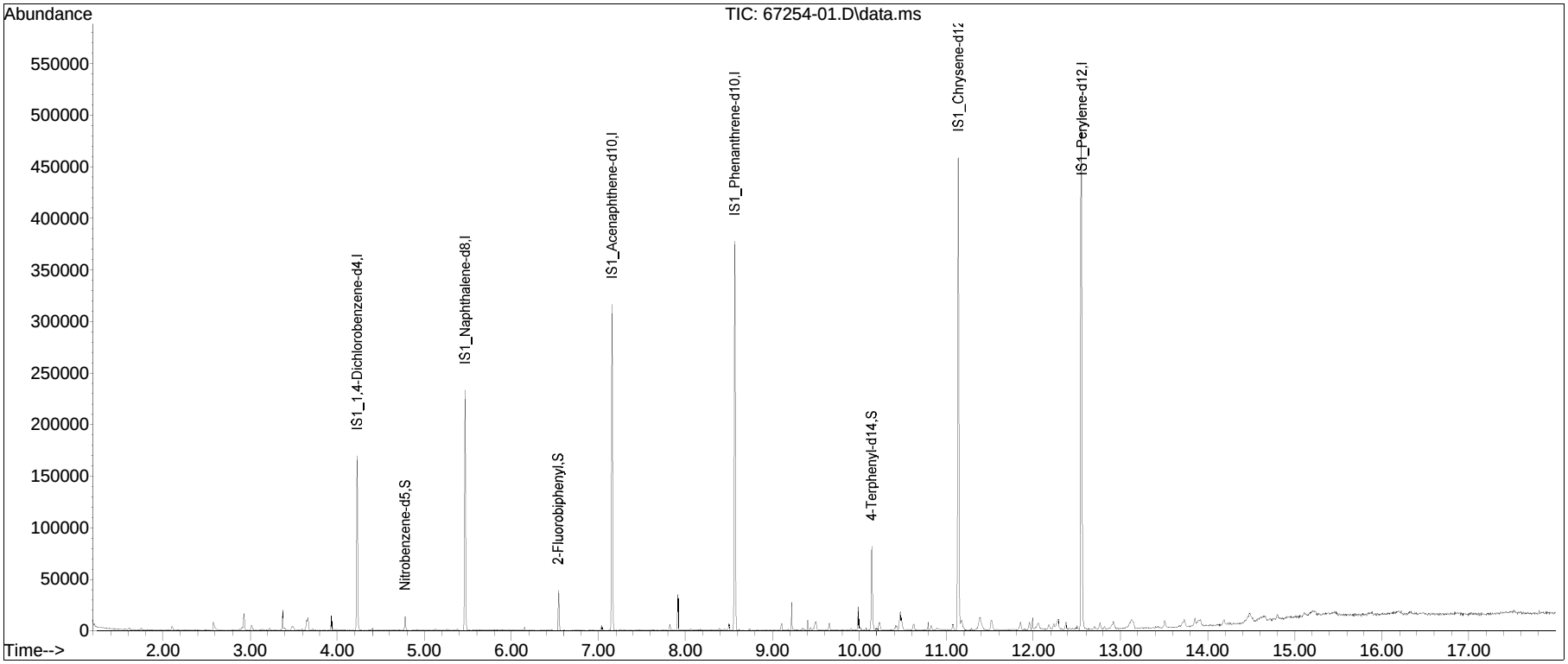
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-01.D
Acq On : 21 Nov 2024 11:13 pm
Operator : Dakota:smz
Sample : L2467254-01,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 22 09:57:53 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67254-01.D	Operator	: Dakota:smz
Date Inj'd	: 11/21/2024 11:13 pm	Instrument	: Dakota
Sample	: L2467254-01,32,,ASK	Quant Date	: 11/21/2024 11:31 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-03.D
Acq On : 21 Nov 2024 11:37 pm
Operator : Dakota:smz
Sample : L2467254-03,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 09:58:15 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.226	152	25535	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 69.72%			
37) IS1_Naphthalene-d8	5.467	136	94742	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 71.16%			
65) IS1_Acenaphthene-d10	7.157	164	61355	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 73.73%			
90) IS1_Phenanthrene-d10	8.568	188	141165	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 81.76%			
106) IS1_Chrysene-d12	11.133	240	178767	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 89.23%			
115) IS1_Perylene-d12	12.553	264	225454	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 90.74%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.780	82	4778	0.626	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 62.60%			
48) 2-Fluorobiphenyl	6.542	172	13643	0.582	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 58.20%			
98) 4-Terphenyl-d14	10.141	244	28996	0.710	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.00%			
Target Compounds						Qvalue
38) Naphthalene	0.000		0	N.D.		
54) Acenaphthylene	0.000		0	N.D.		
67) Acenaphthene	0.000		0	N.D.		
75) Fluorene	0.000		0	N.D.		
91) Phenanthrene	0.000		0	N.D.		
92) Anthracene	0.000		0	N.D.		
95) Fluoranthene	0.000		0	N.D.	d	
97) Pyrene	0.000		0	N.D.	d	
107) Benzo(a)anthracene	0.000		0	N.D.	d	
109) Chrysene	0.000		0	N.D.	d	
112) Benzo(b)fluoranthene	0.000		0	N.D.	d	
113) Benzo(k)fluoranthene	0.000		0	N.D.	d	
114) Benzo(a)pyrene	0.000		0	N.D.	d	
116) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.	d	

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-03.D
Acq On : 21 Nov 2024 11:37 pm
Operator : Dakota:smz
Sample : L2467254-03,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 09:58:15 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D. d	

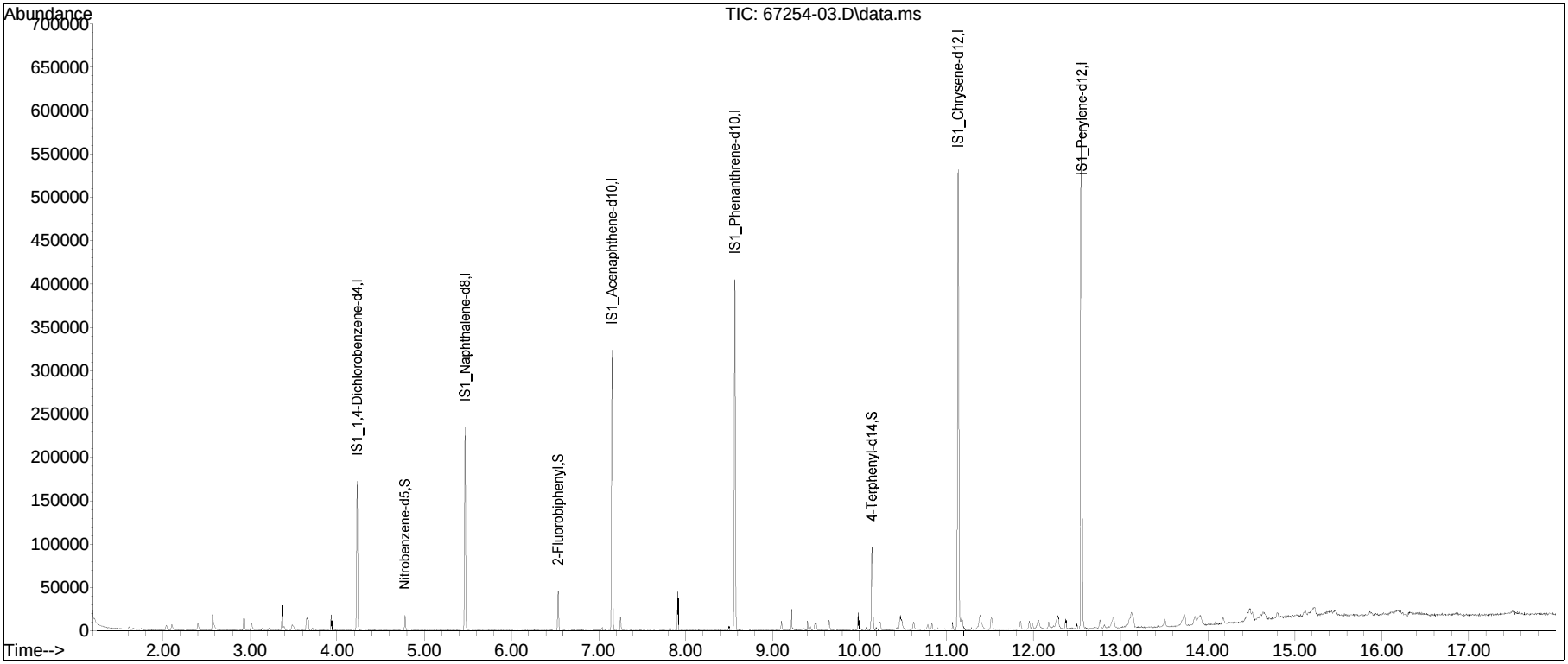
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-03.D
Acq On : 21 Nov 2024 11:37 pm
Operator : Dakota:smz
Sample : L2467254-03,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 09:58:15 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67254-03.D	Operator	: Dakota:smz
Date Inj'd	: 11/21/2024 11:37 pm	Instrument	: Dakota
Sample	: L2467254-03,32,,ASK	Quant Date	: 11/21/2024 11:56 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-04.D
Acq On : 22 Nov 2024 12:01 am
Operator : Dakota:smz
Sample : L2467254-04,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 09:58:21 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.227	152	26454	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 72.23%			
37) IS1_Naphthalene-d8	5.467	136	98519	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 74.00%			
65) IS1_Acenaphthene-d10	7.158	164	62905	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 75.59%			
90) IS1_Phenanthrene-d10	8.569	188	142406	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 82.48%			
106) IS1_Chrysene-d12	11.133	240	165748	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 82.73%			
115) IS1_Perylene-d12	12.550	264	197281	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 79.40%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.783	82	4929	0.624	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 62.40%			
48) 2-Fluorobiphenyl	6.539	172	13082	0.536	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 53.60%			
98) 4-Terphenyl-d14	10.138	244	27819	0.675	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.50%			
Target Compounds						Qvalue
38) Naphthalene	0.000		0	N.D.		
54) Acenaphthylene	0.000		0	N.D.		
67) Acenaphthene	0.000		0	N.D.		
75) Fluorene	0.000		0	N.D.		
91) Phenanthrene	0.000		0	N.D.		
92) Anthracene	0.000		0	N.D.		
95) Fluoranthene	0.000		0	N.D.		
97) Pyrene	0.000		0	N.D.		
107) Benzo(a)anthracene	0.000		0	N.D.		
109) Chrysene	0.000		0	N.D.		
112) Benzo(b)fluoranthene	0.000		0	N.D.		
113) Benzo(k)fluoranthene	0.000		0	N.D.		
114) Benzo(a)pyrene	0.000		0	N.D.	d	
116) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-04.D
Acq On : 22 Nov 2024 12:01 am
Operator : Dakota:smz
Sample : L2467254-04,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 09:58:21 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D.	

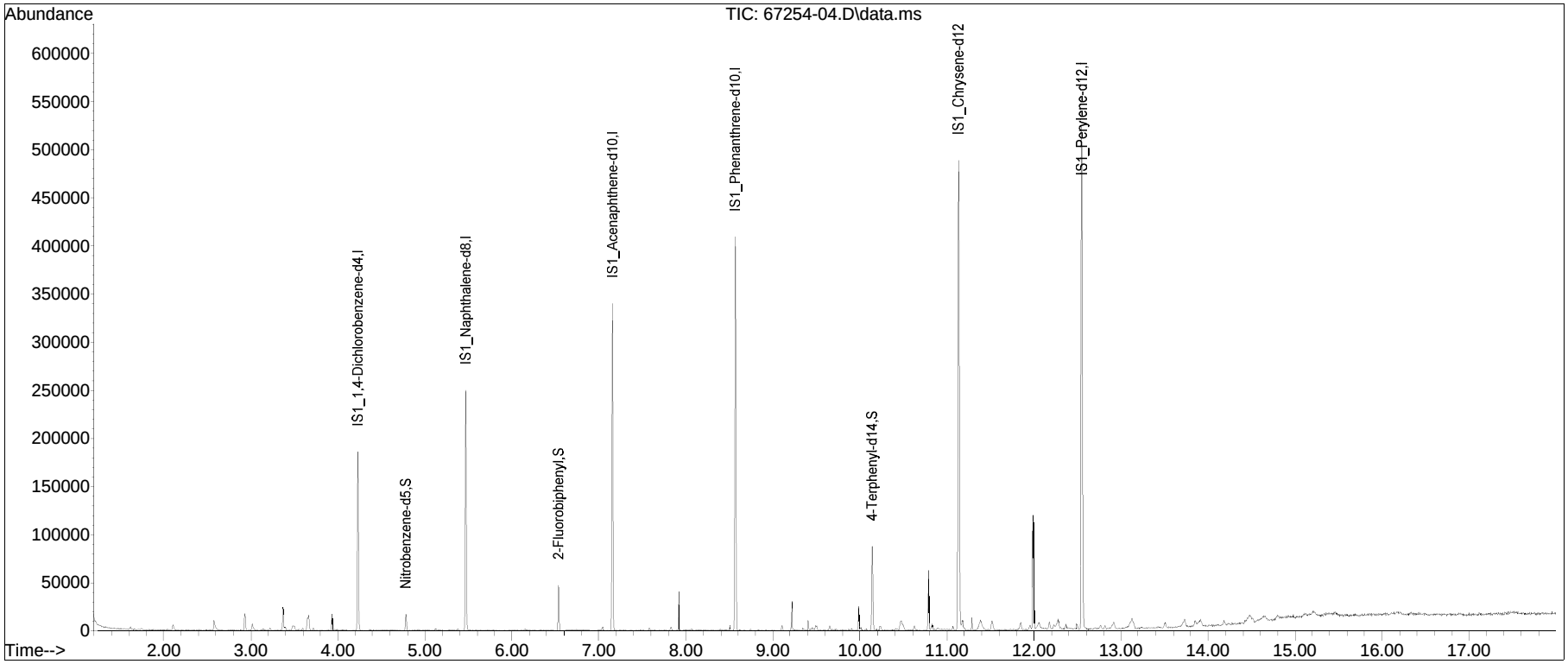
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-04.D
Acq On : 22 Nov 2024 12:01 am
Operator : Dakota:smz
Sample : L2467254-04,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 09:58:21 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67254-04.D	Operator	: Dakota:smz
Date Inj'd	: 11/22/2024 12:01 am	Instrument	: Dakota
Sample	: L2467254-04,32,,ASK	Quant Date	: 11/22/2024 0:19 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-05.D
Acq On : 22 Nov 2024 12:24 am
Operator : Dakota:smz
Sample : L2467254-05,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 09:58:28 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.227	152	27104	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 74.00%			
37) IS1_Naphthalene-d8	5.467	136	98986	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 74.35%			
65) IS1_Acenaphthene-d10	7.157	164	61558	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 73.97%			
90) IS1_Phenanthrene-d10	8.569	188	138881	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 80.44%			
106) IS1_Chrysene-d12	11.133	240	159311	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 79.52%			
115) IS1_Perylene-d12	12.550	264	188640	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 75.92%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.783	82	4740	0.585	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 58.50%			
48) 2-Fluorobiphenyl	6.539	172	13344	0.545	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 54.50%			
98) 4-Terphenyl-d14	10.138	244	24873	0.619	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 61.90%			
Target Compounds						Qvalue
38) Naphthalene	0.000		0	N.D.		
54) Acenaphthylene	0.000		0	N.D.		
67) Acenaphthene	0.000		0	N.D.		
75) Fluorene	0.000		0	N.D.		
91) Phenanthrene	0.000		0	N.D.		
92) Anthracene	0.000		0	N.D.		
95) Fluoranthene	0.000		0	N.D.		
97) Pyrene	0.000		0	N.D.		
107) Benzo(a)anthracene	0.000		0	N.D.		
109) Chrysene	0.000		0	N.D.		
112) Benzo(b)fluoranthene	0.000		0	N.D.		
113) Benzo(k)fluoranthene	0.000		0	N.D.		
114) Benzo(a)pyrene	0.000		0	N.D.	d	
116) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-05.D
Acq On : 22 Nov 2024 12:24 am
Operator : Dakota:smz
Sample : L2467254-05,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 09:58:28 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D.	

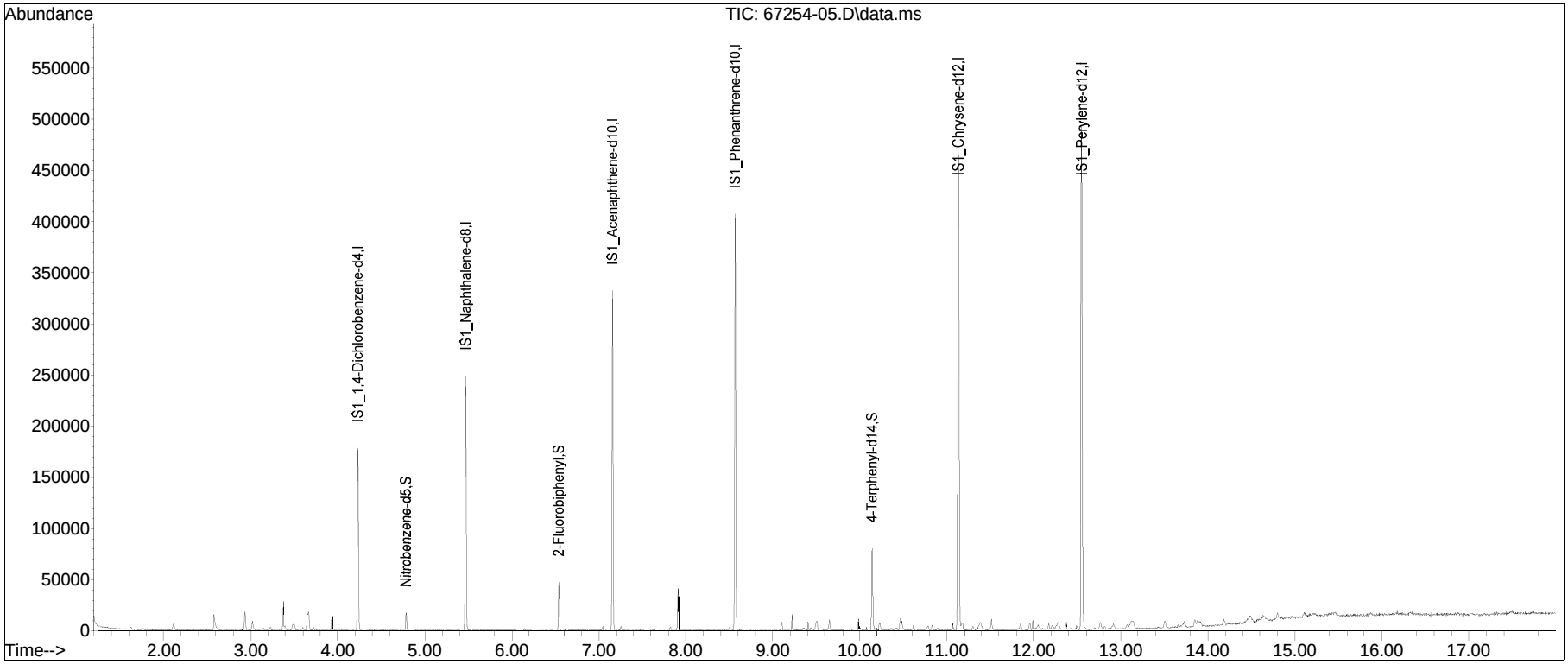
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-05.D
Acq On : 22 Nov 2024 12:24 am
Operator : Dakota:smz
Sample : L2467254-05,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 09:58:28 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67254-05.D	Operator	: Dakota:smz
Date Inj'd	: 11/22/2024 12:24 am	Instrument	: Dakota
Sample	: L2467254-05,32,,ASK	Quant Date	: 11/22/2024 0:42 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-09.D
Acq On : 22 Nov 2024 12:47 am
Operator : Dakota:smz
Sample : L2467254-09,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 09:59:37 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.227	152	25014	4.000	ug/ml		0.00
Standard Area 1 = 36625			Recovery = 68.30%				
37) IS1_Naphthalene-d8	5.464	136	92039	4.000	ug/ml	#	0.00
Standard Area 1 = 133133			Recovery = 69.13%				
65) IS1_Acenaphthene-d10	7.157	164	59174	4.000	ug/ml		0.00
Standard Area 1 = 83215			Recovery = 71.11%				
90) IS1_Phenanthrene-d10	8.569	188	138217	4.000	ug/ml		0.00
Standard Area 1 = 172652			Recovery = 80.06%				
106) IS1_Chrysene-d12	11.133	240	170898	4.000	ug/ml		0.00
Standard Area 1 = 200340			Recovery = 85.30%				
115) IS1_Perylene-d12	12.550	264	212351	4.000	ug/ml		0.00
Standard Area 1 = 248466			Recovery = 85.46%				
System Monitoring Compounds							
19) Nitrobenzene-d5	4.780	82	4908	0.657	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.70%				
48) 2-Fluorobiphenyl	6.539	172	13499	0.593	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 59.30%				
98) 4-Terphenyl-d14	10.138	244	27404	0.685	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.50%				
Target Compounds							Qvalue
38) Naphthalene	0.000		0	N.D.			
54) Acenaphthylene	0.000		0	N.D.	d		
67) Acenaphthene	0.000		0	N.D.			
75) Fluorene	0.000		0	N.D.			
91) Phenanthrene	0.000		0	N.D.	d		
92) Anthracene	0.000		0	N.D.	d		
95) Fluoranthene	9.728	202	6662	0.136	ug/ml	#	91
97) Pyrene	9.936	202	6223	0.119	ug/ml		95
107) Benzo(a)anthracene	11.127	228	5233M3	0.090	ug/ml		
109) Chrysene	11.161	228	4787	0.083	ug/ml		96
112) Benzo(b)fluoranthene	12.193	252	12063	0.199	ug/ml		100
113) Benzo(k)fluoranthene	0.000		0	N.D.	d		
114) Benzo(a)pyrene	12.494	252	7185M2	0.133	ug/ml		
116) Indeno(1,2,3-cd)pyrene	13.479	276	7850M3	0.120	ug/mL		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-09.D
Acq On : 22 Nov 2024 12:47 am
Operator : Dakota:smz
Sample : L2467254-09,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 09:59:37 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117)	Dibenzo(a,h)anthracene	0.000		0	N.D.	d	
118)	Benzo(ghi)perylene	13.691	276	7603	0.120	ug/ml#	88

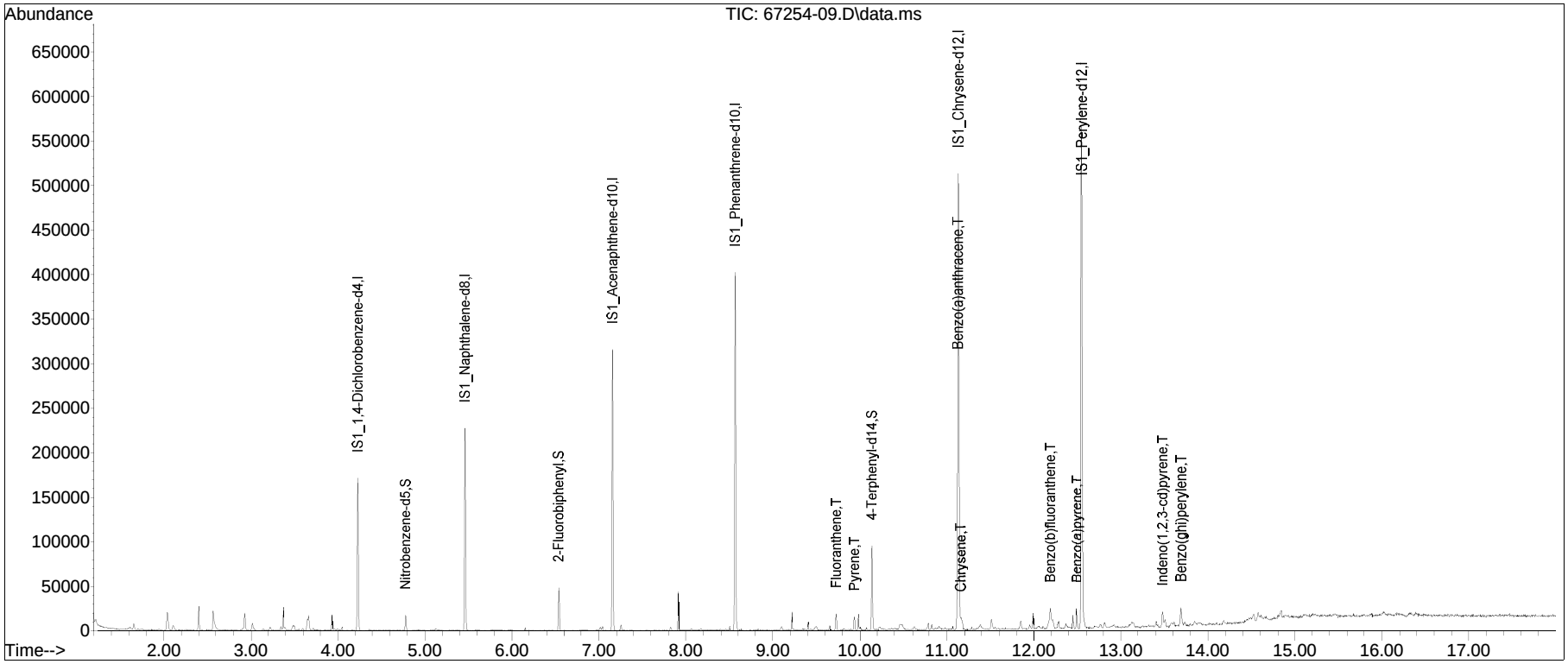
(#) = qualifier out of range (m) = manual integration (+) = signals summed

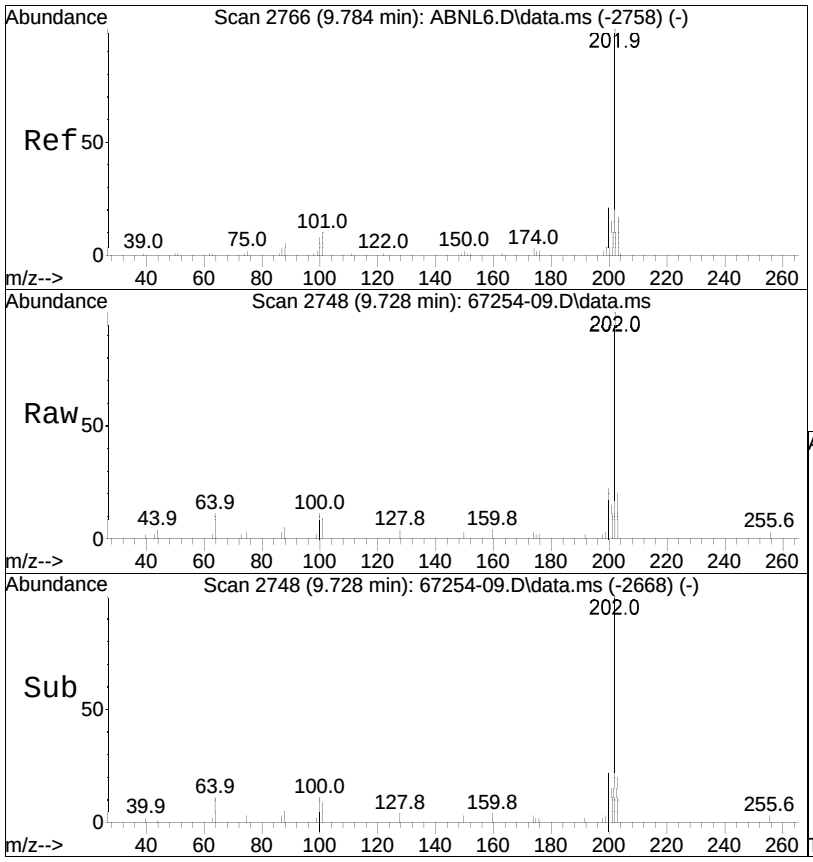
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-09.D
Acq On : 22 Nov 2024 12:47 am
Operator : Dakota:smz
Sample : L2467254-09,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 09:59:37 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•

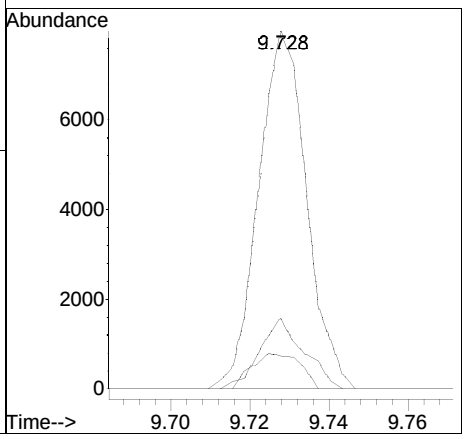


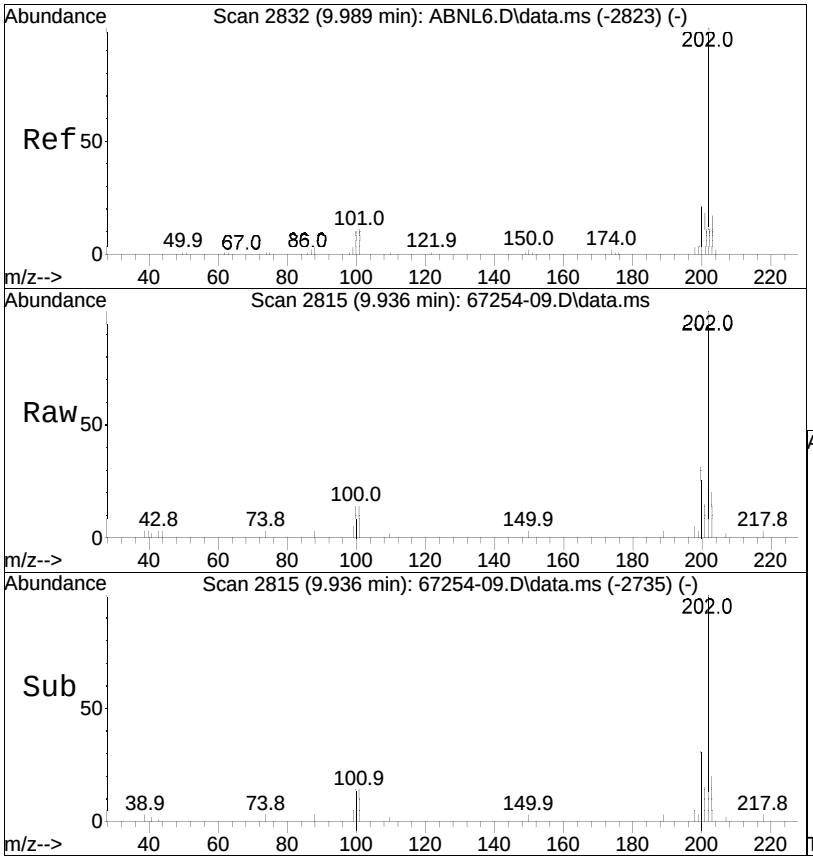


#95
Fluoranthene
Concen: 0.14 ug/ml
RT: 9.728 min Scan# 2748
Delta R.T. -0.000 min
Lab File: 67254-09.D
Acq: 22 Nov 2024 12:47 am

Tgt Ion:202 Resp: 6662

Ion	Ratio	Lower	Upper
202	100		
101	10.1	13.5	20.3#
203	18.1	13.6	20.4

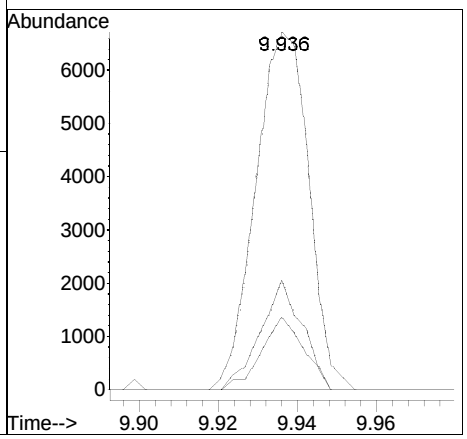


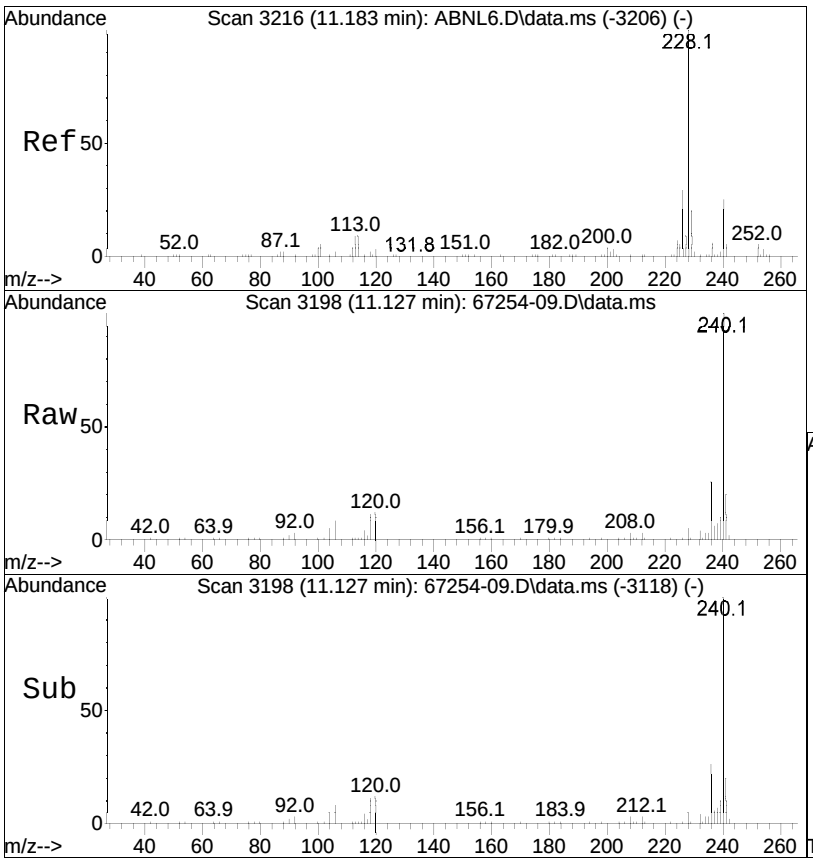


#97
Pyrene
Concen: 0.12 ug/ml
RT: 9.936 min Scan# 2815
Delta R.T. -0.000 min
Lab File: 67254-09.D
Acq: 22 Nov 2024 12:47 am

Tgt Ion:202 Resp: 6223

Ion	Ratio	Lower	Upper
202	100		
200	24.2	16.7	25.1
203	16.4	14.2	21.4

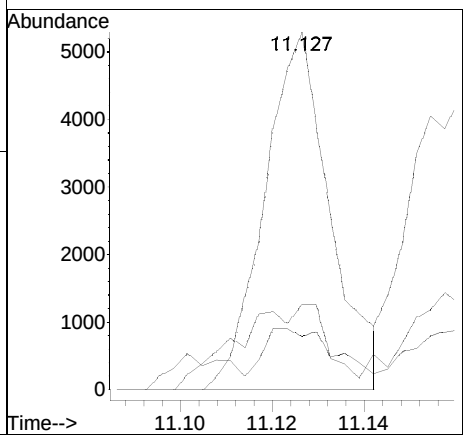


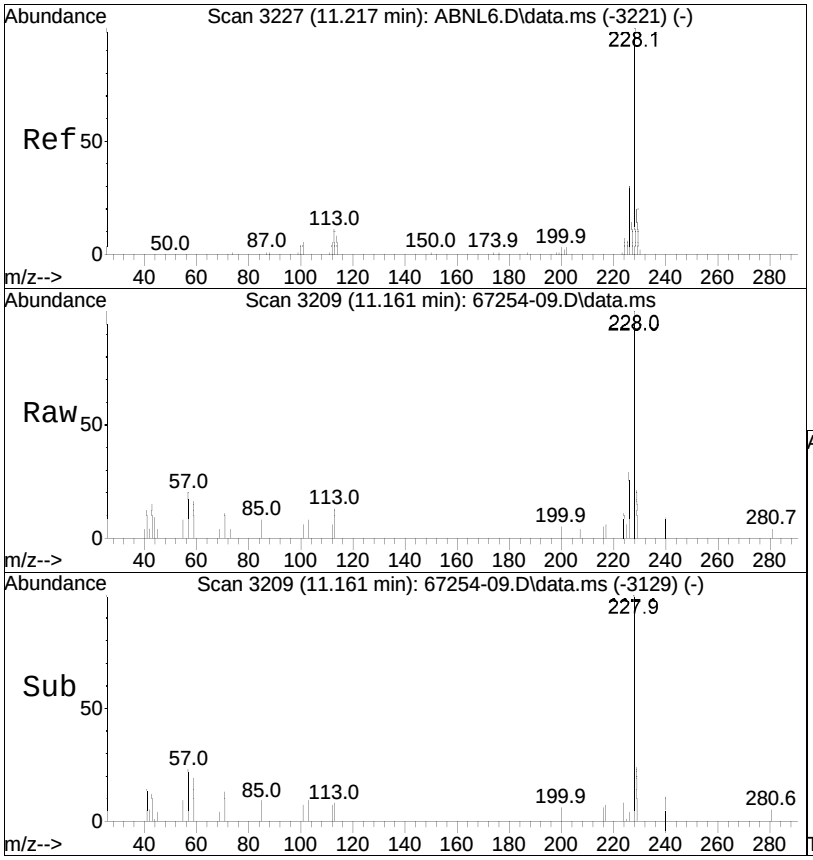


#107
Benzo(a)anthracene
Concen: 0.09 ug/ml M3
RT: 11.127 min Scan# 3198
Delta R.T. -0.000 min
Lab File: 67254-09.D
Acq: 22 Nov 2024 12:47 am

Tgt Ion:228 Resp: 5233

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.2	33.4
229	19.5	15.6	23.4

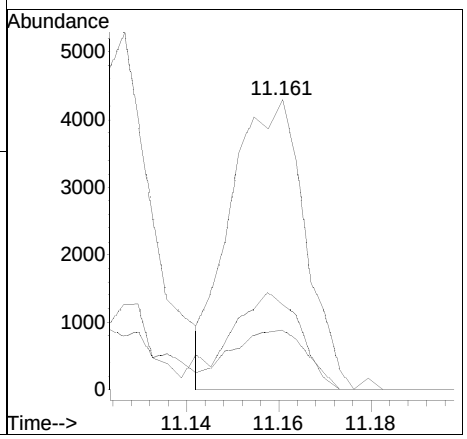


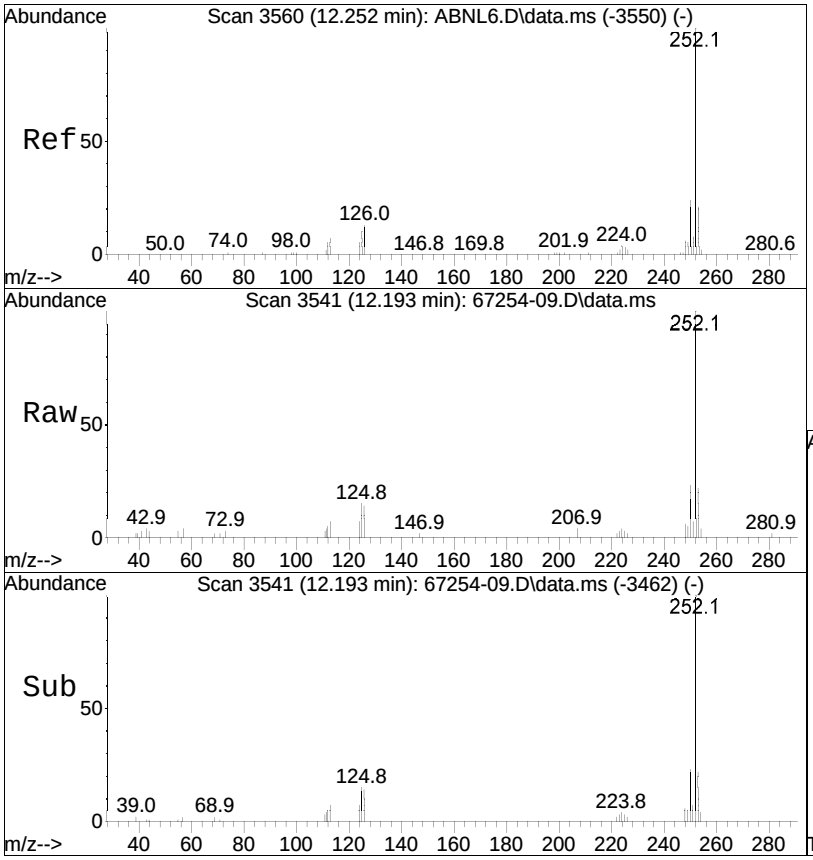


#109
Chrysene
Concen: 0.08 ug/ml
RT: 11.161 min Scan# 3209
Delta R.T. -0.000 min
Lab File: 67254-09.D
Acq: 22 Nov 2024 12:47 am

Tgt Ion:228 Resp: 4787

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.0	36.0
229	21.3	15.8	23.8

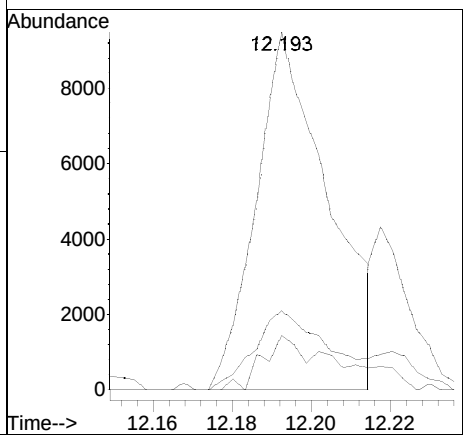


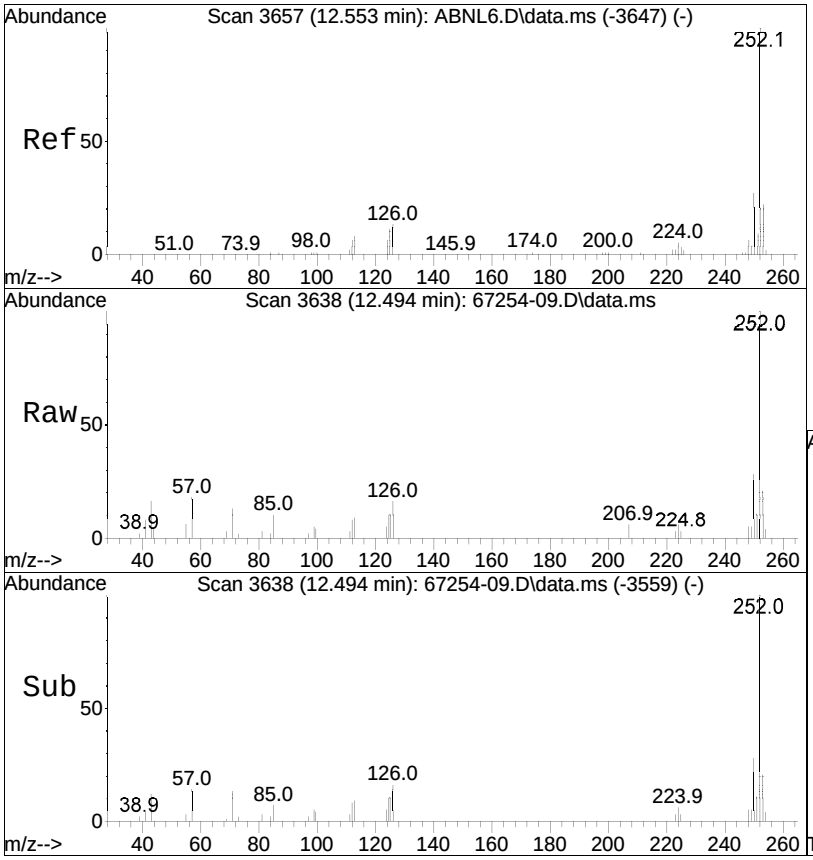


#112
Benzo(b)fluoranthene
Concen: 0.20 ug/ml
RT: 12.193 min Scan# 3541
Delta R.T. -0.003 min
Lab File: 67254-09.D
Acq: 22 Nov 2024 12:47 am

Tgt Ion:252 Resp: 12063

Ion	Ratio	Lower	Upper
252	100		
125	16.6	13.3	19.9
253	21.8	17.1	25.7

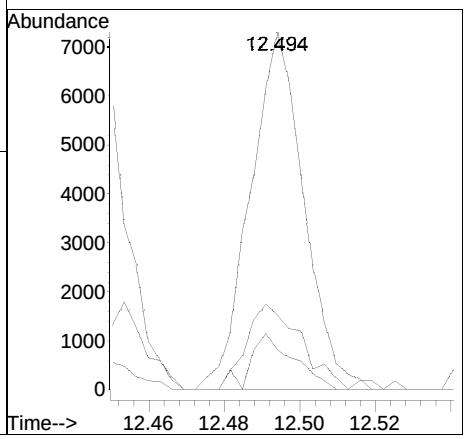


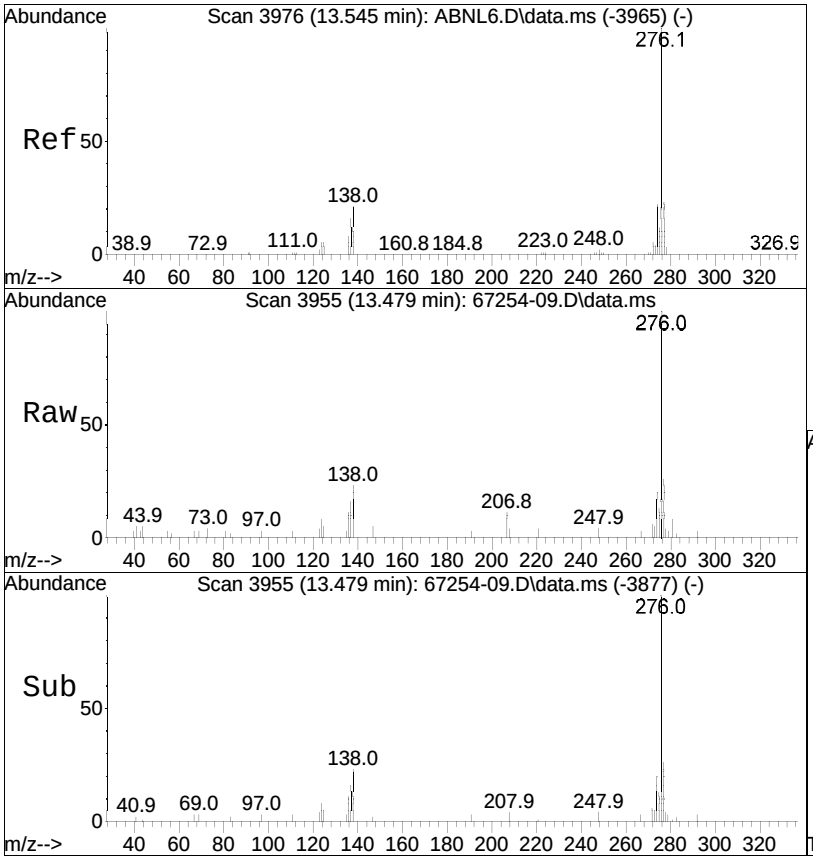


#114
Benzo(a)pyrene
Concen: 0.13 ug/ml M2
RT: 12.494 min Scan# 3638
Delta R.T. -0.003 min
Lab File: 67254-09.D
Acq: 22 Nov 2024 12:47 am

Tgt Ion:252 Resp: 7185

Ion	Ratio	Lower	Upper
252	100		
125	0.0	14.2	21.2#
253	0.0	16.9	25.3#

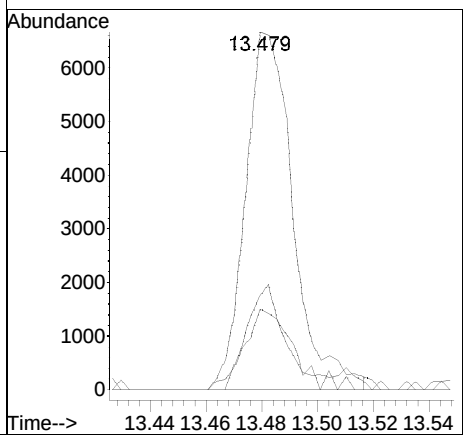


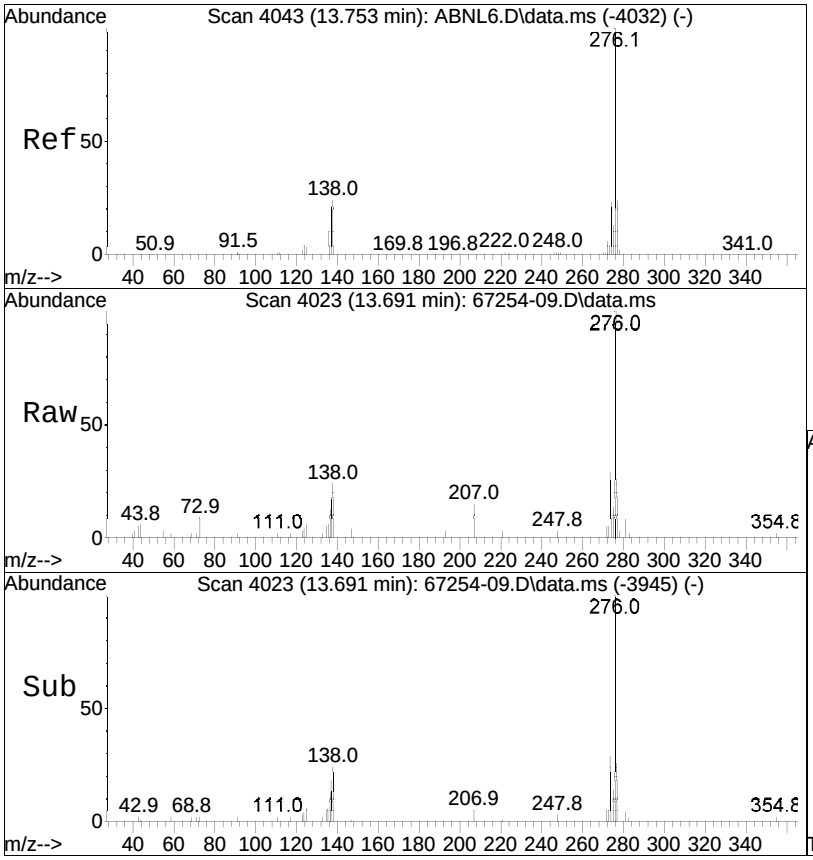


#116
Indeno(1,2,3-cd)pyrene
Concen: 0.12 ug/mL M3
RT: 13.479 min Scan# 3955
Delta R.T. -0.006 min
Lab File: 67254-09.D
Acq: 22 Nov 2024 12:47 am

Tgt Ion:276 Resp: 7850

Ion	Ratio	Lower	Upper
276	100		
138	25.9	25.1	37.7
277	25.4	18.6	28.0

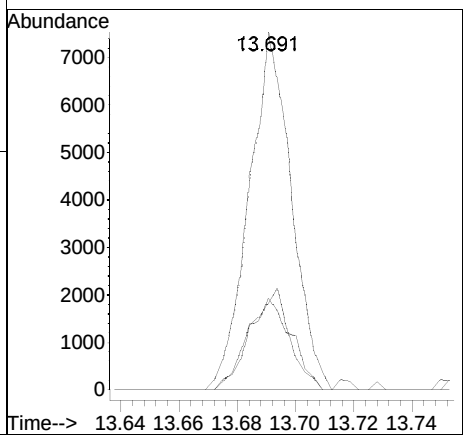




#118
Benzo(ghi)perylene
Concen: 0.12 ug/ml
RT: 13.691 min Scan# 4023
Delta R.T. -0.006 min
Lab File: 67254-09.D
Acq: 22 Nov 2024 12:47 am

Tgt Ion:276 Resp: 7603

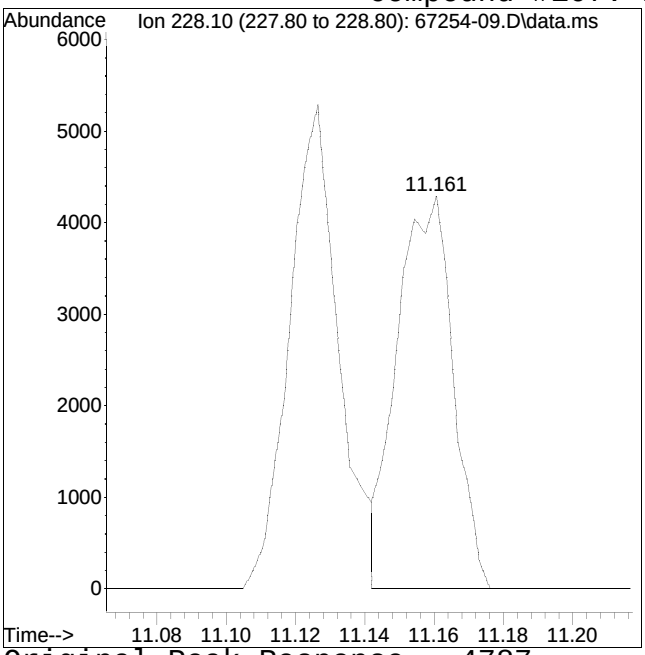
Ion	Ratio	Lower	Upper
276	100		
138	26.7	29.2	43.8#
277	26.3	18.8	28.2

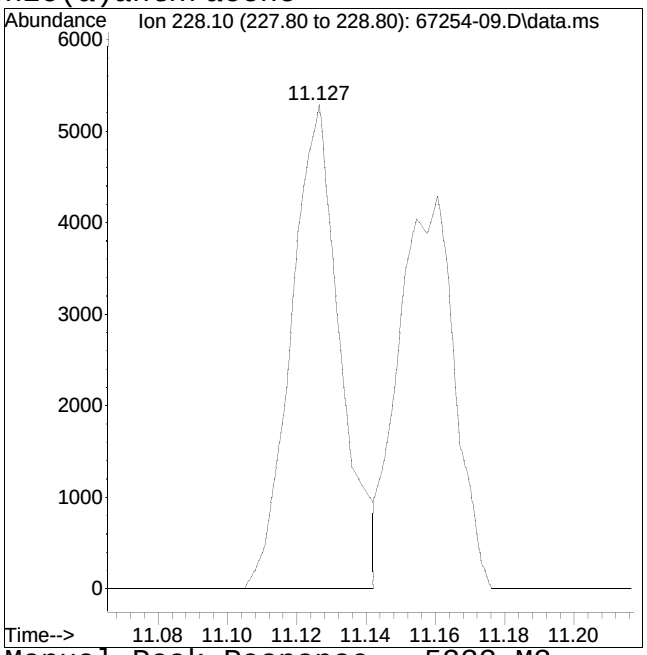


Manual Integration Report

Data Path : I:\8270\Dakota\241121RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 67254-09.D Operator : Dakota:smz
Date Inj'd : 11/22/2024 12:47 am Instrument : Dakota
Sample : L2467254-09,32,,ASK Quant Date : 11/22/2024 1:06 am

Compound #107: Benzo(a)anthracene





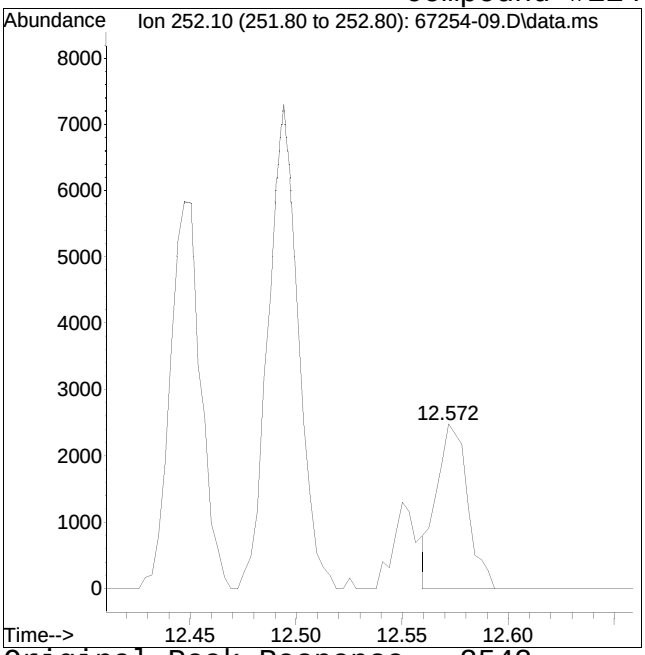
Original Peak Response = 4787 Manual Peak Response = 5233 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

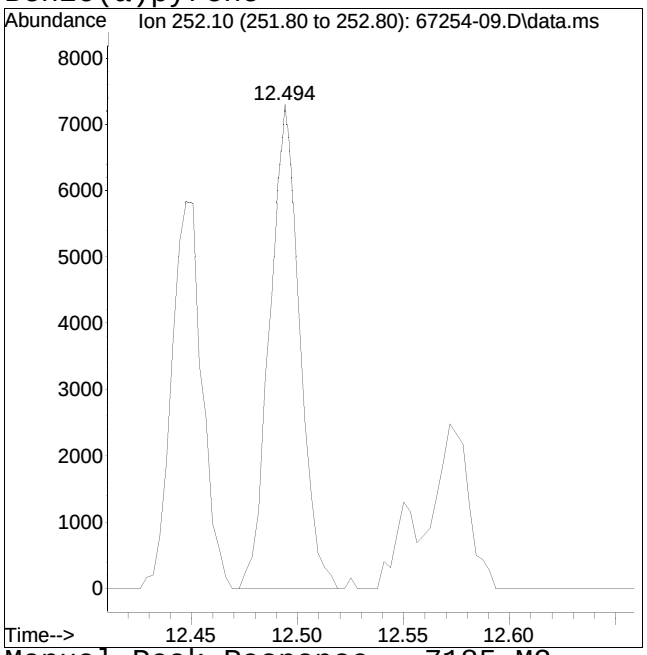
Manual Integration Report

Data Path : I:\8270\Dakota\241121RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 67254-09.D Operator : Dakota:smz
Date Inj'd : 11/22/2024 12:47 am Instrument : Dakota
Sample : L2467254-09,32,,ASK Quant Date : 11/22/2024 1:06 am

Compound #114: Benzo(a)pyrene



Original Peak Response = 2542



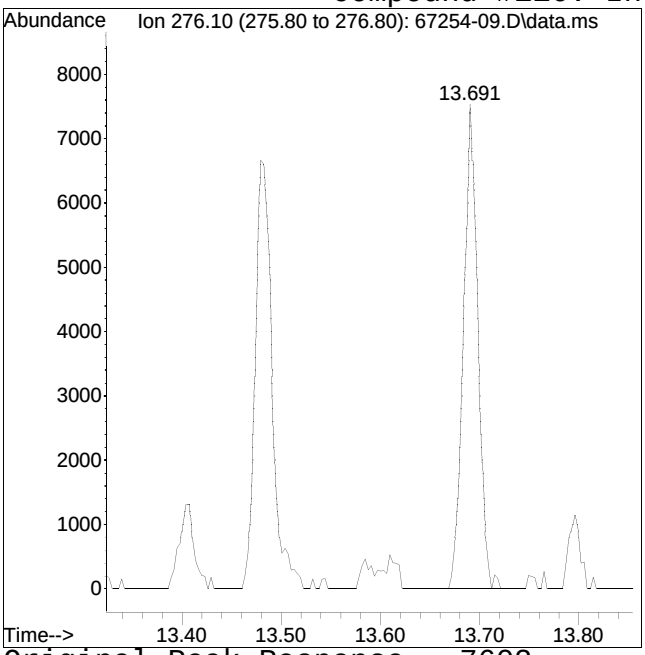
Manual Peak Response = 7185 M2

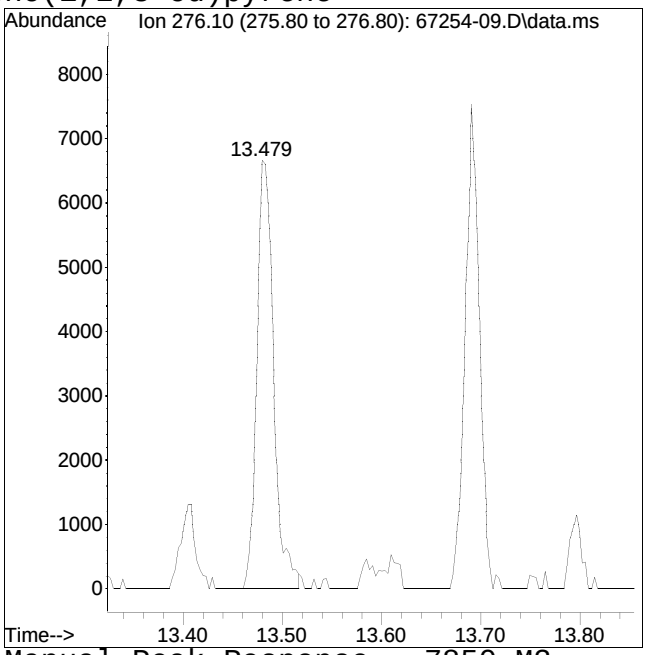
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241121RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 67254-09.D Operator : Dakota:smz
Date Inj'd : 11/22/2024 12:47 am Instrument : Dakota
Sample : L2467254-09,32,,ASK Quant Date : 11/22/2024 1:06 am

Compound #116: Indeno(1,2,3-cd)pyrene





Original Peak Response = 7602 Manual Peak Response = 7850 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-10.D
Acq On : 22 Nov 2024 1:11 am
Operator : Dakota:smz
Sample : L2467254-10,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 22 09:59:50 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.227	152	27975	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 76.38%			
37) IS1_Naphthalene-d8	5.467	136	103296	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 77.59%			
65) IS1_Acenaphthene-d10	7.157	164	65106	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 78.24%			
90) IS1_Phenanthrene-d10	8.569	188	146515	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 84.86%			
106) IS1_Chrysene-d12	11.133	240	167348	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 83.53%			
115) IS1_Perylene-d12	12.550	264	202792	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 81.62%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.783	82	5060	0.605	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 60.50%			
48) 2-Fluorobiphenyl	6.539	172	14210	0.556	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 55.60%			
98) 4-Terphenyl-d14	10.138	244	28121	0.663	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.30%			
Target Compounds						Qvalue
38) Naphthalene	0.000		0	N.D.		
54) Acenaphthylene	0.000		0	N.D.		
67) Acenaphthene	0.000		0	N.D.		
75) Fluorene	0.000		0	N.D.		
91) Phenanthrene	0.000		0	N.D.		
92) Anthracene	0.000		0	N.D.		
95) Fluoranthene	0.000		0	N.D.		
97) Pyrene	0.000		0	N.D.		
107) Benzo(a)anthracene	0.000		0	N.D.	d	
109) Chrysene	0.000		0	N.D.	d	
112) Benzo(b)fluoranthene	0.000		0	N.D.	d	
113) Benzo(k)fluoranthene	0.000		0	N.D.	d	
114) Benzo(a)pyrene	0.000		0	N.D.	d	
116) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.	d	

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-10.D
Acq On : 22 Nov 2024 1:11 am
Operator : Dakota:smz
Sample : L2467254-10,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 22 09:59:50 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D.	d

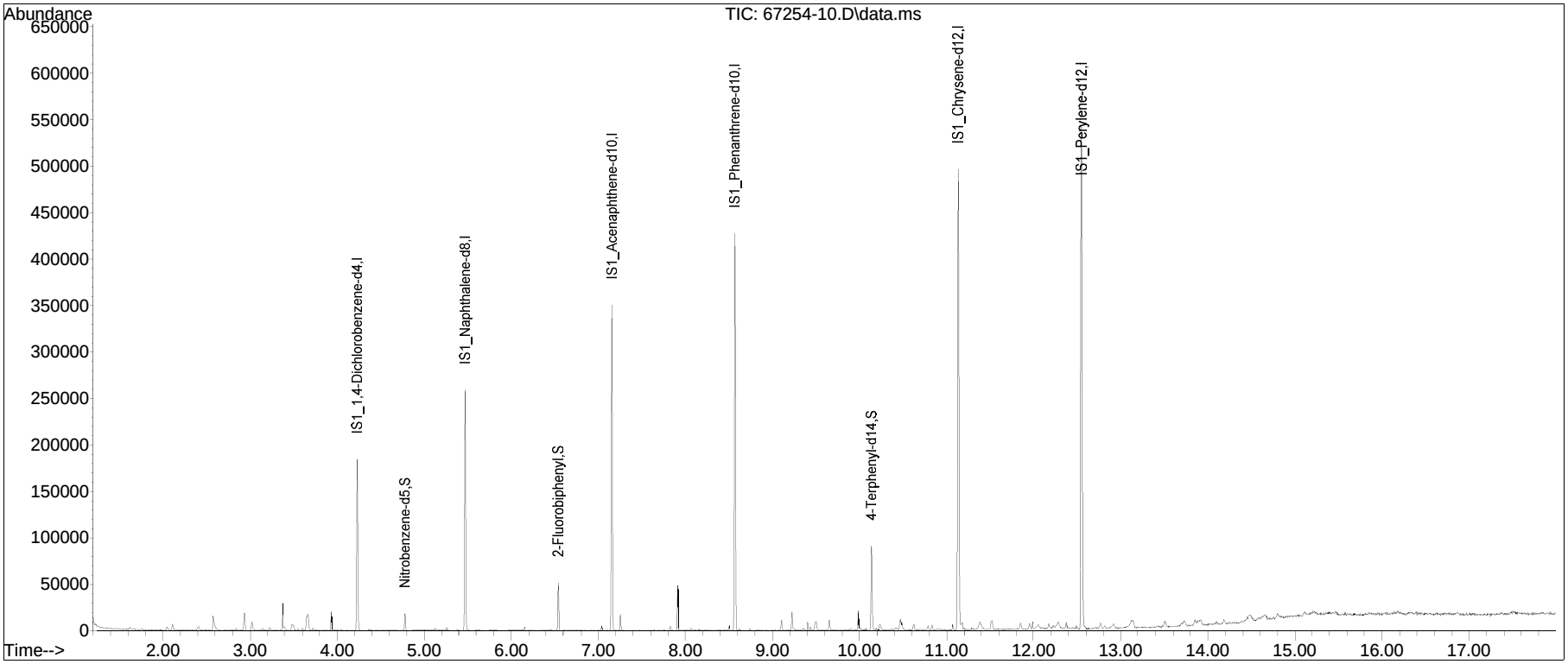
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-10.D
Acq On : 22 Nov 2024 1:11 am
Operator : Dakota:smz
Sample : L2467254-10,32,,ASK
Misc : WG1999667,WG1999910,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 22 09:59:50 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67254-10.D	Operator	: Dakota:smz
Date Inj'd	: 11/22/2024 1:11 am	Instrument	: Dakota
Sample	: L2467254-10,32,,ASK	Quant Date	: 11/22/2024 1:29 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-02.D
Acq On : 22 Nov 2024 2:22 am
Operator : Dakota:smz
Sample : L2467254-02,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 22 09:57:59 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.227	152	28345	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 77.39%			
37) IS1_Naphthalene-d8	5.467	136	100099	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 75.19%			
65) IS1_Acenaphthene-d10	7.157	164	63698	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 76.55%			
90) IS1_Phenanthrene-d10	8.569	188	147136	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 85.22%			
106) IS1_Chrysene-d12	11.133	240	175828	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 87.76%			
115) IS1_Perylene-d12	12.550	264	214308	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 86.25%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.783	82	3994	0.472	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 47.20%			
48) 2-Fluorobiphenyl	6.539	172	11020	0.445	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 44.50%			
98) 4-Terphenyl-d14	10.138	244	22175	0.521	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 52.10%			
Target Compounds						Qvalue
38) Naphthalene	0.000		0	N.D.		
54) Acenaphthylene	0.000		0	N.D.		
67) Acenaphthene	0.000		0	N.D.		
75) Fluorene	0.000		0	N.D.		
91) Phenanthrene	0.000		0	N.D.		
92) Anthracene	0.000		0	N.D.		
95) Fluoranthene	0.000		0	N.D.		
97) Pyrene	0.000		0	N.D.		
107) Benzo(a)anthracene	0.000		0	N.D.		
109) Chrysene	0.000		0	N.D.		
112) Benzo(b)fluoranthene	0.000		0	N.D.		
113) Benzo(k)fluoranthene	0.000		0	N.D.		
114) Benzo(a)pyrene	0.000		0	N.D.	d	
116) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-02.D
Acq On : 22 Nov 2024 2:22 am
Operator : Dakota:smz
Sample : L2467254-02,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 22 09:57:59 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D.	

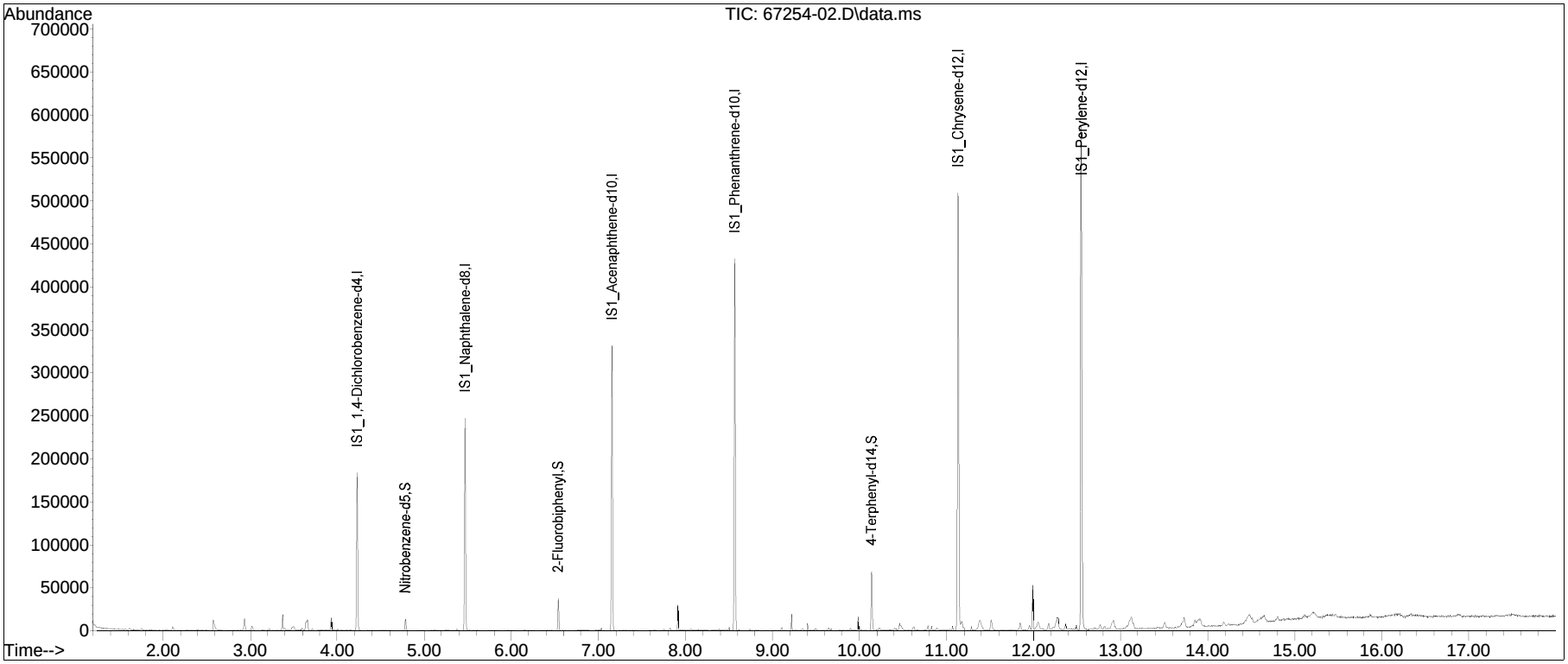
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-02.D
Acq On : 22 Nov 2024 2:22 am
Operator : Dakota:smz
Sample : L2467254-02,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 22 09:57:59 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67254-02.D	Operator	: Dakota:smz
Date Inj'd	: 11/22/2024 2:22 am	Instrument	: Dakota
Sample	: L2467254-02,32,,ASK	Quant Date	: 11/22/2024 2:40 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-06.D
Acq On : 22 Nov 2024 5:06 am
Operator : Dakota:smz
Sample : L2467254-06,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 09:58:34 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.227	152	19754	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 53.94%			
37) IS1_Naphthalene-d8	5.467	136	72682	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 54.59%			
65) IS1_Acenaphthene-d10	7.157	164	48957	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 58.83%			
90) IS1_Phenanthrene-d10	8.569	188	116872	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 67.69%			
106) IS1_Chrysene-d12	11.133	240	144294	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 72.02%			
115) IS1_Perylene-d12	12.550	264	176340	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 70.97%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.783	82	4437	0.752	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 75.20%			
48) 2-Fluorobiphenyl	6.539	172	12837	0.714	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.40%			
98) 4-Terphenyl-d14	10.138	244	28519	0.843	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 84.30%			
Target Compounds						Qvalue
38) Naphthalene	0.000		0	N.D.		
54) Acenaphthylene	0.000		0	N.D.		
67) Acenaphthene	0.000		0	N.D.		
75) Fluorene	0.000		0	N.D.		
91) Phenanthrene	0.000		0	N.D.		
92) Anthracene	0.000		0	N.D.		
95) Fluoranthene	0.000		0	N.D.		
97) Pyrene	0.000		0	N.D.		
107) Benzo(a)anthracene	0.000		0	N.D.		
109) Chrysene	0.000		0	N.D.		
112) Benzo(b)fluoranthene	0.000		0	N.D.		
113) Benzo(k)fluoranthene	0.000		0	N.D.		
114) Benzo(a)pyrene	0.000		0	N.D.	d	
116) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-06.D
Acq On : 22 Nov 2024 5:06 am
Operator : Dakota:smz
Sample : L2467254-06,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 09:58:34 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D.	

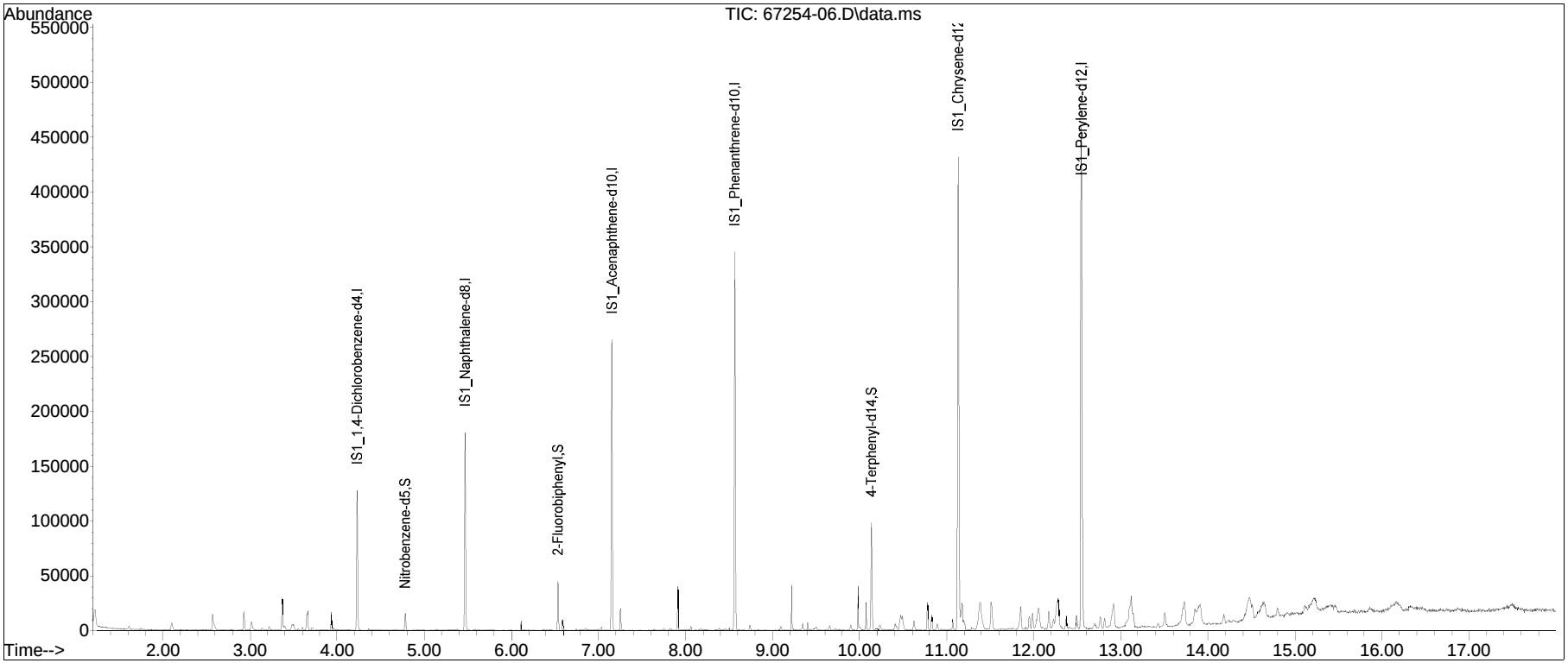
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-06.D
Acq On : 22 Nov 2024 5:06 am
Operator : Dakota:smz
Sample : L2467254-06,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 22 09:58:34 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67254-06.D	Operator	: Dakota:smz
Date Inj'd	: 11/22/2024 5:06 am	Instrument	: Dakota
Sample	: L2467254-06,32,,ASK	Quant Date	: 11/22/2024 5:25 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-07.D
Acq On : 22 Nov 2024 5:30 am
Operator : Dakota:smz
Sample : L2467254-07,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 22 09:58:41 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.230	152	27604	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 75.37%			
37) IS1_Naphthalene-d8	5.467	136	103303	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 77.59%			
65) IS1_Acenaphthene-d10	7.157	164	65416	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 78.61%			
90) IS1_Phenanthrene-d10	8.569	188	144274	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 83.56%			
106) IS1_Chrysene-d12	11.133	240	168331	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 84.02%			
115) IS1_Perylene-d12	12.550	264	202384	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 81.45%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.783	82	5305	0.643	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.30%			
48) 2-Fluorobiphenyl	6.539	172	14714	0.575	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 57.50%			
98) 4-Terphenyl-d14	10.138	244	30126	0.722	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.20%			

Target Compounds				Qvalue
38) Naphthalene	0.000	0	N.D.	
54) Acenaphthylene	0.000	0	N.D.	
67) Acenaphthene	0.000	0	N.D.	
75) Fluorene	0.000	0	N.D.	
91) Phenanthrene	0.000	0	N.D.	
92) Anthracene	0.000	0	N.D.	
95) Fluoranthene	0.000	0	N.D.	
97) Pyrene	0.000	0	N.D.	
107) Benzo(a)anthracene	0.000	0	N.D.	
109) Chrysene	0.000	0	N.D.	
112) Benzo(b)fluoranthene	0.000	0	N.D.	
113) Benzo(k)fluoranthene	0.000	0	N.D.	
114) Benzo(a)pyrene	0.000	0	N.D.	d
116) Indeno(1,2,3-cd)pyrene	0.000	0	N.D.	

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-07.D
Acq On : 22 Nov 2024 5:30 am
Operator : Dakota:smz
Sample : L2467254-07,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 22 09:58:41 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D.	

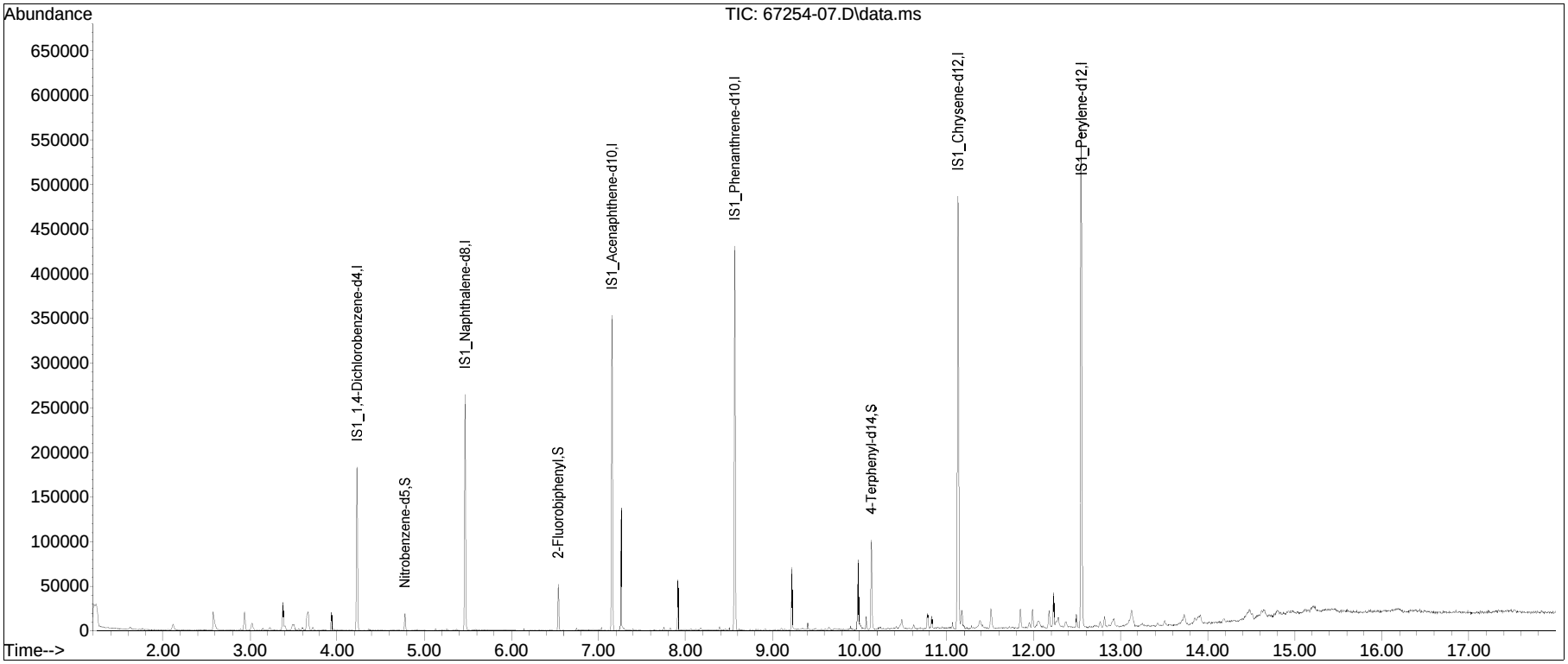
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-07.D
Acq On : 22 Nov 2024 5:30 am
Operator : Dakota:smz
Sample : L2467254-07,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 22 09:58:41 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67254-07.D	Operator	: Dakota:smz
Date Inj'd	: 11/22/2024 5:30 am	Instrument	: Dakota
Sample	: L2467254-07,32,,ASK	Quant Date	: 11/22/2024 5:48 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-08.D
Acq On : 22 Nov 2024 5:53 am
Operator : Dakota:smz
Sample : L2467254-08,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 22 09:58:47 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.227	152	20921	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 57.12%			
37) IS1_Naphthalene-d8	5.467	136	78301	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 58.81%			
65) IS1_Acenaphthene-d10	7.158	164	52261	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 62.80%			
90) IS1_Phenanthrene-d10	8.569	188	122981	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 71.23%			
106) IS1_Chrysene-d12	11.133	240	150547	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 75.15%			
115) IS1_Perylene-d12	12.550	264	186910	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 75.23%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.780	82	4231	0.677	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.70%			
48) 2-Fluorobiphenyl	6.539	172	12605	0.650	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.00%			
98) 4-Terphenyl-d14	10.138	244	27364	0.769	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 76.90%			
Target Compounds						Qvalue
38) Naphthalene	0.000		0	N.D.		
54) Acenaphthylene	0.000		0	N.D.		
67) Acenaphthene	0.000		0	N.D.		
75) Fluorene	0.000		0	N.D.		
91) Phenanthrene	0.000		0	N.D.		
92) Anthracene	0.000		0	N.D.		
95) Fluoranthene	0.000		0	N.D.		
97) Pyrene	0.000		0	N.D.		
107) Benzo(a)anthracene	0.000		0	N.D.		
109) Chrysene	0.000		0	N.D.		
112) Benzo(b)fluoranthene	0.000		0	N.D.		
113) Benzo(k)fluoranthene	0.000		0	N.D.		
114) Benzo(a)pyrene	0.000		0	N.D.	d	
116) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-08.D
Acq On : 22 Nov 2024 5:53 am
Operator : Dakota:smz
Sample : L2467254-08,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 22 09:58:47 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D.	

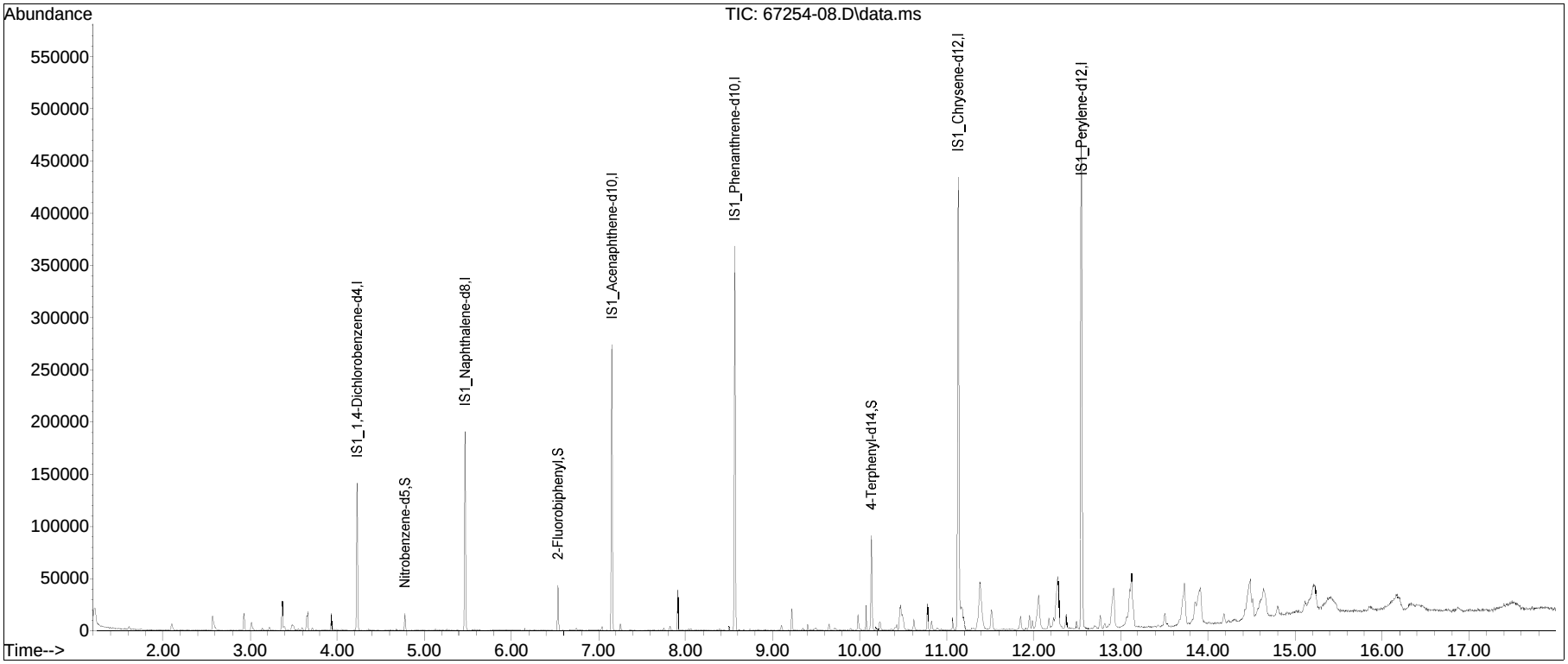
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-08.D
Acq On : 22 Nov 2024 5:53 am
Operator : Dakota:smz
Sample : L2467254-08,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 22 09:58:47 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67254-08.D	Operator	: Dakota:smz
Date Inj'd	: 11/22/2024 5:53 am	Instrument	: Dakota
Sample	: L2467254-08,32,,ASK	Quant Date	: 11/22/2024 6:12 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-11.D
Acq On : 22 Nov 2024 6:17 am
Operator : Dakota:smz
Sample : L2467254-11,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 09:59:58 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.227	152	23081	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 63.02%			
37) IS1_Naphthalene-d8	5.464	136	87098	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 65.42%			
65) IS1_Acenaphthene-d10	7.158	164	57646	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 69.27%			
90) IS1_Phenanthrene-d10	8.569	188	133761	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 77.47%			
106) IS1_Chrysene-d12	11.133	240	164874	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 82.30%			
115) IS1_Perylene-d12	12.550	264	202651	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 81.56%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.780	82	5506	0.798	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.80%			
48) 2-Fluorobiphenyl	6.539	172	15207	0.705	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.50%			
98) 4-Terphenyl-d14	10.138	244	33761	0.872	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 87.20%			
Target Compounds						Qvalue
38) Naphthalene	0.000		0	N.D.		
54) Acenaphthylene	0.000		0	N.D.		
67) Acenaphthene	0.000		0	N.D.		
75) Fluorene	0.000		0	N.D.		
91) Phenanthrene	0.000		0	N.D.		
92) Anthracene	0.000		0	N.D.		
95) Fluoranthene	0.000		0	N.D.		
97) Pyrene	0.000		0	N.D.		
107) Benzo(a)anthracene	0.000		0	N.D.		
109) Chrysene	0.000		0	N.D.		
112) Benzo(b)fluoranthene	0.000		0	N.D.		
113) Benzo(k)fluoranthene	0.000		0	N.D.		
114) Benzo(a)pyrene	0.000		0	N.D.	d	
116) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-11.D
Acq On : 22 Nov 2024 6:17 am
Operator : Dakota:smz
Sample : L2467254-11,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 09:59:58 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D.	

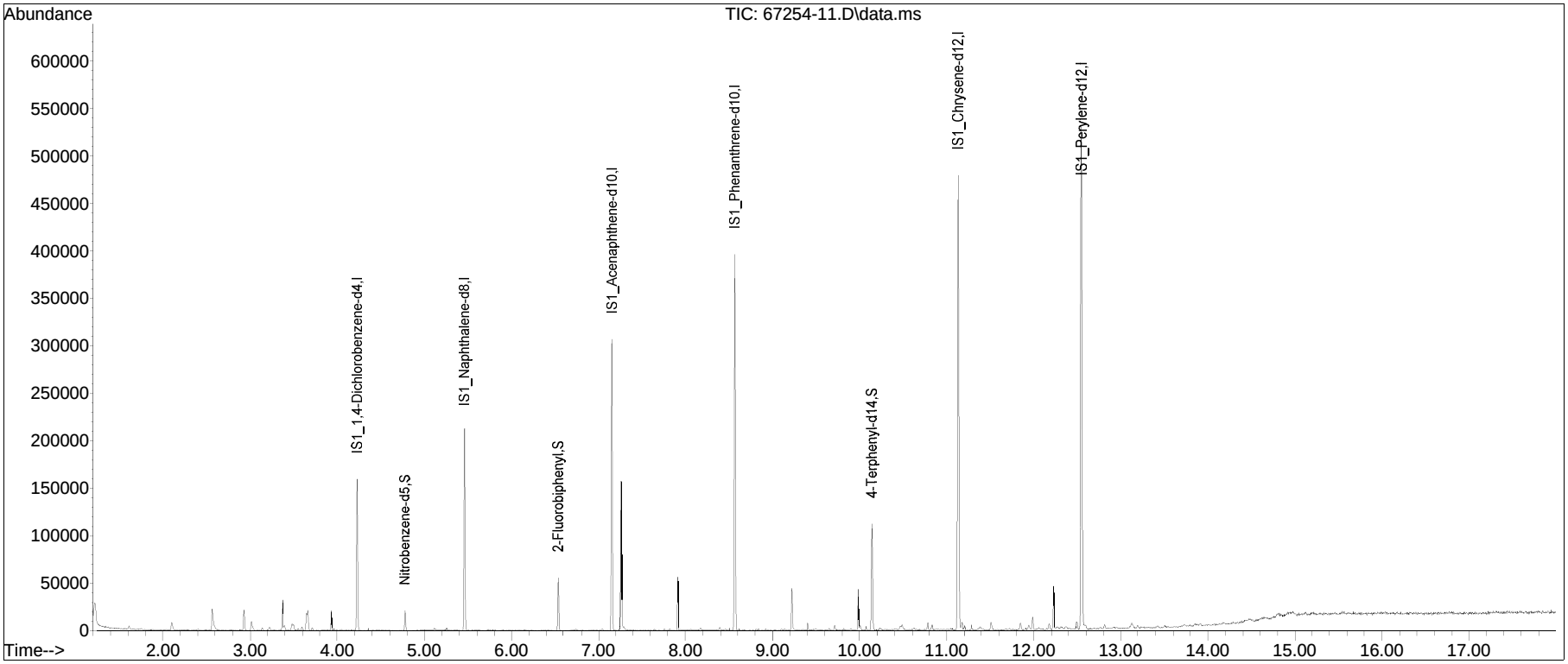
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-11.D
Acq On : 22 Nov 2024 6:17 am
Operator : Dakota:smz
Sample : L2467254-11,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 22 09:59:58 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67254-11.D	Operator	: Dakota:smz
Date Inj'd	: 11/22/2024 6:17 am	Instrument	: Dakota
Sample	: L2467254-11,32,,ASK	Quant Date	: 11/22/2024 6:35 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-12.D
Acq On : 22 Nov 2024 6:41 am
Operator : Dakota:smz
Sample : L2467254-12,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 22 10:41:35 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.227	152	25065	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 68.44%			
37) IS1_Naphthalene-d8	5.464	136	101598	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 76.31%			
65) IS1_Acenaphthene-d10	7.157	164	69224	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 83.19%			
90) IS1_Phenanthrene-d10	8.569	188	152824	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 88.52%			
106) IS1_Chrysene-d12	11.133	240	170601	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 85.16%			
115) IS1_Perylene-d12	12.550	264	201717	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 81.18%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.780	82	6339	0.846	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 84.60%			
48) 2-Fluorobiphenyl	6.539	172	17870	0.711	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.10%			
98) 4-Terphenyl-d14	10.138	244	35454	0.802	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 80.20%			
Target Compounds						Qvalue
38) Naphthalene	0.000		0	N.D.	d	
54) Acenaphthylene	0.000		0	N.D.		
67) Acenaphthene	0.000		0	N.D.		
75) Fluorene	0.000		0	N.D.	d	
91) Phenanthrene	0.000		0	N.D.	d	
92) Anthracene	0.000		0	N.D.	d	
95) Fluoranthene	0.000		0	N.D.		
97) Pyrene	0.000		0	N.D.		
107) Benzo(a)anthracene	0.000		0	N.D.	d	
109) Chrysene	0.000		0	N.D.	d	
112) Benzo(b)fluoranthene	0.000		0	N.D.		
113) Benzo(k)fluoranthene	0.000		0	N.D.		
114) Benzo(a)pyrene	0.000		0	N.D.	d	
116) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-12.D
Acq On : 22 Nov 2024 6:41 am
Operator : Dakota:smz
Sample : L2467254-12,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 22 10:41:35 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D.	

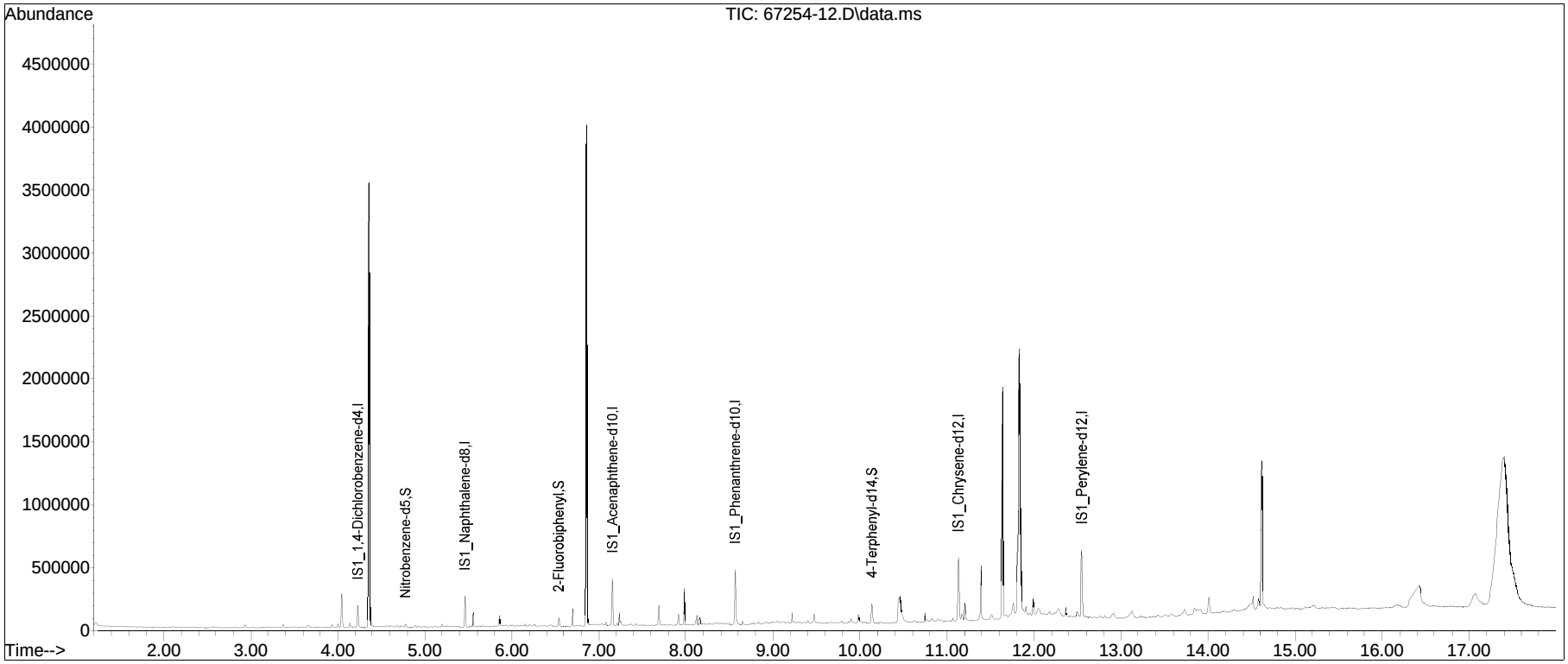
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-12.D
Acq On : 22 Nov 2024 6:41 am
Operator : Dakota:smz
Sample : L2467254-12,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 22 10:41:35 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67254-12.D	Operator	: Dakota:smz
Date Inj'd	: 11/22/2024 6:41 am	Instrument	: Dakota
Sample	: L2467254-12,32,,ASK	Quant Date	: 11/22/2024 6:59 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-13.D
Acq On : 22 Nov 2024 7:04 am
Operator : Dakota:smz
Sample : L2467254-13,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 22 10:00:34 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.227	152	21068	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 57.52%			
37) IS1_Naphthalene-d8	5.464	136	83034	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 62.37%			
65) IS1_Acenaphthene-d10	7.154	164	57432	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 69.02%			
90) IS1_Phenanthrene-d10	8.569	188	142453	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 82.51%			
106) IS1_Chrysene-d12	11.133	240	172914	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 86.31%			
115) IS1_Perylene-d12	12.550	264	205244	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 82.60%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.780	82	5052	0.803	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 80.30%			
48) 2-Fluorobiphenyl	6.539	172	13773	0.670	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.00%			
98) 4-Terphenyl-d14	10.138	244	31559	0.766	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 76.60%			

Target Compounds				Qvalue
38) Naphthalene	0.000	0	N.D.	d
54) Acenaphthylene	0.000	0	N.D.	
67) Acenaphthene	0.000	0	N.D.	
75) Fluorene	0.000	0	N.D.	d
91) Phenanthrene	0.000	0	N.D.	d
92) Anthracene	0.000	0	N.D.	d
95) Fluoranthene	0.000	0	N.D.	
97) Pyrene	0.000	0	N.D.	
107) Benzo(a)anthracene	0.000	0	N.D.	d
109) Chrysene	0.000	0	N.D.	d
112) Benzo(b)fluoranthene	0.000	0	N.D.	
113) Benzo(k)fluoranthene	0.000	0	N.D.	
114) Benzo(a)pyrene	0.000	0	N.D.	d
116) Indeno(1,2,3-cd)pyrene	0.000	0	N.D.	

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-13.D
Acq On : 22 Nov 2024 7:04 am
Operator : Dakota:smz
Sample : L2467254-13,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 22 10:00:34 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D.	

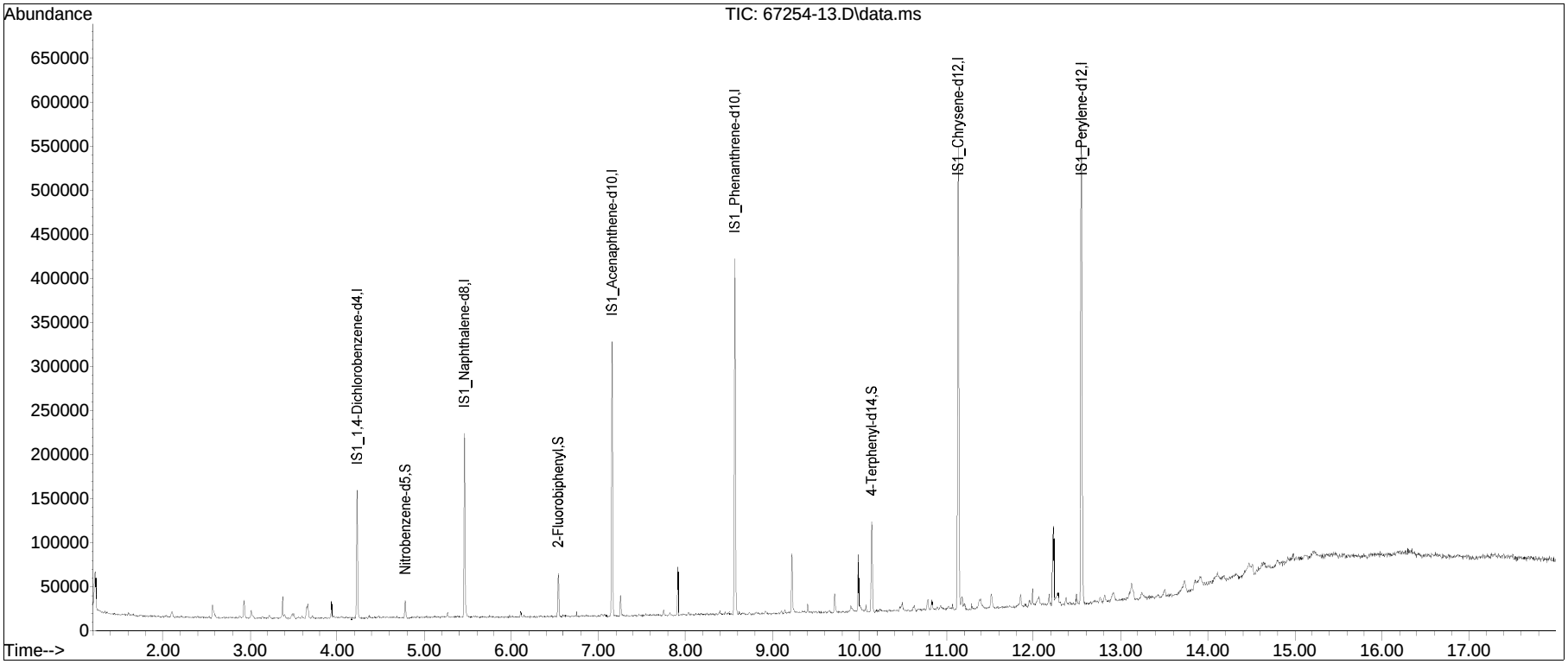
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-13.D
Acq On : 22 Nov 2024 7:04 am
Operator : Dakota:smz
Sample : L2467254-13,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 22 10:00:34 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67254-13.D	Operator	: Dakota:smz
Date Inj'd	: 11/22/2024 7:04 am	Instrument	: Dakota
Sample	: L2467254-13,32,,ASK	Quant Date	: 11/22/2024 7:23 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-14.D
Acq On : 22 Nov 2024 7:28 am
Operator : Dakota:smz
Sample : L2467254-14,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 22 10:05:21 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.227	152	23795	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 64.97%			
37) IS1_Naphthalene-d8	5.467	136	89505	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 67.23%			
65) IS1_Acenaphthene-d10	7.157	164	59200	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 71.14%			
90) IS1_Phenanthrene-d10	8.569	188	144427	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 83.65%			
106) IS1_Chrysene-d12	11.133	240	184214	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 91.95%			
115) IS1_Perylene-d12	12.550	264	216337	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 87.07%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.780	82	3438	0.484	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 48.40%			
48) 2-Fluorobiphenyl	6.539	172	10575	0.477	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 47.70%			
98) 4-Terphenyl-d14	10.138	244	23138	0.554	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 55.40%			
Target Compounds						Qvalue
38) Naphthalene	0.000		0	N.D.		
54) Acenaphthylene	0.000		0	N.D.		
67) Acenaphthene	0.000		0	N.D.		
75) Fluorene	0.000		0	N.D.		
91) Phenanthrene	0.000		0	N.D.	d	
92) Anthracene	0.000		0	N.D.	d	
95) Fluoranthene	0.000		0	N.D.		
97) Pyrene	0.000		0	N.D.		
107) Benzo(a)anthracene	0.000		0	N.D.		
109) Chrysene	0.000		0	N.D.		
112) Benzo(b)fluoranthene	0.000		0	N.D.		
113) Benzo(k)fluoranthene	0.000		0	N.D.		
114) Benzo(a)pyrene	0.000		0	N.D.	d	
116) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-14.D
Acq On : 22 Nov 2024 7:28 am
Operator : Dakota:smz
Sample : L2467254-14,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 22 10:05:21 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D.	

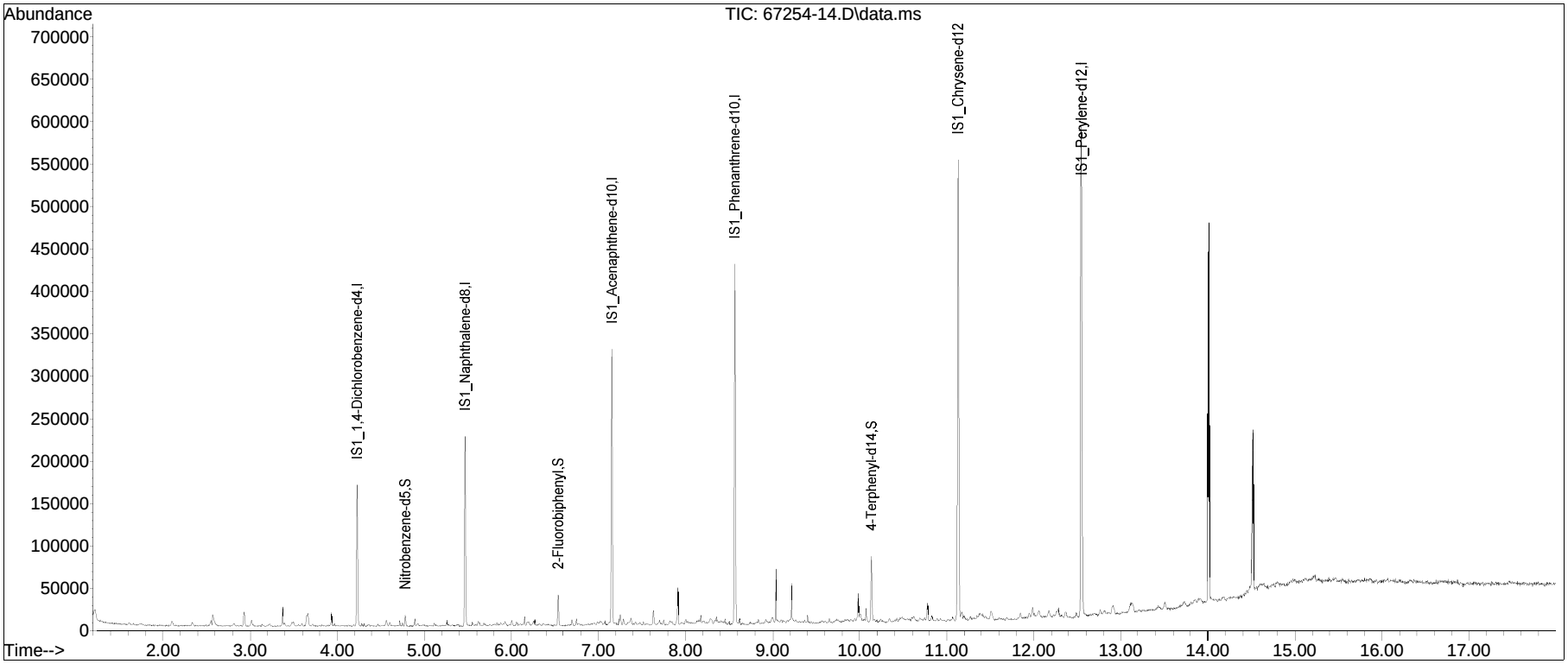
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-14.D
Acq On : 22 Nov 2024 7:28 am
Operator : Dakota:smz
Sample : L2467254-14,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 22 10:05:21 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67254-14.D	Operator	: Dakota:smz
Date Inj'd	: 11/22/2024 7:28 am	Instrument	: Dakota
Sample	: L2467254-14,32,,ASK	Quant Date	: 11/22/2024 7:46 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-15.D
Acq On : 22 Nov 2024 7:51 am
Operator : Dakota:smz
Sample : L2467254-15,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 22 10:05:28 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.227	152	25393	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 69.33%			
37) IS1_Naphthalene-d8	5.467	136	95126	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 71.45%			
65) IS1_Acenaphthene-d10	7.158	164	61865	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 74.34%			
90) IS1_Phenanthrene-d10	8.569	188	150141	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 86.96%			
106) IS1_Chrysene-d12	11.133	240	184361	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 92.02%			
115) IS1_Perylene-d12	12.550	264	213834	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 86.06%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.780	82	6040	0.796	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.60%			
48) 2-Fluorobiphenyl	6.542	172	16446	0.699	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.90%			
98) 4-Terphenyl-d14	10.138	244	36190	0.833	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 83.30%			
Target Compounds						Qvalue
38) Naphthalene	0.000		0	N.D.		
54) Acenaphthylene	0.000		0	N.D.		
67) Acenaphthene	0.000		0	N.D.		
75) Fluorene	0.000		0	N.D.		
91) Phenanthrene	0.000		0	N.D.		
92) Anthracene	0.000		0	N.D.		
95) Fluoranthene	0.000		0	N.D.		
97) Pyrene	0.000		0	N.D.		
107) Benzo(a)anthracene	0.000		0	N.D.		
109) Chrysene	0.000		0	N.D.		
112) Benzo(b)fluoranthene	0.000		0	N.D.		
113) Benzo(k)fluoranthene	0.000		0	N.D.		
114) Benzo(a)pyrene	0.000		0	N.D.	d	
116) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-15.D
Acq On : 22 Nov 2024 7:51 am
Operator : Dakota:smz
Sample : L2467254-15,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 22 10:05:28 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
117) Dibenzo(a,h)anthracene	0.000		0		N.D.	
118) Benzo(ghi)perylene	0.000		0		N.D.	

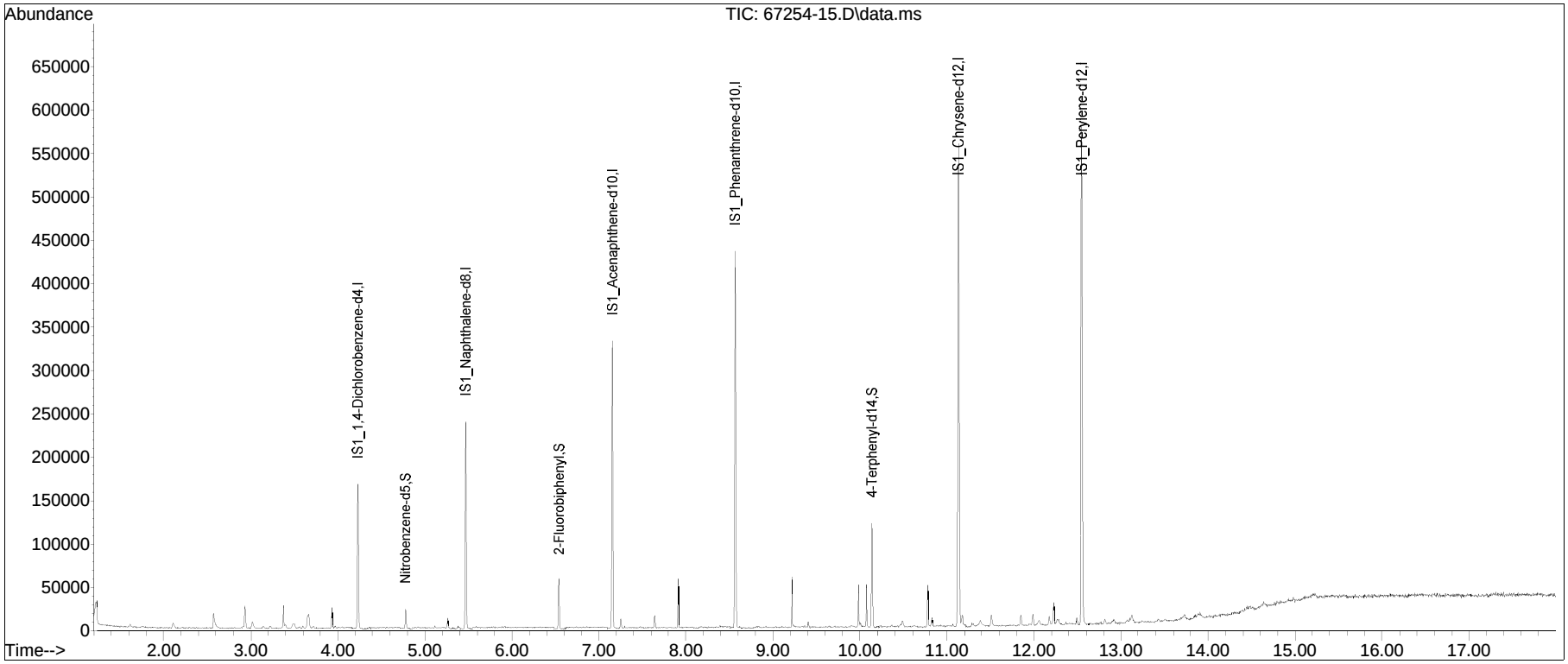
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 67254-15.D
Acq On : 22 Nov 2024 7:51 am
Operator : Dakota:smz
Sample : L2467254-15,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 22 10:05:28 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 67254-15.D	Operator	: Dakota:smz
Date Inj'd	: 11/22/2024 7:51 am	Instrument	: Dakota
Sample	: L2467254-15,32,,ASK	Quant Date	: 11/22/2024 8:10 am

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

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Arcadis of New York, Inc.**	**Lab Number**	**: L2467254**
Project Name	**: NYSEG-GOSHEN FORMER MGP SITE**	**Project Number**	**: 30113059**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21241**
Calibration dates	**: 06/25/24 20:18 06/26/24 07:31**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	T	N-Nitrosodimethylamine	0.562	0.547	0.668	0.671	0.658	0.715	0.737	0.691	0.666	0.657	9.69
3)	T	Pyridine	0.765	0.804	1.096	1.064	1.020	1.187	1.214	1.164	1.068	1.043	15.30
4)	S	2-Fluorophenol	1.042	0.902	1.137	1.062	1.020	1.069	1.112	1.061	1.048	1.050	6.30
5)	T	Aniline	2.034	1.689	1.779	1.844	1.753	1.761	1.854	1.790	1.794	1.811	5.35
6)	T	2-Chlorophenol	1.446	1.123	1.293	1.241	1.188	1.224	1.274	1.223	1.242	1.251	7.06
7)	S	Phenol-d6	1.528	1.195	1.365	1.305	1.289	1.368	1.414	1.357	1.387	1.357	6.75
8)	T	Phenol	1.817	1.428	1.559	1.538	1.527	1.566	1.627	1.557	1.574	1.577	6.62
9)	T	bis(2-Chloroethyl)ether	1.421	1.058	1.219	1.151	1.143	1.120	1.163	1.115	1.115	1.167	8.96
10)	T	1,3-Dichlorobenzene	1.825	1.427	1.538	1.518	1.438	1.487	1.482	1.424	1.436	1.508	8.33
11)	T	1,4-Dichlorobenzene	1.923	1.640	1.694	1.536	1.486	1.486	1.516	1.438	1.453	1.575	9.88
12)	T	1,2-Dichlorobenzene	1.745	1.340	1.594	1.450	1.424	1.428	1.446	1.404	1.447	1.475	8.21
13)	T	Benzyl alcohol	0.853	0.833	0.903	0.958	0.947	0.948	1.013	1.009	1.039	0.945	7.55
14)	T	bis(2-chloroisopropyl)ether	1.542	1.444	1.529	1.423	1.507	1.427	1.472	1.462	1.466	1.475	2.91
15)	T	2-Methylphenol	1.068	0.979	1.057	1.054	1.005	1.051	1.101	1.074	1.118	1.056	4.08
16)	T	Hexachloroethane	0.605	0.534	0.540	0.589	0.515	0.542	0.556	0.550	0.587	0.558	5.34
17)	T	n-Nitrosodi-n-propylamine	0.857	0.797	0.848	0.850	0.863	0.844	0.894	0.895	0.940	0.865	4.65
18)	T	3-Methylphenol/4-Methylphenol	1.109	1.056	1.147	1.130	1.122	1.166	1.205	1.181	1.237	1.150	4.72
19)	S	Nitrobenzene-d5	1.364	1.174	1.284	1.255	1.256	1.289	1.357	1.316	1.350	1.294	4.73
20)	T	Nitrobenzene	1.374	1.167	1.255	1.249	1.268	1.288	1.348	1.313	1.342	1.289	4.92
21)	T	Isophorone	2.526	2.023	2.282	2.274	2.361	2.267	2.412	2.399	2.410	2.328	6.09
22)	T	2-Nitrophenol	0.572	0.455	0.543	0.529	0.574	0.574	0.614	0.643	0.665	0.574	10.96
23)	T	2,4-Dimethylphenol	1.050	0.967	1.174	1.119	1.111	1.004	1.135	1.146	1.205	1.101	7.16
24)	T	bis(2-Chloroethoxy)methane	1.755	1.546	1.604	1.513	1.557	1.463	1.547	1.531	1.587	1.567	5.19
25)	T	2,4-Dichlorophenol	1.200	1.008	1.072	1.112	1.136	1.123	1.219	1.218	1.285	1.153	7.42
26)	T	1,2,4-Trichlorobenzene	1.821	1.484	1.450	1.478	1.378	1.332	1.381	1.373	1.442	1.460	9.94
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	1.040	0.972	1.109	1.072	1.093	1.082	1.162	1.162	1.149	1.094	5.70
29)	T	Acetophenone	1.672	1.587	1.917	1.903	1.905	1.998	2.059	2.064	2.024	1.903	8.87
30)	T	m-Toluidine	1.624	1.422	1.775	1.781	1.812	1.920	2.030	2.045	2.045	1.828	11.53
31)	T	2-Chloroaniline	1.694	1.374	1.765	1.690	1.753	1.785	1.883	1.869	1.863	1.742	8.93
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.421	0.595	0.567	0.467	0.415	0.448	0.424	0.426	0.470	15.01
34)	T	n-Decane	1.220	0.970	1.192	1.255	1.127	1.060	1.191	1.145	1.149	1.145	7.58
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.266	1.035	1.152	1.087	1.005	0.997	1.043	0.966	0.888	1.049	10.49

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Arcadis of New York, Inc.**	**Lab Number**	**: L2467254**
Project Name	**: NYSEG-GOSHEN FORMER MGP SITE**	**Project Number**	**: 30113059**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21241**
Calibration dates	**: 06/25/24 20:18 06/26/24 07:31**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D

L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37)	T	Benzoic Acid					0.129	0.163	0.217	0.243	0.251	*L	0.9992
38)	T	4-Chloroaniline	0.080	0.126	0.116	0.116	0.123	0.117	0.126	0.128	0.129	0.118	12.79
39)	T	Hexachlorobutadiene	0.283	0.225	0.275	0.254	0.226	0.226	0.241	0.236	0.246	0.246	8.74
40)	T	p-Chloro-m-cresol	0.262	0.248	0.265	0.272	0.279	0.270	0.296	0.299	0.302	0.277	6.77
41)	T	2-Methylnaphthalene	0.846	0.703	0.755	0.742	0.670	0.650	0.700	0.683	0.670	0.713	8.47
42)	T	1-Methylnaphthalene	0.316	0.233	0.258	0.237	0.231	0.218	0.236	0.235	0.243	0.245	11.70
43)	T	Hexachlorocyclopentadiene	0.245	0.228	0.273	0.253	0.241	0.226	0.253	0.261	0.279	0.251	7.32
44)	T	2,4,6-Trichlorophenol	0.256	0.222	0.245	0.252	0.255	0.249	0.272	0.275	0.281	0.256	7.06
45)	T	2,4,5-Trichlorophenol	0.242	0.215	0.272	0.252	0.257	0.258	0.278	0.287	0.301	0.262	9.81
46)	S	2-Fluorobiphenyl	1.108	0.906	0.959	0.931	0.893	0.820	0.871	0.845	0.809	0.904	10.04
47)	T	2-Chloronaphthalene	0.947	0.735	0.788	0.772	0.738	0.697	0.735	0.717	0.699	0.759	10.11
48)	T	2-Nitroaniline	0.189	0.160	0.201	0.186	0.193	0.191	0.219	0.231	0.235	0.200	11.96
49)	T	1,4-Dinitrobenzene	0.083	0.069	0.090	0.093	0.097	0.095	0.111	0.122	0.125	0.098	18.43
50)	T	1,3-Dinitrobenzene	0.094	0.088	0.105	0.107	0.111	0.110	0.126	0.138	0.147	0.114	17.21
51)	T	Dimethyl phthalate	1.140	0.882	1.009	0.933	0.924	0.827	0.876	0.885	0.829	0.923	10.69
52)	T	Acenaphthylene	1.278	1.043	1.196	1.115	1.136	1.059	1.125	1.115	1.011	1.120	7.23
53)	T	2,6-Dinitrotoluene	0.173	0.138	0.163	0.165	0.177	0.163	0.181	0.195	0.199	0.173	10.72
54)	T	1,2-Dinitrobenzene			0.062	0.068	0.072	0.070	0.080	0.088	0.091	0.076	14.13
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.269	0.222	0.274	0.268	0.264	0.279	0.299	0.310	0.310	0.277	9.94
57)	T	3-Chloroaniline		0.104	0.168	0.149	0.143	0.149	0.158	0.163	0.168	0.150	13.96
58)	T	2,6-Dichlorophenol	0.313	0.261	0.306	0.302	0.317	0.335	0.366	0.365	0.371	0.326	11.19
59)	T	1-chloro-2-nitrobenzene	0.113	0.111	0.143	0.146	0.133	0.146	0.162	0.167	0.168	0.143	14.67
60)	T	Caprolactam				0.126	0.131	0.155	0.174	0.178	0.183	*L	0.9990
61)	T	1,2,4,5-Tetrachlorobenzene	0.481	0.431	0.503	0.503	0.461	0.474	0.493	0.488	0.478	0.479	4.71
62)	T	Biphenyl	1.095	0.927	1.090	1.060	1.016	1.018	1.066	1.031	0.935	1.026	5.96
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline	0.252	0.237	0.287	0.294	0.299	0.308	0.339	0.336	0.337	0.299	12.23
65)	T	Acenaphthene	1.314	1.113	1.226	1.123	1.053	1.036	1.084	1.054	1.029	1.115	8.64
66)	T	2,4-Dinitrophenol			0.079	0.095	0.133	0.147	0.168	0.191	0.195	*Q	0.9985
67)	T	Dibenzofuran	2.211	1.799	2.086	1.945	1.751	1.726	1.777	1.698	1.542	1.837	11.29
68)	T	2,4-Dinitrotoluene	0.319	0.294	0.352	0.365	0.387	0.389	0.418	0.459	0.468	0.383	15.30
69)	T	4-Nitrophenol	0.317	0.249	0.284	0.274	0.264	0.286	0.308	0.313	0.311	0.290	8.32
70)	T	2,3,5,6-Tetrachlorophenol	0.349	0.273	0.359	0.360	0.382	0.387	0.416	0.430	0.434	0.377	13.18
71)	T	2,3,4,6-Tetrachlorophenol	0.327	0.272	0.371	0.360	0.389	0.365	0.400	0.421	0.424	0.370	12.93
72)	T	Diethyl phthalate	1.798	1.445	1.599	1.494	1.494	1.341	1.413	1.434	1.361	1.487	9.42

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Arcadis of New York, Inc.**	**Lab Number**	**: L2467254**
Project Name	**: NYSEG-GOSHEN FORMER MGP SITE**	**Project Number**	**: 30113059**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21241**
Calibration dates	**: 06/25/24 20:18 06/26/24 07:31**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D

L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73)	T	Fluorene	1.722	1.358	1.548	1.423	1.385	1.344	1.395	1.386	1.317	1.431	8.89
74)	T	4-Chlorophenyl-phenylether	0.957	0.826	0.818	0.791	0.738	0.691	0.715	0.740	0.741	0.780	10.31
75)	T	4-Nitroaniline	0.243	0.230	0.295	0.325	0.330	0.334	0.361	0.368	0.344	0.314	15.56
76)	T	4,6-Dinitro-o-cresol		0.090	0.161	0.181	0.205	0.204	0.232	0.261	0.263	*L	0.9966
77)	T	NDPA/DPA	1.445	1.148	1.297	1.268	1.198	1.152	1.215	1.205	1.148	1.231	7.78
78)	T	Azobenzene	1.524	1.129	1.373	1.336	1.302	1.260	1.305	1.296	1.220	1.305	8.30
79)	S	2,4,6-Tribromophenol			0.253	0.239	0.249	0.236	0.255	0.277	0.288	0.257	7.47
80)	T	4-Bromophenyl-phenylether	0.639	0.500	0.517	0.492	0.471	0.440	0.462	0.485	0.490	0.500	11.37
81)	T	Hexachlorobenzene	0.879	0.616	0.680	0.640	0.584	0.529	0.554	0.574	0.592	0.628	16.66
82)	T	Pentachlorophenol			0.259	0.272	0.303	0.302	0.345	0.384	0.391	0.322	16.23
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran				0.160	0.184	0.198	0.225	0.256	0.269	*L	0.9964
85)	T	Pentachloronitrobenzene			0.200	0.205	0.213	0.226	0.246	0.272	0.282	0.235	13.89
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.389	0.299	0.438	0.468	0.450	0.397	0.506	0.509	0.516	0.441	16.04
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.320	1.071	1.173	1.090	1.015	1.012	1.045	0.947	0.850	1.058	12.62
90)	T	Anthracene	1.256	1.017	1.087	1.043	1.001	0.996	1.069	0.971	0.876	1.035	9.97
91)	T	Carbazole	1.052	0.896	1.012	0.948	0.942	0.948	1.001	0.904	0.827	0.948	7.18
92)	T	Di-n-butylphthalate	1.109	0.955	1.058	1.048	1.078	0.981	1.100	1.066	0.910	1.034	6.68
93)	T	Fluoranthene	1.499	1.186	1.326	1.251	1.214	1.178	1.266	1.147	0.982	1.228	11.39
94)	T	Benzidine	0.637	0.494	0.641	0.646	0.698	0.700	0.797	0.760	0.702	0.675	12.87
95)	T	Pyrene	1.601	1.214	1.406	1.321	1.304	1.289	1.345	1.209	1.024	1.301	12.03
96)	S	4-Terphenyl-d14	1.228	0.991	1.112	1.049	1.046	0.959	1.026	0.978	0.869	1.029	9.83
97)	T	Butyl benzyl phthalate	0.487	0.361	0.434	0.413	0.452	0.421	0.491	0.535	0.524	0.458	12.35
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.509	0.383	0.468	0.508	0.502	0.532	0.578	0.597	0.558	0.515	12.43
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.312	0.243	0.299	0.318	0.319	0.280	0.358	0.350	0.355	0.315	12.02
102)	T	Parathion		0.054	0.076	0.080	0.077	0.074	0.098	0.109	0.122	*Q	0.9982
103)	T	3,3'-Dimethylbenzidine			0.593	0.660	0.700	0.676	0.865	0.857	0.806	*L	0.9971
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.601	1.212	1.376	1.301	1.272	1.244	1.317	1.203	1.034	1.284	11.88
106)	T	3,3'-Dichlorobenzidine	0.484	0.379	0.450	0.441	0.460	0.466	0.523	0.512	0.497	0.468	9.31
107)	T	Chrysene	1.675	1.240	1.402	1.329	1.232	1.205	1.249	1.091	0.910	1.259	16.66
108)	T	bis(2-Ethylhexyl)phthalate	0.620	0.525	0.597	0.603	0.661	0.610	0.702	0.753	0.677	0.639	10.51

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Arcadis of New York, Inc.**	**Lab Number**	**: L2467254**
Project Name	**: NYSEG-GOSHEN FORMER MGP SITE**	**Project Number**	**: 30113059**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21241**
Calibration dates	**: 06/25/24 20:18 06/26/24 07:31**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D

L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109)	T	Di-n-octylphthalate	0.924	0.768	0.917	0.888	1.018	0.992	1.151	1.177	0.974	0.979	13.03
110)	T	Benzo(b)fluoranthene	1.582	1.244	1.467	1.388	1.283	1.299	1.315	1.163	1.116	1.317	11.01
111)	T	Benzo(k)fluoranthene	1.265	1.114	1.303	1.202	1.228	1.278	1.375	1.175	0.881	1.202	11.84
112)	T	Benzo(a)pyrene	1.261	1.054	1.246	1.174	1.126	1.174	1.245	1.108	0.956	1.149	8.76
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.192	0.988	1.118	1.057	1.007	1.143	1.162	1.212	1.186	1.118	7.36
115)	T	Dibenzo[a,h]anthracene	1.040	0.931	1.151	1.098	1.025	1.080	1.151	1.109	1.027	1.068	6.60
116)	T	Benzo(g,h,i)perylene	1.205	1.041	1.145	1.079	1.012	1.062	1.104	1.049	1.001	1.078	6.06

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Arcadis of New York, Inc.**	**Lab Number**	**: L2467254**
Project Name	**: NYSEG-GOSHEN FORMER MGP SITE**	**Project Number**	**: 30113059**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D

L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.688	0.547	0.631	0.657	0.592	0.619	0.625	0.637	0.677	0.630	6.87
3)	t	Pyridine	0.718	0.742	0.925	1.043	0.961	1.016	1.039	1.024	1.118	0.954	14.48
4)	S	2-Fluorophenol	1.049	1.004	1.119	1.011	0.907	1.005	1.012	1.034	1.114	1.028	6.19
5)	T	Aniline	1.820	1.428	1.670	1.497	1.407	1.535	1.513	1.561	1.671	1.567	8.42
6)	t	2-Chlorophenol	1.412	1.055	1.248	1.201	1.124	1.210	1.219	1.242	1.314	1.225	8.34
7)	S	Phenol-d6	1.562	1.289	1.387	1.281	1.108	1.276	1.276	1.308	1.365	1.317	9.16
8)	T	Phenol	1.717	1.324	1.459	1.383	1.257	1.388	1.373	1.397	1.488	1.421	9.16
9)	T	bis(2-Chloroethyl)ether	1.289	0.906	1.073	0.962	0.928	0.981	0.987	0.993	1.037	1.017	11.18
10)	T	1,3-Dichlorobenzene	1.989	1.455	1.700	1.552	1.372	1.510	1.497	1.511	1.602	1.577	11.40
11)	T	1,4-Dichlorobenzene	2.118	1.551	1.603	1.571	1.432	1.536	1.512	1.529	1.633	1.610	12.35
12)	T	1,2-Dichlorobenzene	1.695	1.566	1.655	1.525	1.383	1.466	1.447	1.489	1.583	1.534	6.57
13)	t	Benzyl alcohol	1.016	0.858	0.891	0.896	0.818	0.912	0.930	0.995	1.055	0.930	8.32
14)	T	bis(2-chloroisopropyl)ether	2.239	1.745	1.843	1.773	1.610	1.706	1.707	1.728	1.793	1.794	9.98
15)	T	2-Methylphenol	1.301	1.037	1.137	1.033	0.949	1.014	1.050	1.065	1.130	1.079	9.34
16)	T	Hexachloroethane	0.791	0.505	0.620	0.596	0.507	0.543	0.558	0.571	0.615	0.589	14.63
17)	T	n-Nitrosodi-n-propylamine	1.121	0.834	0.856	0.811	0.724	0.813	0.829	0.866	0.909	0.863	12.65
18)	T	3-Methylphenol/4-Methylphenol	1.510	1.200	1.173	1.153	0.986	1.108	1.108	1.166	1.239	1.182	12.02
19)	S	Nitrobenzene-d5	1.239	1.148	1.175	1.191	1.071	1.176	1.187	1.238	1.328	1.195	5.92
20)	T	Nitrobenzene	1.353	1.122	1.287	1.162	1.081	1.203	1.212	1.254	1.326	1.222	7.51
21)	T	Isophorone	2.724	2.161	2.268	2.038	1.932	2.172	2.181	2.313	2.433	2.247	10.29
22)	T	2-Nitrophenol	0.655	0.587	0.609	0.564	0.538	0.598	0.623	0.674	0.721	0.619	9.18
23)	T	2,4-Dimethylphenol	1.368	1.006	1.085	1.051	0.963	1.062	1.074	1.108	1.188	1.101	10.75
24)	T	bis(2-Chloroethoxy)methane	1.605	1.319	1.550	1.332	1.236	1.352	1.353	1.401	1.451	1.400	8.36
25)	T	2,4-Dichlorophenol	1.548	1.174	1.340	1.190	1.118	1.246	1.245	1.307	1.399	1.285	10.22
26)	T	1,2,4-Trichlorobenzene	1.977	1.522	1.585	1.488	1.349	1.476	1.475	1.515	1.611	1.555	11.25
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.535	0.565	0.698	0.703	0.698	0.762	0.770	0.814	0.786	0.703	13.73
29)	T	Acetophenone	1.107	1.282	1.407	1.330	1.361	1.463	1.521	1.608	1.552	1.403	11.02
30)	T	m-Toluidine			1.080	1.092	1.257	1.323	1.390	1.457	1.409	1.287	11.76
31)	T	2-Chloroaniline	1.078	1.270	1.369	1.264	1.363	1.427	1.471	1.559	1.510	1.368	10.81
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.252	0.402	0.398	0.392	0.404	0.400	0.409	0.392	0.381	13.71
34)	t	n-Nitrosodieth		0.349	0.372	0.347	0.382	0.401	0.414	0.437	0.420	0.390	8.57
35)	T	n-Decane	0.828	1.074	1.101	0.967	1.017	1.097	1.087	1.158	1.107	1.048	9.45
36)	t	n-Nitrosopyrro	0.287	0.406	0.461	0.431	0.441	0.486	0.521	0.550	0.537	0.458	17.68

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Arcadis of New York, Inc.**	**Lab Number**	**: L2467254**
Project Name	**: NYSEG-GOSHEN FORMER MGP SITE**	**Project Number**	**: 30113059**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37)	I	IS1_Naphthalene-d8	----------ISTD----------										
38)	T	Naphthalene	1.453	1.116	1.167	1.048	0.965	1.022	1.010	1.038	1.082	1.100	13.19
39)	T	Benzoic Acid					0.170	0.206	0.226	0.257	0.279	0.228	18.76
40)	T	4-Chloroaniline	0.150	0.114	0.123	0.117	0.108	0.118	0.114	0.119	0.125	0.121	9.98
41)	T	Hexachlorobutadiene	0.298	0.234	0.285	0.254	0.231	0.250	0.249	0.255	0.270	0.258	8.55
42)	T	p-Chloro-m-cresol	0.342	0.278	0.308	0.267	0.246	0.280	0.275	0.298	0.315	0.290	9.94
43)	T	2-Methylnaphthalene	1.045	0.738	0.807	0.705	0.659	0.700	0.706	0.729	0.763	0.761	15.02
44)	T	1-Methylnaphthalene	0.321	0.228	0.254	0.233	0.207	0.232	0.225	0.231	0.246	0.242	13.41
45)	T	Hexachlorocyclopentadiene	0.297	0.225	0.280	0.262	0.240	0.269	0.274	0.291	0.311	0.272	10.00
46)	T	2,4,6-Trichlorophenol	0.326	0.279	0.279	0.267	0.250	0.278	0.282	0.300	0.320	0.287	8.51
47)	T	2,4,5-Trichlorophenol	0.399	0.300	0.312	0.309	0.278	0.301	0.313	0.325	0.347	0.320	10.95
48)	S	2-Fluorobiphenyl	1.386	0.978	1.052	0.941	0.852	0.912	0.902	0.920	0.968	0.990	16.04
49)	T	2-Chloronaphthalene	1.113	0.897	0.884	0.813	0.728	0.799	0.774	0.811	0.853	0.852	13.02
50)	T	2-Nitroaniline	0.220	0.198	0.212	0.207	0.184	0.216	0.223	0.243	0.260	0.218	10.43
51)	T	1,4-Dinitrobenzene	0.093	0.063	0.090	0.090	0.086	0.094	0.101	0.113	0.122	0.095	17.69
52)	T	1,3-Dinitrobenzene	0.108	0.093	0.120	0.105	0.098	0.114	0.117	0.129	0.137	0.113	12.53
53)	T	Dimethyl phthalate	1.318	0.991	1.021	0.936	0.866	0.923	0.912	0.953	0.998	0.991	13.29
54)	T	Acenaphthylene	1.586	1.204	1.302	1.203	1.092	1.183	1.181	1.230	1.286	1.252	11.14
55)	T	2,6-Dinitrotoluene	0.192	0.157	0.185	0.174	0.167	0.186	0.187	0.201	0.215	0.185	9.50
56)	T	1,2-Dinitrobenzene		0.043	0.065	0.067	0.062	0.070	0.069	0.073	0.080	0.066	16.02
57)	I	IS2_Naphthalene-d8	----------ISTD----------										
58)	T	a-Terpineol	0.162	0.210	0.212	0.213	0.210	0.235	0.239	0.261	0.251	0.221	13.16
59)	T	3-Chloroaniline		0.086	0.112	0.111	0.106	0.125	0.121	0.129	0.125	0.115	12.17
60)	T	2,6-Dichlorophenol	0.250	0.246	0.297	0.277	0.286	0.319	0.317	0.339	0.329	0.296	11.35
61)	T	1-chloro-2-nitrobenzene	0.068	0.091	0.114	0.114	0.114	0.126	0.124	0.137	0.133	0.113	19.26
62)	T	Caprolactam	0.115	0.103	0.112	0.114	0.113	0.127	0.132	0.146	0.142	0.123	12.07
63)	T	1,2,4,5-Tetrachlorobenzene	0.355	0.419	0.415	0.393	0.401	0.437	0.417	0.450	0.429	0.413	6.76
64)	T	Biphenyl	0.719	0.789	0.880	0.804	0.823	0.897	0.870	0.918	0.876	0.842	7.51
65)	I	IS1_Acenaphthene-d10	----------ISTD----------										
66)	T	3-Nitroaniline	0.312	0.289	0.294	0.288	0.284	0.310	0.324	0.332	0.349	0.309	7.30
67)	T	Acenaphthene	1.665	1.203	1.195	1.092	1.004	1.062	1.049	1.077	1.122	1.163	17.13
68)	T	2,4-Dinitrophenol				0.130	0.149	0.172	0.185	0.208	0.226	*L	0.9959
69)	T	Dibenzofuran	2.796	2.124	2.085	1.944	1.749	1.824	1.814	1.833	1.885	2.006	16.04
70)	T	2,4-Dinitrotoluene	0.373	0.326	0.366	0.349	0.361	0.402	0.410	0.433	0.464	0.387	11.29
71)	T	4-Nitrophenol	0.229	0.206	0.209	0.221	0.208	0.233	0.237	0.255	0.273	0.230	9.86
72)	T	2,3,5,6-Tetrachlorophenol	0.465	0.419	0.459	0.406	0.390	0.425	0.429	0.454	0.481	0.436	6.86

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Arcadis of New York, Inc.**	**Lab Number**	**: L2467254**
Project Name	**: NYSEG-GOSHEN FORMER MGP SITE**	**Project Number**	**: 30113059**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
73)	T	2,3,4,6-Tetrachlorophenol	0.536	0.376	0.418	0.411	0.383	0.413	0.421	0.432	0.461	0.428	11.15	
74)	T	Diethyl phthalate	2.187	1.601	1.621	1.458	1.366	1.435	1.445	1.489	1.570	1.575	15.53	
75)	T	Fluorene	2.060	1.606	1.598	1.495	1.311	1.420	1.399	1.439	1.498	1.536	14.16	
76)	T	4-Chlorophenyl-phenylether	1.099	0.823	0.819	0.767	0.683	0.722	0.716	0.736	0.762	0.792	15.66	
77)	T	4-Nitroaniline	0.236	0.258	0.299	0.296	0.275	0.312	0.317	0.337	0.357	0.299	12.76	
78)	T	4,6-Dinitro-o-cresol	0.240	0.149	0.221	0.215	0.210	0.242	0.251	0.278	0.300	0.234	18.54	
79)	T	NDPA/DPA	1.902	1.355	1.398	1.272	1.134	1.220	1.202	1.245	1.300	1.337	16.94	
80)	T	Azobenzene	1.550	1.299	1.365	1.219	1.116	1.216	1.210	1.254	1.298	1.281	9.61	
81)	S	2,4,6-Tribromophenol	0.315	0.286	0.278	0.265	0.249	0.272	0.276	0.299	0.332	0.286	8.99	
82)	T	4-Bromophenyl-phenylether	0.722	0.544	0.560	0.476	0.442	0.474	0.474	0.485	0.517	0.522	16.10	
83)	T	Hexachlorobenzene	0.895	0.718	0.682	0.616	0.571	0.586	0.579	0.605	0.656	0.656	15.60	
84)	T	Pentachlorophenol	0.372	0.280	0.312	0.320	0.315	0.357	0.379	0.412	0.455	0.356	15.51	
85)	I	IS2_Acenaphthene-d10	----------ISTD----------											
86)	T	Dichloran		0.151	0.132	0.142	0.146	0.165	0.185	0.214	0.217	0.169	19.47	
87)	T	Pentachloronitrobenzene			0.157	0.173	0.164	0.181	0.190	0.220	0.221	0.187	13.74	
88)	I	IS3_Acenaphthene-d10	----------ISTD----------											
89)	T	Atrazine	0.307	0.322	0.368	0.285	0.313	0.342	0.350	0.401	0.400	0.343	11.90	
90)	I	IS1_Phenanthrene-d10	----------ISTD----------											
91)	T	Phenanthrene	1.655	1.246	1.214	1.134	1.019	1.085	1.072	1.100	1.119	1.183	16.11	
92)	T	Anthracene	1.572	1.147	1.191	1.098	1.017	1.082	1.065	1.115	1.153	1.160	14.06	
93)	T	Carbazole	1.327	1.038	1.109	1.013	0.956	1.020	1.001	1.037	1.079	1.064	10.14	
94)	T	Di-n-butylphthalate	1.417	1.094	1.207	1.105	1.064	1.185	1.204	1.275	1.309	1.207	9.42	
95)	T	Fluoranthene	1.943	1.443	1.460	1.351	1.250	1.321	1.315	1.344	1.374	1.422	14.44	
96)	T	Benzidine	0.815	0.657	0.698	0.696	0.708	0.801	0.818	0.853	0.900	0.772	10.90	
97)	T	Pyrene	2.028	1.546	1.562	1.479	1.353	1.429	1.397	1.427	1.456	1.520	13.29	
98)	S	4-Terphenyl-d14	1.660	1.139	1.202	1.092	1.007	1.066	1.052	1.085	1.114	1.157	16.95	
99)	T	Butyl benzyl phthalate	0.567	0.415	0.479	0.447	0.453	0.520	0.541	0.594	0.635	0.517	14.34	
100)	I	IS2_Phenanthrene-d10	----------ISTD----------											
101)	T	Diphenamid	0.347	0.380	0.392	0.377	0.390	0.434	0.456	0.494	0.474	0.416	12.13	
102)	I	IS3_Phenanthrene-d10	----------ISTD----------											
103)	T	n-Octadecane	0.279	0.354	0.355	0.289	0.309	0.332	0.347	0.369	0.369	0.334	10.10	
104)	T	Parathion			0.076	0.062	0.069	0.074	0.086	0.106	0.115		*Q	0.9978
105)	T	3,3'-Dimethylbenzidine				0.425	0.542	0.649	0.734	0.845	0.870		*L	0.9972
106)	I	IS1_Chrysene-d12	----------ISTD----------											
107)	T	Benzo[a]anthracene	1.869	1.383	1.408	1.283	1.164	1.251	1.262	1.278	1.301	1.355	15.16	
108)	T	3,3'-Dichlorobenzidine	0.587	0.439	0.489	0.467	0.455	0.503	0.519	0.533	0.552	0.505	9.52	

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Arcadis of New York, Inc.**	**Lab Number**	**: L2467254**
Project Name	**: NYSEG-GOSHEN FORMER MGP SITE**	**Project Number**	**: 30113059**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D

L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109)	T	Chrysene	1.959	1.373	1.454	1.290	1.162	1.224	1.199	1.230	1.250	1.349	18.23
110)	T	bis(2-Ethylhexyl)phthalate	0.831	0.597	0.665	0.632	0.630	0.732	0.775	0.822	0.855	0.726	13.56
111)	T	Di-n-octylphthalate	1.380	1.021	1.044	1.017	1.027	1.217	1.316	1.411	1.473	1.212	15.54
112)	T	Benzo(b)fluoranthene	1.822	1.402	1.469	1.372	1.282	1.313	1.333	1.348	1.437	1.420	11.43
113)	T	Benzo(k)fluoranthene	1.743	1.264	1.425	1.314	1.209	1.355	1.362	1.367	1.409	1.383	10.93
114)	T	Benzo(a)pyrene	1.495	1.196	1.246	1.206	1.127	1.232	1.262	1.289	1.349	1.267	8.34
115)	I	IS1_Perylene-d12	----------ISTD----------										
116)	T	Indeno(1,2,3-cd)pyrene	1.598	1.131	1.193	1.086	1.057	1.169	1.203	1.283	1.387	1.234	13.71
117)	T	Dibenzo[a,h]anthracene	1.503	1.130	1.213	1.140	1.076	1.169	1.186	1.217	1.281	1.213	10.21
118)	T	Benzo(g,h,i)perylene	1.547	1.172	1.230	1.097	1.024	1.118	1.137	1.171	1.234	1.192	12.43

Response Factor Report SV112

Method Path : I:\8270\SV112\240625RVTical\
Method File : FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Jul 01 06:16:22 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	T	N-Nitrosodimethylamine	0.562	0.547	0.668	0.671	0.658	0.715	0.737	0.691	0.666	0.657	9.69
3)	T	Pyridine	0.765	0.804	1.096	1.064	1.020	1.187	1.214	1.164	1.068	1.043	15.30
4)	S	2-Fluorophenol	1.042	0.902	1.137	1.062	1.020	1.069	1.112	1.061	1.048	1.050	6.30
5)	T	Aniline	2.034	1.689	1.779	1.844	1.753	1.761	1.854	1.790	1.794	1.811	5.35
6)	T	2-Chlorophenol	1.446	1.123	1.293	1.241	1.188	1.224	1.274	1.223	1.242	1.251	7.06
7)	S	Phenol-d6	1.528	1.195	1.365	1.305	1.289	1.368	1.414	1.357	1.387	1.357	6.75
8)	T	Phenol	1.817	1.428	1.559	1.538	1.527	1.566	1.627	1.557	1.574	1.577	6.62
9)	T	bis(2-Chloroethyl)ether	1.421	1.058	1.219	1.151	1.143	1.120	1.163	1.115	1.115	1.167	8.96
10)	T	1,3-Dichlorobenzene	1.825	1.427	1.538	1.518	1.438	1.487	1.482	1.424	1.436	1.508	8.33
11)	T	1,4-Dichlorobenzene	1.923	1.640	1.694	1.536	1.486	1.486	1.516	1.438	1.453	1.575	9.88
12)	T	1,2-Dichlorobenzene	1.745	1.340	1.594	1.450	1.424	1.428	1.446	1.404	1.447	1.475	8.21
13)	T	Benzyl alcohol	0.853	0.833	0.903	0.958	0.947	0.948	1.013	1.009	1.039	0.945	7.55
14)	T	bis(2-chloroisopropyl)ether	1.542	1.444	1.529	1.423	1.507	1.427	1.472	1.462	1.466	1.475	2.91
15)	T	2-Methylphenol	1.068	0.979	1.057	1.054	1.005	1.051	1.101	1.074	1.118	1.056	4.08
16)	T	Hexachloroethane	0.605	0.534	0.540	0.589	0.515	0.542	0.556	0.550	0.587	0.558	5.34
17)	T	n-Nitrosodi-n-propylamine	0.857	0.797	0.848	0.850	0.863	0.844	0.894	0.895	0.940	0.865	4.65
18)	T	3-Methylphenol/4-Methylphenol	1.109	1.056	1.147	1.130	1.122	1.166	1.205	1.181	1.237	1.150	4.72
19)	S	Nitrobenzene-d5	1.364	1.174	1.284	1.255	1.256	1.289	1.357	1.316	1.350	1.294	4.73
20)	T	Nitrobenzene	1.374	1.167	1.255	1.249	1.268	1.288	1.348	1.313	1.342	1.289	4.92
21)	T	Isophorone	2.526	2.023	2.282	2.274	2.361	2.267	2.412	2.399	2.410	2.328	6.09
22)	T	2-Nitrophenol	0.572	0.455	0.543	0.529	0.574	0.574	0.614	0.643	0.665	0.574	10.96
23)	T	2,4-Dimethylphenol	1.050	0.967	1.174	1.119	1.111	1.004	1.135	1.146	1.205	1.101	7.16
24)	T	bis(2-Chloroethoxy)methane	1.755	1.546	1.604	1.513	1.557	1.463	1.547	1.531	1.587	1.567	5.19
25)	T	2,4-Dichlorophenol	1.200	1.008	1.072	1.112	1.136	1.123	1.219	1.218	1.285	1.153	7.42
26)	T	1,2,4-Trichlorobenzene	1.821	1.484	1.450	1.478	1.378	1.332	1.381	1.373	1.442	1.460	9.94
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	1.040	0.972	1.109	1.072	1.093	1.082	1.162	1.162	1.149	1.094	5.70
29)	T	Acetophenone	1.672	1.587	1.917	1.903	1.905	1.998	2.059	2.064	2.024	1.903	8.87
30)	T	m-Toluidine	1.624	1.422	1.775	1.781	1.812	1.920	2.030	2.045	2.045	1.828	11.53
31)	T	2-Chloroaniline	1.694	1.374	1.765	1.690	1.753	1.785	1.883	1.869	1.863	1.742	8.93
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.421	0.595	0.567	0.467	0.415	0.448	0.424	0.426	0.470	15.01
34)	T	n-Decane	1.220	0.970	1.192	1.255	1.127	1.060	1.191	1.145	1.149	1.145	7.58
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.266	1.035	1.152	1.087	1.005	0.997	1.043	0.966	0.888	1.049	10.49
37)	T	Benzoic Acid					0.129	0.163	0.217	0.243	0.251	*L	0.9992
38)	T	4-Chloroaniline	0.080	0.126	0.116	0.116	0.123	0.117	0.126	0.128	0.129	0.118	12.79
39)	T	Hexachlorobutadiene	0.283	0.225	0.275	0.254	0.226	0.226	0.241	0.236	0.246	0.246	8.74
40)	T	p-Chloro-m-cresol	0.262	0.248	0.265	0.272	0.279	0.270	0.296	0.299	0.302	0.277	6.77
41)	T	2-Methylnaphthalene	0.846	0.703	0.755	0.742	0.670	0.650	0.700	0.683	0.670	0.713	8.47
42)	T	1-Methylnaphthalene	0.316	0.233	0.258	0.237	0.231	0.218	0.236	0.235	0.243	0.245	11.70
43)	T	Hexachlorocyclopentadiene	0.245	0.228	0.273	0.253	0.241	0.226	0.253	0.261	0.279	0.251	7.32
44)	T	2,4,6-Trichlorophenol	0.256	0.222	0.245	0.252	0.255	0.249	0.272	0.275	0.281	0.256	7.06
45)	T	2,4,5-Trichlorophenol	0.242	0.215	0.272	0.252	0.257	0.258	0.278	0.287	0.301	0.262	9.81

Method Path : I:\8270\SV112\240625RVTical\
Method File : FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Jul 01 06:16:22 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
46)	S	2-Fluorobiphenyl	1.108	0.906	0.959	0.931	0.893	0.820	0.871	0.845	0.809	0.904	10.04	
47)	T	2-Chloronaphthalene	0.947	0.735	0.788	0.772	0.738	0.697	0.735	0.717	0.699	0.759	10.11	
48)	T	2-Nitroaniline	0.189	0.160	0.201	0.186	0.193	0.191	0.219	0.231	0.235	0.200	11.96	
49)	T	1,4-Dinitrobenzene	0.083	0.069	0.090	0.093	0.097	0.095	0.111	0.122	0.125	0.098	18.43	
50)	T	1,3-Dinitrobenzene	0.094	0.088	0.105	0.107	0.111	0.110	0.126	0.138	0.147	0.114	17.21	
51)	T	Dimethyl phthalate	1.140	0.882	1.009	0.933	0.924	0.827	0.876	0.885	0.829	0.923	10.69	
52)	T	Acenaphthylene	1.278	1.043	1.196	1.115	1.136	1.059	1.125	1.115	1.011	1.120	7.23	
53)	T	2,6-Dinitrotoluene	0.173	0.138	0.163	0.165	0.177	0.163	0.181	0.195	0.199	0.173	10.72	
54)	T	1,2-Dinitrobenzene			0.062	0.068	0.072	0.070	0.080	0.088	0.091	0.076	14.13	
55)	I	IS2_Naphthalene-d8	----------ISTD----------											
56)	T	a-Terpineol	0.269	0.222	0.274	0.268	0.264	0.279	0.299	0.310	0.310	0.277	9.94	
57)	T	3-Chloroaniline		0.104	0.168	0.149	0.143	0.149	0.158	0.163	0.168	0.150	13.96	
58)	T	2,6-Dichlorophenol	0.313	0.261	0.306	0.302	0.317	0.335	0.366	0.365	0.371	0.326	11.19	
59)	T	1-chloro-2-nitrobenzene	0.113	0.111	0.143	0.146	0.133	0.146	0.162	0.167	0.168	0.143	14.67	
60)	T	Caprolactam				0.126	0.131	0.155	0.174	0.178	0.183	*L	0.9990	
61)	T	1,2,4,5-Tetrachlorobenzene	0.481	0.431	0.503	0.503	0.461	0.474	0.493	0.488	0.478	0.479	4.71	
62)	T	Biphenyl	1.095	0.927	1.090	1.060	1.016	1.018	1.066	1.031	0.935	1.026	5.96	
63)	I	IS1_Acenaphthene-d10	----------ISTD----------											
64)	T	3-Nitroaniline	0.252	0.237	0.287	0.294	0.299	0.308	0.339	0.336	0.337	0.299	12.23	
65)	T	Acenaphthene	1.314	1.113	1.226	1.123	1.053	1.036	1.084	1.054	1.029	1.115	8.64	
66)	T	2,4-Dinitrophenol			0.079	0.095	0.133	0.147	0.168	0.191	0.195	*Q	0.9985	
67)	T	Dibenzofuran	2.211	1.799	2.086	1.945	1.751	1.726	1.777	1.698	1.542	1.837	11.29	
68)	T	2,4-Dinitrotoluene	0.319	0.294	0.352	0.365	0.387	0.389	0.418	0.459	0.468	0.383	15.30	
69)	T	4-Nitrophenol	0.317	0.249	0.284	0.274	0.264	0.286	0.308	0.313	0.311	0.290	8.32	
70)	T	2,3,5,6-Tetrachlorophenol	0.349	0.273	0.359	0.360	0.382	0.387	0.416	0.430	0.434	0.377	13.18	
71)	T	2,3,4,6-Tetrachlorophenol	0.327	0.272	0.371	0.360	0.389	0.365	0.400	0.421	0.424	0.370	12.93	
72)	T	Diethyl phthalate	1.798	1.445	1.599	1.494	1.494	1.341	1.413	1.434	1.361	1.487	9.42	
73)	T	Fluorene	1.722	1.358	1.548	1.423	1.385	1.344	1.395	1.386	1.317	1.431	8.89	
74)	T	4-Chlorophenyl-phenylether	0.957	0.826	0.818	0.791	0.738	0.691	0.715	0.740	0.741	0.780	10.31	
75)	T	4-Nitroaniline	0.243	0.230	0.295	0.325	0.330	0.334	0.361	0.368	0.344	0.314	15.56	
76)	T	4,6-Dinitro-o-cresol		0.090	0.161	0.181	0.205	0.204	0.232	0.261	0.263	*L	0.9966	
77)	T	NDPA/DPA	1.445	1.148	1.297	1.268	1.198	1.152	1.215	1.205	1.148	1.231	7.78	
78)	T	Azobenzene	1.524	1.129	1.373	1.336	1.302	1.260	1.305	1.296	1.220	1.305	8.30	
79)	S	2,4,6-Tribromophenol			0.253	0.239	0.249	0.236	0.255	0.277	0.288	0.257	7.47	
80)	T	4-Bromophenyl-phenylether	0.639	0.500	0.517	0.492	0.471	0.440	0.462	0.485	0.490	0.500	11.37	
81)	T	Hexachlorobenzene	0.879	0.616	0.680	0.640	0.584	0.529	0.554	0.574	0.592	0.628	16.66	
82)	T	Pentachlorophenol			0.259	0.272	0.303	0.302	0.345	0.384	0.391	0.322	16.23	
83)	I	IS2_Acenaphthene-d10	----------ISTD----------											
84)	T	Dichloran				0.160	0.184	0.198	0.225	0.256	0.269	*L	0.9964	
85)	T	Pentachloronitrobenzene			0.200	0.205	0.213	0.226	0.246	0.272	0.282	0.235	13.89	
86)	I	IS3_Acenaphthene-d10	----------ISTD----------											
87)	T	Atrazine	0.389	0.299	0.438	0.468	0.450	0.397	0.506	0.509	0.516	0.441	16.04	
88)	I	IS1_Phenanthrene-d10	----------ISTD----------											
89)	T	Phenanthrene	1.320	1.071	1.173	1.090	1.015	1.012	1.045	0.947	0.850	1.058	12.62	
90)	T	Anthracene	1.256	1.017	1.087	1.043	1.001	0.996	1.069	0.971	0.876	1.035	9.97	

Response Factor Report SV112

Method Path : I:\8270\SV112\240625RVTical\
Method File : FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Jul 01 06:16:22 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

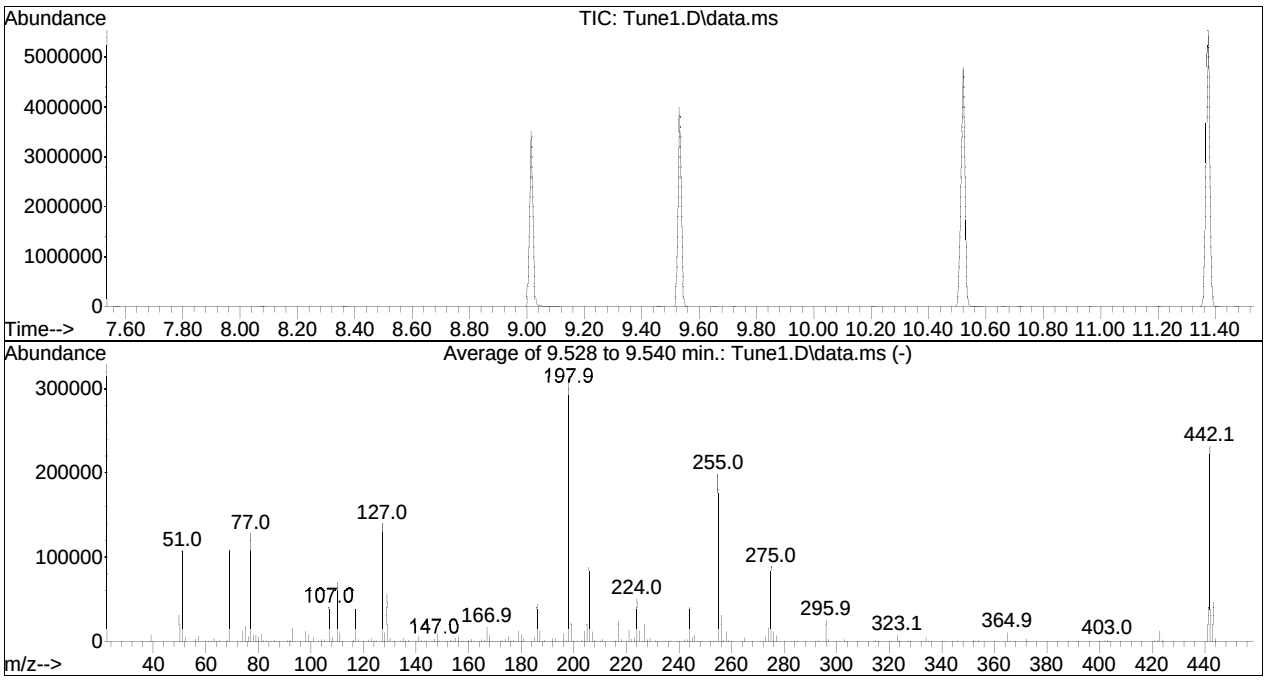
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Carbazole	1.052	0.896	1.012	0.948	0.942	0.948	1.001	0.904	0.827	0.948	7.18
92)	T	Di-n-butylphthalate	1.109	0.955	1.058	1.048	1.078	0.981	1.100	1.066	0.910	1.034	6.68
93)	T	Fluoranthene	1.499	1.186	1.326	1.251	1.214	1.178	1.266	1.147	0.982	1.228	11.39
94)	T	Benzidine	0.637	0.494	0.641	0.646	0.698	0.700	0.797	0.760	0.702	0.675	12.87
95)	T	Pyrene	1.601	1.214	1.406	1.321	1.304	1.289	1.345	1.209	1.024	1.301	12.03
96)	S	4-Terphenyl-d14	1.228	0.991	1.112	1.049	1.046	0.959	1.026	0.978	0.869	1.029	9.83
97)	T	Butyl benzyl phthalate	0.487	0.361	0.434	0.413	0.452	0.421	0.491	0.535	0.524	0.458	12.35
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.509	0.383	0.468	0.508	0.502	0.532	0.578	0.597	0.558	0.515	12.43
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.312	0.243	0.299	0.318	0.319	0.280	0.358	0.350	0.355	0.315	12.02
102)	T	Parathion		0.054	0.076	0.080	0.077	0.074	0.098	0.109	0.122	*Q	0.9982
103)	T	3,3'-Dimethylbenzidine			0.593	0.660	0.700	0.676	0.865	0.857	0.806	*L	0.9971
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.601	1.212	1.376	1.301	1.272	1.244	1.317	1.203	1.034	1.284	11.88
106)	T	3,3'-Dichlorobenzidine	0.484	0.379	0.450	0.441	0.460	0.466	0.523	0.512	0.497	0.468	9.31
107)	T	Chrysene	1.675	1.240	1.402	1.329	1.232	1.205	1.249	1.091	0.910	1.259	16.66
108)	T	bis(2-Ethylhexyl)phthalate	0.620	0.525	0.597	0.603	0.661	0.610	0.702	0.753	0.677	0.639	10.51
109)	T	Di-n-octylphthalate	0.924	0.768	0.917	0.888	1.018	0.992	1.151	1.177	0.974	0.979	13.03
110)	T	Benzo(b)fluoranthene	1.582	1.244	1.467	1.388	1.283	1.299	1.315	1.163	1.116	1.317	11.01
111)	T	Benzo(k)fluoranthene	1.265	1.114	1.303	1.202	1.228	1.278	1.375	1.175	0.881	1.202	11.84
112)	T	Benzo(a)pyrene	1.261	1.054	1.246	1.174	1.126	1.174	1.245	1.108	0.956	1.149	8.76
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.192	0.988	1.118	1.057	1.007	1.143	1.162	1.212	1.186	1.118	7.36
115)	T	Dibenzo[a,h]anthracene	1.040	0.931	1.151	1.098	1.025	1.080	1.151	1.109	1.027	1.068	6.60
116)	T	Benzo(g,h,i)perylene	1.205	1.041	1.145	1.079	1.012	1.062	1.104	1.049	1.001	1.078	6.06

(#) = Out of Range

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune1.D
Acq On : 25 Jun 2024 07:55 pm
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 26 21:26:04 2024



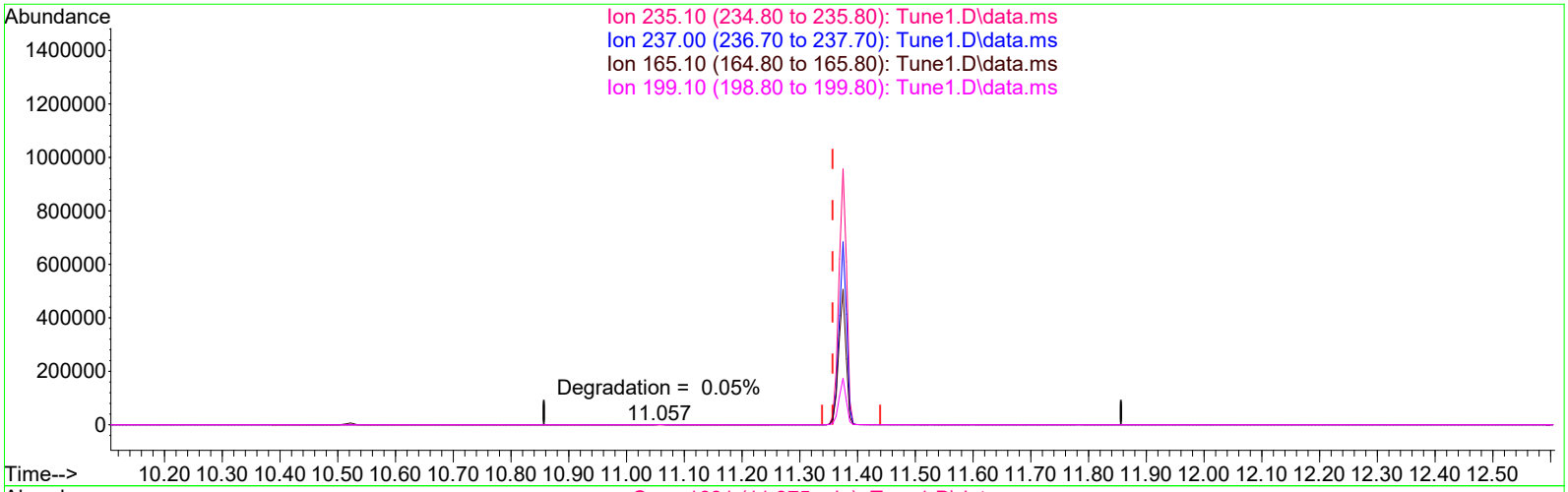
Spectrum Information: Average of 9.528 to 9.540 min.

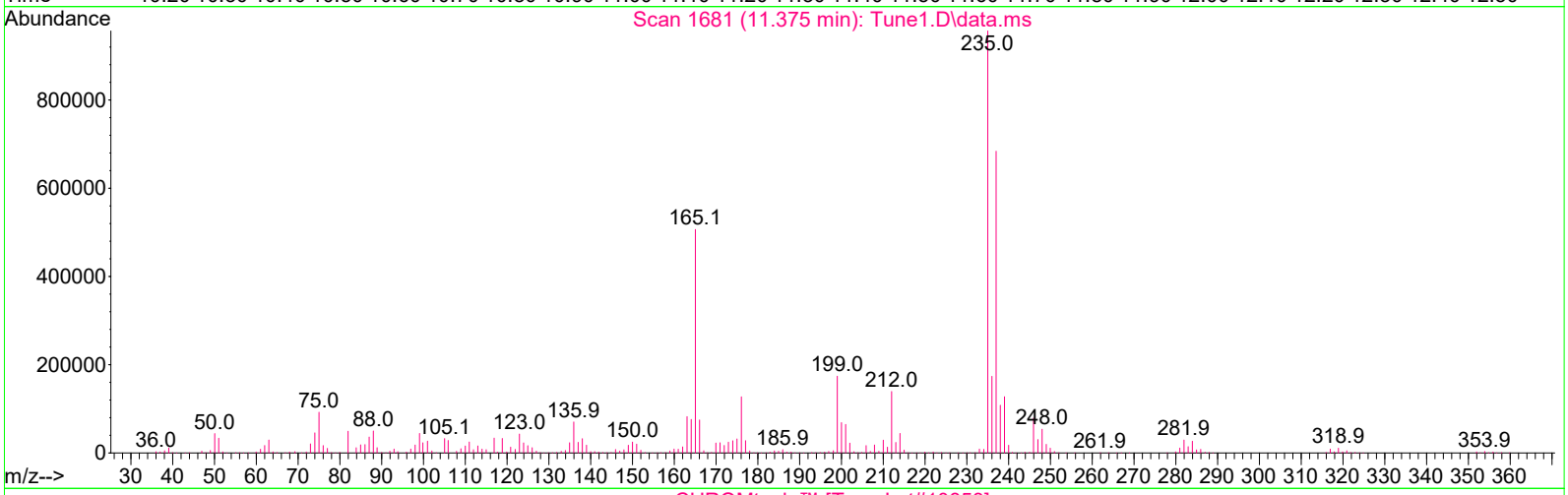
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.4	107589	PASS
68	69	0.00	2	1.7	1867	PASS
69	69	100	100	100.0	108645	PASS
70	69	0.00	2	0.5	539	PASS
127	198	10	80	44.6	139515	PASS
197	198	0.00	2	0.7	2272	PASS
198	198	100	100	100.0	313131	PASS
199	198	5	9	7.0	22069	PASS
275	198	10	60	28.2	88349	PASS
365	198	1	100	3.4	10597	PASS
441	442	0.01	24	17.5	40525	PASS
442	198	50	100	74.0	231659	PASS
443	442	15	24	20.0	46224	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune1.D
Acq On : 25 Jun 2024 07:55 pm
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:45:59 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(6) DDT (T)

11.375min (+ 0.018) 145.99

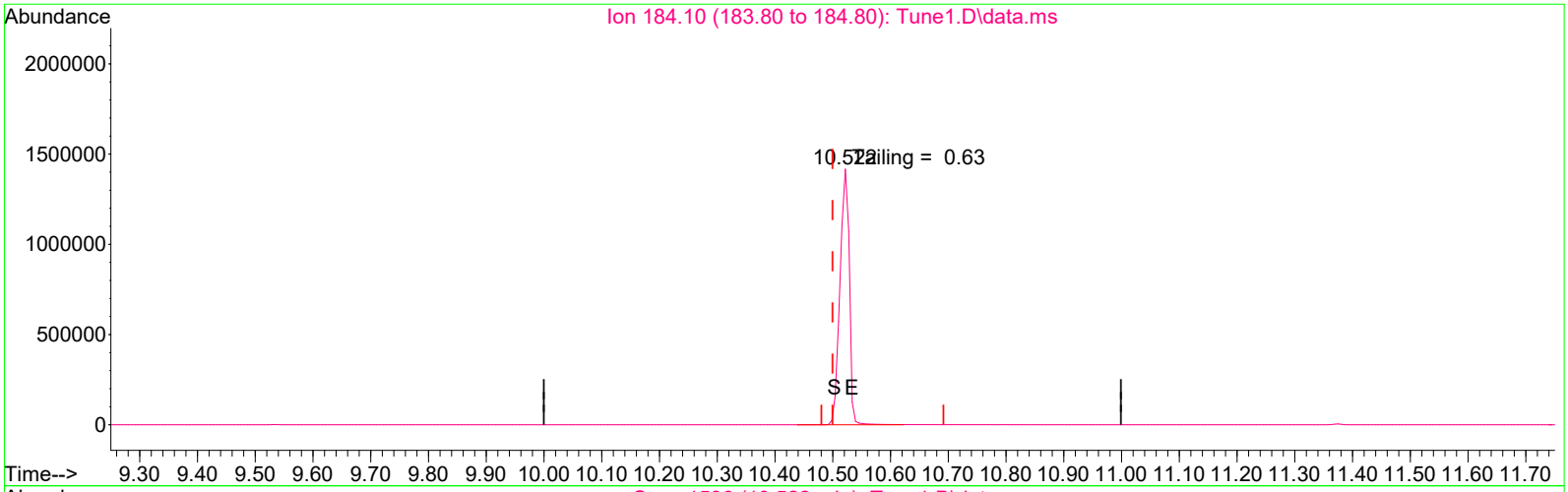
response 889919

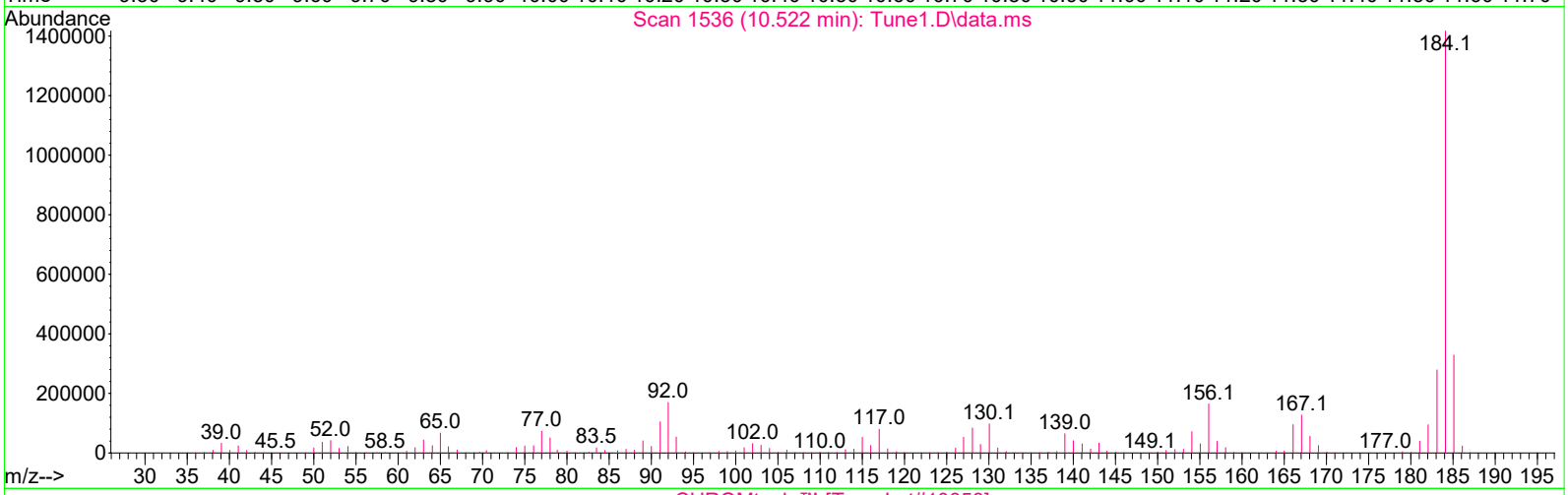
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	68.37
165.10	42.20	49.70
199.10	13.70	16.82

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune1.D
Acq On : 25 Jun 2024 07:55 pm
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:45:59 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(3) Benzidine (T)

10.522min (+ 0.022) 157.43

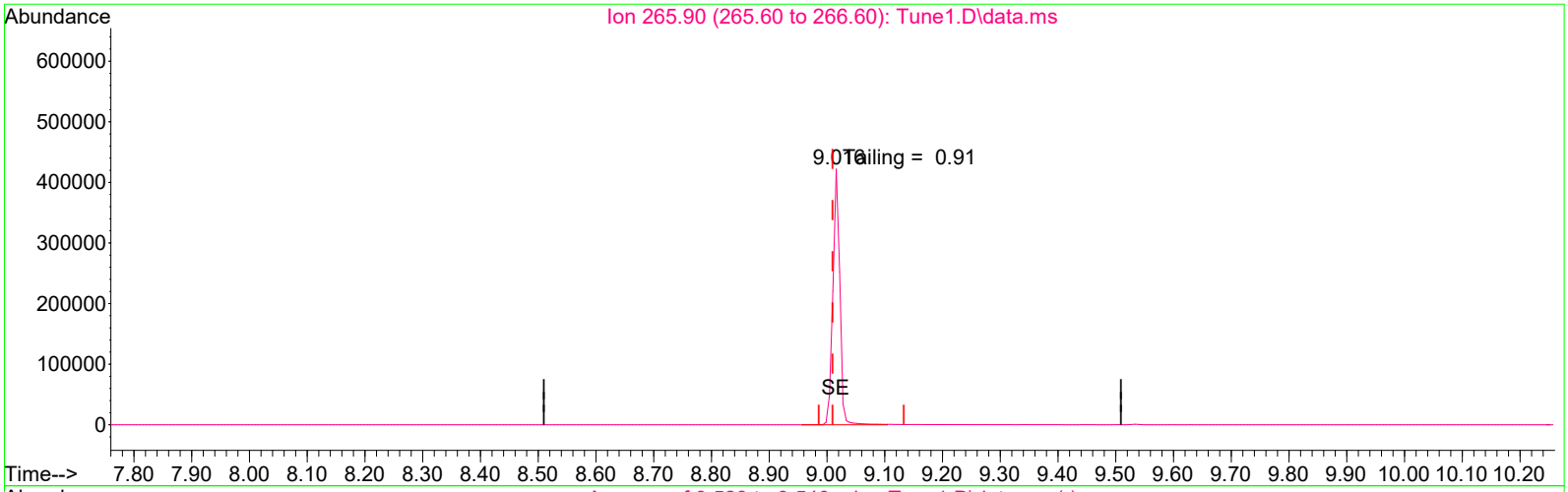
response 1602665

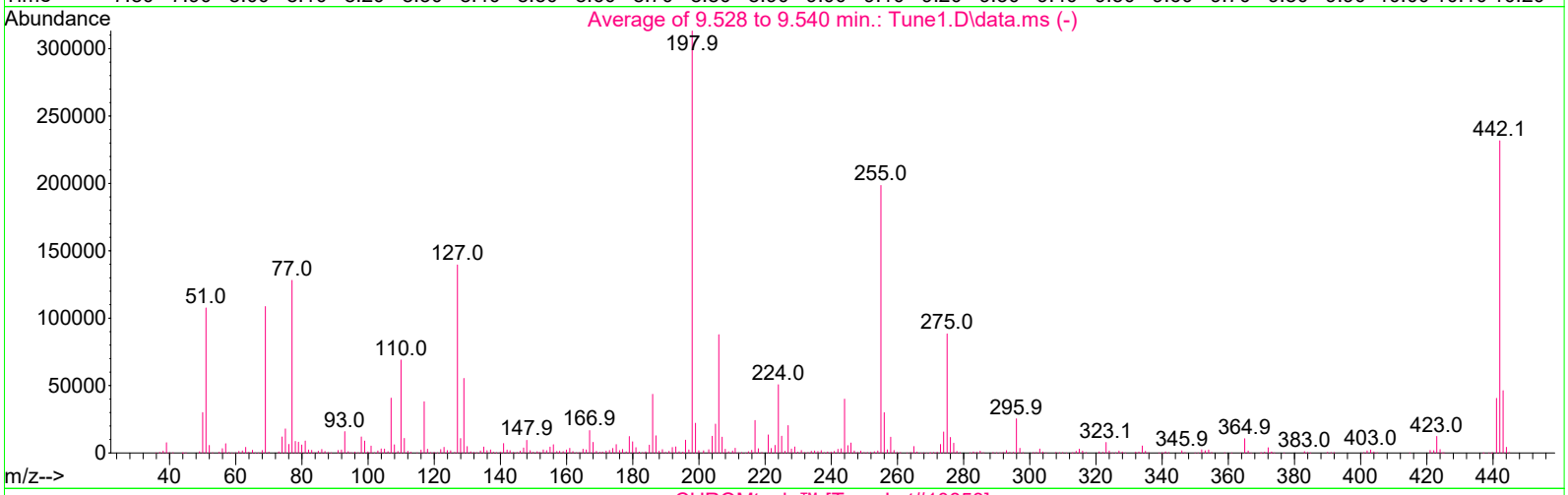
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune1.D
Acq On : 25 Jun 2024 07:55 pm
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:45:59 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(1) Pentachlorophenol (T)

9.016min (+ 0.006) 169.73

response 356498

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Duplicate Retention Times

(5) DDD 235.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL9.D
Acq On : 25 Jun 2024 08:18 pm
Operator : SV112:mrg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939943
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 14:02:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	23708	4.000 ug/ml	# 0.00
Standard Area 1 = 21265			Recovery = 111.49%		
35) IS1_Naphthalene-d8	6.046	136	94057	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 115.12%		
63) IS1_Acenaphthene-d10	7.752	164	61295	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 124.61%		
88) IS1_Phenanthrene-d10	9.181	188	128794	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 124.01%		
104) IS1_Chrysene-d12	11.834	240	145276	4.000 ug/ml	# 0.01
Standard Area 1 = 111228			Recovery = 130.61%		
113) IS1_Perylene-d12	13.304	264	150213	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 114.32%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.534	112	310628	49.898 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2494.90%#		
7) Phenol-d6	4.487	99	410892	51.106 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2555.30%#		
19) Nitrobenzene-d5	5.346	82	400136	52.175 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 5217.50%#		
46) 2-Fluorobiphenyl	7.110	172	951461	44.737 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4473.70%#		
79) 2,4,6-Tribromophenol	8.516	330	220777	61.071 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 3053.55%#		
96) 4-Terphenyl-d14	10.763	244	1399064	42.234 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4223.40%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.158	74	197238	50.642 ug/ml	97
3) Pyridine	2.187	79	316483	51.217 ug/ml	84
5) Aniline	4.487	93	531545	49.526 ug/ml#	48
6) 2-Chlorophenol	4.605	128	368119	49.662 ug/ml	96
8) Phenol	4.499	94	466545	49.917 ug/ml#	44
9) Bis(2-chloroethyl)ether	4.569	93	330552	47.780 ug/ml	96
10) 1,3-Dichlorobenzene	4.752	146	425498	47.593 ug/ml	97
11) 1,4-Dichlorobenzene	4.822	146	430635	46.143 ug/ml	96
12) 1,2-Dichlorobenzene	4.969	146	428672	49.023 ug/ml	96
13) Benzyl alcohol	4.958	79	308011	55.012 ug/ml	95
14) Bis(2-chloroisopropyl)...	5.093	45	434355	49.697 ug/ml#	53

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL9.D
Acq On : 25 Jun 2024 08:18 pm
Operator : SV112:mrg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939943
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 14:02:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
15) 2-Methylphenol	5.081	108	331313	52.912	ug/ml		98
16) Hexachloroethane	5.299	117	173998	52.641	ug/ml	#	67
17) n-Nitrosodi-n-propylamine	5.228	70	278423	54.294	ug/ml		100
18) 3-Methylphenol/4-Methy...	5.240	108	366732	53.785	ug/ml		98
20) Nitrobenzene	5.369	77	397558	52.020	ug/ml		98
21) Isophorone	5.610	82	714103	51.753	ug/ml		96
22) 2-Nitrophenol	5.681	139	197090	57.903	ug/ml		96
23) 2,4-Dimethylphenol	5.752	107	357001	54.697	ug/ml		98
24) Bis(2-chloroethoxy)met...	5.840	93	470425	50.649	ug/ml		97
25) 2,4-Dichlorophenol	5.922	162	380910	55.749	ug/ml		94
26) 1,2,4-Trichlorobenzene	5.999	180	427420	49.395	ug/ml		97
36) Naphthalene	6.063	128	1044031	42.342	ug/ml	#	92
37) Benzoic Acid	5.910	105	294521	52.720	ug/ml		97
38) 4-Chloroaniline	6.128	65	151590	54.707	ug/ml		97
39) Hexachlorobutadiene	6.210	225	289606	50.112	ug/ml		98
40) p-Chloro-m-cresol	6.622	107	355399	54.588	ug/ml		93
41) 2-Methylnaphthalene	6.740	142	787243	46.948	ug/ml		96
42) 1-Methylnaphthalene	6.834	115	285956	49.582	ug/ml		94
43) Hexachlorocyclopentadiene	6.910	237	327740	55.561	ug/ml		99
44) 2,4,6-Trichlorophenol	7.028	196	330658	54.830	ug/ml		99
45) 2,4,5-Trichlorophenol	7.057	196	354106	57.390	ug/ml		99
47) 2-Chloronaphthalene	7.210	162	821632	46.065	ug/ml		95
48) 2-Nitroaniline	7.322	138	276153	58.593	ug/ml		93
49) 1,4-Dinitrobenzene	7.452	168	146630	63.425	ug/ml		83
50) 1,3-Dinitrobenzene	7.528	168	172762	64.450	ug/ml		82
51) Dimethyl phthalate	7.528	163	974978	44.937	ug/ml	#	95
52) Acenaphthylene	7.610	152	1188835	45.150	ug/ml	#	89
53) 2,6-Dinitrotoluene	7.569	165	233918	57.642	ug/ml		92
54) 1,2-Dinitrobenzene	7.616	168	106780	68.592	ug/ml	#	1
64) 3-Nitroaniline	7.722	138	258315	56.419	ug/ml		92
65) Acenaphthene	7.781	154	788708	46.174	ug/ml		97
66) 2,4-Dinitrophenol	7.822	184	149405	49.564	ug/ml	#	84
67) Dibenzofuran	7.952	168	1181251	41.960	ug/ml		97
68) 2,4-Dinitrotoluene	7.957	165	358412	61.016	ug/ml		88
69) 4-Nitrophenol	7.322	65	238463	53.752	ug/ml	#	11
70) 2,3,5,6-Tetrachlorophenol	8.040	232	332419	57.606	ug/ml		99
71) 2,3,4,6-Tetrachlorophenol	8.081	232	325008	57.329	ug/ml		99
72) Diethyl phthalate	8.216	149	1042470	45.763	ug/ml	#	92
73) Fluorene	8.281	166	1008800	46.015	ug/ml		98
74) 4-Chlorophenyl phenyl ...	8.299	204	567955	47.539	ug/ml	#	84

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL9.D
Acq On : 25 Jun 2024 08:18 pm
Operator : SV112:mrg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939943
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 14:02:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.322	138	263319	54.666	ug/ml	98
76)	4,6-Dinitro-o-cresol	8.352	198	201559	51.288	ug/ml#	74
77)	NDPA/DPA	8.416	169	879551	46.640	ug/ml	89
78)	Azobenzene	8.452	77	934596	46.731	ug/ml#	91
80)	4-Bromophenyl phenyl e...	8.769	248	375483	49.055	ug/ml#	83
81)	Hexachlorobenzene	8.822	284	453546	47.160	ug/ml#	86
82)	Pentachlorophenol	9.016	266	299901	68.944	ug/ml	99
89)	Phenanthrene	9.204	178	1368984	40.184	ug/ml#	86
90)	Anthracene	9.257	178	1410608	42.318	ug/ml#	86
91)	Carbazole	9.422	167	1331588	43.628	ug/ml#	88
92)	Di-n-butylphthalate	9.804	149	1465236	44.009	ug/ml#	90
93)	Fluoranthene	10.363	202	1581098	39.994	ug/ml#	91
94)	Benzidine	10.516	184	1129713	51.974	ug/ml	96
95)	Pyrene	10.581	202	1648954	39.352	ug/ml#	82
97)	Butyl benzyl phthalate	11.287	149	842924	57.220	ug/ml#	97
105)	Benzo(a)anthracene	11.828	228	1878103	40.261	ug/ml#	82
106)	3,3'-Dichlorobenzidine	11.822	252	902789	53.129	ug/ml#	94
107)	Chrysene	11.869	228	1652363	36.131	ug/ml#	81
108)	Bis(2-ethylhexyl)phtha...	11.928	149	1229491	53.003	ug/ml#	89
109)	Di-n-octylphthalate	12.610	149	1768108	49.738	ug/ml#	95
110)	Benzo(b)fluoranthene	12.945	252	2026755	42.361	ug/ml#	91
111)	Benzo(k)fluoranthene	12.975	252	1600001M3	36.638	ug/ml	
112)	Benzo(a)pyrene	13.257	252	1735579	41.576	ug/ml#	91
114)	Indeno(1,2,3-cd)pyrene	14.322	276	2226872M6	53.020	ug/mL	
115)	Dibenzo(a,h)anthracene	14.345	278	1928257	48.074	ug/ml#	90
116)	Benzo(ghi)perylene	14.592	276	1880012	46.449	ug/ml#	92

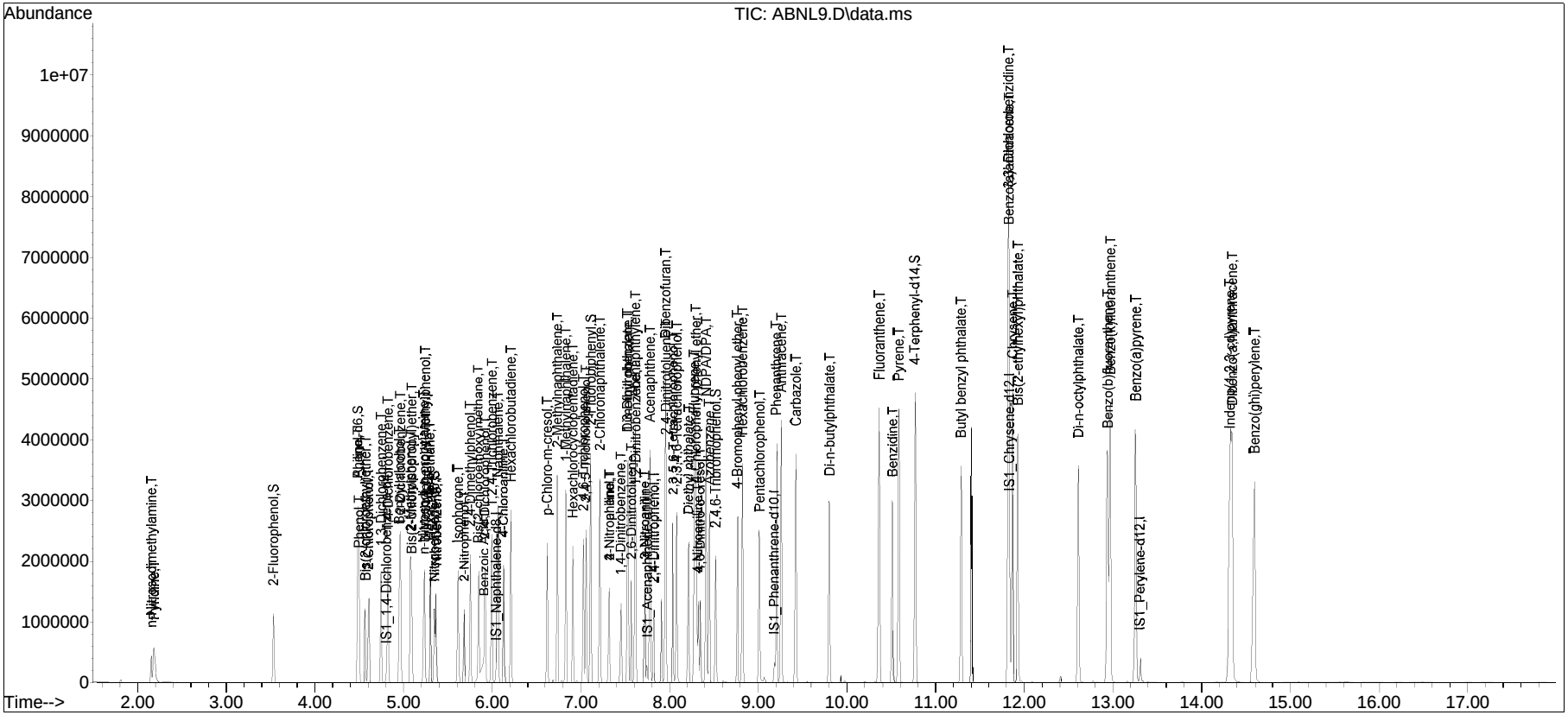
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL9.D
Acq On : 25 Jun 2024 08:18 pm
Operator : SV112:mrg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939943
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 14:02:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

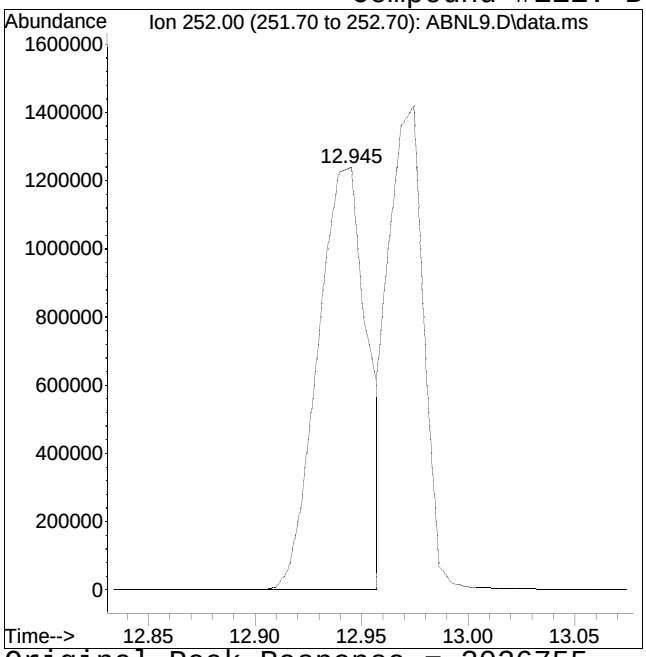
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

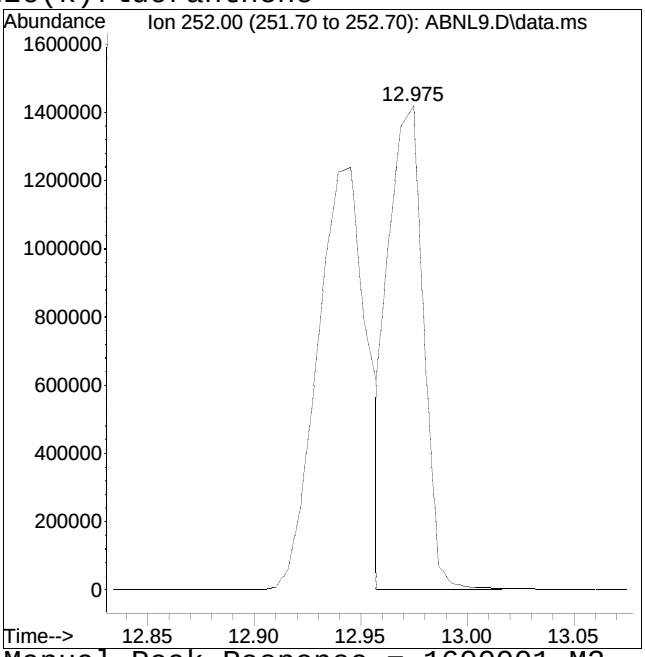


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL9.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:18 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



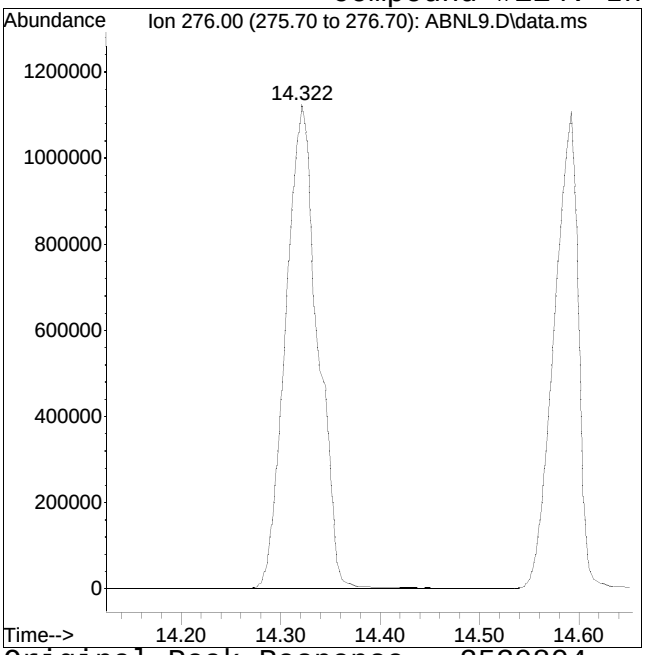


Original Peak Response = 2026755 Manual Peak Response = 1600001 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

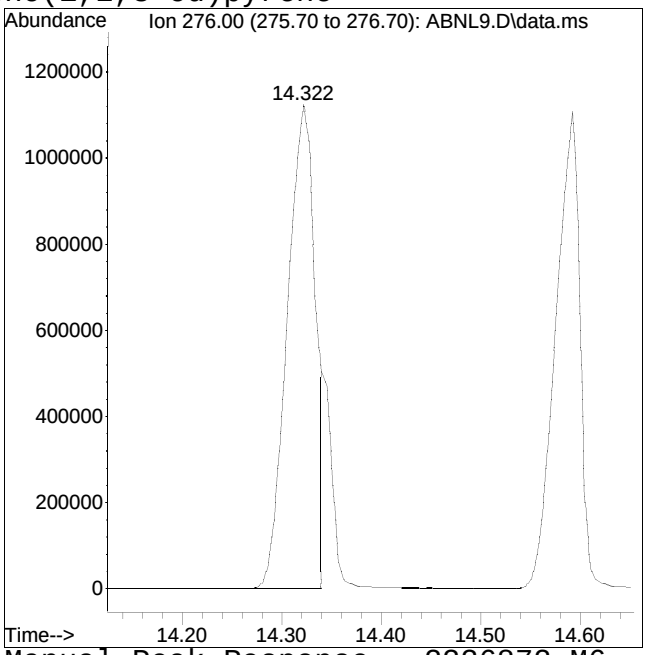
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL9.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:18 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 2530804



Manual Peak Response = 2226872 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL8.D
Acq On : 25 Jun 2024 08:41 pm
Operator : SV112:mrg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939943
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:02:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	23361	4.000 ug/ml	# 0.00
Standard Area 1 = 21265			Recovery = 109.86%		
35) IS1_Naphthalene-d8	6.040	136	89632	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 109.70%		
63) IS1_Acenaphthene-d10	7.746	164	57238	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 116.36%		
88) IS1_Phenanthrene-d10	9.181	188	127467	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 122.73%		
104) IS1_Chrysene-d12	11.828	240	141623	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 127.33%		
113) IS1_Perylene-d12	13.298	264	152512	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 116.07%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.534	112	154909	25.253 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1262.65%#		
7) Phenol-d6	4.481	99	198121	25.008 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1250.40%#		
19) Nitrobenzene-d5	5.346	82	192079	25.418 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2541.80%#		
46) 2-Fluorobiphenyl	7.110	172	473165	23.346 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2334.60%#		
79) 2,4,6-Tribromophenol	8.510	330	99010	29.329 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1466.45%#		
96) 4-Terphenyl-d14	10.763	244	779402	23.773 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2377.30%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.152	74	100835	26.275 ug/ml#	96
3) Pyridine	2.187	79	169913	27.906 ug/ml	84
5) Aniline	4.487	93	261313	24.709 ug/ml#	49
6) 2-Chlorophenol	4.599	128	178547	24.445 ug/ml	96
8) Phenol	4.493	94	227310	24.682 ug/ml#	45
9) Bis(2-chloroethyl)ether	4.563	93	162747	23.874 ug/ml	97
10) 1,3-Dichlorobenzene	4.746	146	207980	23.609 ug/ml	97
11) 1,4-Dichlorobenzene	4.822	146	209957	22.831 ug/ml	96
12) 1,2-Dichlorobenzene	4.969	146	204963	23.788 ug/ml	96
13) Benzyl alcohol	4.952	79	147370	26.712 ug/ml	96
14) Bis(2-chloroisopropyl)...	5.093	45	213410	24.780 ug/ml#	58

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL8.D
Acq On : 25 Jun 2024 08:41 pm
Operator : SV112:mrg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939943
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:02:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	156869	25.425	ug/ml	97
16) Hexachloroethane	5.299	117	80365	24.675	ug/ml#	66
17) n-Nitrosodi-n-propylamine	5.222	70	130659	25.858	ug/ml	99
18) 3-Methylphenol/4-Methy...	5.234	108	172439	25.666	ug/ml	97
20) Nitrobenzene	5.363	77	191658	25.451	ug/ml	100
21) Isophorone	5.605	82	350263	25.762	ug/ml	98
22) 2-Nitrophenol	5.675	139	93862	27.985	ug/ml	96
23) 2,4-Dimethylphenol	5.746	107	167321	26.017	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	223575	24.429	ug/ml	98
25) 2,4-Dichlorophenol	5.916	162	177771	26.405	ug/ml	94
26) 1,2,4-Trichlorobenzene	5.993	180	200491	23.514	ug/ml	96
36) Naphthalene	6.063	128	540920	23.021	ug/ml	97
37) Benzoic Acid	5.869	105	135966	25.649	ug/ml	98
38) 4-Chloroaniline	6.128	65	71436	27.053	ug/ml	96
39) Hexachlorobutadiene	6.210	225	132422	24.045	ug/ml	99
40) p-Chloro-m-cresol	6.616	107	167398	26.981	ug/ml	93
41) 2-Methylnaphthalene	6.740	142	382577	23.942	ug/ml	97
42) 1-Methylnaphthalene	6.834	115	131664	23.956	ug/ml	98
43) Hexachlorocyclopentadiene	6.910	237	146351	26.035	ug/ml	100
44) 2,4,6-Trichlorophenol	7.022	196	154290	26.847	ug/ml	99
45) 2,4,5-Trichlorophenol	7.052	196	160980M3	27.378	ug/ml	
47) 2-Chloronaphthalene	7.205	162	401390	23.615	ug/ml	94
48) 2-Nitroaniline	7.316	138	129369	28.804	ug/ml	93
49) 1,4-Dinitrobenzene	7.446	168	68409	31.051	ug/ml	84
50) 1,3-Dinitrobenzene	7.522	168	77473	30.329	ug/ml	87
51) Dimethyl phthalate	7.516	163	496005	23.990	ug/ml	98
52) Acenaphthylene	7.604	152	624802	24.900	ug/ml	95
53) 2,6-Dinitrotoluene	7.563	165	109328	28.271	ug/ml	91
54) 1,2-Dinitrobenzene	7.604	168	49511	33.374	ug/ml#	1
64) 3-Nitroaniline	7.716	138	120173	28.108	ug/ml	94
65) Acenaphthene	7.781	154	376895	23.629	ug/ml	97
66) 2,4-Dinitrophenol	7.816	184	68455	26.120	ug/ml#	83
67) Dibenzofuran	7.946	168	607351	23.103	ug/ml	96
68) 2,4-Dinitrotoluene	7.946	165	164108	29.918	ug/ml	88
69) 4-Nitrophenol	7.316	65	111882	27.007	ug/ml#	11
70) 2,3,5,6-Tetrachlorophenol	8.034	232	153668	28.517	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.075	232	150622	28.452	ug/ml	99
72) Diethyl phthalate	8.210	149	512861	24.110	ug/ml	95
73) Fluorene	8.281	166	495678	24.212	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.293	204	264737	23.729	ug/ml#	83

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL8.D
Acq On : 25 Jun 2024 08:41 pm
Operator : SV112:mrg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939943
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:02:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.310	138	131636	29.265	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.340	198	93202	25.514	ug/ml#	75
77)	NDPA/DPA	8.410	169	431193	24.486	ug/ml	92
78)	Azobenzene	8.446	77	463782	24.834	ug/ml#	93
80)	4-Bromophenyl phenyl e...	8.763	248	173402M3	24.260	ug/ml	
81)	Hexachlorobenzene	8.816	284	205275	22.857	ug/ml#	86
82)	Pentachlorophenol	9.010	266	137366	33.817	ug/ml	99
89)	Phenanthrene	9.204	178	754687	22.383	ug/ml	95
90)	Anthracene	9.251	178	773477	23.446	ug/ml	94
91)	Carbazole	9.416	167	720325	23.847	ug/ml	94
92)	Di-n-butylphthalate	9.799	149	849485	25.781	ug/ml	97
93)	Fluoranthene	10.357	202	913651	23.352	ug/ml	94
94)	Benzidine	10.510	184	605842	28.163	ug/ml	97
95)	Pyrene	10.575	202	963293	23.228	ug/ml	93
97)	Butyl benzyl phthalate	11.287	149	426248	29.236	ug/ml#	95
105)	Benzo(a)anthracene	11.822	228	1064604	23.410	ug/ml	92
106)	3,3'-Dichlorobenzidine	11.816	252	453219	27.360	ug/ml#	95
107)	Chrysene	11.857	228	965858	21.664	ug/ml	92
108)	Bis(2-ethylhexyl)phtha...	11.922	149	666575	29.477	ug/ml#	95
109)	Di-n-octylphthalate	12.604	149	1042242	30.075	ug/ml	99
110)	Benzo(b)fluoranthene	12.934	252	1029857	22.080	ug/ml	95
111)	Benzo(k)fluoranthene	12.963	252	1039846M3	24.425	ug/ml	
112)	Benzo(a)pyrene	13.251	252	980731	24.100	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	14.310	276	1154840M6	27.081	ug/mL	
115)	Dibenzo(a,h)anthracene	14.334	278	1057237	25.961	ug/ml#	92
116)	Benzo(ghi)perylene	14.581	276	999904	24.332	ug/ml	93

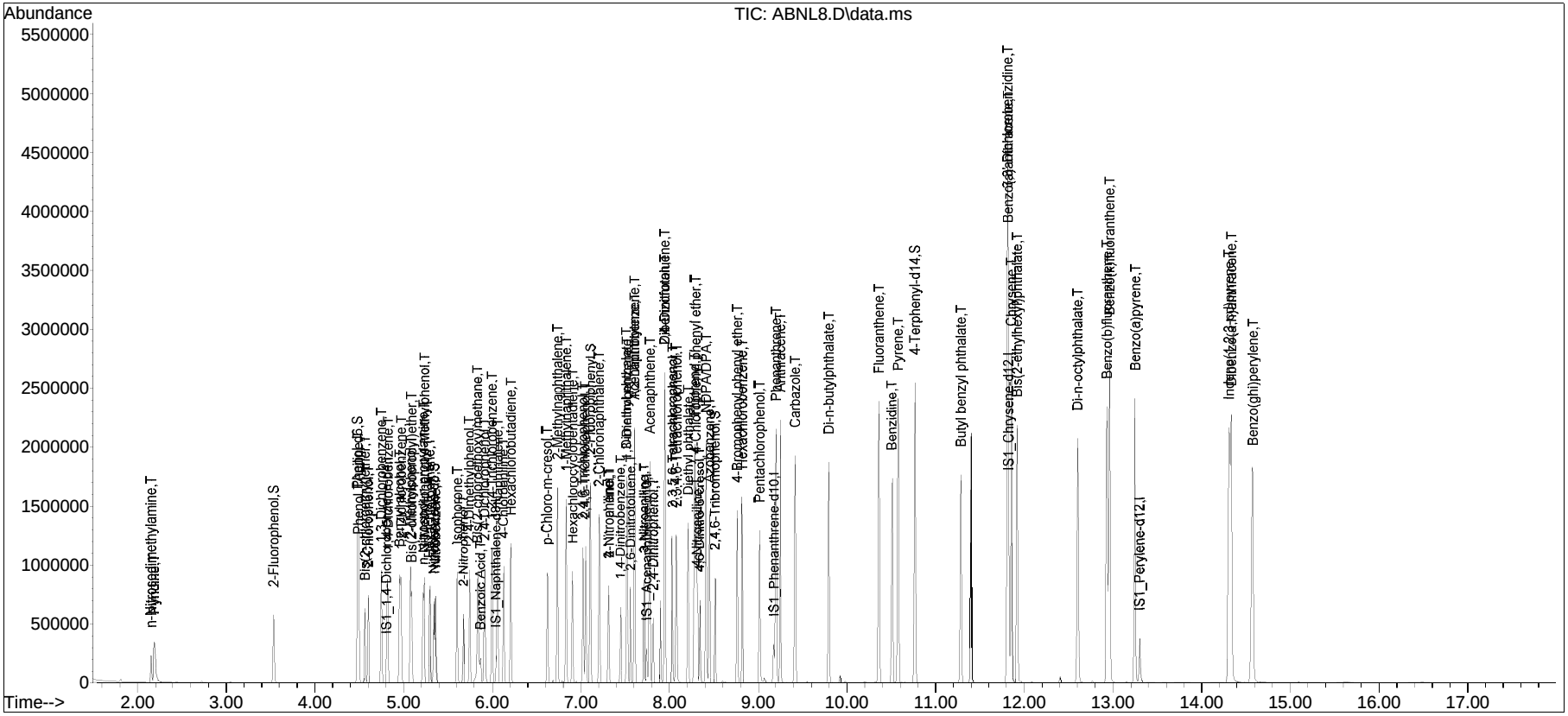
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL8.D
Acq On : 25 Jun 2024 08:41 pm
Operator : SV112:mrg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939943
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:02:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

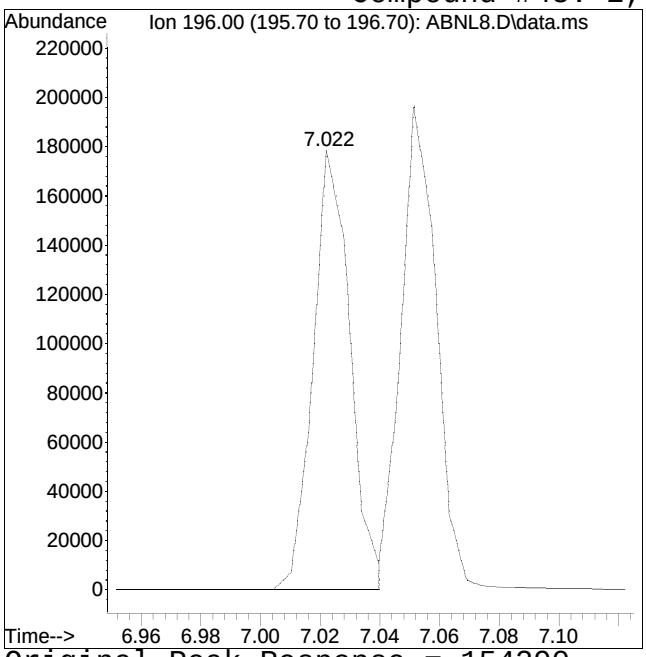
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

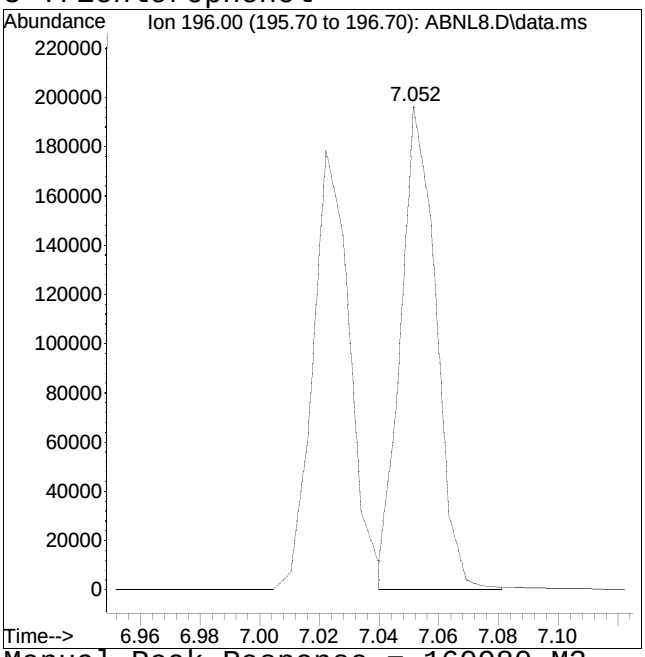


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL8.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:41 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





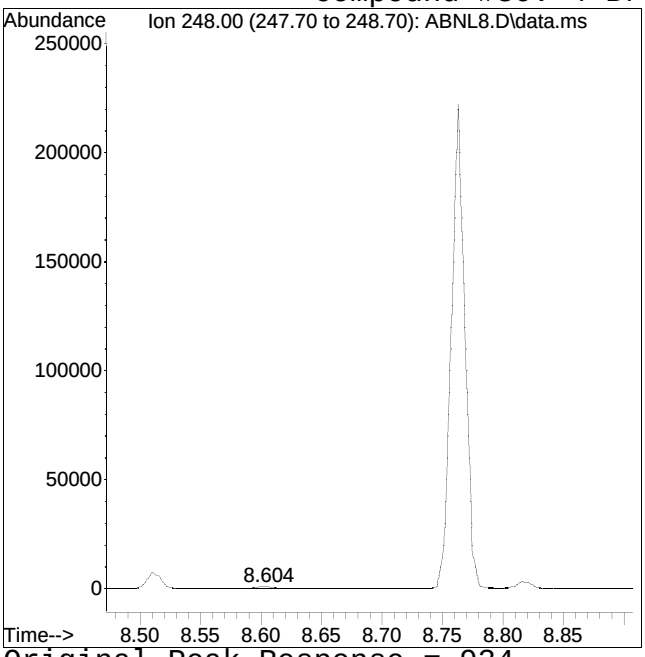
Original Peak Response = 154290 Manual Peak Response = 160980 M3

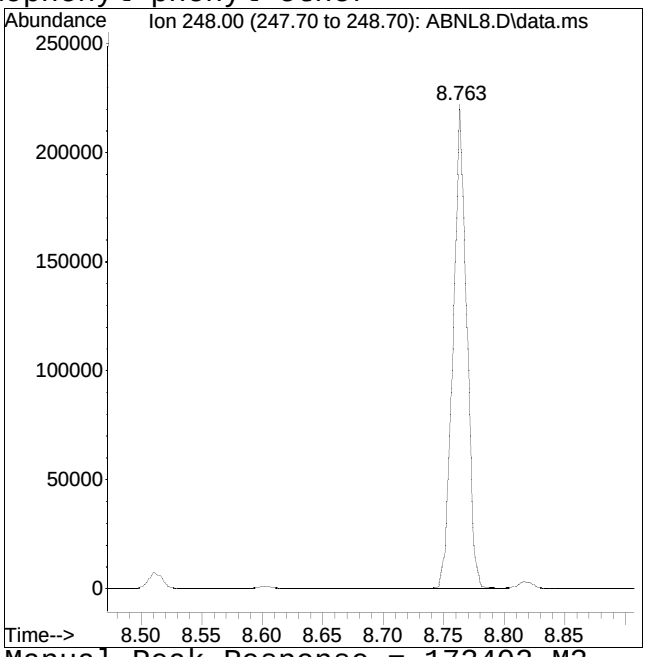
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL8.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:41 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/30/2024 2:02 pm

Compound #80: 4-Bromophenyl phenyl ether





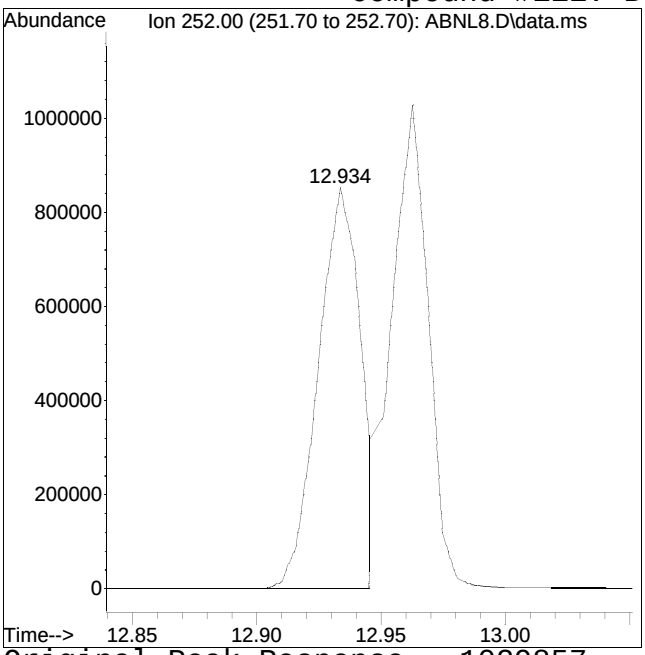
Original Peak Response = 934 Manual Peak Response = 173402 M3

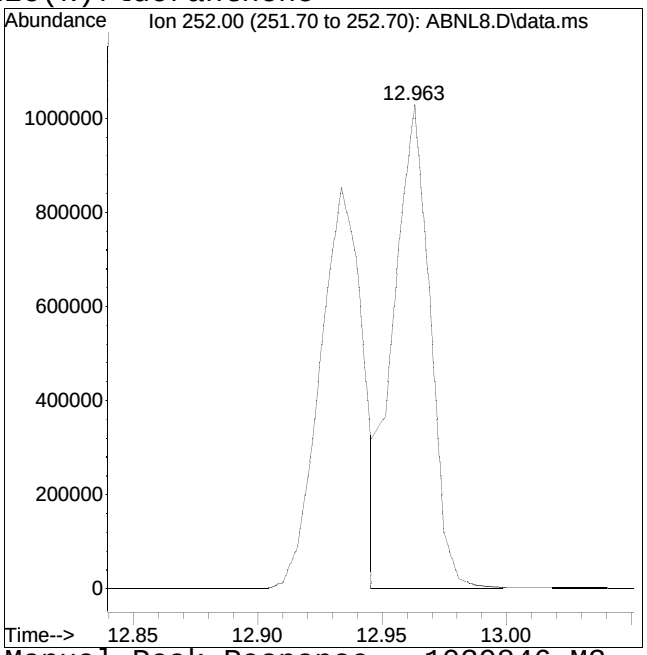
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL8.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:41 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



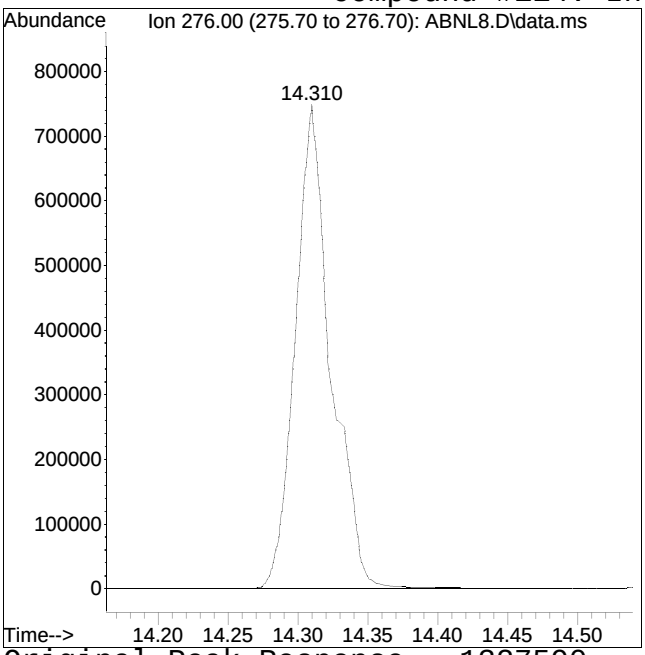


Original Peak Response = 1029857 Manual Peak Response = 1039846 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

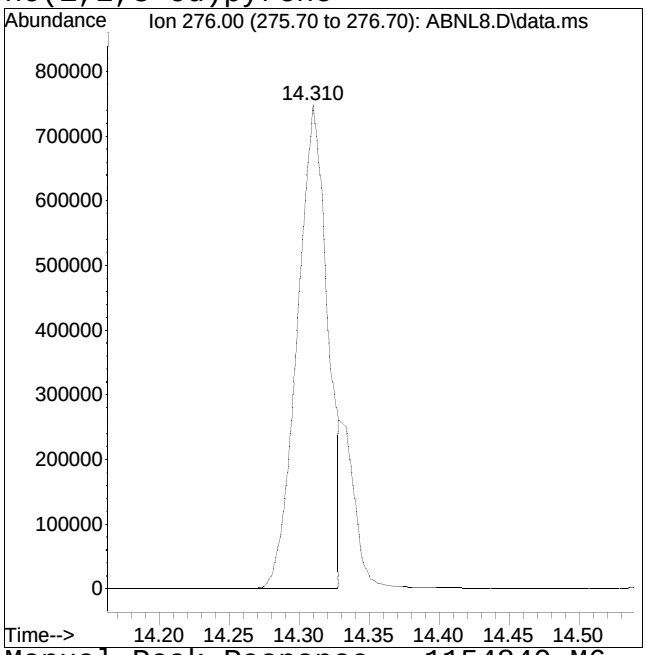
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL8.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:41 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1327590



Manual Peak Response = 1154840 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL7.D
Acq On : 25 Jun 2024 09:04 pm
Operator : SV112:mrg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939943
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 14:01:51 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	21476	4.000 ug/ml	# 0.00
Standard Area 1 = 21265			Recovery = 100.99%		
35) IS1_Naphthalene-d8	6.040	136	80743	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 98.82%		
63) IS1_Acenaphthene-d10	7.746	164	50162	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 101.98%		
88) IS1_Phenanthrene-d10	9.175	188	105182	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 101.27%		
104) IS1_Chrysene-d12	11.828	240	116399	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 104.65%		
113) IS1_Perylene-d12	13.298	264	135461	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 103.09%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	59729	10.592 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 529.60%#		
7) Phenol-d6	4.481	99	75930	10.426 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 521.30%#		
19) Nitrobenzene-d5	5.346	82	72854	10.487 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1048.70%#		
46) 2-Fluorobiphenyl	7.110	172	175781	9.628 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 962.80%#		
79) 2,4,6-Tribromophenol	8.510	330	31976	10.808 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 540.40%#		
96) 4-Terphenyl-d14	10.757	244	269895	9.976 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 997.60%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.164	74	39574	11.217 ug/ml	97
3) Pyridine	2.205	79	65204	11.649 ug/ml	85
5) Aniline	4.487	93	99553	10.240 ug/ml#	50
6) 2-Chlorophenol	4.599	128	68421	10.190 ug/ml	96
8) Phenol	4.493	94	87347	10.317 ug/ml#	46
9) Bis(2-chloroethyl)ether	4.564	93	62434	9.963 ug/ml	97
10) 1,3-Dichlorobenzene	4.752	146	79579	9.826 ug/ml	98
11) 1,4-Dichlorobenzene	4.822	146	81378	9.626 ug/ml	97
12) 1,2-Dichlorobenzene	4.969	146	77634	9.801 ug/ml	96
13) Benzyl alcohol	4.952	79	54366	10.719 ug/ml	95
14) Bis(2-chloroisopropyl)...	5.093	45	79023	9.981 ug/ml#	57

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL7.D
Acq On : 25 Jun 2024 09:04 pm
Operator : SV112:mrg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939943
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 14:01:51 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	59138	10.426	ug/ml	98
16) Hexachloroethane	5.299	117	29872	9.977	ug/ml#	65
17) n-Nitrosodi-n-propylamine	5.216	70	47976	10.328	ug/ml	98
18) 3-Methylphenol/4-Methy...	5.234	108	64683	10.472	ug/ml	96
20) Nitrobenzene	5.363	77	72400	10.458	ug/ml	99
21) Isophorone	5.599	82	129481	10.359	ug/ml	98
22) 2-Nitrophenol	5.675	139	32940	10.683	ug/ml	96
23) 2,4-Dimethylphenol	5.746	107	60962	10.311	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	83082	9.875	ug/ml	99
25) 2,4-Dichlorophenol	5.916	162	65466	10.577	ug/ml	95
26) 1,2,4-Trichlorobenzene	5.993	180	74135	9.458	ug/ml	95
36) Naphthalene	6.058	128	210448	9.942	ug/ml	99
37) Benzoic Acid	5.834	105	43865	9.322	ug/ml	99
38) 4-Chloroaniline	6.128	65	25347	10.656	ug/ml	91
39) Hexachlorobutadiene	6.210	225	48635	9.803	ug/ml	98
40) p-Chloro-m-cresol	6.616	107	59753	10.691	ug/ml	93
41) 2-Methylnaphthalene	6.740	142	141331	9.818	ug/ml	97
42) 1-Methylnaphthalene	6.834	115	47724	9.639	ug/ml	97
43) Hexachlorocyclopentadiene	6.910	237	51016	10.075	ug/ml	99
44) 2,4,6-Trichlorophenol	7.022	196	54964	10.617	ug/ml	99
45) 2,4,5-Trichlorophenol	7.052	196	56138M3	10.599	ug/ml	
47) 2-Chloronaphthalene	7.205	162	148455	9.696	ug/ml	94
48) 2-Nitroaniline	7.310	138	44168	10.917	ug/ml	94
49) 1,4-Dinitrobenzene	7.446	168	22377	11.275	ug/ml	88
50) 1,3-Dinitrobenzene	7.516	168	25446	11.058	ug/ml	89
51) Dimethyl phthalate	7.510	163	176799	9.492	ug/ml	99
52) Acenaphthylene	7.605	152	227136	10.049	ug/ml	98
53) 2,6-Dinitrotoluene	7.557	165	36452	10.464	ug/ml	94
54) 1,2-Dinitrobenzene	7.599	168	16118	12.061	ug/ml#	1
64) 3-Nitroaniline	7.710	138	42491	11.340	ug/ml	94
65) Acenaphthene	7.775	154	135917	9.723	ug/ml	97
66) 2,4-Dinitrophenol	7.810	184	21119	9.878	ug/ml#	85
67) Dibenzofuran	7.946	168	222891	9.675	ug/ml	93
68) 2,4-Dinitrotoluene	7.946	165	52394	10.899	ug/ml	91
69) 4-Nitrophenol	7.310	65	38608	10.634	ug/ml#	10
70) 2,3,5,6-Tetrachlorophenol	8.034	232	52121	11.037	ug/ml	100
71) 2,3,4,6-Tetrachlorophenol	8.075	232	50211	10.823	ug/ml	99
72) Diethyl phthalate	8.204	149	177146	9.502	ug/ml	97
73) Fluorene	8.275	166	174896	9.748	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.293	204	89679	9.172	ug/ml#	83

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL7.D
Acq On : 25 Jun 2024 09:04 pm
Operator : SV112:mrg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939943
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 14:01:51 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.299	138	45225	11.473	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.334	198	29082	9.234	ug/ml#	78
77)	NDPA/DPA	8.404	169	152382	9.874	ug/ml	95
78)	Azobenzene	8.440	77	163681	10.001	ug/ml#	93
80)	4-Bromophenyl phenyl e...	8.763	248	57922	9.247	ug/ml#	82
81)	Hexachlorobenzene	8.816	284	69475	8.827	ug/ml#	86
82)	Pentachlorophenol	9.010	266	43211	12.138	ug/ml	99
89)	Phenanthrene	9.199	178	274753	9.875	ug/ml	98
90)	Anthracene	9.251	178	281146	10.328	ug/ml	98
91)	Carbazole	9.416	167	263327	10.564	ug/ml	97
92)	Di-n-butylphthalate	9.799	149	289191	10.636	ug/ml	99
93)	Fluoranthene	10.357	202	332906M3	10.311	ug/ml	
94)	Benzidine	10.504	184	209641	11.810	ug/ml#	97
95)	Pyrene	10.575	202	353575	10.332	ug/ml	98
97)	Butyl benzyl phthalate	11.281	149	129222	10.741	ug/ml	95
105)	Benzo(a)anthracene	11.816	228	383220	10.253	ug/ml	97
106)	3,3'-Dichlorobenzidine	11.810	252	152179	11.178	ug/ml#	97
107)	Chrysene	11.851	228	363469	9.919	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.922	149	204221	10.988	ug/ml#	99
109)	Di-n-octylphthalate	12.598	149	334815	11.755	ug/ml	97
110)	Benzo(b)fluoranthene	12.928	252	382689	9.983	ug/ml#	96
111)	Benzo(k)fluoranthene	12.957	252	400155M3	11.436	ug/ml	
112)	Benzo(a)pyrene	13.245	252	362257	10.831	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.304	276	393528M6	10.390	ug/mL	
115)	Dibenzo(a,h)anthracene	14.322	278	389820	10.777	ug/ml#	92
116)	Benzo(ghi)perylene	14.569	276	373879	10.243	ug/ml#	93

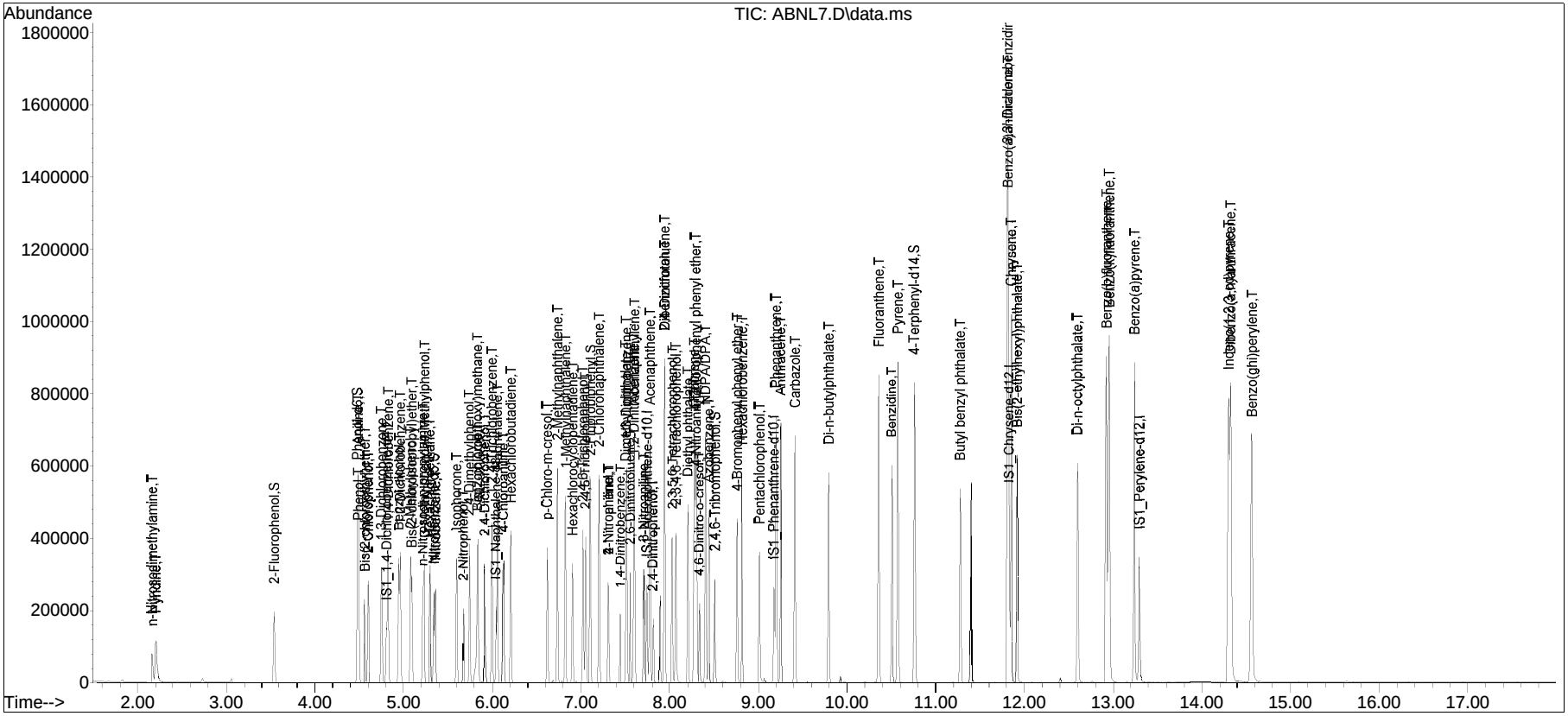
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL7.D
Acq On : 25 Jun 2024 09:04 pm
Operator : SV112:mrg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939943
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 14:01:51 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

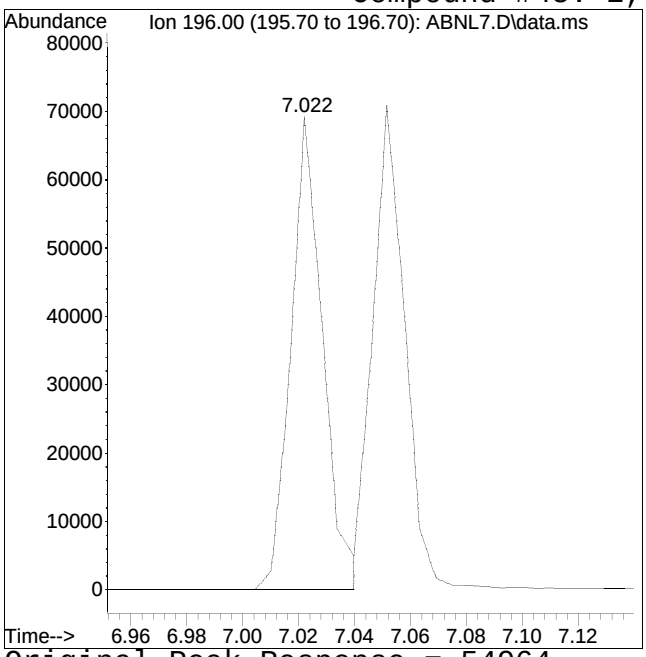
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

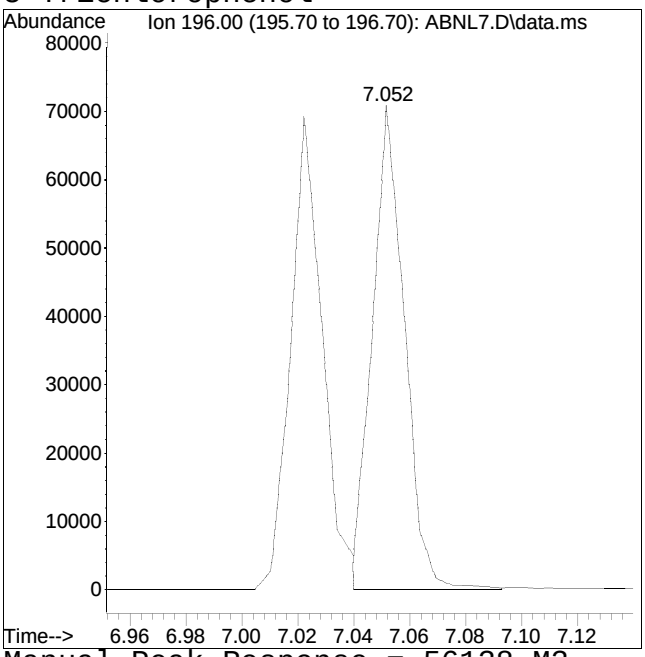


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL7.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:04 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





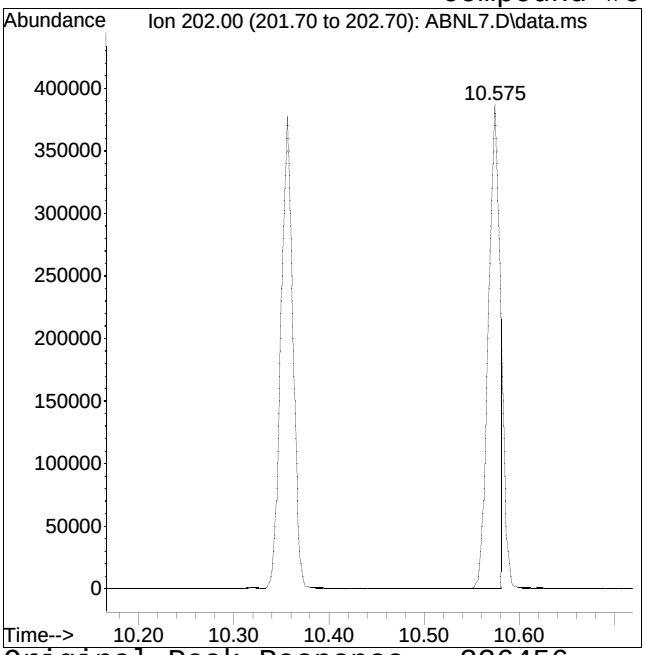
Original Peak Response = 54964 Manual Peak Response = 56138 M3

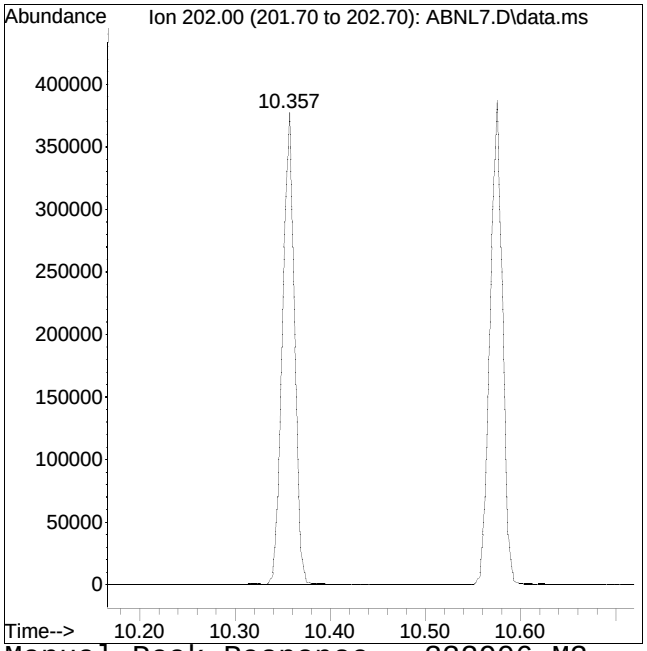
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL7.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:04 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene





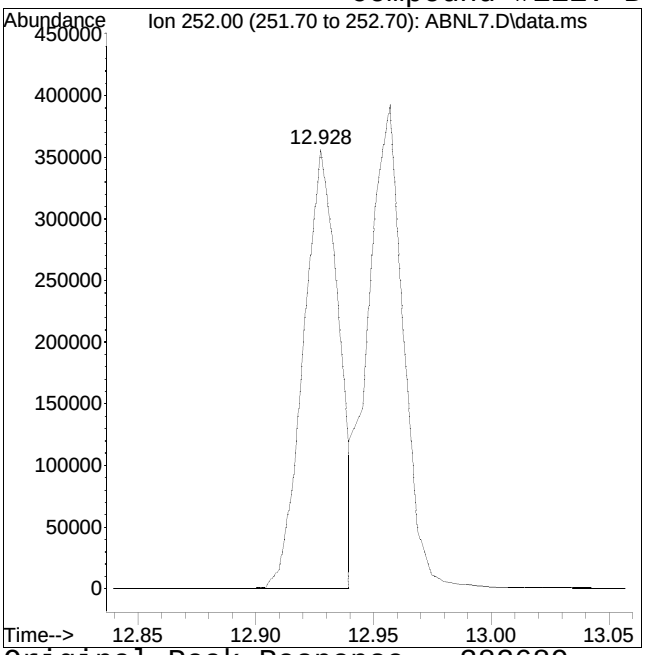
Original Peak Response = 336456 Manual Peak Response = 332906 M3

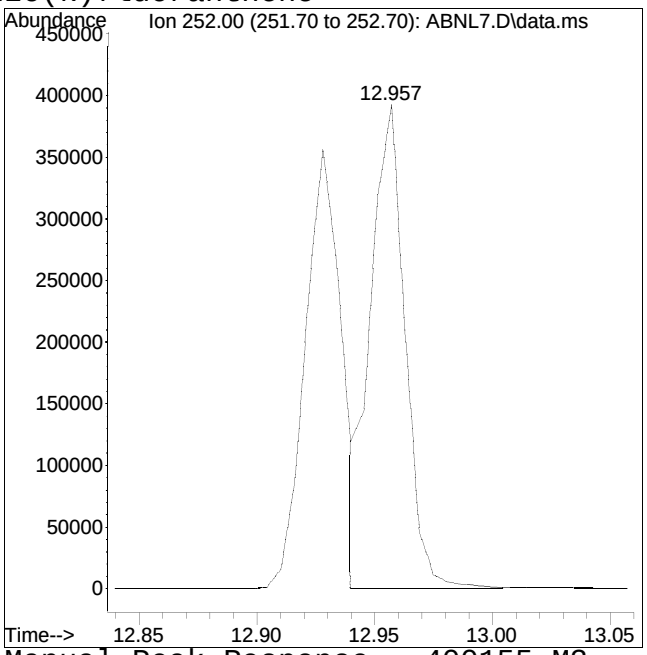
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL7.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:04 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



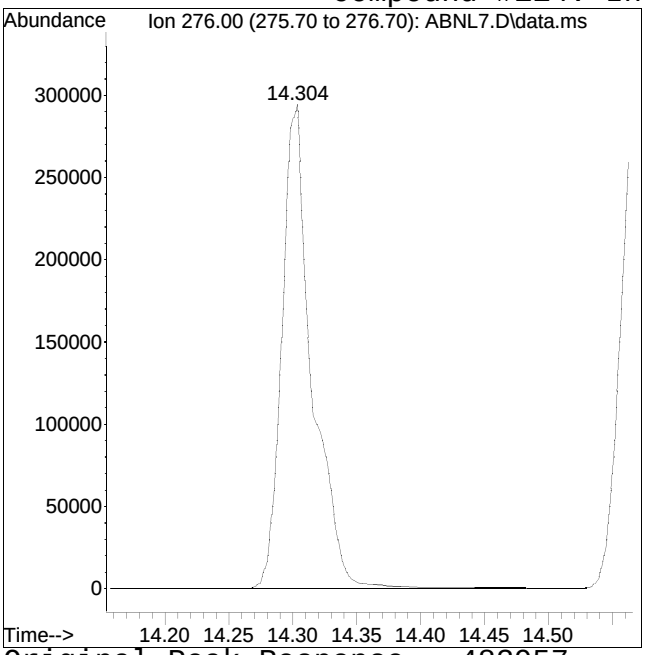


Original Peak Response = 382689 Manual Peak Response = 400155 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

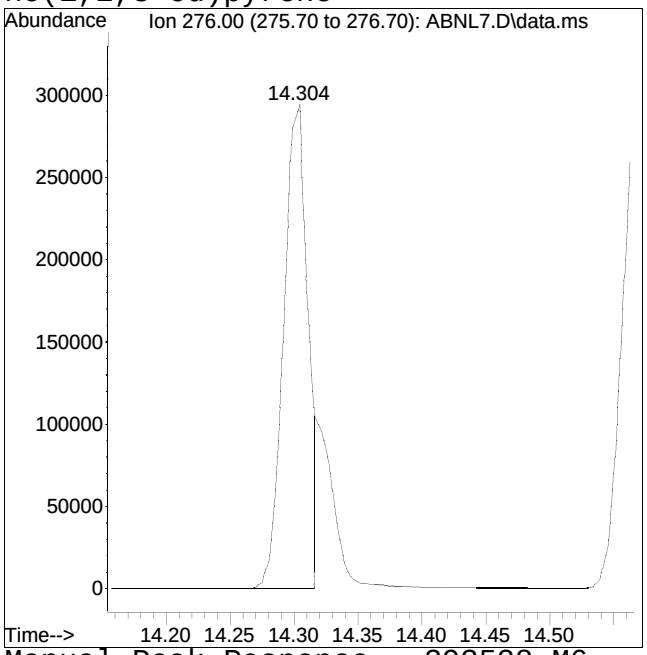
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL7.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:04 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 483957



Manual Peak Response = 393528 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL6.D
Acq On : 25 Jun 2024 09:27 pm
Operator : SV112:mrg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939943
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 14:01:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	21265	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 100.00%		
35) IS1_Naphthalene-d8	6.040	136	81706	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 100.00%		
63) IS1_Acenaphthene-d10	7.746	164	49189	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 100.00%		
88) IS1_Phenanthrene-d10	9.175	188	103858	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 100.00%		
104) IS1_Chrysene-d12	11.822	240	111228	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 100.00%		
113) IS1_Perylene-d12	13.298	264	131396	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 100.00%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	28423	5.090 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 254.50%#		
7) Phenol-d6	4.481	99	36360	5.042 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 252.10%#		
19) Nitrobenzene-d5	5.346	82	34266	4.981 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 498.10%#		
46) 2-Fluorobiphenyl	7.104	172	83703	4.531 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 453.10%#		
79) 2,4,6-Tribromophenol	8.510	330	14492	4.995 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 249.75%#		
96) 4-Terphenyl-d14	10.757	244	124497	4.661 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 466.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.175	74	18995	5.437 ug/ml	95
3) Pyridine	2.211	79	31564	5.695 ug/ml	85
5) Aniline	4.487	93	46800	4.862 ug/ml#	49
6) 2-Chlorophenol	4.599	128	32542	4.894 ug/ml	96
8) Phenol	4.493	94	41620	4.965 ug/ml#	47
9) Bis(2-chloroethyl)ether	4.563	93	29770	4.798 ug/ml	96
10) 1,3-Dichlorobenzene	4.752	146	39529	4.929 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	39493	4.718 ug/ml	96
12) 1,2-Dichlorobenzene	4.969	146	37964	4.840 ug/ml	96
13) Benzyl alcohol	4.952	79	25194	5.017 ug/ml	95
14) Bis(2-chloroisopropyl)...	5.093	45	37919	4.837 ug/ml#	59

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL6.D
Acq On : 25 Jun 2024 09:27 pm
Operator : SV112:mrg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939943
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 14:01:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	27940	4.975	ug/ml	98
16) Hexachloroethane	5.299	117	14415	4.862	ug/ml#	66
17) n-Nitrosodi-n-propylamine	5.216	70	22432	4.877	ug/ml	96
18) 3-Methylphenol/4-Methy...	5.234	108	30998	5.068	ug/ml	98
20) Nitrobenzene	5.363	77	34247	4.996	ug/ml	97
21) Isophorone	5.599	82	60249	4.868	ug/ml	99
22) 2-Nitrophenol	5.675	139	15267	5.001	ug/ml	95
23) 2,4-Dimethylphenol	5.746	107	26689	4.559	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	38883	4.667	ug/ml	99
25) 2,4-Dichlorophenol	5.916	162	29856	4.872	ug/ml	94
26) 1,2,4-Trichlorobenzene	5.993	180	35413	4.563	ug/ml	96
36) Naphthalene	6.057	128	101806	4.753	ug/ml	99
37) Benzoic Acid	5.816	105	16602	3.620	ug/ml	92
38) 4-Chloroaniline	6.122	65	11970	4.973	ug/ml	91
39) Hexachlorobutadiene	6.210	225	23051	4.592	ug/ml	99
40) p-Chloro-m-cresol	6.616	107	27572	4.875	ug/ml	94
41) 2-Methylnaphthalene	6.740	142	66348	4.555	ug/ml	96
42) 1-Methylnaphthalene	6.828	115	22232	4.437	ug/ml	95
43) Hexachlorocyclopentadiene	6.910	237	23071	4.502	ug/ml	100
44) 2,4,6-Trichlorophenol	7.022	196	25423	4.853	ug/ml	99
45) 2,4,5-Trichlorophenol	7.051	196	26339	4.914	ug/ml	99
47) 2-Chloronaphthalene	7.204	162	71163	4.593	ug/ml	94
48) 2-Nitroaniline	7.310	138	19492	4.761	ug/ml	95
49) 1,4-Dinitrobenzene	7.440	168	9710	4.835	ug/ml	89
50) 1,3-Dinitrobenzene	7.516	168	11279	4.844	ug/ml	90
51) Dimethyl phthalate	7.510	163	84473	4.482	ug/ml	100
52) Acenaphthylene	7.604	152	108184	4.730	ug/ml	98
53) 2,6-Dinitrotoluene	7.557	165	16668	4.728	ug/ml	94
54) 1,2-Dinitrobenzene	7.599	168	7184	5.312	ug/ml#	1
64) 3-Nitroaniline	7.710	138	18953	5.158	ug/ml	94
65) Acenaphthene	7.775	154	63705	4.647	ug/ml	96
66) 2,4-Dinitrophenol	7.810	184	9041	4.592	ug/ml#	83
67) Dibenzofuran	7.946	168	106110	4.697	ug/ml	93
68) 2,4-Dinitrotoluene	7.940	165	23907	5.072	ug/ml	92
69) 4-Nitrophenol	7.310	65	17559	4.932	ug/ml#	10
70) 2,3,5,6-Tetrachlorophenol	8.034	232	23788	5.137	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	8.075	232	22430	4.930	ug/ml	98
72) Diethyl phthalate	8.198	149	82467	4.511	ug/ml	95
73) Fluorene	8.275	166	82653	4.698	ug/ml	96
74) 4-Chlorophenyl phenyl ...	8.293	204	42516	4.434	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL6.D
Acq On : 25 Jun 2024 09:27 pm
Operator : SV112:mrg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939943
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 14:01:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.298	138	20520	5.308	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.334	198	12548	4.193	ug/ml#	78
77)	NDPA/DPA	8.404	169	70812	4.679	ug/ml	95
78)	Azobenzene	8.440	77	77468	4.827	ug/ml	94
80)	4-Bromophenyl phenyl e...	8.763	248	27083	4.409	ug/ml#	81
81)	Hexachlorobenzene	8.816	284	32534	4.215	ug/ml#	86
82)	Pentachlorophenol	9.010	266	18544	5.312	ug/ml	99
89)	Phenanthrene	9.198	178	131334	4.781	ug/ml	99
90)	Anthracene	9.251	178	129313	4.811	ug/ml	98
91)	Carbazole	9.416	167	123110	5.002	ug/ml	98
92)	Di-n-butylphthalate	9.798	149	127369	4.744	ug/ml	99
93)	Fluoranthene	10.357	202	152966M3	4.798	ug/ml	
94)	Benzidine	10.504	184	90848	5.183	ug/ml#	97
95)	Pyrene	10.575	202	167321	4.952	ug/ml	99
97)	Butyl benzyl phthalate	11.281	149	54658	4.601	ug/ml	93
105)	Benzo(a)anthracene	11.816	228	172947	4.842	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.810	252	64802	4.981	ug/ml#	96
107)	Chrysene	11.851	228	167510	4.784	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.922	149	84757	4.772	ug/ml#	99
109)	Di-n-octylphthalate	12.598	149	137975	5.069	ug/ml	97
110)	Benzo(b)fluoranthene	12.928	252	180541	4.929	ug/ml#	96
111)	Benzo(k)fluoranthene	12.951	252	177737M3	5.316	ug/ml	
112)	Benzo(a)pyrene	13.239	252	163243	5.108	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.298	276	187791M6	5.111	ug/mL	
115)	Dibenzo(a,h)anthracene	14.322	278	177411	5.057	ug/ml#	92
116)	Benzo(ghi)perylene	14.563	276	174444	4.927	ug/ml#	93

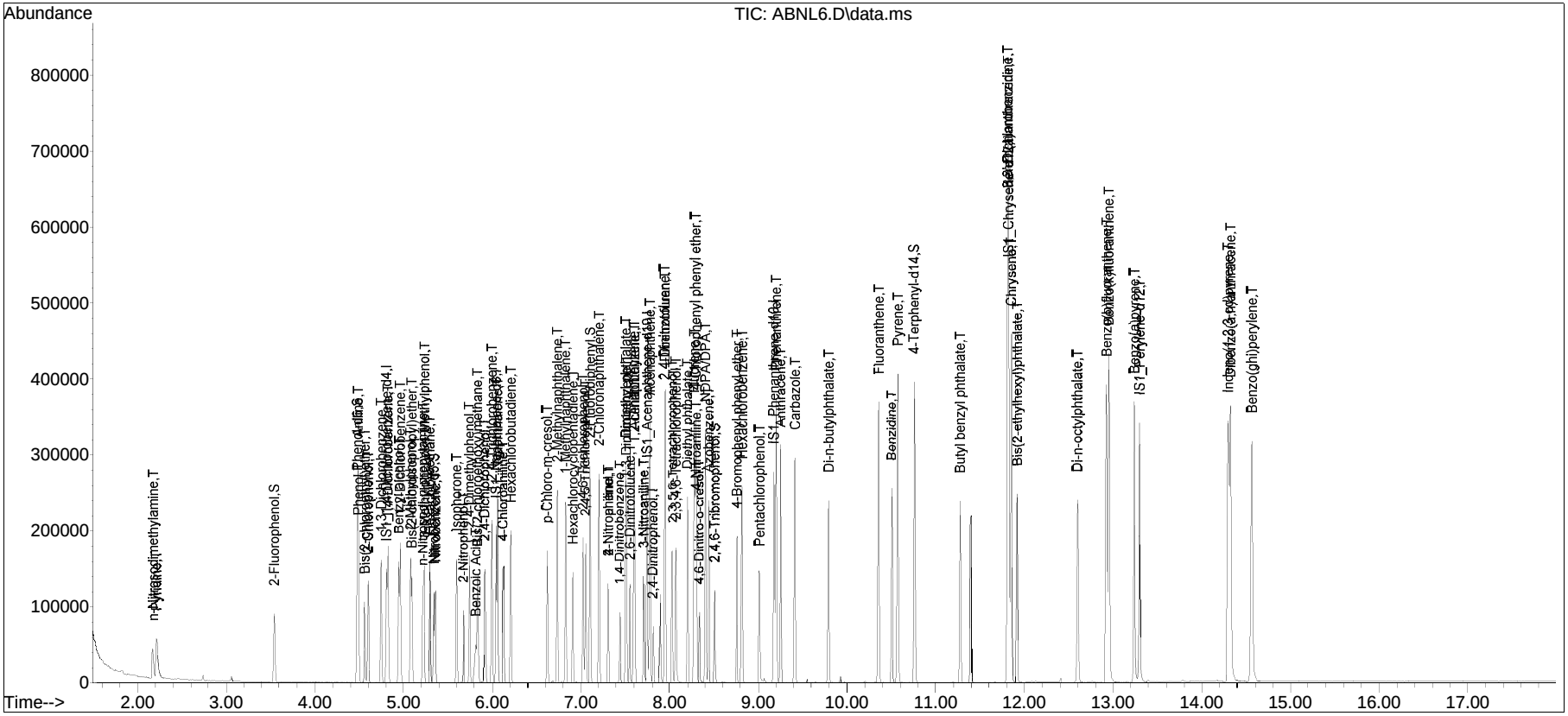
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL6.D
Acq On : 25 Jun 2024 09:27 pm
Operator : SV112:mrg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939943
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 14:01:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

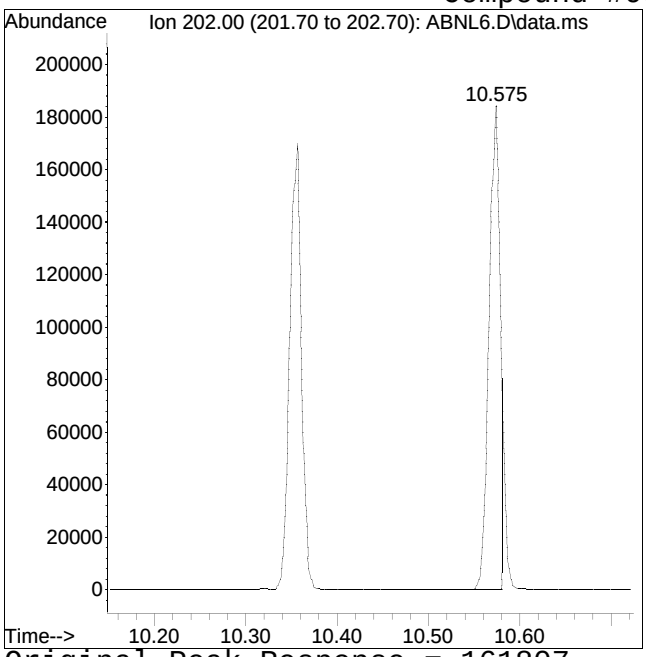
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

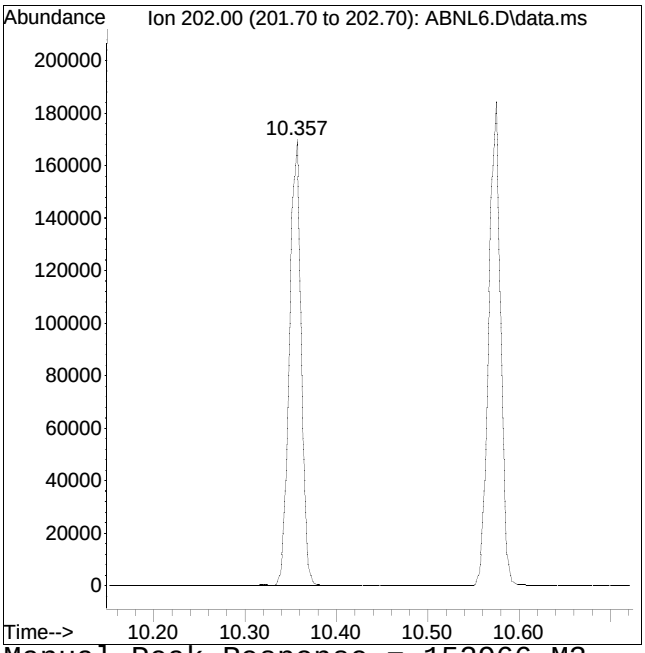


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL6.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:27 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 10781 Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene





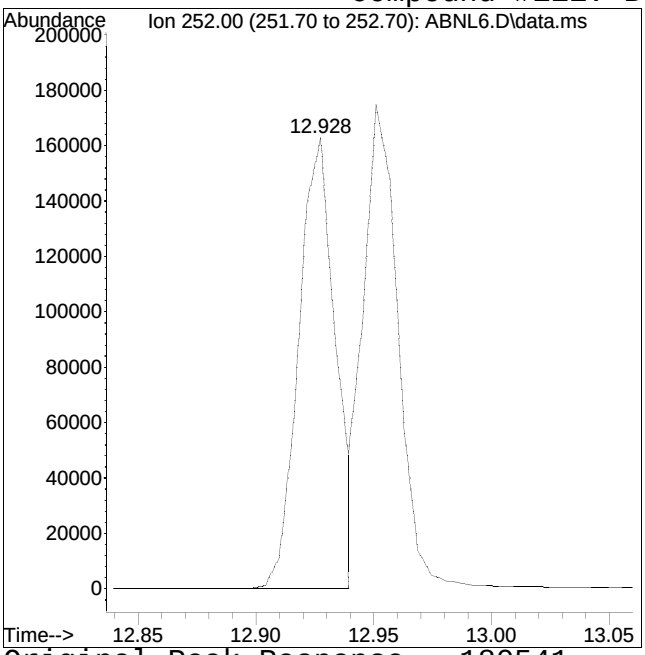
Original Peak Response = 161807 Manual Peak Response = 152966 M3

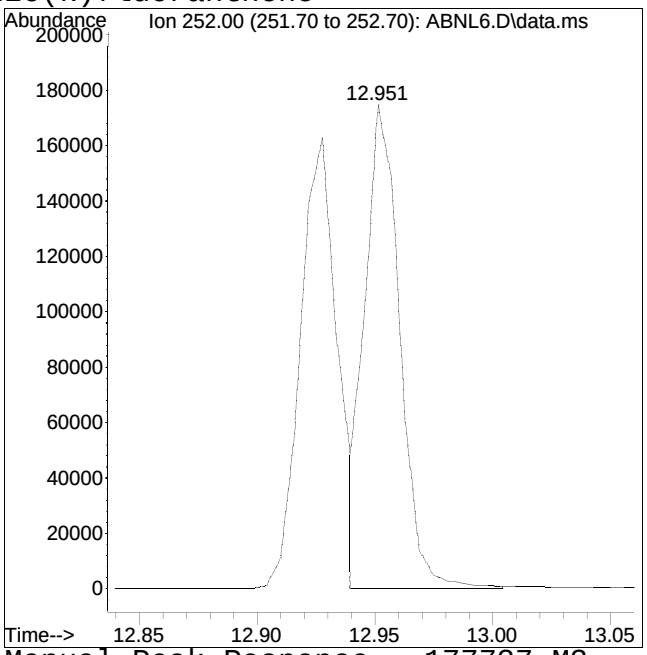
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL6.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:27 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 10781 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



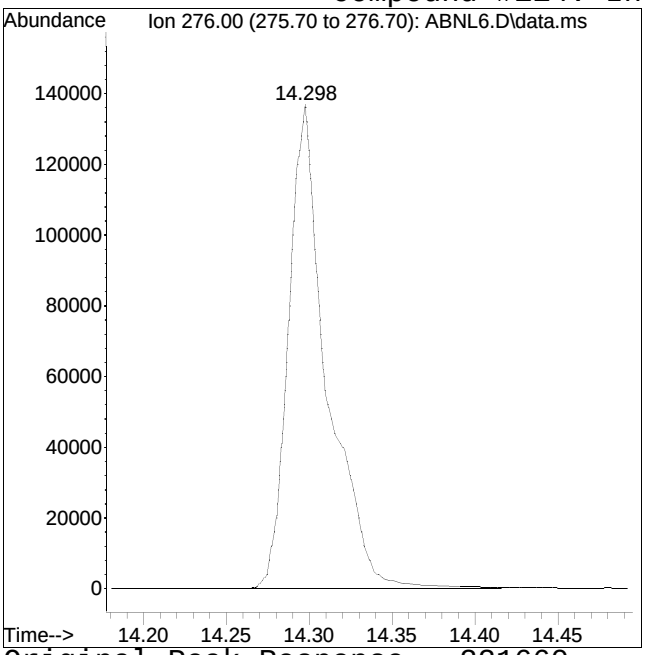


Original Peak Response = 180541 Manual Peak Response = 177737 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

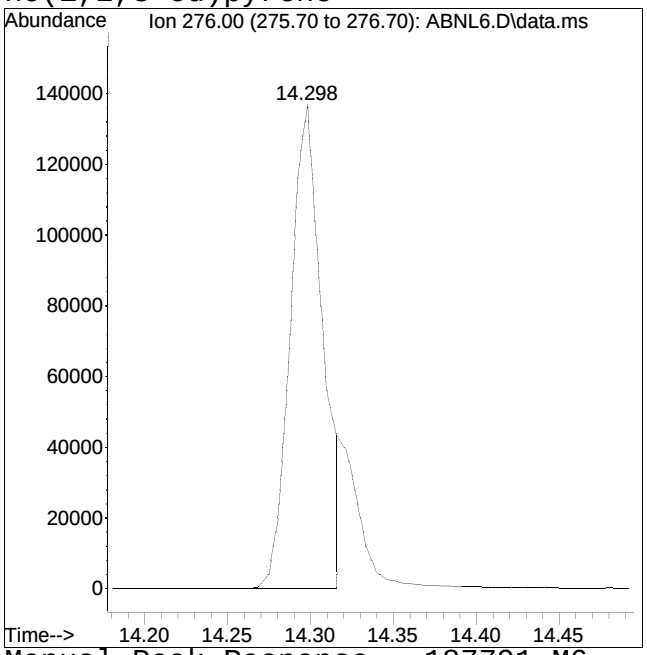
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL6.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:27 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 10781 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 221660



Manual Peak Response = 187791 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL5.D
Acq On : 25 Jun 2024 09:50 pm
Operator : SV112:mrg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939943
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 14:01:31 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	22768	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 107.07%		
35) IS1_Naphthalene-d8	6.040	136	89068	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 109.01%		
63) IS1_Acenaphthene-d10	7.746	164	57600	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 117.10%		
88) IS1_Phenanthrene-d10	9.175	188	128913	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 124.12%		
104) IS1_Chrysene-d12	11.822	240	140560	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 126.37%		
113) IS1_Perylene-d12	13.298	264	160405	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 122.08%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.534	112	14512	2.427 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 121.35%#		
7) Phenol-d6	4.475	99	18344	2.376 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 118.80%#		
19) Nitrobenzene-d5	5.346	82	17874	2.427 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 242.70%#		
46) 2-Fluorobiphenyl	7.104	172	49719	2.469 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 246.90%#		
79) 2,4,6-Tribromophenol	8.510	330	8972	2.641 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 132.05%#		
96) 4-Terphenyl-d14	10.757	244	84283	2.542 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 254.20%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.164	74	9366	2.504 ug/ml#	90
3) Pyridine	2.205	79	14518	2.446 ug/ml	83
5) Aniline	4.487	93	24945	2.420 ug/ml#	51
6) 2-Chlorophenol	4.599	128	16905	2.375 ug/ml	95
8) Phenol	4.487	94	21723	2.420 ug/ml#	46
9) Bis(2-chloroethyl)ether	4.563	93	16266	2.448 ug/ml	96
10) 1,3-Dichlorobenzene	4.746	146	20468	2.384 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	21148	2.360 ug/ml	97
12) 1,2-Dichlorobenzene	4.969	146	20265	2.413 ug/ml	97
13) Benzyl alcohol	4.952	79	13478	2.507 ug/ml	96
14) Bis(2-chloroisopropyl)...	5.093	45	21443	2.555 ug/ml#	62

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL5.D
Acq On : 25 Jun 2024 09:50 pm
Operator : SV112:mrg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939943
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 14:01:31 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.075	108	14305	2.379	ug/ml	96
16) Hexachloroethane	5.299	117	7327	2.308	ug/ml#	62
17) n-Nitrosodi-n-propylamine	5.216	70	12281	2.494	ug/ml	97
18) 3-Methylphenol/4-Methy...	5.234	108	15964	2.438	ug/ml	97
20) Nitrobenzene	5.363	77	18050	2.459	ug/ml	97
21) Isophorone	5.599	82	33596	2.535	ug/ml	98
22) 2-Nitrophenol	5.675	139	8162	2.497	ug/ml	93
23) 2,4-Dimethylphenol	5.746	107	15804	2.521	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	22151	2.483	ug/ml	99
25) 2,4-Dichlorophenol	5.916	162	16167	2.464	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.993	180	19613	2.360	ug/ml	95
36) Naphthalene	6.057	128	55949	2.396	ug/ml	99
37) Benzoic Acid	5.805	105	7164	1.561	ug/ml	98
38) 4-Chloroaniline	6.122	65	6841	2.607	ug/ml	98
39) Hexachlorobutadiene	6.210	225	12562	2.295	ug/ml	97
40) p-Chloro-m-cresol	6.616	107	15516	2.517	ug/ml	97
41) 2-Methylnaphthalene	6.740	142	37292	2.348	ug/ml	96
42) 1-Methylnaphthalene	6.828	115	12837	2.350	ug/ml	95
43) Hexachlorocyclopentadiene	6.910	237	13409	2.401	ug/ml	99
44) 2,4,6-Trichlorophenol	7.022	196	14191	2.485	ug/ml	99
45) 2,4,5-Trichlorophenol	7.051	196	14289M3	2.446	ug/ml	
47) 2-Chloronaphthalene	7.204	162	41100	2.433	ug/ml	94
48) 2-Nitroaniline	7.310	138	10733	2.405	ug/ml	94
49) 1,4-Dinitrobenzene	7.440	168	5423	2.477	ug/ml	89
50) 1,3-Dinitrobenzene	7.516	168	6188	2.438	ug/ml	95
51) Dimethyl phthalate	7.510	163	51429	2.503	ug/ml	99
52) Acenaphthylene	7.604	152	63219	2.535	ug/ml	99
53) 2,6-Dinitrotoluene	7.551	165	9849	2.563	ug/ml	95
54) 1,2-Dinitrobenzene	7.599	168	4033	2.736	ug/ml#	1
64) 3-Nitroaniline	7.710	138	10758	2.500	ug/ml	97
65) Acenaphthene	7.775	154	37917	2.362	ug/ml	96
66) 2,4-Dinitrophenol	7.810	184	4775	2.291	ug/ml#	83
67) Dibenzofuran	7.946	168	63041	2.383	ug/ml	94
68) 2,4-Dinitrotoluene	7.940	165	13917	2.521	ug/ml	93
69) 4-Nitrophenol	7.310	65	9511	2.281	ug/ml#	10
70) 2,3,5,6-Tetrachlorophenol	8.034	232	13736	2.533	ug/ml	97
71) 2,3,4,6-Tetrachlorophenol	8.075	232	14002	2.628	ug/ml	98
72) Diethyl phthalate	8.198	149	53794	2.513	ug/ml	97
73) Fluorene	8.275	166	49869	2.421	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.293	204	26566	2.366	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL5.D
Acq On : 25 Jun 2024 09:50 pm
Operator : SV112:mrg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939943
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 14:01:31 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.298	138	11886	2.626	ug/ml	98
76)	4,6-Dinitro-o-cresol	8.334	198	7380	2.221	ug/ml#	76
77)	NDPA/DPA	8.404	169	43143	2.435	ug/ml	94
78)	Azobenzene	8.440	77	46861	2.493	ug/ml#	94
80)	4-Bromophenyl phenyl e...	8.763	248	16949	2.356	ug/ml#	81
81)	Hexachlorobenzene	8.816	284	21027	2.327	ug/ml#	84
82)	Pentachlorophenol	9.010	266	10924	2.672	ug/ml	98
89)	Phenanthrene	9.198	178	81747	2.397	ug/ml	98
90)	Anthracene	9.245	178	80680	2.418	ug/ml	99
91)	Carbazole	9.410	167	75932	2.486	ug/ml	99
92)	Di-n-butylphthalate	9.798	149	86882	2.607	ug/ml	99
93)	Fluoranthene	10.357	202	97797M3	2.472	ug/ml	
94)	Benzidine	10.504	184	56239	2.585	ug/ml#	98
95)	Pyrene	10.575	202	105090	2.506	ug/ml	99
97)	Butyl benzyl phthalate	11.281	149	36400	2.469	ug/ml	94
105)	Benzo(a)anthracene	11.816	228	111753	2.476	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.810	252	40371	2.456	ug/ml#	96
107)	Chrysene	11.851	228	108259	2.447	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.922	149	58065	2.587	ug/ml#	99
109)	Di-n-octylphthalate	12.598	149	89425	2.600	ug/ml	97
110)	Benzo(b)fluoranthene	12.928	252	112721	2.435	ug/ml#	95
111)	Benzo(k)fluoranthene	12.951	252	107892M3	2.553	ug/ml	
112)	Benzo(a)pyrene	13.239	252	98942	2.450	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.298	276	100988M6	2.252	ug/mL	
115)	Dibenzo(a,h)anthracene	14.322	278	102782	2.400	ug/ml#	91
116)	Benzo(ghi)perylene	14.557	276	101454	2.347	ug/ml#	93

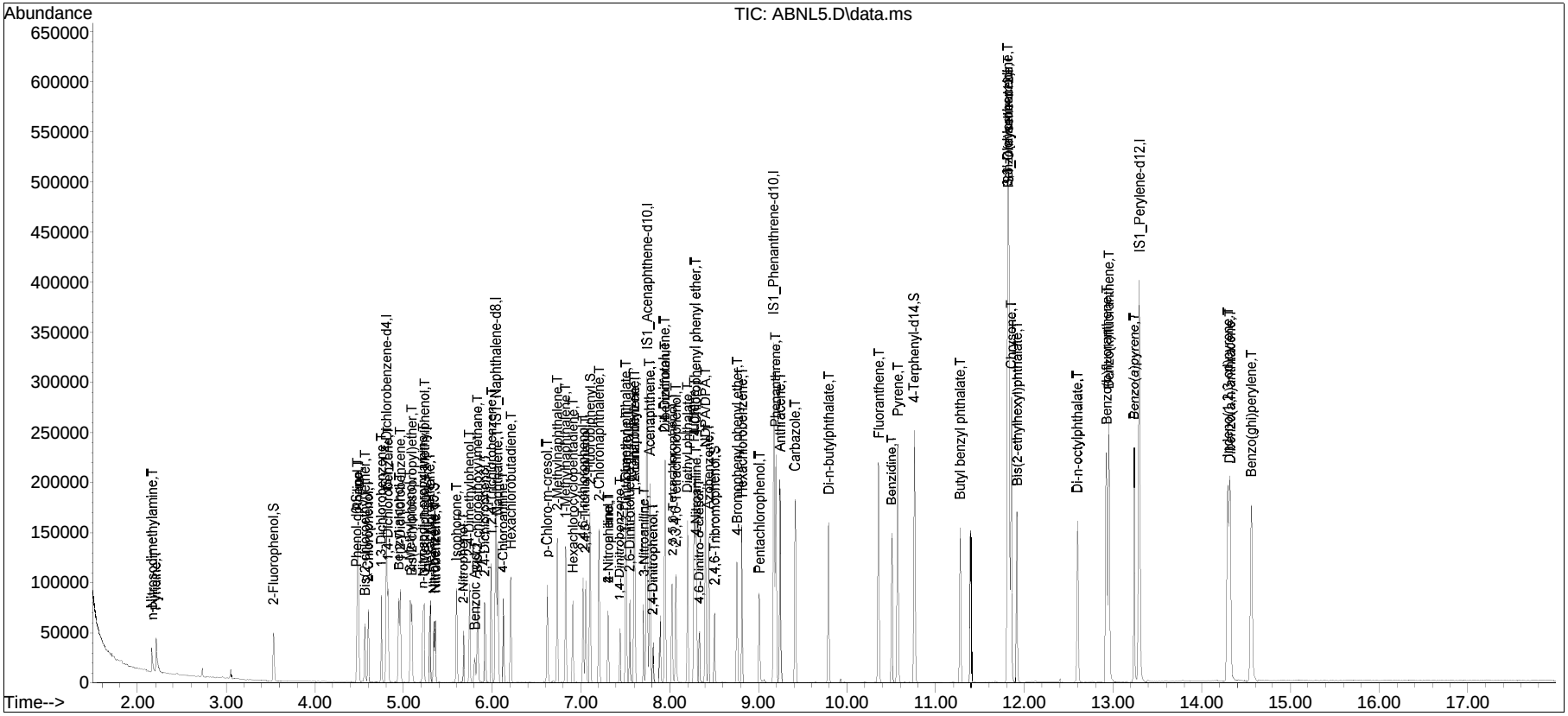
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL5.D
Acq On : 25 Jun 2024 09:50 pm
Operator : SV112:mrg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939943
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 14:01:31 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

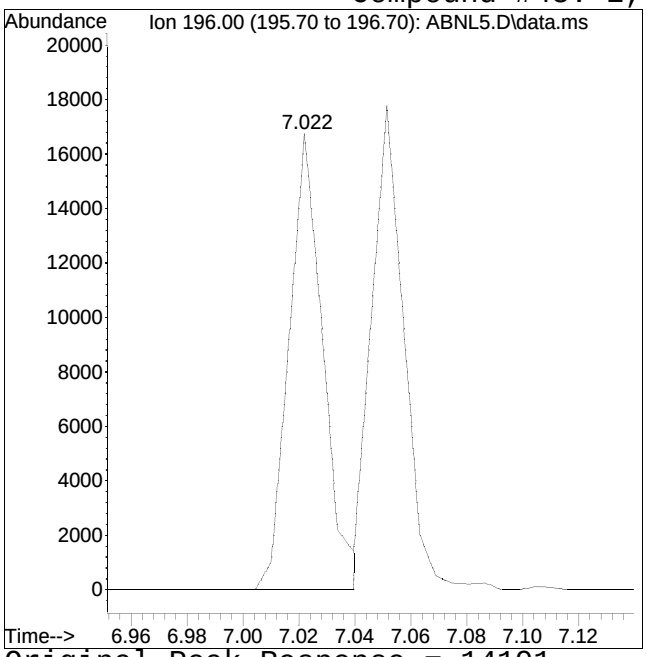
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

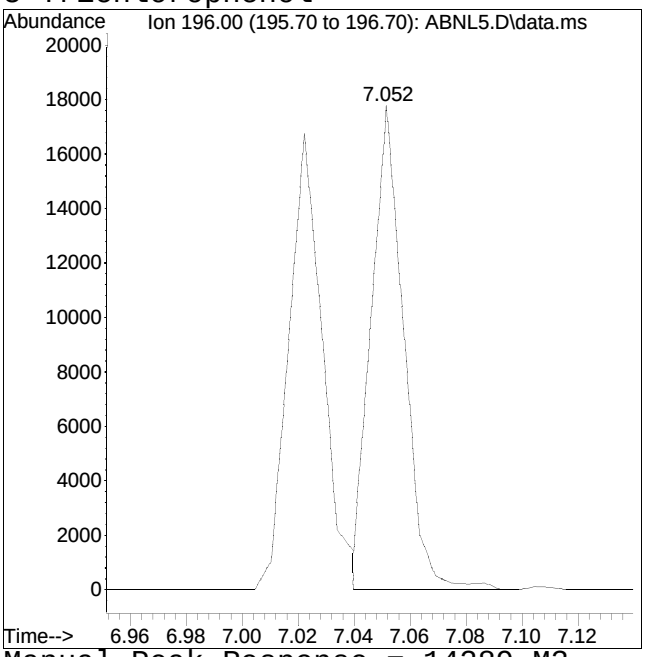


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL5.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:50 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 10782Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





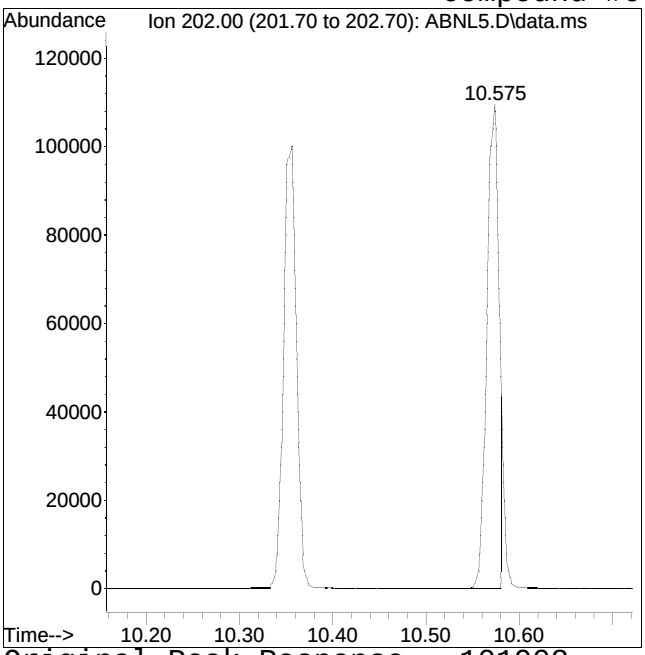
Original Peak Response = 14191 Manual Peak Response = 14289 M3

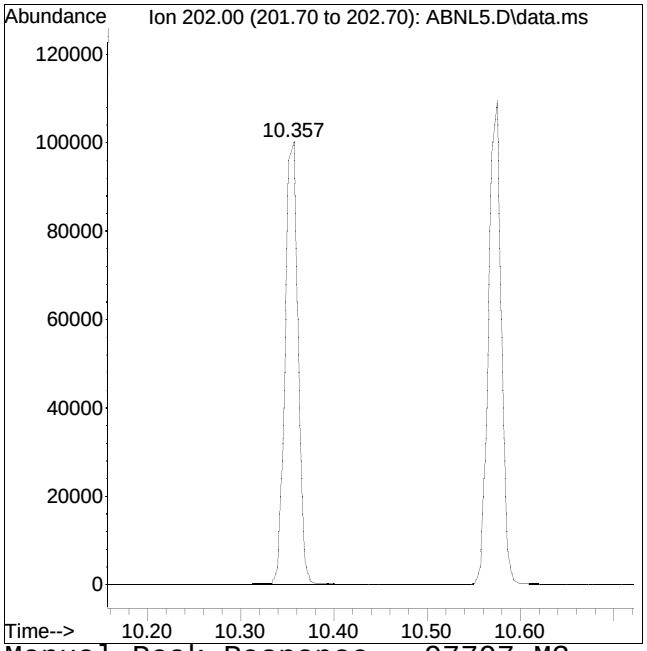
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL5.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:50 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 10782Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene



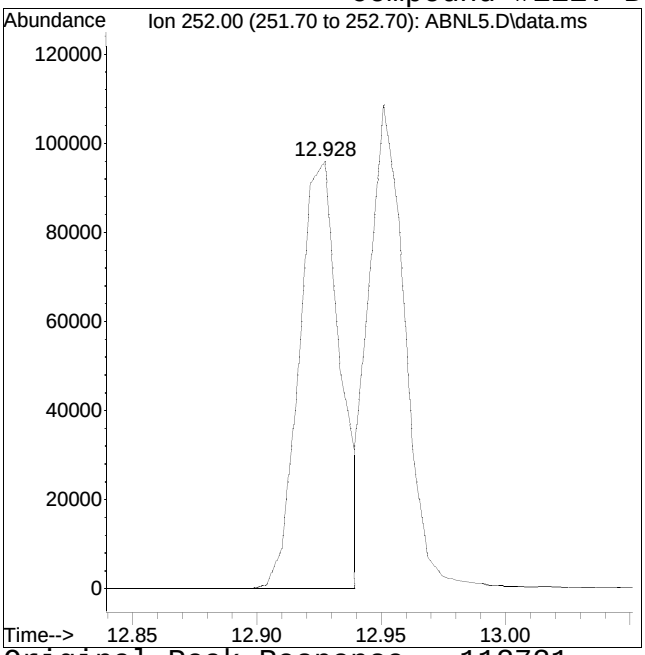


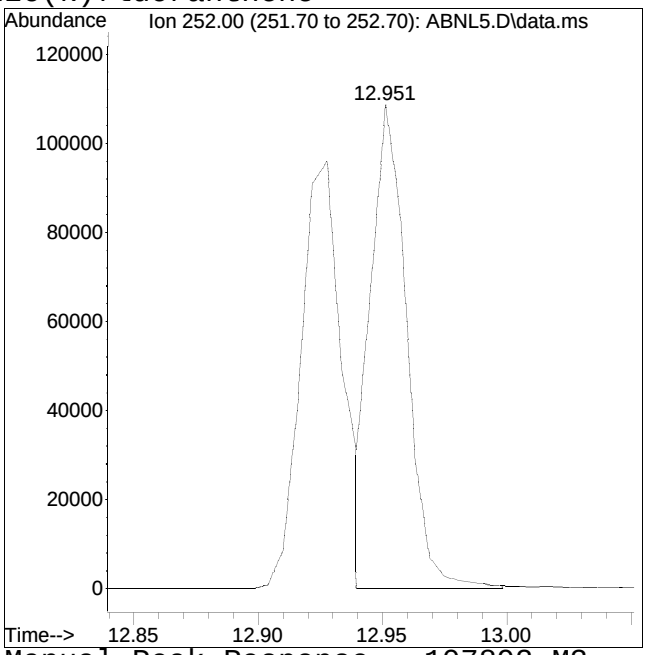
Original Peak Response = 101902 Manual Peak Response = 97797 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL5.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:50 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 10782Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene





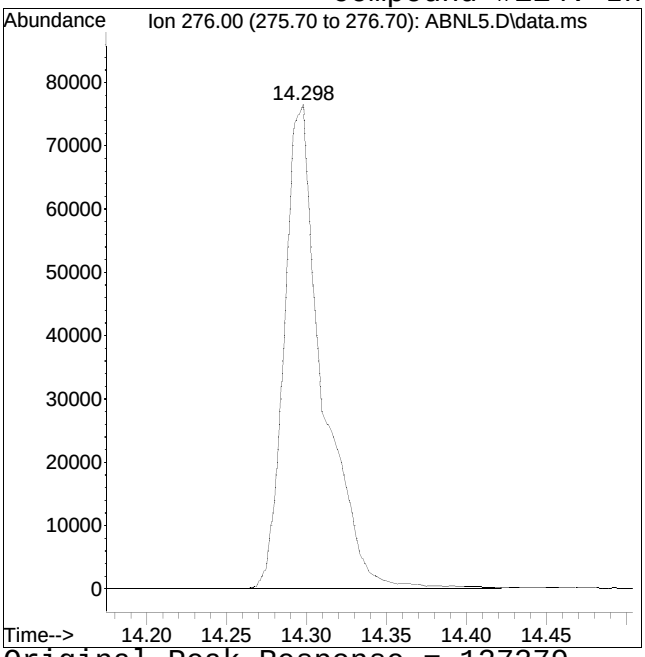
Original Peak Response = 112721 Manual Peak Response = 107892 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

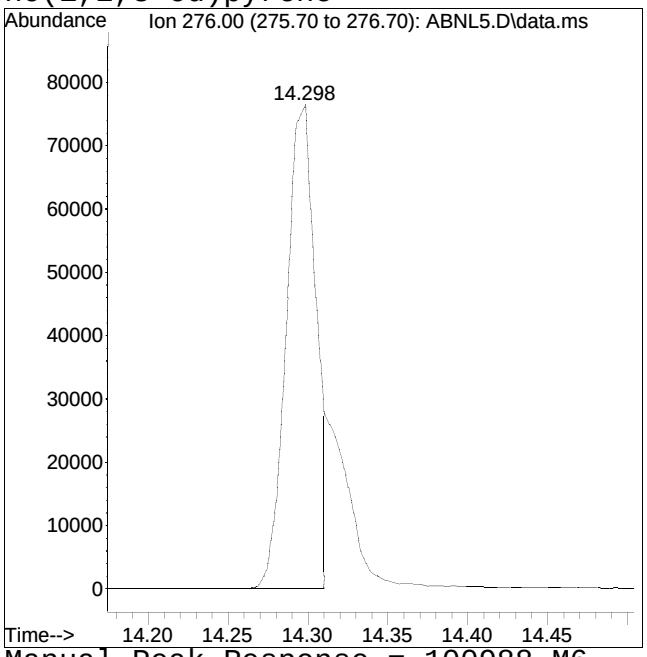
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL5.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:50 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 10782Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 127379



Manual Peak Response = 100988 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL4.D
Acq On : 25 Jun 2024 10:14 pm
Operator : SV112:mrg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939943
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:01:23 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	21971	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 103.32%		
35) IS1_Naphthalene-d8	6.040	136	81871	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 100.20%		
63) IS1_Acenaphthene-d10	7.746	164	51003	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 103.69%		
88) IS1_Phenanthrene-d10	9.175	188	114527	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 110.27%		
104) IS1_Chrysene-d12	11.822	240	118727	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 106.74%		
113) IS1_Perylene-d12	13.298	264	135825	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 103.37%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	5831	1.011 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.55%		
7) Phenol-d6	4.475	99	7170	0.962 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 48.10%		
19) Nitrobenzene-d5	5.346	82	6892	0.970 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 97.00%		
46) 2-Fluorobiphenyl	7.105	172	19055	1.029 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 102.90%		
79) 2,4,6-Tribromophenol	8.510	330	3052	1.015 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.75%		
96) 4-Terphenyl-d14	10.757	244	30038	1.020 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 102.00%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.170	74	3686	1.021 ug/ml#	93
3) Pyridine	2.223	79	5843	1.020 ug/ml	86
5) Aniline	4.487	93	10129	1.018 ug/ml#	57
6) 2-Chlorophenol	4.599	128	6816	0.992 ug/ml	91
8) Phenol	4.487	94	8446	0.975 ug/ml#	48
9) Bis(2-chloroethyl)ether	4.564	93	6320	0.986 ug/ml	96
10) 1,3-Dichlorobenzene	4.752	146	8338	1.006 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	8437	0.975 ug/ml	95
12) 1,2-Dichlorobenzene	4.969	146	7964	0.983 ug/ml	96
13) Benzyl alcohol	4.952	79	5260	1.014 ug/ml	97
14) Bis(2-chloroisopropyl)...	5.093	45	7818	0.965 ug/ml#	54

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL4.D
Acq On : 25 Jun 2024 10:14 pm
Operator : SV112:mrg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939943
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:01:23 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	5788	0.997	ug/ml	97
16) Hexachloroethane	5.299	117	3236	1.056	ug/ml#	68
17) n-Nitrosodi-n-propylamine	5.216	70	4669	0.982	ug/ml#	86
18) 3-Methylphenol/4-Methy...	5.234	108	6209	0.983	ug/ml	97
20) Nitrobenzene	5.364	77	6860	0.969	ug/ml	97
21) Isophorone	5.599	82	12488	0.977	ug/ml	98
22) 2-Nitrophenol	5.675	139	2906	0.921	ug/ml	96
23) 2,4-Dimethylphenol	5.746	107	6147	1.016	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.834	93	8312	0.966	ug/ml	98
25) 2,4-Dichlorophenol	5.916	162	6110	0.965	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.993	180	8116	1.012	ug/ml#	95
36) Naphthalene	6.058	128	22245	1.036	ug/ml	98
37) Benzoic Acid	5.799	105	1481	0.516	ug/ml#	76
38) 4-Chloroaniline	6.122	65	2368	0.982	ug/ml	83
39) Hexachlorobutadiene	6.211	225	5202	1.034	ug/ml	100
40) p-Chloro-m-cresol	6.616	107	5573	0.983	ug/ml	94
41) 2-Methylnaphthalene	6.740	142	15181	1.040	ug/ml	98
42) 1-Methylnaphthalene	6.828	115	4843	0.965	ug/ml	93
43) Hexachlorocyclopentadiene	6.910	237	5175	1.008	ug/ml	98
44) 2,4,6-Trichlorophenol	7.022	196	5165	0.984	ug/ml	98
45) 2,4,5-Trichlorophenol	7.052	196	5154M3	0.960	ug/ml	
47) 2-Chloronaphthalene	7.205	162	15791	1.017	ug/ml	93
48) 2-Nitroaniline	7.310	138	3812	0.929	ug/ml	96
49) 1,4-Dinitrobenzene	7.440	168	1908	0.948	ug/ml	93
50) 1,3-Dinitrobenzene	7.516	168	2180	0.934	ug/ml	97
51) Dimethyl phthalate	7.510	163	19090	1.011	ug/ml	100
52) Acenaphthylene	7.605	152	22822	0.996	ug/ml	98
53) 2,6-Dinitrotoluene	7.552	165	3378	0.956	ug/ml	93
54) 1,2-Dinitrobenzene	7.599	168	1385	1.022	ug/ml#	1
64) 3-Nitroaniline	7.710	138	3743	0.982	ug/ml#	91
65) Acenaphthene	7.775	154	14322	1.008	ug/ml	97
66) 2,4-Dinitrophenol	7.810	184	1211	0.928	ug/ml	90
67) Dibenzofuran	7.946	168	24795	1.058	ug/ml	90
68) 2,4-Dinitrotoluene	7.940	165	4660	0.953	ug/ml	96
69) 4-Nitrophenol	7.310	65	3499	0.948	ug/ml#	5
70) 2,3,5,6-Tetrachlorophenol	8.034	232	4594	0.957	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	8.075	232	4589	0.973	ug/ml	96
72) Diethyl phthalate	8.199	149	19050	1.005	ug/ml	95
73) Fluorene	8.275	166	18140	0.994	ug/ml	95
74) 4-Chlorophenyl phenyl ...	8.293	204	10082	1.014	ug/ml#	80

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL4.D
Acq On : 25 Jun 2024 10:14 pm
Operator : SV112:mrg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939943
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:01:23 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.299	138	4142	1.033	ug/ml	95
76)	4,6-Dinitro-o-cresol	8.334	198	2313	0.936	ug/ml#	72
77)	NDPA/DPA	8.405	169	16167	1.030	ug/ml	96
78)	Azobenzene	8.440	77	17038	1.024	ug/ml	92
80)	4-Bromophenyl phenyl e...	8.763	248	6271	0.985	ug/ml#	81
81)	Hexachlorobenzene	8.816	284	8157	1.019	ug/ml#	86
82)	Pentachlorophenol	9.005	266	3465	0.957	ug/ml	98
89)	Phenanthrene	9.199	178	31199	1.030	ug/ml	98
90)	Anthracene	9.246	178	29870	1.008	ug/ml	99
91)	Carbazole	9.410	167	27149	1.000	ug/ml	98
92)	Di-n-butylphthalate	9.793	149	30017	1.014	ug/ml	99
93)	Fluoranthene	10.351	202	35822M3	1.019	ug/ml	
94)	Benzidine	10.504	184	18506	0.957	ug/ml#	96
95)	Pyrene	10.569	202	37816	1.015	ug/ml	99
97)	Butyl benzyl phthalate	11.281	149	11835	0.903	ug/ml#	93
105)	Benzo(a)anthracene	11.810	228	38609	1.013	ug/ml	100
106)	3,3'-Dichlorobenzidine	11.810	252	13078	0.942	ug/ml#	96
107)	Chrysene	11.851	228	39448	1.055	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.916	149	17903	0.944	ug/ml#	97
109)	Di-n-octylphthalate	12.598	149	26346	0.907	ug/ml#	97
110)	Benzo(b)fluoranthene	12.922	252	41187	1.053	ug/ml#	92
111)	Benzo(k)fluoranthene	12.951	252	35681M3	1.000	ug/ml	
112)	Benzo(a)pyrene	13.240	252	34861	1.022	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.292	276	35897M6	0.945	ug/mL	
115)	Dibenzo(a,h)anthracene	14.316	278	37295	1.028	ug/ml#	92
116)	Benzo(ghi)perylene	14.557	276	36653	1.002	ug/ml#	92

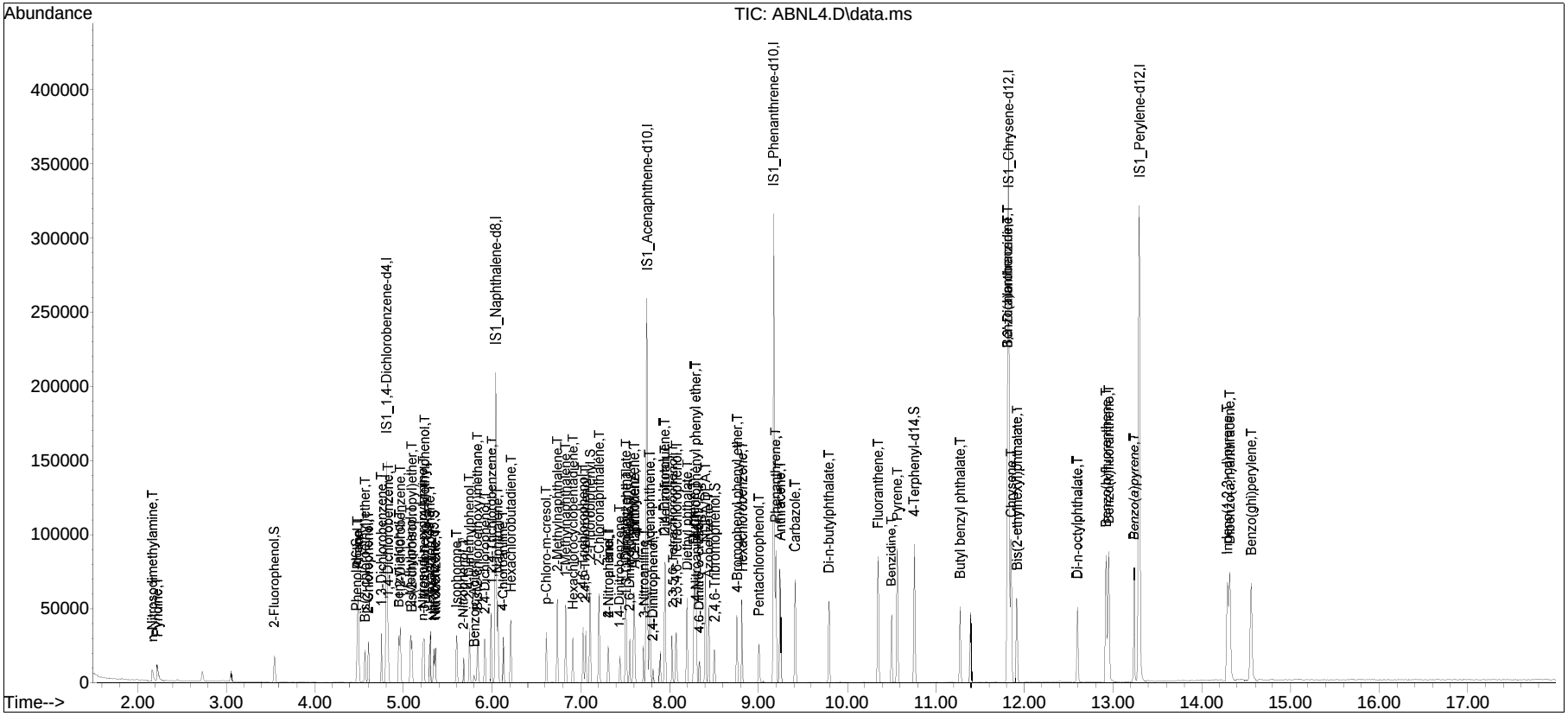
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL4.D
Acq On : 25 Jun 2024 10:14 pm
Operator : SV112:mrg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939943
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:01:23 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

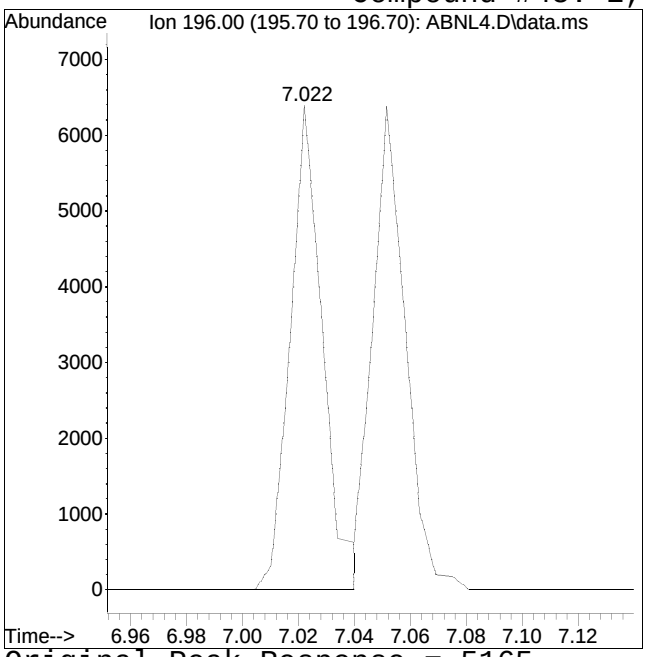
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

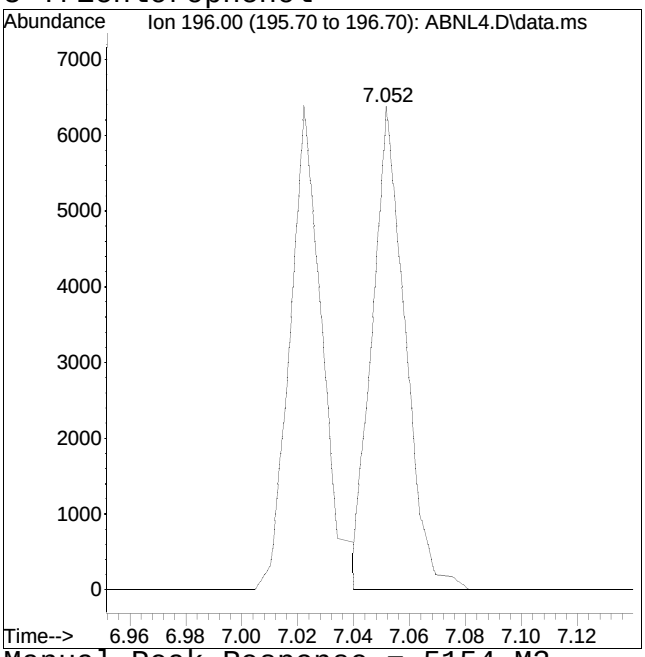


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL4.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:14 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





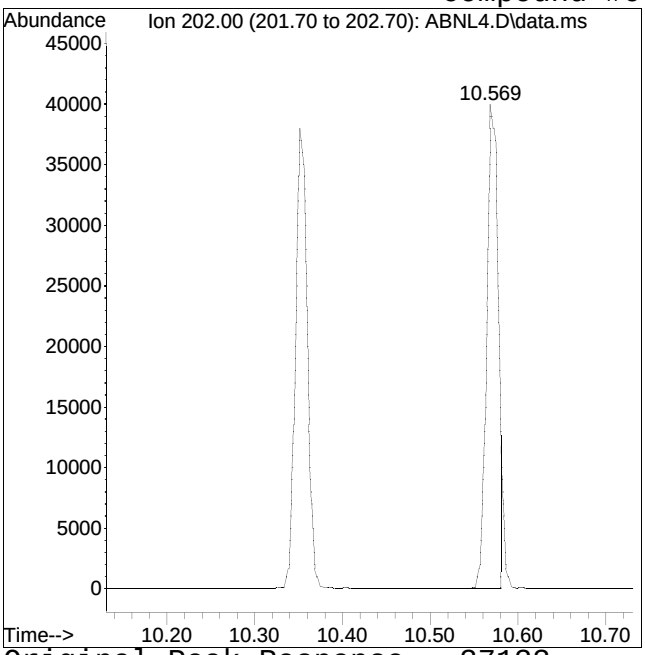
Original Peak Response = 5165 Manual Peak Response = 5154 M3

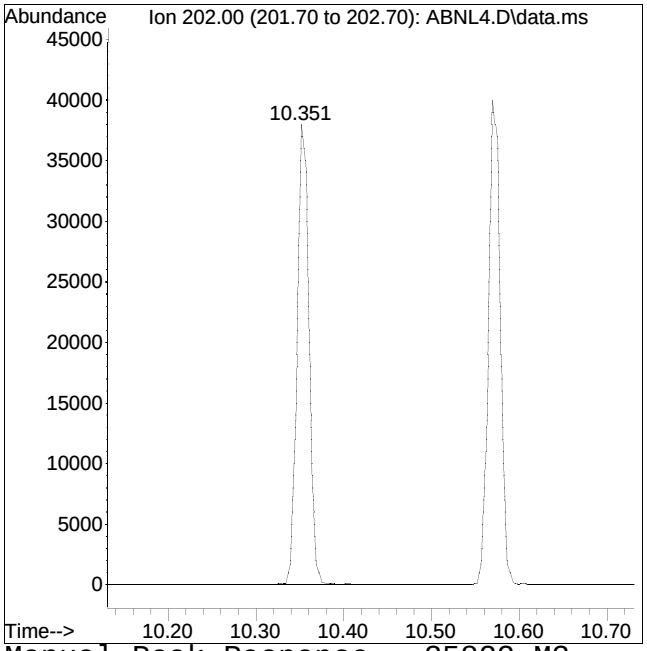
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL4.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:14 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene



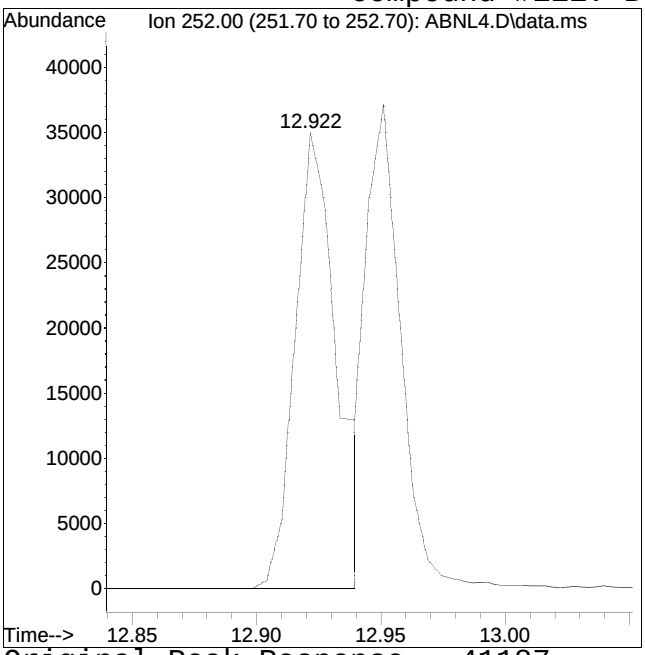


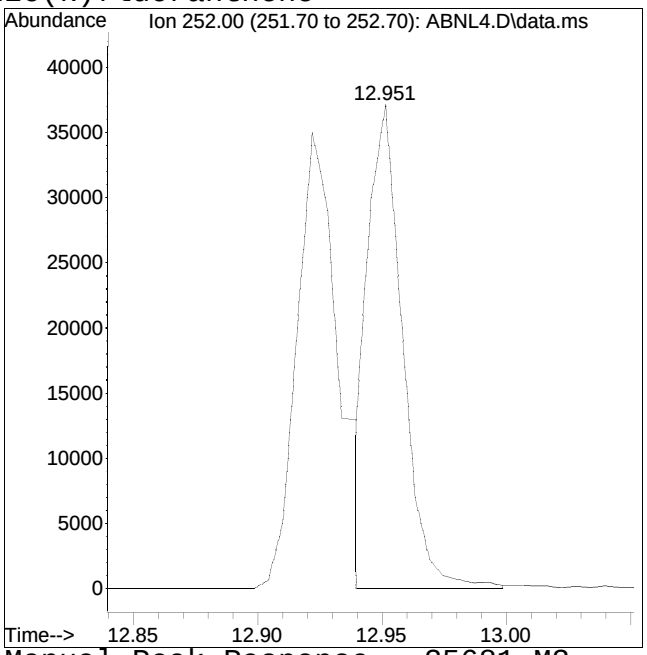
Original Peak Response = 37133 Manual Peak Response = 35822 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL4.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:14 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



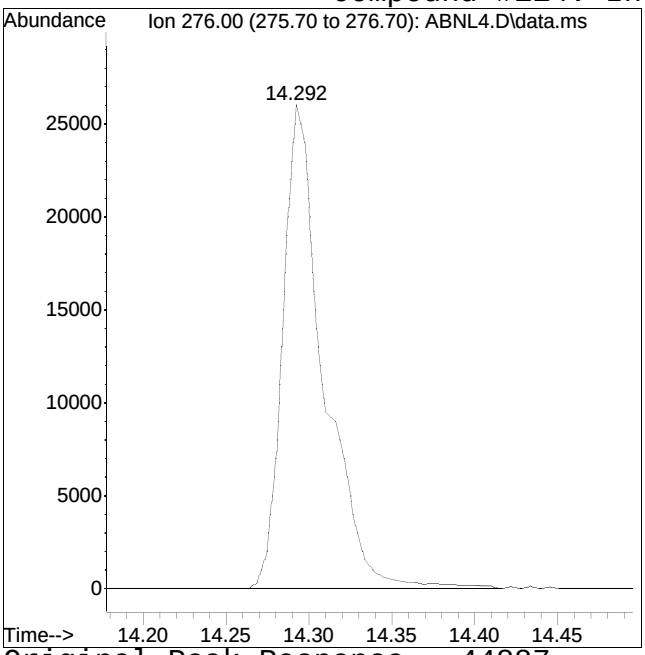


Original Peak Response = 41187 Manual Peak Response = 35681 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

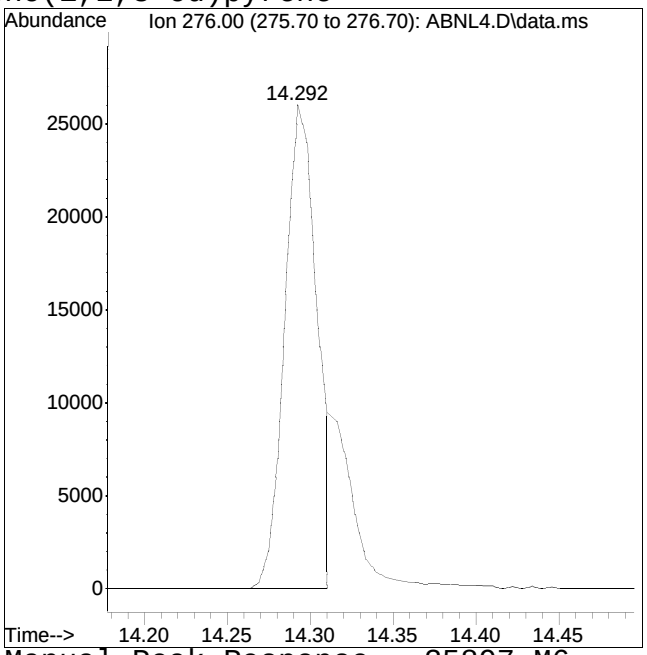
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL4.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:14 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 44887



Manual Peak Response = 35897 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL3.D
Acq On : 25 Jun 2024 10:37 pm
Operator : SV112:mrg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939943
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 14:01:14 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	21531	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 101.25%		
35) IS1_Naphthalene-d8	6.040	136	80456	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 98.47%		
63) IS1_Acenaphthene-d10	7.746	164	49615	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 100.87%		
88) IS1_Phenanthrene-d10	9.175	188	113431	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 109.22%		
104) IS1_Chrysene-d12	11.822	240	119417	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 107.36%		
113) IS1_Perylene-d12	13.298	264	139944	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 106.51%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	3059	0.541 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.05%		
7) Phenol-d6	4.475	99	3674	0.503 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.15%		
19) Nitrobenzene-d5	5.346	82	3456	0.496 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 49.60%		
46) 2-Fluorobiphenyl	7.104	172	9640	0.530 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 53.00%		
79) 2,4,6-Tribromophenol	8.510	330	1570	0.537 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.85%		
96) 4-Terphenyl-d14	10.757	244	15760	0.540 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 54.00%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.169	74	1798	0.508 ug/ml#	76
3) Pyridine	2.228	79	2950	0.526 ug/ml	87
5) Aniline	4.487	93	4787	0.491 ug/ml#	52
6) 2-Chlorophenol	4.599	128	3481	0.517 ug/ml	93
8) Phenol	4.487	94	4195	0.494 ug/ml#	48
9) Bis(2-chloroethyl)ether	4.563	93	3281	0.522 ug/ml	97
10) 1,3-Dichlorobenzene	4.752	146	4139	0.510 ug/ml	98
11) 1,4-Dichlorobenzene	4.822	146	4559	0.538 ug/ml	97
12) 1,2-Dichlorobenzene	4.969	146	4291M3	0.540 ug/ml	
13) Benzyl alcohol	4.952	79	2429	0.478 ug/ml	96
14) Bis(2-chloroisopropyl)...	5.093	45	4116	0.519 ug/ml#	55

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL3.D
Acq On : 25 Jun 2024 10:37 pm
Operator : SV112:mrg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939943
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 14:01:14 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	2845	0.500	ug/ml	99
16) Hexachloroethane	5.299	117	1452	0.484	ug/ml#	51
17) n-Nitrosodi-n-propylamine	5.222	70	2283	0.490	ug/ml#	62
18) 3-Methylphenol/4-Methy...	5.234	108	3088	0.499	ug/ml#	90
20) Nitrobenzene	5.363	77	3379	0.487	ug/ml#	88
21) Isophorone	5.605	82	6143	0.490	ug/ml#	91
22) 2-Nitrophenol	5.675	139	1462	0.473	ug/ml#	76
23) 2,4-Dimethylphenol	5.746	107	3160	0.533	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.834	93	4317	0.512	ug/ml#	91
25) 2,4-Dichlorophenol	5.916	162	2886	0.465	ug/ml	90
26) 1,2,4-Trichlorobenzene	5.993	180	3902	0.497	ug/ml	92
36) Naphthalene	6.057	128	11582	0.549	ug/ml	99
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	6.128	65	1170	0.494	ug/ml	78
39) Hexachlorobutadiene	6.210	225	2769	0.560	ug/ml	98
40) p-Chloro-m-cresol	6.616	107	2661	0.478	ug/ml	95
41) 2-Methylnaphthalene	6.740	142	7593	0.529	ug/ml	99
42) 1-Methylnaphthalene	6.828	115	2598	0.527	ug/ml	99
43) Hexachlorocyclopentadiene	6.910	237	2747	0.544	ug/ml#	88
44) 2,4,6-Trichlorophenol	7.022	196	2459	0.477	ug/ml	98
45) 2,4,5-Trichlorophenol	7.052	196	2732M3	0.518	ug/ml	
47) 2-Chloronaphthalene	7.204	162	7927	0.520	ug/ml	91
48) 2-Nitroaniline	7.310	138	2018	0.501	ug/ml	89
49) 1,4-Dinitrobenzene	7.440	168	901	0.456	ug/ml	89
50) 1,3-Dinitrobenzene	7.516	168	1057	0.461	ug/ml	96
51) Dimethyl phthalate	7.510	163	10143	0.547	ug/ml#	97
52) Acenaphthylene	7.604	152	12026	0.534	ug/ml	98
53) 2,6-Dinitrotoluene	7.551	165	1638	0.472	ug/ml	96
54) 1,2-Dinitrobenzene	7.599	168	626	0.470	ug/ml#	1
64) 3-Nitroaniline	7.710	138	1781	0.481	ug/ml#	87
65) Acenaphthene	7.775	154	7604	0.550	ug/ml	97
66) 2,4-Dinitrophenol	7.816	184	490M2	0.607	ug/ml	
67) Dibenzofuran	7.946	168	12935	0.568	ug/ml	92
68) 2,4-Dinitrotoluene	7.940	165	2185	0.460	ug/ml	100
69) 4-Nitrophenol	7.310	65	1759	0.490	ug/ml#	5
70) 2,3,5,6-Tetrachlorophenol	8.034	232	2226	0.477	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.075	232	2299	0.501	ug/ml	98
72) Diethyl phthalate	8.199	149	9919	0.538	ug/ml	96
73) Fluorene	8.275	166	9598	0.541	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.293	204	5075	0.525	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL3.D
Acq On : 25 Jun 2024 10:37 pm
Operator : SV112:mrg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939943
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 14:01:14 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.299	138	1828	0.469	ug/ml	98
76)	4,6-Dinitro-o-cresol	8.334	198	998	0.544	ug/ml#	1
77)	NDPA/DPA	8.404	169	8041	0.527	ug/ml	94
78)	Azobenzene	8.440	77	8517	0.526	ug/ml	94
80)	4-Bromophenyl phenyl e...	8.763	248	3206	0.517	ug/ml#	80
81)	Hexachlorobenzene	8.816	284	4220	0.542	ug/ml#	82
82)	Pentachlorophenol	9.010	266	1607	0.456	ug/ml	98
89)	Phenanthrene	9.198	178	16630	0.554	ug/ml	99
90)	Anthracene	9.246	178	15416	0.525	ug/ml	99
91)	Carbazole	9.410	167	14347	0.534	ug/ml	99
92)	Di-n-butylphthalate	9.798	149	15004	0.512	ug/ml	100
93)	Fluoranthene	10.357	202	18807M3	0.540	ug/ml	
94)	Benzidine	10.504	184	9089	0.475	ug/ml#	97
95)	Pyrene	10.575	202	19930	0.540	ug/ml	98
97)	Butyl benzyl phthalate	11.281	149	6152	0.474	ug/ml#	93
105)	Benzo(a)anthracene	11.810	228	20536	0.536	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.810	252	6714	0.481	ug/ml	97
107)	Chrysene	11.851	228	20927	0.557	ug/ml	97
108)	Bis(2-ethylhexyl)phtha...	11.922	149	8915	0.468	ug/ml#	97
109)	Di-n-octylphthalate	12.598	149	13695	0.469	ug/ml#	97
110)	Benzo(b)fluoranthene	12.922	252	21894	0.557	ug/ml#	92
111)	Benzo(k)fluoranthene	12.951	252	19443M3	0.542	ug/ml	
112)	Benzo(a)pyrene	13.239	252	18592	0.542	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	14.292	276	19562M6	0.500	ug/mL	
115)	Dibenzo(a,h)anthracene	14.316	278	20134	0.539	ug/ml#	90
116)	Benzo(ghi)perylene	14.557	276	20038	0.531	ug/ml#	93

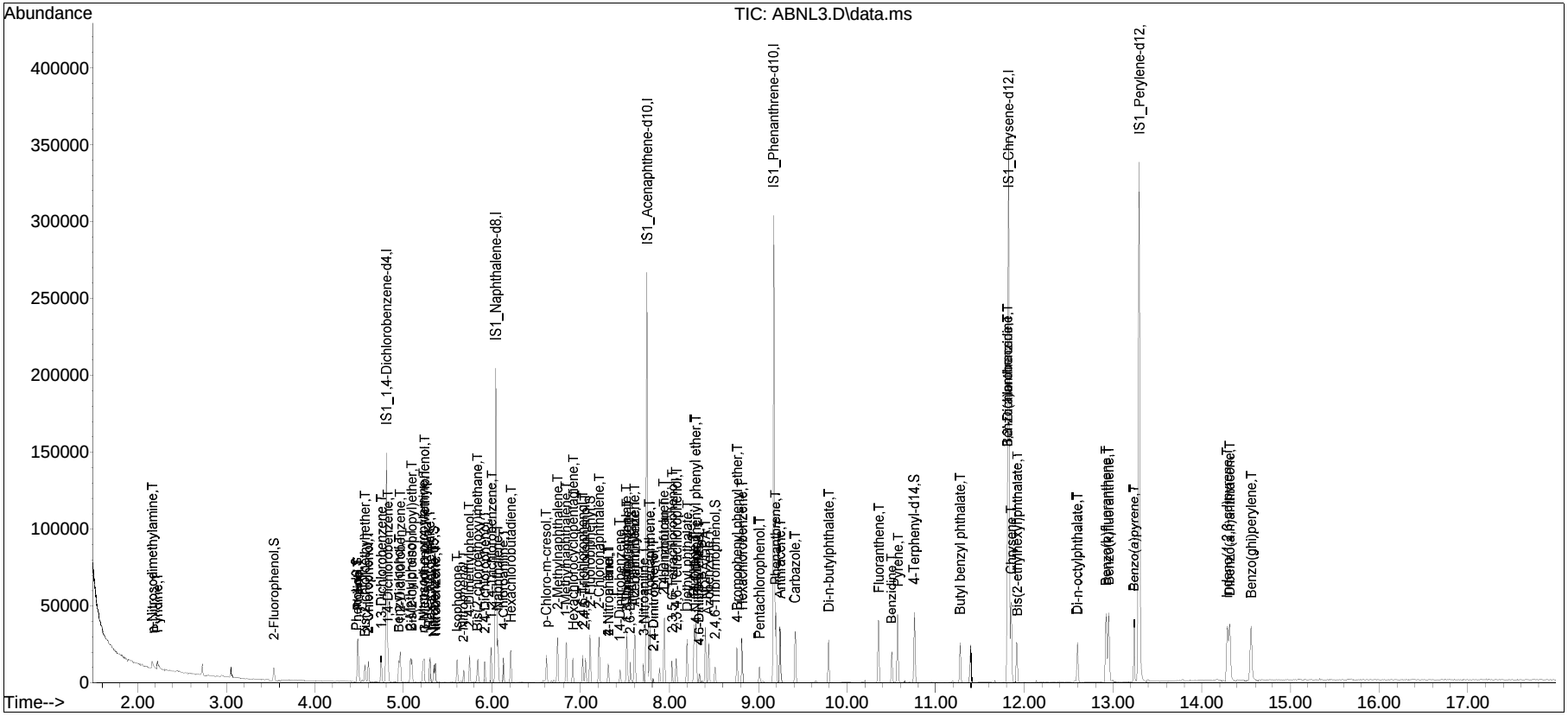
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL3.D
Acq On : 25 Jun 2024 10:37 pm
Operator : SV112:mrg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939943
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 14:01:14 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

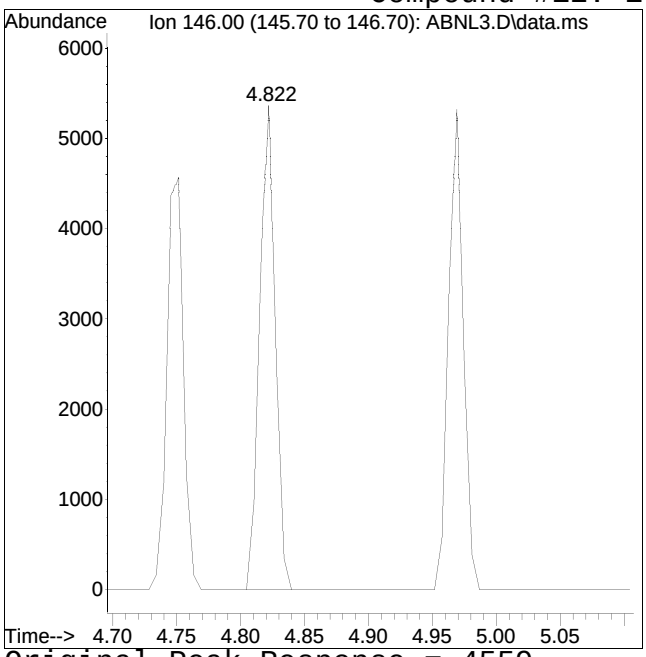
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

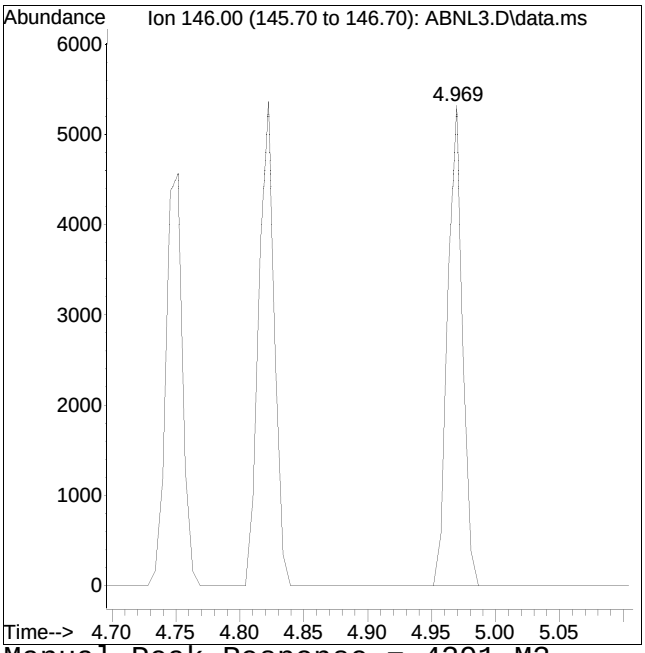


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #12: 1,2-Dichlorobenzene





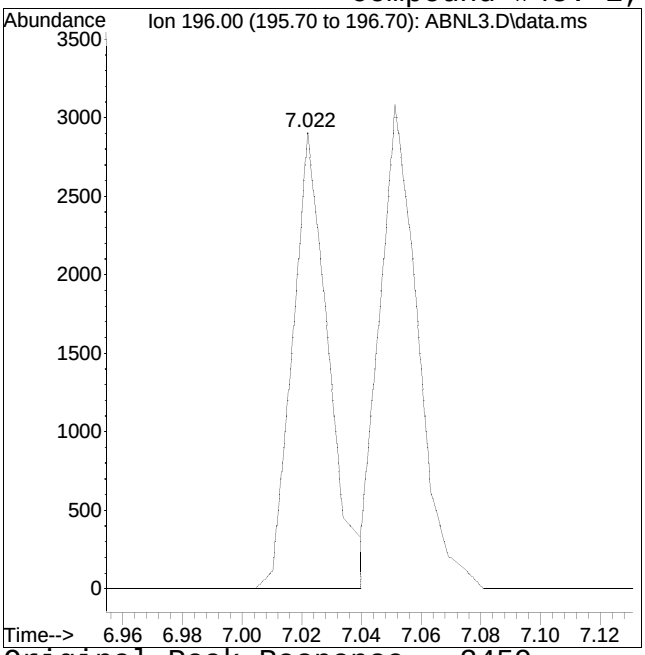
Original Peak Response = 4559 Manual Peak Response = 4291 M3

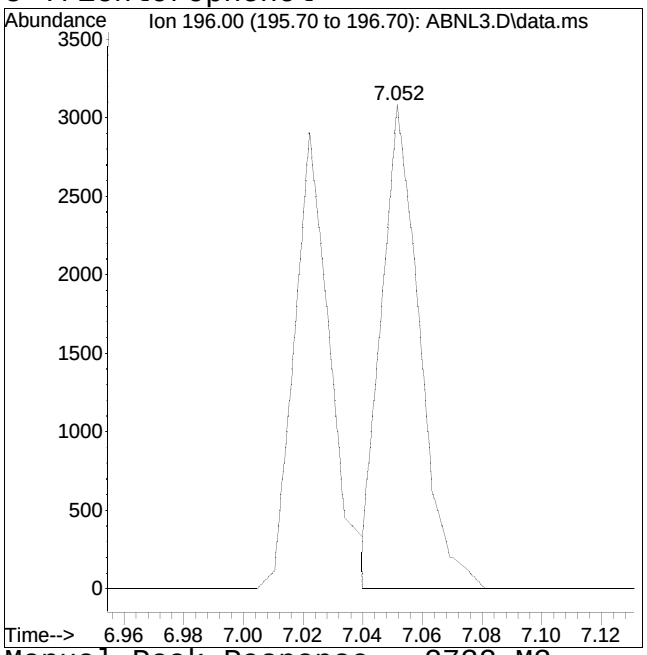
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





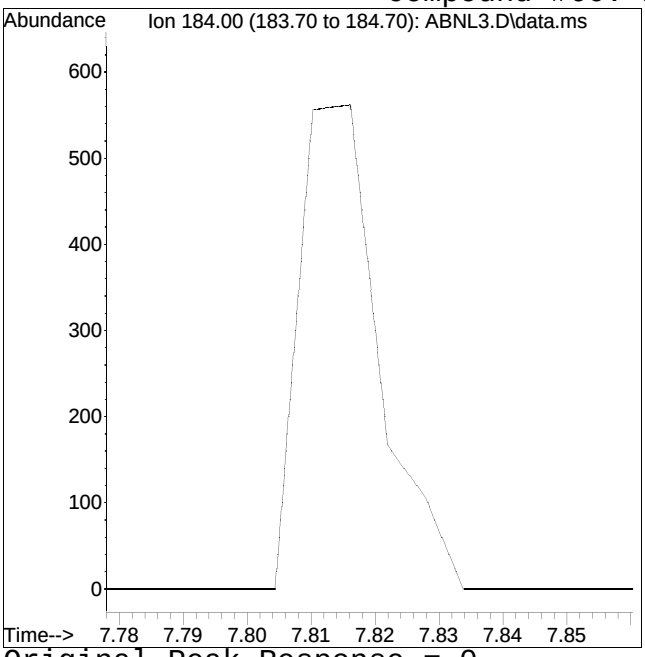
Original Peak Response = 2459 Manual Peak Response = 2732 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

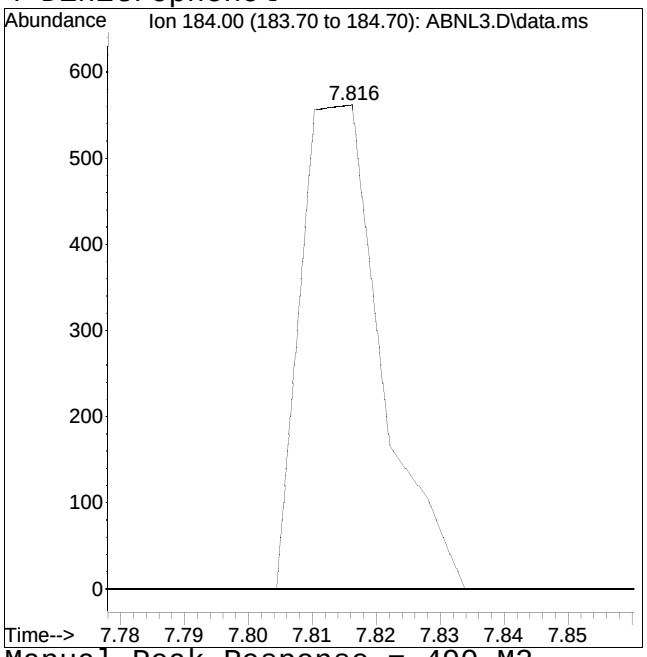
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0



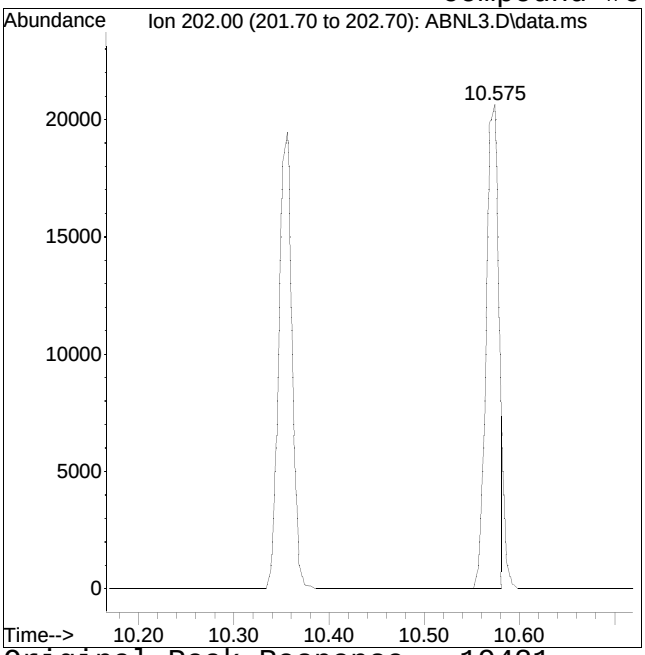
Manual Peak Response = 490 M2

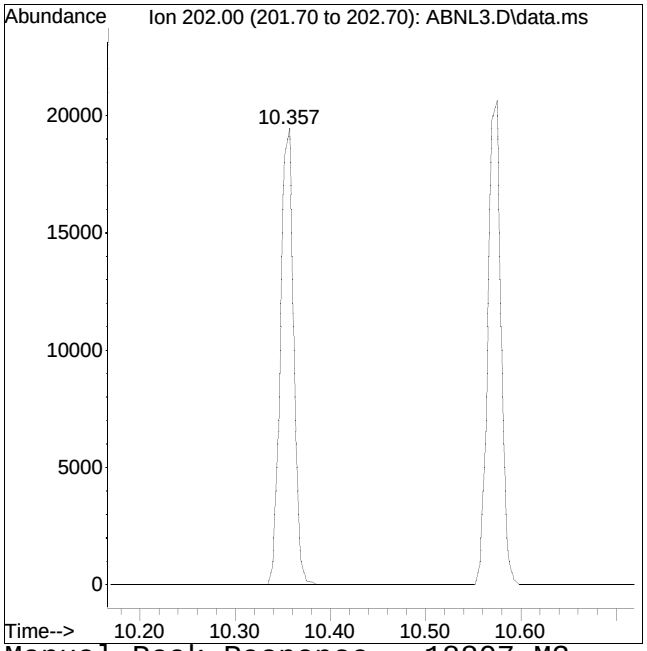
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene



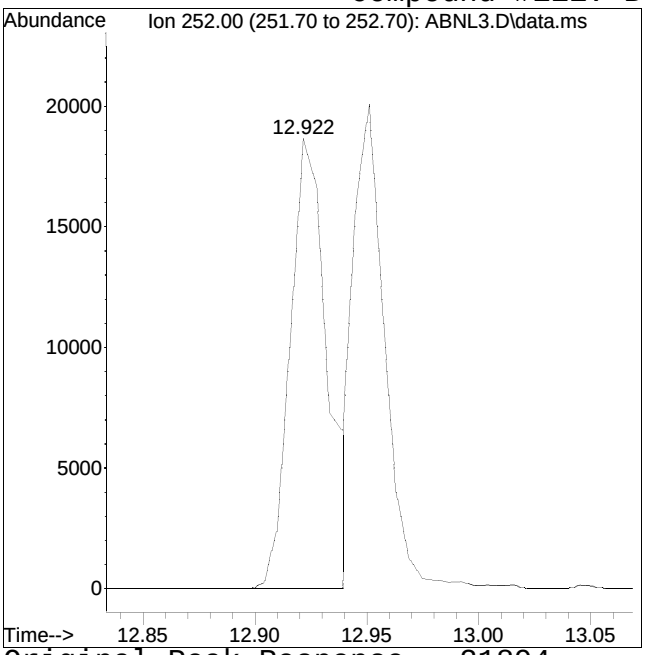


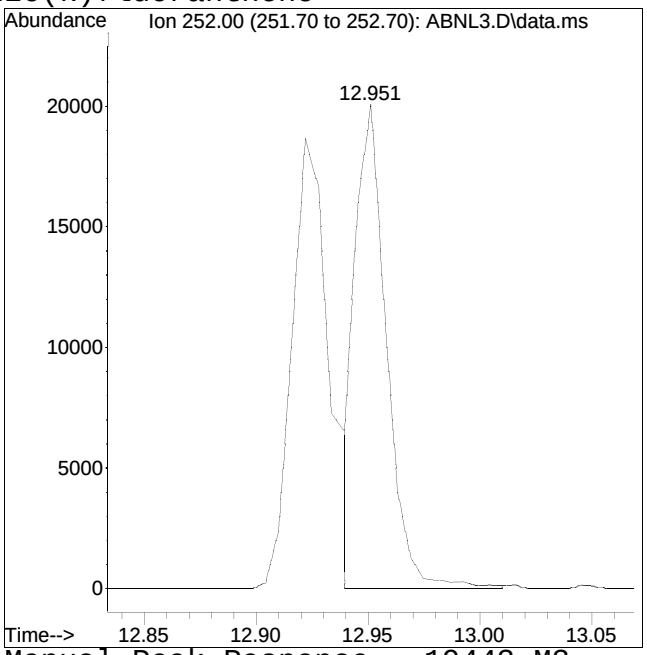
Original Peak Response = 19421 Manual Peak Response = 18807 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



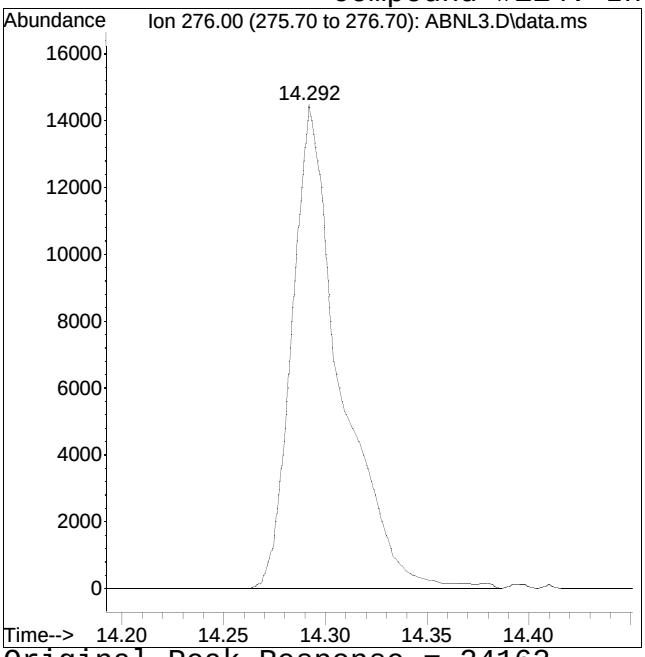


Original Peak Response = 21894 Manual Peak Response = 19443 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

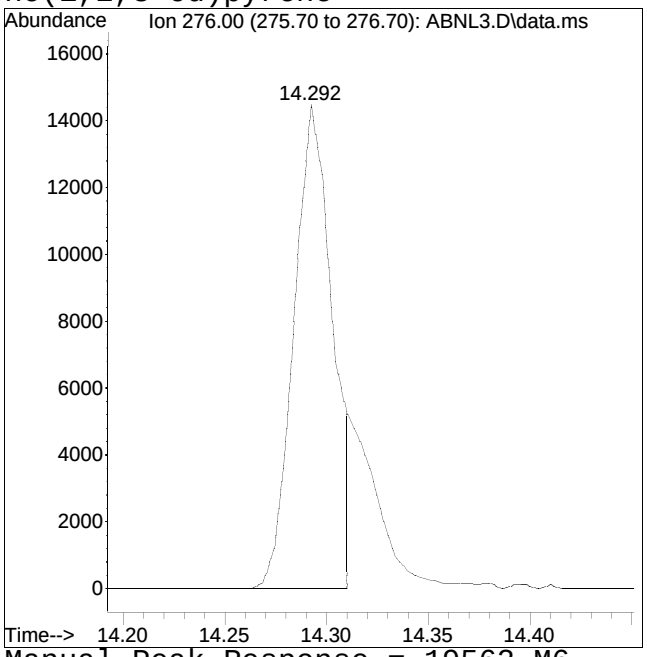
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 24162



Manual Peak Response = 19562 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL2.D
Acq On : 25 Jun 2024 11:00 pm
Operator : SV112:mrg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939943
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 14:01:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.804	152	19198	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 90.28%		
35) IS1_Naphthalene-d8	6.040	136	71874	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 87.97%		
63) IS1_Acenaphthene-d10	7.745	164	44637	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 90.75%		
88) IS1_Phenanthrene-d10	9.175	188	102635	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 98.82%		
104) IS1_Chrysene-d12	11.822	240	108008	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 97.11%		
113) IS1_Perylene-d12	13.298	264	123684	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 94.13%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	1082	0.215 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.75%#		
7) Phenol-d6	4.475	99	1434	0.220 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 11.00%#		
19) Nitrobenzene-d5	5.346	82	1409	0.227 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 22.70%#		
46) 2-Fluorobiphenyl	7.104	172	4068	0.250 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 25.00%#		
79) 2,4,6-Tribromophenol	8.504	330	239M2	0.091 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.55%#		
96) 4-Terphenyl-d14	10.757	244	6360	0.241 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 24.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.175	74	656	0.208 ug/ml#	64
3) Pyridine	2.240	79	965	0.193 ug/ml	89
5) Aniline	4.487	93	2027	0.233 ug/ml#	56
6) 2-Chlorophenol	4.599	128	1348	0.225 ug/ml#	72
8) Phenol	4.487	94	1714	0.226 ug/ml#	48
9) Bis(2-chloroethyl)ether	4.563	93	1270	0.227 ug/ml#	82
10) 1,3-Dichlorobenzene	4.752	146	1712	0.236 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	1968	0.260 ug/ml	96
12) 1,2-Dichlorobenzene	4.969	146	1608	0.227 ug/ml	88
13) Benzyl alcohol	4.952	79	999	0.220 ug/ml	98

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL2.D
Acq On : 25 Jun 2024 11:00 pm
Operator : SV112:mrg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939943
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 14:01:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14) Bis(2-chloroisopropyl)...	5.093	45	1733	0.245	ug/ml#	45
15) 2-Methylphenol	5.081	108	1175	0.232	ug/ml#	86
16) Hexachloroethane	5.299	117	641	0.239	ug/ml#	16
17) n-Nitrosodi-n-propylamine	5.222	70	956	0.230	ug/ml#	62
18) 3-Methylphenol/4-Methy...	5.234	108	1267	0.229	ug/ml#	89
20) Nitrobenzene	5.363	77	1400	0.226	ug/ml#	38
21) Isophorone	5.604	82	2427	0.217	ug/ml#	67
22) 2-Nitrophenol	5.675	139	546	0.198	ug/ml#	33
23) 2,4-Dimethylphenol	5.746	107	1160	0.219	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	1855	0.247	ug/ml#	88
25) 2,4-Dichlorophenol	5.916	162	1210	0.219	ug/ml#	72
26) 1,2,4-Trichlorobenzene	5.993	180	1781	0.254	ug/ml#	81
36) Naphthalene	6.057	128	4649	0.247	ug/ml	99
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	6.128	65	568	0.268	ug/ml	97
39) Hexachlorobutadiene	6.210	225	1009	0.228	ug/ml	92
40) p-Chloro-m-cresol	6.616	107	1112	0.224	ug/ml#	87
41) 2-Methylnaphthalene	6.740	142	3159	0.247	ug/ml	96
42) 1-Methylnaphthalene	6.834	115	1048	0.238	ug/ml	99
43) Hexachlorocyclopentadiene	6.910	237	1022	0.227	ug/ml#	93
44) 2,4,6-Trichlorophenol	7.022	196	998	0.217	ug/ml#	85
45) 2,4,5-Trichlorophenol	7.051	196	965M3	0.205	ug/ml	
47) 2-Chloronaphthalene	7.204	162	3300	0.242	ug/ml	93
48) 2-Nitroaniline	7.310	138	717	0.199	ug/ml#	65
49) 1,4-Dinitrobenzene	7.440	168	311M2	0.176	ug/ml	
50) 1,3-Dinitrobenzene	7.516	168	394M2	0.192	ug/ml	
51) Dimethyl phthalate	7.510	163	3960	0.239	ug/ml#	77
52) Acenaphthylene	7.604	152	4685	0.233	ug/ml	98
53) 2,6-Dinitrotoluene	7.551	165	619	0.200	ug/ml#	35
54) 1,2-Dinitrobenzene	7.593	168	157M3	0.132	ug/ml	
64) 3-Nitroaniline	7.710	138	661	0.198	ug/ml#	73
65) Acenaphthene	7.775	154	3104	0.250	ug/ml	97
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.945	168	5020	0.245	ug/ml	93
68) 2,4-Dinitrotoluene	7.940	165	820	0.192	ug/ml#	88
69) 4-Nitrophenol	7.310	65	695	0.215	ug/ml#	5
70) 2,3,5,6-Tetrachlorophenol	8.034	232	763	0.182	ug/ml#	73
71) 2,3,4,6-Tetrachlorophenol	8.075	232	760	0.184	ug/ml#	68
72) Diethyl phthalate	8.198	149	4032	0.243	ug/ml#	83
73) Fluorene	8.275	166	3788	0.237	ug/ml#	90

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL2.D
Acq On : 25 Jun 2024 11:00 pm
Operator : SV112:mrg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939943
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 14:01:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	8.293	204	2303	0.265	ug/ml#	73
75) 4-Nitroaniline	8.293	138	643	0.183	ug/ml	91
76) 4,6-Dinitro-o-cresol	8.334	198	251M2	0.319	ug/ml	
77) NDPA/DPA	8.404	169	3203	0.233	ug/ml	98
78) Azobenzene	8.440	77	3151	0.216	ug/ml#	92
80) 4-Bromophenyl phenyl e...	8.763	248	1395	0.250	ug/ml#	78
81) Hexachlorobenzene	8.816	284	1719	0.245	ug/ml#	87
82) Pentachlorophenol	9.010	266	511	0.161	ug/ml#	18
89) Phenanthrene	9.198	178	6872	0.253	ug/ml	97
90) Anthracene	9.245	178	6523	0.246	ug/ml	97
91) Carbazole	9.416	167	5745	0.236	ug/ml	98
92) Di-n-butylphthalate	9.798	149	6125	0.231	ug/ml#	94
93) Fluoranthene	10.351	202	7611M3	0.242	ug/ml	
94) Benzidine	10.504	184	3166	0.183	ug/ml#	68
95) Pyrene	10.575	202	7787	0.233	ug/ml	99
97) Butyl benzyl phthalate	11.281	149	2316	0.197	ug/ml#	91
105) Benzo(a)anthracene	11.810	228	8184	0.236	ug/ml	97
106) 3,3'-Dichlorobenzidine	11.810	252	2557	0.202	ug/ml#	90
107) Chrysene	11.851	228	8370M3	0.246	ug/ml	
108) Bis(2-ethylhexyl)phtha...	11.916	149	3547	0.206	ug/ml#	97
109) Di-n-octylphthalate	12.598	149	5186	0.196	ug/ml#	75
110) Benzo(b)fluoranthene	12.922	252	8396	0.236	ug/ml#	94
111) Benzo(k)fluoranthene	12.951	252	7521M3	0.232	ug/ml	
112) Benzo(a)pyrene	13.239	252	7115	0.229	ug/ml#	91
114) Indeno(1,2,3-cd)pyrene	14.292	276	7638M6	0.221	ug/mL	
115) Dibenzo(a,h)anthracene	14.316	278	7194	0.218	ug/ml#	91
116) Benzo(ghi)perylene	14.557	276	8051	0.242	ug/ml#	90

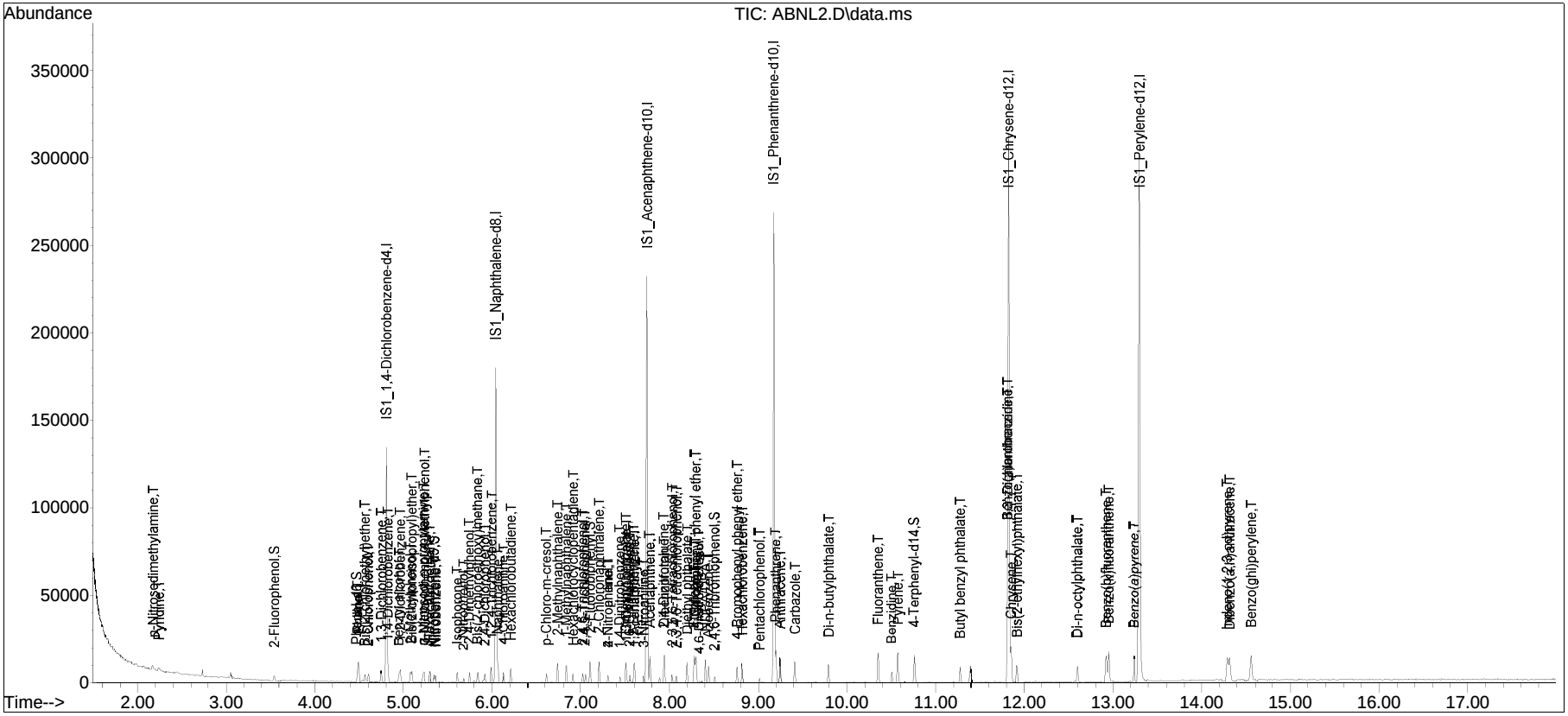
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL2.D
Acq On : 25 Jun 2024 11:00 pm
Operator : SV112:mrg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939943
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 14:01:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

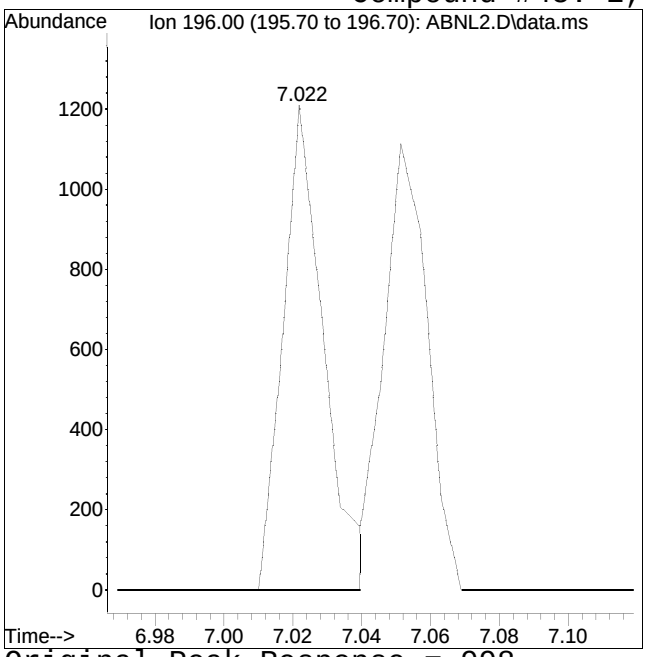
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

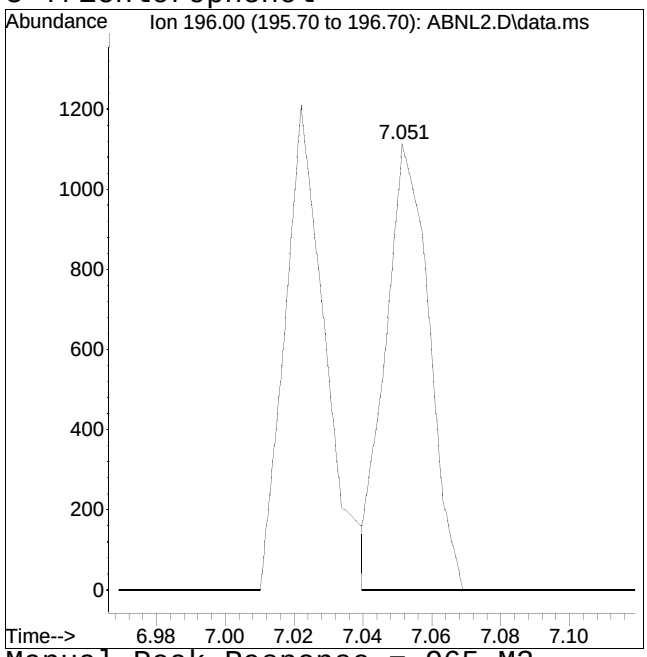


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #45: 2,4,5-Trichlorophenol





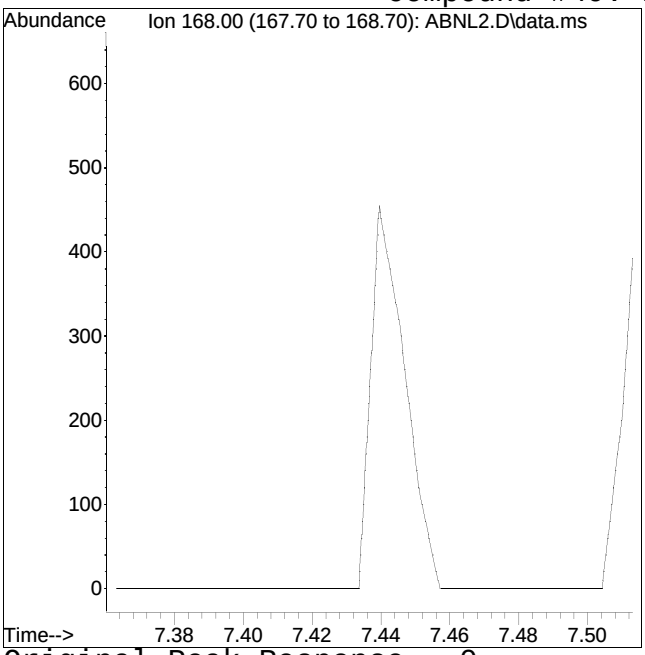
Original Peak Response = 998 Manual Peak Response = 965 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

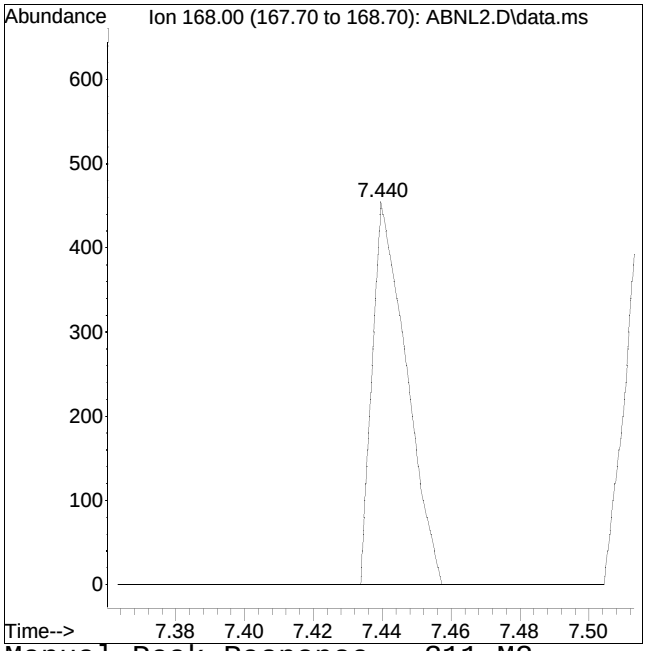
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 0



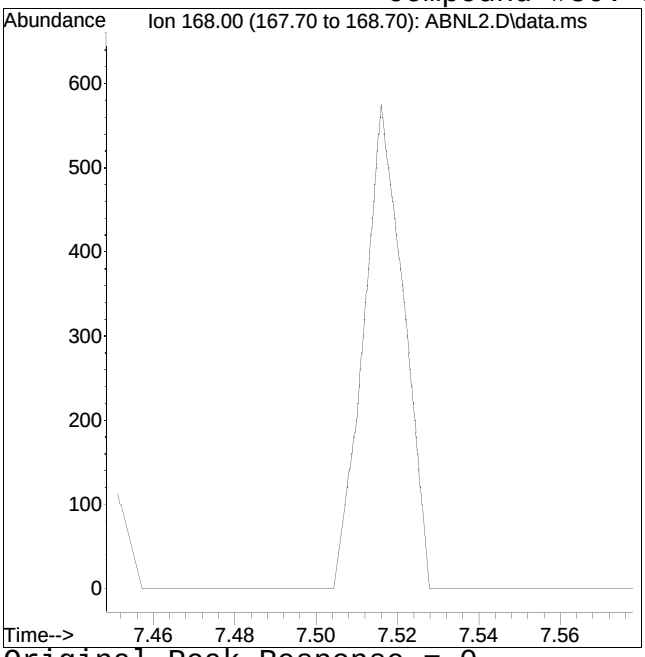
Manual Peak Response = 311 M2

M2 = Peak not found by automatic integration algorithm.

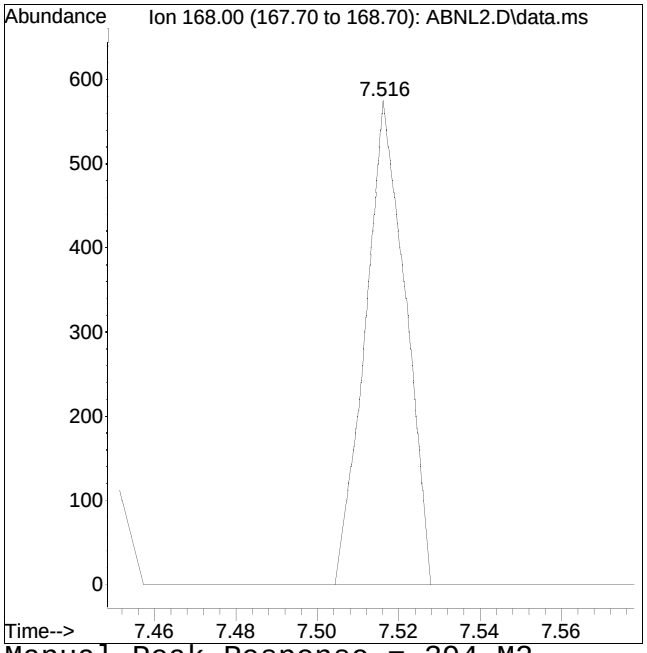
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0



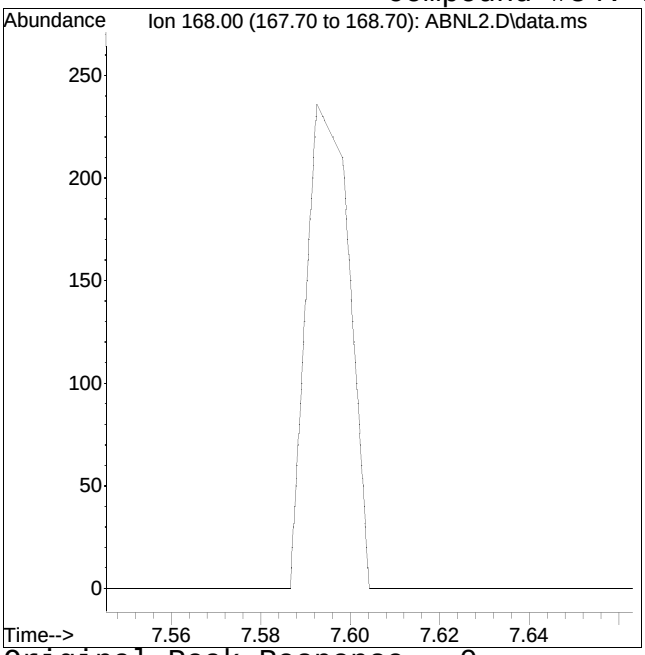
Manual Peak Response = 394 M2

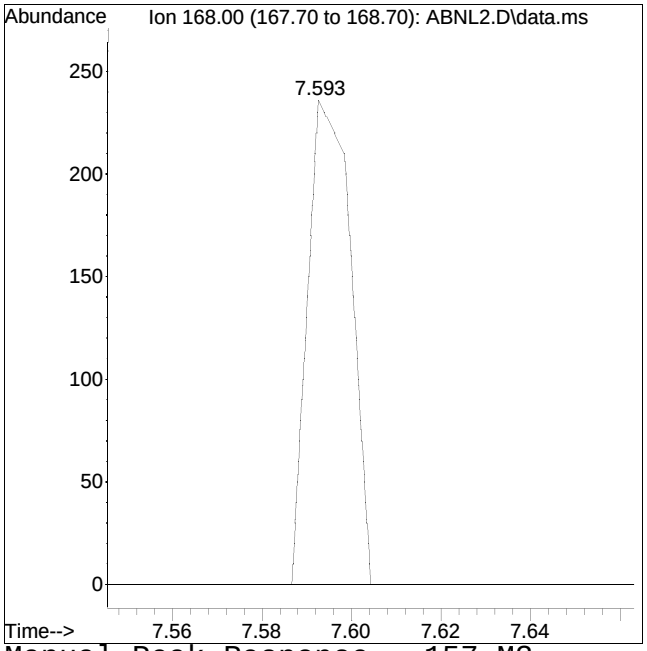
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #54: 1,2-Dinitrobenzene





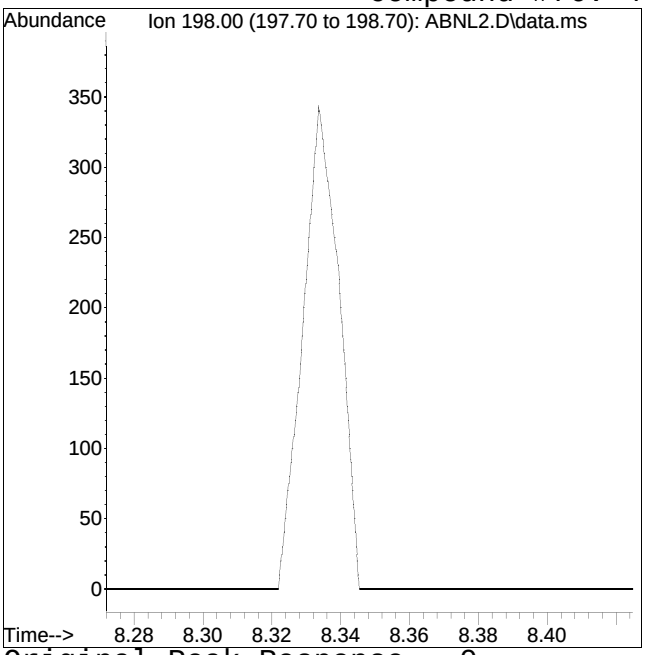
Original Peak Response = 0 Manual Peak Response = 157 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

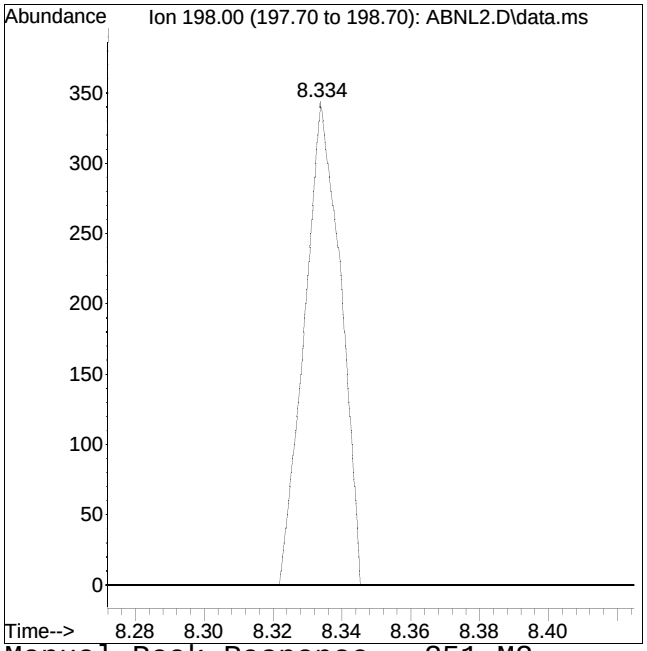
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #76: 4,6-Dinitro-o-cresol



Original Peak Response = 0



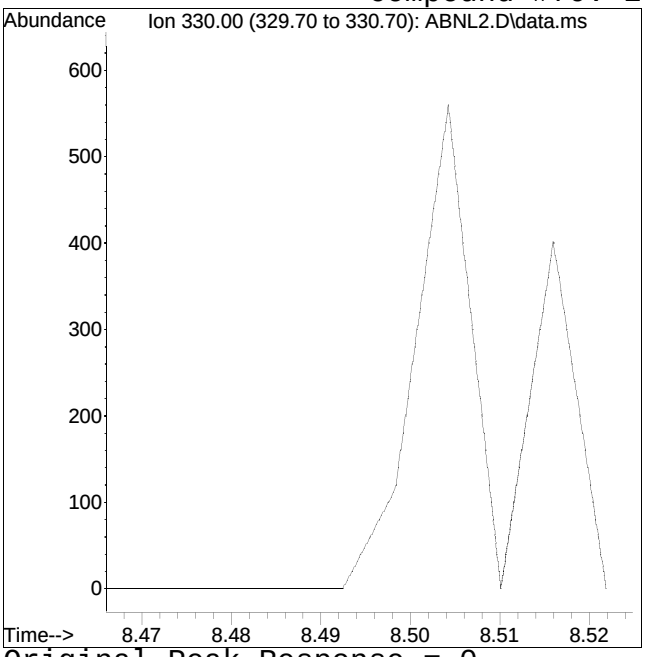
Manual Peak Response = 251 M2

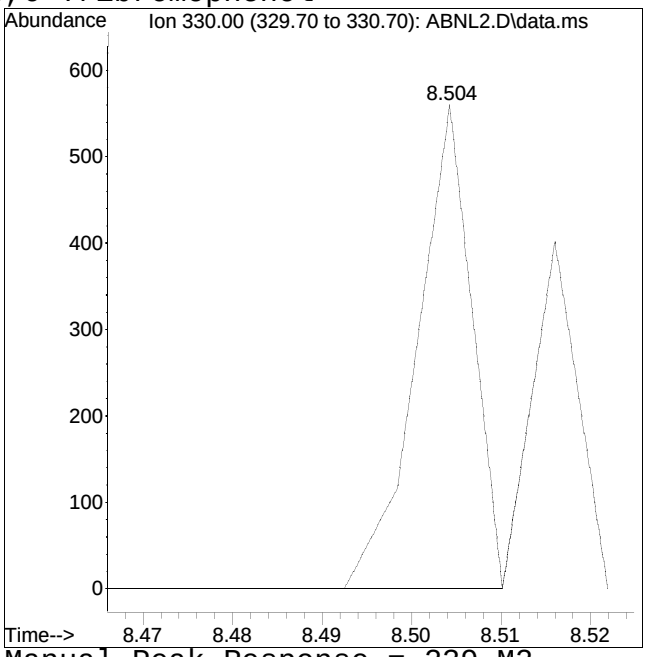
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #79: 2,4,6-Tribromophenol



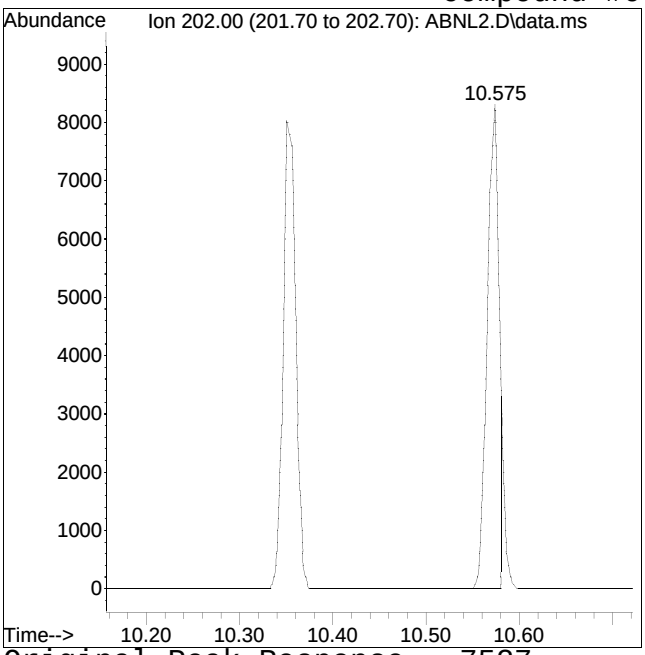


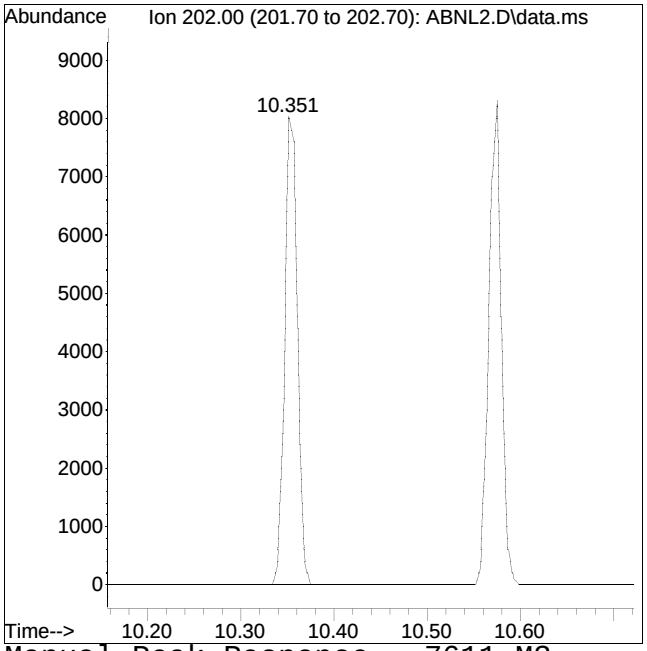
Original Peak Response = 0 Manual Peak Response = 239 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #93: Fluoranthene





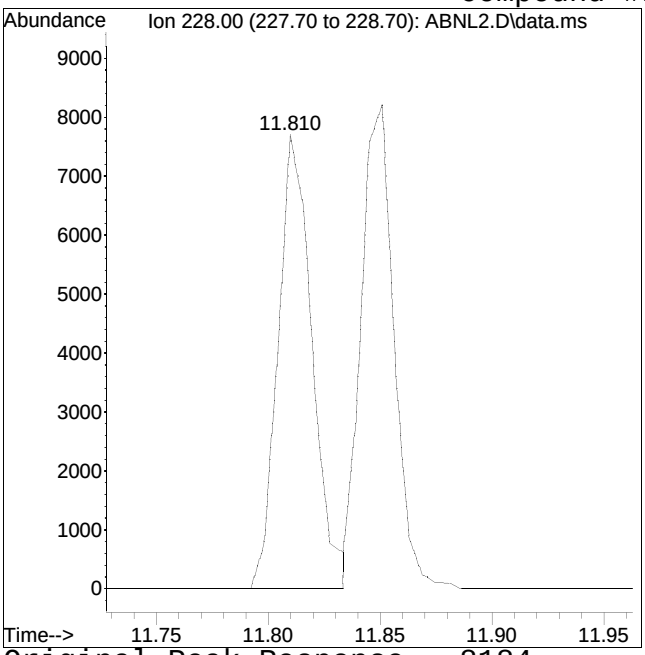
Original Peak Response = 7527 Manual Peak Response = 7611 M3

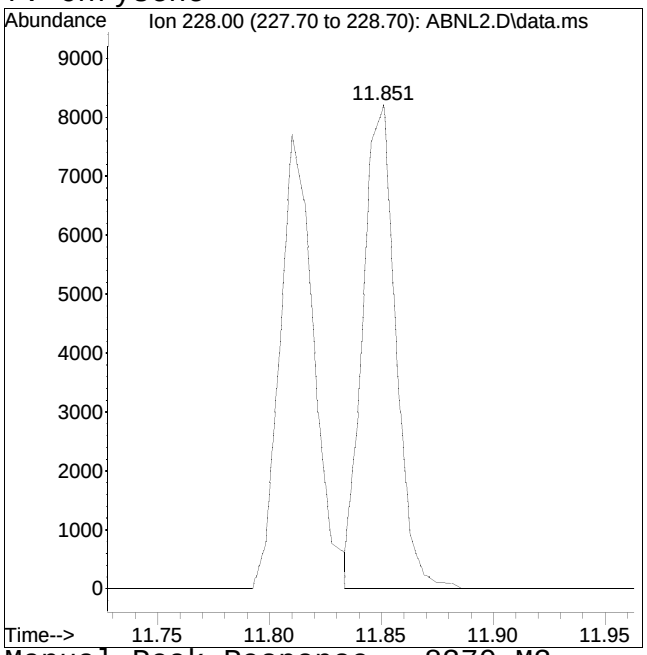
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #107: Chrysene





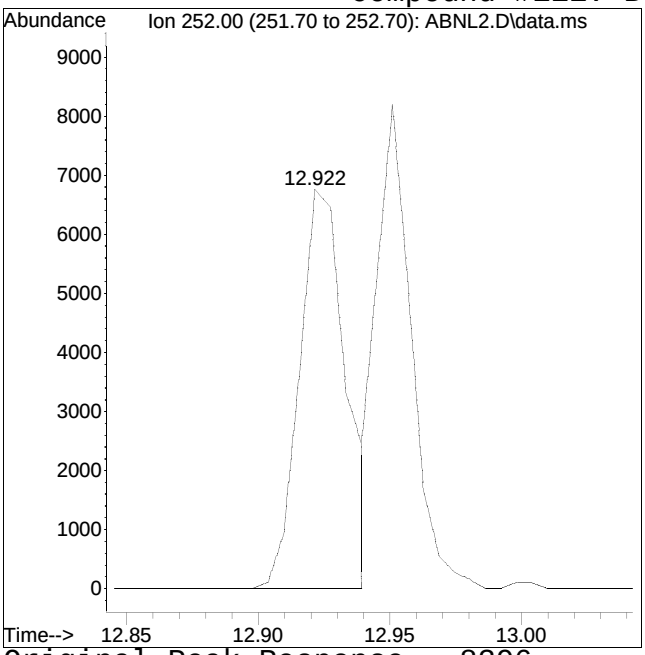
Original Peak Response = 8184 Manual Peak Response = 8370 M3

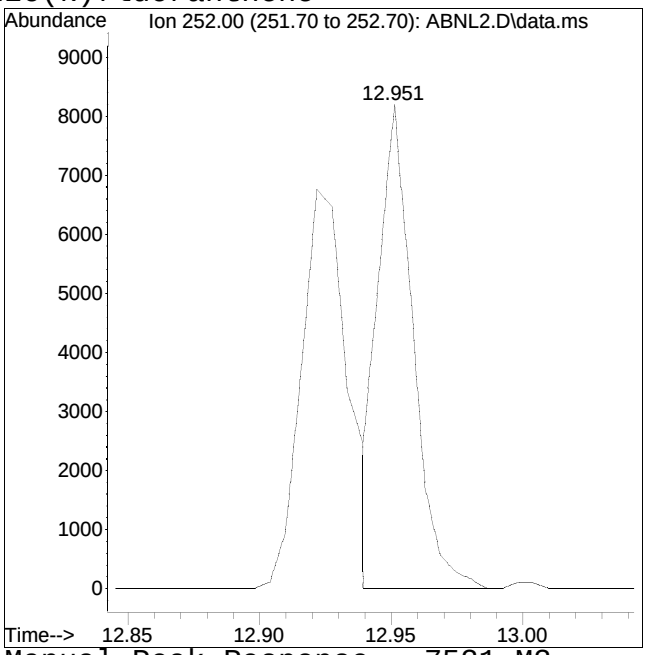
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #111: Benzo(k)fluoranthene





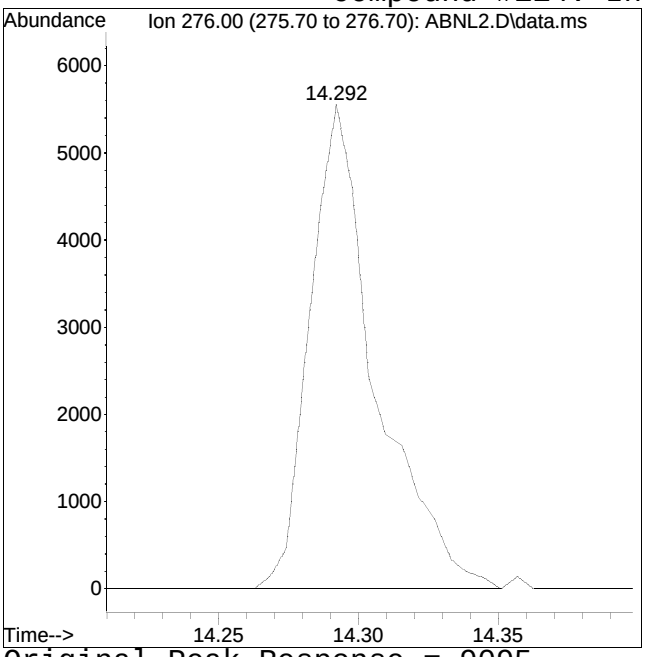
Original Peak Response = 8396 Manual Peak Response = 7521 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

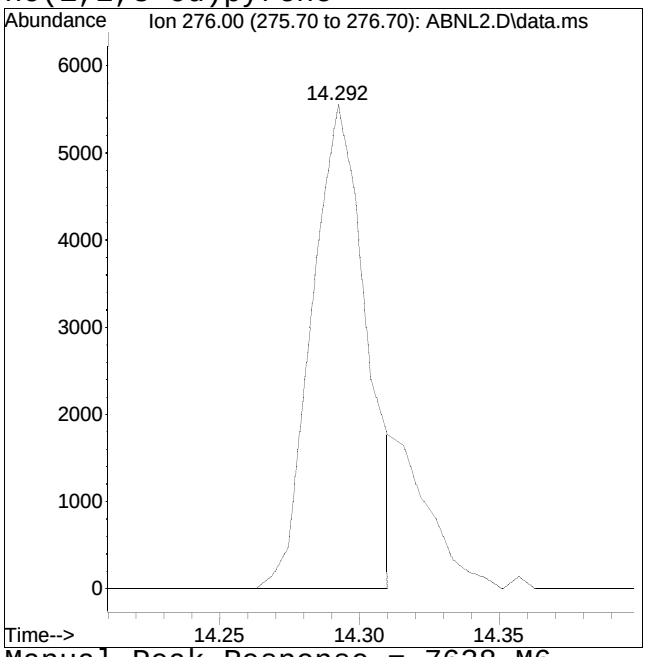
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 9095



Manual Peak Response = 7638 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL1.D
Acq On : 25 Jun 2024 11:23 pm
Operator : SV112:mrg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939943
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 14:00:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	20493	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 96.37%		
35) IS1_Naphthalene-d8	6.040	136	75511	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 92.42%		
63) IS1_Acenaphthene-d10	7.746	164	45957	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 93.43%		
88) IS1_Phenanthrene-d10	9.175	188	105241	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 101.33%		
104) IS1_Chrysene-d12	11.822	240	110283	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 99.15%		
113) IS1_Perylene-d12	13.298	264	126398	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 96.20%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	534	0.099 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.95%#		
7) Phenol-d6	4.481	99	783	0.113 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 5.65%#		
19) Nitrobenzene-d5	5.346	82	699	0.105 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 10.50%#		
46) 2-Fluorobiphenyl	7.104	172	2091	0.122 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 12.20%#		
79) 2,4,6-Tribromophenol	8.510	330	276M2	0.102 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 5.10%#		
96) 4-Terphenyl-d14	10.757	244	3232	0.119 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 11.90%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.181	74	288M2	0.086 ug/ml	
3) Pyridine	2.252	79	392M2	0.073 ug/ml	
5) Aniline	4.487	93	1042	0.112 ug/ml#	61
6) 2-Chlorophenol	4.605	128	741	0.116 ug/ml#	34
8) Phenol	4.493	94	931	0.115 ug/ml#	50
9) Bis(2-chloroethyl)ether	4.563	93	728	0.122 ug/ml#	17
10) 1,3-Dichlorobenzene	4.752	146	935	0.121 ug/ml#	71
11) 1,4-Dichlorobenzene	4.822	146	985	0.122 ug/ml#	83
12) 1,2-Dichlorobenzene	4.969	146	894	0.118 ug/ml#	68
13) Benzyl alcohol	4.957	79	437M4	0.090 ug/ml	

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL1.D
Acq On : 25 Jun 2024 11:23 pm
Operator : SV112:mrg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939943
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 14:00:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14) Bis(2-chloroisopropyl)...	5.093	45	790	0.105	ug/ml#	62
15) 2-Methylphenol	5.081	108	547	0.101	ug/ml#	15
16) Hexachloroethane	5.299	117	310M2	0.109	ug/ml	
17) n-Nitrosodi-n-propylamine	5.222	70	439M2	0.099	ug/ml	
18) 3-Methylphenol/4-Methy...	5.234	108	568	0.096	ug/ml#	93
20) Nitrobenzene	5.363	77	704	0.107	ug/ml#	38
21) Isophorone	5.604	82	1294	0.108	ug/ml#	67
22) 2-Nitrophenol	5.675	139	293M2	0.100	ug/ml	
23) 2,4-Dimethylphenol	5.746	107	538	0.095	ug/ml#	63
24) Bis(2-chloroethoxy)met...	5.834	93	899	0.112	ug/ml#	50
25) 2,4-Dichlorophenol	5.916	162	615	0.104	ug/ml#	25
26) 1,2,4-Trichlorobenzene	5.993	180	933	0.125	ug/ml#	80
36) Naphthalene	6.057	128	2390	0.121	ug/ml#	50
37) Benzoic Acid	5.722		0	N.D.		
38) 4-Chloroaniline	6.128	65	151M2	0.068	ug/ml	
39) Hexachlorobutadiene	6.210	225	534	0.115	ug/ml#	19
40) p-Chloro-m-cresol	6.616	107	494M2	0.095	ug/ml	
41) 2-Methylnaphthalene	6.740	142	1597	0.119	ug/ml	96
42) 1-Methylnaphthalene	6.834	115	597	0.129	ug/ml	85
43) Hexachlorocyclopentadiene	6.910	237	462M2	0.098	ug/ml	
44) 2,4,6-Trichlorophenol	7.022	196	484M2	0.100	ug/ml	
45) 2,4,5-Trichlorophenol	7.051	196	457M2	0.092	ug/ml	
47) 2-Chloronaphthalene	7.204	162	1787	0.125	ug/ml#	87
48) 2-Nitroaniline	7.310	138	357M2	0.094	ug/ml	
49) 1,4-Dinitrobenzene	7.440	168	156M2	0.084	ug/ml	
50) 1,3-Dinitrobenzene	7.516	168	177M2	0.082	ug/ml	
51) Dimethyl phthalate	7.510	163	2152	0.124	ug/ml#	77
52) Acenaphthylene	7.604	152	2412	0.114	ug/ml#	61
53) 2,6-Dinitrotoluene	7.551	165	326M3	0.100	ug/ml	
54) 1,2-Dinitrobenzene	7.599	168	55M3	0.044	ug/ml	
64) 3-Nitroaniline	7.710	138	290M2	0.084	ug/ml	
65) Acenaphthene	7.775	154	1510	0.118	ug/ml	98
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.946	168	2540	0.120	ug/ml	93
68) 2,4-Dinitrotoluene	7.940	165	366M3	0.083	ug/ml	
69) 4-Nitrophenol	7.310	65	364M2	0.109	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	8.034	232	401M2	0.093	ug/ml	
71) 2,3,4,6-Tetrachlorophenol	8.075	232	376M2	0.088	ug/ml	
72) Diethyl phthalate	8.198	149	2066	0.121	ug/ml#	62
73) Fluorene	8.275	166	1978	0.120	ug/ml#	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL1.D
Acq On : 25 Jun 2024 11:23 pm
Operator : SV112:mrg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939943
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 14:00:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	8.293	204	1099	0.123	ug/ml#	63
75) 4-Nitroaniline	8.293	138	279M2	0.077	ug/ml	
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
77) NDPA/DPA	8.404	169	1660	0.117	ug/ml	95
78) Azobenzene	8.440	77	1751	0.117	ug/ml#	55
80) 4-Bromophenyl phenyl e...	8.763	248	734	0.128	ug/ml#	52
81) Hexachlorobenzene	8.816	284	1010	0.140	ug/ml#	35
82) Pentachlorophenol	9.010	266	133M2	0.041	ug/ml	
89) Phenanthrene	9.198	178	3473	0.125	ug/ml	98
90) Anthracene	9.245	178	3305M3	0.121	ug/ml	
91) Carbazole	9.416	167	2768	0.111	ug/ml#	87
92) Di-n-butylphthalate	9.798	149	2918	0.107	ug/ml#	78
93) Fluoranthene	10.357	202	3944	0.122	ug/ml#	84
94) Benzidine	10.504	184	1677	0.094	ug/ml#	68
95) Pyrene	10.575	202	4212	0.123	ug/ml	97
97) Butyl benzyl phthalate	11.281	149	1280	0.106	ug/ml#	87
105) Benzo(a)anthracene	11.810	228	4414	0.125	ug/ml	95
106) 3,3'-Dichlorobenzidine	11.810	252	1334	0.103	ug/ml#	82
107) Chrysene	11.845	228	4617	0.133	ug/ml	95
108) Bis(2-ethylhexyl)phtha...	11.916	149	1709	0.097	ug/ml#	56
109) Di-n-octylphthalate	12.598	149	2547	0.094	ug/ml#	75
110) Benzo(b)fluoranthene	12.922	252	4361	0.120	ug/ml#	82
111) Benzo(k)fluoranthene	12.951	252	3489M3	0.105	ug/ml	
112) Benzo(a)pyrene	13.239	252	3478M3	0.110	ug/ml	
114) Indeno(1,2,3-cd)pyrene	14.292	276	3767M6	0.107	ug/mL	
115) Dibenzo(a,h)anthracene	14.316	278	3287	0.097	ug/ml#	77
116) Benzo(ghi)perylene	14.557	276	3809	0.112	ug/ml	93

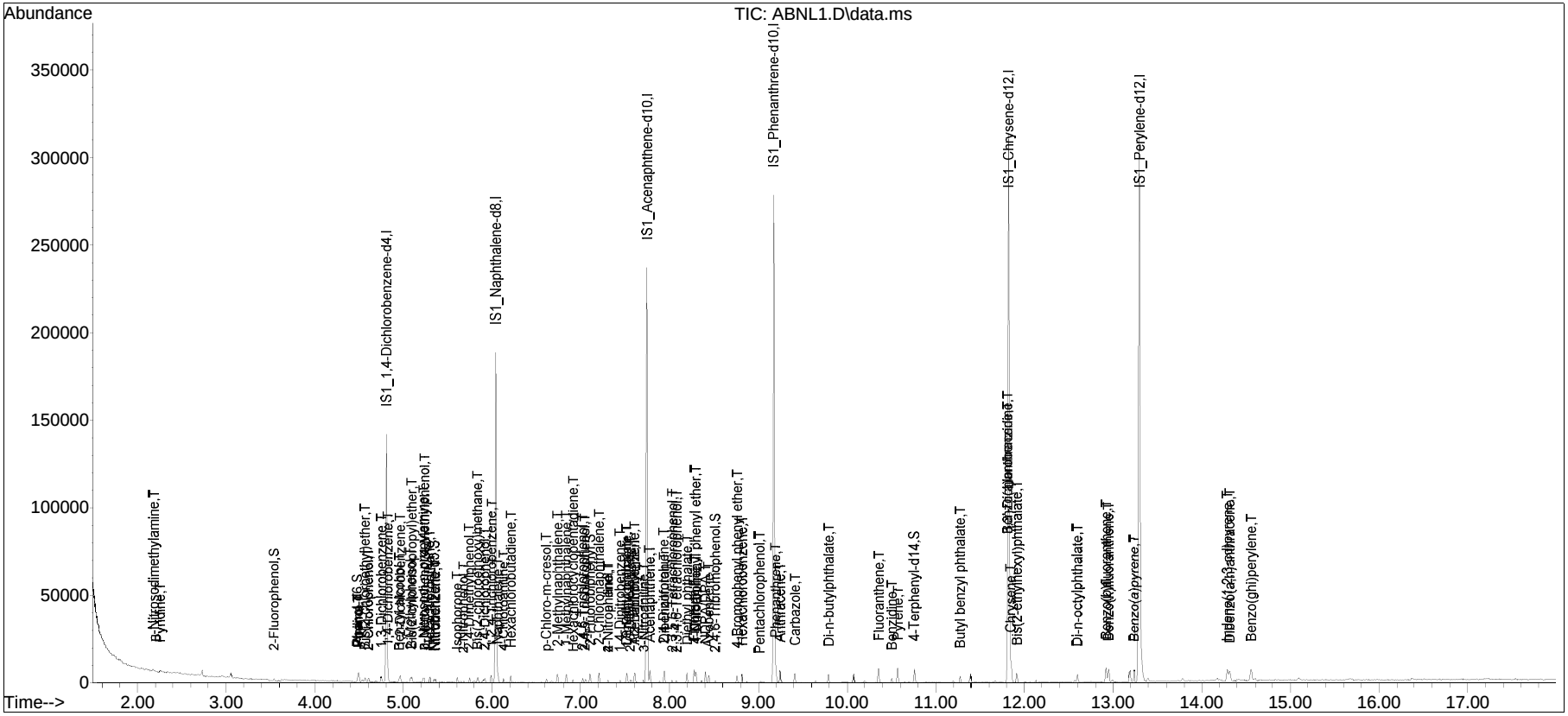
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL1.D
Acq On : 25 Jun 2024 11:23 pm
Operator : SV112:mrg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939943
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 14:00:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

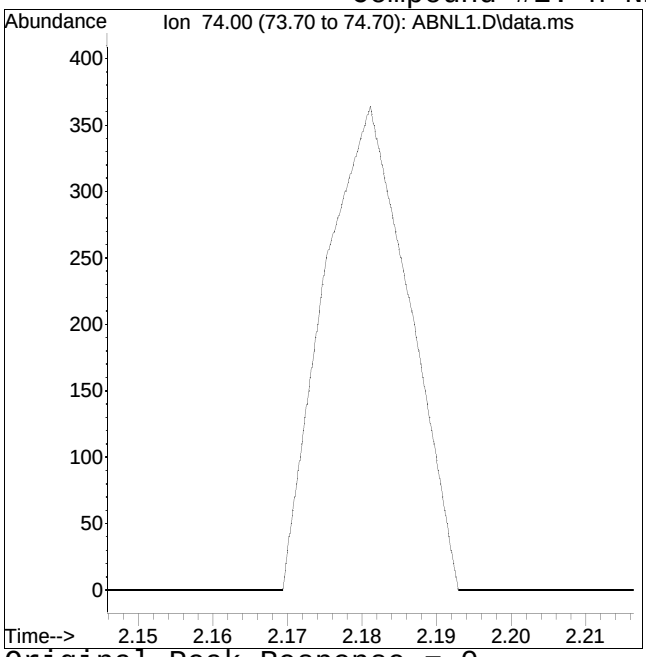
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



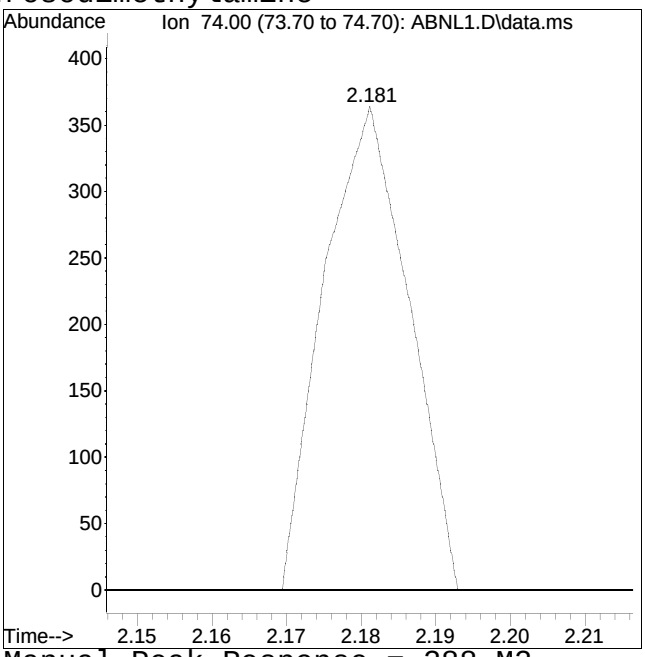
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #2: n-Nitrosodimethylamine



Original Peak Response = 0



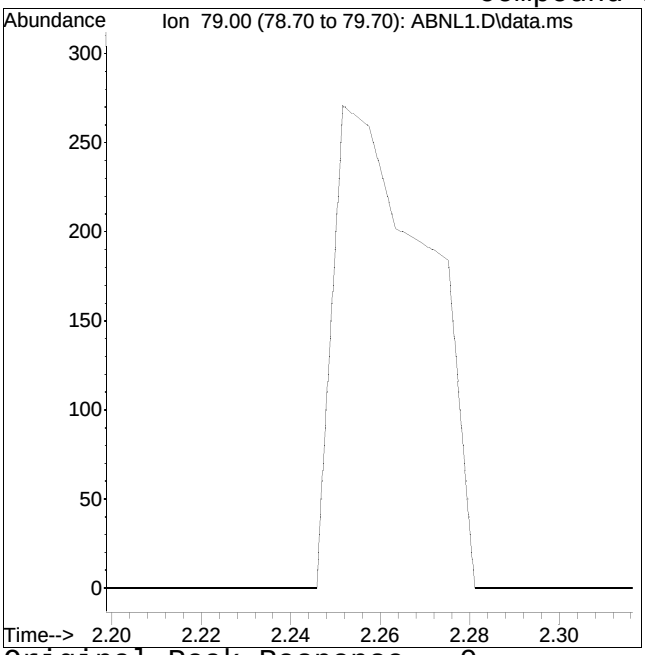
Manual Peak Response = 288 M2

M2 = Peak not found by automatic integration algorithm.

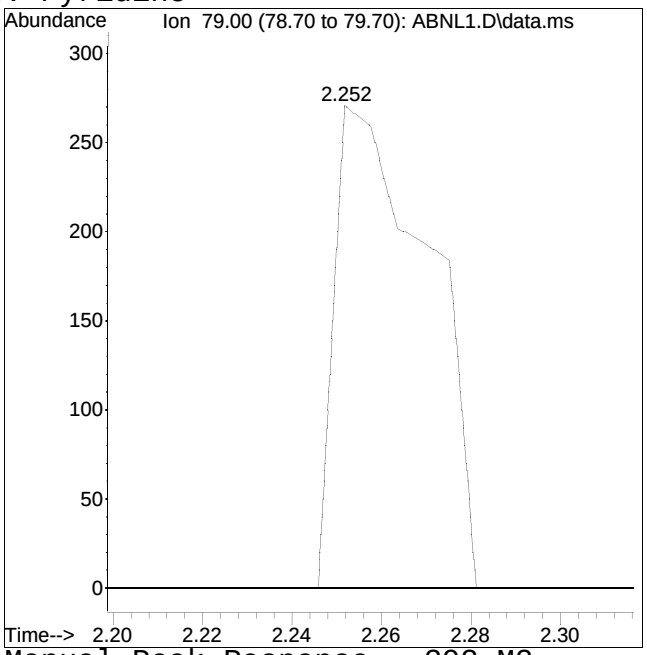
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #3: Pyridine



Original Peak Response = 0



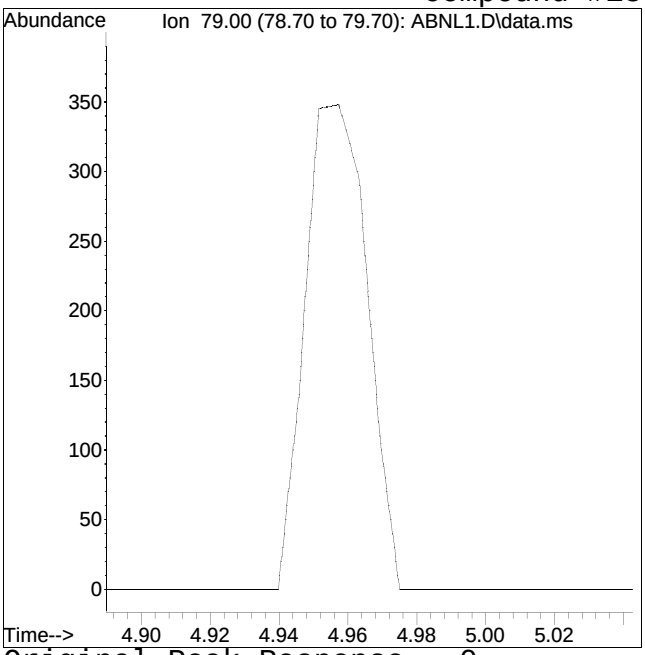
Manual Peak Response = 392 M2

M2 = Peak not found by automatic integration algorithm.

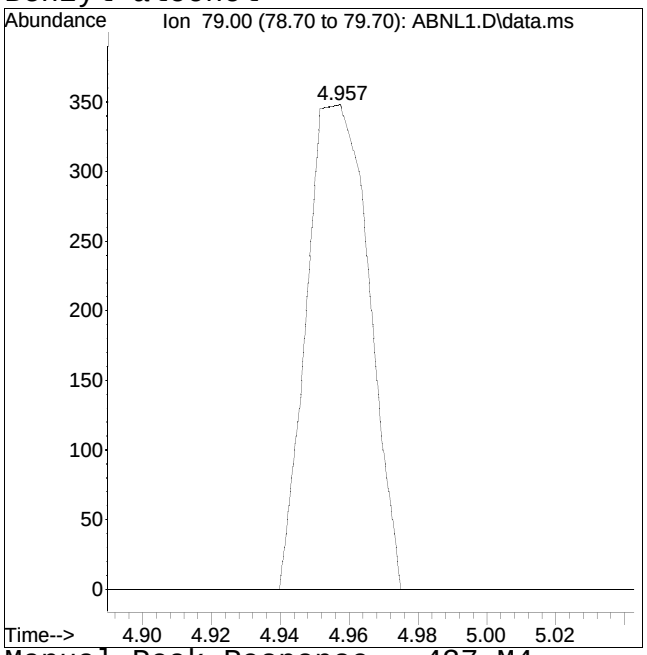
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #13: Benzyl alcohol



Original Peak Response = 0



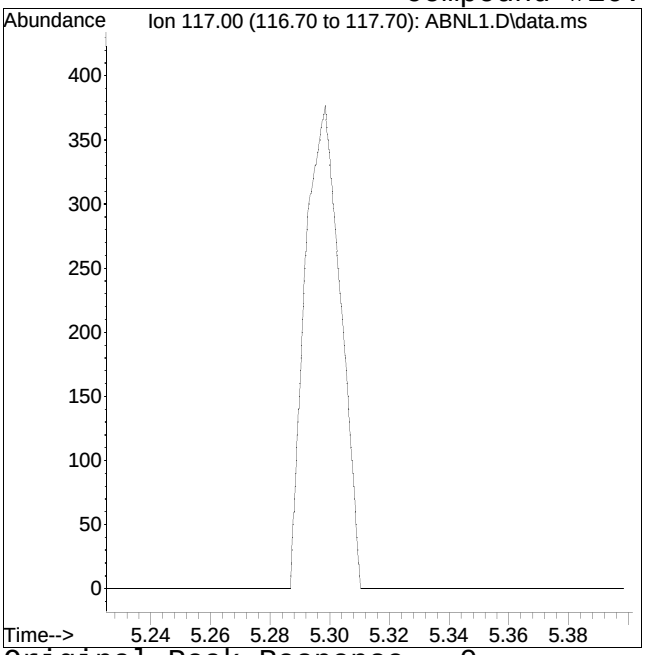
Manual Peak Response = 437 M4

M4 = Poor automated baseline construction.

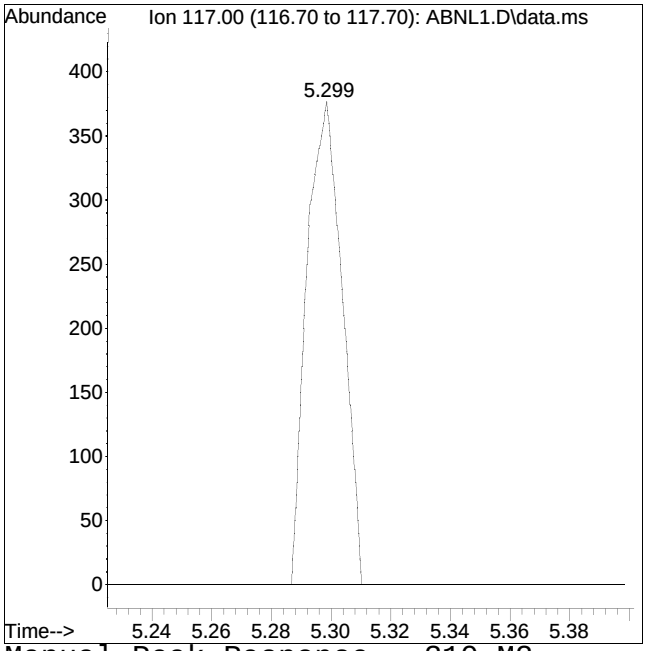
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #16: Hexachloroethane



Original Peak Response = 0



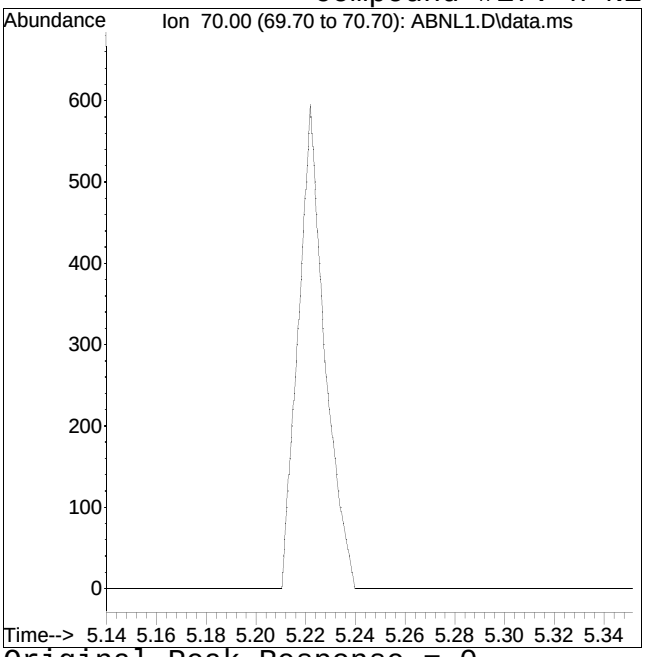
Manual Peak Response = 310 M2

M2 = Peak not found by automatic integration algorithm.

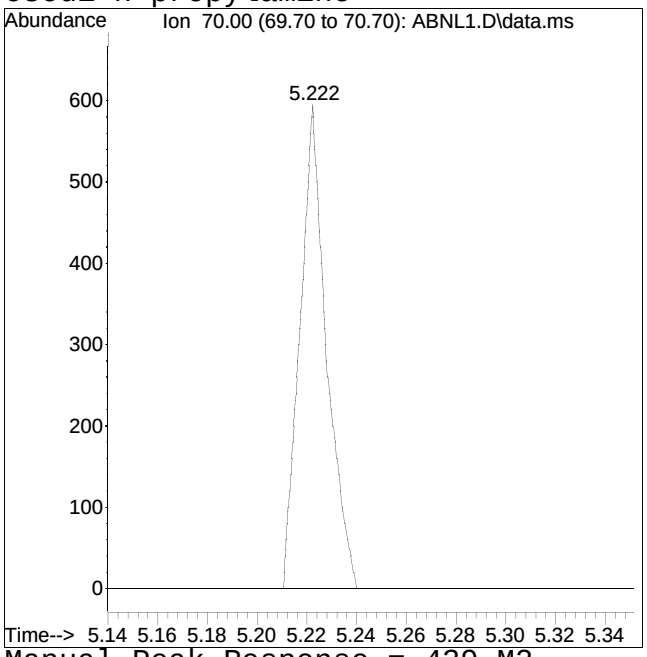
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #17: n-Nitrosodi-n-propylamine



Original Peak Response = 0



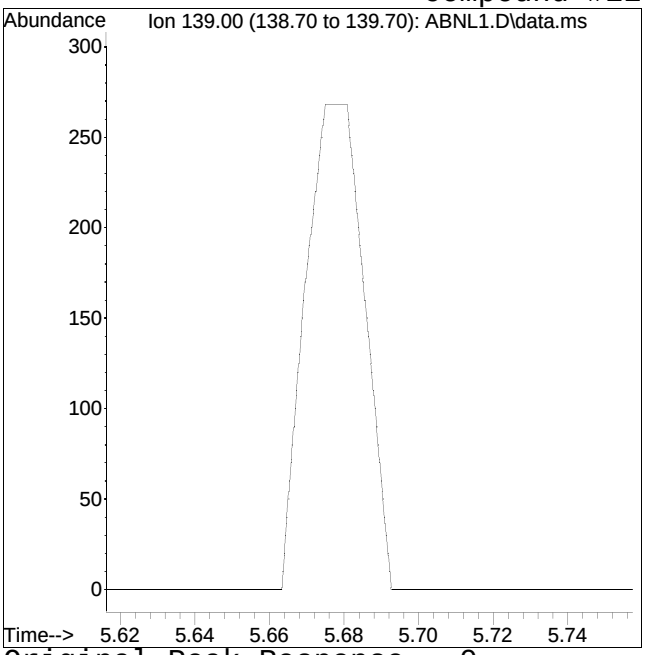
Manual Peak Response = 439 M2

M2 = Peak not found by automatic integration algorithm.

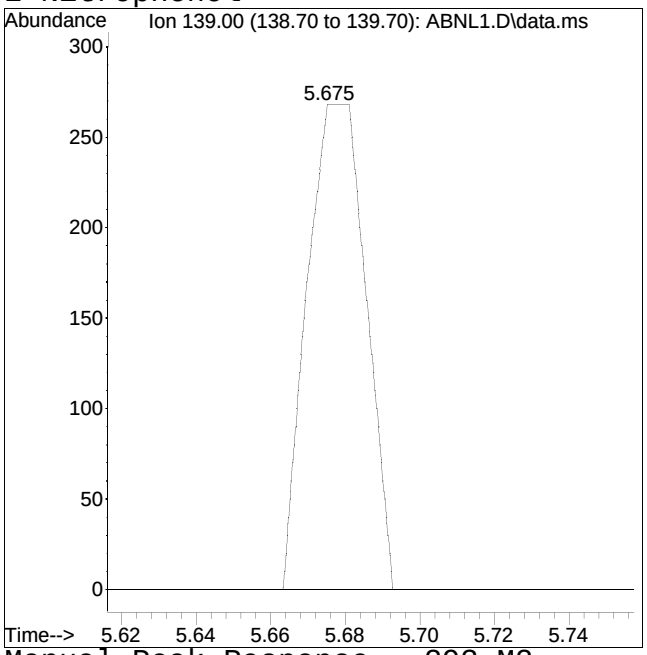
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #22: 2-Nitrophenol



Original Peak Response = 0



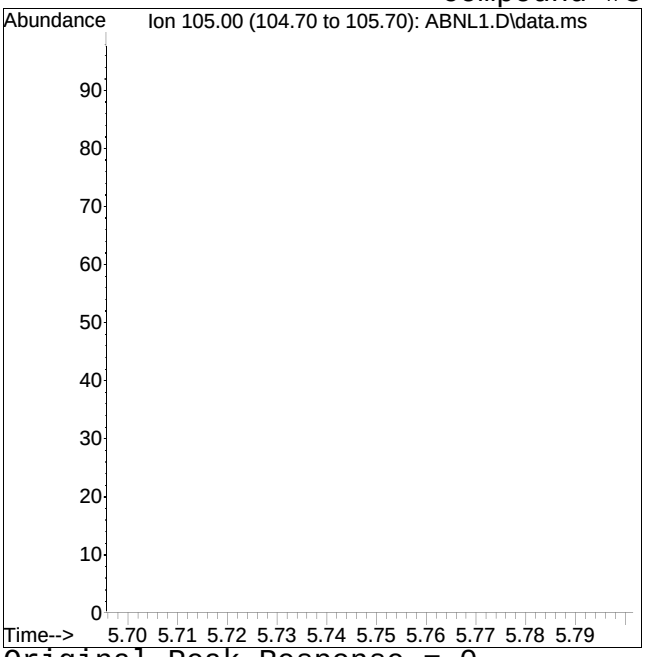
Manual Peak Response = 293 M2

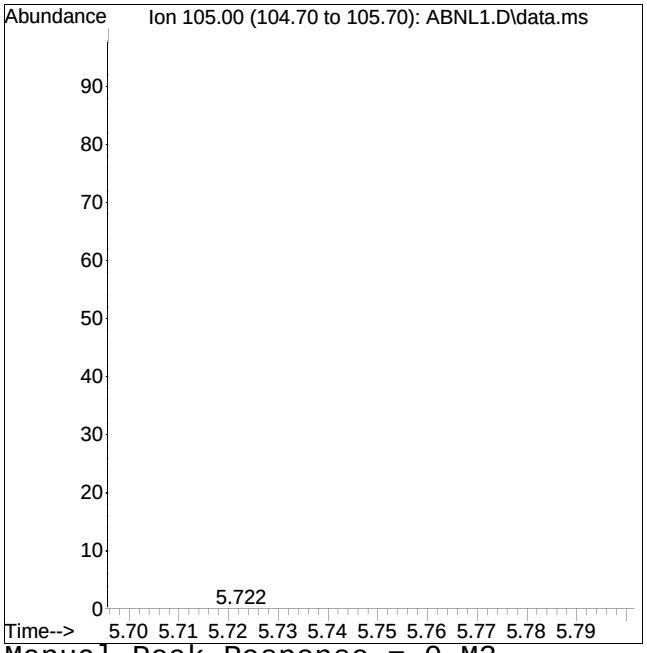
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #37: Benzoic Acid





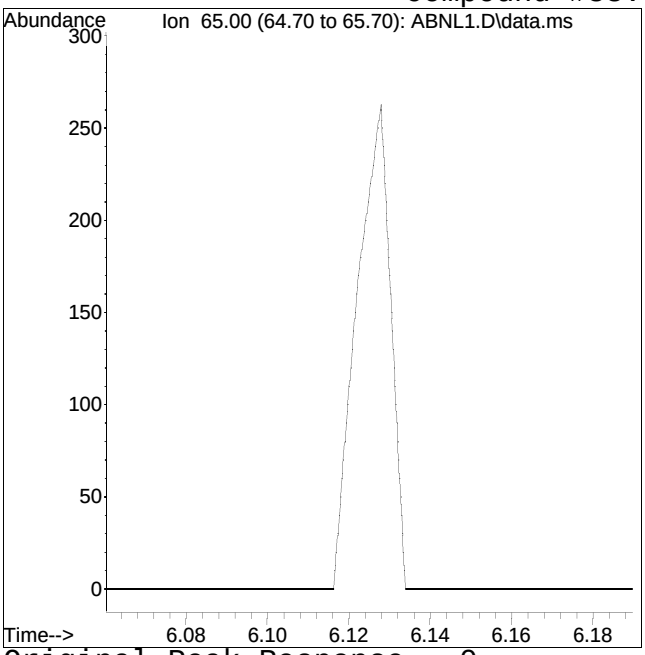
Original Peak Response = 0 Manual Peak Response = 0 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

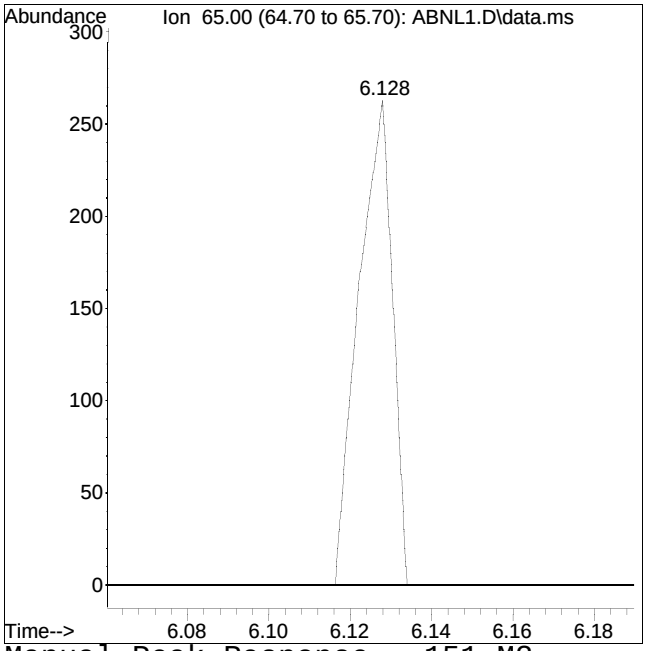
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 0



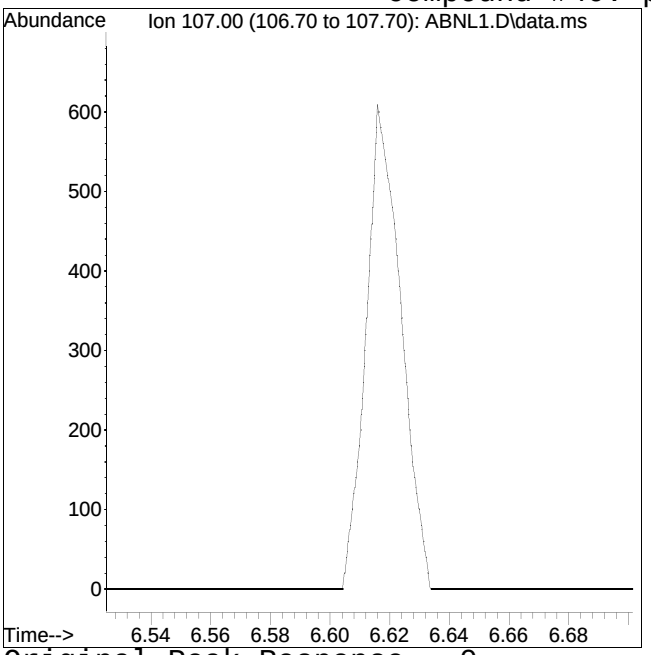
Manual Peak Response = 151 M2

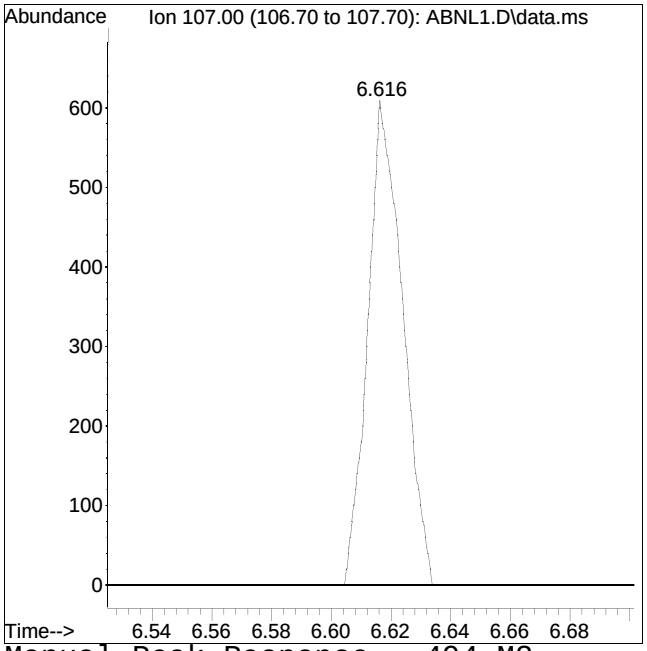
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #40: p-Chloro-m-cresol



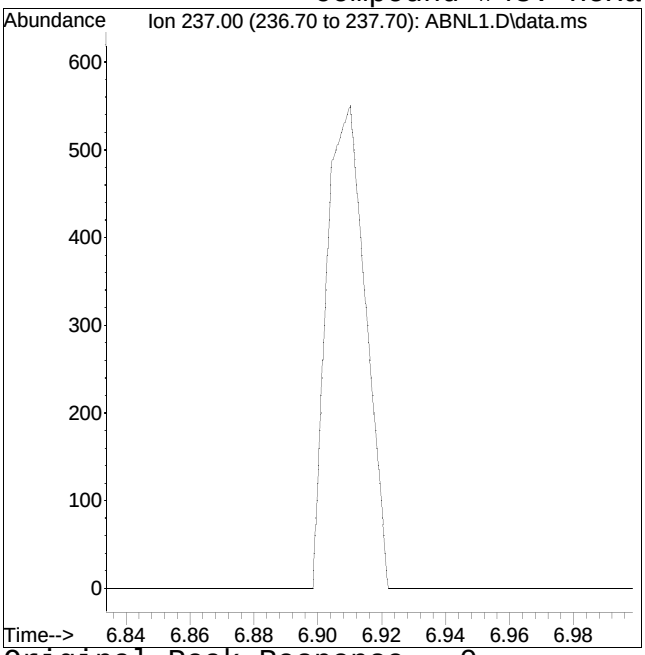


Original Peak Response = 0 Manual Peak Response = 494 M2
M2 = Peak not found by automatic integration algorithm.

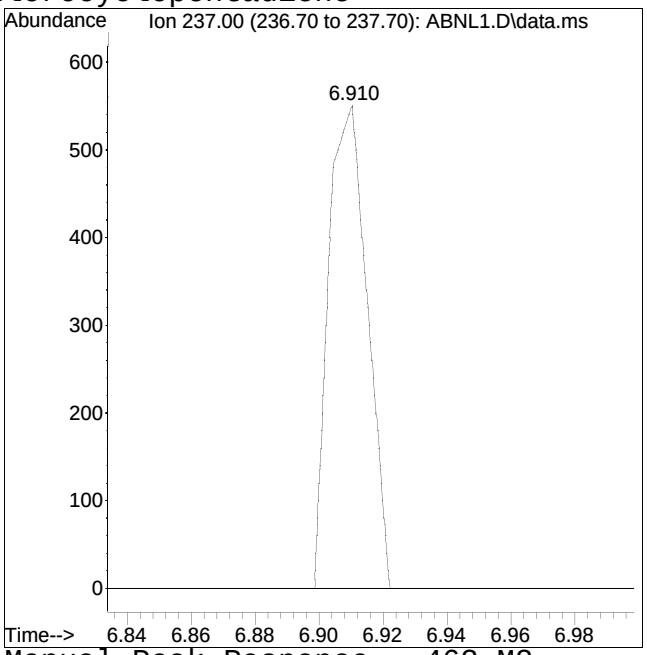
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #43: Hexachlorocyclopentadiene



Original Peak Response = 0



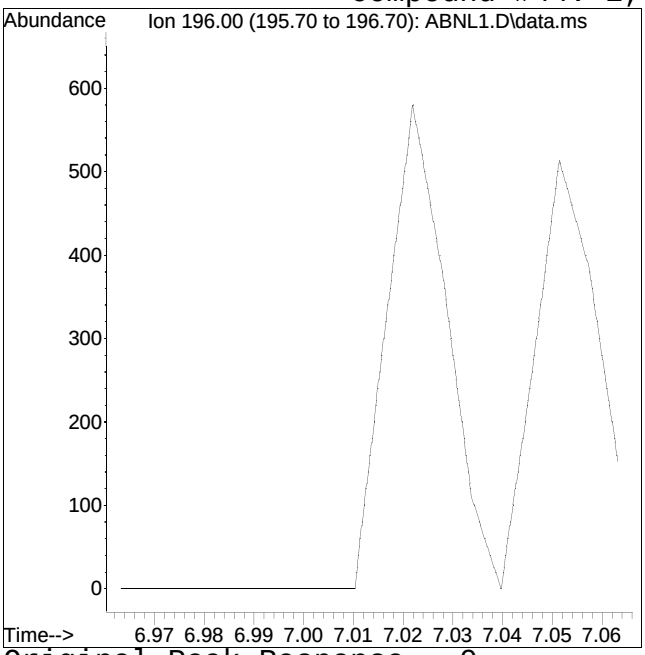
Manual Peak Response = 462 M2

M2 = Peak not found by automatic integration algorithm.

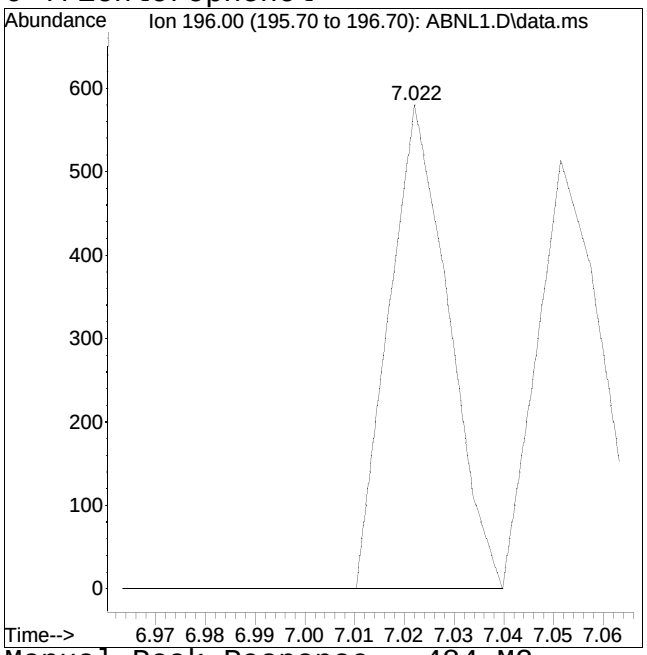
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #44: 2,4,6-Trichlorophenol



Original Peak Response = 0



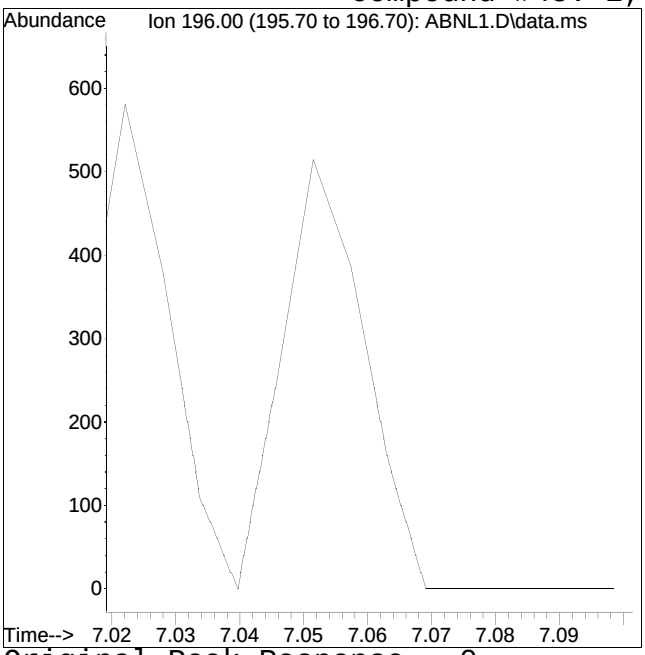
Manual Peak Response = 484 M2

M2 = Peak not found by automatic integration algorithm.

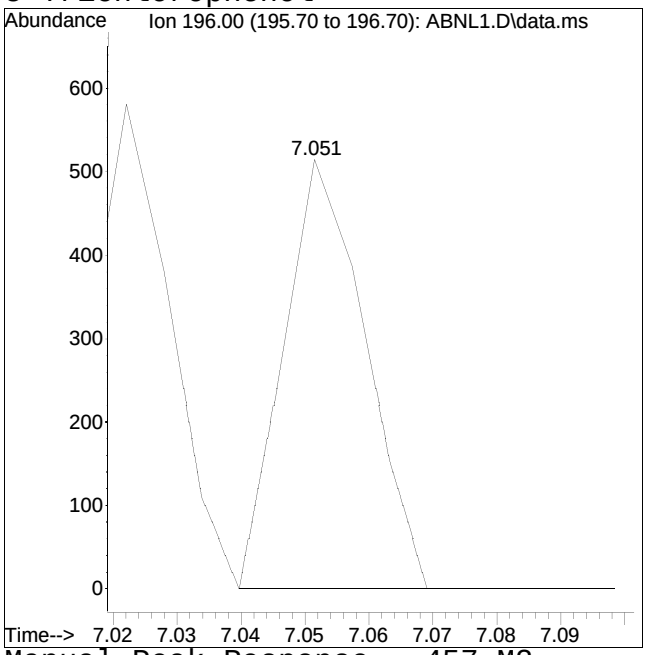
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 0



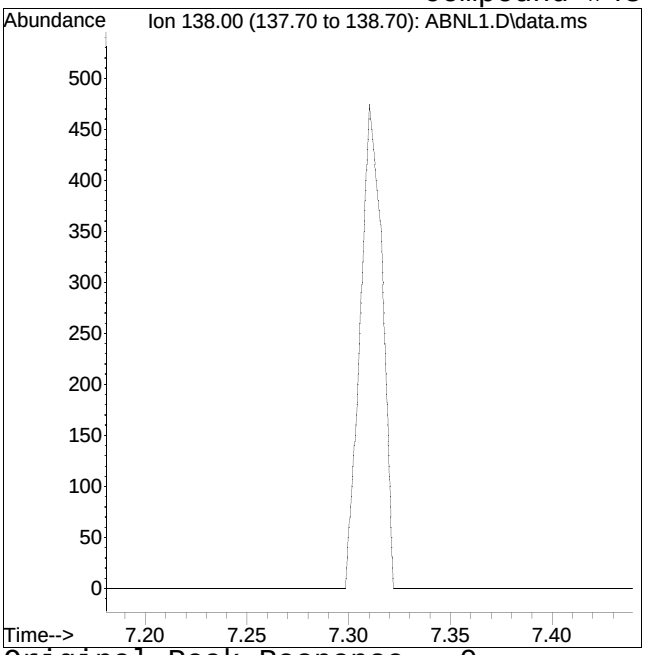
Manual Peak Response = 457 M2

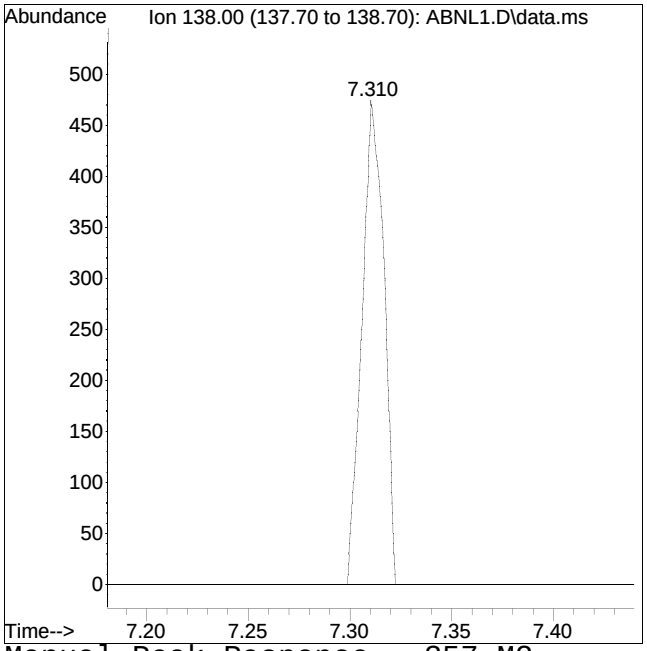
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #48: 2-Nitroaniline



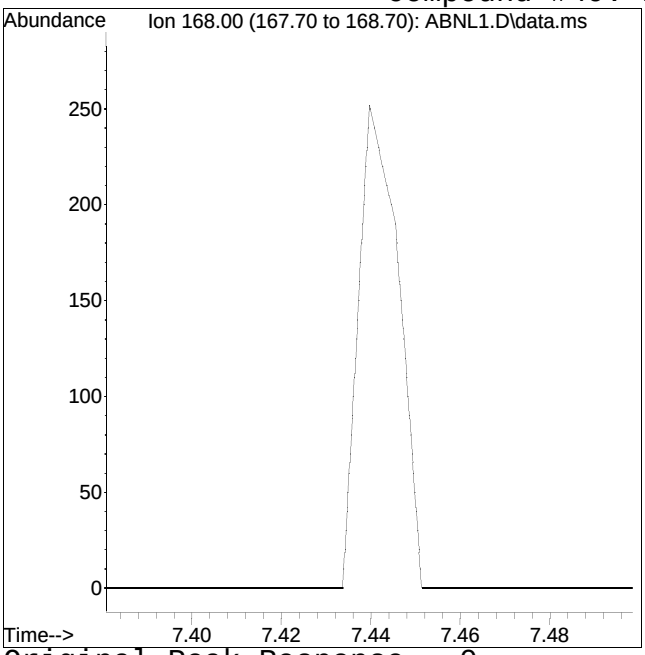


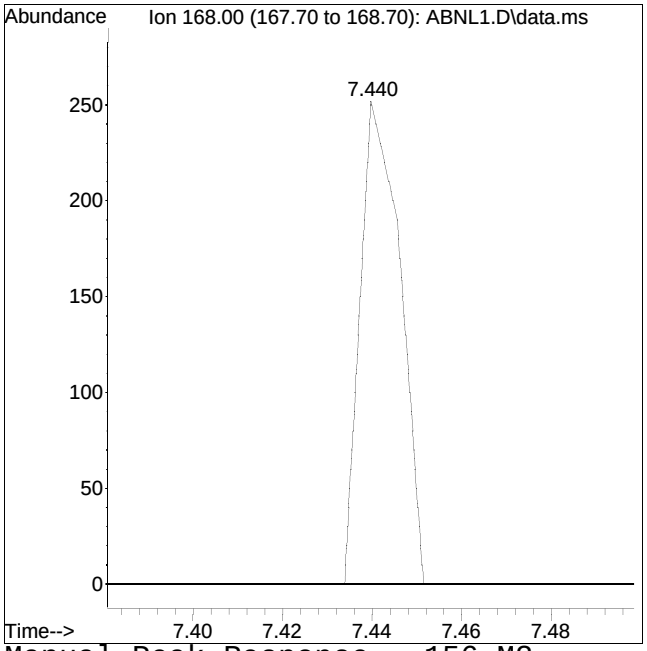
Original Peak Response = 0 Manual Peak Response = 357 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #49: 1,4-Dinitrobenzene



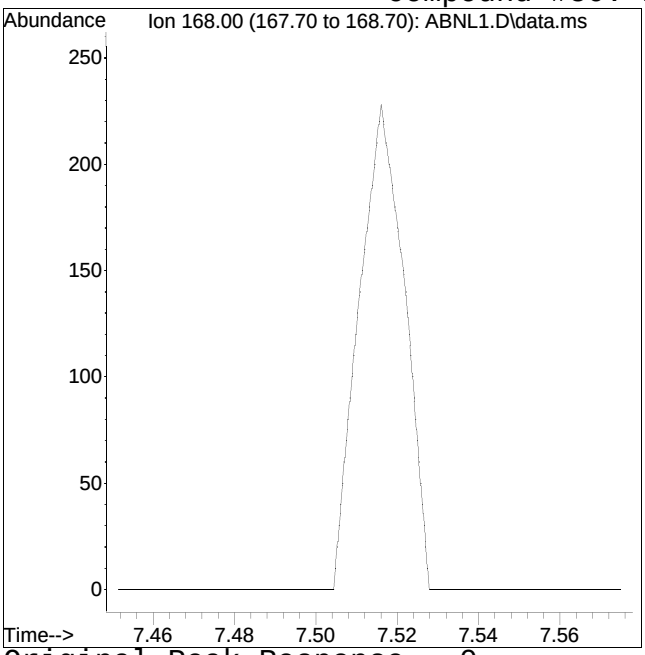


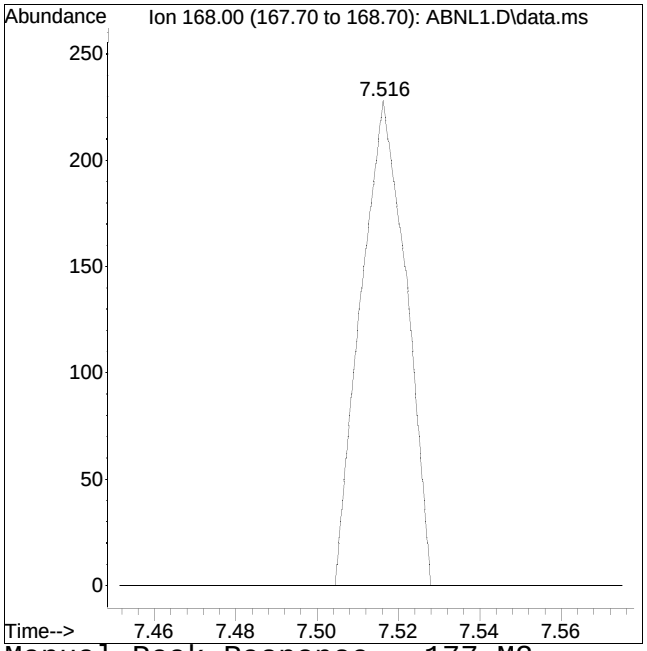
Original Peak Response = 0 Manual Peak Response = 156 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #50: 1,3-Dinitrobenzene



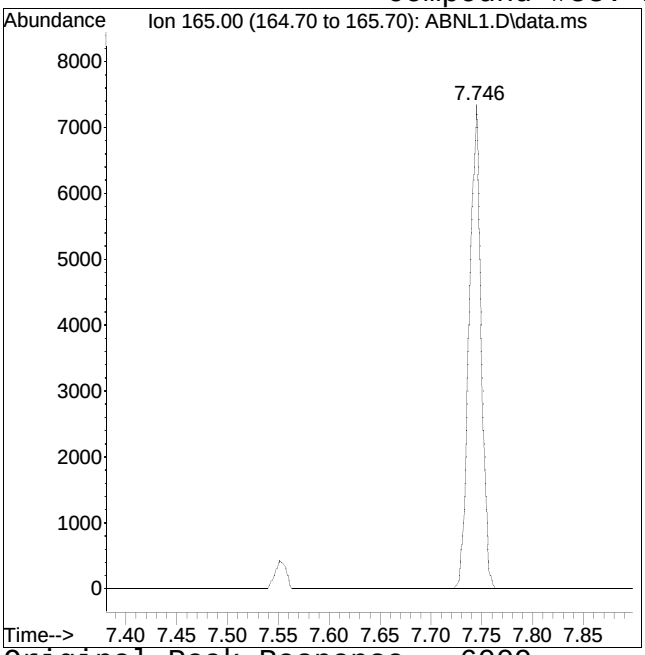


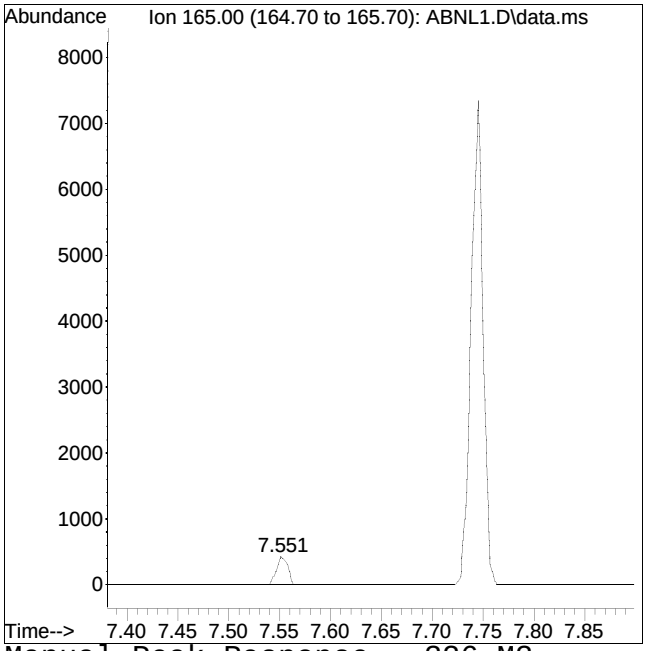
Original Peak Response = 0 Manual Peak Response = 177 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #53: 2,6-Dinitrotoluene





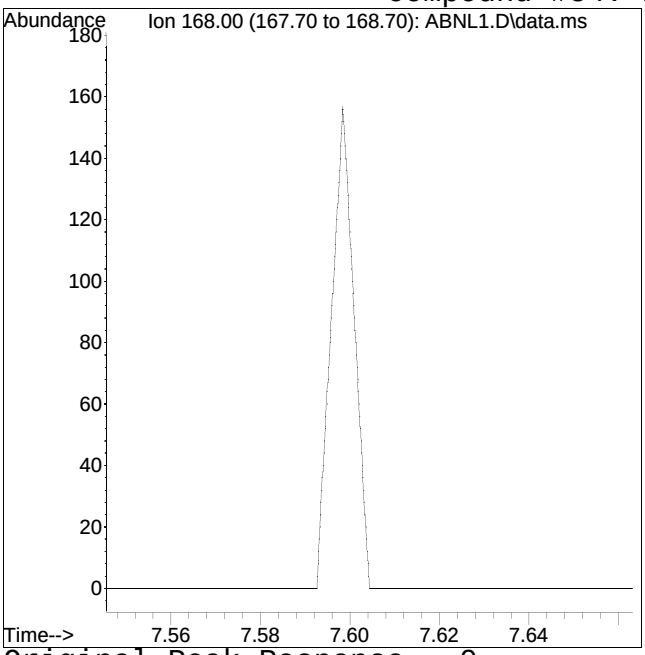
Original Peak Response = 6009 Manual Peak Response = 326 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

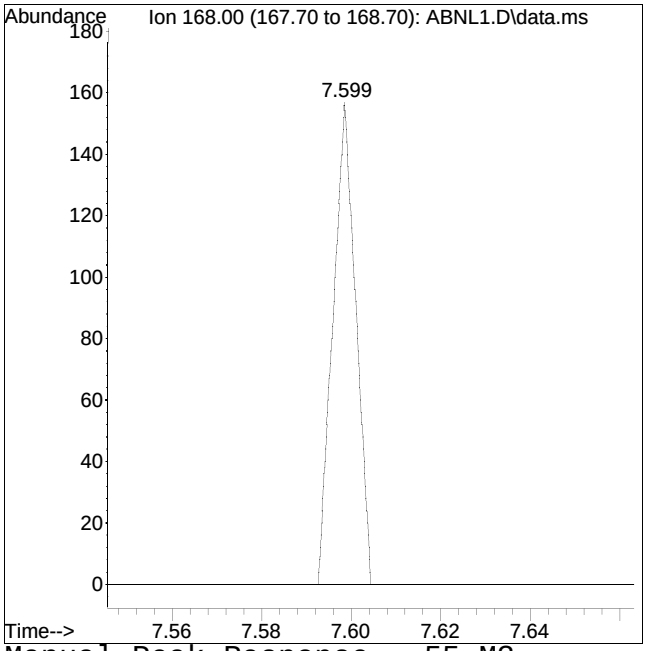
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0



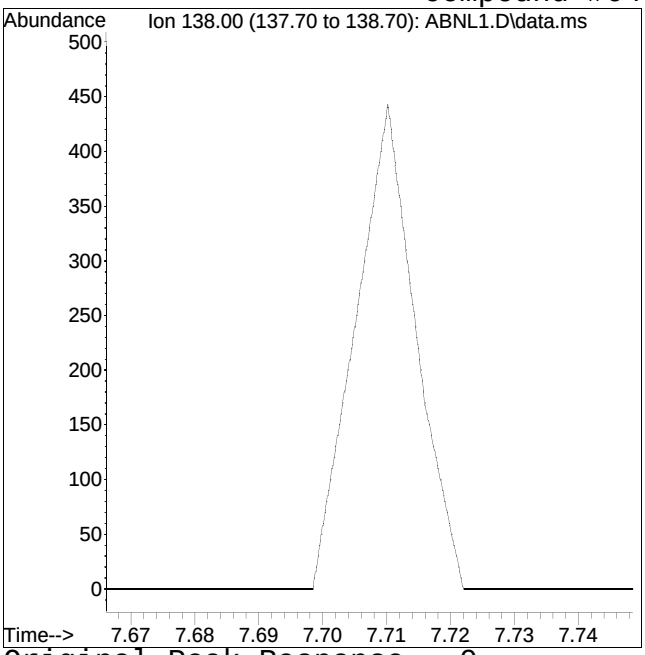
Manual Peak Response = 55 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

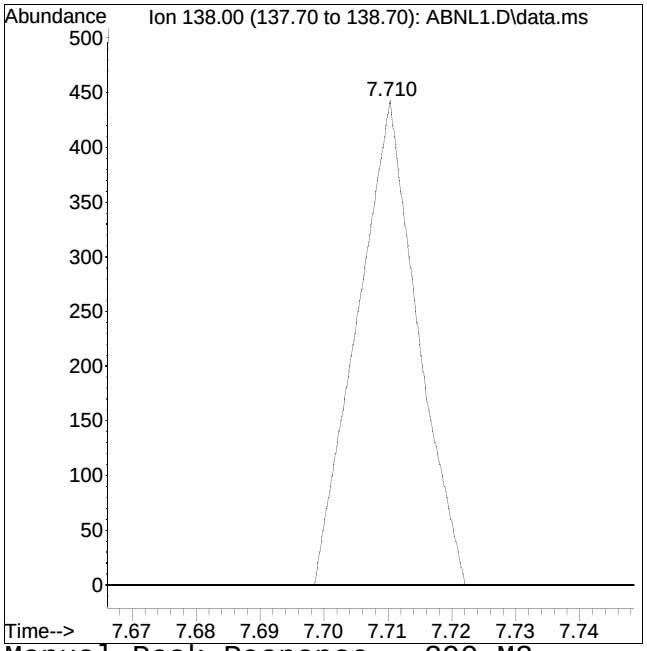
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #64: 3-Nitroaniline



Original Peak Response = 0



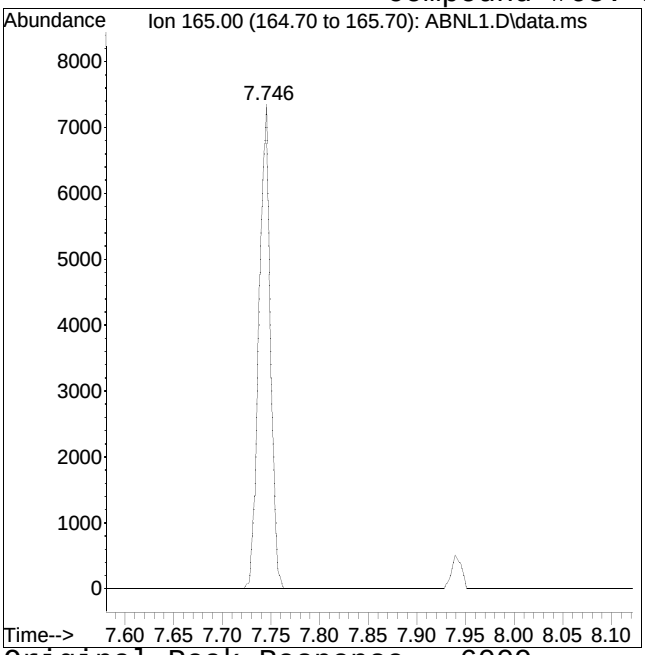
Manual Peak Response = 290 M2

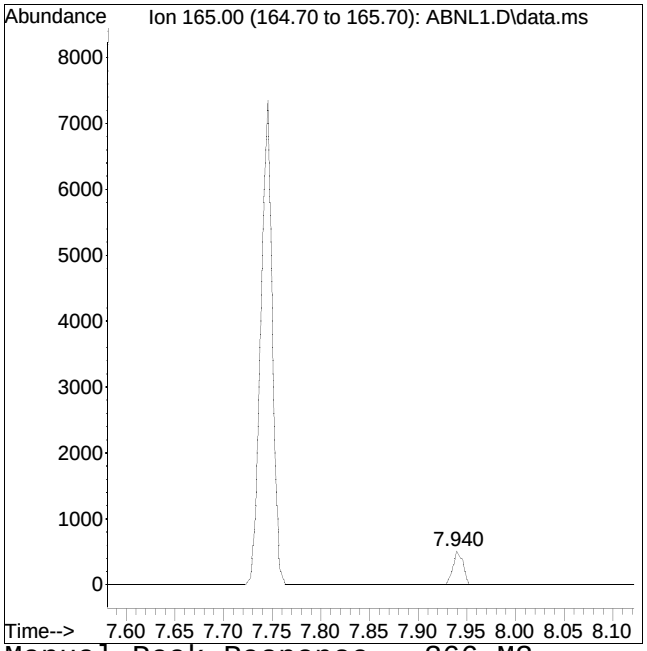
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #68: 2,4-Dinitrotoluene





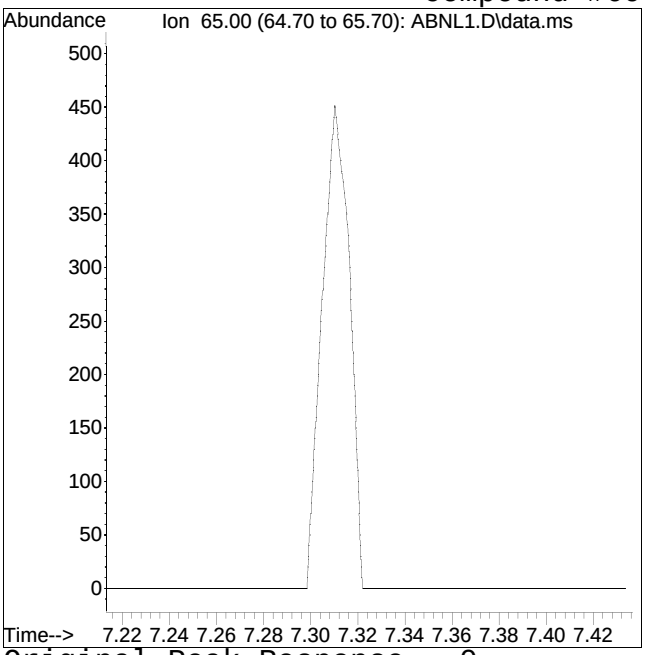
Original Peak Response = 6009 Manual Peak Response = 366 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

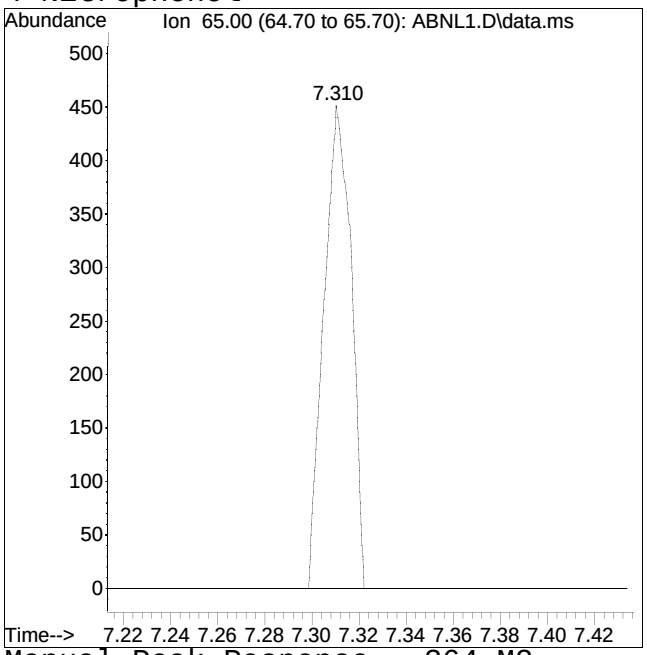
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 0



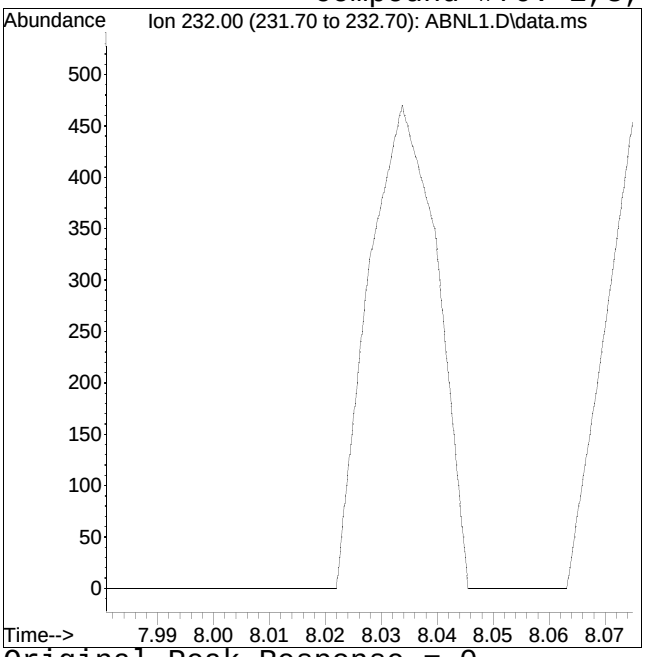
Manual Peak Response = 364 M2

M2 = Peak not found by automatic integration algorithm.

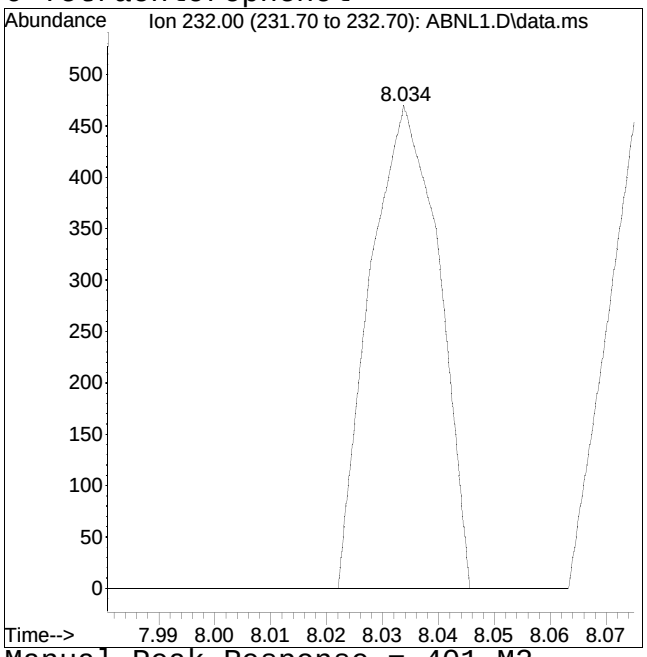
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #70: 2,3,5,6-Tetrachlorophenol



Original Peak Response = 0



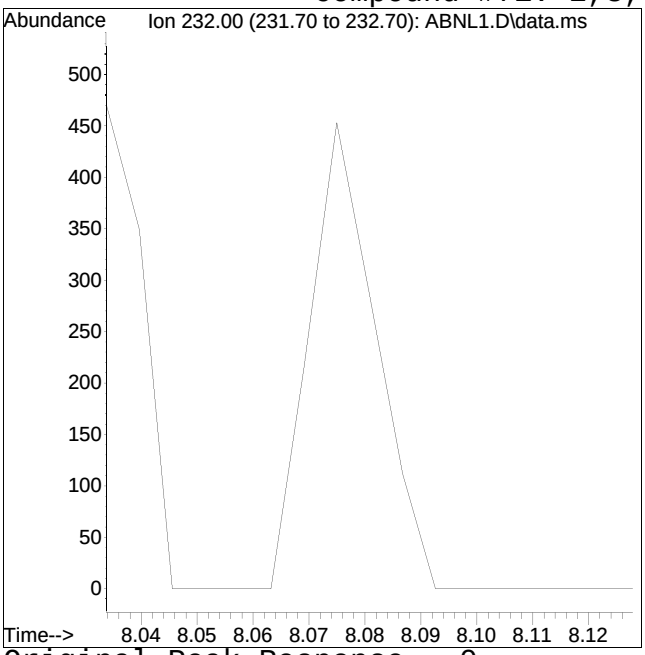
Manual Peak Response = 401 M2

M2 = Peak not found by automatic integration algorithm.

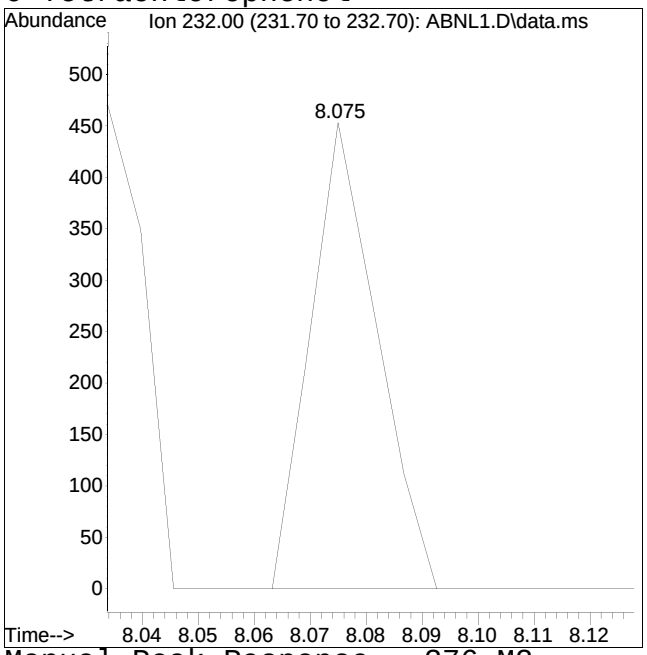
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #71: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 0



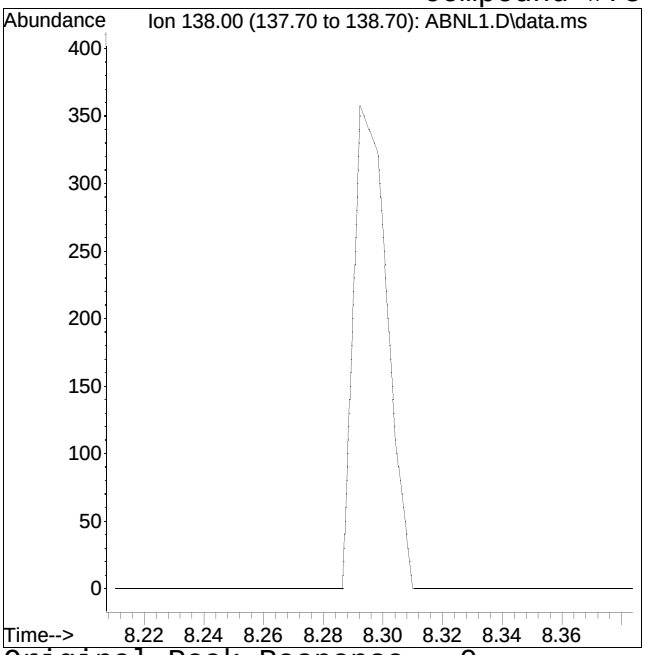
Manual Peak Response = 376 M2

M2 = Peak not found by automatic integration algorithm.

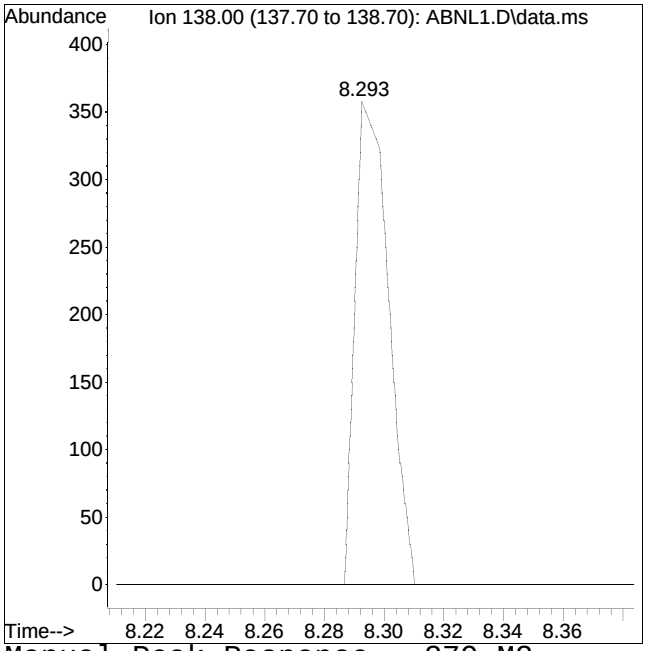
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #75: 4-Nitroaniline



Original Peak Response = 0



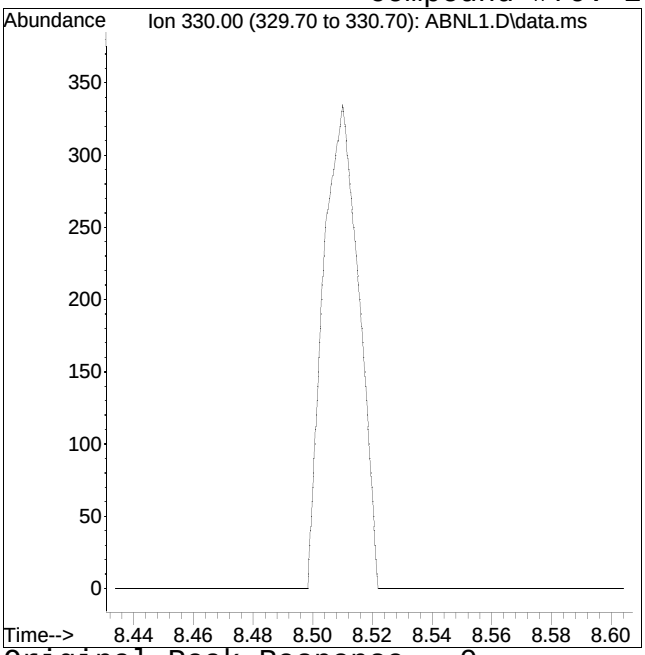
Manual Peak Response = 279 M2

M2 = Peak not found by automatic integration algorithm.

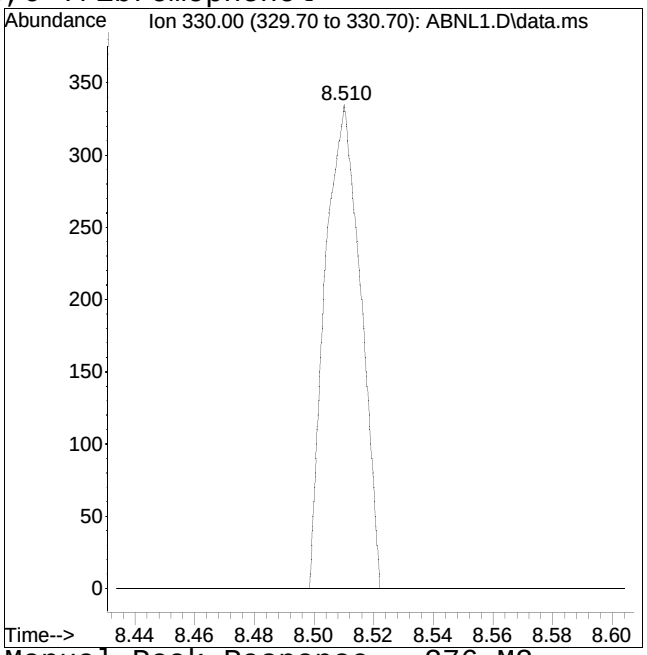
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0



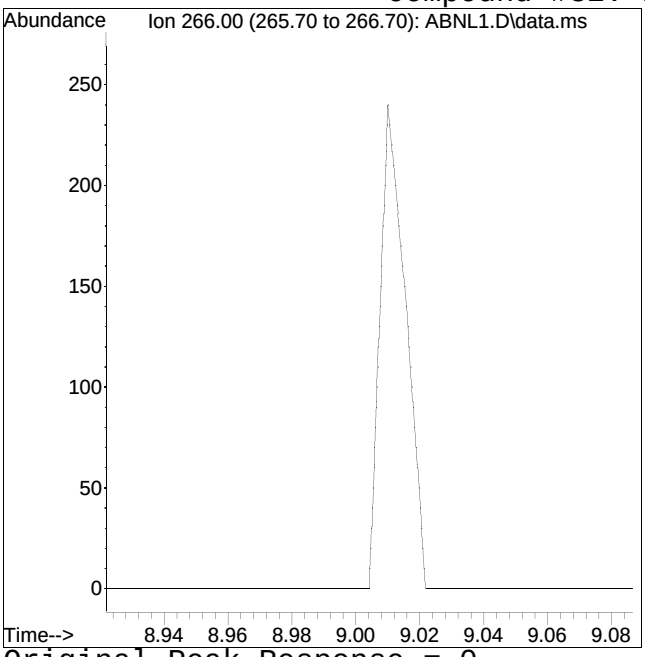
Manual Peak Response = 276 M2

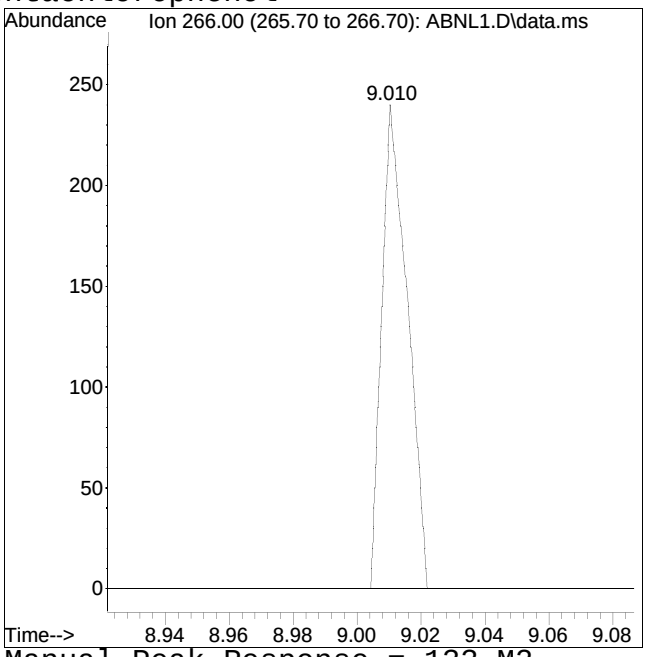
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #82: Pentachlorophenol



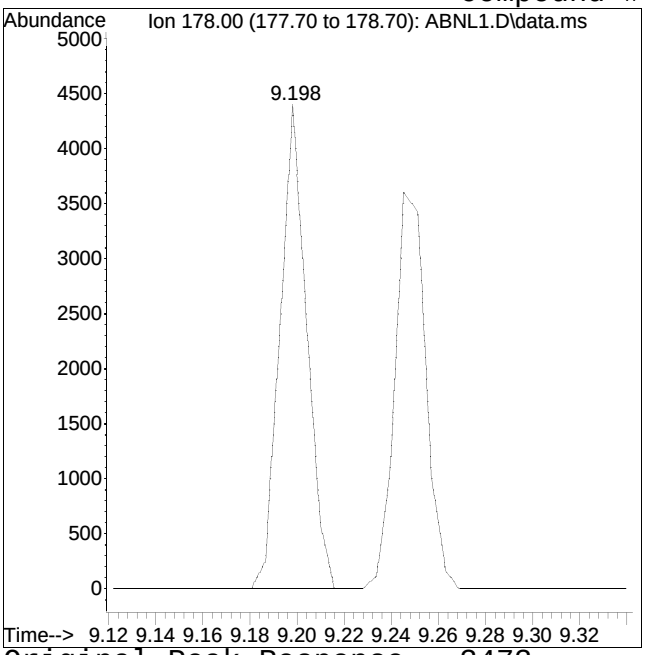


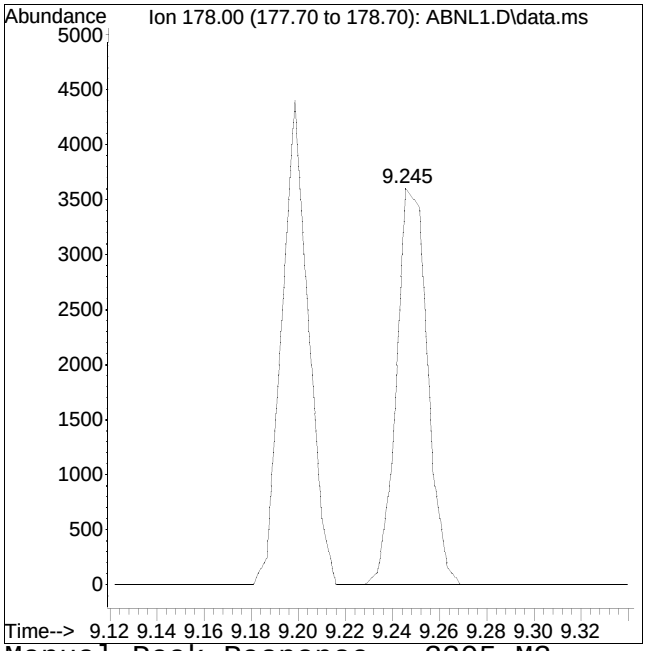
Original Peak Response = 0 Manual Peak Response = 133 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #90: Anthracene





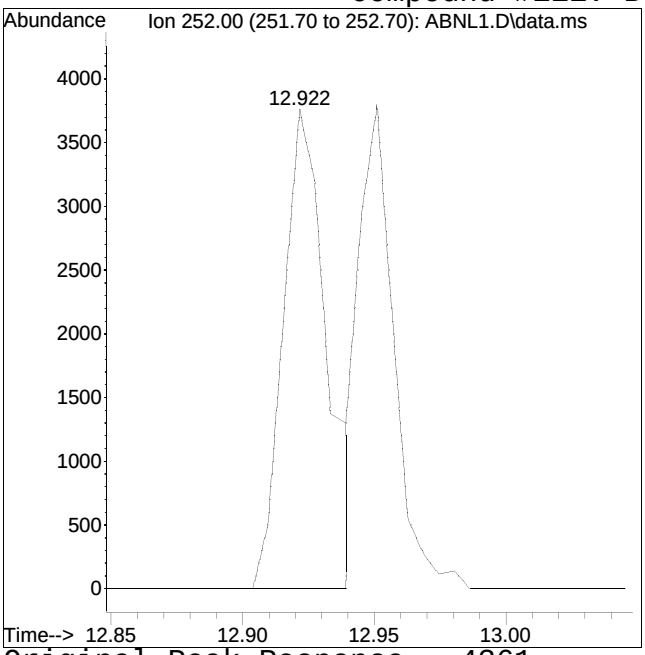
Original Peak Response = 3473 Manual Peak Response = 3305 M3

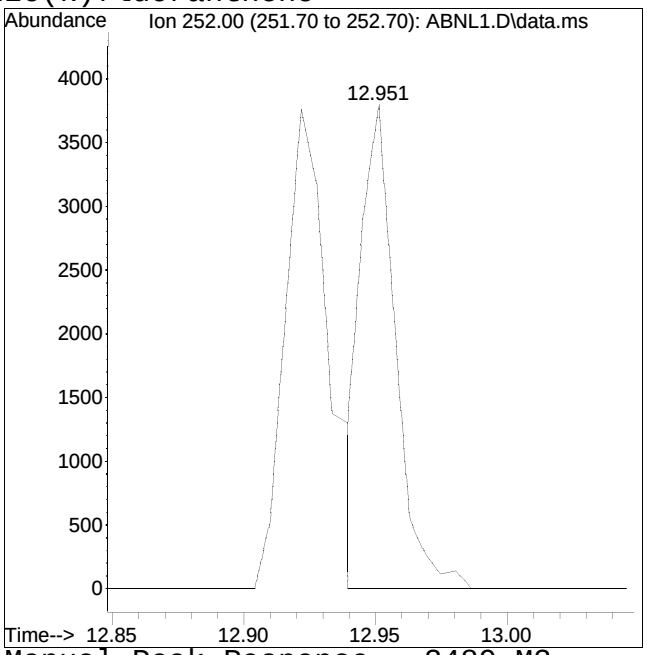
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #111: Benzo(k)fluoranthene



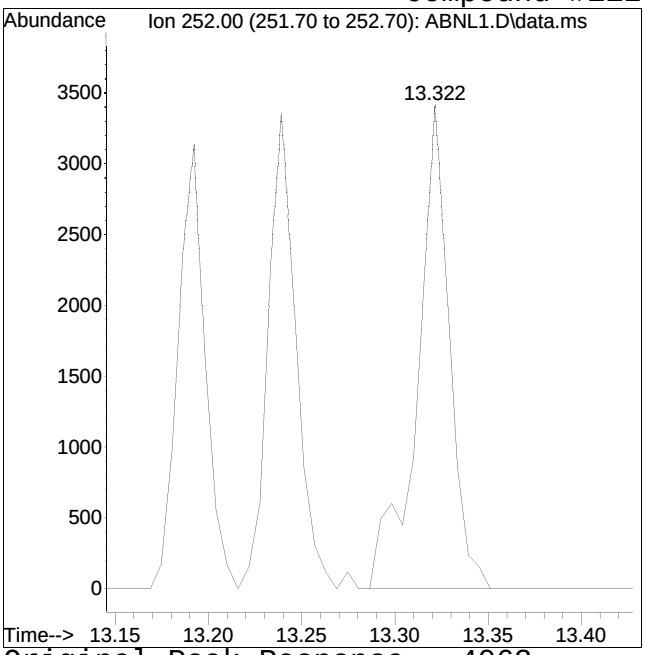


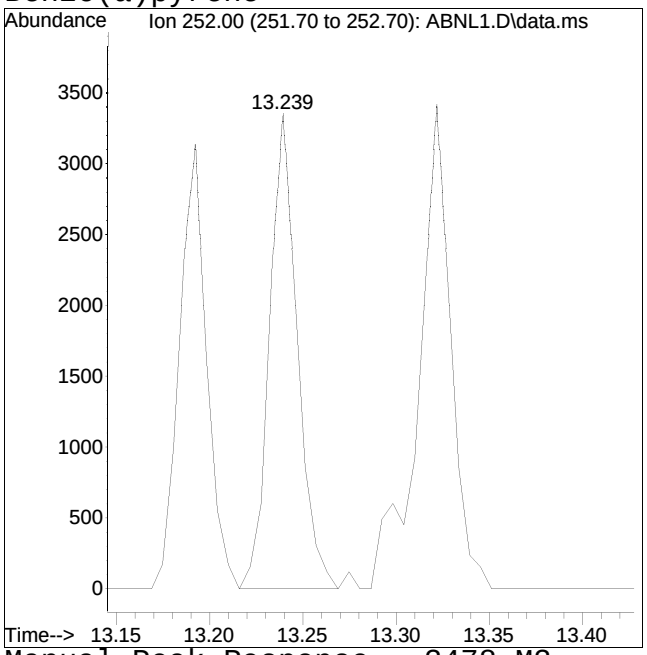
Original Peak Response = 4361 Manual Peak Response = 3489 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #112: Benzo(a)pyrene





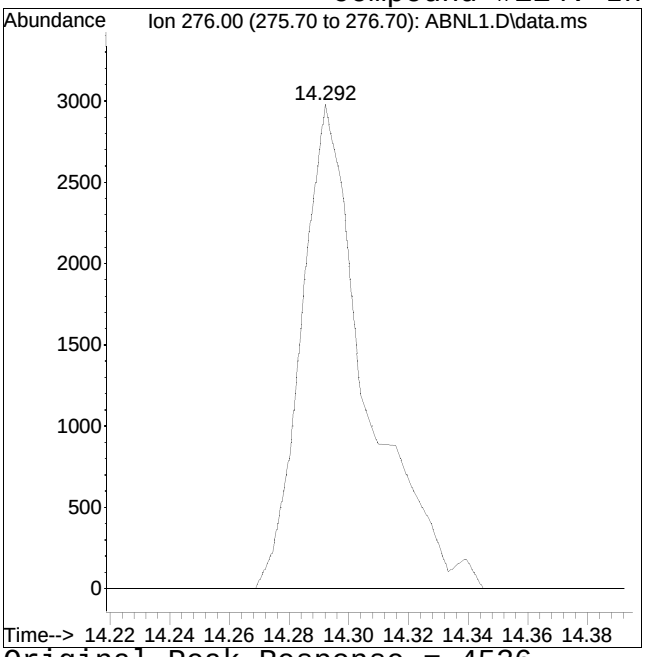
Original Peak Response = 4063 Manual Peak Response = 3478 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

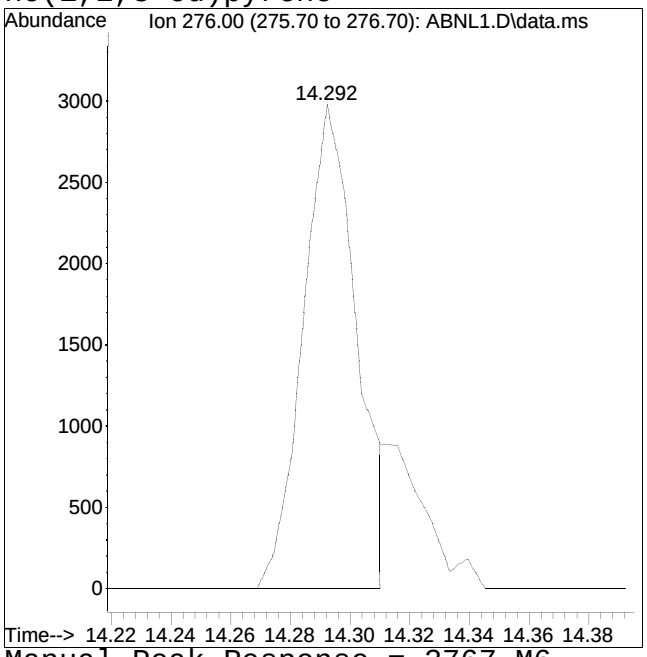
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 4536



Manual Peak Response = 3767 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L9.D
Acq On : 25 Jun 2024 11:47 pm
Operator : SV112:mrg
Sample : IL2,32,,AP9L50 Lot# 10787
Misc : WG1939943
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 06:24:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	22492	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery =	105.96%			
55) IS2_Naphthalene-d8	6.040	136	90198	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery =	110.06%			
83) IS2_Acenaphthene-d10	7.746	164	57949	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery =	111.88%			
98) IS2_Phenanthrene-d10	9.181	188	134679	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery =	113.98%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.369	105	323089	52.545	ug/ml		100
29) Acetophenone	5.205	105	569164	53.186	ug/ml		98
30) m-Toluidine	5.287	106	575073	55.939	ug/ml		98
31) 2-Chloroaniline	5.646	127	523726	53.474	ug/ml		98
56) a-Terpineol	6.099	59	349417	55.891	ug/ml		90
57) 3-Chloroaniline	6.110	65	189402	55.923	ug/ml		99
58) 2,6-Dichlorophenol	6.140	162	417756	56.797	ug/ml	#	90
59) 1-chloro-2-nitrobenzene	6.393	111	189585	58.701	ug/ml		94
60) Caprolactam	6.452	55	206621	50.610	ug/ml		88
61) 1,2,4,5-Tetrachloroben...	6.910	216	538717	49.859	ug/ml		99
62) Biphenyl	7.199	154	1054299	45.553	ug/ml	#	88
84) Dichloran	8.881	206	195131	51.538	ug/ml	#	69
85) Pentachloronitrobenzene	9.028	237	204094	60.012	ug/ml	#	81
99) Diphenamid	10.087	167	939537	54.186	ug/ml		82

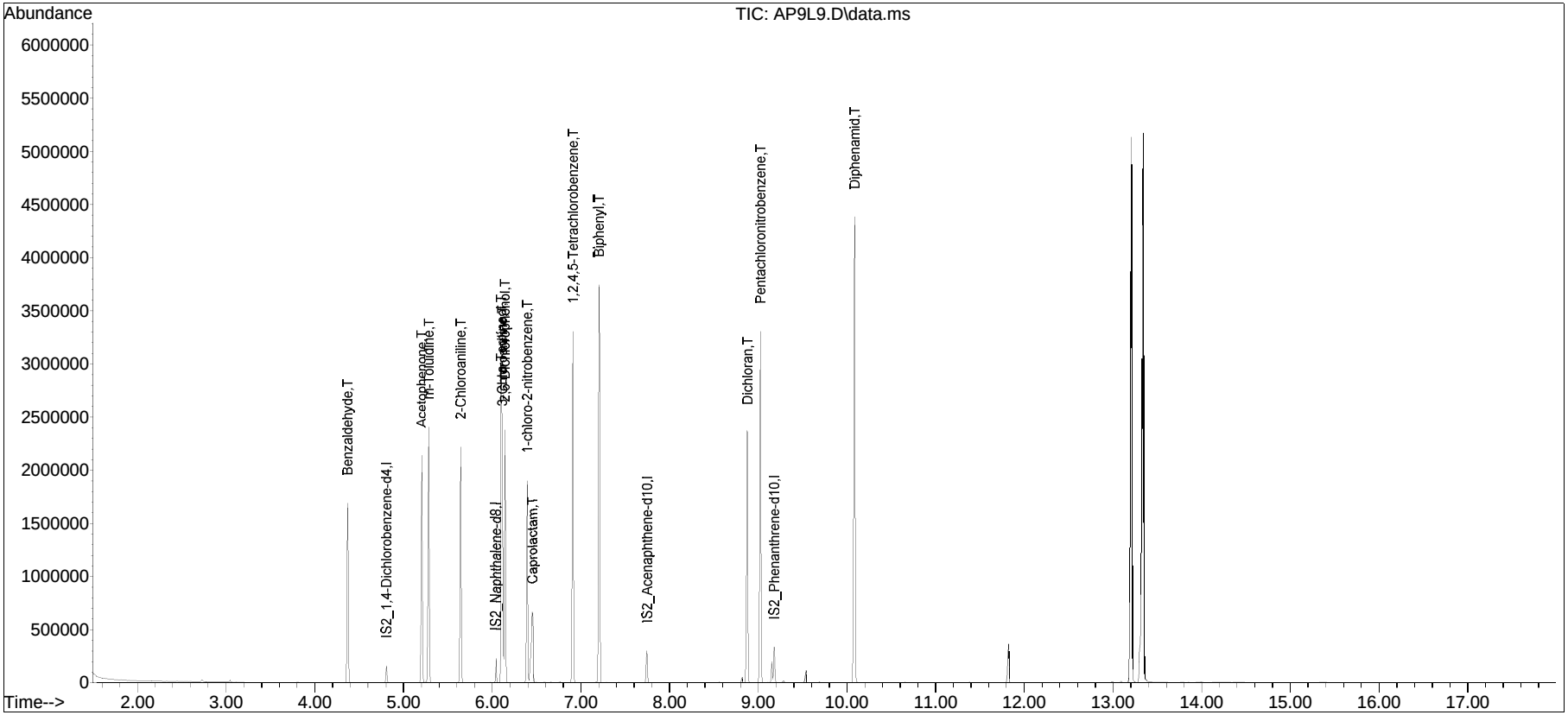
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L9.D
Acq On : 25 Jun 2024 11:47 pm
Operator : SV112:mrg
Sample : IL2,32,,AP9L50 Lot# 10787
Misc : WG1939943
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 06:24:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



FS240625SV112RVT.m Mon Jul 01 06:28:26 2024 Page: 2

Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L9.D	Operator	: SV112:mrg
Date Inj'd	: 6/25/2024 11:47 pm	Instrument	: SV112
Sample	: IL2,32,,AP9L50 Lot# 10787	Quant Date	: 7/1/2024 6:24 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L8.D
Acq On : 26 Jun 2024 12:10 am
Operator : SV112:mrg
Sample : IL3,32,,AP9L25 Lot# 10788
Misc : WG1939943
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 06:23:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

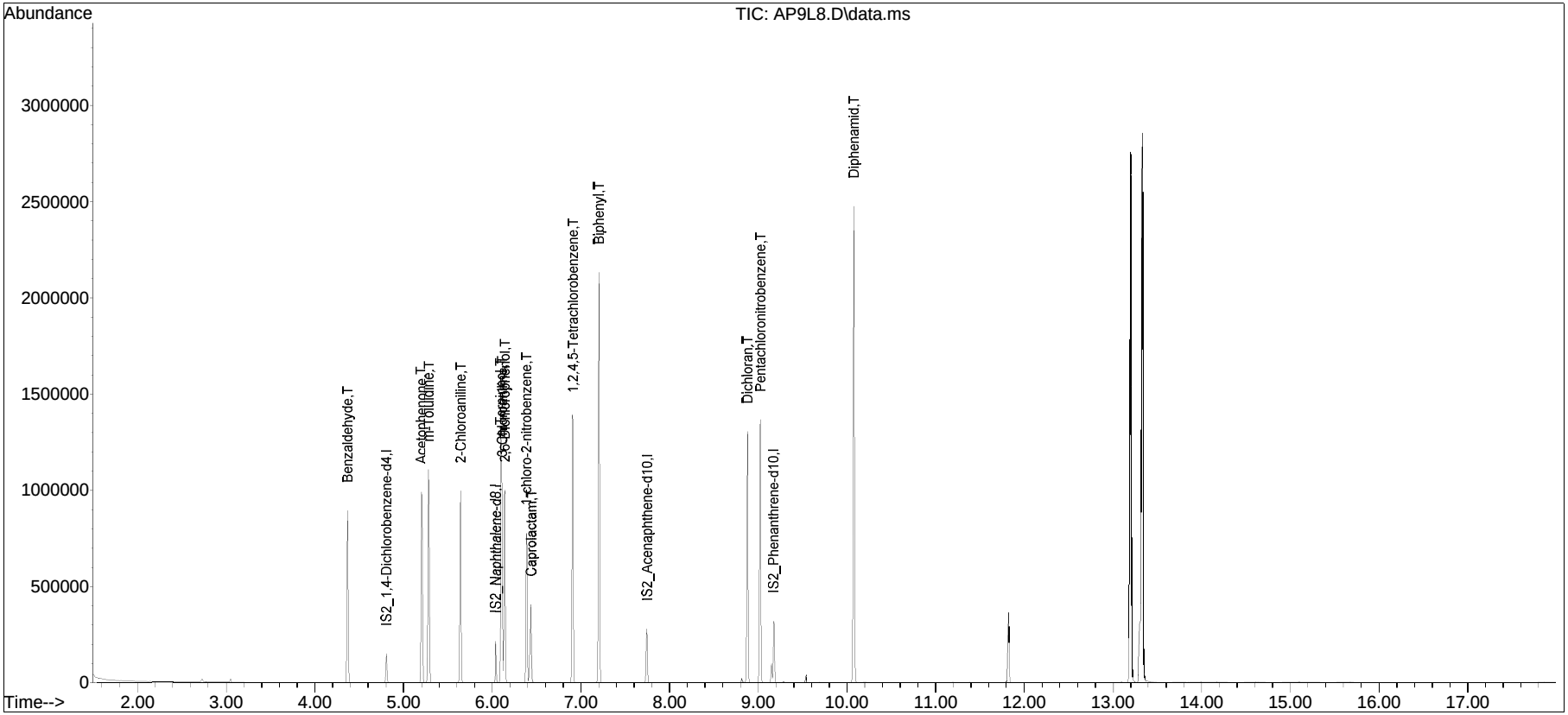
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.805	152	22044	4.000	ug/ml	0.00
Standard Area 1 = 21226			Recovery =	103.85%		
55) IS2_Naphthalene-d8	6.040	136	85892	4.000	ug/ml	0.00
Standard Area 1 = 81952			Recovery =	104.81%		
83) IS2_Acenaphthene-d10	7.746	164	54696	4.000	ug/ml	0.00
Standard Area 1 = 51795			Recovery =	105.60%		
98) IS2_Phenanthrene-d10	9.175	188	127626	4.000	ug/ml #	0.00
Standard Area 1 = 118160			Recovery =	108.01%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.369	105	160147	26.574	ug/ml	100
29) Acetophenone	5.199	105	284383	27.114	ug/ml	98
30) m-Toluidine	5.281	106	281783	27.967	ug/ml	97
31) 2-Chloroaniline	5.646	127	257558	26.832	ug/ml	98
56) a-Terpineol	6.093	59	166526	27.972	ug/ml	91
57) 3-Chloroaniline	6.110	65	87285	27.064	ug/ml	96
58) 2,6-Dichlorophenol	6.140	162	196135	28.003	ug/ml#	90
59) 1-chloro-2-nitrobenzene	6.387	111	89474	29.092	ug/ml	95
60) Caprolactam	6.440	55	95511	24.807	ug/ml#	87
61) 1,2,4,5-Tetrachloroben...	6.910	216	261772	25.442	ug/ml	98
62) Biphenyl	7.199	154	553574	25.117	ug/ml	94
84) Dichloran	8.875	206	87560	24.834	ug/ml#	70
85) Pentachloronitrobenzene	9.028	237	92965	28.961	ug/ml#	82
99) Diphenamid	10.081	167	476415	28.995	ug/ml	84

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

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L8.D
Acq On : 26 Jun 2024 12:10 am
Operator : SV112:mrg
Sample : IL3,32,,AP9L25 Lot# 10788
Misc : WG1939943
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 06:23:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L8.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 12:10 am	Instrument	: SV112
Sample	: IL3,32,,AP9L25 Lot# 10788	Quant Date	: 7/1/2024 6:24 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L7.D
Acq On : 26 Jun 2024 12:33 am
Operator : SV112:mrg
Sample : IL4,32,,AP9L10 Lot# 10789
Misc : WG1939943
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 01 06:23:44 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	20726	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 97.64%				
55) IS2_Naphthalene-d8	6.040	136	79494	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 97.00%				
83) IS2_Acenaphthene-d10	7.746	164	50641	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 97.77%				
98) IS2_Phenanthrene-d10	9.175	188	115182	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 97.48%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.369	105	60217	10.628	ug/ml		99
29) Acetophenone	5.199	105	106664	10.817	ug/ml		98
30) m-Toluidine	5.281	106	105202	11.105	ug/ml		97
31) 2-Chloroaniline	5.646	127	97569	10.811	ug/ml		99
56) a-Terpineol	6.093	59	59466	10.793	ug/ml		92
57) 3-Chloroaniline	6.105	65	31462	10.540	ug/ml		92
58) 2,6-Dichlorophenol	6.134	162	72744	11.222	ug/ml	#	90
59) 1-chloro-2-nitrobenzene	6.387	111	32101	11.278	ug/ml		94
60) Caprolactam	6.422	55	34523	9.973	ug/ml		89
61) 1,2,4,5-Tetrachloroben...	6.904	216	97989	10.290	ug/ml		97
62) Biphenyl	7.199	154	211768	10.382	ug/ml		97
84) Dichloran	8.869	206	28506	9.143	ug/ml	#	71
85) Pentachloronitrobenzene	9.022	237	31153	10.482	ug/ml	#	83
99) Diphenamid	10.081	167	166343	11.217	ug/ml		85

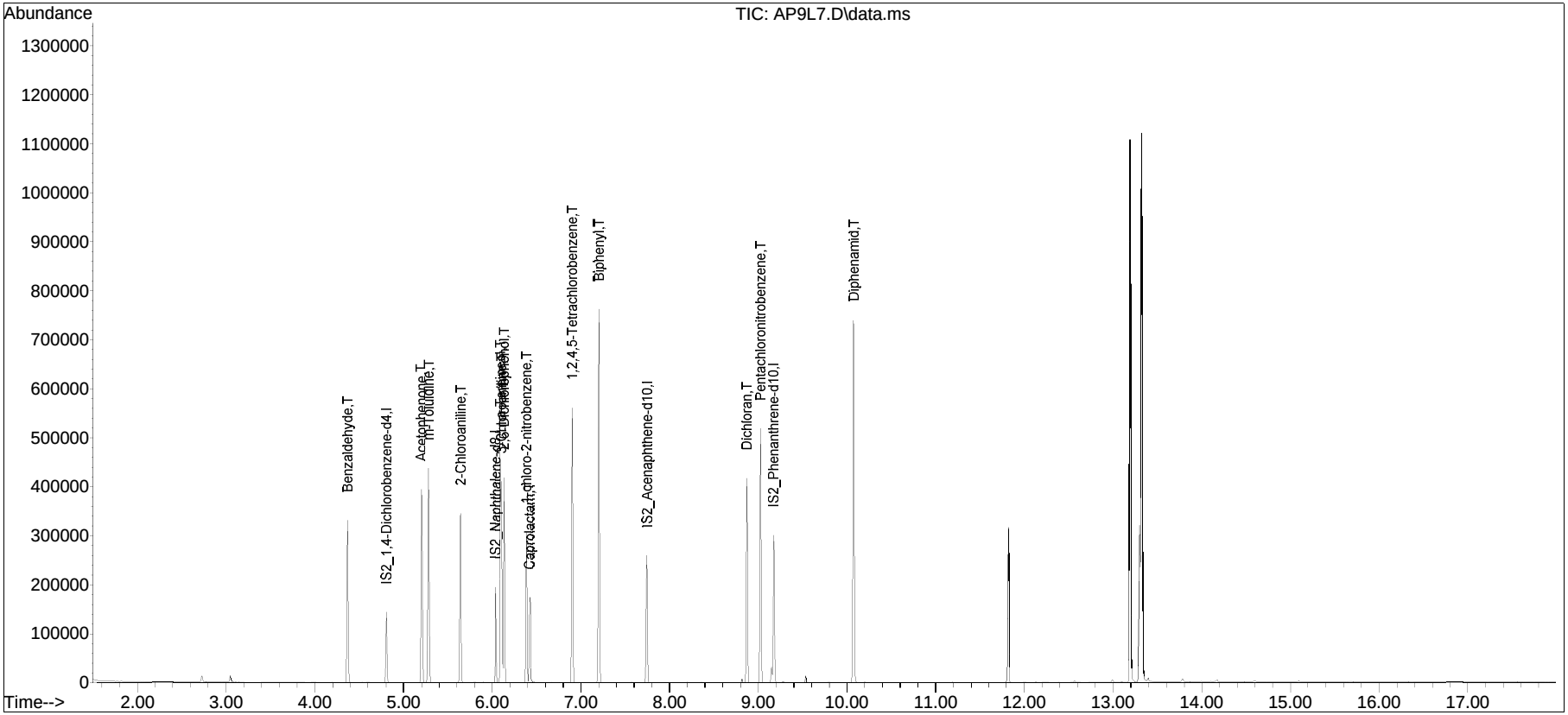
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L7.D
Acq On : 26 Jun 2024 12:33 am
Operator : SV112:mrg
Sample : IL4,32,,AP9L10 Lot# 10789
Misc : WG1939943
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 01 06:23:44 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L7.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 12:33 am	Instrument	: SV112
Sample	: IL4,32,,AP9L10 Lot# 10789	Quant Date	: 7/1/2024 6:24 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L6.D
Acq On : 26 Jun 2024 12:56 am
Operator : SV112:mrg
Sample : IL5,32,,AP9L5 Lot# 10790
Misc : WG1939943
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 01 06:23:33 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	21226	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery =	100.00%			
55) IS2_Naphthalene-d8	6.040	136	81952	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery =	100.00%			
83) IS2_Acenaphthene-d10	7.746	164	51795	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery =	100.00%			
98) IS2_Phenanthrene-d10	9.175	188	118160	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery =	100.00%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.369	105	28710	4.948	ug/ml		98
29) Acetophenone	5.199	105	53018	5.250	ug/ml		97
30) m-Toluidine	5.281	106	50941	5.251	ug/ml		96
31) 2-Chloroaniline	5.646	127	47349	5.123	ug/ml		99
56) a-Terpineol	6.093	59	28592	5.034	ug/ml		92
57) 3-Chloroaniline	6.104	65	15255	4.957	ug/ml		89
58) 2,6-Dichlorophenol	6.134	162	34304	5.133	ug/ml	#	90
59) 1-chloro-2-nitrobenzene	6.387	111	14944	5.093	ug/ml		96
60) Caprolactam	6.422	55	15831	4.695	ug/ml		90
61) 1,2,4,5-Tetrachloroben...	6.904	216	48563	4.947	ug/ml		97
62) Biphenyl	7.199	154	104269	4.958	ug/ml		97
84) Dichloran	8.869	206	12834	4.379	ug/ml	#	72
85) Pentachloronitrobenzene	9.022	237	14603	4.804	ug/ml	#	81
99) Diphenamid	10.075	167	78562	5.164	ug/ml		85

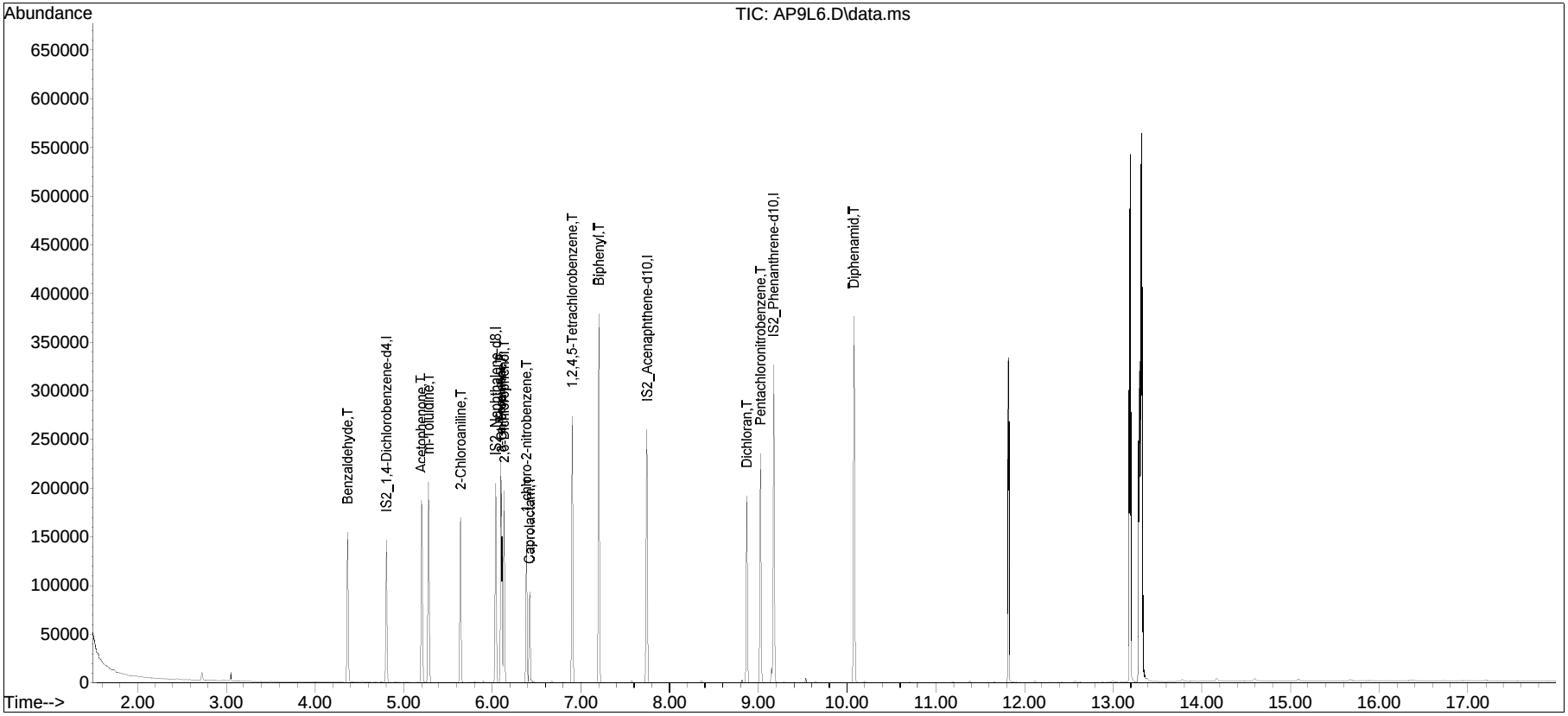
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L6.D
Acq On : 26 Jun 2024 12:56 am
Operator : SV112:mrg
Sample : IL5,32,,AP9L5 Lot# 10790
Misc : WG1939943
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 01 06:23:33 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L6.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 12:56 am	Instrument	: SV112
Sample	: IL5,32,,AP9L5 Lot# 10790	Quant Date	: 7/1/2024 6:24 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L5.D
Acq On : 26 Jun 2024 01:19 am
Operator : SV112:mrg
Sample : IL6,32,,AP9L2.5 Lot# 10791
Misc : WG1939943
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 01 06:23:21 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.805	152	20752	4.000	ug/ml	0.00
Standard Area 1 = 21226			Recovery = 97.77%			
55) IS2_Naphthalene-d8	6.040	136	79357	4.000	ug/ml	0.00
Standard Area 1 = 81952			Recovery = 96.83%			
83) IS2_Acenaphthene-d10	7.746	164	48252	4.000	ug/ml	0.00
Standard Area 1 = 51795			Recovery = 93.16%			
98) IS2_Phenanthrene-d10	9.175	188	111263	4.000	ug/ml	# 0.00
Standard Area 1 = 118160			Recovery = 94.16%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.369	105	14171	2.498	ug/ml	100
29) Acetophenone	5.199	105	24703	2.502	ug/ml	97
30) m-Toluidine	5.281	106	23505	2.478	ug/ml	98
31) 2-Chloroaniline	5.646	127	22742	2.517	ug/ml	98
56) a-Terpineol	6.093	59	13091	2.380	ug/ml	90
57) 3-Chloroaniline	6.105	65	7093	2.380	ug/ml	90
58) 2,6-Dichlorophenol	6.134	162	15715	2.428	ug/ml#	89
59) 1-chloro-2-nitrobenzene	6.387	111	6601	2.323	ug/ml#	93
60) Caprolactam	6.416	55	6499	2.259	ug/ml#	88
61) 1,2,4,5-Tetrachloroben...	6.905	216	22878	2.407	ug/ml	95
62) Biphenyl	7.199	154	50391	2.475	ug/ml	98
84) Dichloran	8.869	206	5538	2.368	ug/ml#	70
85) Pentachloronitrobenzene	9.022	237	6418	2.266	ug/ml#	81
99) Diphenamid	10.075	167	34924	2.438	ug/ml	84

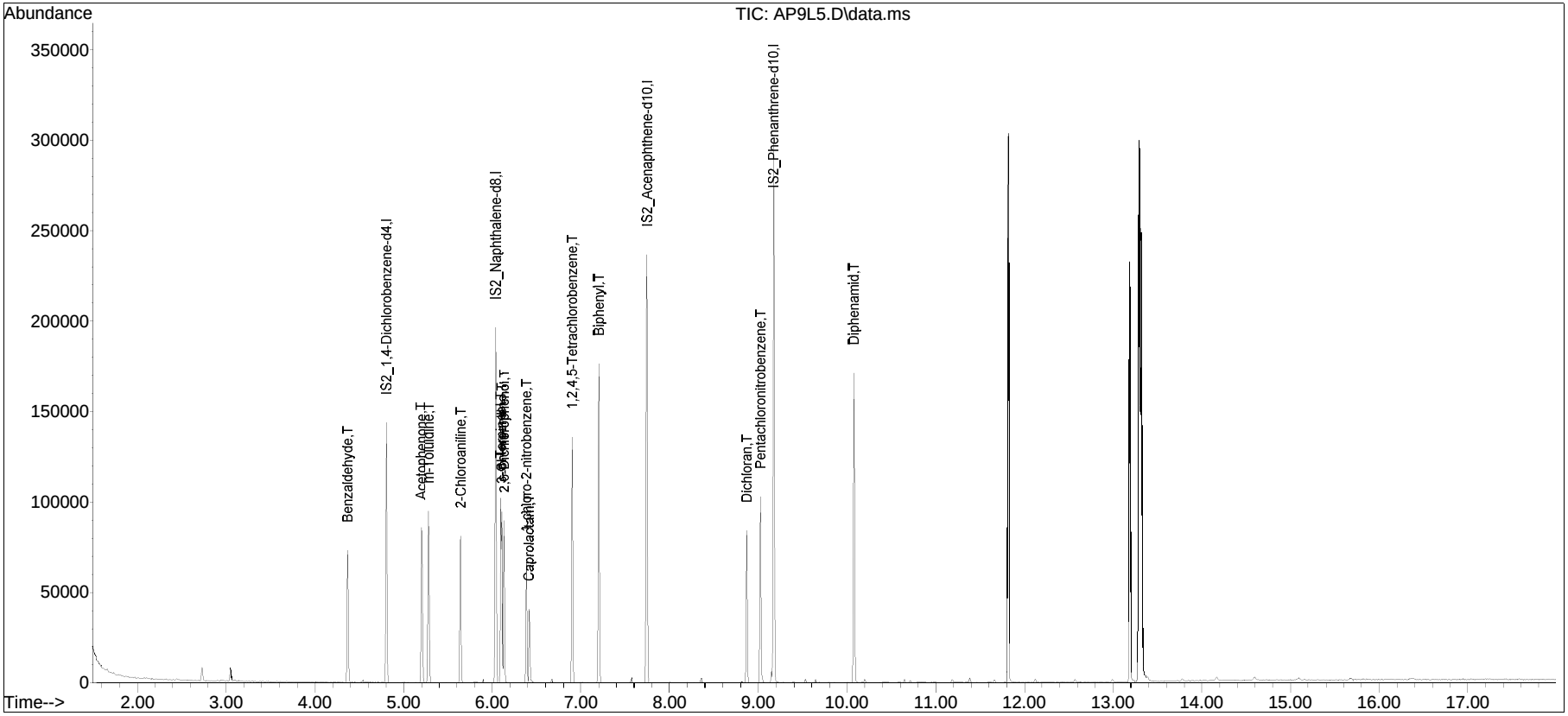
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L5.D
Acq On : 26 Jun 2024 01:19 am
Operator : SV112:mrg
Sample : IL6,32,,AP9L2.5 Lot# 10791
Misc : WG1939943
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 01 06:23:21 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L5.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 1:19 am	Instrument	: SV112
Sample	: IL6,32,,AP9L2.5 Lot# 10791	Quant Date	: 7/1/2024 6:24 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L4.D
Acq On : 26 Jun 2024 01:43 am
Operator : SV112:mrg
Sample : IL7,32,,AP9L1 Lot# 10792
Misc : WG1939943
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 01 06:23:10 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

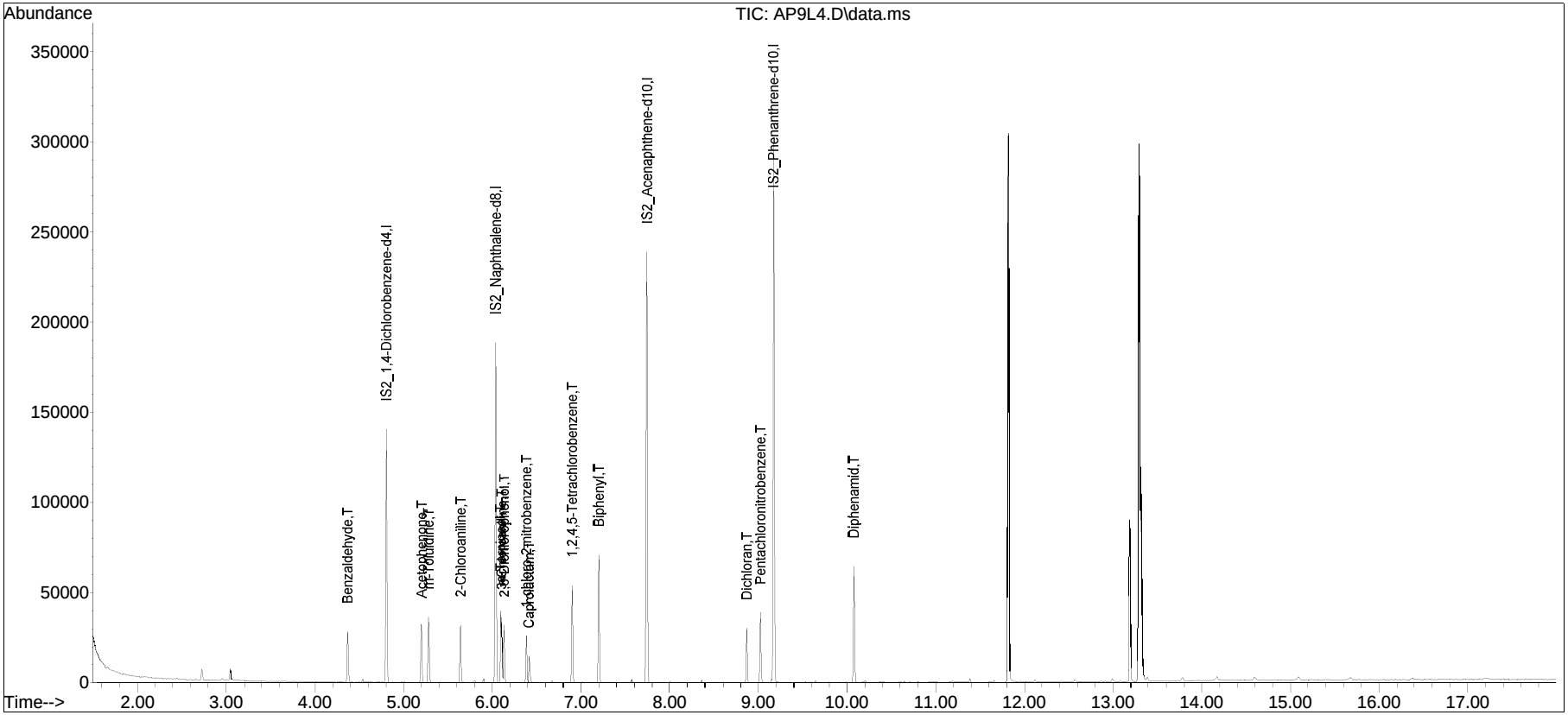
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	20723	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 97.63%				
55) IS2_Naphthalene-d8	6.040	136	76626	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 93.50%				
83) IS2_Acenaphthene-d10	7.746	164	47603	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 91.91%				
98) IS2_Phenanthrene-d10	9.175	188	108646	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 91.95%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.369	105	5554	0.980	ug/ml		98
29) Acetophenone	5.205	105	9859	1.000	ug/ml		96
30) m-Toluidine	5.281	106	9225	0.974	ug/ml		98
31) 2-Chloroaniline	5.646	127	8758	0.971	ug/ml		99
56) a-Terpineol	6.093	59	5131	0.966	ug/ml		88
57) 3-Chloroaniline	6.105	65	2857	0.993	ug/ml		96
58) 2,6-Dichlorophenol	6.134	162	5787	0.926	ug/ml		90
59) 1-chloro-2-nitrobenzene	6.387	111	2799	1.020	ug/ml		94
60) Caprolactam	6.416	55	2412	1.156	ug/ml		91
61) 1,2,4,5-Tetrachloroben...	6.905	216	9645	1.051	ug/ml	#	96
62) Biphenyl	7.199	154	20307	1.033	ug/ml		98
84) Dichloran	8.869	206	1907	1.239	ug/ml	#	81
85) Pentachloronitrobenzene	9.022	237	2444	0.875	ug/ml	#	82
99) Diphenamid	10.075	167	13800	0.987	ug/ml		85

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

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L4.D
Acq On : 26 Jun 2024 01:43 am
Operator : SV112:mrg
Sample : IL7,32,,AP9L1 Lot# 10792
Misc : WG1939943
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 01 06:23:10 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L4.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 1:43 am	Instrument	: SV112
Sample	: IL7,32,,AP9L1 Lot# 10792	Quant Date	: 7/1/2024 6:23 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L3.D
Acq On : 26 Jun 2024 02:06 am
Operator : SV112:mrg
Sample : IL8,32,,AP9L0.5 Lot# 10793
Misc : WG1939943
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 06:22:59 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

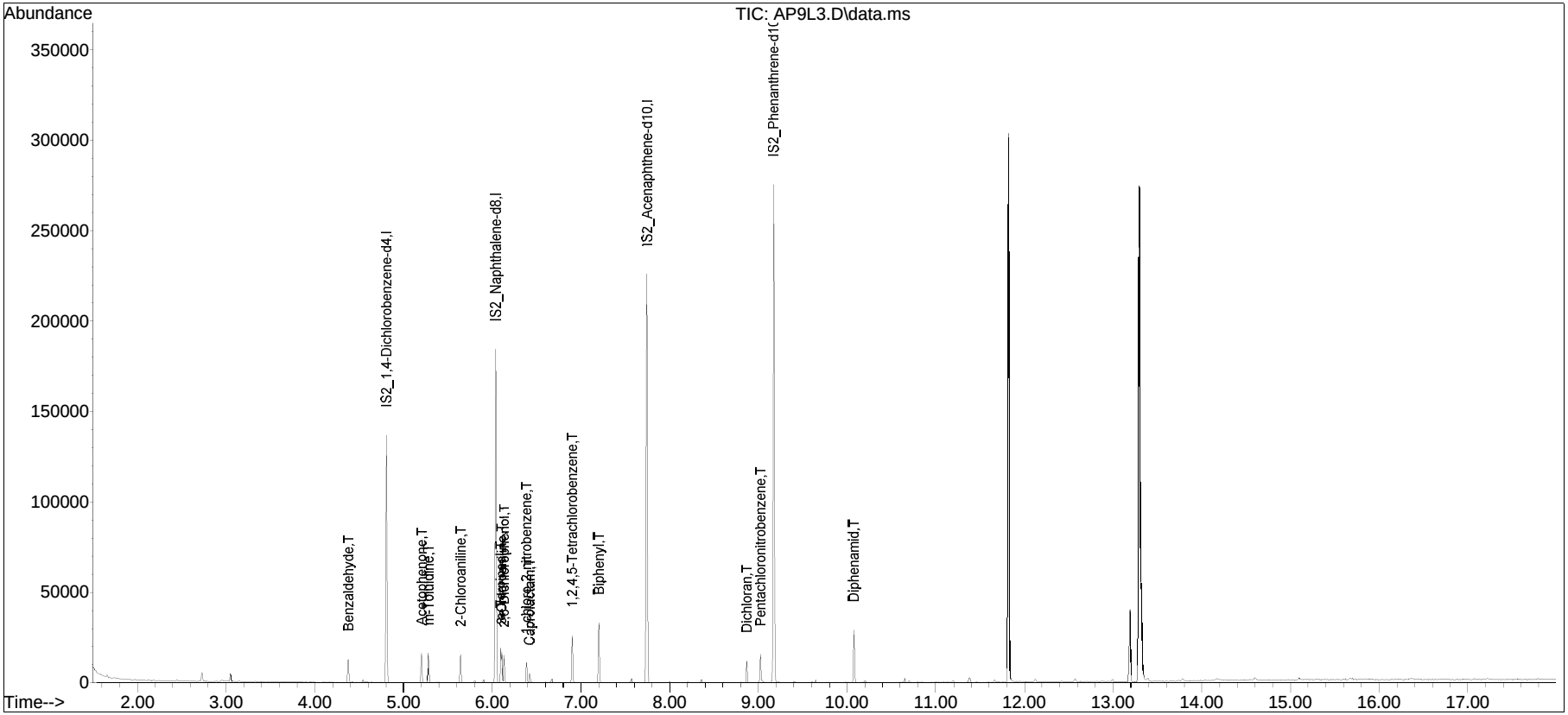
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	20138	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 94.87%				
55) IS2_Naphthalene-d8	6.040	136	74008	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 90.31%				
83) IS2_Acenaphthene-d10	7.746	164	44694	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 86.29%				
98) IS2_Phenanthrene-d10	9.175	188	102142	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 86.44%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.375	105	2792	0.507	ug/ml		99
29) Acetophenone	5.205	105	4826	0.504	ug/ml		99
30) m-Toluidine	5.281	106	4468	0.485	ug/ml	#	92
31) 2-Chloroaniline	5.646	127	4442	0.507	ug/ml		94
56) a-Terpineol	6.093	59	2535	0.494	ug/ml		94
57) 3-Chloroaniline	6.105	65	1554	0.559	ug/ml		91
58) 2,6-Dichlorophenol	6.134	162	2827	0.468	ug/ml		93
59) 1-chloro-2-nitrobenzene	6.387	111	1322	0.499	ug/ml		95
60) Caprolactam	6.422	55	1062	0.781	ug/ml	#	62
61) 1,2,4,5-Tetrachloroben...	6.904	216	4650	0.525	ug/ml		98
62) Biphenyl	7.199	154	10080	0.531	ug/ml		98
84) Dichloran	8.869	206	871	0.928	ug/ml		81
85) Pentachloronitrobenzene	9.022	237	1116	0.425	ug/ml	#	76
99) Diphenamid	10.075	167	5974	0.454	ug/ml		86

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

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L3.D
Acq On : 26 Jun 2024 02:06 am
Operator : SV112:mrg
Sample : IL8,32,,AP9L0.5 Lot# 10793
Misc : WG1939943
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 06:22:59 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L3.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 2:06 am	Instrument	: SV112
Sample	: IL8,32,,AP9L0.5 Lot# 10793	Quant Date	: 7/1/2024 6:23 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L2.D
Acq On : 26 Jun 2024 02:29 am
Operator : SV112:mrg
Sample : IL9,32,,AP9L0.2 Lot# 10794
Misc : WG1939943
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 06:22:48 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	20613	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 97.11%				
55) IS2_Naphthalene-d8	6.040	136	75816	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 92.51%				
83) IS2_Acenaphthene-d10	7.746	164	46427	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 89.64%				
98) IS2_Phenanthrene-d10	9.175	188	106296	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 89.96%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.375	105	1252	0.222	ug/ml		91
29) Acetophenone	5.205	105	2044	0.208	ug/ml	#	82
30) m-Toluidine	5.287	106	1832	0.194	ug/ml	#	95
31) 2-Chloroaniline	5.646	127	1770	0.197	ug/ml	#	75
56) a-Terpineol	6.093	59	1050	0.200	ug/ml		96
57) 3-Chloroaniline	6.105	65	491M2	0.172	ug/ml		
58) 2,6-Dichlorophenol	6.134	162	1237	0.200	ug/ml		91
59) 1-chloro-2-nitrobenzene	6.387	111	528	0.194	ug/ml	#	63
60) Caprolactam	6.428	55	298M2	0.553	ug/ml		
61) 1,2,4,5-Tetrachloroben...	6.904	216	2043	0.225	ug/ml	#	89
62) Biphenyl	7.199	154	4391	0.226	ug/ml		99
84) Dichloran	8.869	206	316M2	0.736	ug/ml		
85) Pentachloronitrobenzene	9.022	237	492M2	0.181	ug/ml		
99) Diphenamid	10.075	167	2543	0.186	ug/ml		86

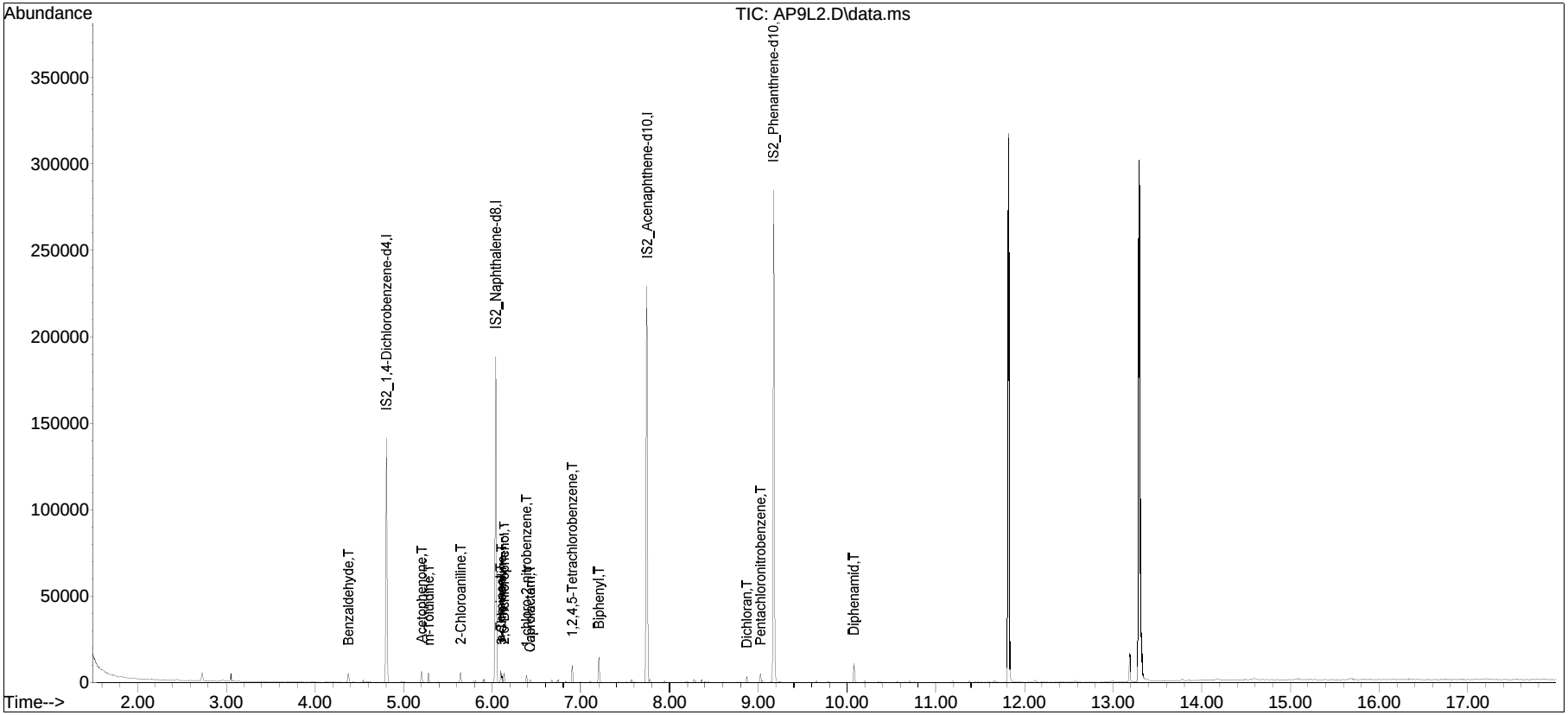
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L2.D
Acq On : 26 Jun 2024 02:29 am
Operator : SV112:mrg
Sample : IL9,32,,AP9L0.2 Lot# 10794
Misc : WG1939943
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 06:22:48 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

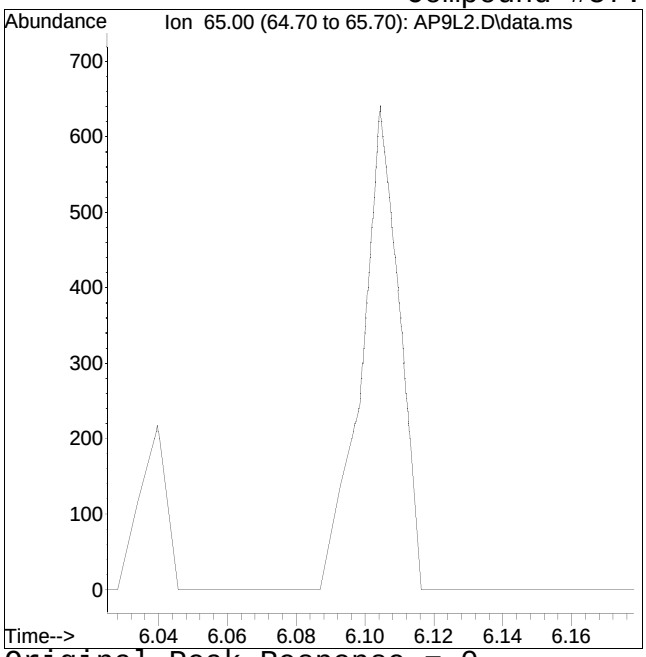
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



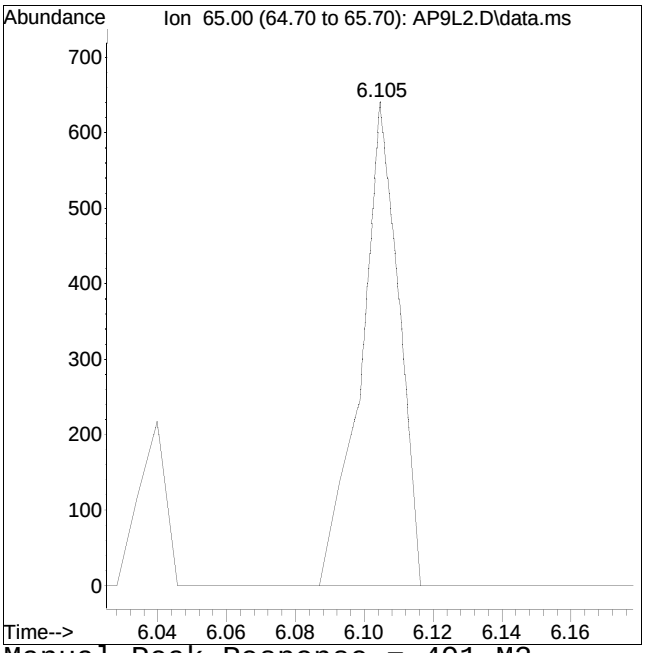
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:29 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 10794Quant Date : 7/1/2024 6:23 am

Compound #57: 3-Chloroaniline



Original Peak Response = 0



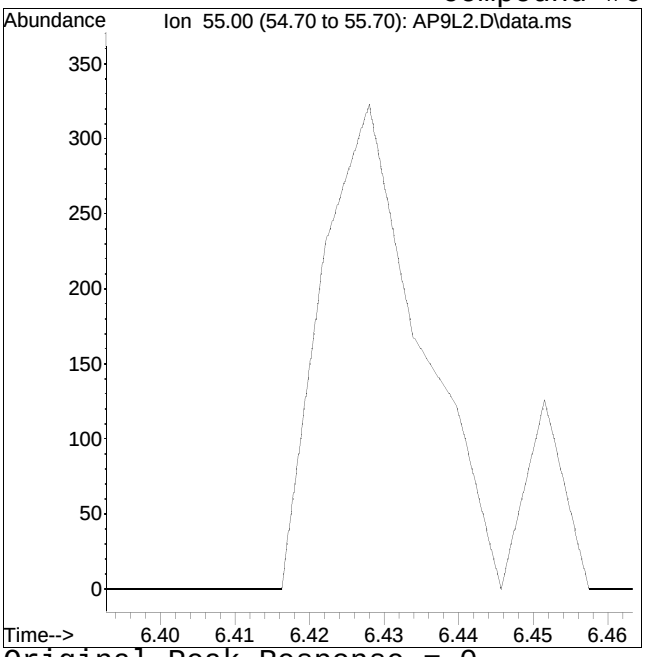
Manual Peak Response = 491 M2

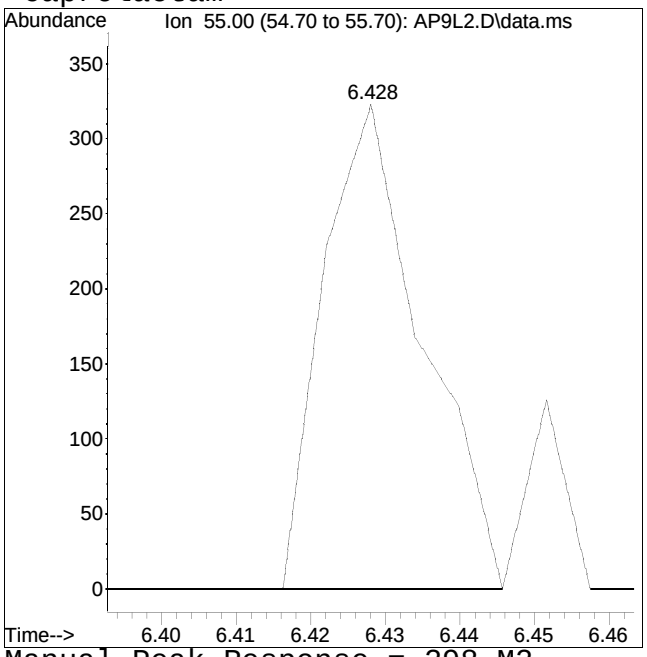
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:29 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 10794Quant Date : 7/1/2024 6:23 am

Compound #60: Caprolactam



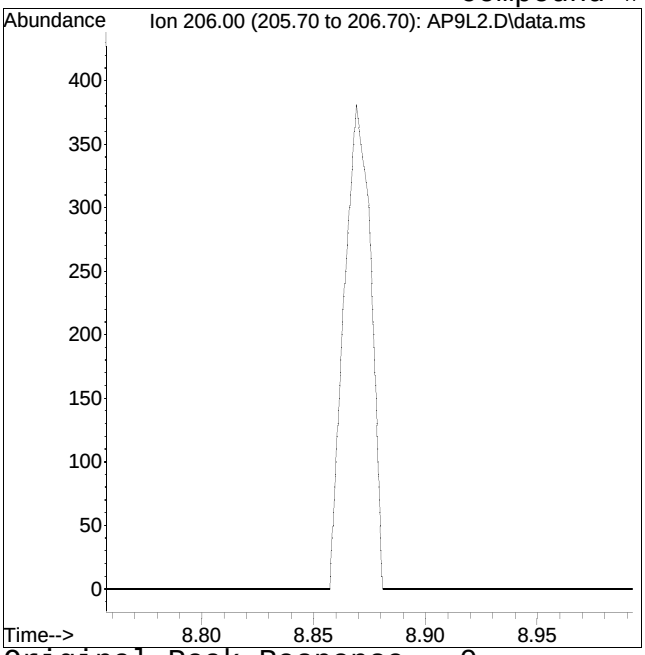


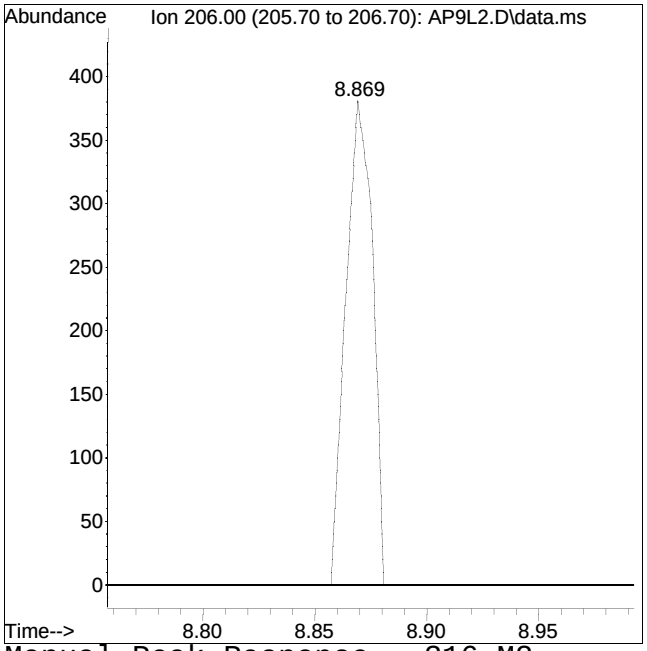
Original Peak Response = 0 Manual Peak Response = 298 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:29 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 10794Quant Date : 7/1/2024 6:23 am

Compound #84: Dichloran



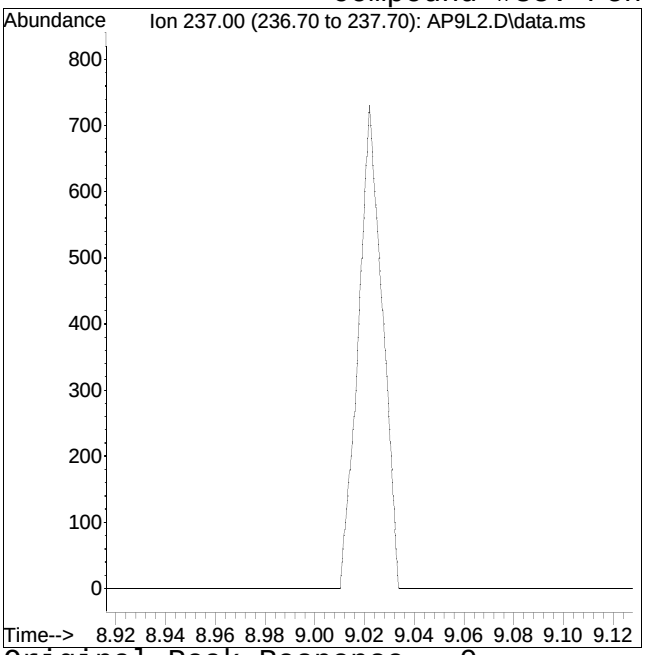


Original Peak Response = 0 Manual Peak Response = 316 M2
M2 = Peak not found by automatic integration algorithm.

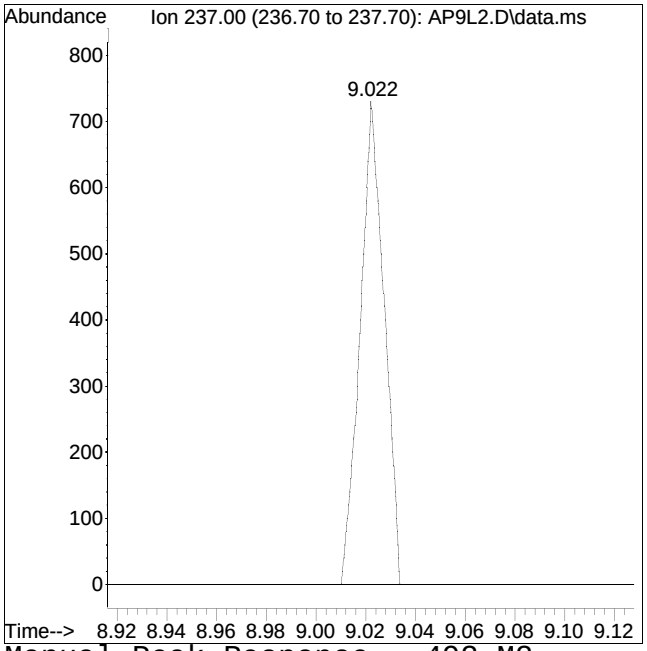
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:29 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 10794Quant Date : 7/1/2024 6:23 am

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0



Manual Peak Response = 492 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L1.D
Acq On : 26 Jun 2024 02:52 am
Operator : SV112:mrg
Sample : IL10,32,,AP9L0.1 Lot# 10795
Misc : WG1939943
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 06:22:37 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.805	152	19956	4.000	ug/ml	0.00
Standard Area 1 = 21226			Recovery = 94.02%			
55) IS2_Naphthalene-d8	6.040	136	73801	4.000	ug/ml	0.00
Standard Area 1 = 81952			Recovery = 90.05%			
83) IS2_Acenaphthene-d10	7.746	164	45325	4.000	ug/ml	0.00
Standard Area 1 = 51795			Recovery = 87.51%			
98) IS2_Phenanthrene-d10	9.175	188	102570	4.000	ug/ml	# 0.00
Standard Area 1 = 118160			Recovery = 86.81%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.375	105	519	0.095	ug/ml#	2
29) Acetophenone	5.205	105	834	0.088	ug/ml#	51
30) m-Toluidine	5.281	106	810	0.089	ug/ml#	92
31) 2-Chloroaniline	5.646	127	845	0.097	ug/ml#	46
56) a-Terpineol	6.093	59	497M3	0.097	ug/ml	
57) 3-Chloroaniline	6.104	65	198M2	0.071	ug/ml	
58) 2,6-Dichlorophenol	6.134	162	578	0.096	ug/ml#	17
59) 1-chloro-2-nitrobenzene	6.387	111	209M2	0.079	ug/ml	
60) Caprolactam	6.428	55	106M2	0.498	ug/ml	
61) 1,2,4,5-Tetrachloroben...	6.904	216	888	0.100	ug/ml#	87
62) Biphenyl	7.199	154	2021	0.107	ug/ml	93
84) Dichloran	8.869	206	167M2	0.689	ug/ml	
85) Pentachloronitrobenzene	9.022	237	200M2	0.075	ug/ml	
99) Diphenamid	10.075	167	1305	0.099	ug/ml	88

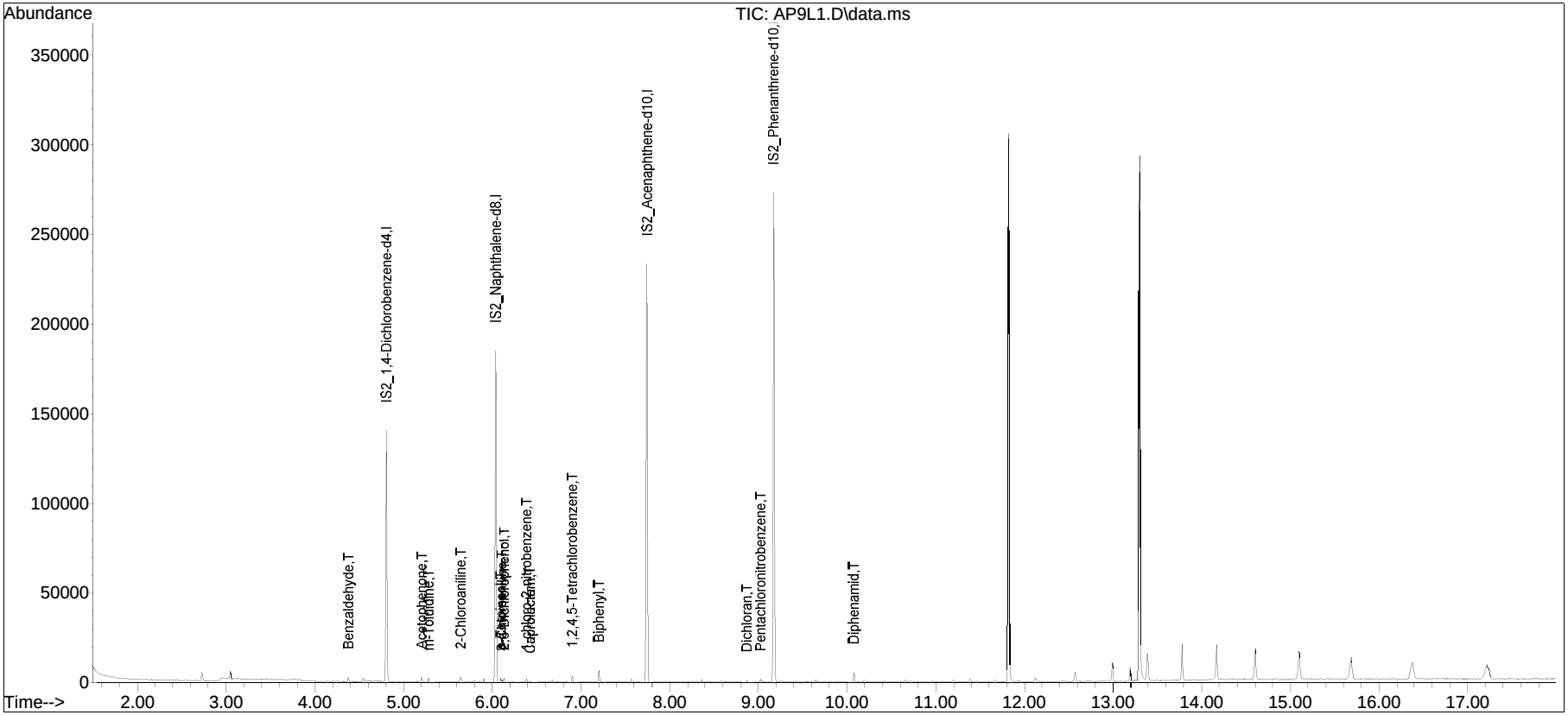
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L1.D
Acq On : 26 Jun 2024 02:52 am
Operator : SV112:mrg
Sample : IL10,32,,AP9L0.1 Lot# 10795
Misc : WG1939943
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 06:22:37 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

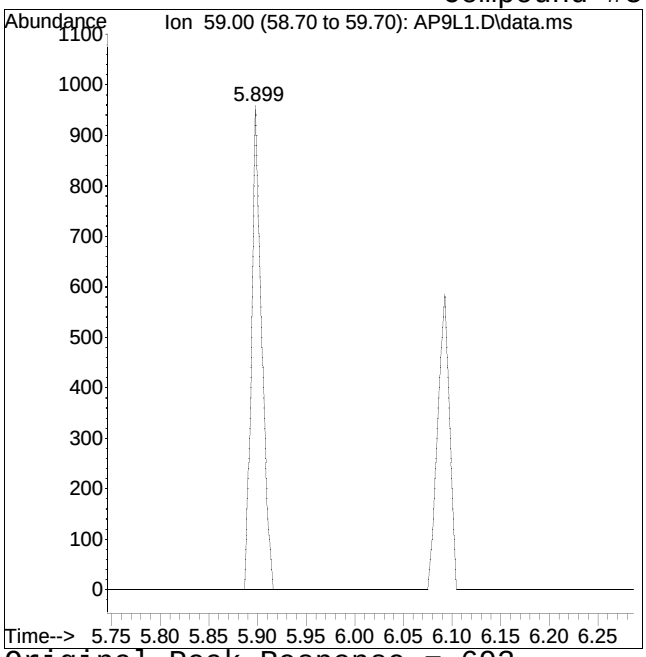
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

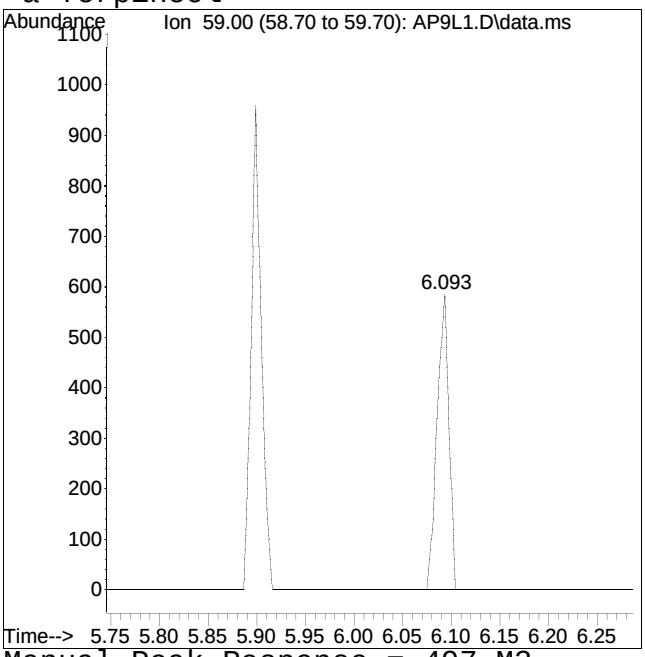


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #56: a-Terpineol





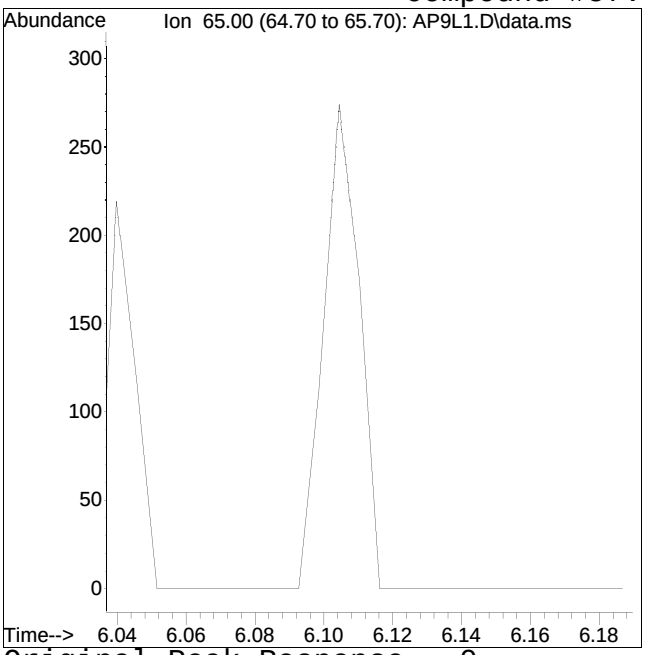
Original Peak Response = 693 Manual Peak Response = 497 M3

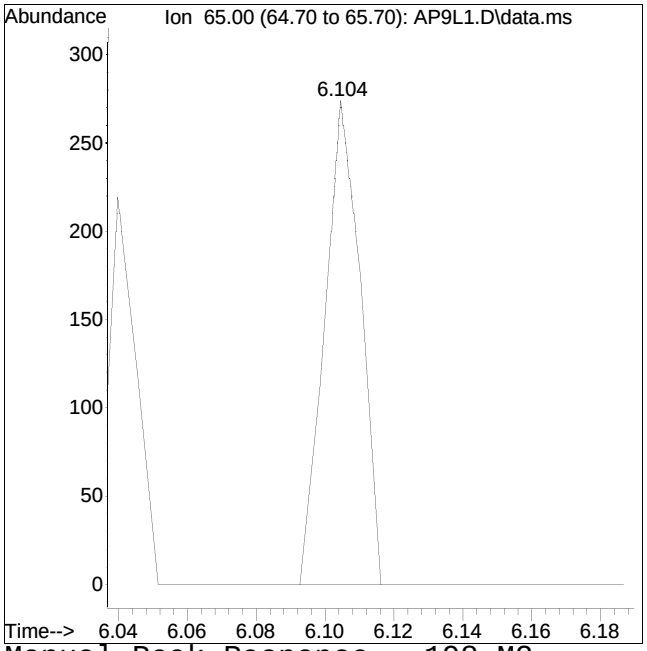
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #57: 3-Chloroaniline



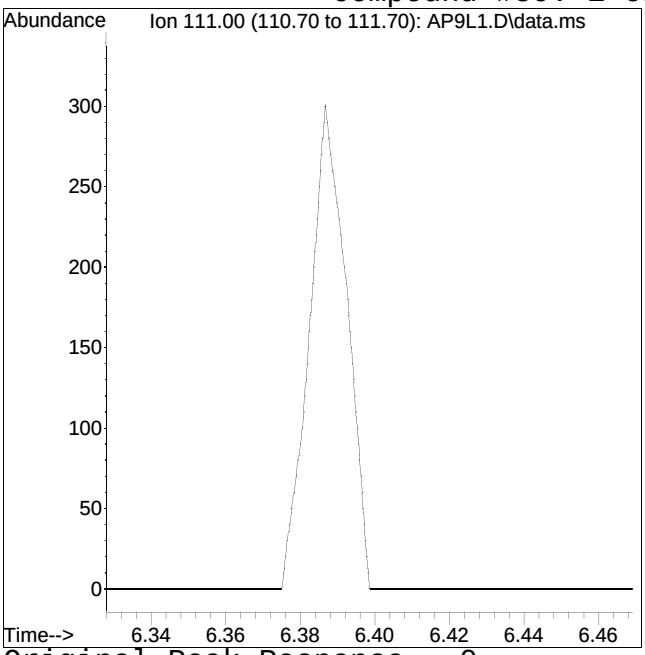


Original Peak Response = 0 Manual Peak Response = 198 M2
M2 = Peak not found by automatic integration algorithm.

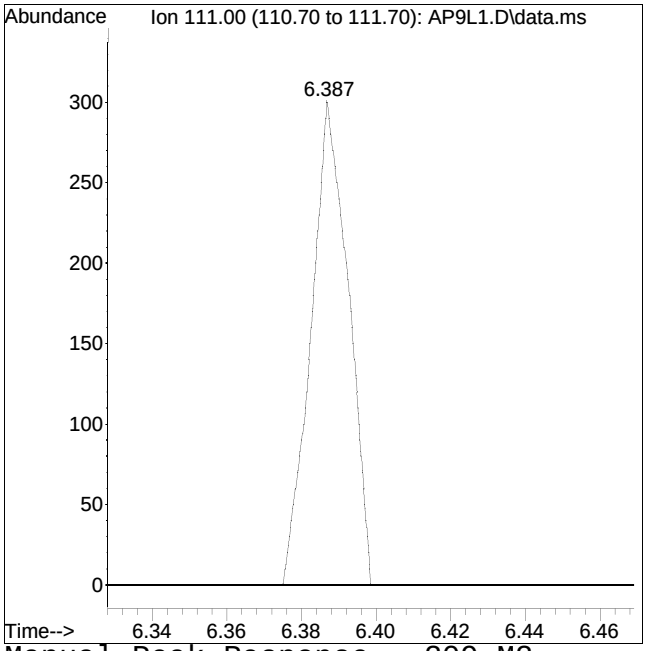
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0



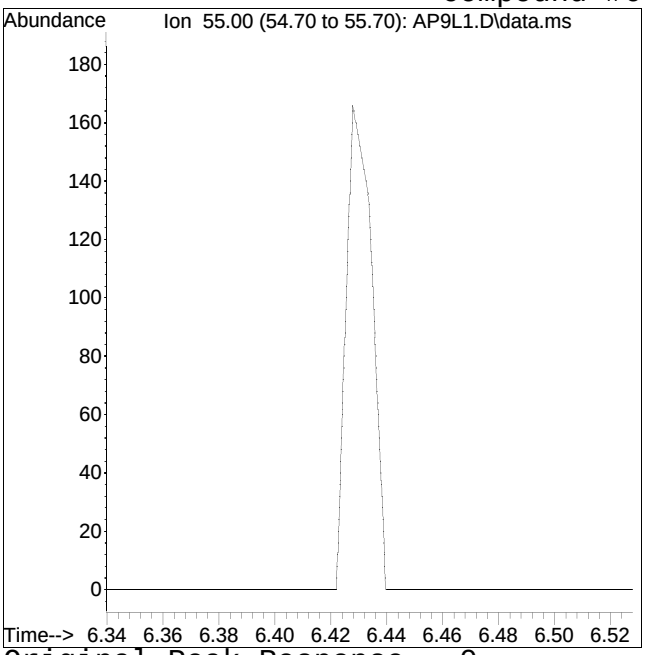
Manual Peak Response = 209 M2

M2 = Peak not found by automatic integration algorithm.

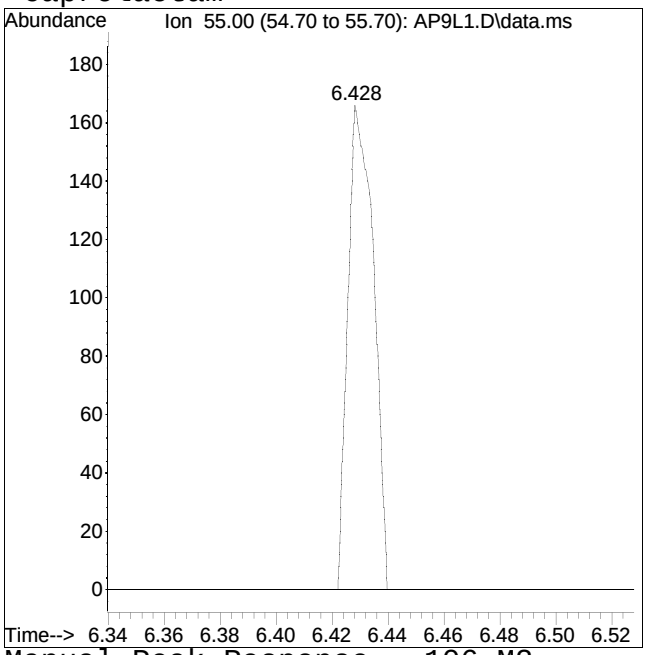
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #60: Caprolactam



Original Peak Response = 0



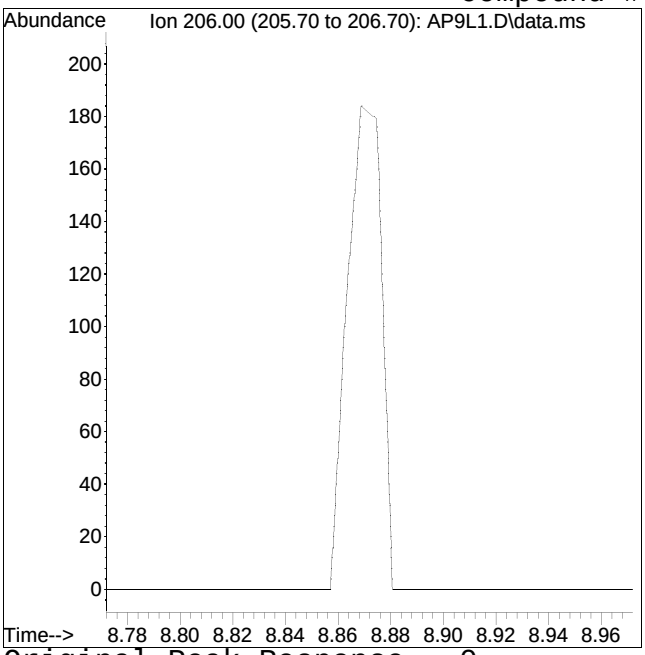
Manual Peak Response = 106 M2

M2 = Peak not found by automatic integration algorithm.

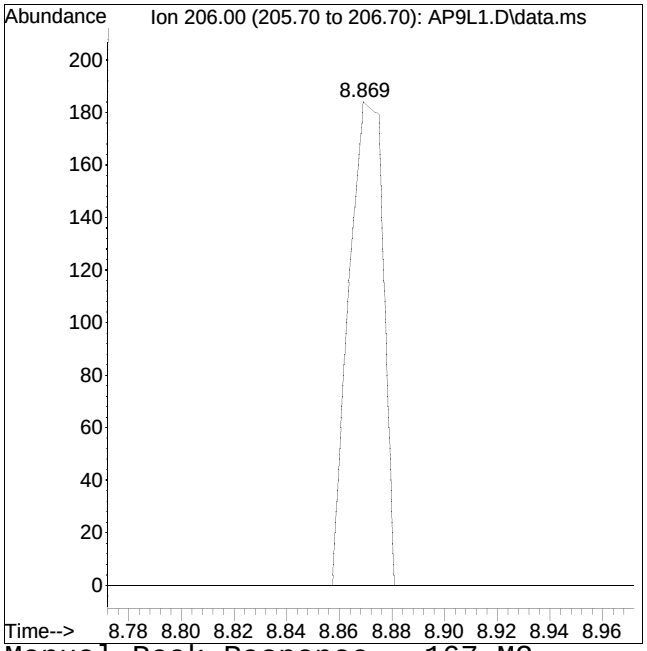
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #84: Dichloran



Original Peak Response = 0



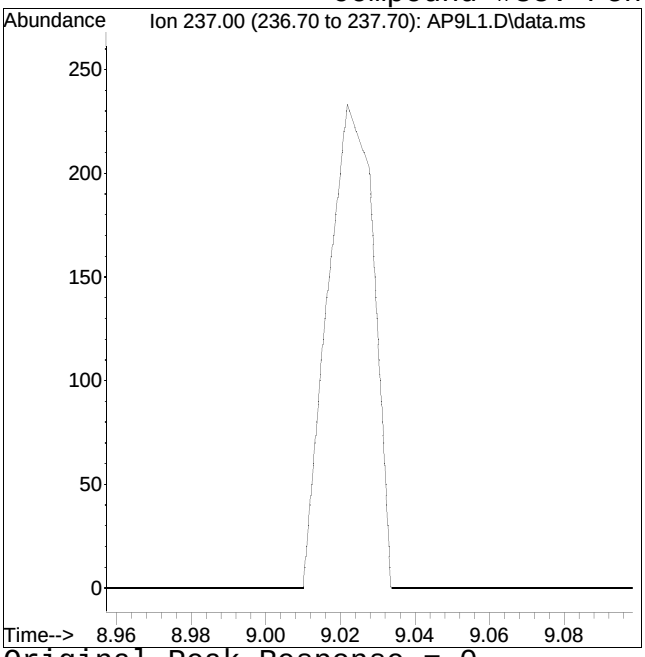
Manual Peak Response = 167 M2

M2 = Peak not found by automatic integration algorithm.

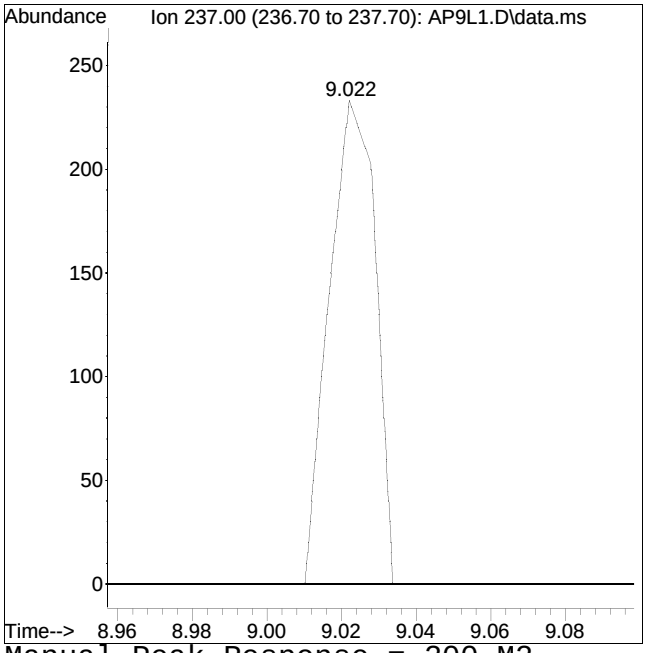
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0



Manual Peak Response = 200 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	97	0.00
2	T	n-Nitrosodimethylamine		0.657	0.661	-0.6	90	-0.01
3	T	Pyridine		1.043	1.077	-3.3	88	-0.01
4	S	2-Fluorophenol		1.050	1.026	2.3	93	0.00
5	T	Aniline		1.811	1.708	5.7	94	0.00
6	T	2-Chlorophenol		1.251	1.194	4.6	94	0.00
7	S	Phenol-d6		1.357	1.302	4.1	92	0.00
8	T	Phenol		1.577	1.534	2.7	95	0.00
9	T	Bis(2-chloroethyl)ether		1.167	1.142	2.1	99	0.00
10	T	1,3-Dichlorobenzene		1.508	1.482	1.7	97	0.00
11	T	1,4-Dichlorobenzene		1.575	1.487	5.6	97	0.00
12	T	1,2-Dichlorobenzene		1.475	1.465	0.7	99	0.00
13	T	Benzyl alcohol		0.945	0.944	0.1	96	0.00
14	T	Bis(2-chloroisopropyl)ether		1.475	1.397	5.3	95	0.00
15	T	2-Methylphenol		1.056	1.030	2.5	95	0.00
16	T	Hexachloroethane		0.558	0.569	-2.0	102	0.00
17	T	n-Nitrosodi-n-propylamine		0.865	0.810	6.4	93	0.00
18	T	3-Methylphenol/4-Methylphen		1.150	1.135	1.3	94	0.00
19	S	Nitrobenzene-d5		1.294	1.185	8.4	89	0.00
20	T	Nitrobenzene		1.289	1.210	6.1	91	0.00
21	T	Isophorone		2.328	2.330	-0.1	100	0.00
22	T	2-Nitrophenol		0.574	0.531	7.5	90	0.00
23	T	2,4-Dimethylphenol		1.101	1.041	5.4	100	0.00
24	T	Bis(2-chloroethoxy)methane		1.567	1.545	1.4	102	0.00
25	T	2,4-Dichlorophenol		1.153	1.150	0.3	99	0.00
26	T	1,2,4-Trichlorobenzene		1.460	1.370	6.2	100	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	98	0.00
36	T	Naphthalene		1.049	0.990	5.6	98	0.00
37	T	Benzoic Acid	*	5.000	4.283	14.3	88	0.00
38	T	4-Chloroaniline		0.118	0.117	0.8	98	0.00
39	T	Hexachlorobutadiene		0.246	0.232	5.7	101	0.00
40	T	p-Chloro-m-cresol		0.277	0.271	2.2	99	0.00
41	T	2-Methylnaphthalene		0.713	0.696	2.4	105	0.00
42	T	1-Methylnaphthalene		0.245	0.238	2.9	107	0.00
43	T	Hexachlorocyclopentadiene		0.251	0.241	4.0	105	0.00
44	T	2,4,6-Trichlorophenol		0.256	0.251	2.0	99	0.00
45	T	2,4,5-Trichlorophenol		0.262	0.259	1.1	99	0.00
46	S	2-Fluorobiphenyl		0.904	0.878	2.9	105	0.00

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.759	0.715	5.8	101	0.00
48	T	2-Nitroaniline		0.200	0.192	4.0	99	0.00
49	T	1,4-Dinitrobenzene		0.098	0.097	1.0	101	0.00
50	T	1,3-Dinitrobenzene		0.114	0.111	2.6	99	0.00
51	T	Dimethyl phthalate		0.923	0.914	1.0	109	0.00
52	T	Acenaphthylene		1.120	1.152	-2.9	107	0.00
53	T	2,6-Dinitrotoluene		0.173	0.173	0.0	104	0.00
54	T	1,2-Dinitrobenzene		0.076	0.074	2.6	103	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	107	0.00
64	T	3-Nitroaniline		0.299	0.294	1.7	102	0.00
65	T	Acenaphthene		1.115	1.047	6.1	108	0.00
66	T	2,4-Dinitrophenol	*	5.000	4.100	18.0	95	0.00
67	T	Dibenzofuran		1.837	1.720	6.4	107	0.00
68	T	2,4-Dinitrotoluene		0.383	0.366	4.4	101	0.00
69	T	4-Nitrophenol		0.290	0.243	16.2	91	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.377	0.381	-1.1	106	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.370	0.392	-5.9	115	0.00
72	T	Diethyl phthalate		1.487	1.433	3.6	115	0.00
73	T	Fluorene		1.431	1.369	4.3	109	0.00
74	T	4-Chlorophenyl phenyl ether		0.780	0.710	9.0	110	0.00
75	T	4-Nitroaniline		0.314	0.320	-1.9	103	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.083	18.3	104	0.00
77	T	NDPA/DPA		1.231	1.176	4.5	110	0.00
78	T	Azobenzene		1.305	1.272	2.5	108	0.00
79	S	2,4,6-Tribromophenol		0.257	0.240	6.6	109	0.00
80	T	4-Bromophenyl phenyl ether		0.500	0.476	4.8	116	0.00
81	T	Hexachlorobenzene		0.628	0.576	8.3	117	0.00
82	T	Pentachlorophenol		0.322	0.304	5.6	108	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	113	0.00
89	T	Phenanthrene		1.058	1.001	5.4	111	0.00
90	T	Anthracene		1.035	1.011	2.3	114	0.00
91	T	Carbazole		0.948	0.936	1.3	111	0.00
92	T	Di-n-butylphthalate		1.034	1.067	-3.2	122	0.00
93	T	Fluoranthene		1.228	1.220	0.7	117	0.00
94	T	Benzidine		0.675	0.684	-1.3	110	0.00
95	T	Pyrene		1.301	1.332	-2.4	116	0.00
96	S	4-Terphenyl-d14		1.029	1.027	0.2	121	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.458	0.448	2.2	120	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	115	0.00
105	T	Benzo(a)anthracene	1.284	1.249	2.7	115	0.00
106	T	3,3'-Dichlorobenzidine	0.468	0.466	0.4	115	0.00
107	T	Chrysene	1.259	1.203	4.4	115	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.639	0.672	-5.2	127	0.00
109	T	Di-n-octylphthalate	0.979	1.043	-6.5	121	0.00
110	T	Benzo(b)fluoranthene	1.317	1.290	2.1	114	0.00
111	T	Benzo(k)fluoranthene	1.202	1.189	1.1	107	0.00
112	T	Benzo(a)pyrene	1.149	1.154	-0.4	113	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	109	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.118	1.029	8.0	98	0.00
115	T	Dibenzo(a,h)anthracene	1.068	1.071	-0.3	108	0.00
116	T	Benzo(ghi)perylene	1.078	0.996	7.6	103	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	20598	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 96.86%		
35) IS1_Naphthalene-d8	6.040	136	80389	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 98.39%		
63) IS1_Acenaphthene-d10	7.746	164	52787	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 107.31%		
88) IS1_Phenanthrene-d10	9.175	188	116871	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 112.53%		
104) IS1_Chrysene-d12	11.822	240	127855	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 114.95%		
113) IS1_Perylene-d12	13.298	264	143710	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 109.37%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.534	112	26417	4.884 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 244.20%#		
7) Phenol-d6	4.475	99	33525	4.799 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 239.95%#		
19) Nitrobenzene-d5	5.340	82	30499	4.577 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 457.70%#		
46) 2-Fluorobiphenyl	7.105	172	88237	4.854 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 485.40%#		
79) 2,4,6-Tribromophenol	8.510	330	15837	4.674 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 233.70%#		
96) 4-Terphenyl-d14	10.757	244	150090	4.993 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 499.30%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.164	74	17024	5.031 ug/ml	96
3) Pyridine	2.199	79	27737	5.166 ug/ml	84
5) Aniline	4.481	93	43964	4.715 ug/ml#	50
6) 2-Chlorophenol	4.599	128	30731	4.772 ug/ml	93
8) Phenol	4.487	94	39494	4.864 ug/ml#	48
9) Bis(2-chloroethyl)ether	4.564	93	29416	4.894 ug/ml	95
10) 1,3-Dichlorobenzene	4.746	146	38166	4.914 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	38281	4.721 ug/ml	97
12) 1,2-Dichlorobenzene	4.969	146	37717	4.965 ug/ml	96
13) Benzyl alcohol	4.952	79	24307	4.997 ug/ml	96
14) Bis(2-chloroisopropyl)...	5.093	45	35963	4.736 ug/ml#	55

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.075	108	26511	4.873	ug/ml	97
16) Hexachloroethane	5.299	117	14641	5.098	ug/ml#	69
17) n-Nitrosodi-n-propylamine	5.216	70	20852	4.680	ug/ml	99
18) 3-Methylphenol/4-Methy...	5.234	108	29223	4.933	ug/ml	97
20) Nitrobenzene	5.358	77	31148	4.691	ug/ml	99
21) Isophorone	5.599	82	59999	5.005	ug/ml	99
22) 2-Nitrophenol	5.675	139	13664	4.620	ug/ml	97
23) 2,4-Dimethylphenol	5.746	107	26791	4.724	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	39785	4.930	ug/ml	99
25) 2,4-Dichlorophenol	5.916	162	29599	4.986	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.993	180	35281	4.693	ug/ml	96
36) Naphthalene	6.058	128	99432	4.718	ug/ml	99
37) Benzoic Acid	5.816	105	14641	4.283	ug/ml	95
38) 4-Chloroaniline	6.122	65	11724	4.950	ug/ml	91
39) Hexachlorobutadiene	6.210	225	23300	4.717	ug/ml	97
40) p-Chloro-m-cresol	6.616	107	27216	4.891	ug/ml	93
41) 2-Methylnaphthalene	6.740	142	69923	4.879	ug/ml	98
42) 1-Methylnaphthalene	6.828	115	23877	4.844	ug/ml	98
43) Hexachlorocyclopentadiene	6.910	237	24201	4.800	ug/ml	98
44) 2,4,6-Trichlorophenol	7.022	196	25194	4.888	ug/ml	99
45) 2,4,5-Trichlorophenol	7.052	196	25978	4.926	ug/ml	99
47) 2-Chloronaphthalene	7.205	162	71799	4.710	ug/ml	94
48) 2-Nitroaniline	7.310	138	19285	4.788	ug/ml	89
49) 1,4-Dinitrobenzene	7.440	168	9774	4.947	ug/ml	83
50) 1,3-Dinitrobenzene	7.516	168	11190	4.884	ug/ml	89
51) Dimethyl phthalate	7.510	163	91883	4.955	ug/ml	100
52) Acenaphthylene	7.605	152	115716	5.142	ug/ml	98
53) 2,6-Dinitrotoluene	7.557	165	17365	5.007	ug/ml	92
54) 1,2-Dinitrobenzene	7.599	168	7435	4.870	ug/ml#	1
64) 3-Nitroaniline	7.710	138	19395	4.919	ug/ml	93
65) Acenaphthene	7.775	154	69117	4.699	ug/ml	97
66) 2,4-Dinitrophenol	7.810	184	8557	4.100	ug/ml#	83
67) Dibenzofuran	7.946	168	113504	4.682	ug/ml	93
68) 2,4-Dinitrotoluene	7.940	165	24166	4.777	ug/ml	93
69) 4-Nitrophenol	7.310	65	16049	4.201	ug/ml#	10
70) 2,3,5,6-Tetrachlorophenol	8.034	232	25150	5.061	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.075	232	25875	5.300	ug/ml	98
72) Diethyl phthalate	8.199	149	94549	4.820	ug/ml	96
73) Fluorene	8.275	166	90363	4.786	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.293	204	46843	4.553	ug/ml#	82

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.299	138	21133	5.094	ug/ml	95
76)	4,6-Dinitro-o-cresol	8.334	198	13091	4.083	ug/ml#	74
77)	NDPA/DPA	8.404	169	77598	4.778	ug/ml	95
78)	Azobenzene	8.440	77	83945	4.874	ug/ml#	93
80)	4-Bromophenyl phenyl e...	8.763	248	31429	4.768	ug/ml#	82
81)	Hexachlorobenzene	8.816	284	37993	4.587	ug/ml#	84
82)	Pentachlorophenol	9.010	266	20072	4.720	ug/ml	99
89)	Phenanthrene	9.199	178	146237	4.730	ug/ml	99
90)	Anthracene	9.252	178	147689	4.883	ug/ml	99
91)	Carbazole	9.416	167	136779	4.939	ug/ml	98
92)	Di-n-butylphthalate	9.799	149	155812	5.157	ug/ml	100
93)	Fluoranthene	10.357	202	178241M3	4.969	ug/ml	
94)	Benzidine	10.504	184	99975	5.069	ug/ml#	96
95)	Pyrene	10.575	202	194546	5.116	ug/ml	99
97)	Butyl benzyl phthalate	11.281	149	65418	4.894	ug/ml	93
105)	Benzo(a)anthracene	11.816	228	199667	4.863	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.810	252	74502	4.982	ug/ml#	97
107)	Chrysene	11.851	228	192294	4.778	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.916	149	107331	5.257	ug/ml#	98
109)	Di-n-octylphthalate	12.598	149	166682	5.328	ug/ml	97
110)	Benzo(b)fluoranthene	12.922	252	206155	4.896	ug/ml#	95
111)	Benzo(k)fluoranthene	12.951	252	190009M3	4.944	ug/ml	
112)	Benzo(a)pyrene	13.240	252	184465	5.021	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.292	276	184779M6	4.599	ug/mL	
115)	Dibenzo(a,h)anthracene	14.316	278	192344	5.012	ug/ml#	91
116)	Benzo(ghi)perylene	14.557	276	178871	4.619	ug/ml#	92

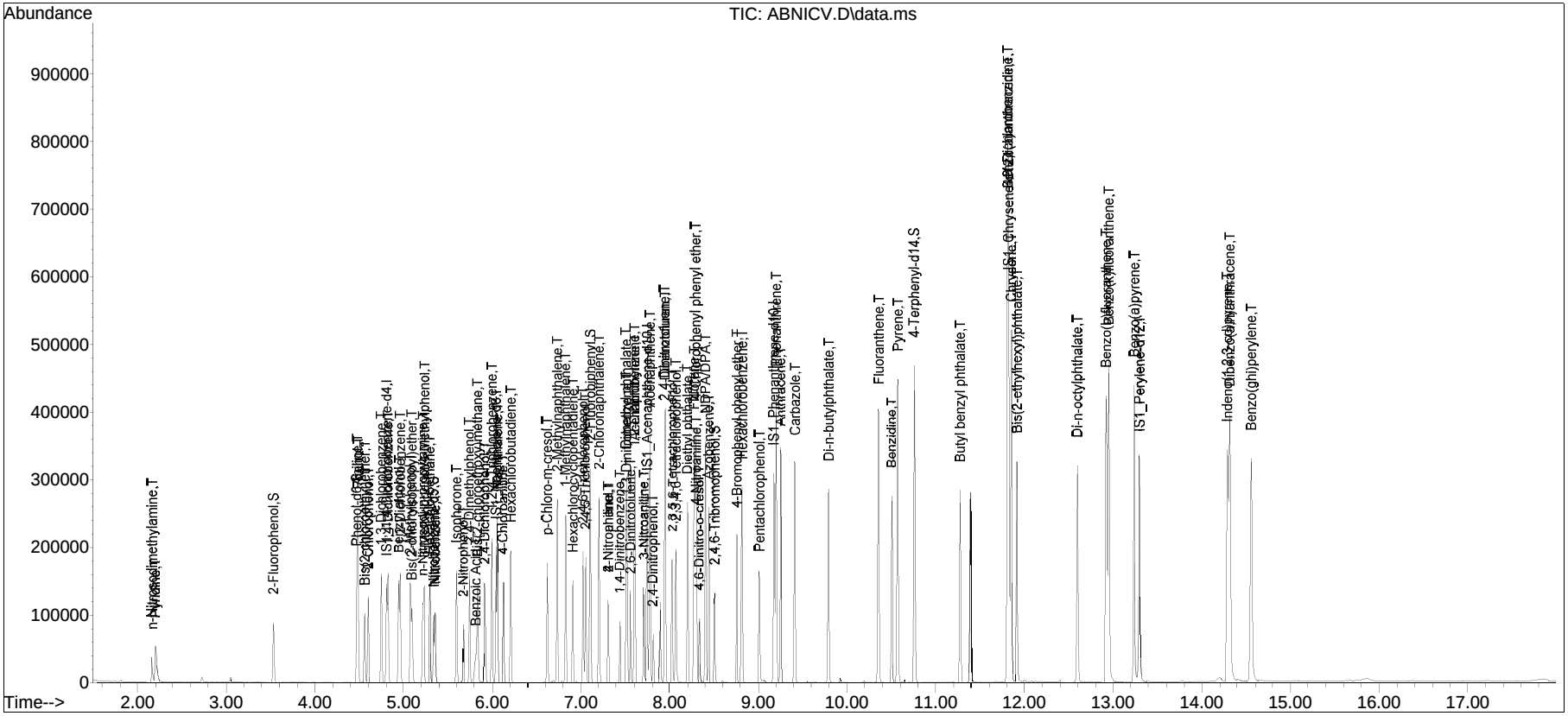
(#) = qualifier out of range (m) = manual integration (+) = signals summed

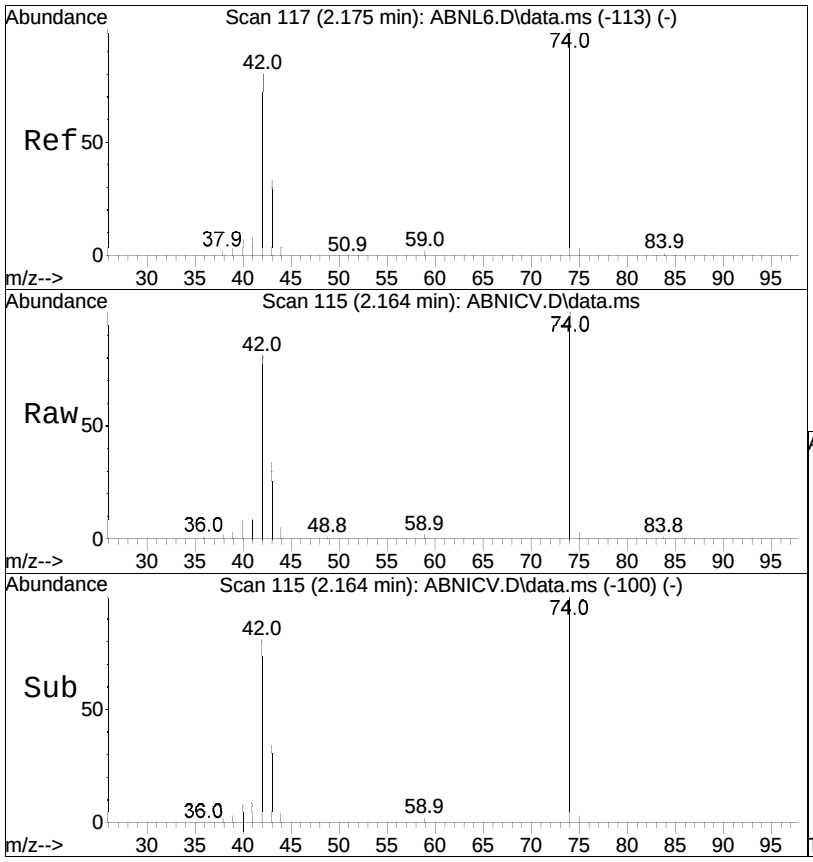
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

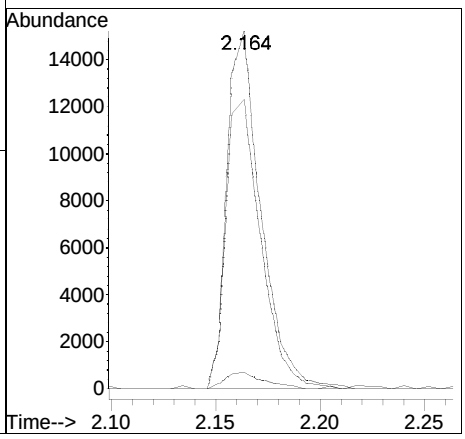


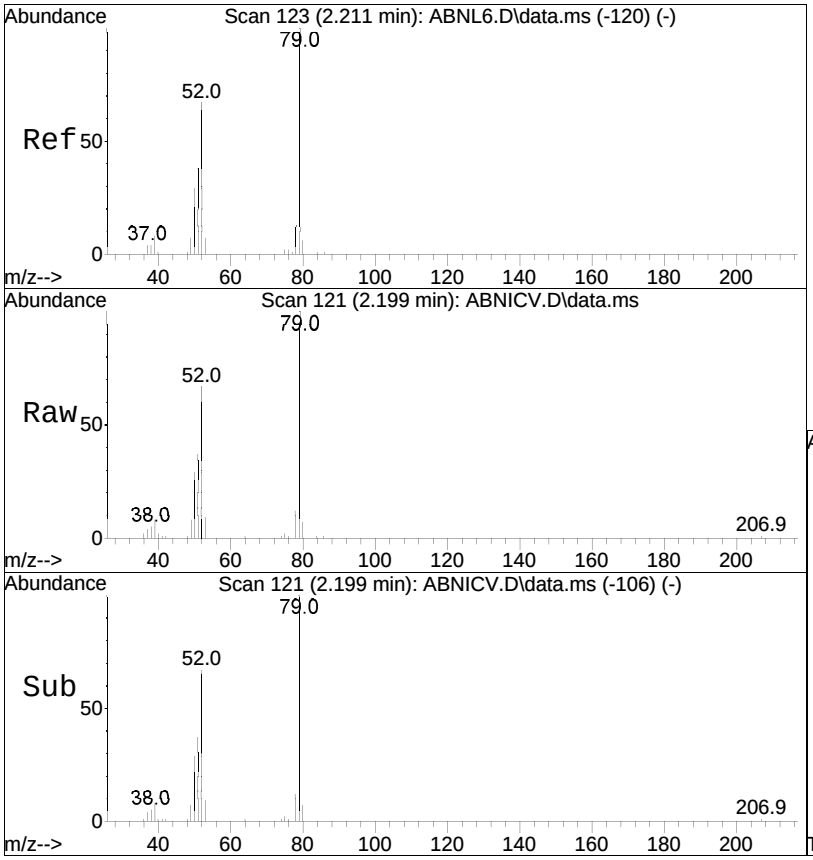


#2
n-Nitrosodimethylamine
Concen: 5.03 ug/ml
RT: 2.164 min Scan# 115
Delta R.T. -0.011 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 74 Resp: 17024

Ion	Ratio	Lower	Upper
74	100		
42	83.3	63.8	95.8
44	5.5	4.3	6.5

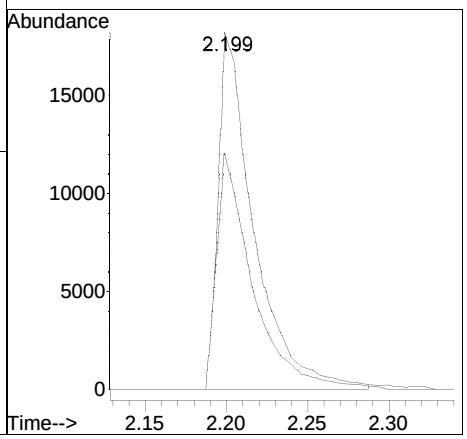


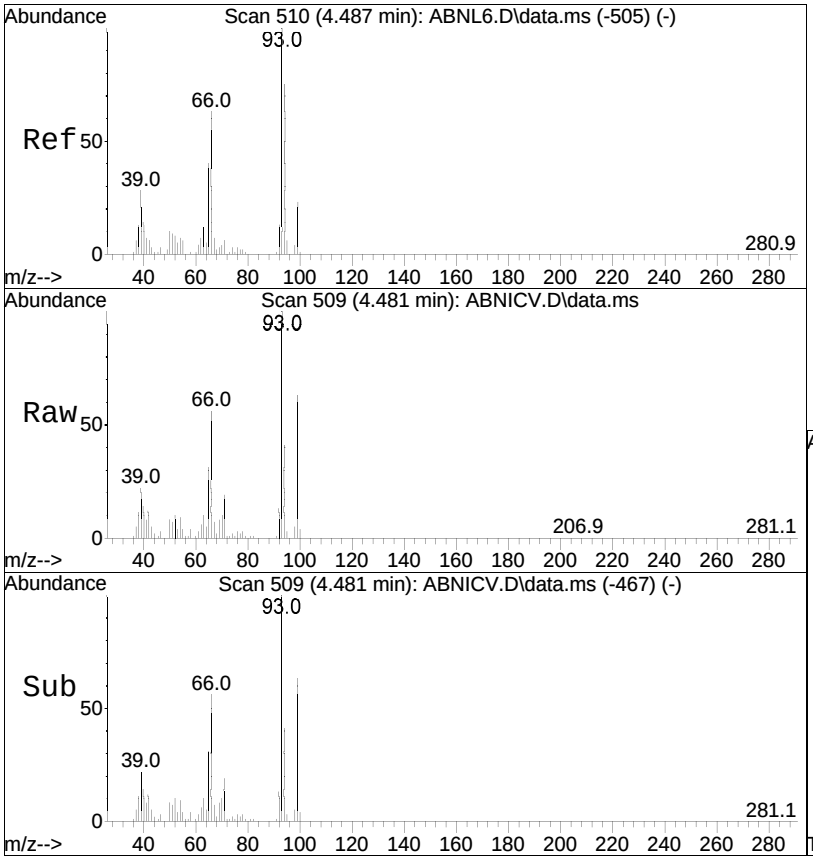


#3
Pyridine
Concen: 5.17 ug/ml
RT: 2.199 min Scan# 121
Delta R.T. -0.012 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 79 Resp: 27737

Ion	Ratio	Lower	Upper
79	100		
52	66.5	64.6	96.8

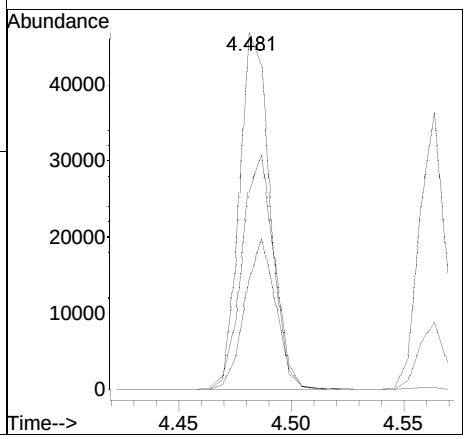


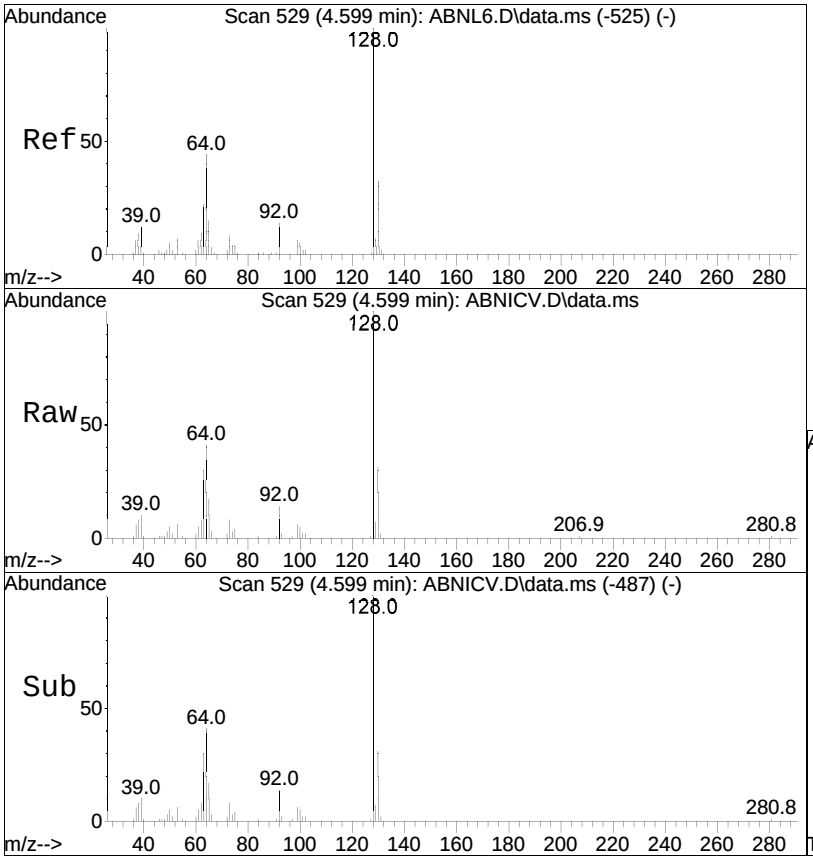


#5
Aniline
Concen: 4.71 ug/ml
RT: 4.481 min Scan# 509
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 93 Resp: 43964

Ion	Ratio	Lower	Upper
93	100		
66	70.6	31.3	46.9#
65	43.3	16.6	25.0#

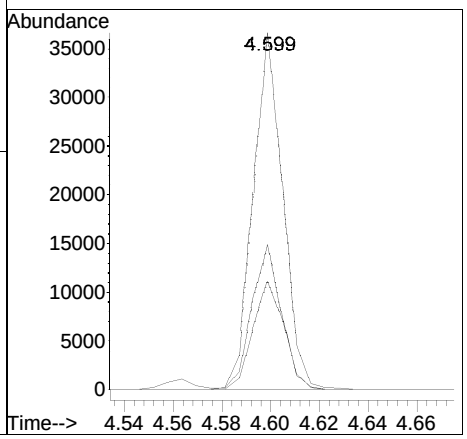


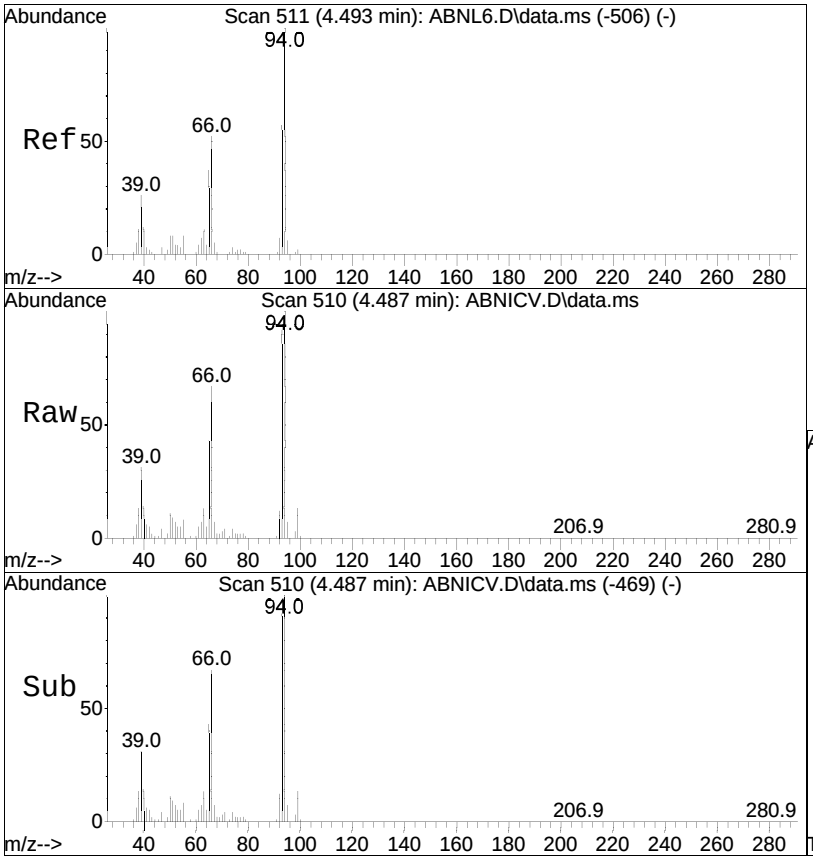


#6
2-Chlorophenol
Concen: 4.77 ug/ml
RT: 4.599 min Scan# 529
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:128 Resp: 30731

Ion	Ratio	Lower	Upper
128	100		
64	40.6	38.2	57.4
130	31.9	26.2	39.2

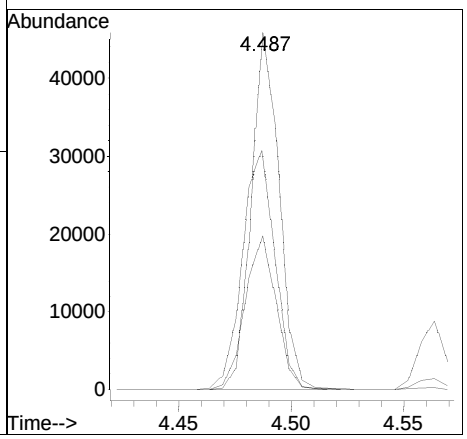


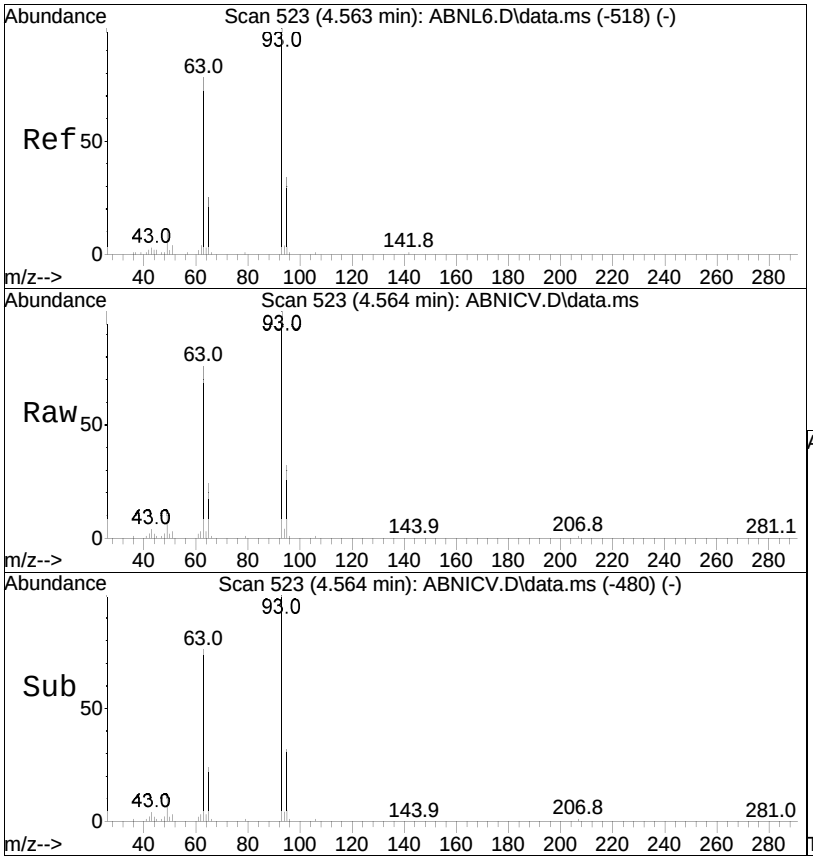


#8
Phenol
Concen: 4.86 ug/ml
RT: 4.487 min Scan# 510
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 94 Resp: 39494

Ion	Ratio	Lower	Upper
94	100		
65	48.2	23.0	34.6#
66	78.6	32.1	48.1#

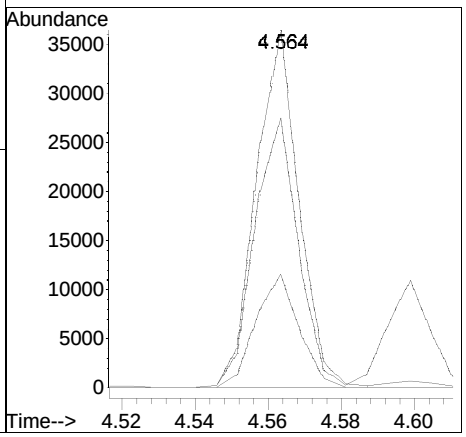


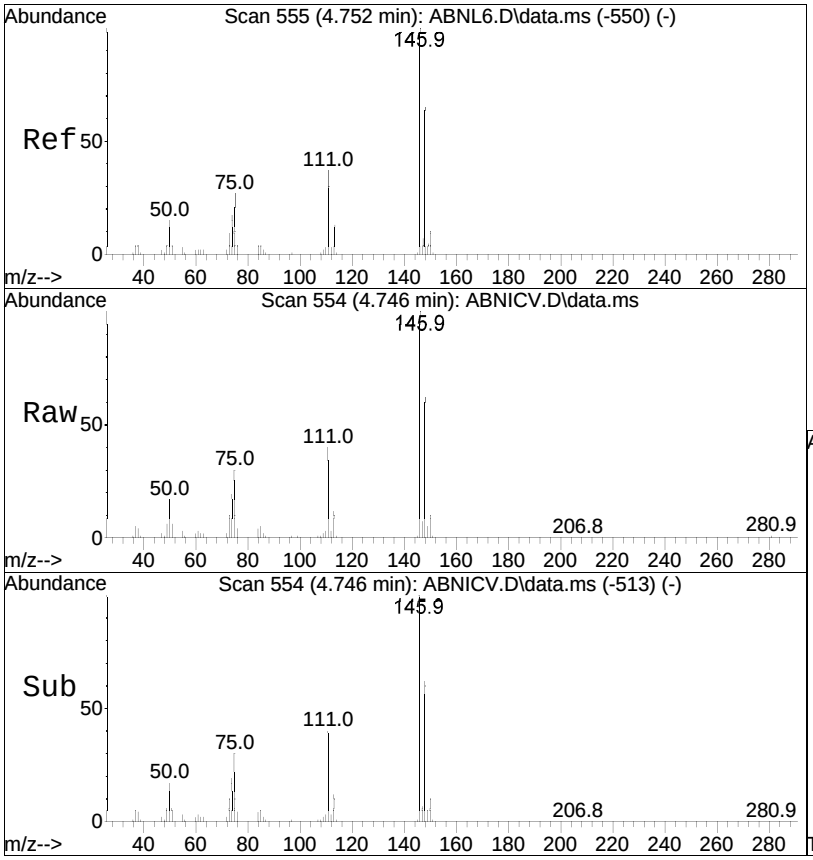


#9
Bis(2-chloroethyl)ether
Concen: 4.89 ug/ml
RT: 4.564 min Scan# 523
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 93 Resp: 29416

Ion	Ratio	Lower	Upper
93	100		
63	77.3	67.0	100.4
95	32.2	26.1	39.1

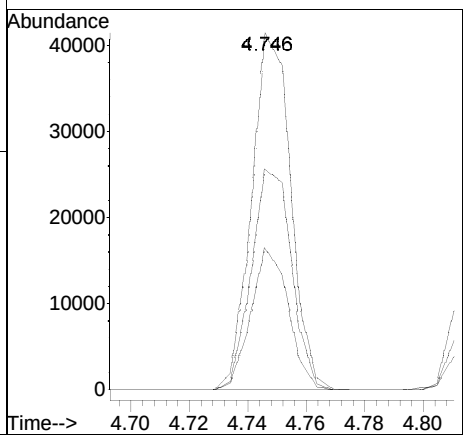


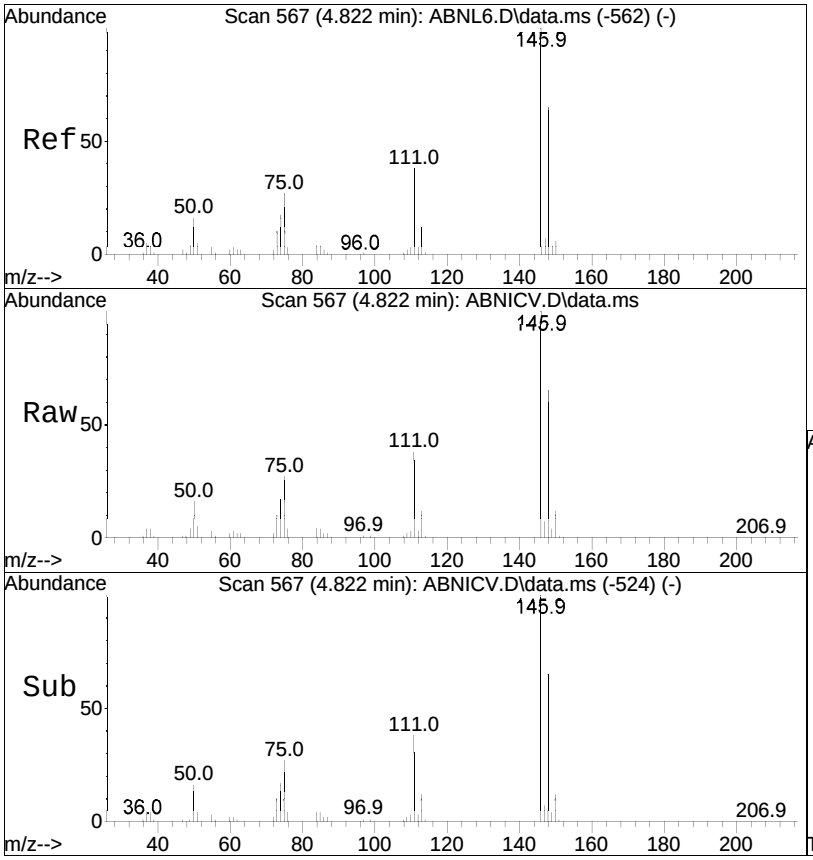


#10
1,3-Dichlorobenzene
Concen: 4.91 ug/ml
RT: 4.746 min Scan# 554
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:146 Resp: 38166

Ion	Ratio	Lower	Upper
146	100		
111	38.5	35.0	52.4
148	63.7	51.3	76.9

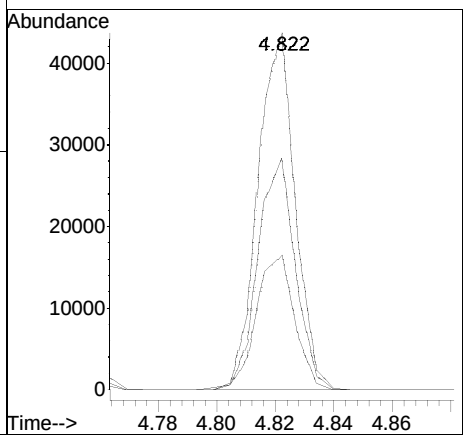


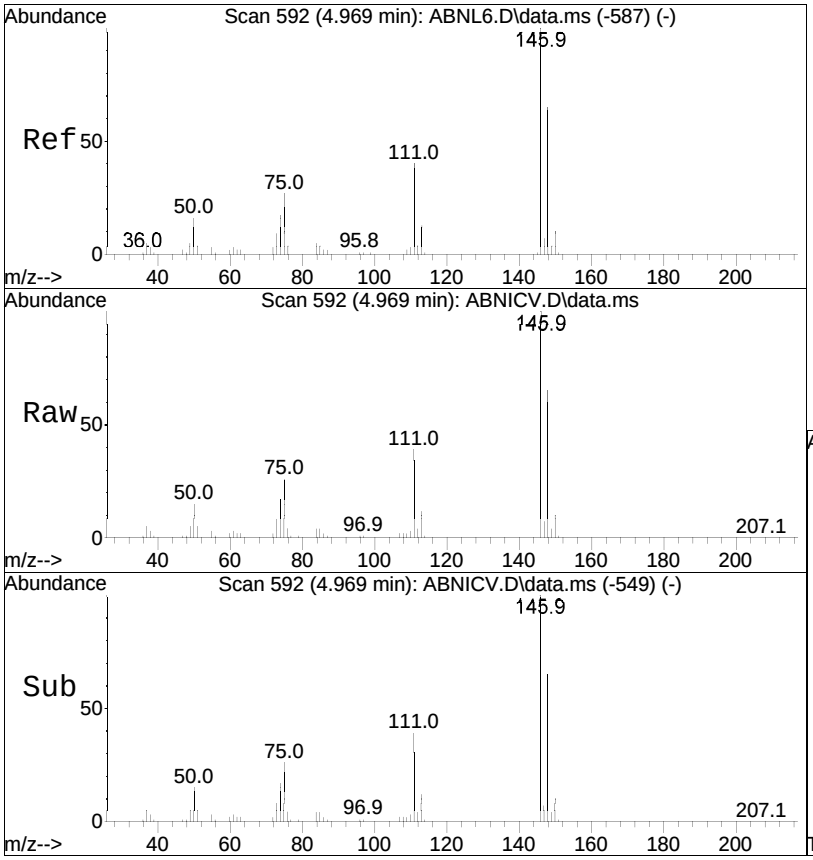


#11
1,4-Dichlorobenzene
Concen: 4.72 ug/ml
RT: 4.822 min Scan# 567
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:146 Resp: 38281

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.1	76.7
111	39.3	34.4	51.6

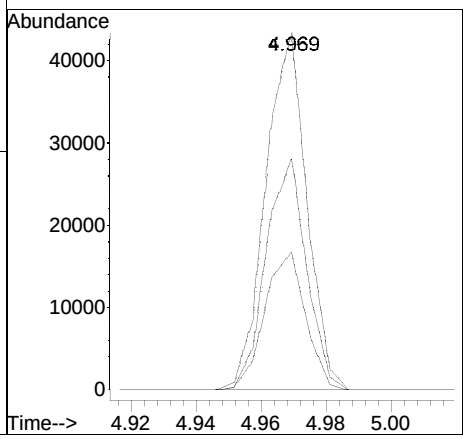


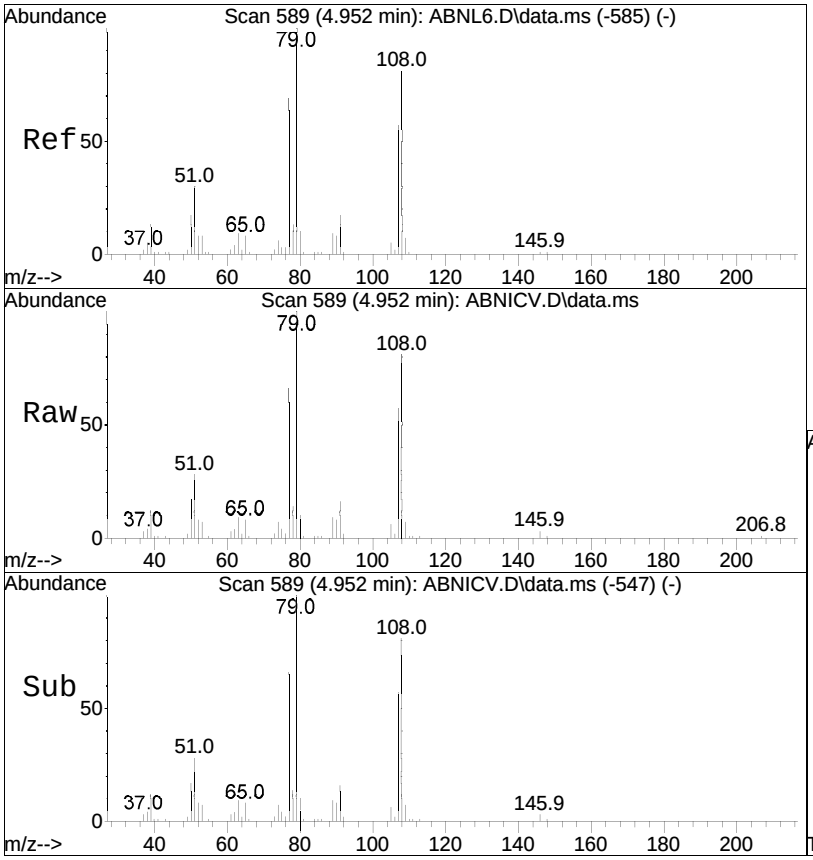


#12
1,2-Dichlorobenzene
Concen: 4.96 ug/ml
RT: 4.969 min Scan# 592
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:146 Resp: 37717

Ion	Ratio	Lower	Upper
146	100		
111	38.6	35.5	53.3
148	63.9	50.6	76.0

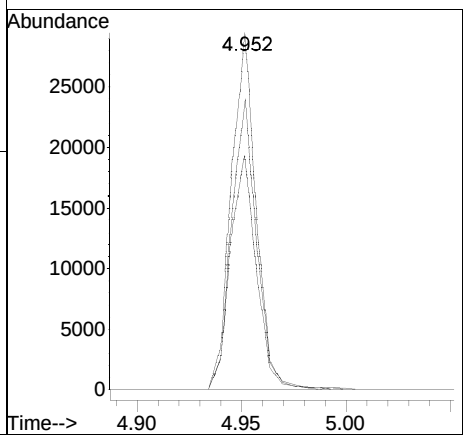


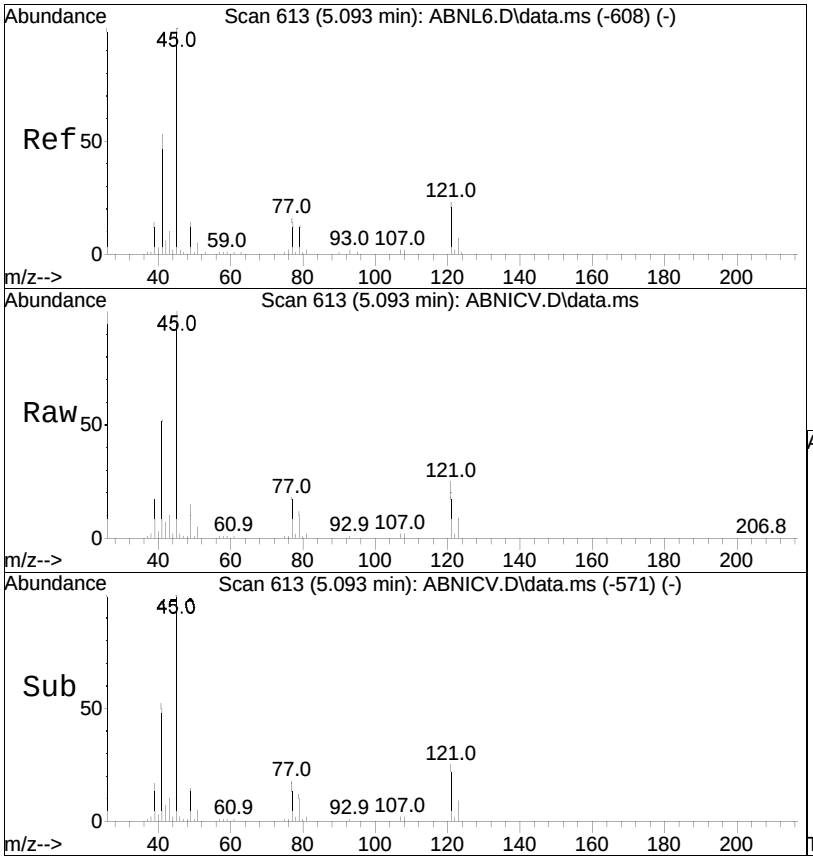


#13
Benzyl alcohol
Concen: 5.00 ug/ml
RT: 4.952 min Scan# 589
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 79 Resp: 24307

Ion	Ratio	Lower	Upper
79	100		
77	68.9	51.8	77.6
108	82.2	63.9	95.9

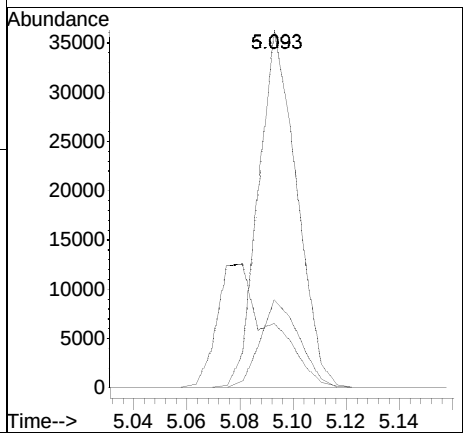


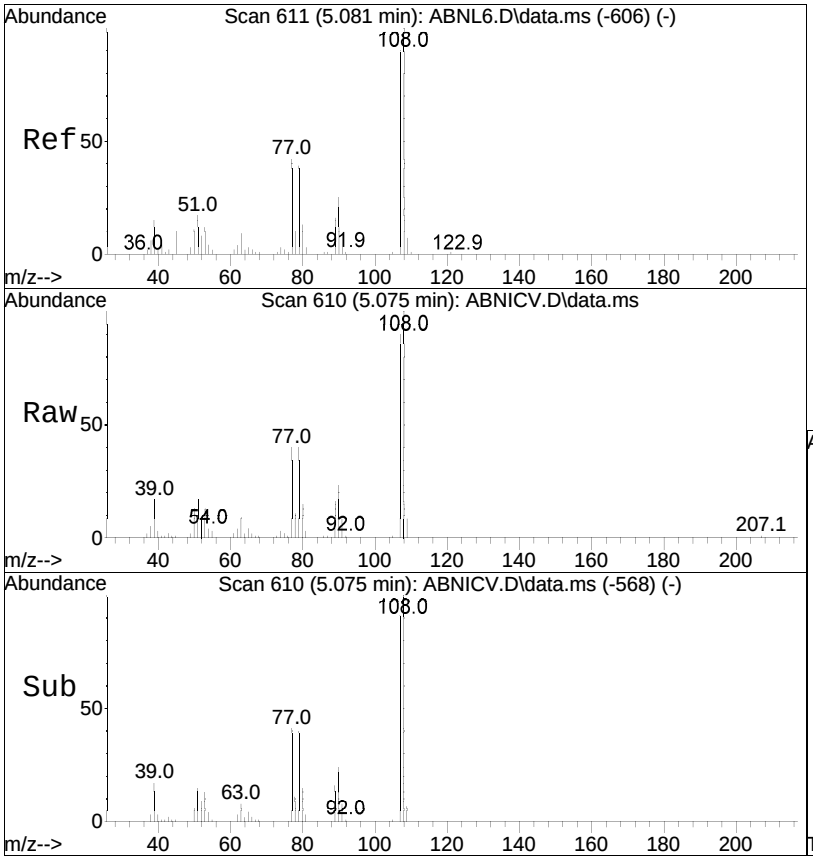


#14
Bis(2-chloroisopropyl)ether
Concen: 4.74 ug/ml
RT: 5.093 min Scan# 613
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 45 Resp: 35963

Ion	Ratio	Lower	Upper
45	100		
121	25.1	14.8	22.2#
77	48.1	10.5	15.7#

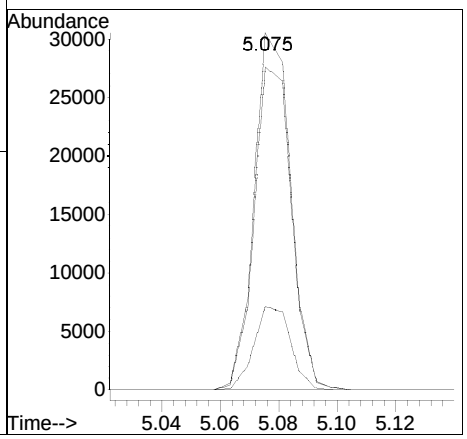


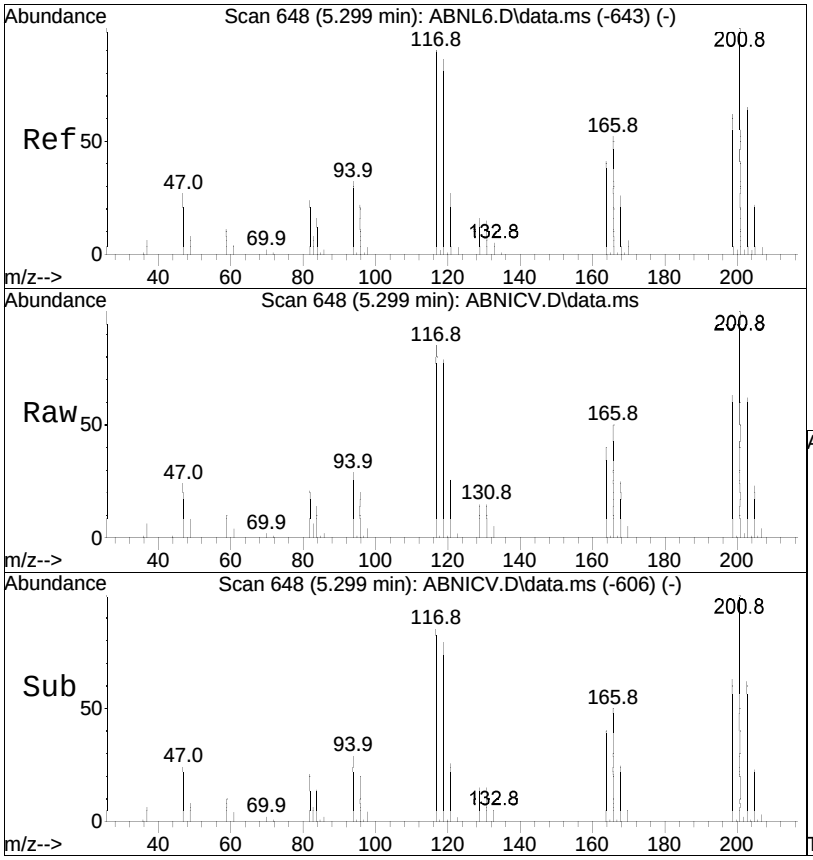


#15
2-Methylphenol
Concen: 4.87 ug/ml
RT: 5.075 min Scan# 610
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:108 Resp: 26511

Ion	Ratio	Lower	Upper
108	100		
107	92.3	71.0	106.4
90	23.5	19.7	29.5

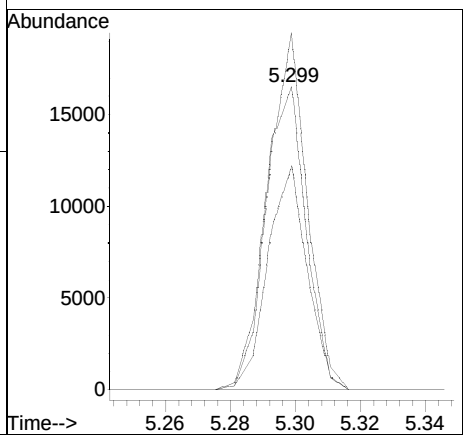


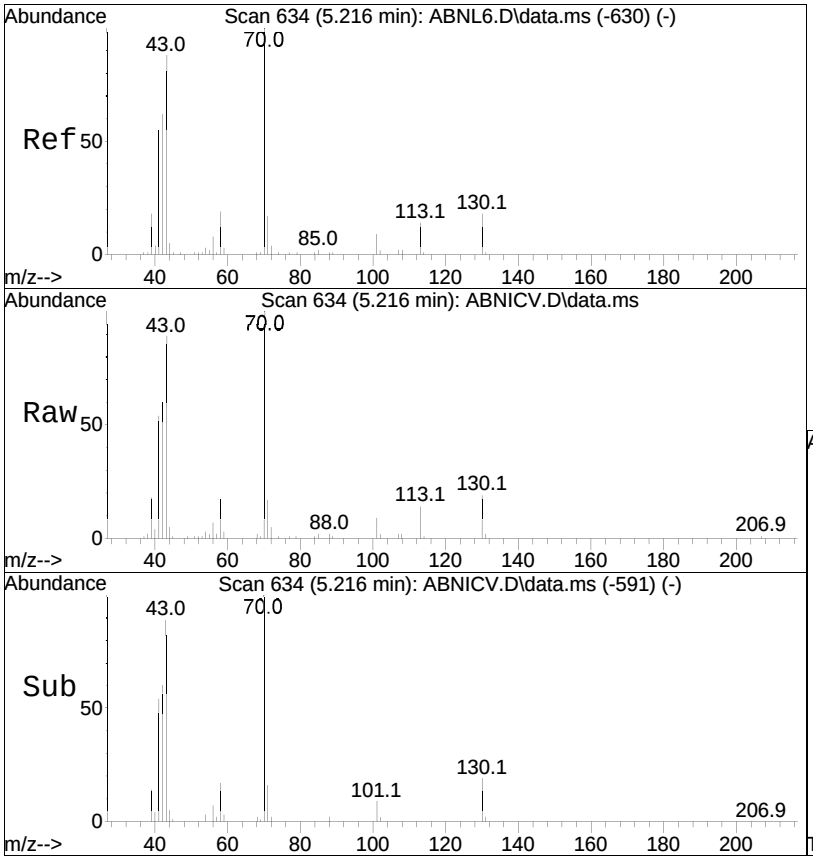


#16
Hexachloroethane
Concen: 5.10 ug/ml
RT: 5.299 min Scan# 648
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:117 Resp: 14641

Ion	Ratio	Lower	Upper
117	100		
201	109.8	64.4	96.6#
199	70.3	40.5	60.7#

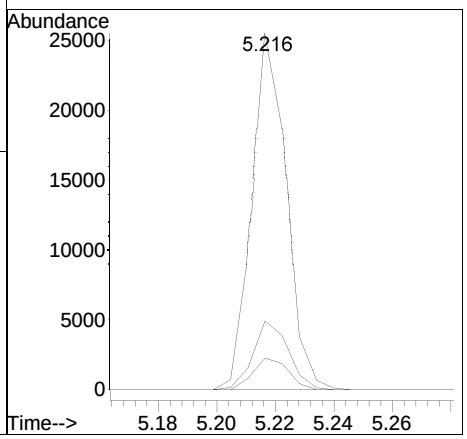


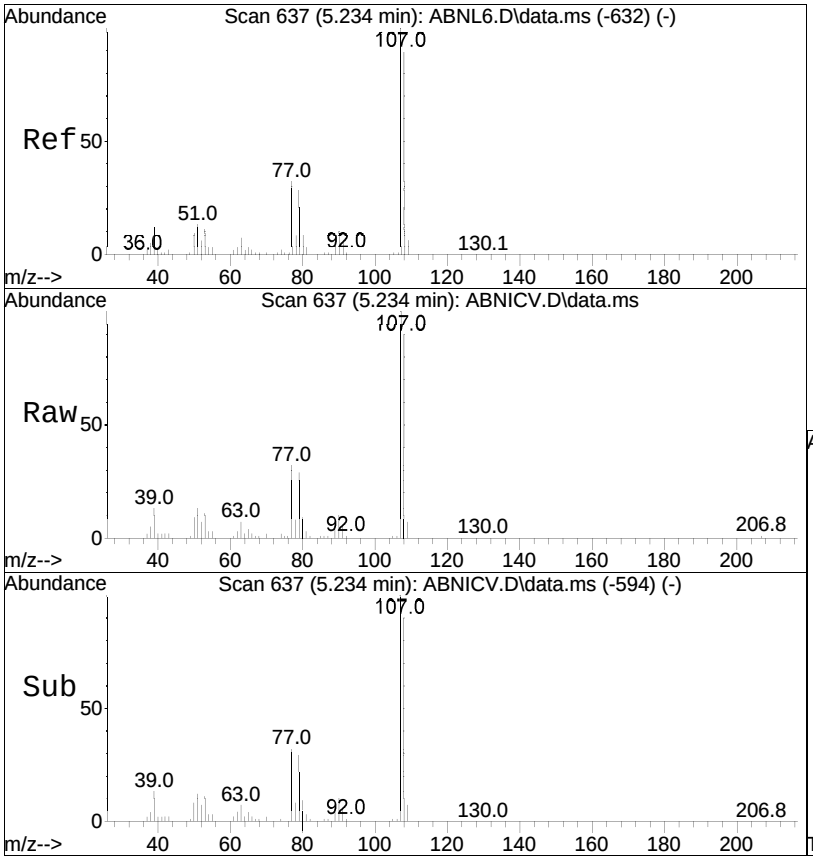


#17
n-Nitrosodi-n-propylamine
Concen: 4.68 ug/ml
RT: 5.216 min Scan# 634
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 70 Resp: 20852

Ion	Ratio	Lower	Upper
70	100		
130	19.7	16.2	24.4
101	9.1	7.6	11.4

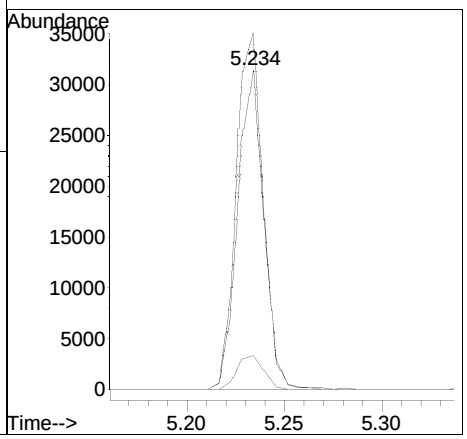


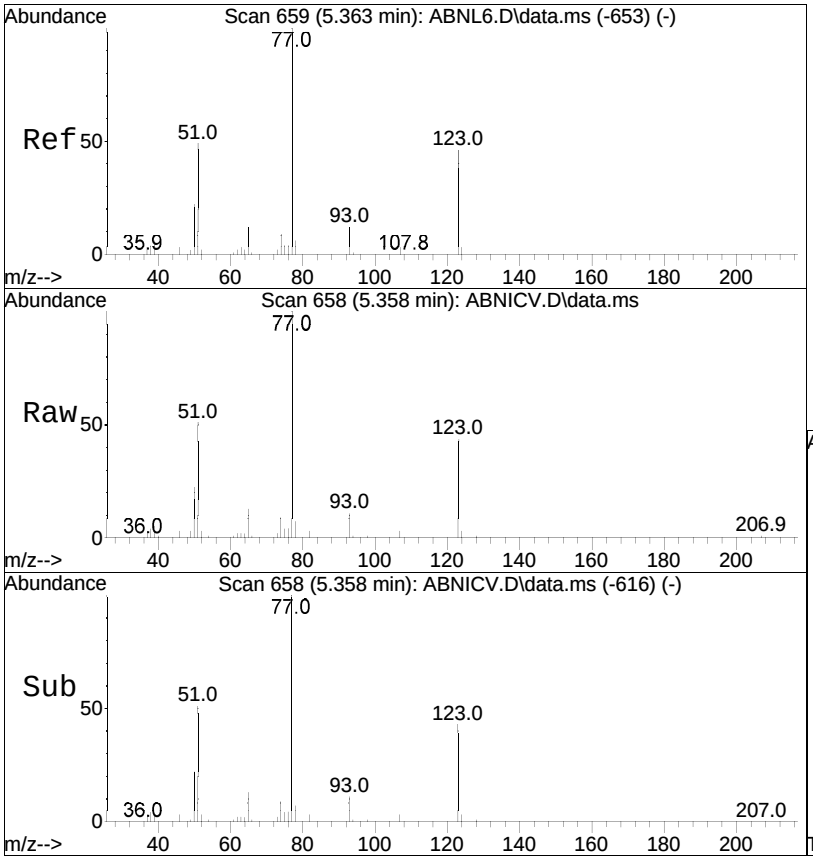


#18
3-Methylphenol/4-Methylphenol
Concen: 4.93 ug/ml
RT: 5.234 min Scan# 637
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:108 Resp: 29223

Ion	Ratio	Lower	Upper
108	100		
107	114.7	88.8	133.2
90	10.8	9.0	13.6

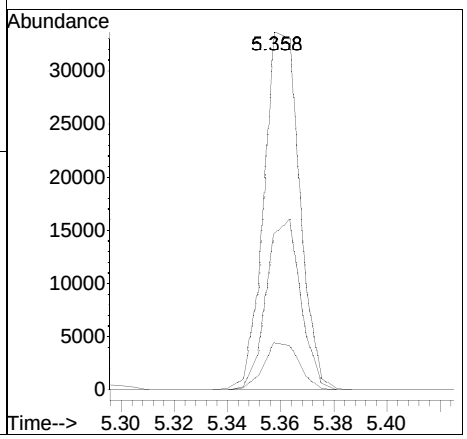


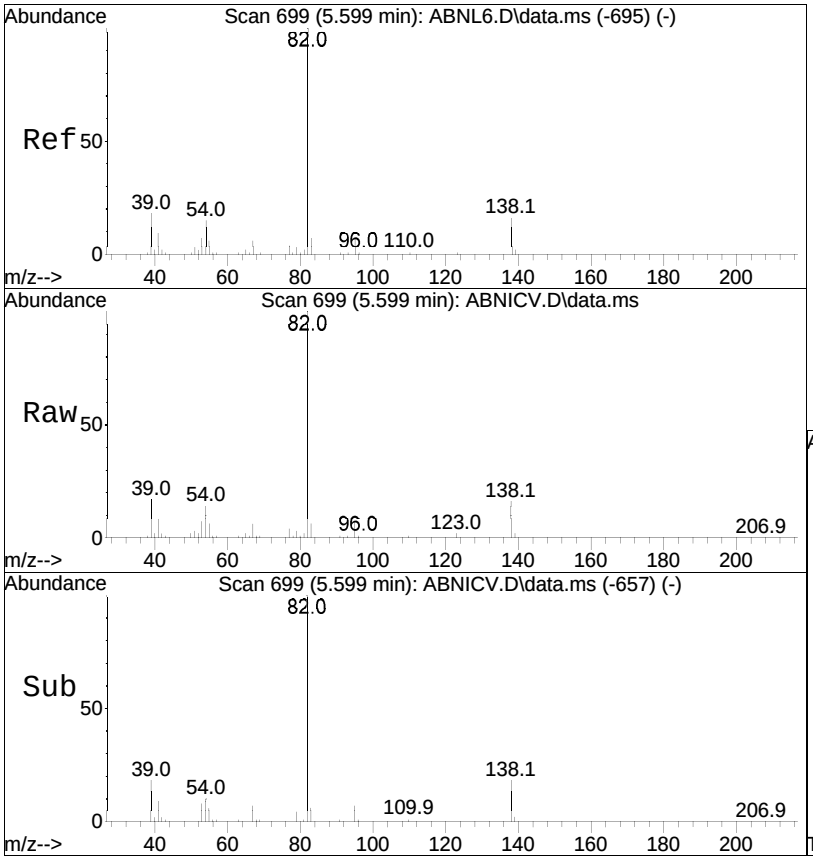


#20
Nitrobenzene
Concen: 4.69 ug/ml
RT: 5.358 min Scan# 658
Delta R.T. -0.005 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 77 Resp: 31148

Ion	Ratio	Lower	Upper
77	100		
123	46.0	37.3	55.9
65	13.3	10.9	16.3

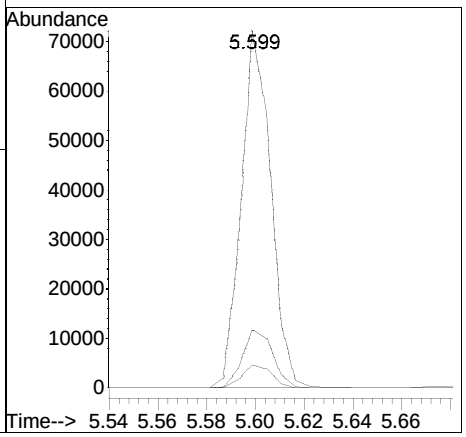


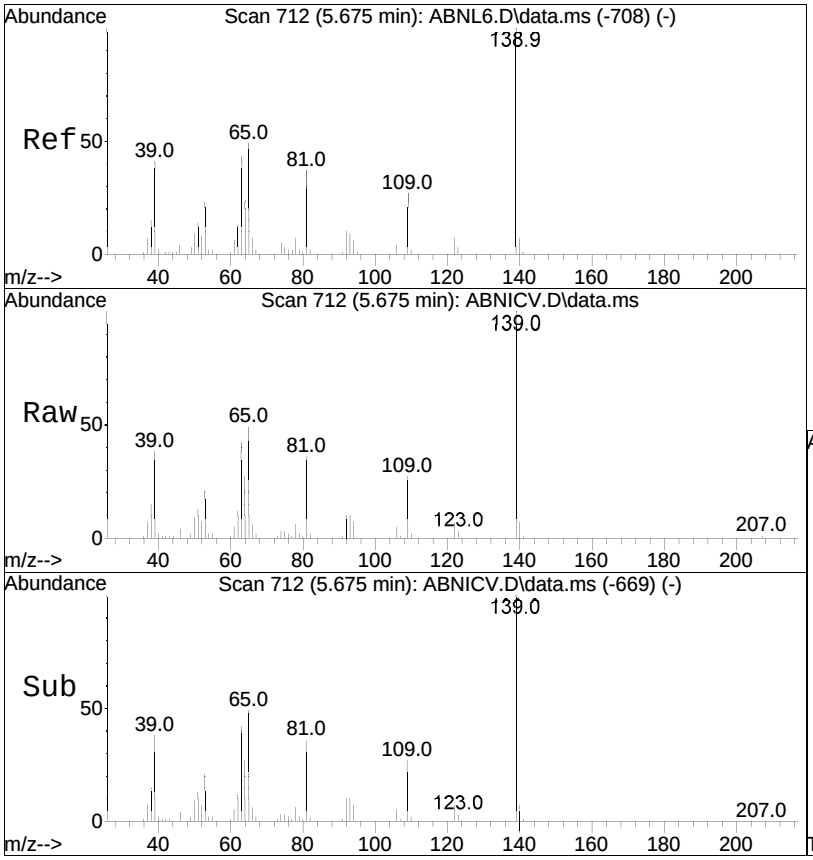


#21
Isophorone
Concen: 5.00 ug/ml
RT: 5.599 min Scan# 699
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 82 Resp: 59999

Ion	Ratio	Lower	Upper
82	100		
138	16.8	13.0	19.4
95	6.6	5.5	8.3

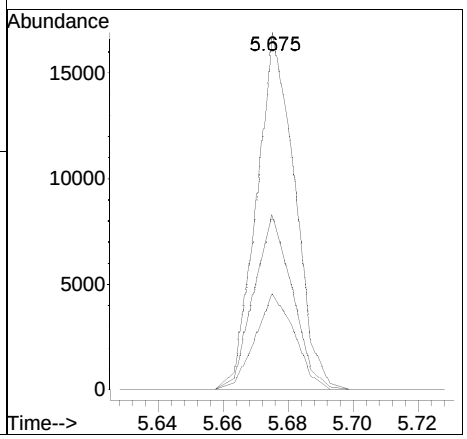


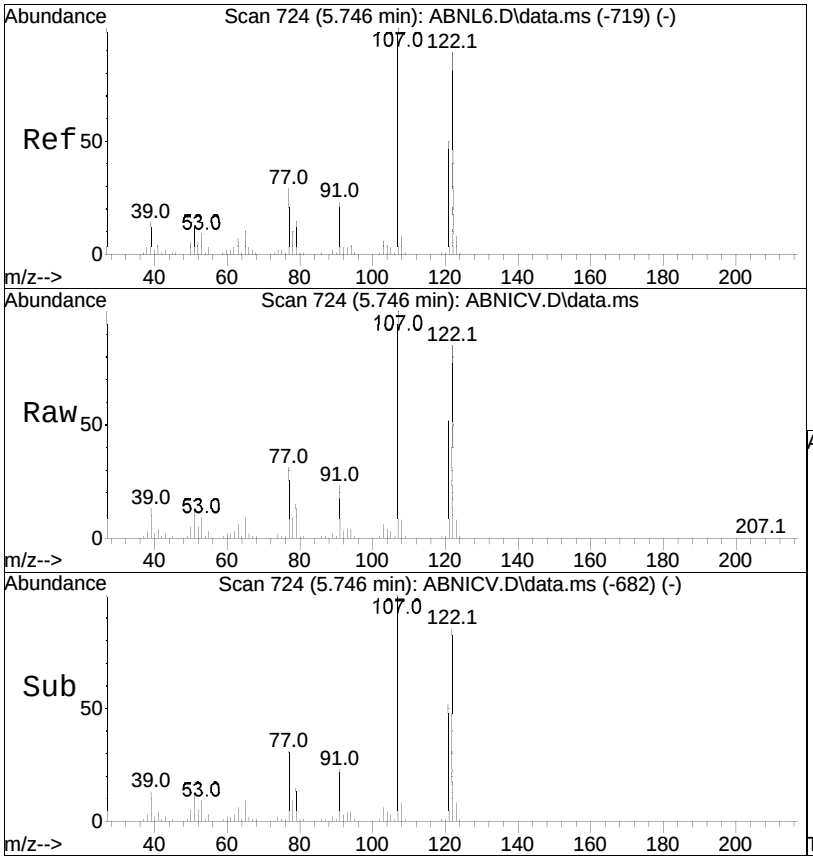


#22
2-Nitrophenol
Concen: 4.62 ug/ml
RT: 5.675 min Scan# 712
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:139 Resp: 13664

Ion	Ratio	Lower	Upper
139	100		
109	27.9	23.1	34.7
65	49.8	41.4	62.2

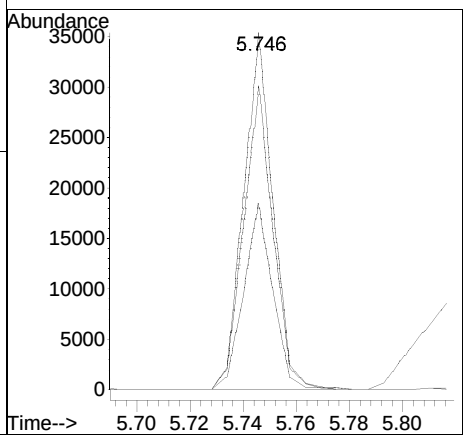


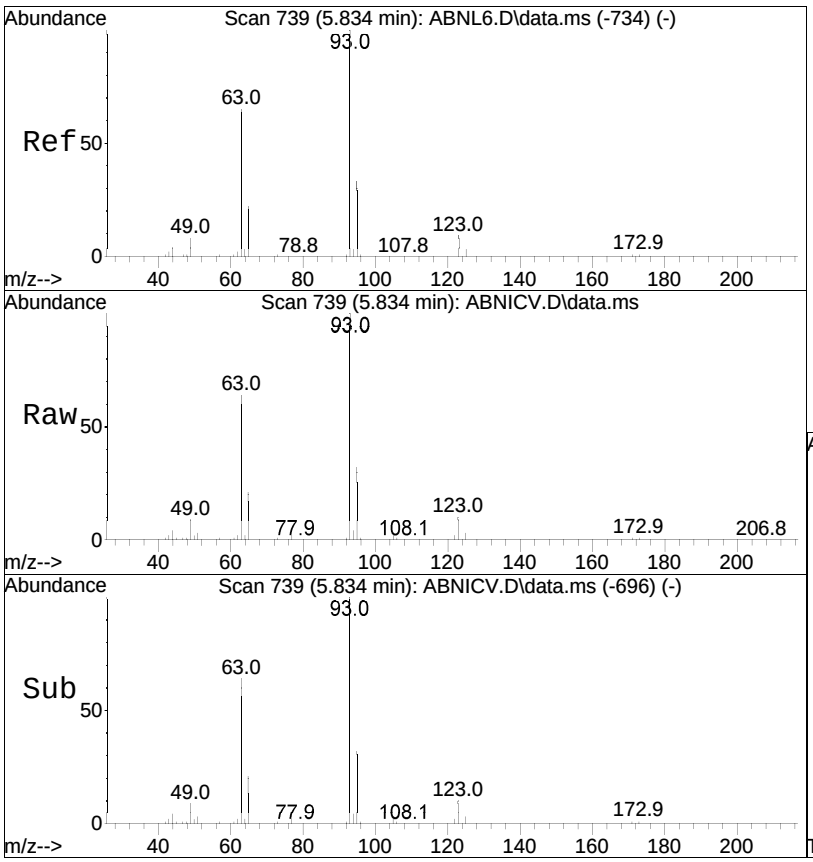


#23
2,4-Dimethylphenol
Concen: 4.72 ug/ml
RT: 5.746 min Scan# 724
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:107 Resp: 26791

Ion	Ratio	Lower	Upper
107	100		
121	52.0	41.3	61.9
122	85.8	69.3	103.9

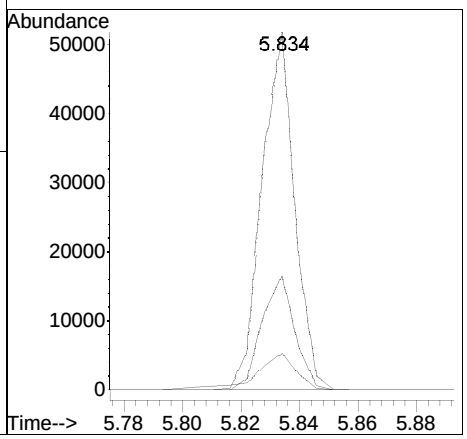


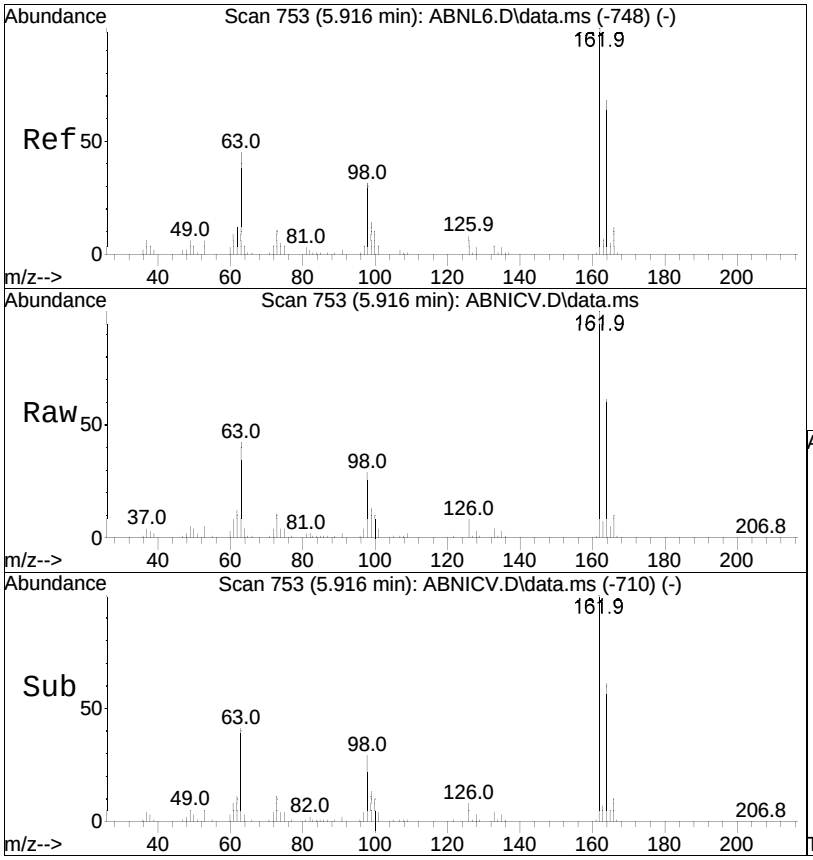


#24
Bis(2-chloroethoxy)methane
Concen: 4.93 ug/ml
RT: 5.834 min Scan# 739
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 93 Resp: 39785

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.8	38.8
123	12.7	9.6	14.4

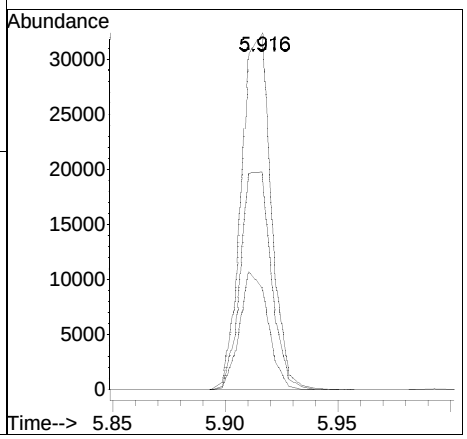


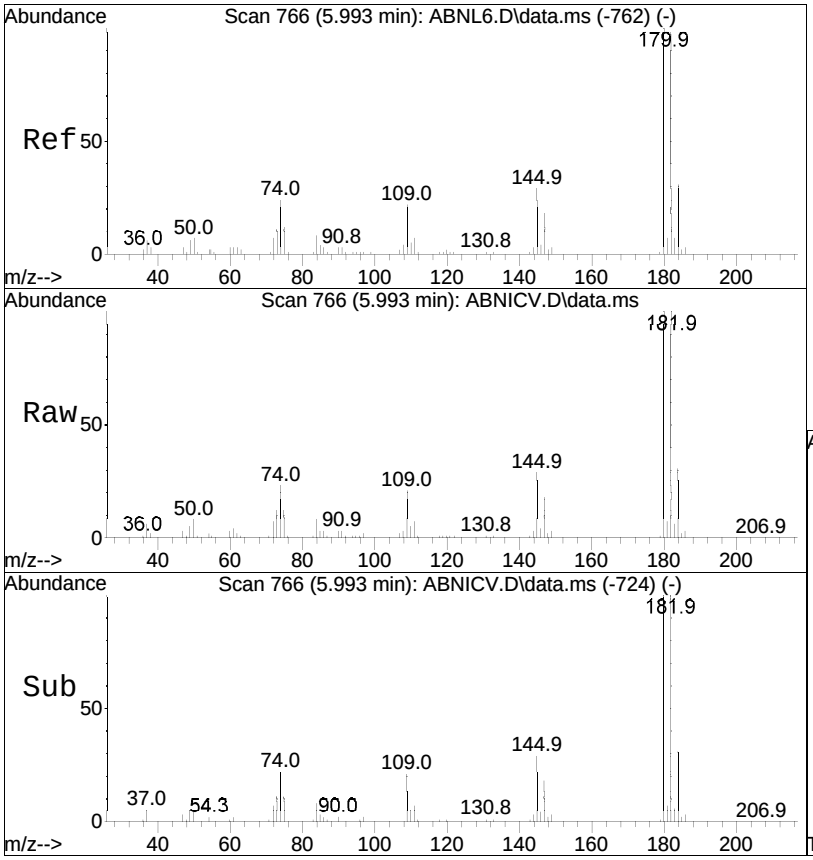


#25
2,4-Dichlorophenol
Concen: 4.99 ug/ml
RT: 5.916 min Scan# 753
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:162 Resp: 29599

Ion	Ratio	Lower	Upper
162	100		
164	62.8	51.1	76.7
98	31.7	32.2	48.2#

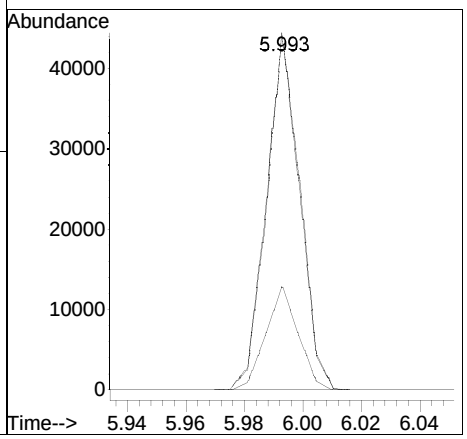


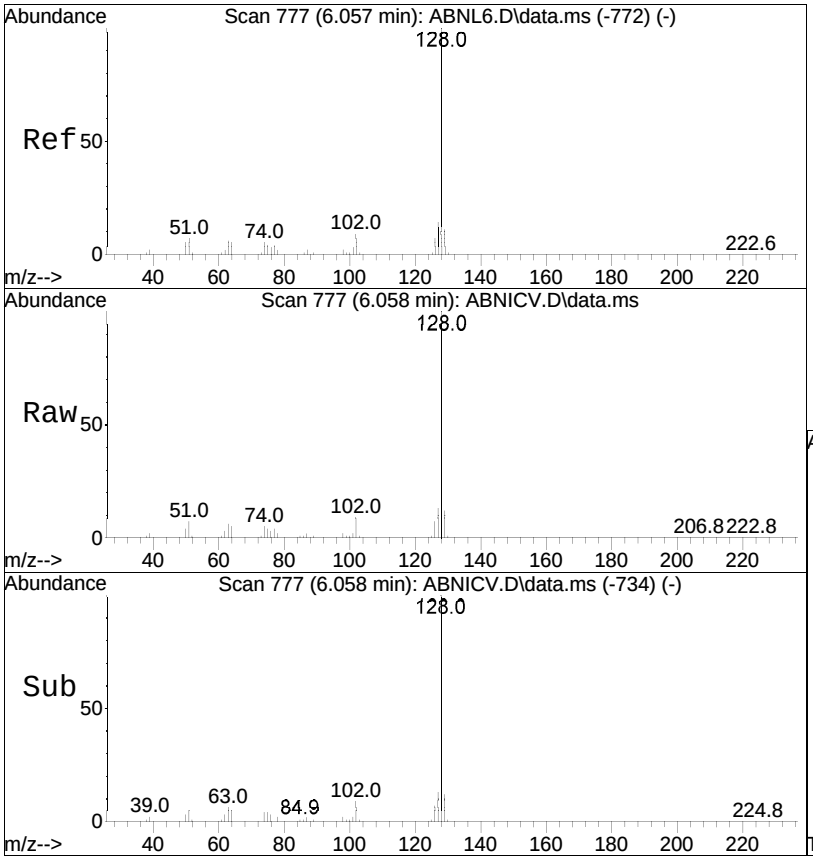


#26
1,2,4-Trichlorobenzene
Concen: 4.69 ug/ml
RT: 5.993 min Scan# 766
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:180 Resp: 35281

Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.8	113.8
145	28.1	26.3	39.5

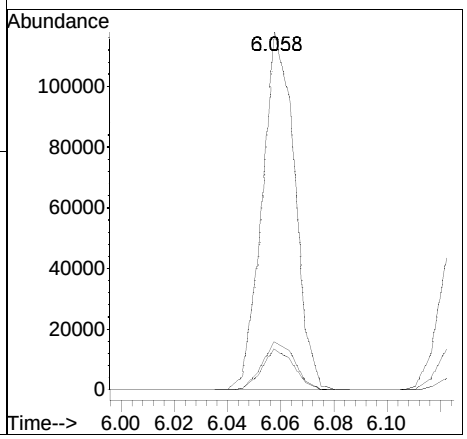


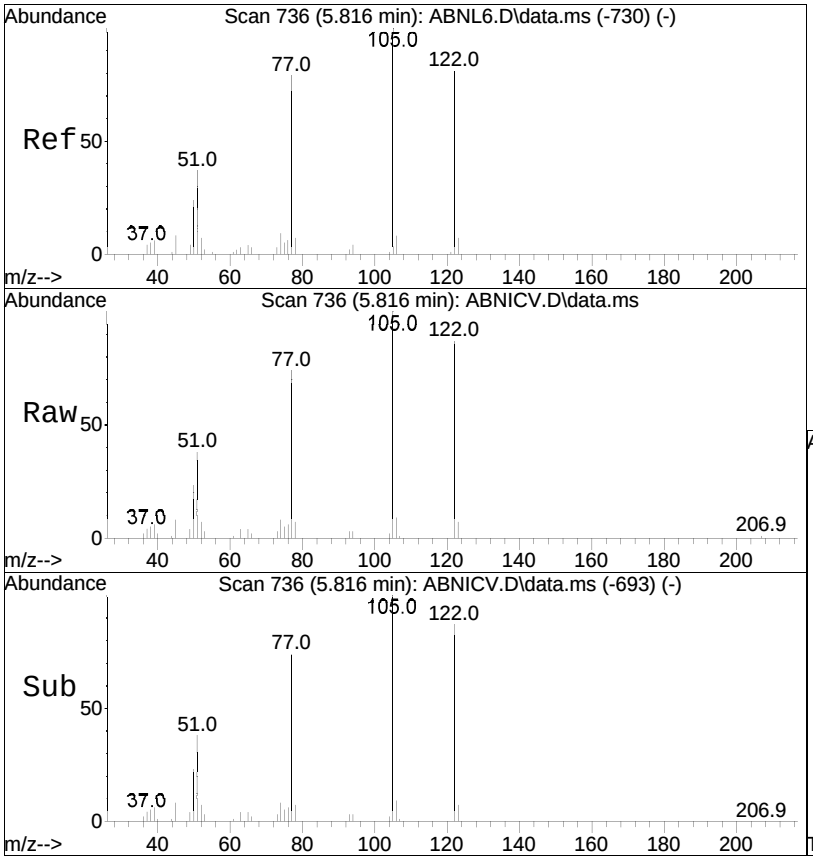


#36
Naphthalene
Concen: 4.72 ug/ml
RT: 6.058 min Scan# 777
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:128 Resp: 99432

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.6	10.6	15.8

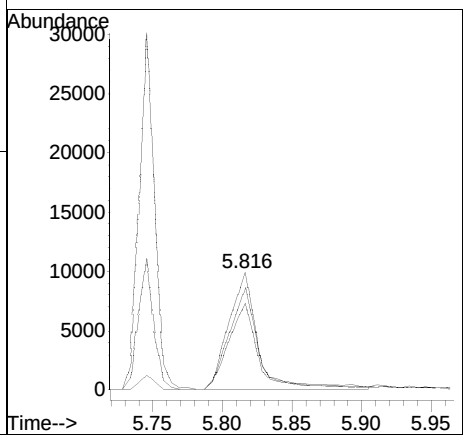


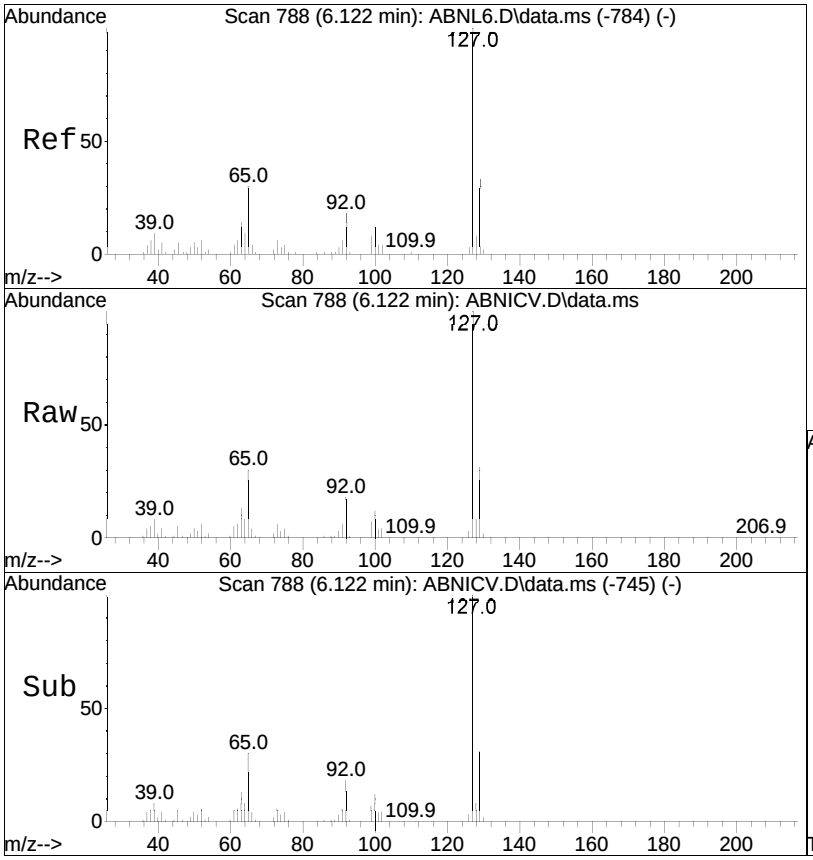


#37
Benzoic Acid
Concen: 4.28 ug/ml
RT: 5.816 min Scan# 736
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:105 Resp: 14641

Ion	Ratio	Lower	Upper
105	100		
122	86.0	62.6	93.8
77	74.5	59.1	88.7

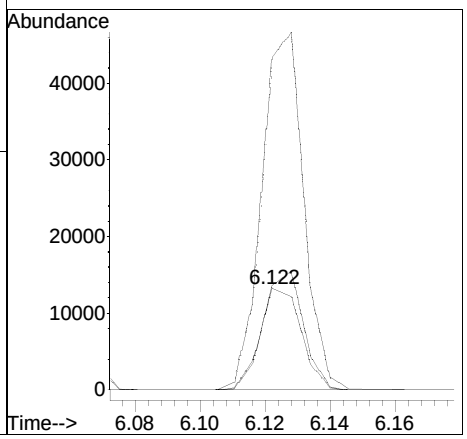


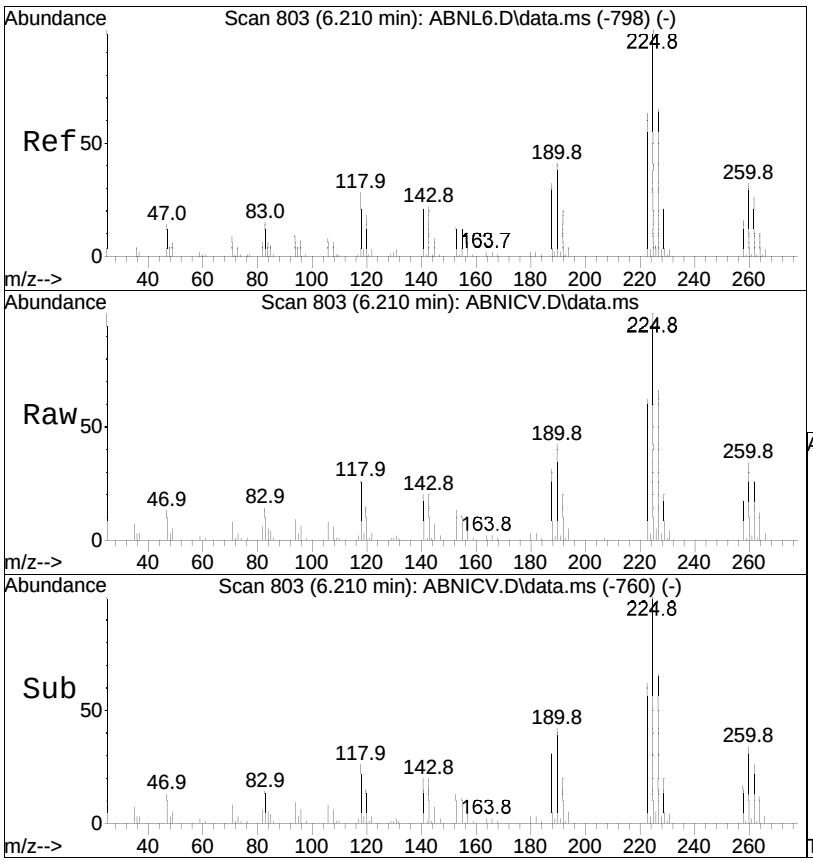


#38
4-Chloroaniline
Concen: 4.95 ug/ml
RT: 6.122 min Scan# 788
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 65 Resp: 11724

Ion	Ratio	Lower	Upper
65	100		
127	353.6	266.2	399.4
129	113.3	85.0	127.4

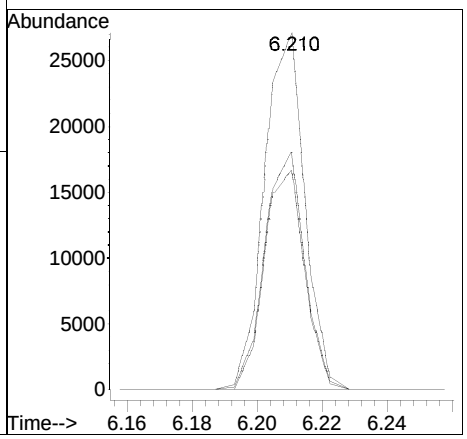


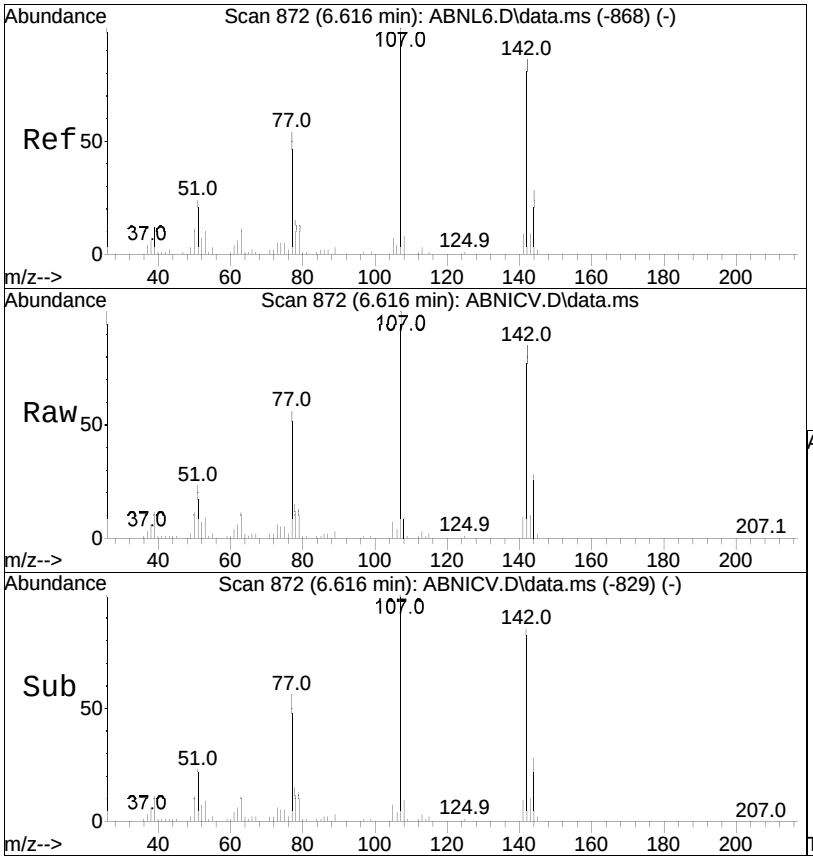


#39
Hexachlorobutadiene
Concen: 4.72 ug/ml
RT: 6.210 min Scan# 803
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:225 Resp: 23300

Ion	Ratio	Lower	Upper
225	100		
223	61.6	50.5	75.7
227	66.2	50.4	75.6

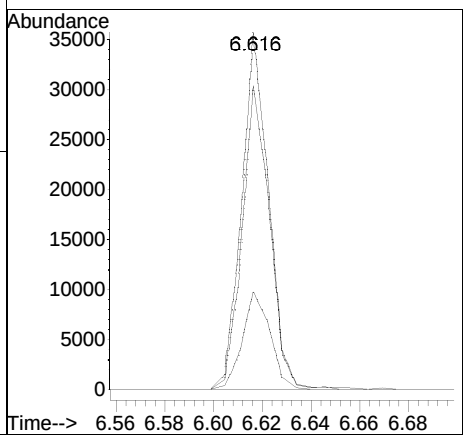


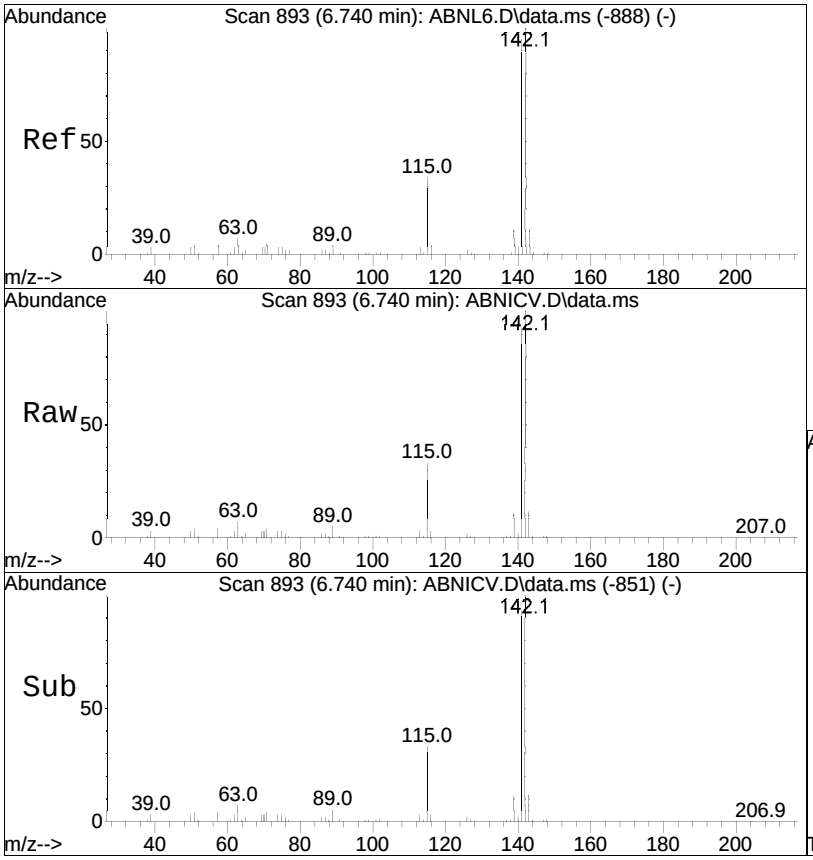


#40
p-Chloro-m-cresol
Concen: 4.89 ug/ml
RT: 6.616 min Scan# 872
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:107 Resp: 27216

Ion	Ratio	Lower	Upper
107	100		
144	28.2	20.3	30.5
142	85.9	63.8	95.6

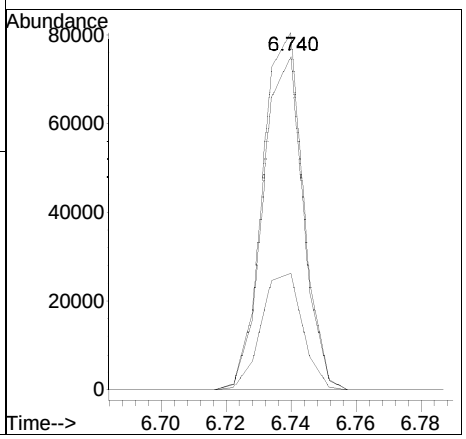


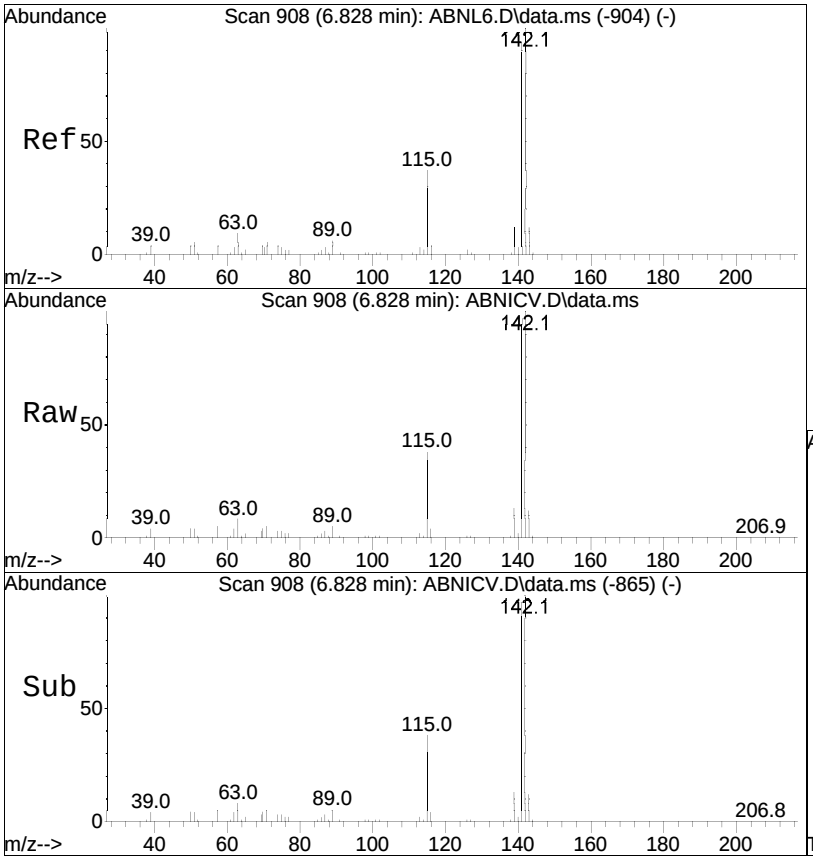


#41
2-Methylnaphthalene
Concen: 4.88 ug/ml
RT: 6.740 min Scan# 893
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:142 Resp: 69923

Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.2	108.4
115	33.2	27.8	41.6

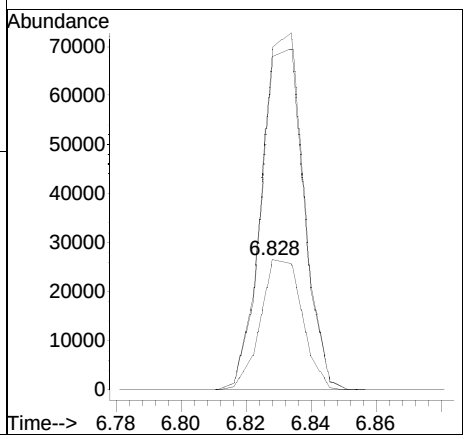


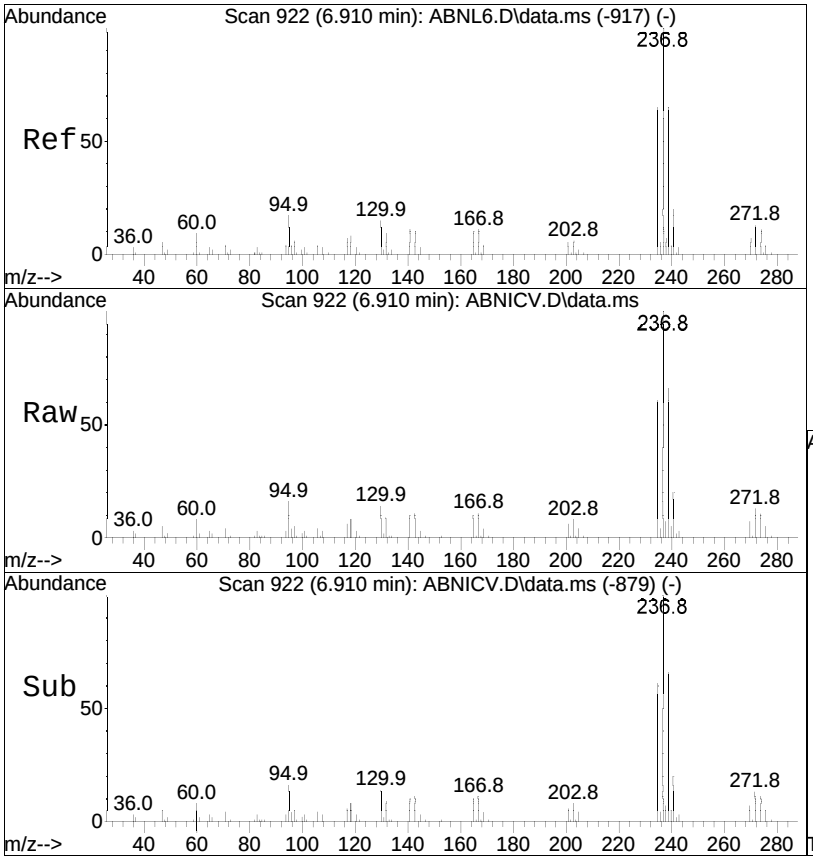


#42
1-Methylnaphthalene
Concen: 4.84 ug/ml
RT: 6.828 min Scan# 908
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:115 Resp: 23877

Ion	Ratio	Lower	Upper
115	100		
141	264.8	205.4	308.2
142	275.6	220.2	330.4

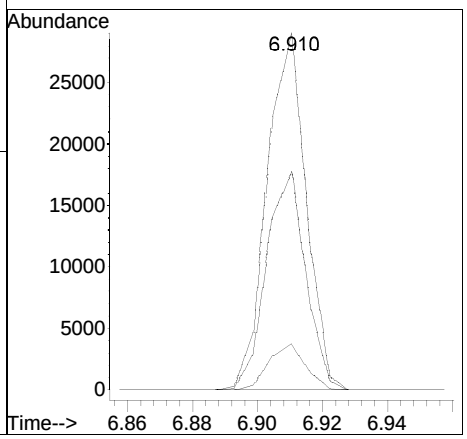


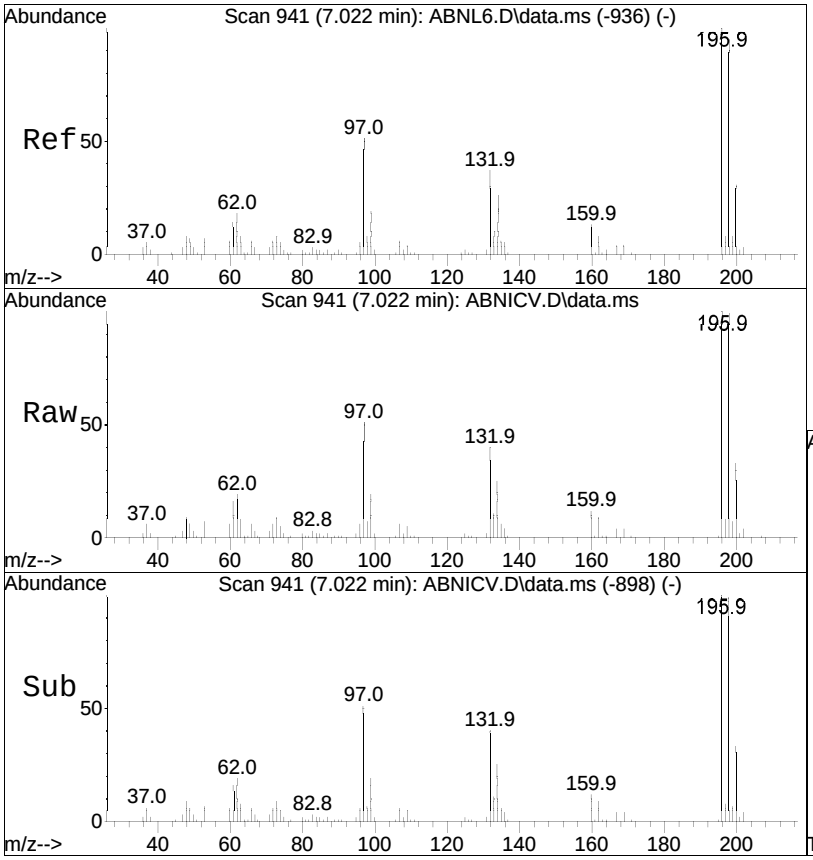


#43
Hexachlorocyclopentadiene
Concen: 4.80 ug/ml
RT: 6.910 min Scan# 922
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:237 Resp: 24201

Ion	Ratio	Lower	Upper
237	100		
235	61.5	50.9	76.3
272	12.2	10.1	15.1

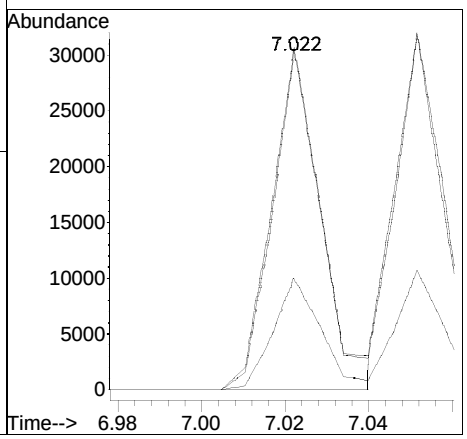


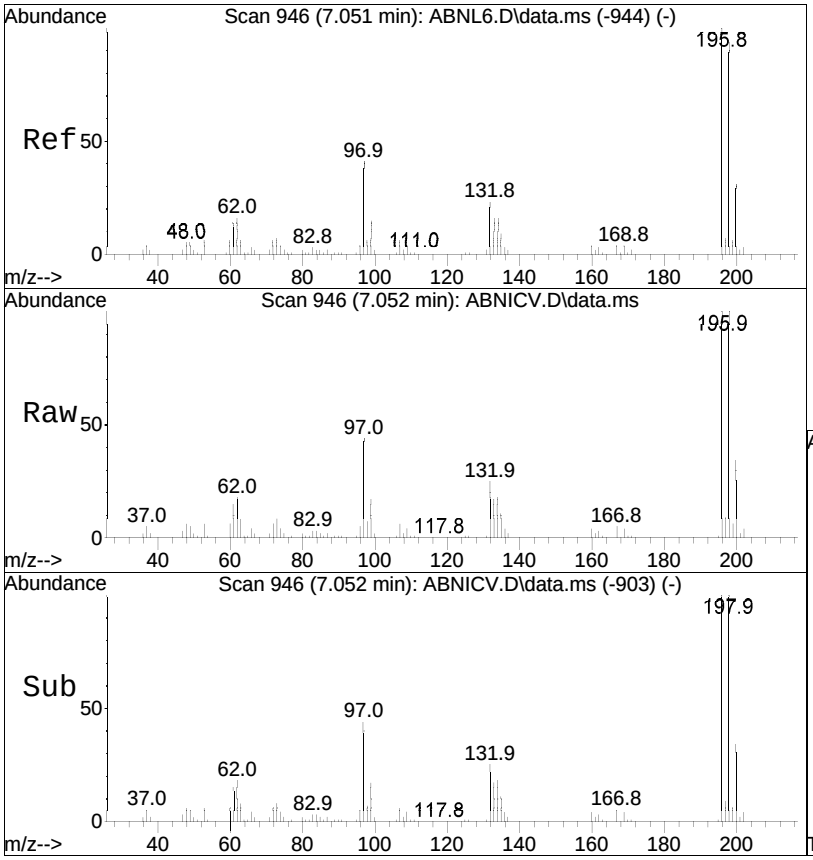


#44
2,4,6-Trichlorophenol
Concen: 4.89 ug/ml
RT: 7.022 min Scan# 941
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:196 Resp: 25194

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.4	114.6
200	31.9	24.4	36.6

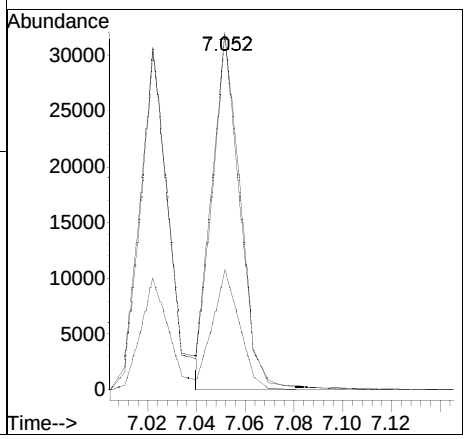


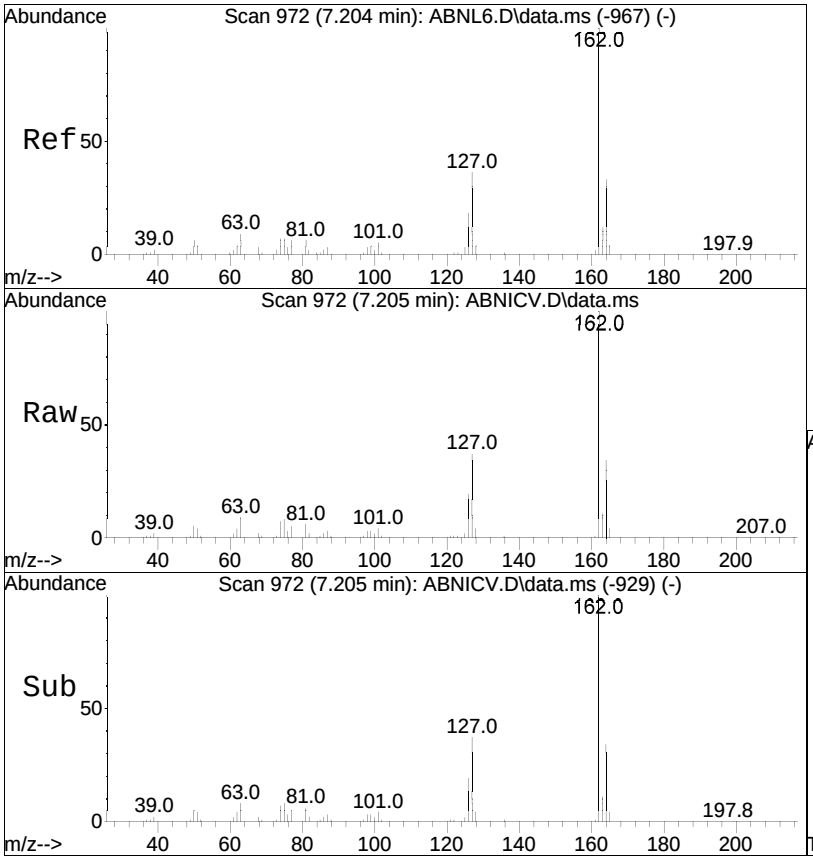


#45
2,4,5-Trichlorophenol
Concen: 4.93 ug/ml
RT: 7.052 min Scan# 946
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:196 Resp: 25978

Ion	Ratio	Lower	Upper
196	100		
200	31.6	24.2	36.4
198	96.3	76.2	114.2

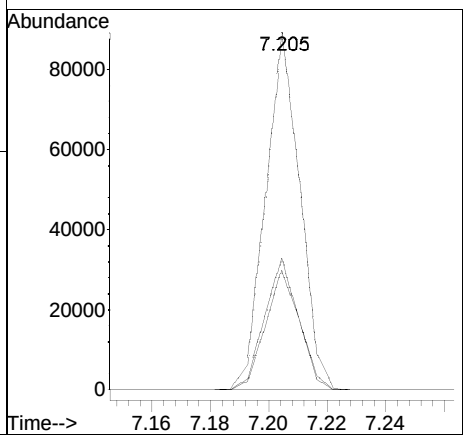


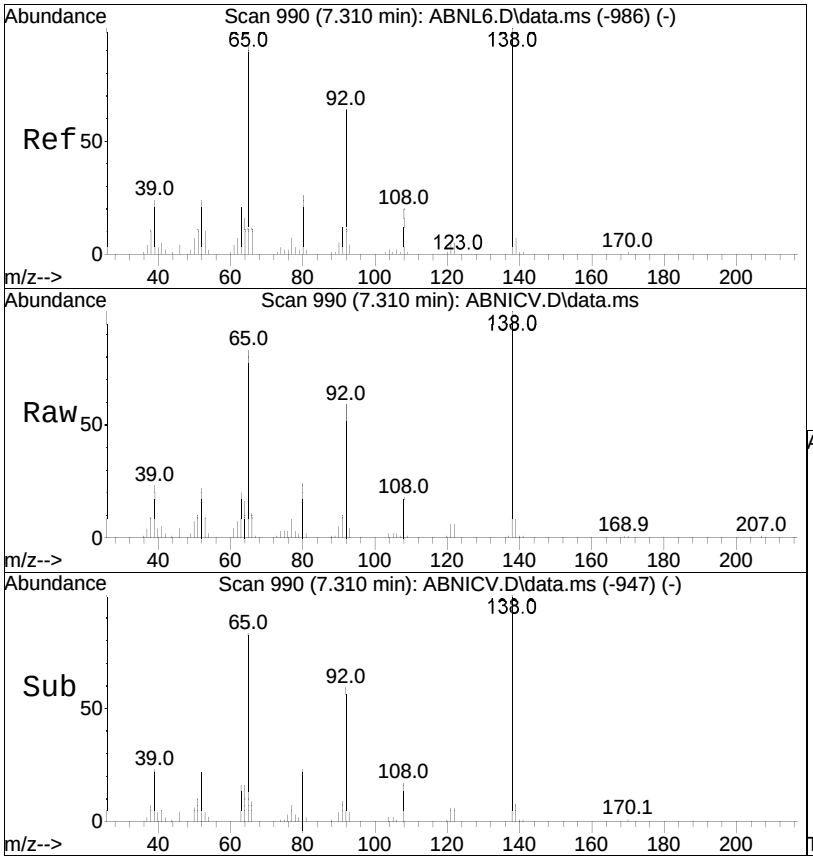


#47
2-Chloronaphthalene
Concen: 4.71 ug/ml
RT: 7.205 min Scan# 972
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:162 Resp: 71799

Ion	Ratio	Lower	Upper
162	100		
127	36.5	33.8	50.6
164	33.9	25.8	38.6

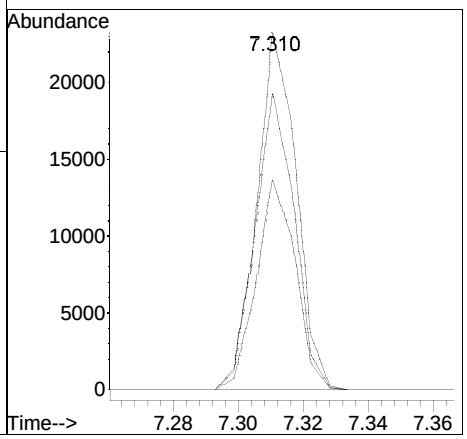


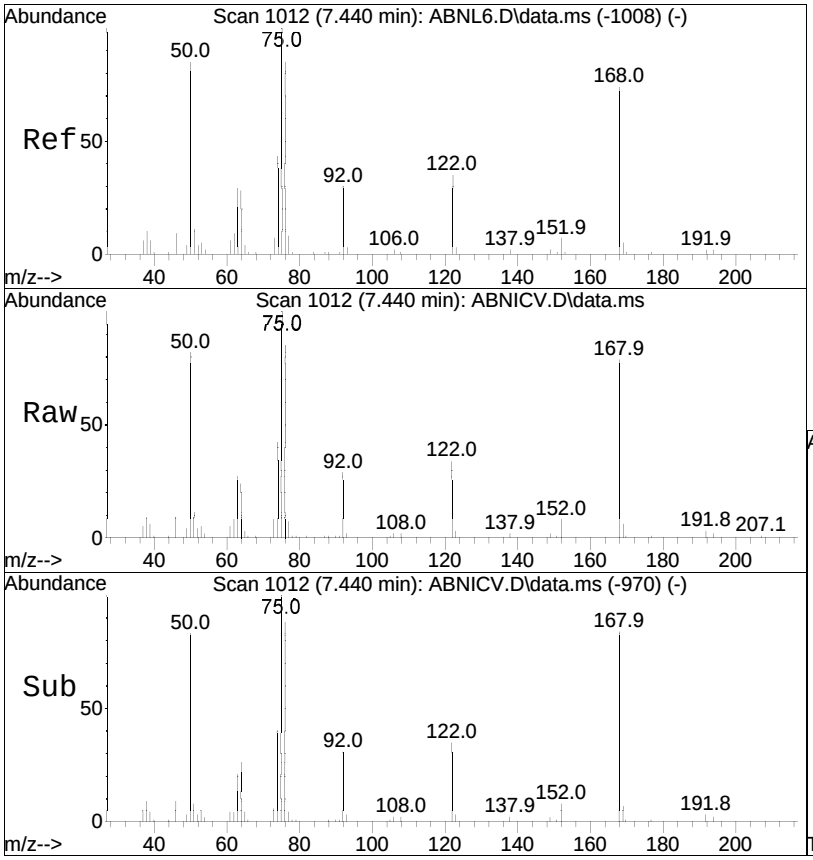


#48
2-Nitroaniline
Concen: 4.79 ug/ml
RT: 7.310 min Scan# 990
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:138 Resp: 19285

Ion	Ratio	Lower	Upper
138	100		
92	58.5	52.1	78.1
65	83.2	75.9	113.9

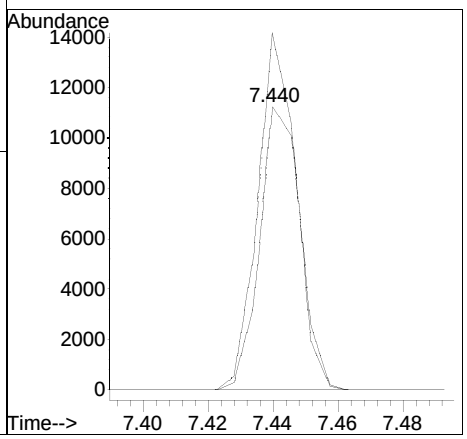


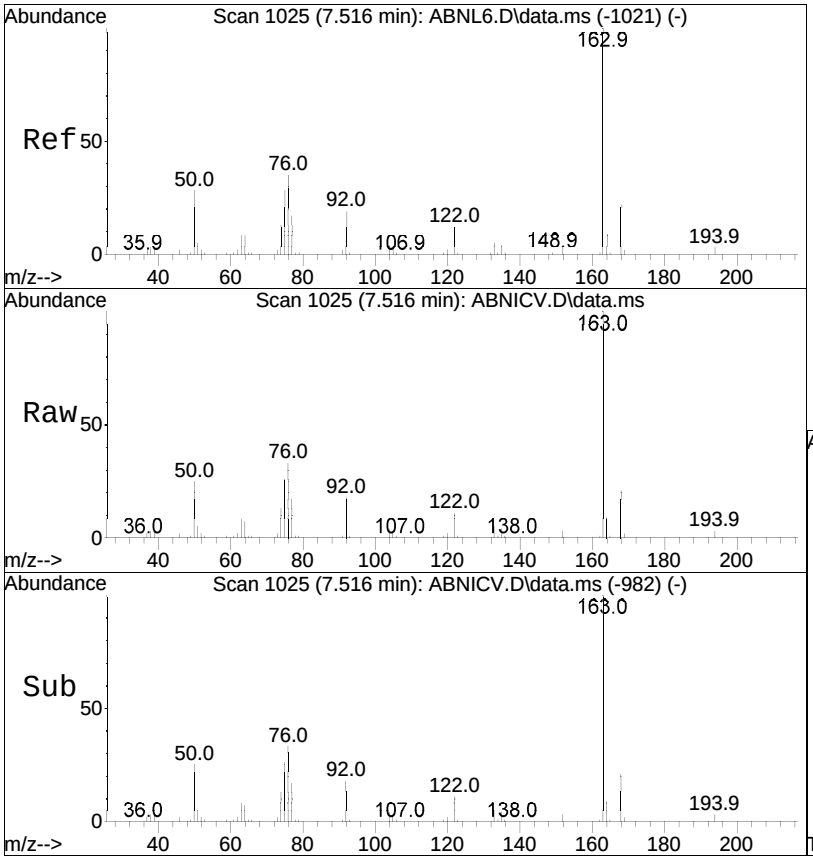


#49
1,4-Dinitrobenzene
Concen: 4.95 ug/ml
RT: 7.440 min Scan# 1012
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 9774

Ion	Ratio	Lower	Upper
168	100		
75	118.0	111.0	166.4

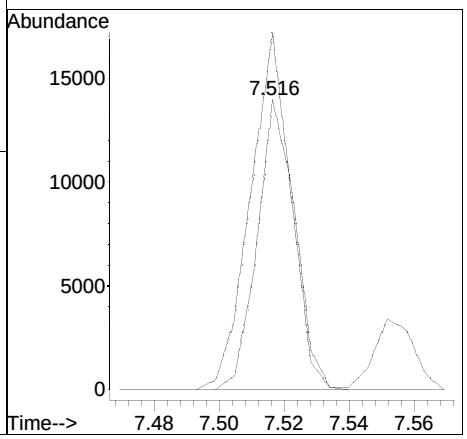


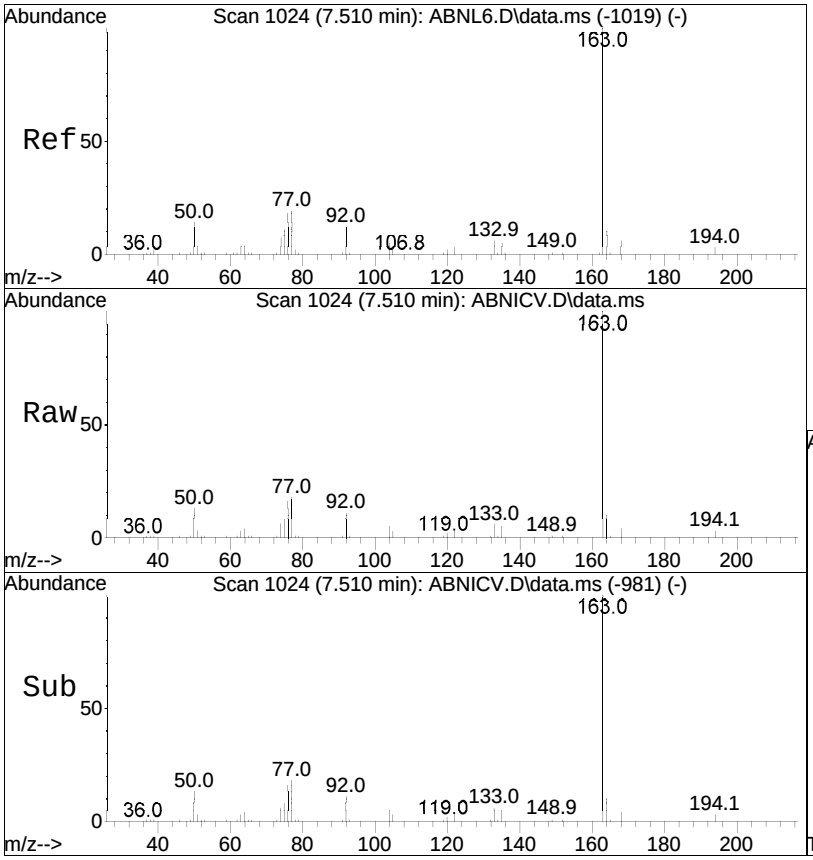


#50
1,3-Dinitrobenzene
Concen: 4.88 ug/ml
RT: 7.516 min Scan# 1025
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 11190

Ion	Ratio	Lower	Upper
168	100		
75	131.7	116.4	174.6

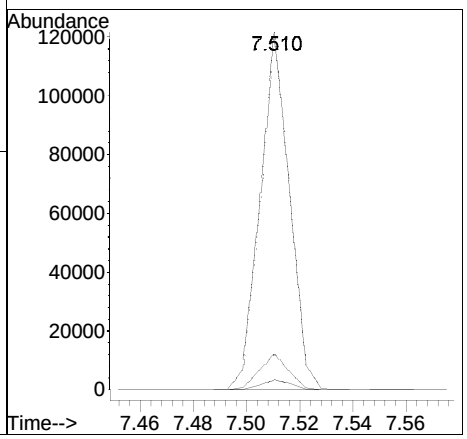


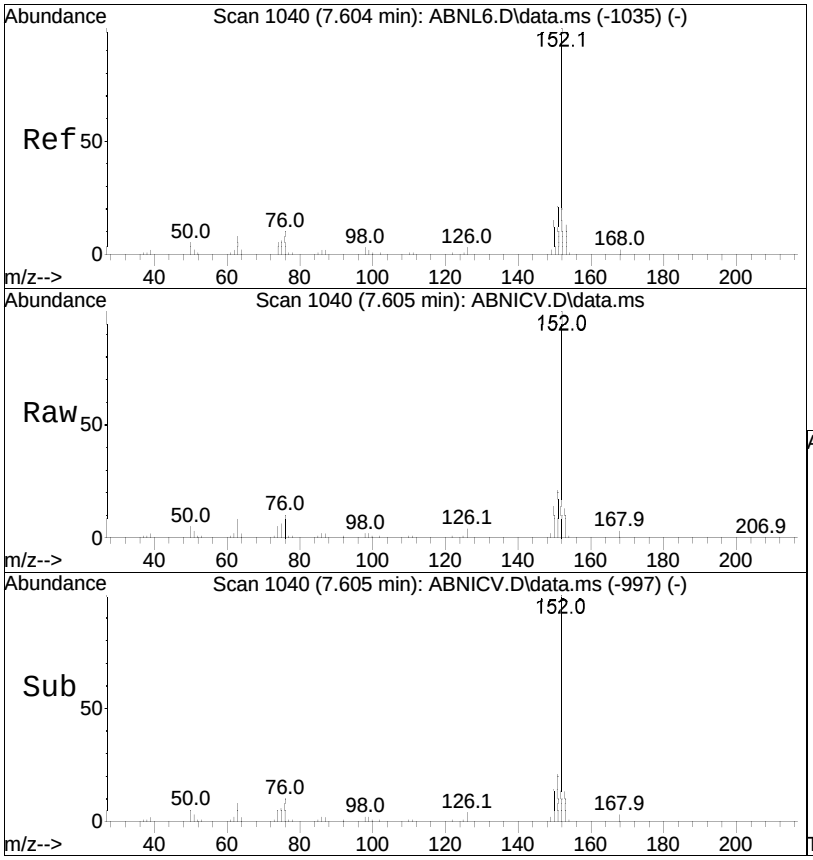


#51
Dimethyl phthalate
Concen: 4.95 ug/ml
RT: 7.510 min Scan# 1024
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:163 Resp: 91883

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.3	3.5
164	10.0	8.2	12.2

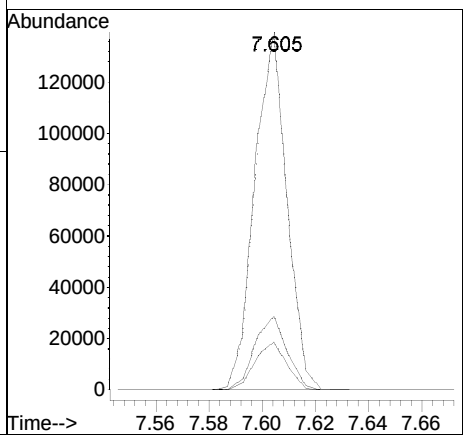


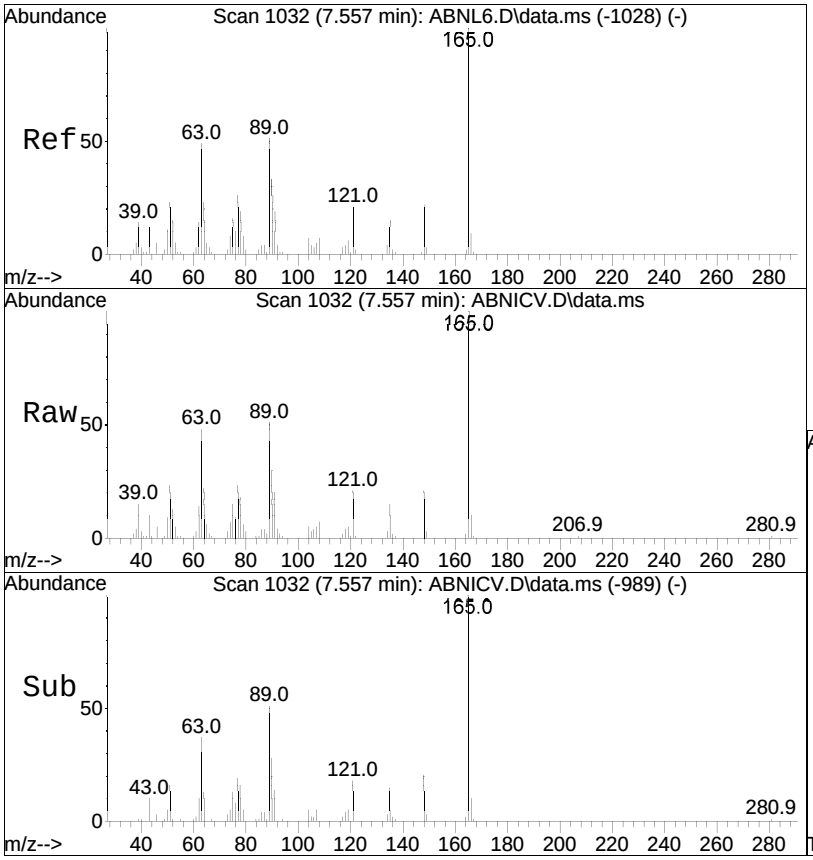


#52
Acenaphthylene
Concen: 5.14 ug/ml
RT: 7.605 min Scan# 1040
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:152 Resp: 115716

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.9	23.9
153	13.4	10.5	15.7

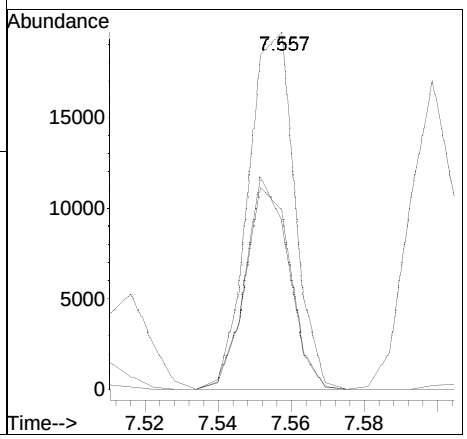


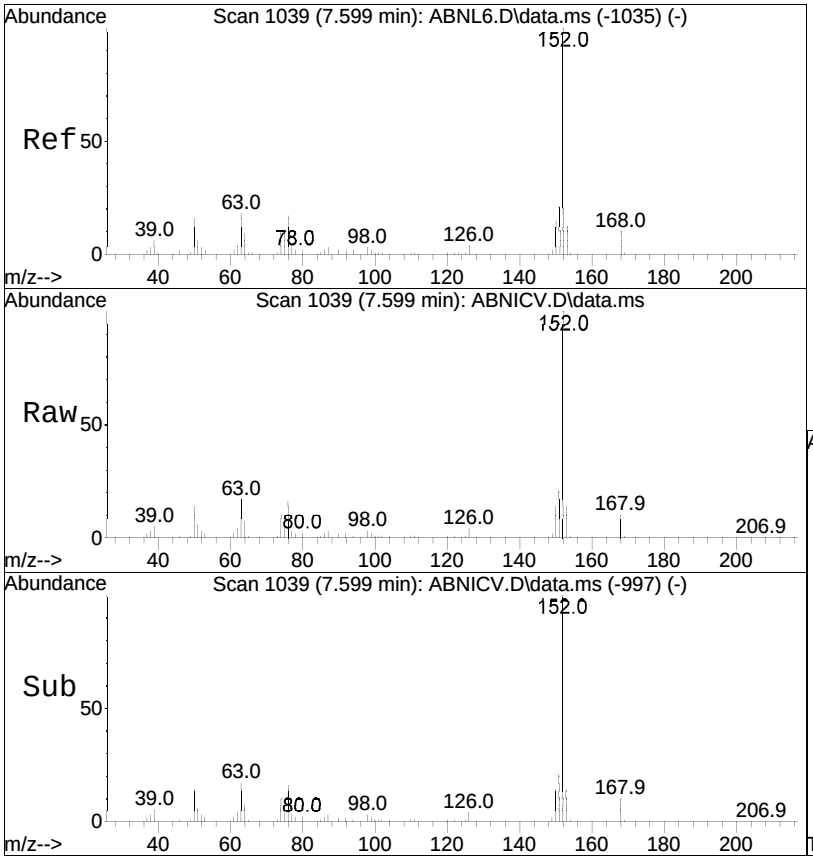


#53
2,6-Dinitrotoluene
Concen: 5.01 ug/ml
RT: 7.557 min Scan# 1032
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:165 Resp: 17365

Ion	Ratio	Lower	Upper
165	100		
89	55.6	48.8	73.2
63	55.8	50.5	75.7

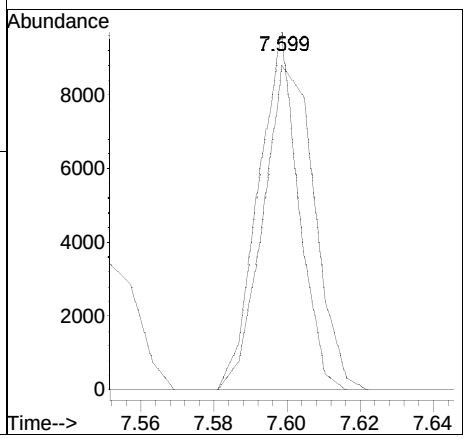


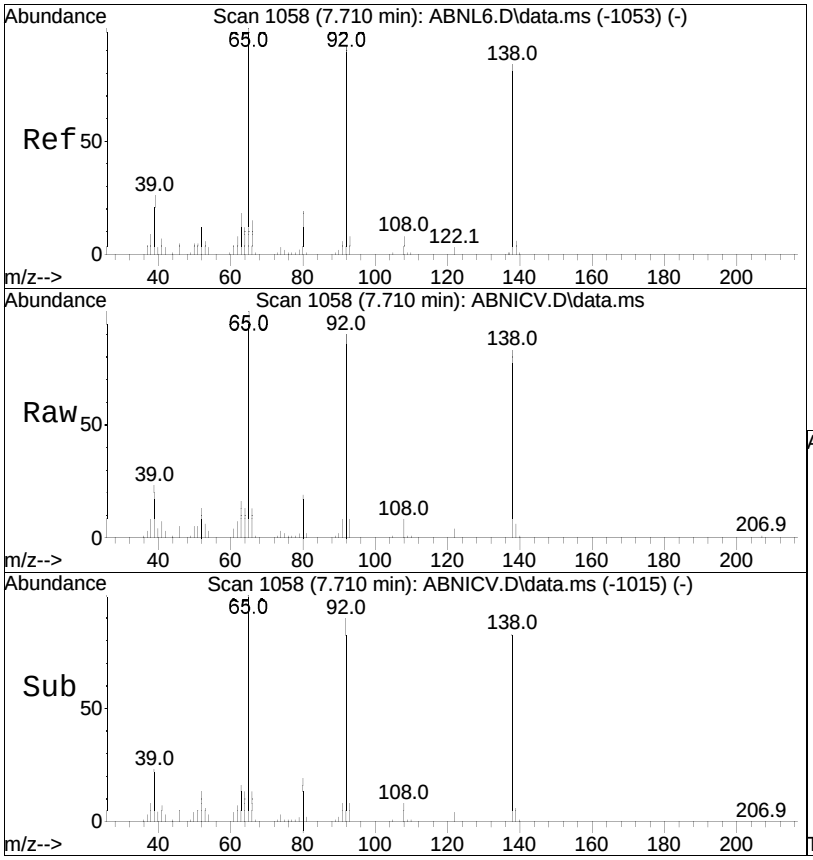


#54
1,2-Dinitrobenzene
Concen: 4.87 ug/ml
RT: 7.599 min Scan# 1039
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 7435

Ion	Ratio	Lower	Upper
168	100		
75	115.4	32.2	48.2#

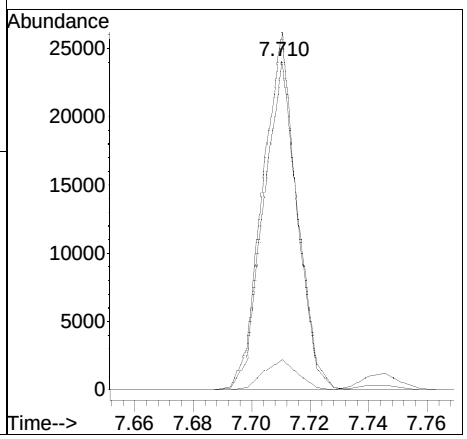


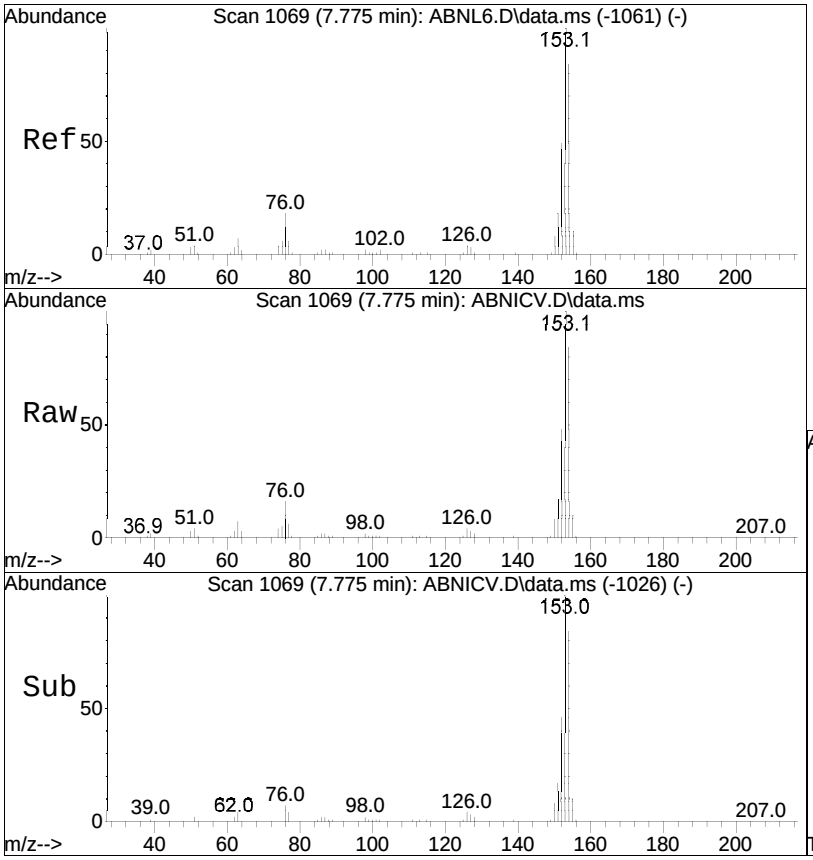


#64
3-Nitroaniline
Concen: 4.92 ug/ml
RT: 7.710 min Scan# 1058
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:138 Resp: 19395

Ion	Ratio	Lower	Upper
138	100		
92	107.4	92.8	139.2
108	9.2	7.9	11.9

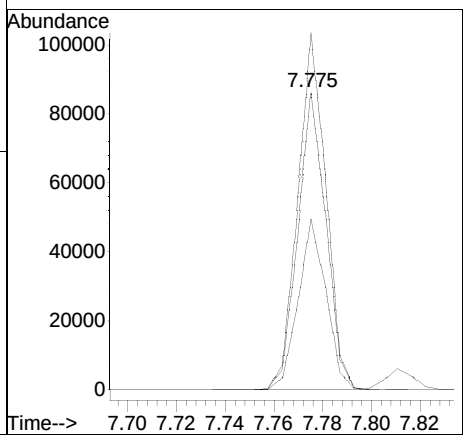


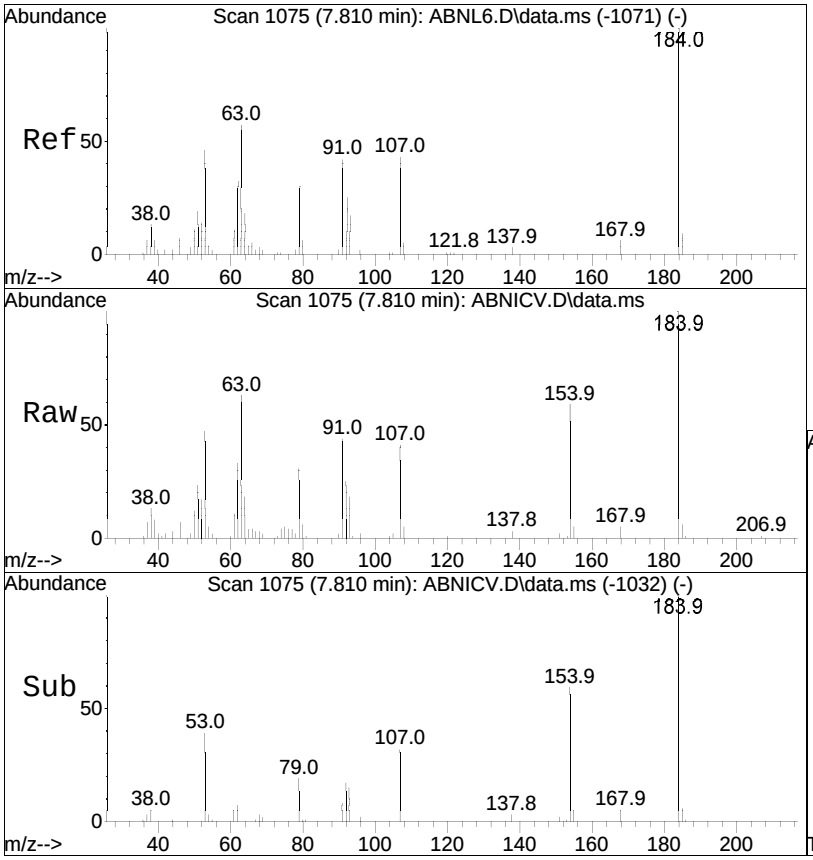


#65
Acenaphthene
Concen: 4.70 ug/ml
RT: 7.775 min Scan# 1069
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:154 Resp: 69117

Ion	Ratio	Lower	Upper
154	100		
153	119.3	93.0	139.4
152	56.9	43.3	64.9

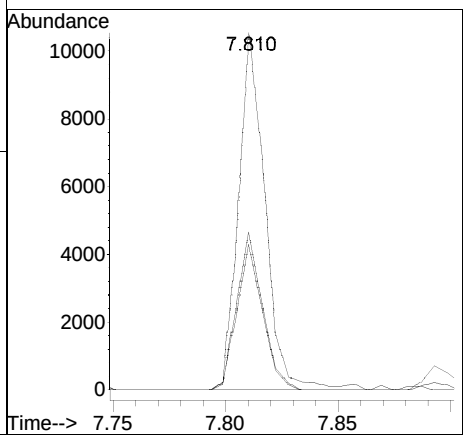


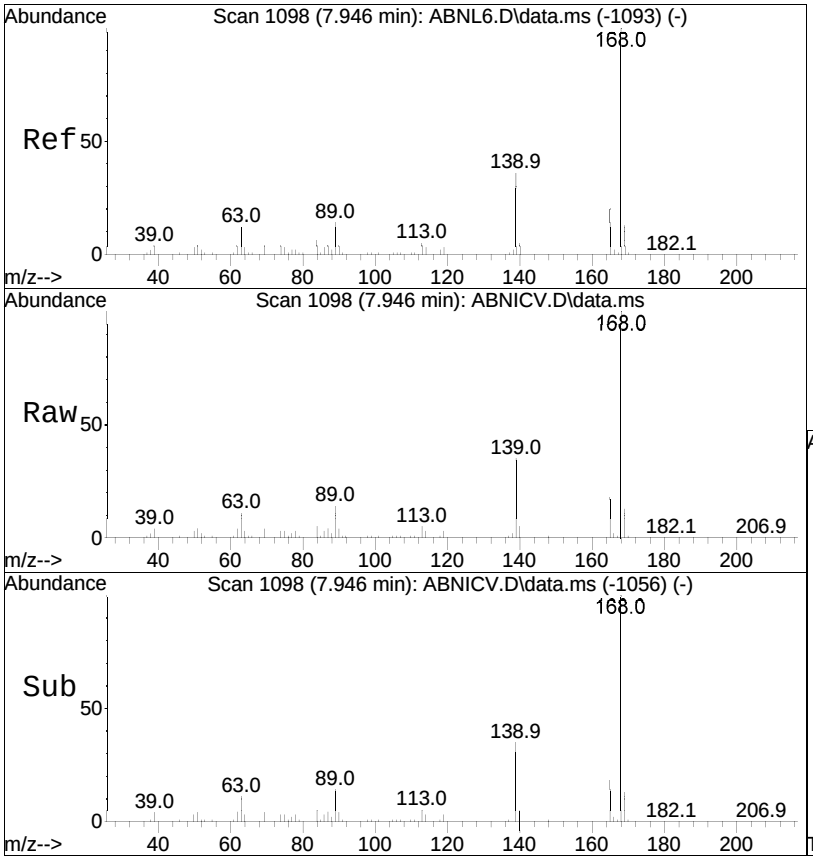


#66
2,4-Dinitrophenol
Concen: 4.10 ug/ml
RT: 7.810 min Scan# 1075
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:184 Resp: 8557

Ion	Ratio	Lower	Upper
184	100		
107	39.8	41.8	62.6#
91	43.2	44.2	66.2#

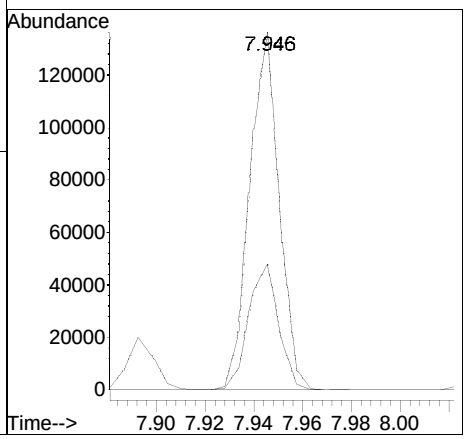


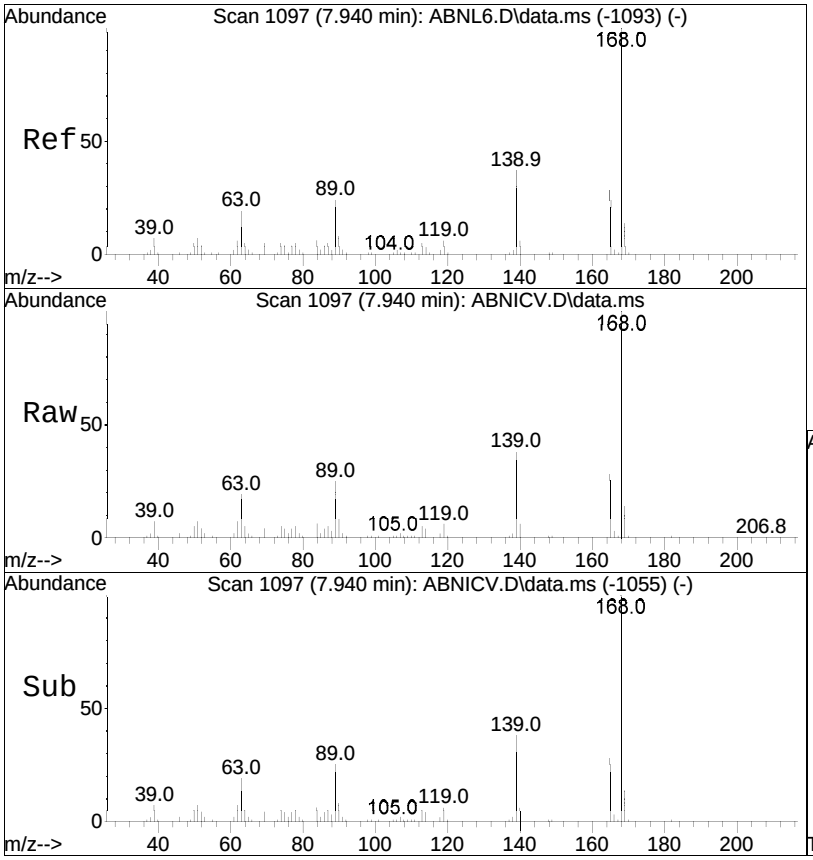


#67
Dibenzofuran
Concen: 4.68 ug/ml
RT: 7.946 min Scan# 1098
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 113504

Ion	Ratio	Lower	Upper
168	100		
139	35.9	32.3	48.5

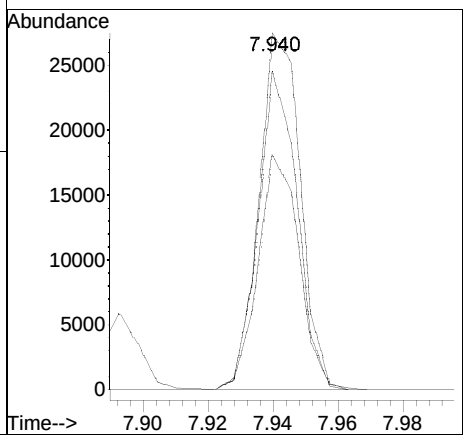


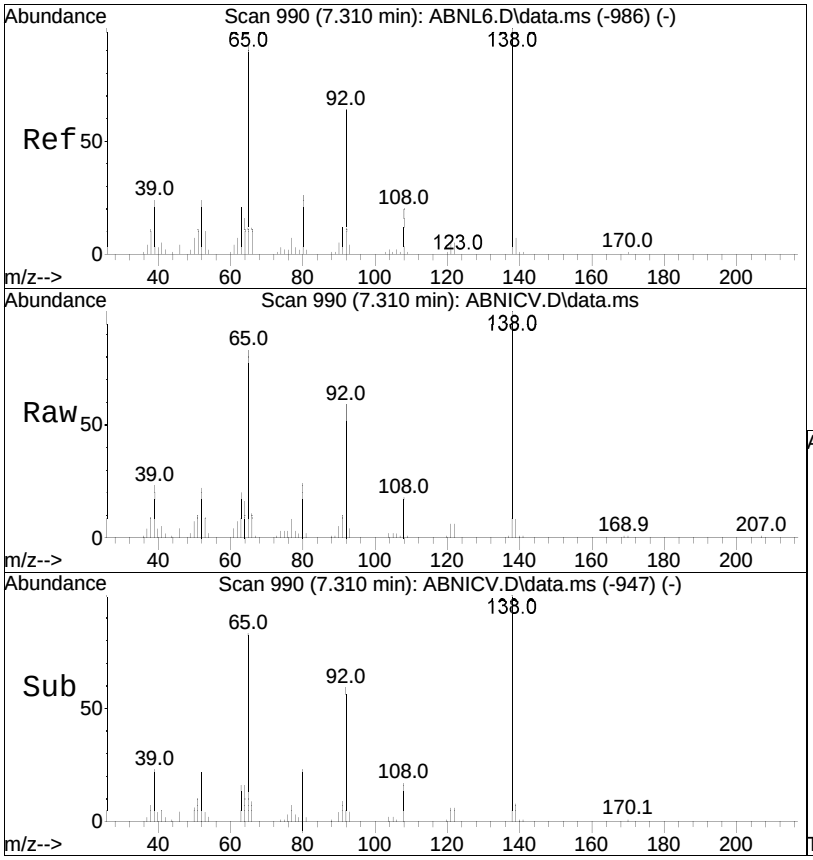


#68
2,4-Dinitrotoluene
Concen: 4.78 ug/ml
RT: 7.940 min Scan# 1097
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:165 Resp: 24166

Ion	Ratio	Lower	Upper
165	100		
89	83.8	73.0	109.4
63	65.2	56.3	84.5

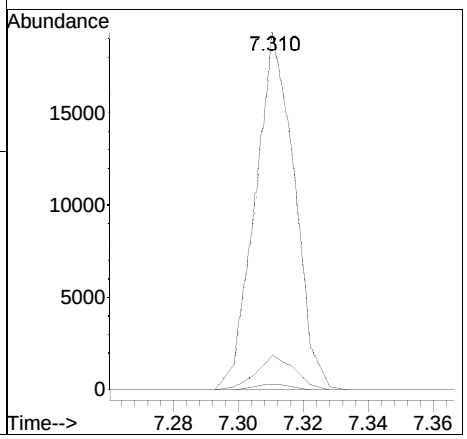


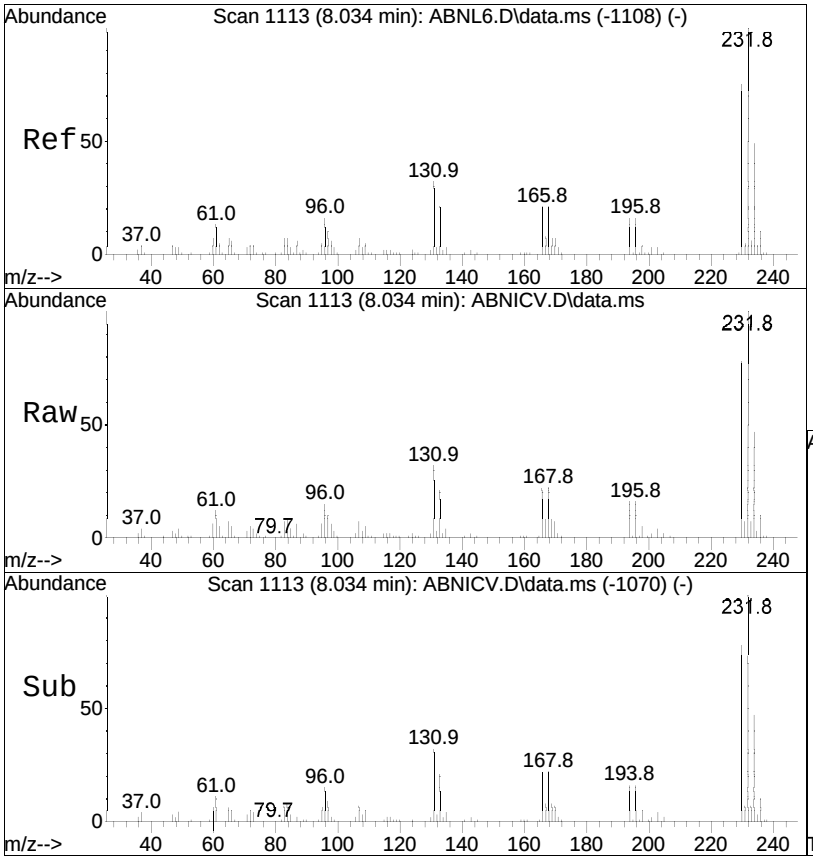


#69
4-Nitrophenol
Concen: 4.20 ug/ml
RT: 7.310 min Scan# 990
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 65 Resp: 16049

Ion	Ratio	Lower	Upper
65	100		
109	0.0	60.2	90.2#
139	9.5	81.1	121.7#

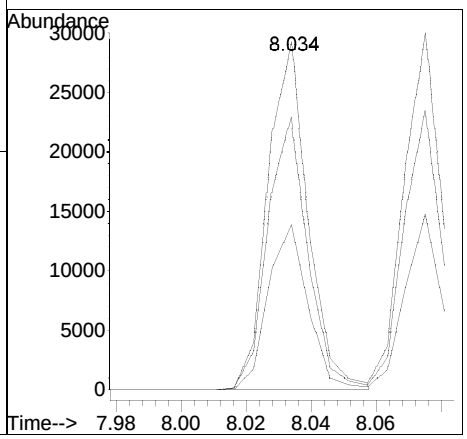


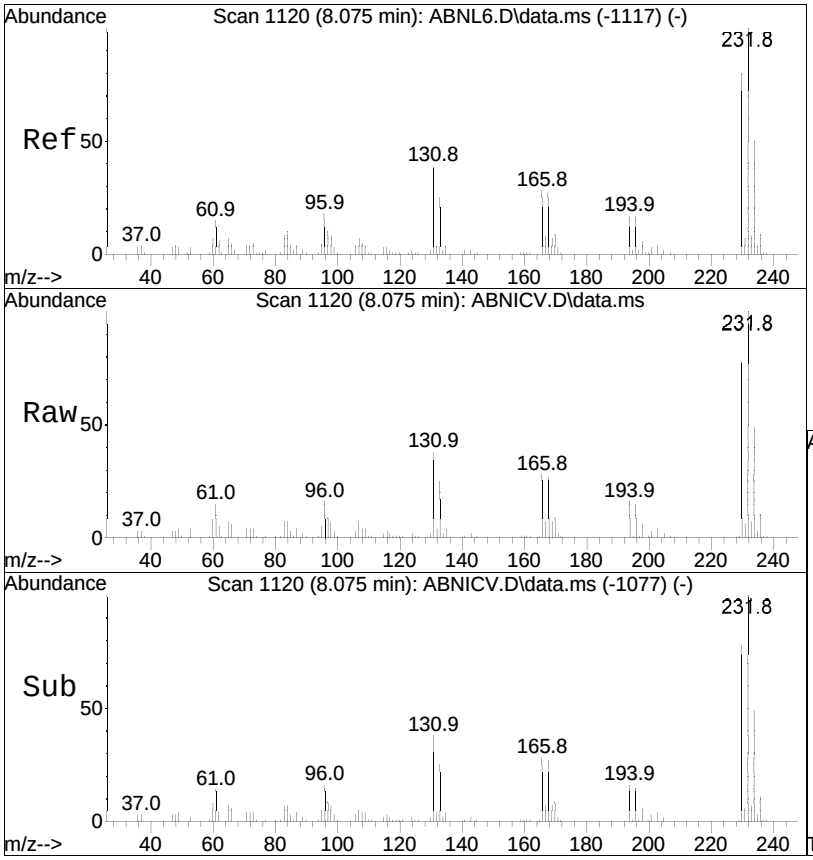


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.06 ug/ml
RT: 8.034 min Scan# 1113
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:232 Resp: 25150

Ion	Ratio	Lower	Upper
232	100		
230	78.4	63.8	95.8
234	47.4	38.3	57.5

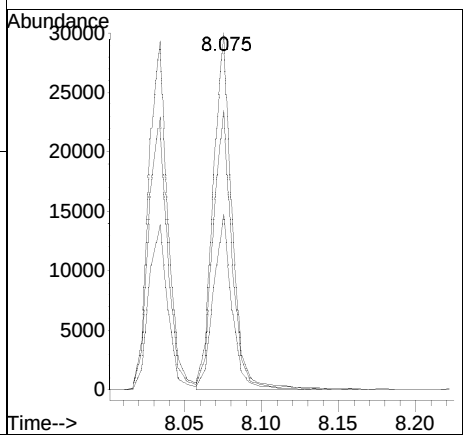


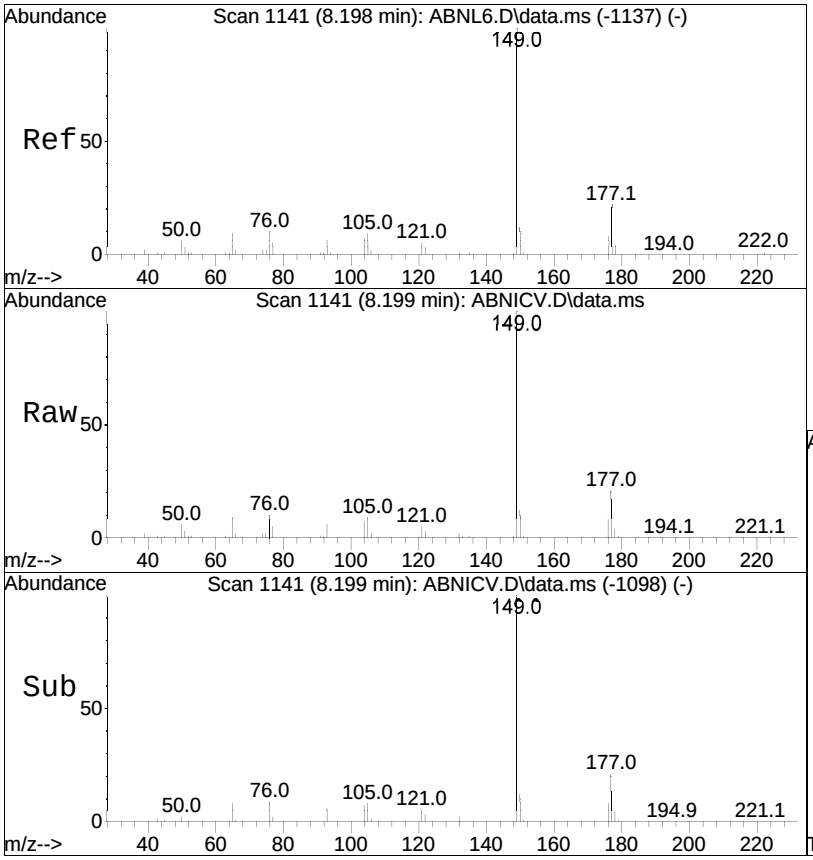


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.30 ug/ml
RT: 8.075 min Scan# 1120
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:232 Resp: 25875

Ion	Ratio	Lower	Upper
232	100		
230	78.0	63.8	95.8
234	47.7	39.0	58.6

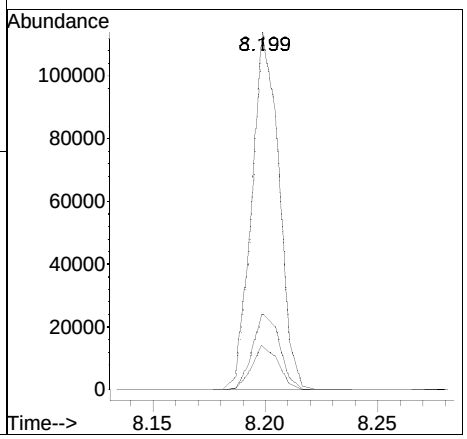


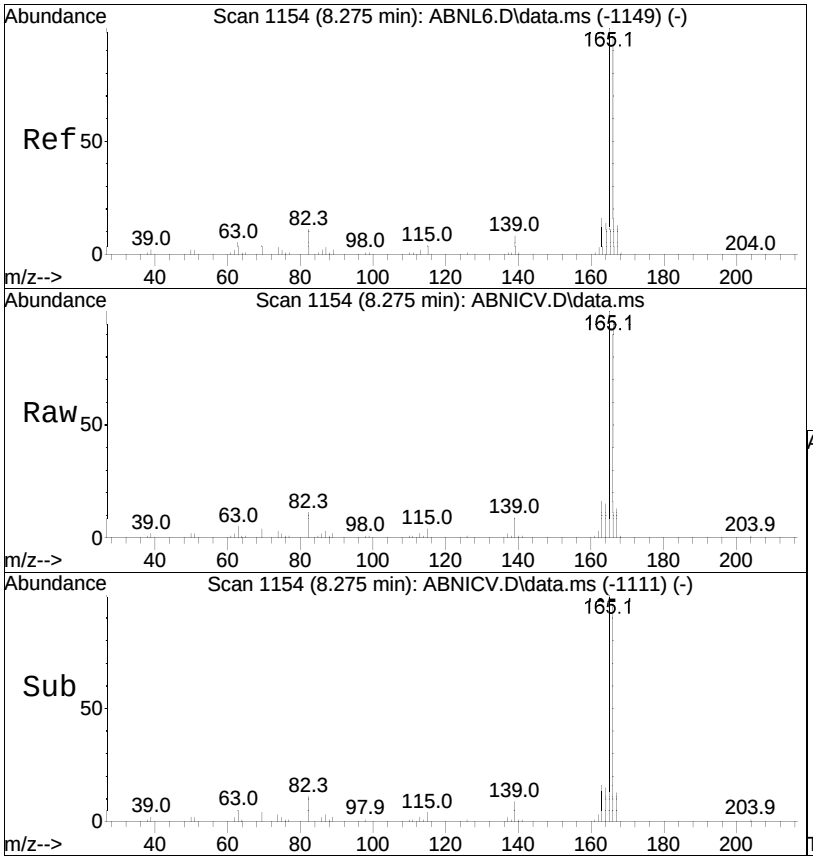


#72
Diethyl phthalate
Concen: 4.82 ug/ml
RT: 8.199 min Scan# 1141
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 94549

Ion	Ratio	Lower	Upper
149	100		
177	21.5	15.0	22.6
150	12.4	9.8	14.6

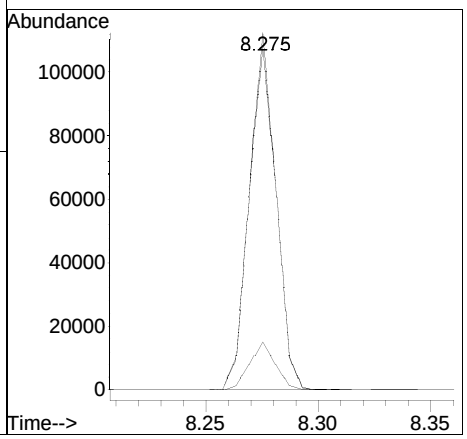


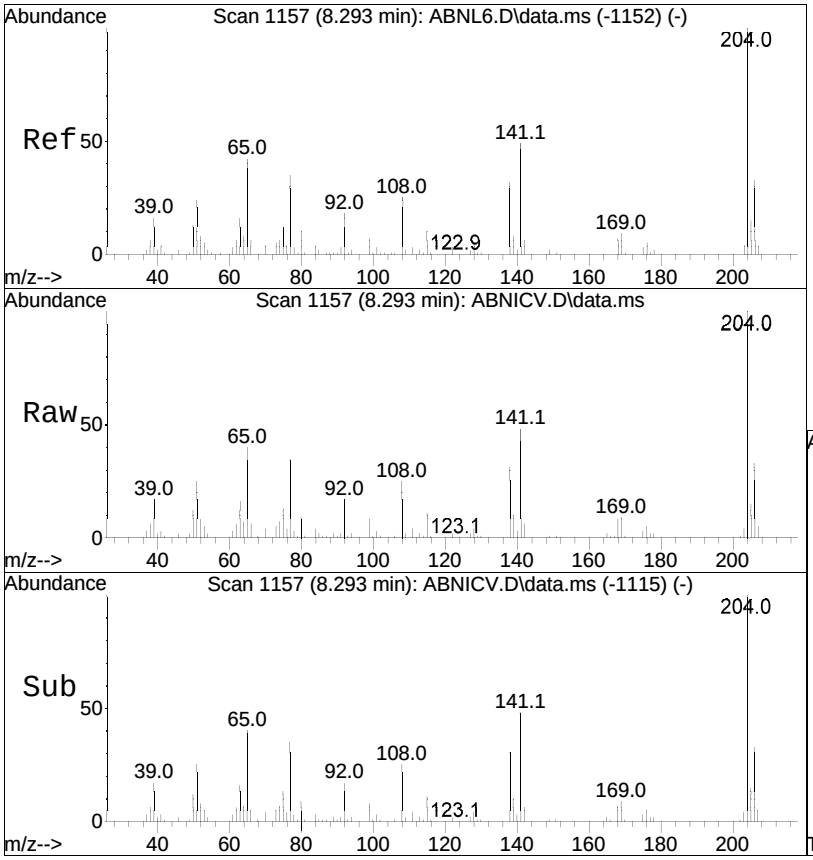


#73
Fluorene
Concen: 4.79 ug/ml
RT: 8.275 min Scan# 1154
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:166 Resp: 90363

Ion	Ratio	Lower	Upper
166	100		
165	102.3	80.0	120.0
167	13.6	10.7	16.1

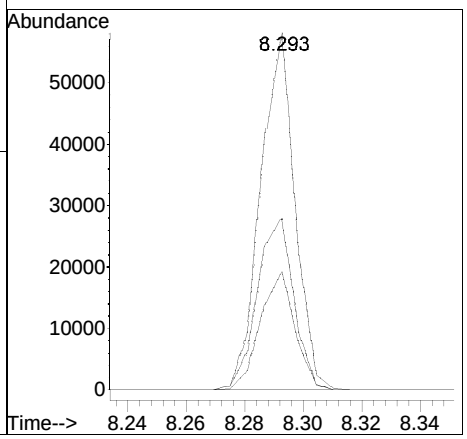


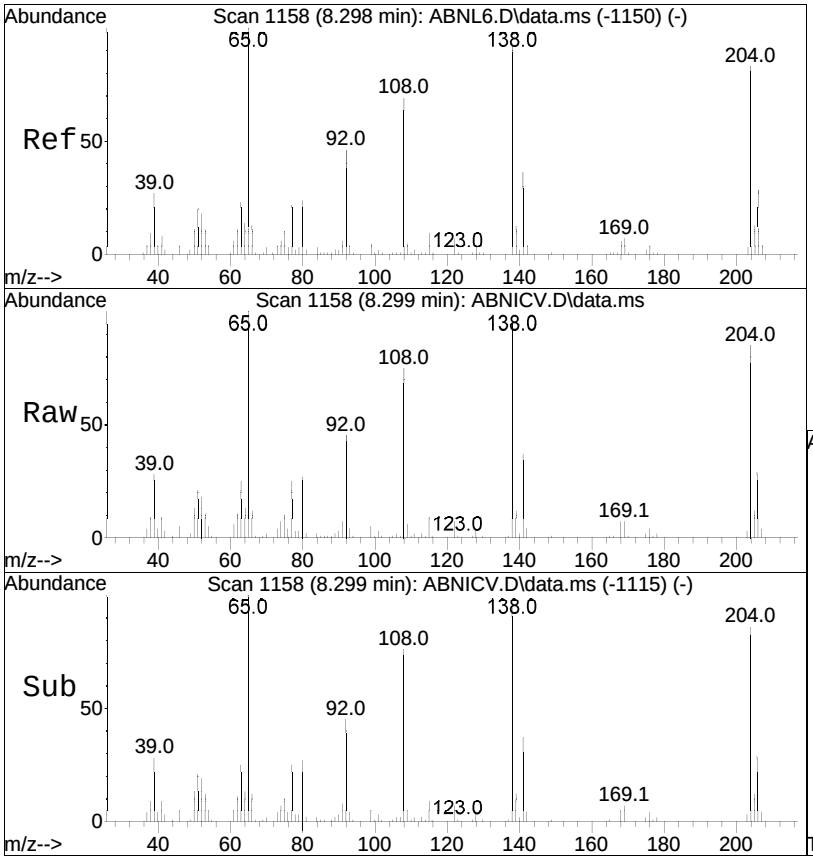


#74
4-Chlorophenyl phenyl ether
Concen: 4.55 ug/ml
RT: 8.293 min Scan# 1157
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:204 Resp: 46843

Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.3	39.5
141	51.2	58.4	87.6#

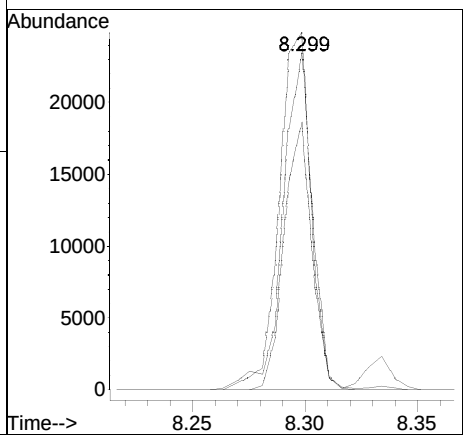


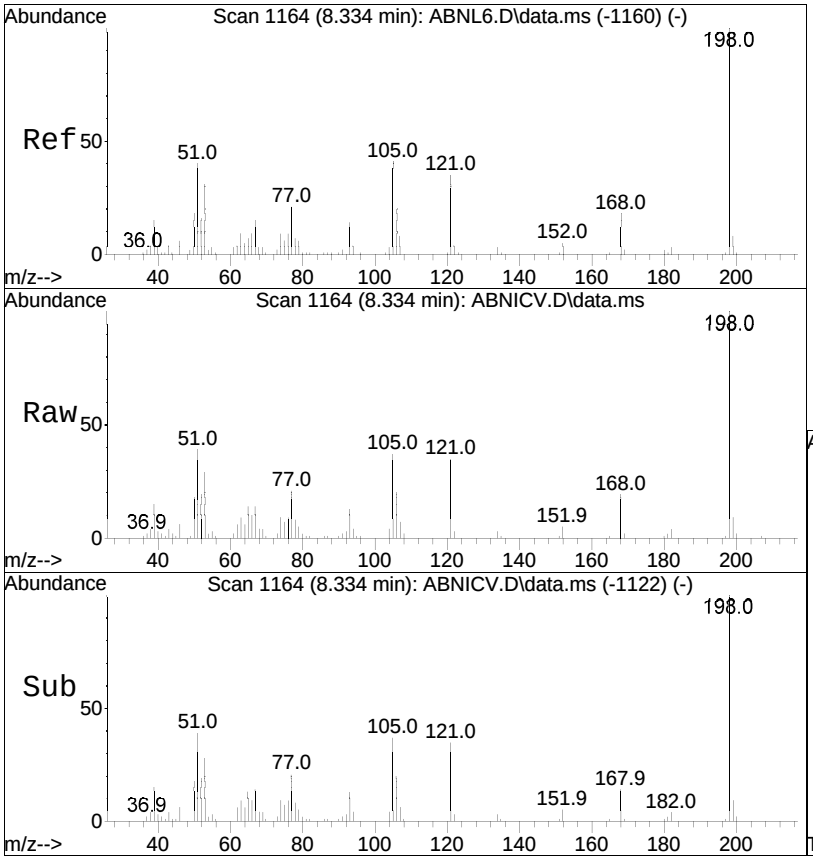


#75
4-Nitroaniline
Concen: 5.09 ug/ml
RT: 8.299 min Scan# 1158
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:138 Resp: 21133

Ion	Ratio	Lower	Upper
138	100		
108	75.4	59.2	88.8
65	114.3	97.6	146.4

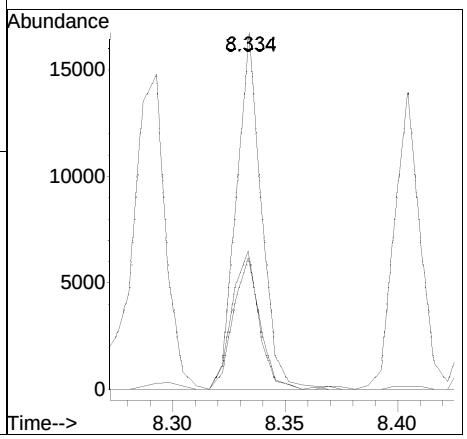


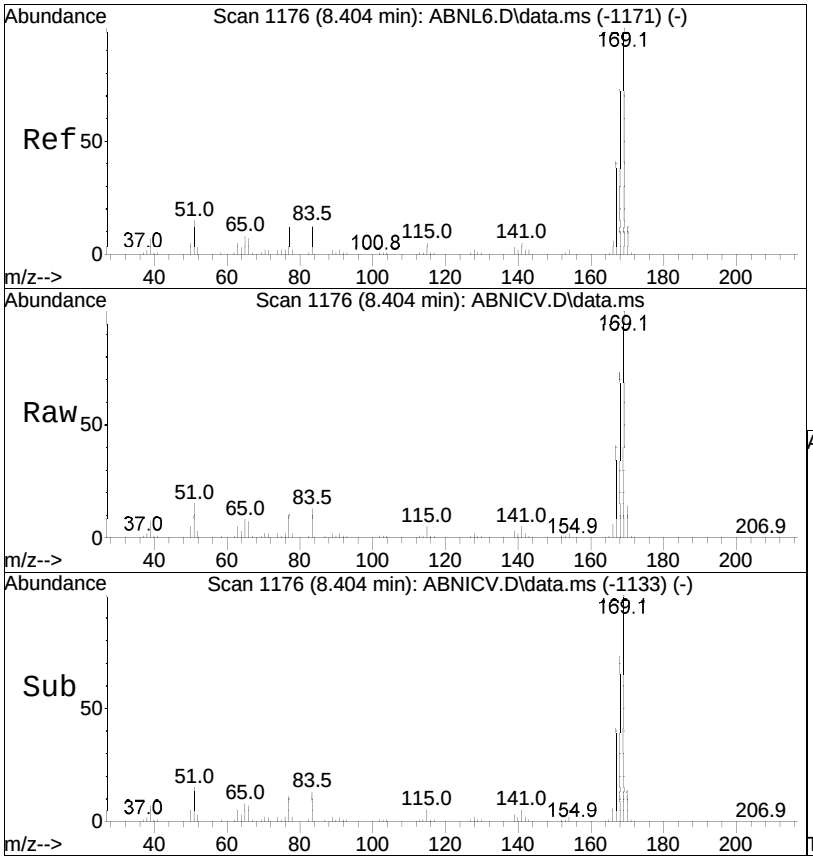


#76
4,6-Dinitro-o-cresol
Concen: 4.08 ug/ml
RT: 8.334 min Scan# 1164
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:198 Resp: 13091

Ion	Ratio	Lower	Upper
198	100		
51	41.4	49.9	74.9#
105	39.4	45.8	68.6#

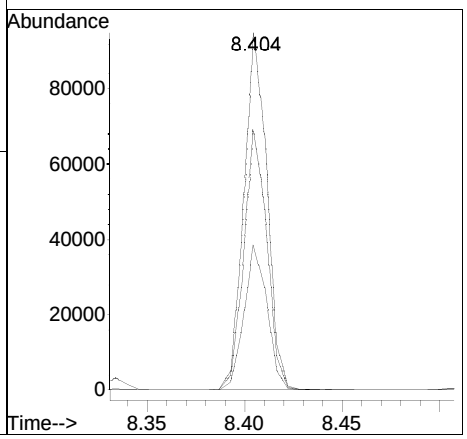


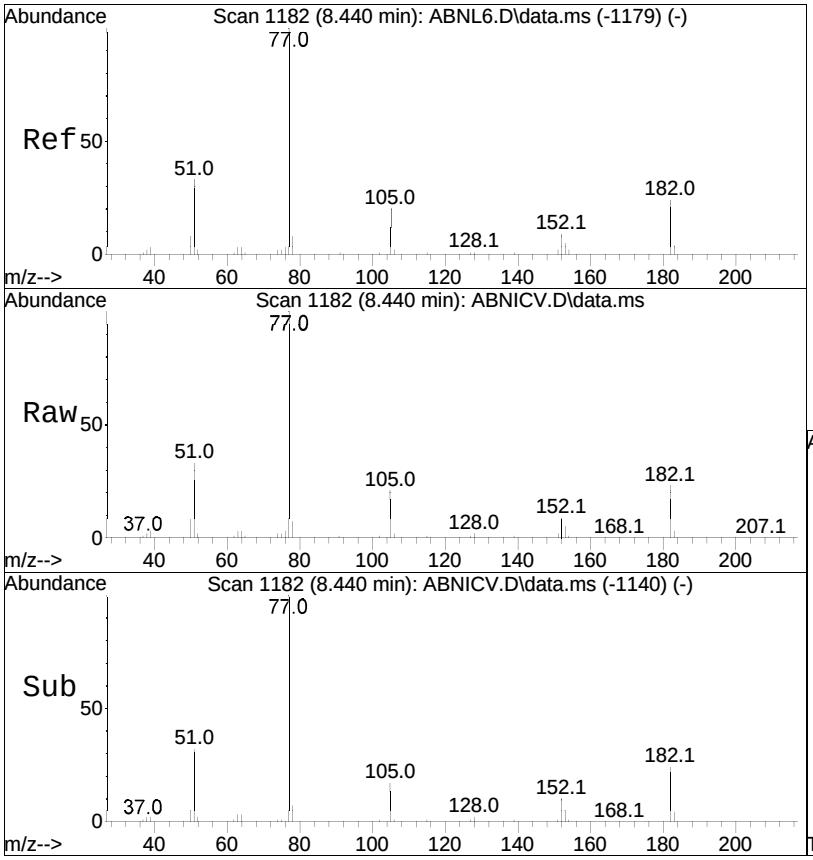


#77
NDPA/DPA
Concen: 4.78 ug/ml
RT: 8.404 min Scan# 1176
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:169 Resp: 77598

Ion	Ratio	Lower	Upper
169	100		
168	72.8	55.2	82.8
167	40.7	30.4	45.6

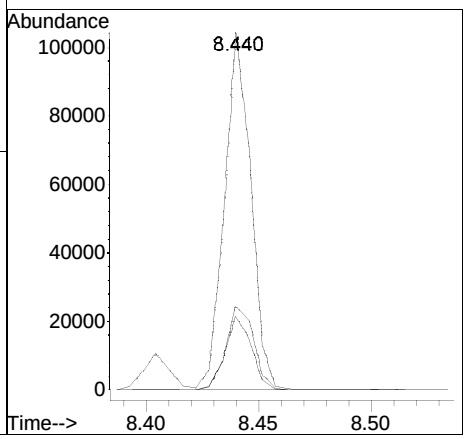


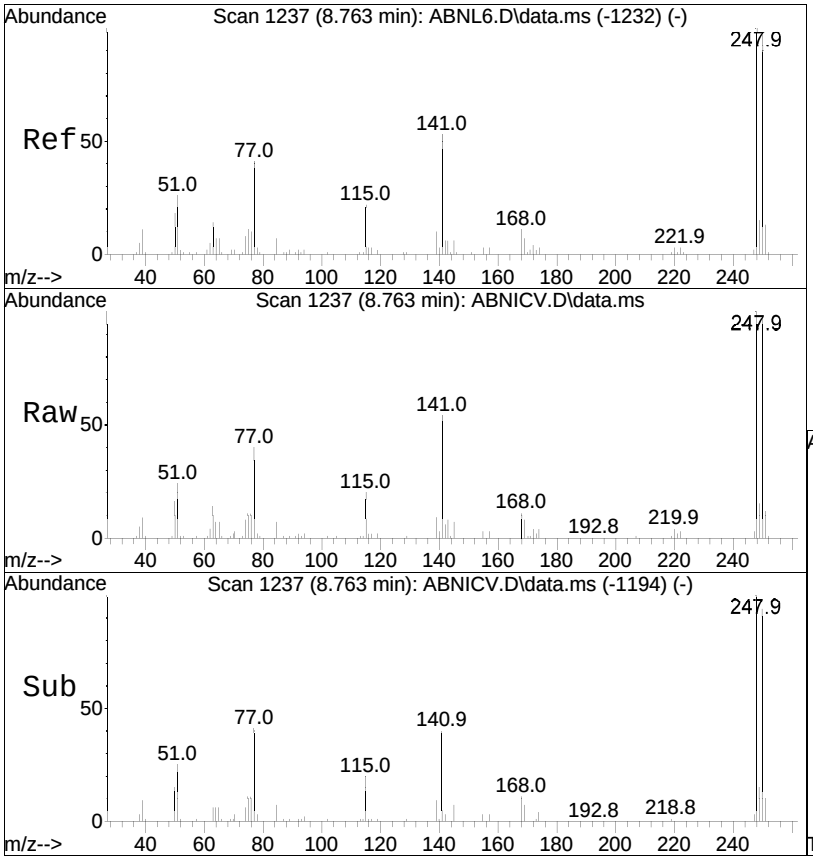


#78
Azobenzene
Concen: 4.87 ug/ml
RT: 8.440 min Scan# 1182
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 77 Resp: 83945

Ion	Ratio	Lower	Upper
77	100		
182	24.8	16.2	24.2#
105	20.6	17.9	26.9

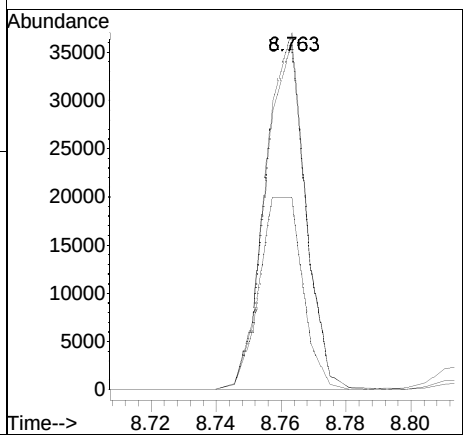


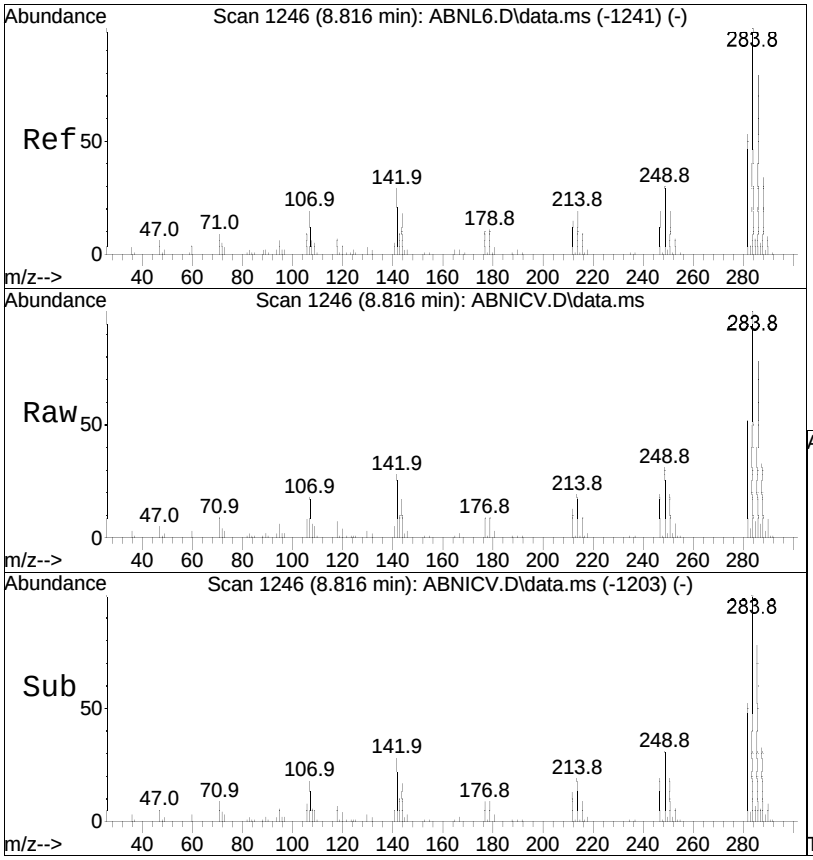


#80
4-Bromophenyl phenyl ether
Concen: 4.77 ug/ml
RT: 8.763 min Scan# 1237
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:248 Resp: 31429

Ion	Ratio	Lower	Upper
248	100		
141	58.0	74.6	111.8#
250	96.9	76.9	115.3

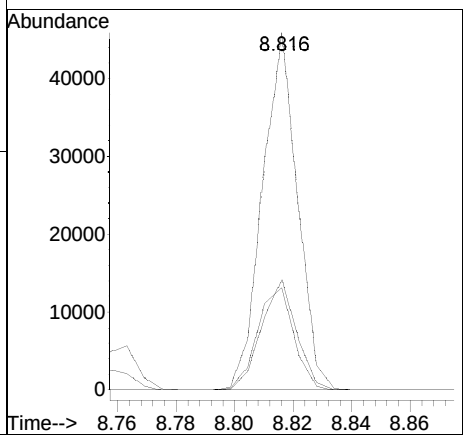


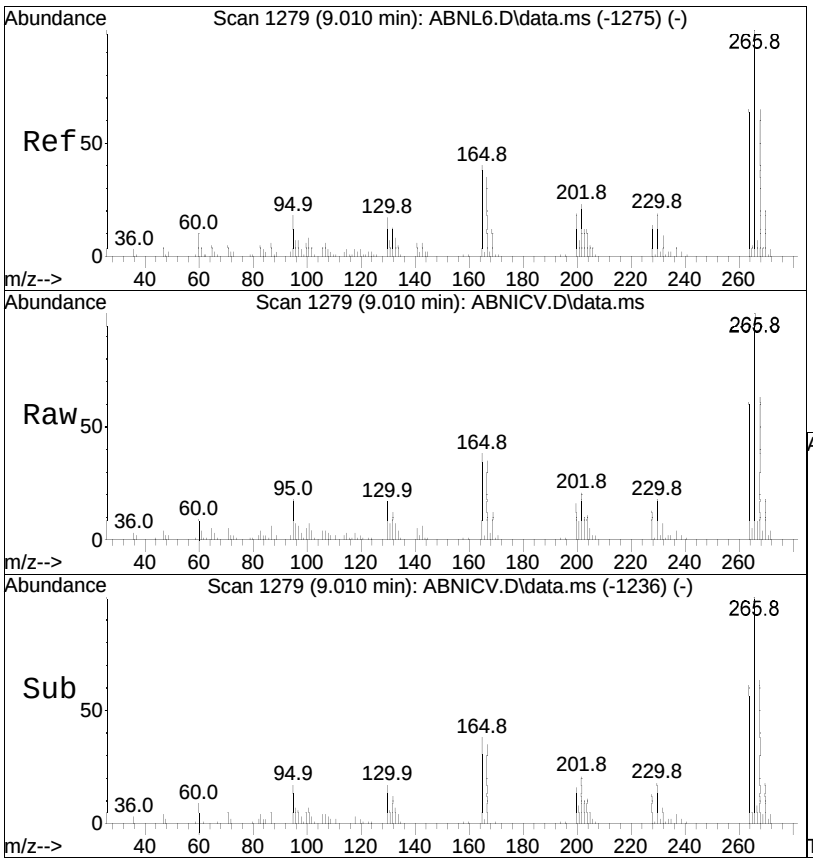


#81
Hexachlorobenzene
Concen: 4.59 ug/ml
RT: 8.816 min Scan# 1246
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:284 Resp: 37993

Ion	Ratio	Lower	Upper
284	100		
142	29.9	37.6	56.4#
249	31.0	25.4	38.2

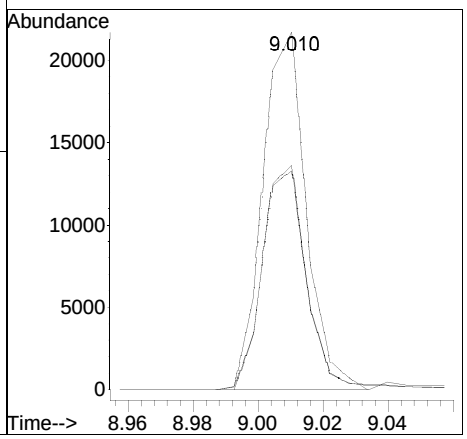


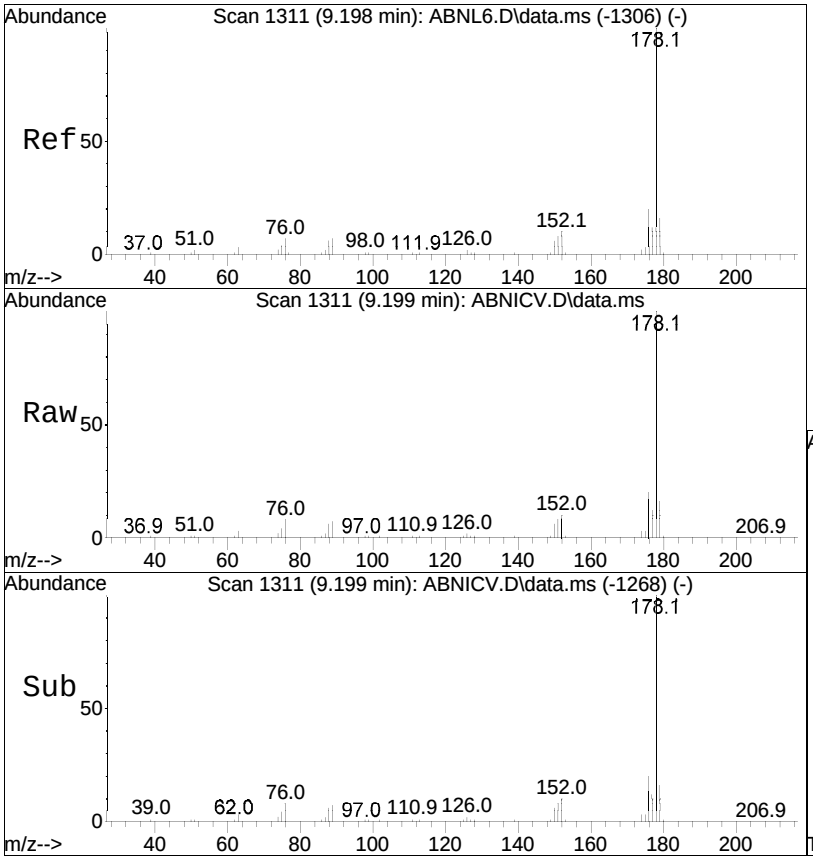


#82
Pentachlorophenol
Concen: 4.72 ug/ml
RT: 9.010 min Scan# 1279
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:266 Resp: 20072

Ion	Ratio	Lower	Upper
266	100		
264	64.3	50.7	76.1
268	65.6	52.5	78.7

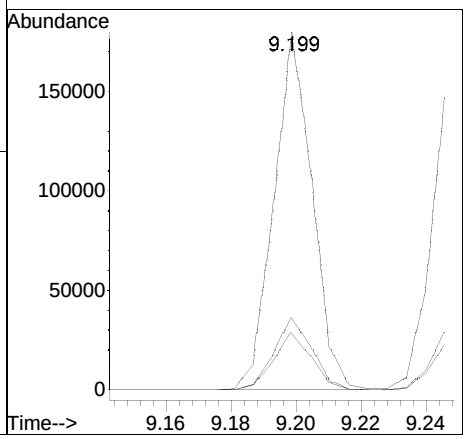


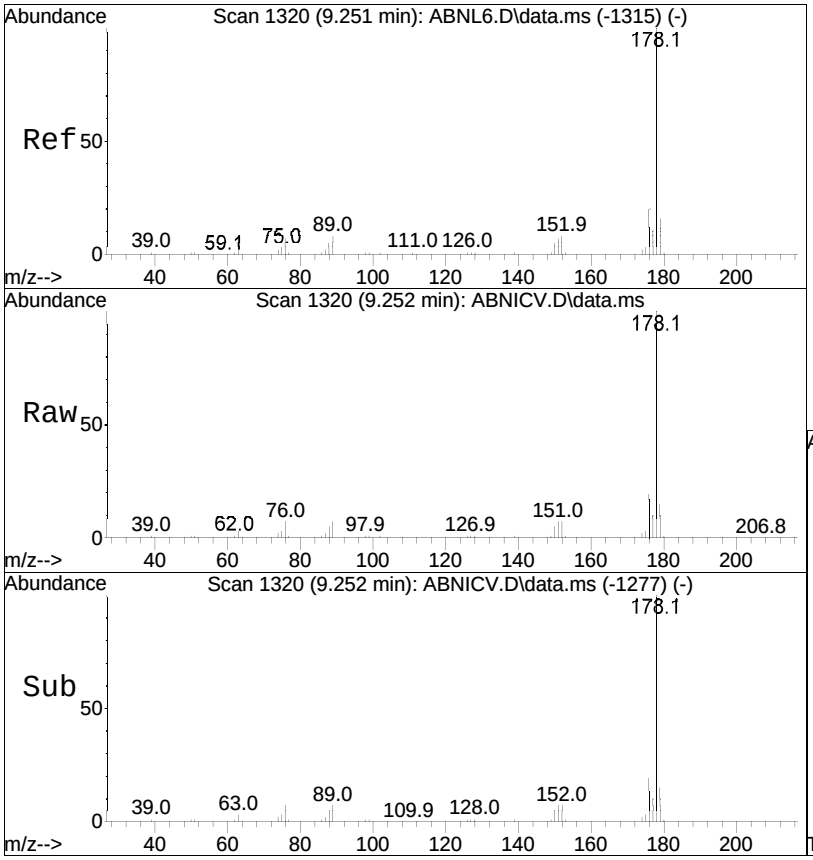


#89
Phenanthrene
Concen: 4.73 ug/ml
RT: 9.199 min Scan# 1311
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:178 Resp: 146237

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	20.0	15.4	23.2

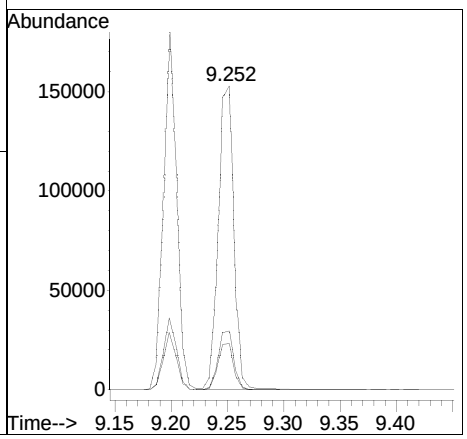


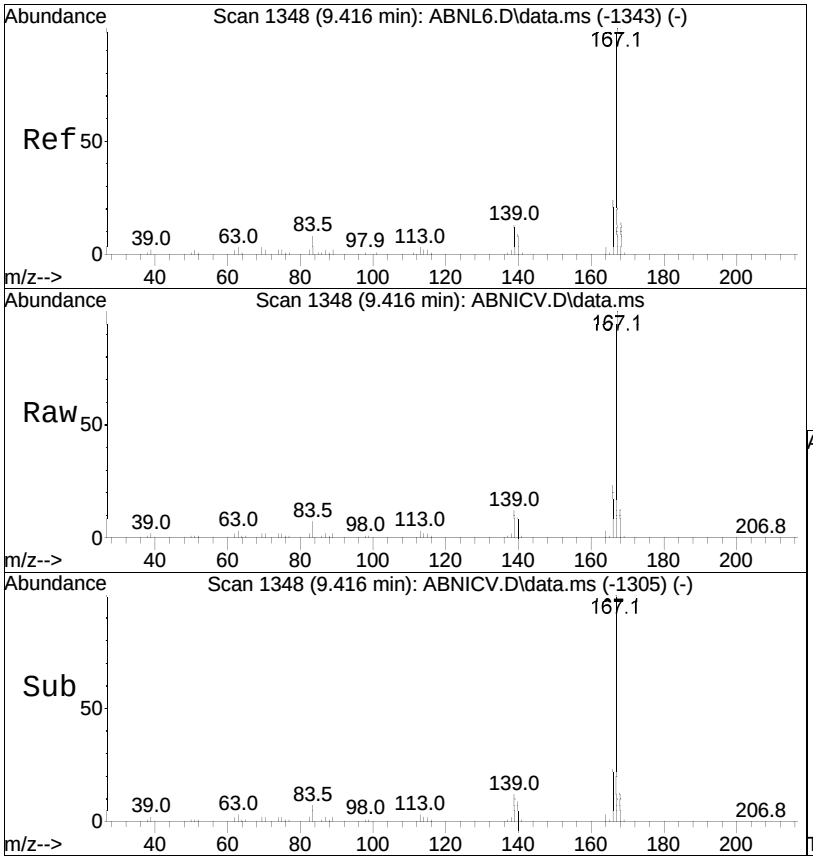


#90
Anthracene
Concen: 4.88 ug/ml
RT: 9.252 min Scan# 1320
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:178 Resp: 147689

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	19.5	15.1	22.7

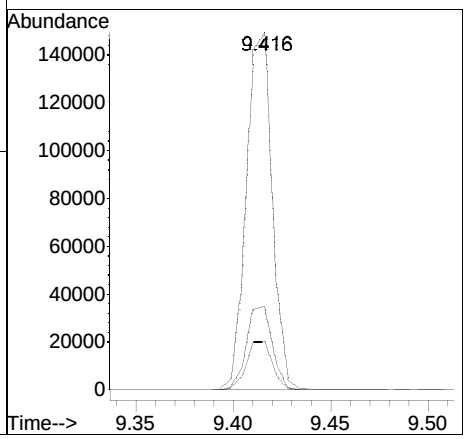


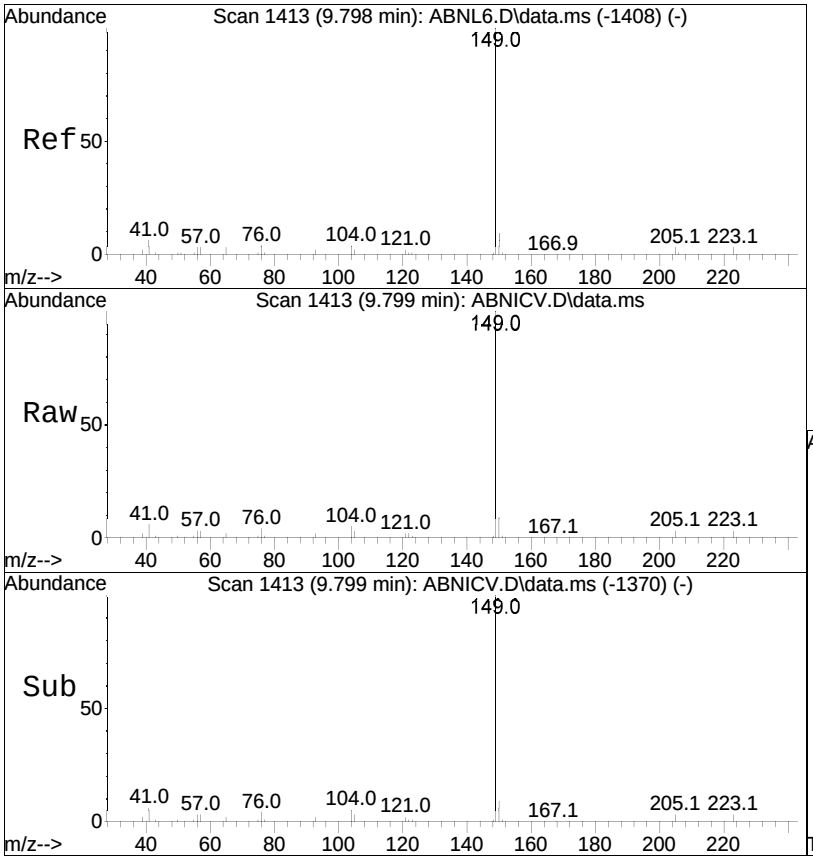


#91
Carbazole
Concen: 4.94 ug/ml
RT: 9.416 min Scan# 1348
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:167 Resp: 136779

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.8	16.2
166	23.4	17.7	26.5

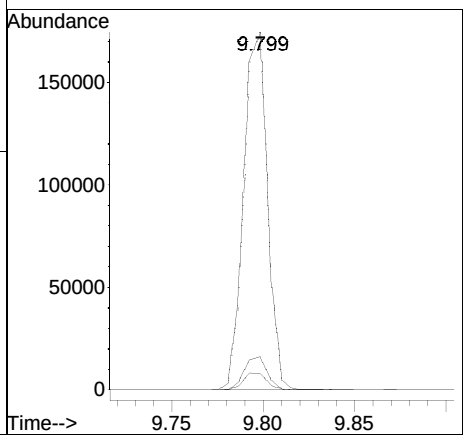


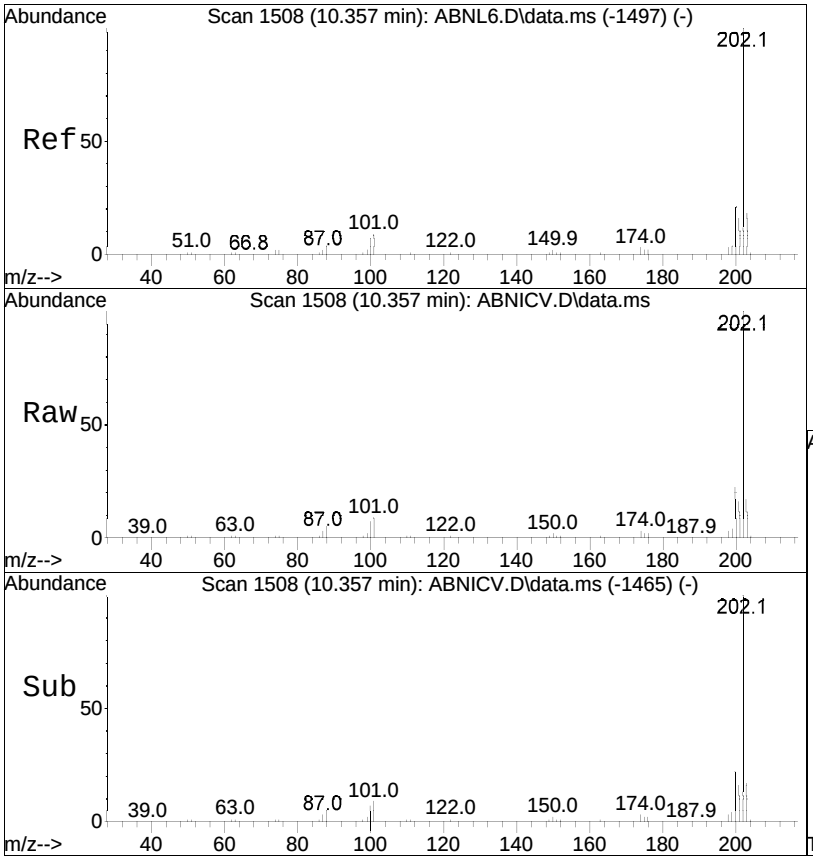


#92
Di-n-butylphthalate
Concen: 5.16 ug/ml
RT: 9.799 min Scan# 1413
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 155812

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.9	4.0	6.0

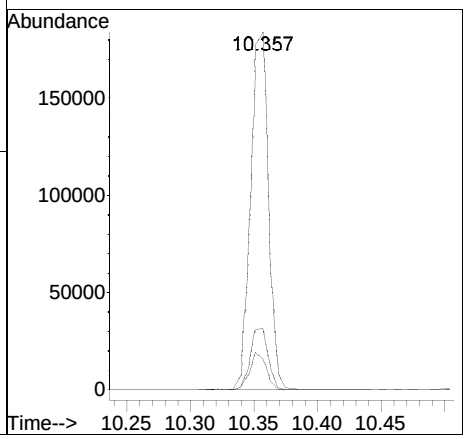


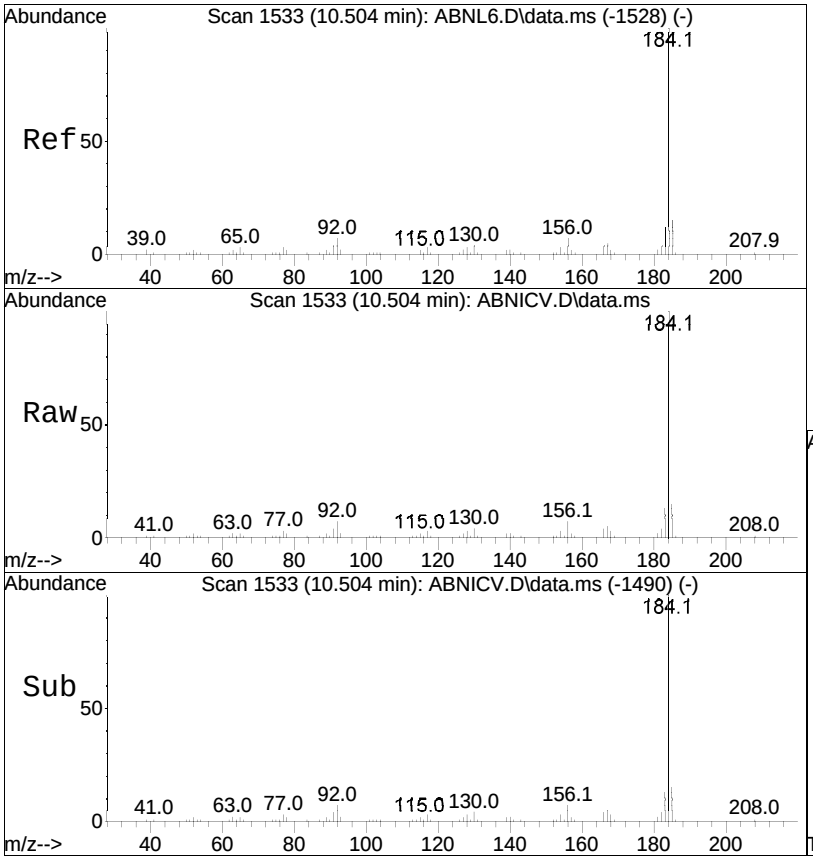


#93
Fluoranthene
Concen: 4.97 ug/ml M3
RT: 10.357 min Scan# 1508
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:202 Resp: 178241

Ion	Ratio	Lower	Upper
202	100		
101	12.5	11.2	16.8
203	19.1	13.7	20.5

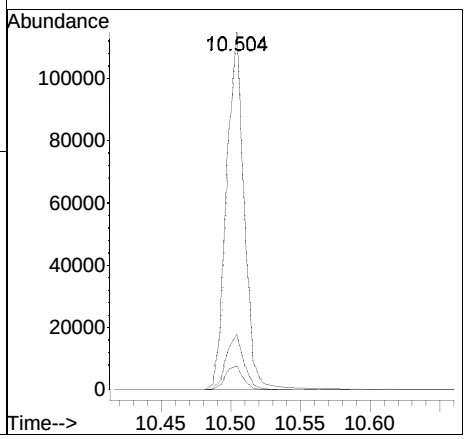


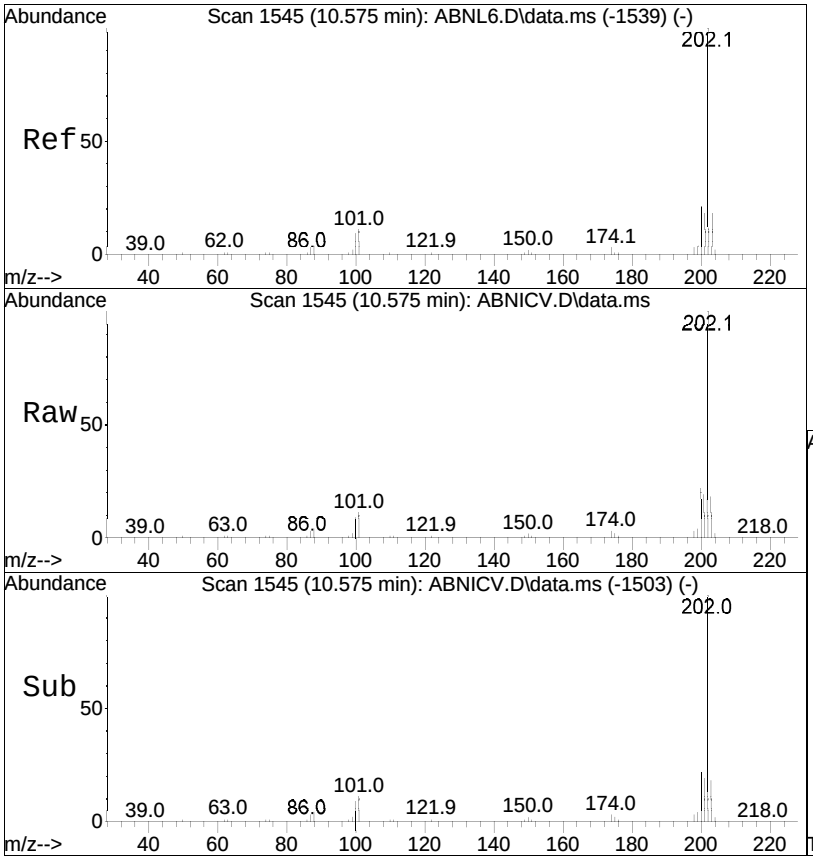


#94
Benzidine
Concen: 5.07 ug/ml
RT: 10.504 min Scan# 1533
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:184 Resp: 99975

Ion	Ratio	Lower	Upper
184	100		
92	6.8	7.3	10.9#
185	15.8	11.8	17.8

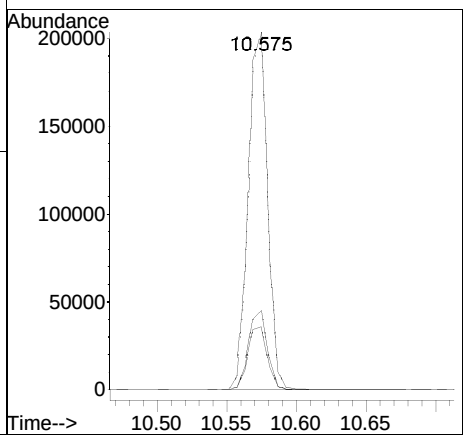


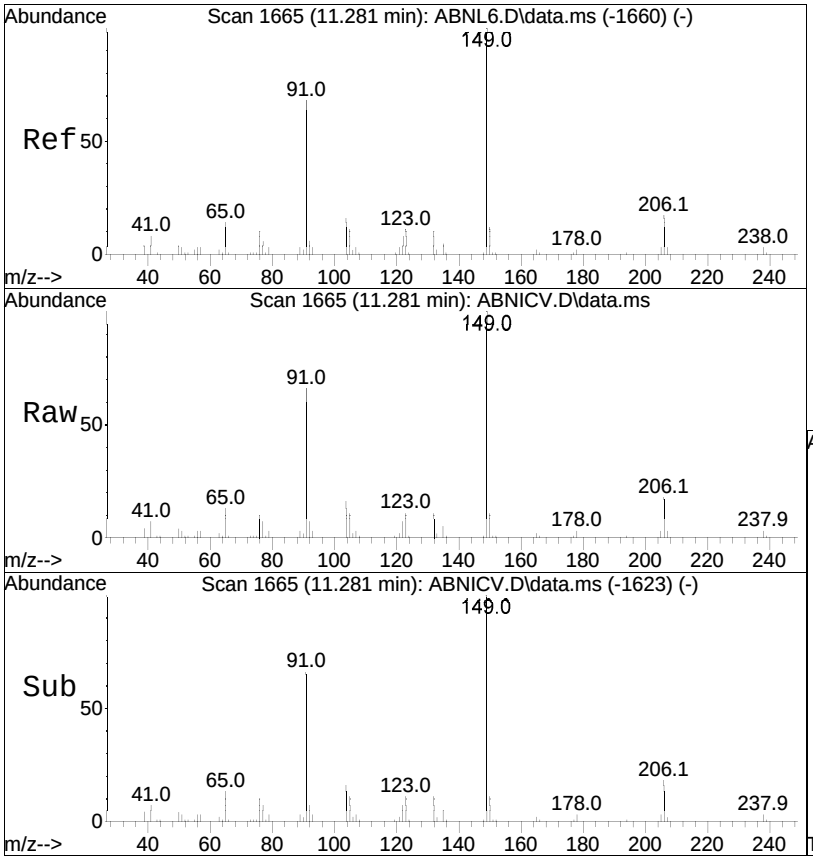


#95
Pyrene
Concen: 5.12 ug/ml
RT: 10.575 min Scan# 1545
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:202 Resp: 194546

Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	18.0	14.3	21.5

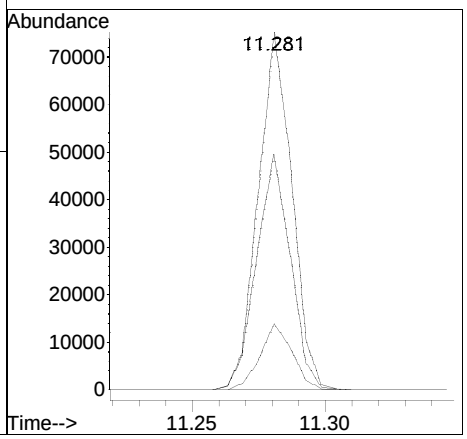


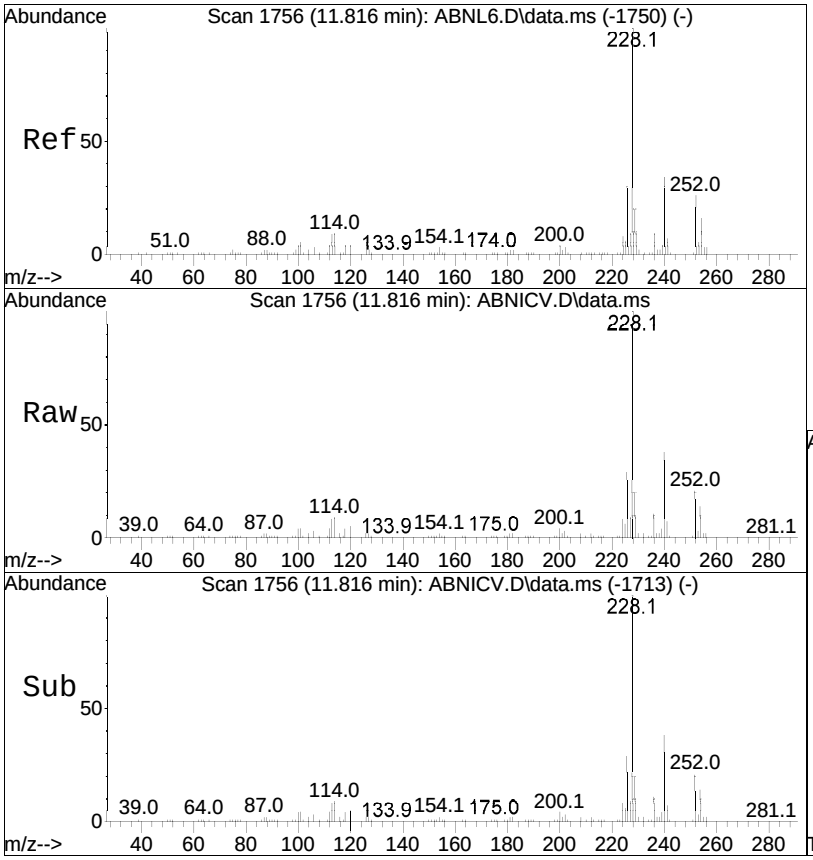


#97
Butyl benzyl phthalate
Concen: 4.89 ug/ml
RT: 11.281 min Scan# 1665
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 65418

Ion	Ratio	Lower	Upper
149	100		
91	66.4	57.9	86.9
206	17.7	11.9	17.9

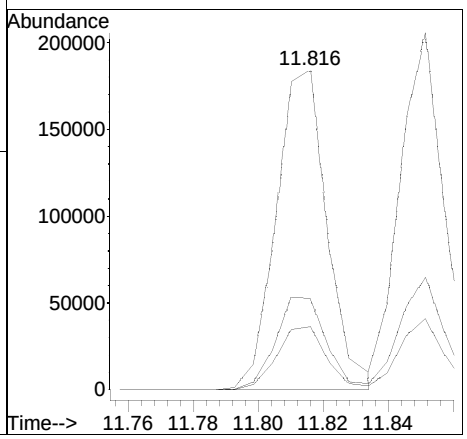


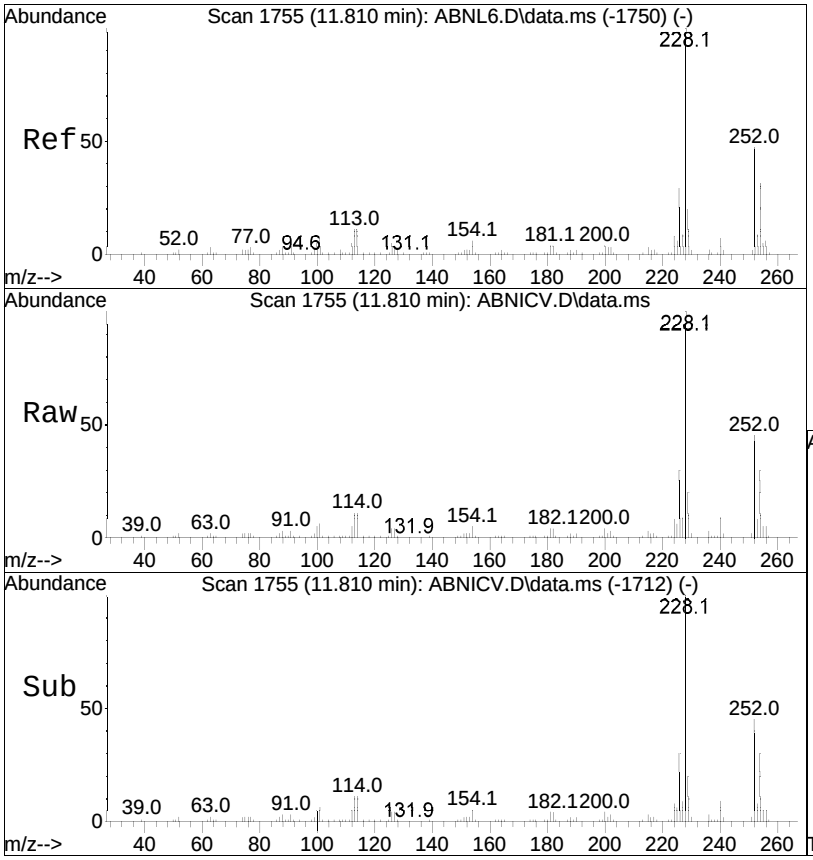


#105
Benzo(a)anthracene
Concen: 4.86 ug/ml
RT: 11.816 min Scan# 1756
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:228 Resp: 199667

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	34.0
229	19.6	15.8	23.6

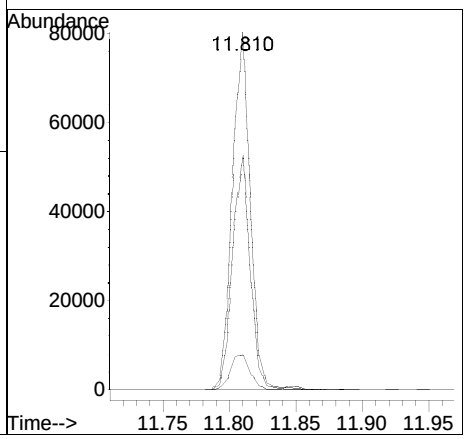


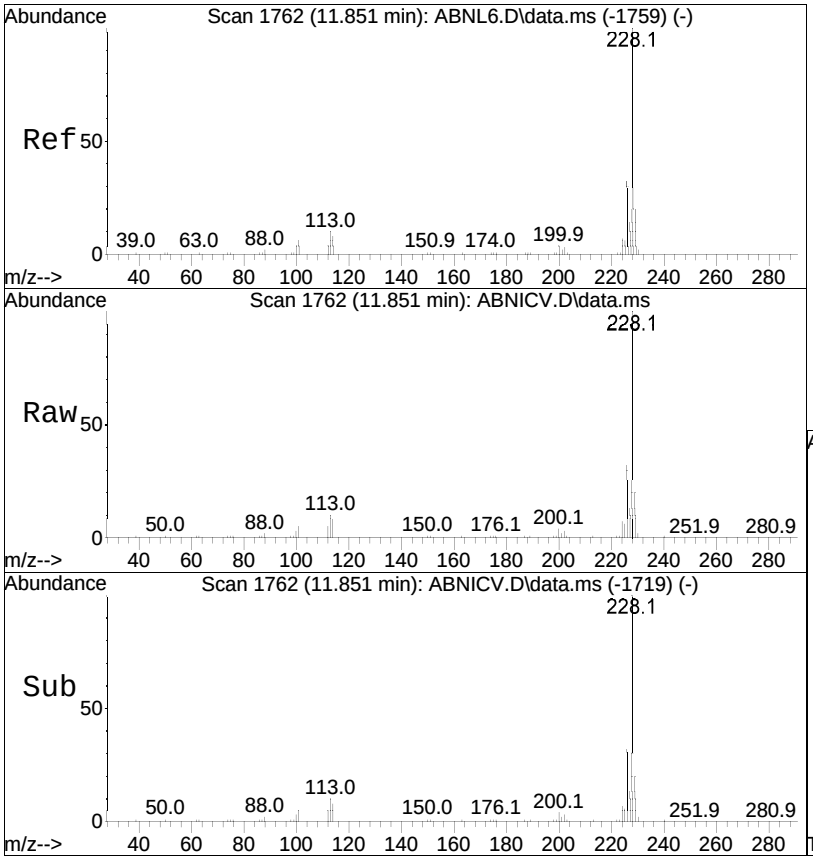


#106
3,3'-Dichlorobenzidine
Concen: 4.98 ug/ml
RT: 11.810 min Scan# 1755
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:252 Resp: 74502

Ion	Ratio	Lower	Upper
252	100		
126	11.0	12.6	19.0#
254	64.6	51.1	76.7

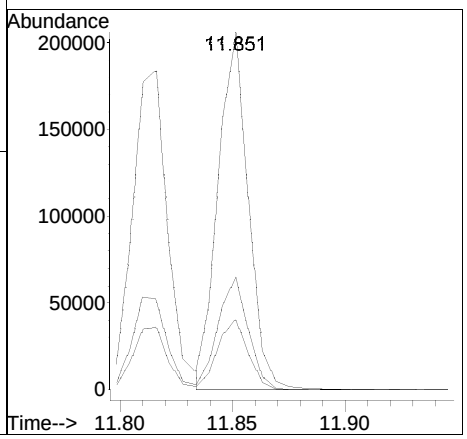


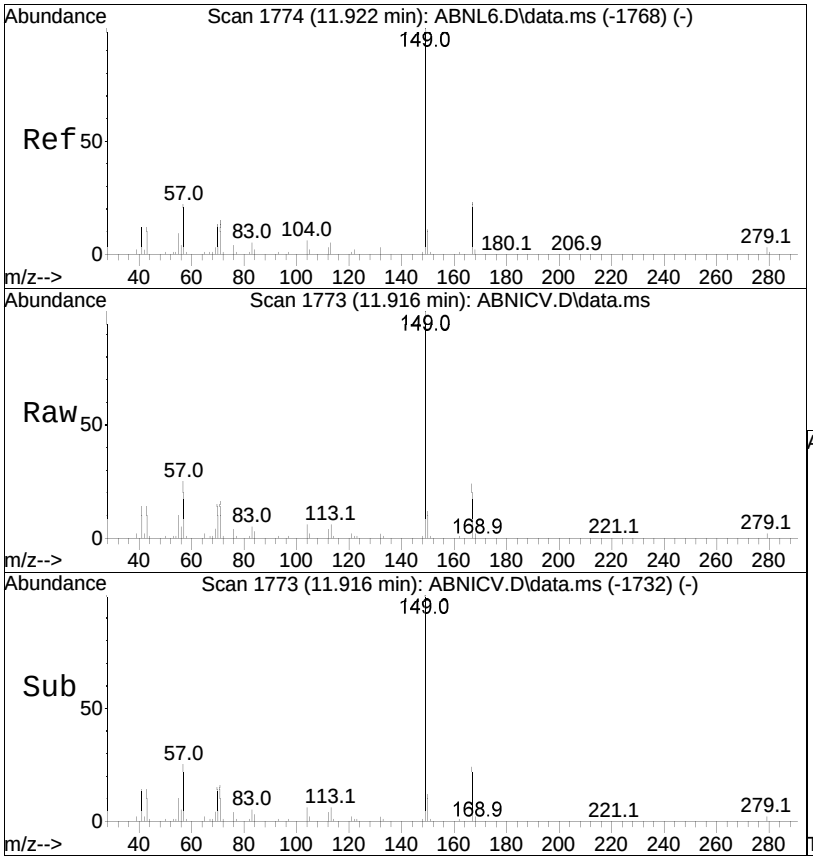


#107
Chrysene
Concen: 4.78 ug/ml
RT: 11.851 min Scan# 1762
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:228 Resp: 192294

Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.7	37.1
229	20.0	15.5	23.3

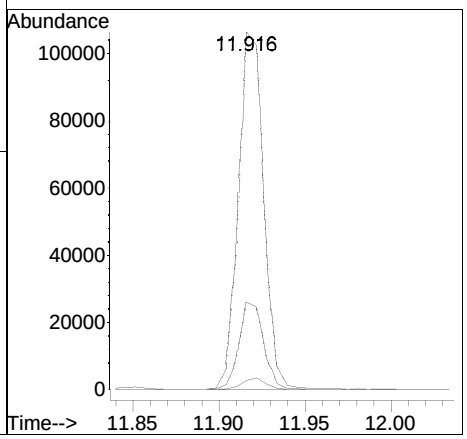


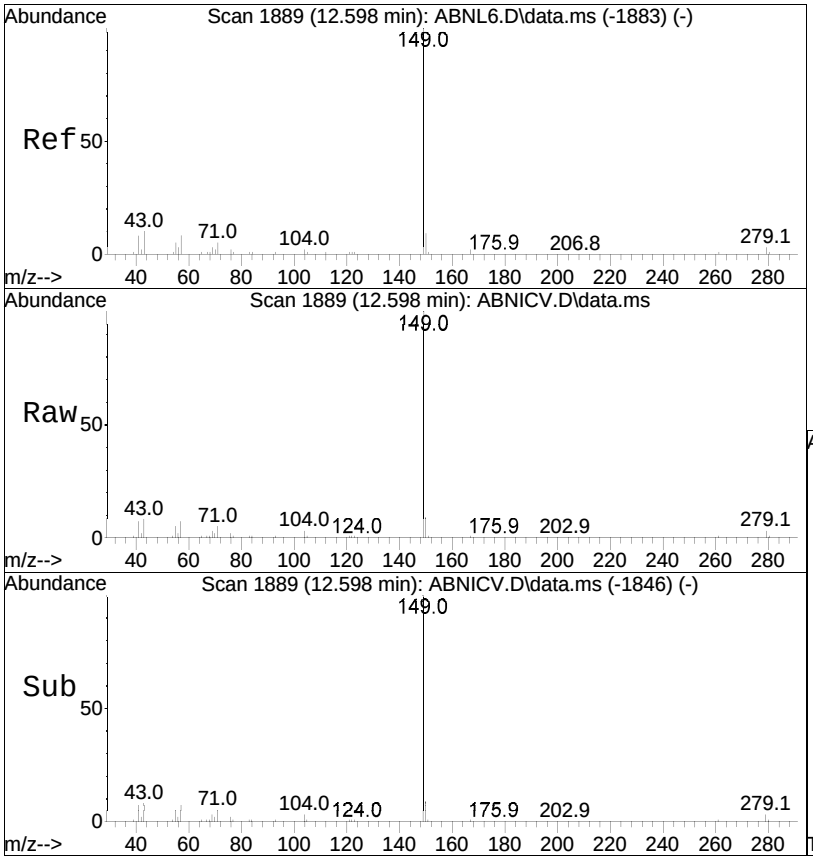


#108
Bis(2-ethylhexyl)phthalate
Concen: 5.26 ug/ml
RT: 11.916 min Scan# 1773
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 107331

Ion	Ratio	Lower	Upper
149	100		
167	23.9	18.4	27.6
279	2.8	1.7	2.5#

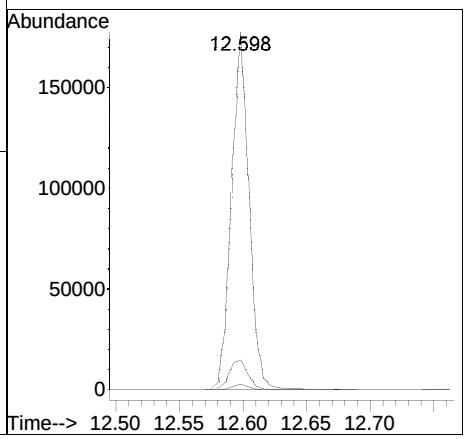


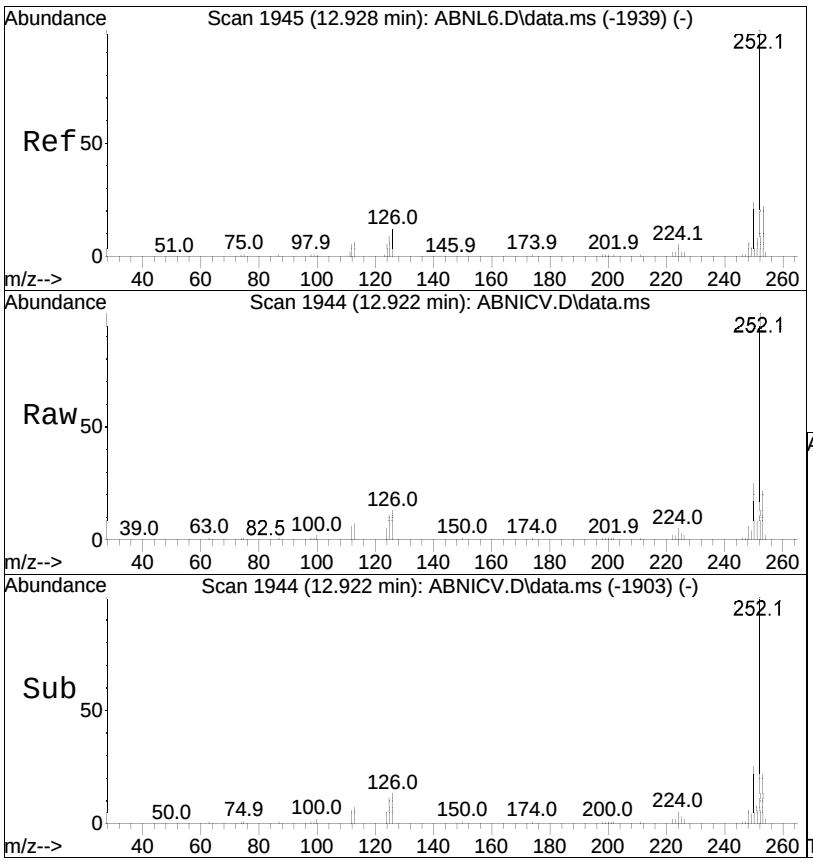


#109
Di-n-octylphthalate
Concen: 5.33 ug/ml
RT: 12.598 min Scan# 1889
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 166682

Ion	Ratio	Lower	Upper
149	100		
43	9.1	8.2	12.2
167	1.4	1.1	1.7

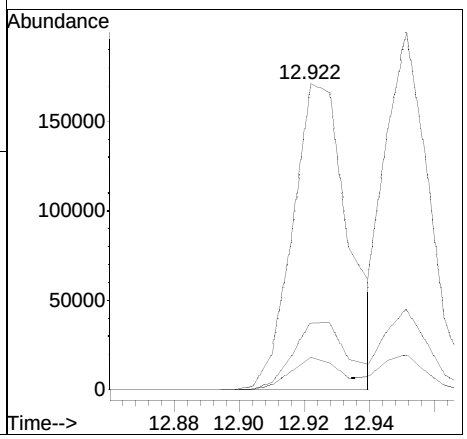


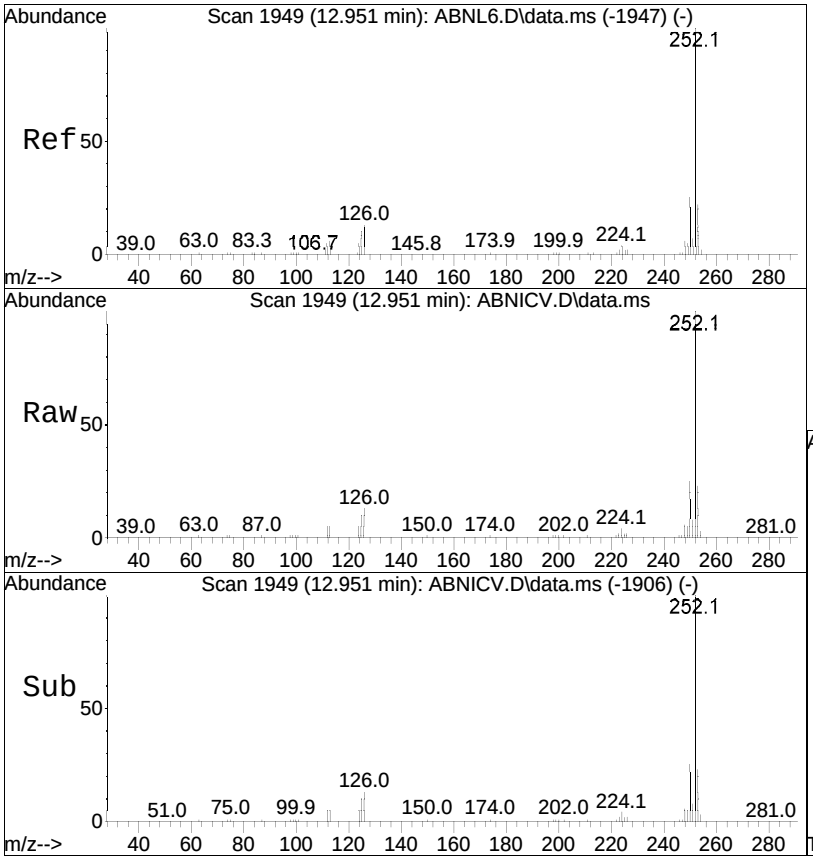


#110
Benzo(b)fluoranthene
Concen: 4.90 ug/ml
RT: 12.922 min Scan# 1944
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:252 Resp: 206155

Ion	Ratio	Lower	Upper
252	100		
125	9.1	11.3	16.9#
253	22.2	17.8	26.8

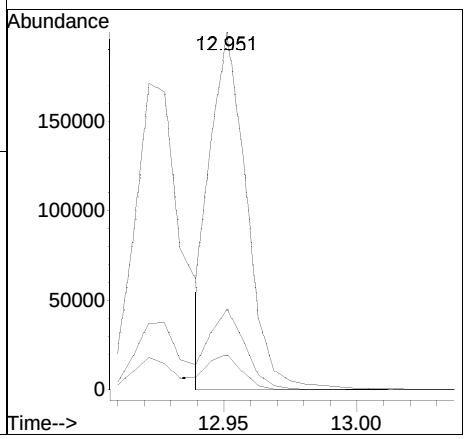


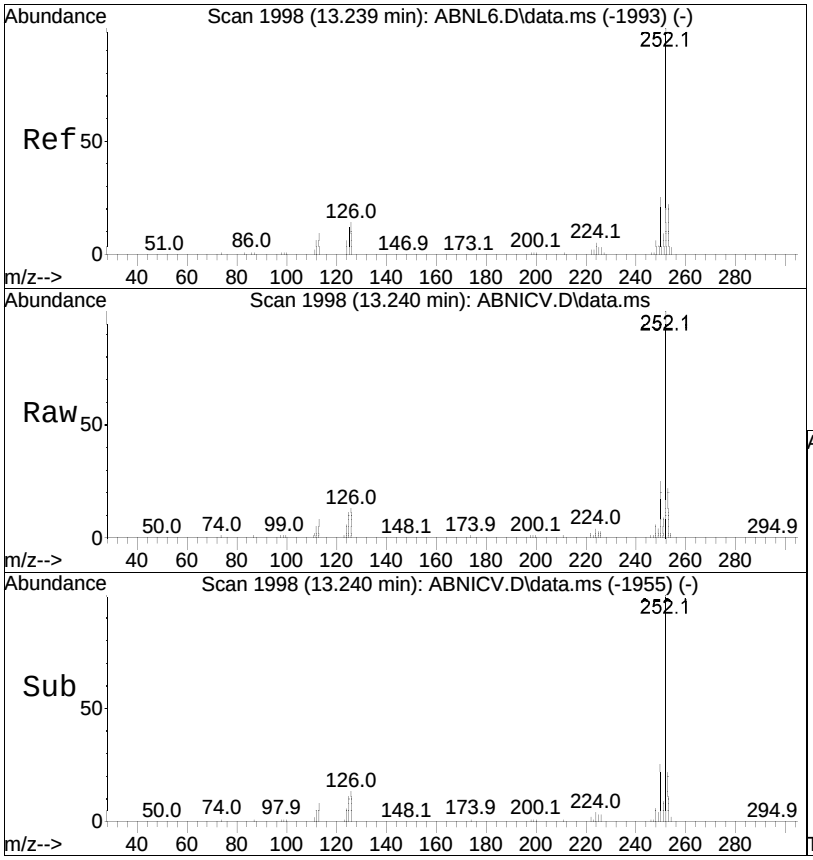


#111
Benzo(k)fluoranthene
Concen: 4.94 ug/ml M3
RT: 12.951 min Scan# 1949
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:252 Resp: 190009

Ion	Ratio	Lower	Upper
252	100		
125	9.8	11.5	17.3#
253	24.1	17.6	26.4

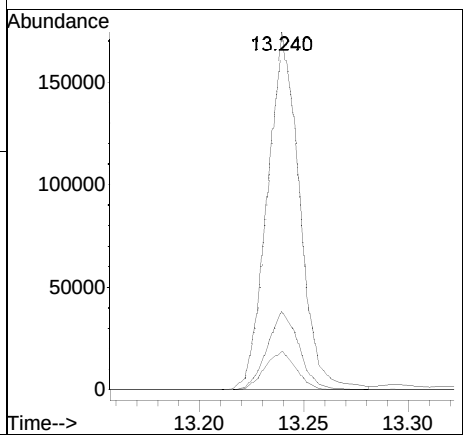


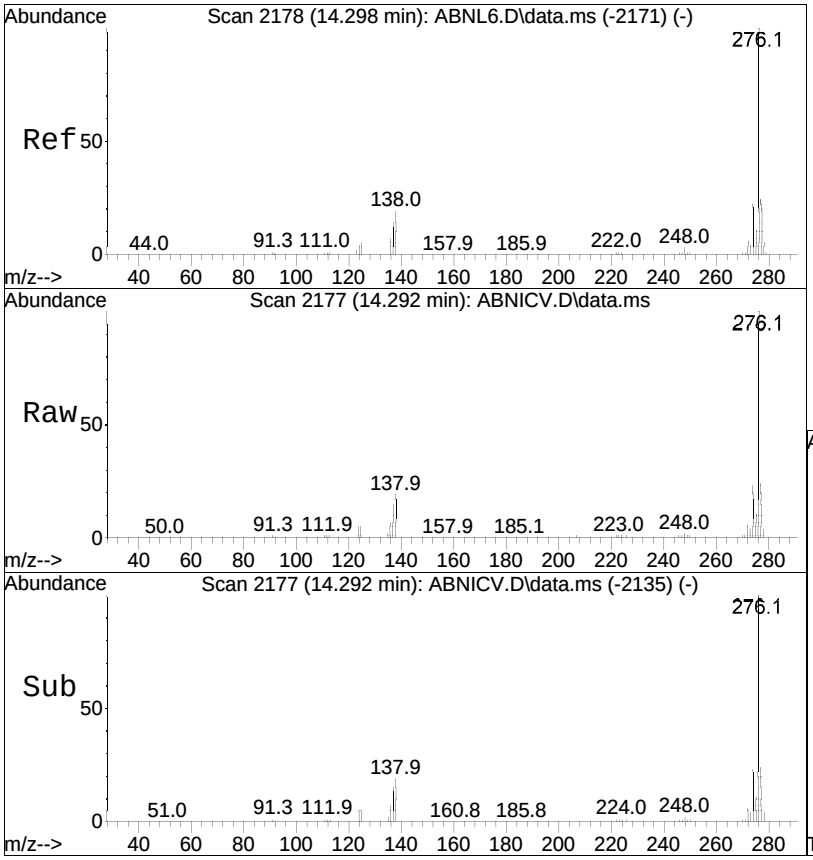


#112
Benzo(a)pyrene
Concen: 5.02 ug/ml
RT: 13.240 min Scan# 1998
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:252 Resp: 184465

Ion	Ratio	Lower	Upper
252	100		
125	11.0	12.6	18.8#
253	22.2	17.5	26.3

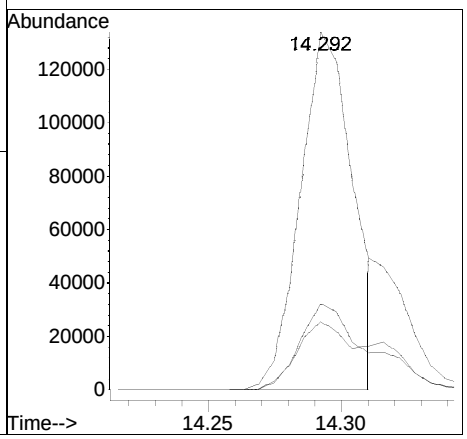


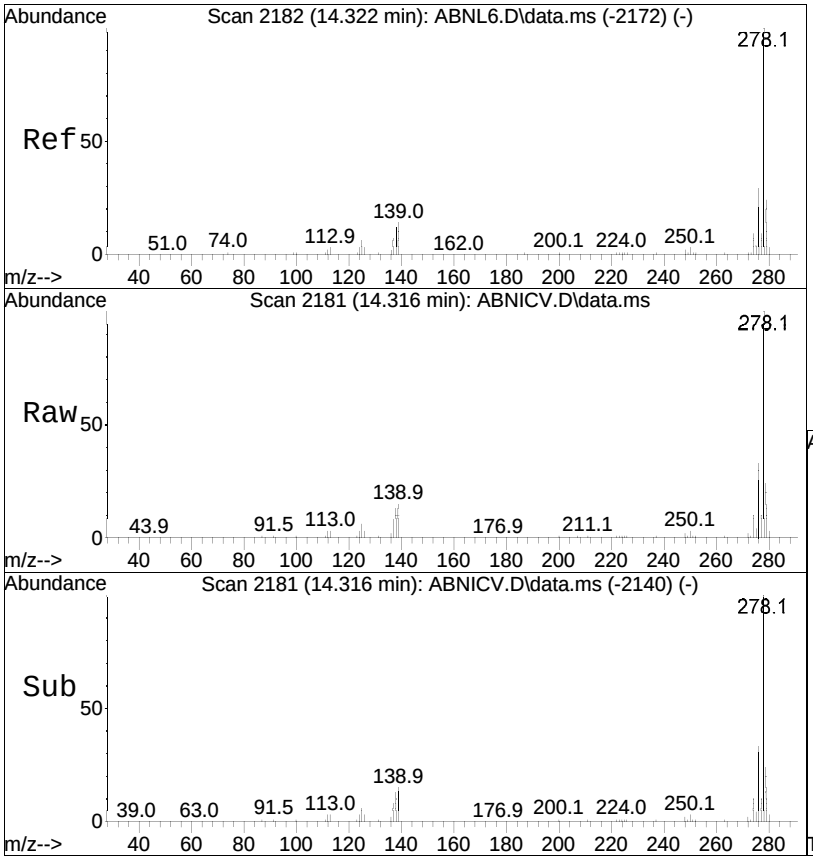


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.60 ug/mL M6
RT: 14.292 min Scan# 2177
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:276 Resp: 184779

Ion	Ratio	Lower	Upper
276	100		
138	30.3	22.1	33.1
277	32.2	19.0	28.6#

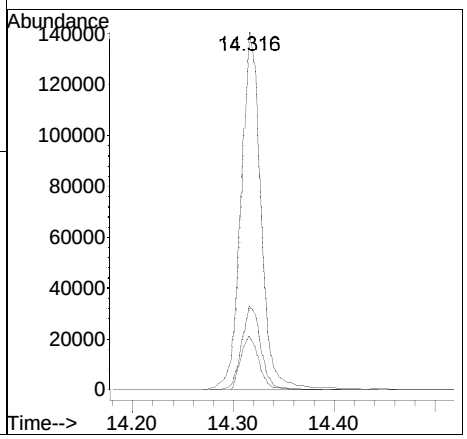


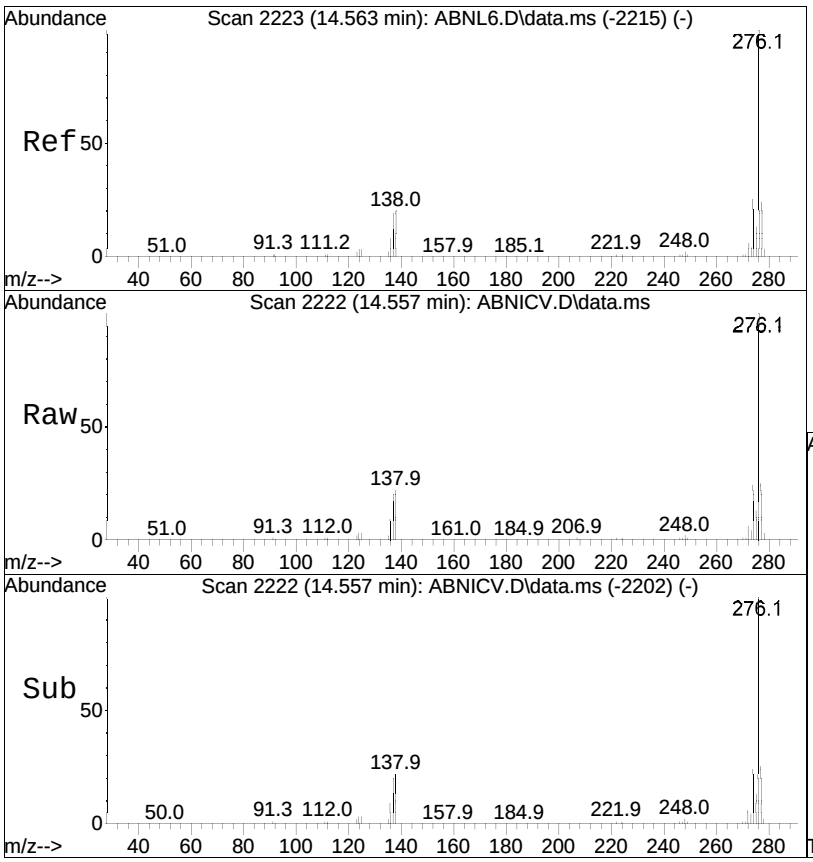


#115
Dibenzo(a,h)anthracene
Concen: 5.01 ug/ml
RT: 14.316 min Scan# 2181
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:278 Resp: 192344

Ion	Ratio	Lower	Upper
278	100		
139	14.0	17.8	26.8#
279	23.1	19.2	28.8

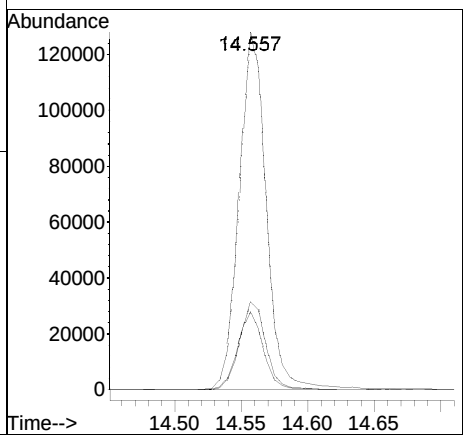




#116
Benzo(ghi)perylene
Concen: 4.62 ug/ml
RT: 14.557 min Scan# 2222
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:276 Resp: 178871

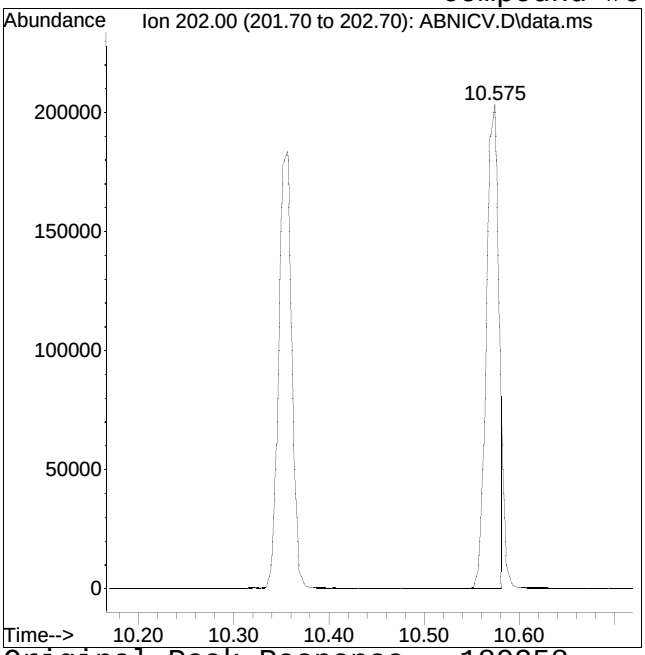
Ion	Ratio	Lower	Upper
276	100		
138	21.3	21.9	32.9#
277	24.5	18.4	27.6

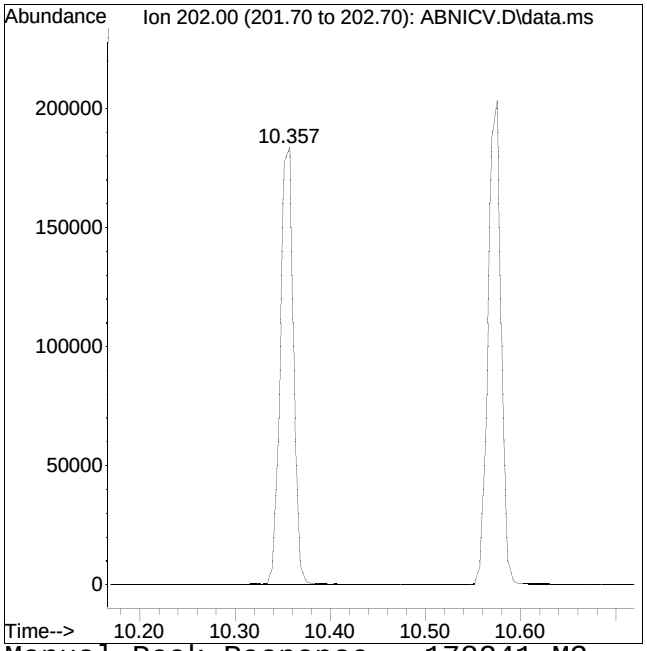


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNICV.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 3:16 am Instrument : SV112
Sample : CQICV1,32,,ABNICV Lot# 108Quant Date : 6/30/2024 2:26 pm

Compound #93: Fluoranthene





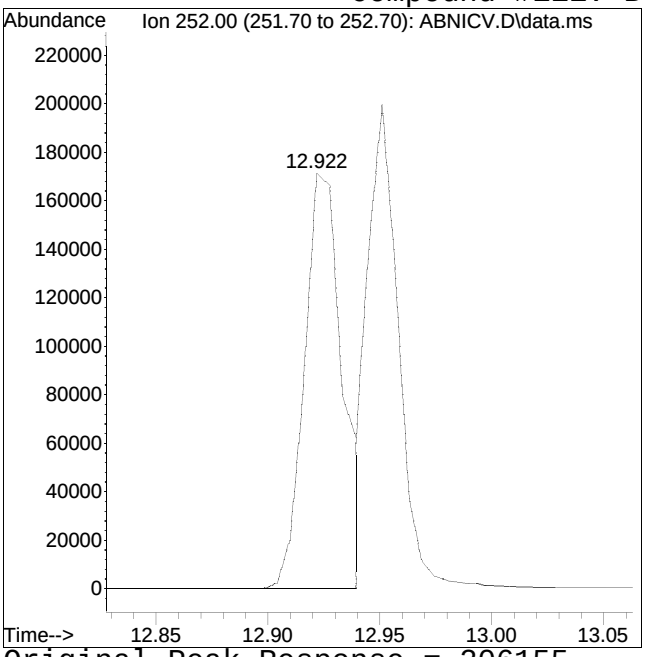
Original Peak Response = 189258 Manual Peak Response = 178241 M3

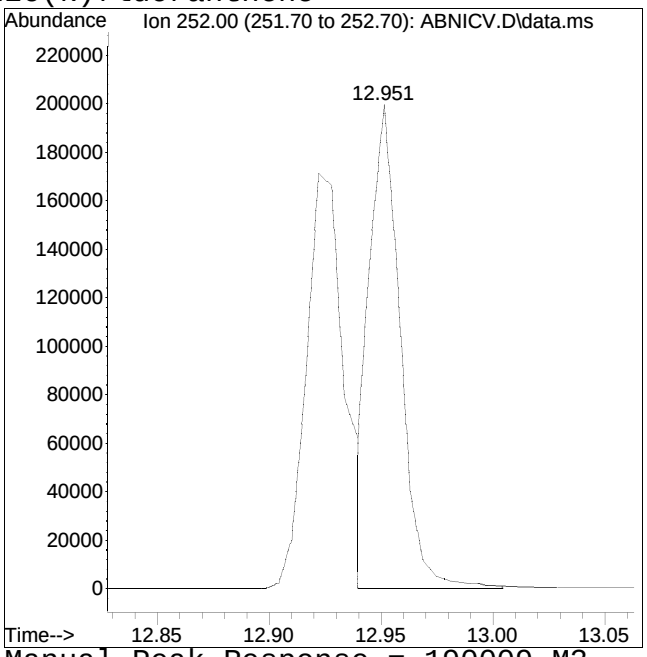
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNICV.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 3:16 am Instrument : SV112
Sample : CQICV1,32,,ABNICV Lot# 108Quant Date : 6/30/2024 2:26 pm

Compound #111: Benzo(k)fluoranthene





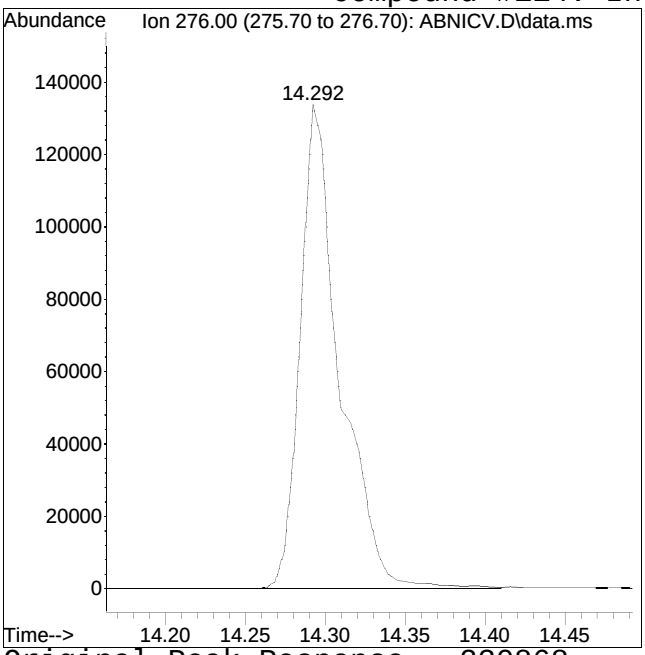
Original Peak Response = 206155 Manual Peak Response = 190009 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

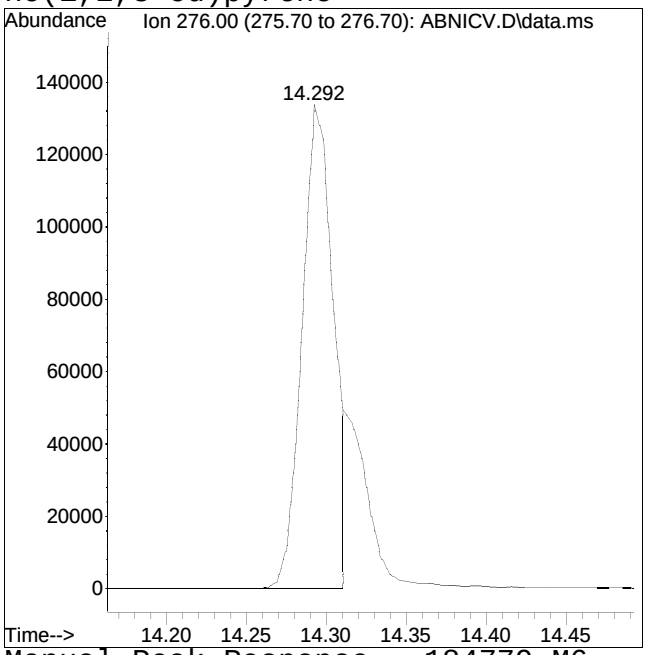
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNICV.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 3:16 am Instrument : SV112
Sample : CQICV1,32,,ABNICV Lot# 108Quant Date : 6/30/2024 2:26 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 230868



Manual Peak Response = 184779 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9ICV.D
Acq On : 26 Jun 2024 03:39 am
Operator : SV112:mrg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939943
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 30 14:37:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:25:57 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	92	0.00
28	T	Benzaldehyde		1.094	1.014	7.3	86	0.00
29	T	Acetophenone		1.903	1.766	7.2	81	0.00
30	T	m-Toluidine		1.828	1.725	5.6	83	0.00
31	T	2-Chloroaniline		1.742	1.622	6.9	83	0.00
55	I	IS2_Naphthalene-d8		1.000	1.000	0.0	86	0.00
56	T	a-Terpineol		0.277	0.261	5.8	81	0.00
57	T	3-Chloroaniline		0.150	0.136	9.3	78	0.00
58	T	2,6-Dichlorophenol		0.326	0.310	4.9	80	0.00
59	T	1-chloro-2-nitrobenzene		0.143	0.138	3.5	81	0.00
60	T	Caprolactam	*	5.000	4.063	18.7	73	0.00
61	T	1,2,4,5-Tetrachlorobenzene		0.479	0.446	6.9	81	0.00
62	T	Biphenyl		1.026	0.921	10.2	78	0.00
83	I	IS2_Acenaphthene-d10		1.000	1.000	0.0	82	0.00
84	T	Dichloran	*	5.000	3.777	24.5#	69	0.00
85	T	Pentachloronitrobenzene		0.235	0.192	18.3	70	0.00
98	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	79	0.00
99	T	Diphenamid		0.515	0.462	10.3	69	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9ICV.D
Acq On : 26 Jun 2024 03:39 am
Operator : SV112:mrg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939943
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 30 14:37:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:25:57 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	19496	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 91.85%				
55) IS2_Naphthalene-d8	6.040	136	70493	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 86.02%				
83) IS2_Acenaphthene-d10	7.746	164	42386	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 81.83%				
98) IS2_Phenanthrene-d10	9.175	188	93506	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 79.14%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.369	105	24722	4.638	ug/ml		99
29) Acetophenone	5.199	105	43034	4.639	ug/ml		97
30) m-Toluidine	5.281	106	42038	4.718	ug/ml		97
31) 2-Chloroaniline	5.646	127	39533	4.657	ug/ml		97
56) a-Terpineol	6.093	59	23032	4.714	ug/ml		94
57) 3-Chloroaniline	6.105	65	11948	4.514	ug/ml		86
58) 2,6-Dichlorophenol	6.134	162	27335	4.755	ug/ml	#	90
59) 1-chloro-2-nitrobenzene	6.387	111	12170	4.821	ug/ml		95
60) Caprolactam	6.416	55	11582	4.063	ug/ml		89
61) 1,2,4,5-Tetrachloroben...	6.904	216	39341	4.659	ug/ml	#	94
62) Biphenyl	7.199	154	81125	4.485	ug/ml		98
84) Dichloran	8.869	206	8814	3.777	ug/ml	#	73
85) Pentachloronitrobenzene	9.022	237	10155	4.082	ug/ml	#	82
99) Diphenamid	10.075	167	54038	4.489	ug/ml		84

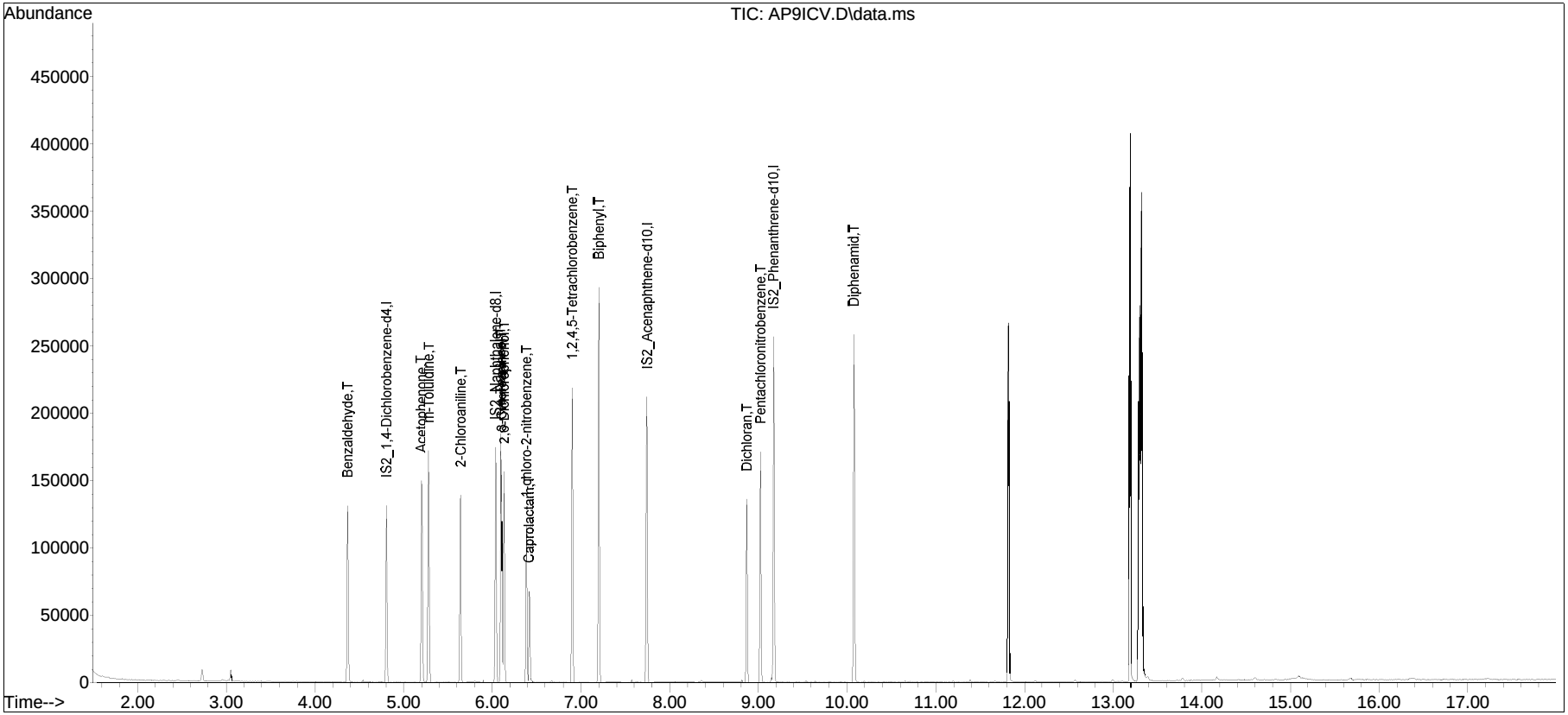
(#) = qualifier out of range (m) = manual integration (+) = signals summed

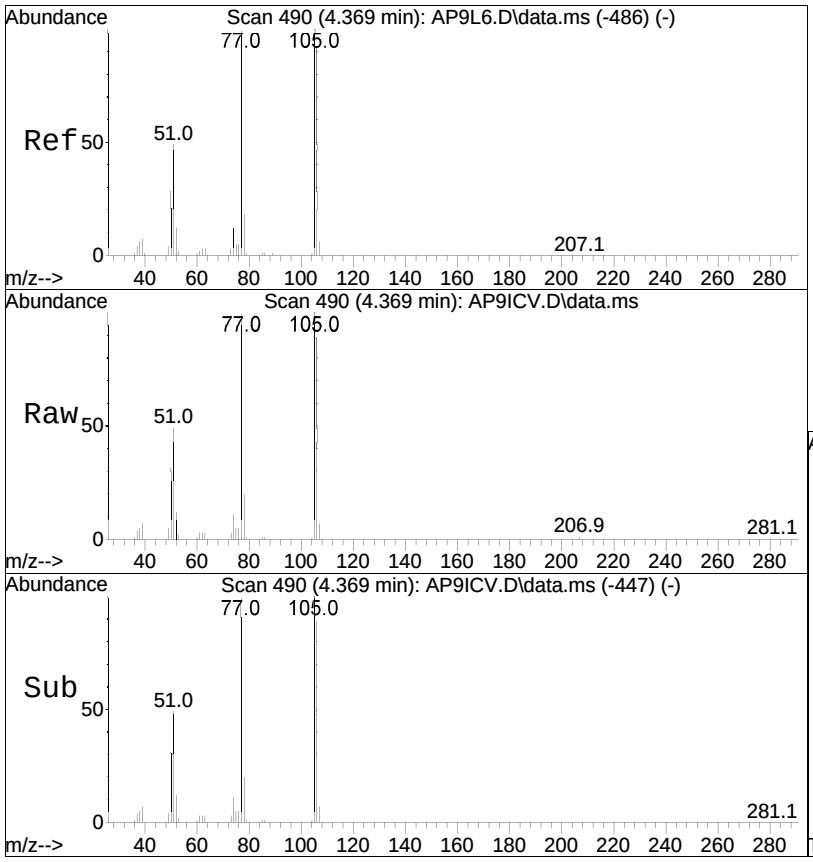
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9ICV.D
Acq On : 26 Jun 2024 03:39 am
Operator : SV112:mrg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939943
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 30 14:37:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:25:57 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

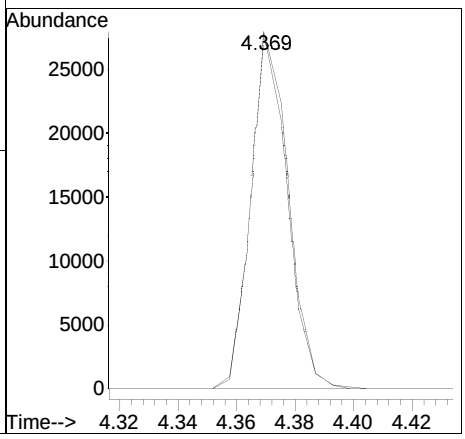


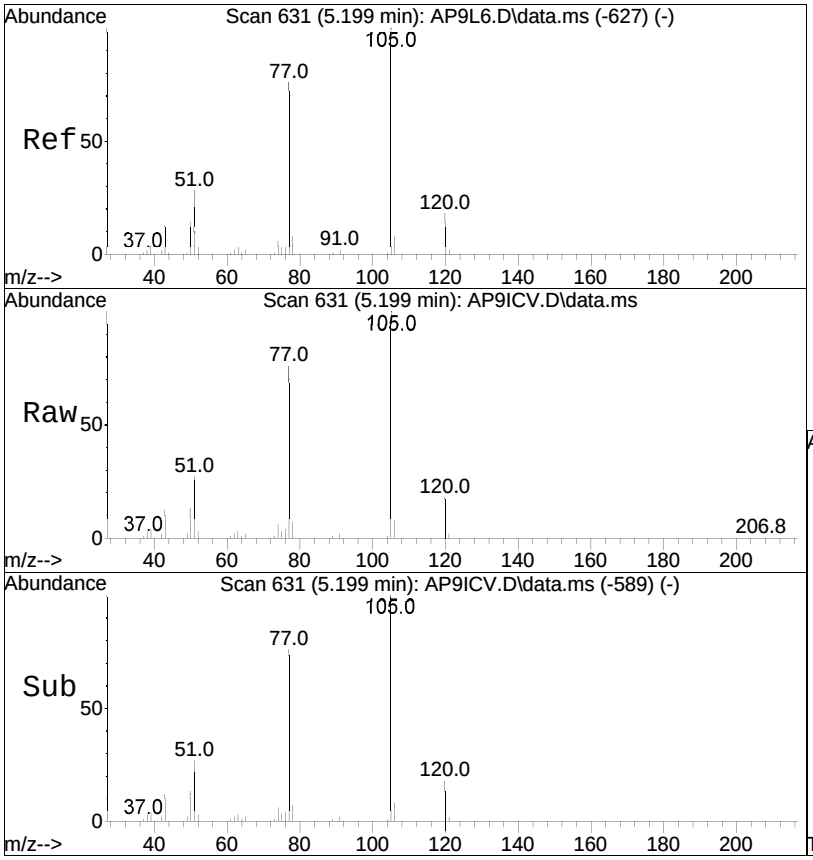


#28
Benzaldehyde
Concen: 4.64 ug/ml
RT: 4.369 min Scan# 490
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:105 Resp: 24722

Ion	Ratio	Lower	Upper
105	100		
77	97.2	77.0	115.6

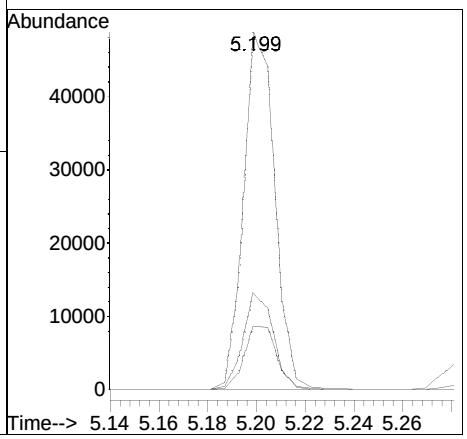


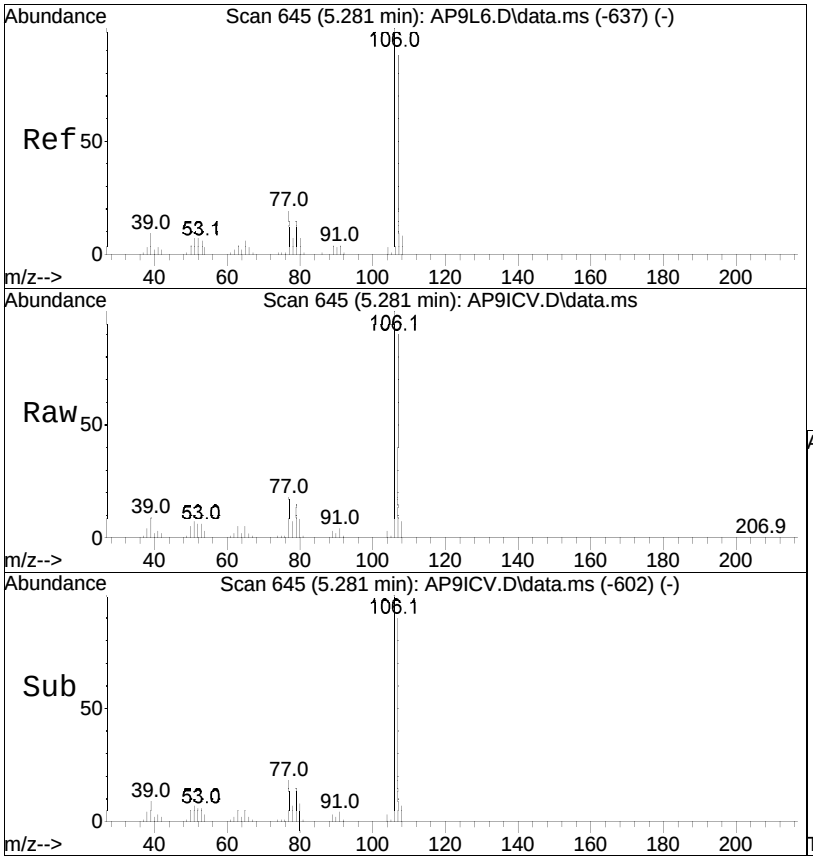


#29
Acetophenone
Concen: 4.64 ug/ml
RT: 5.199 min Scan# 631
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:105 Resp: 43034

Ion	Ratio	Lower	Upper
105	100		
120	18.5	15.2	22.8
51	26.4	23.1	34.7

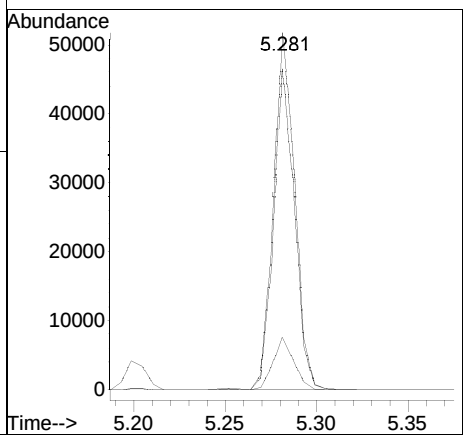


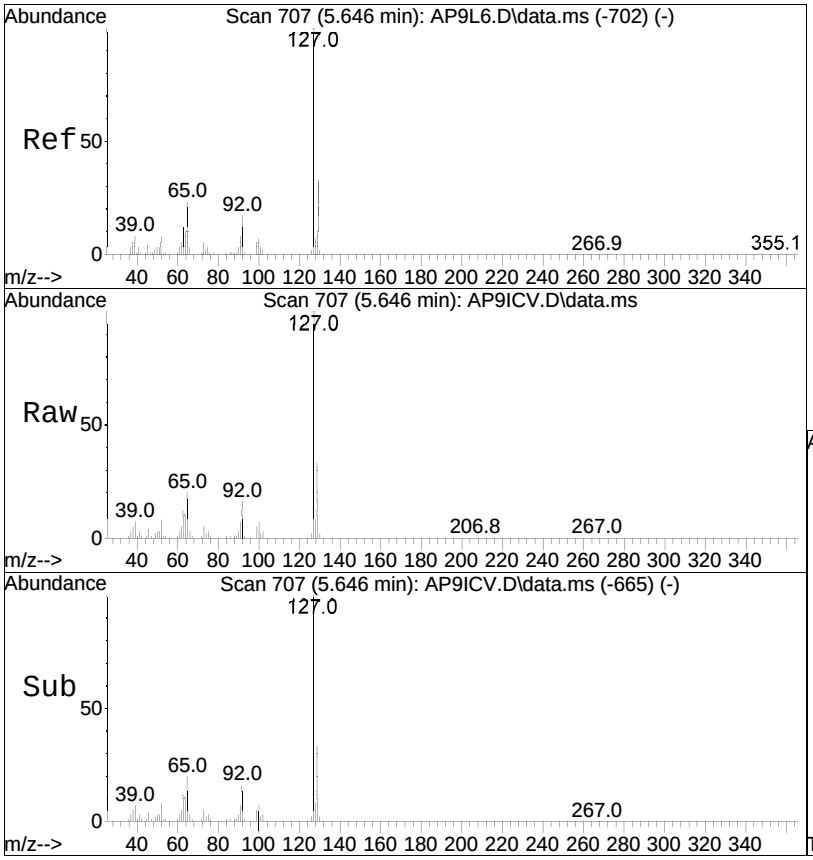


#30
m-Toluidine
Concen: 4.72 ug/ml
RT: 5.281 min Scan# 645
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:106 Resp: 42038

Ion	Ratio	Lower	Upper
106	100		
107	87.6	72.3	108.5
79	14.2	12.2	18.2

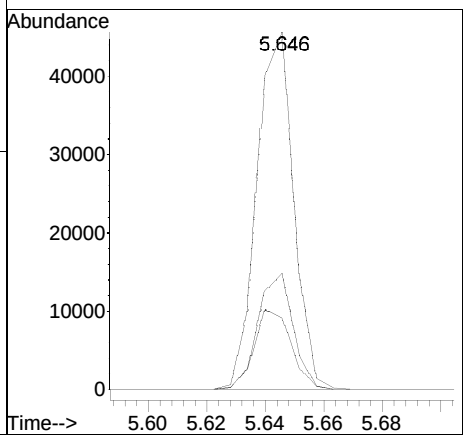


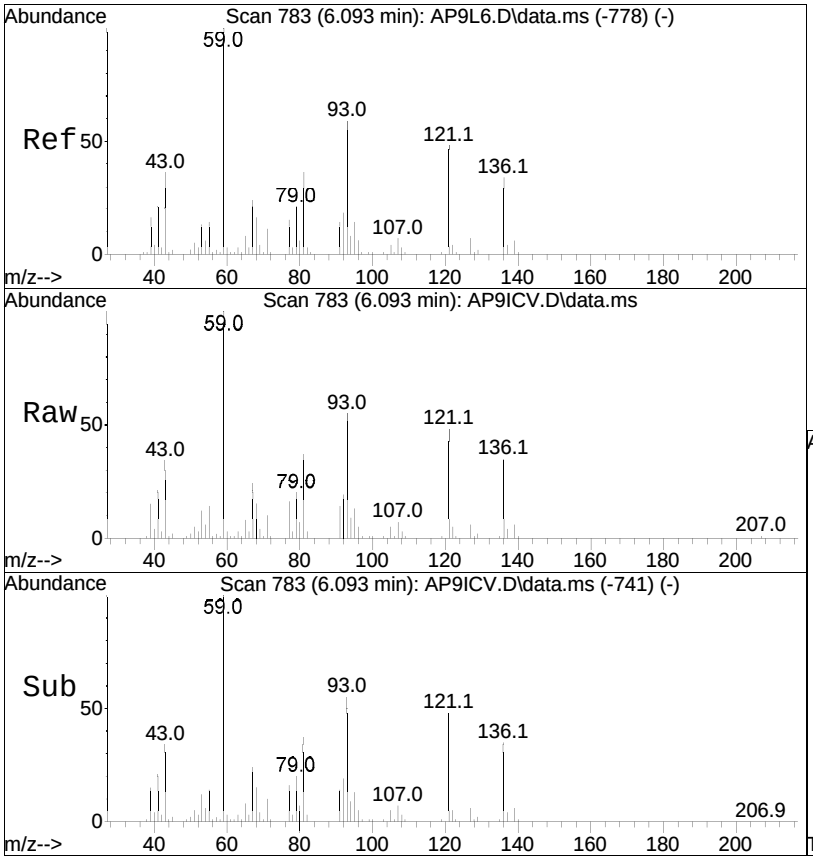


#31
2-Chloroaniline
Concen: 4.66 ug/ml
RT: 5.646 min Scan# 707
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:127 Resp: 39533

Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.7	38.5
65	22.8	20.5	30.7

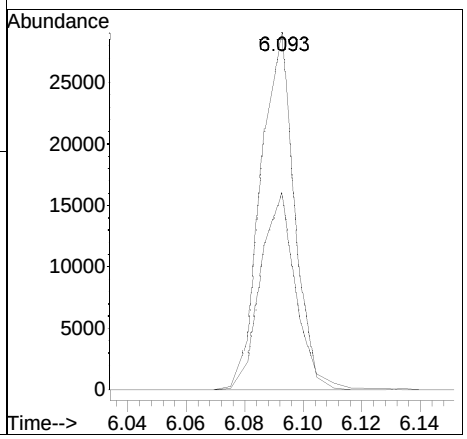


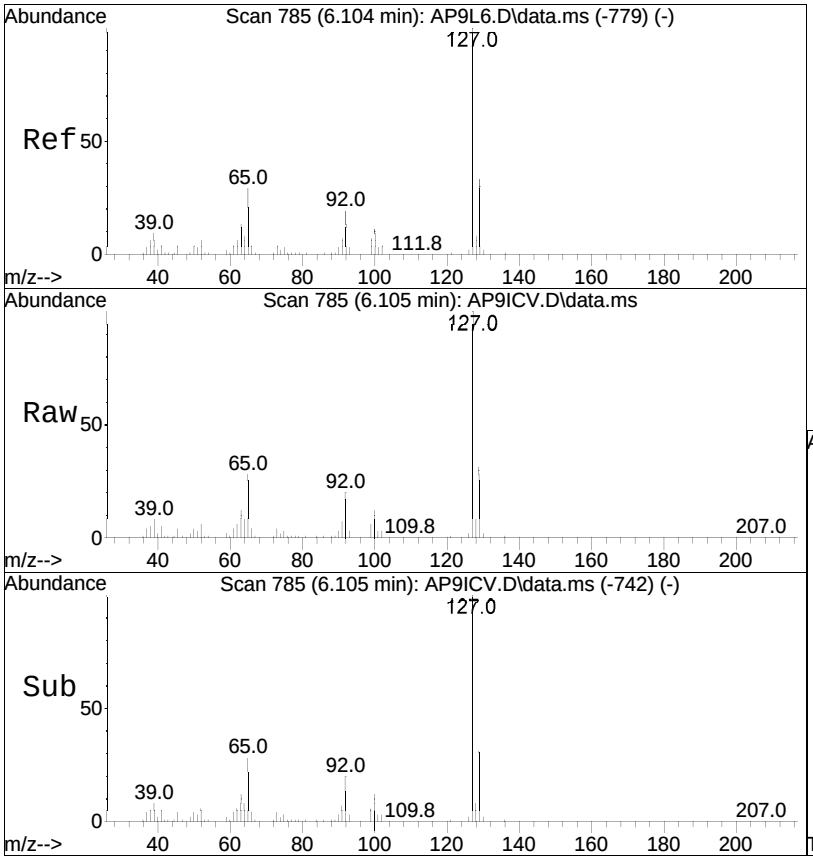


#56
a-Terpineol
Concen: 4.71 ug/ml
RT: 6.093 min Scan# 783
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion: 59 Resp: 23032

Ion	Ratio	Lower	Upper
59	100		
93	58.6	43.5	65.3

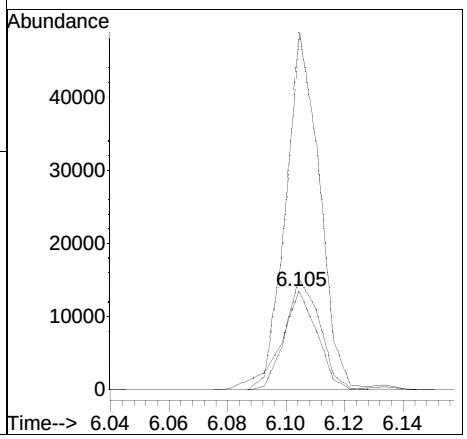


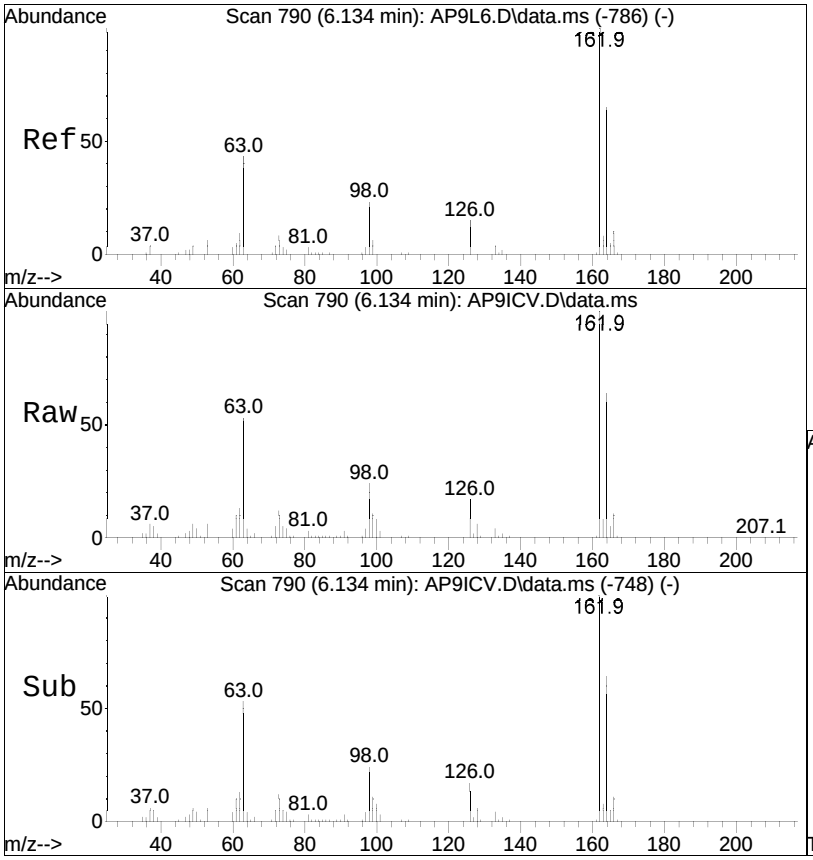


#57
3-Chloroaniline
Concen: 4.51 ug/ml
RT: 6.105 min Scan# 785
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion: 65 Resp: 11948

Ion	Ratio	Lower	Upper
65	100		
127	327.4	236.6	355.0
129	104.6	76.6	115.0

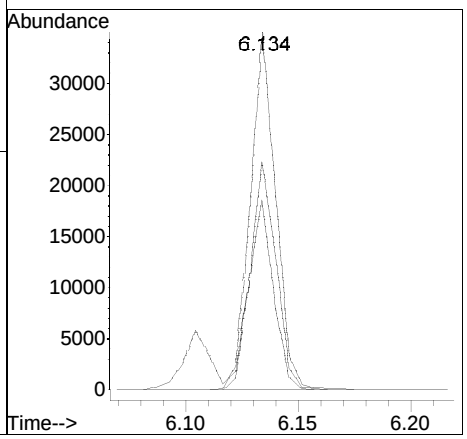


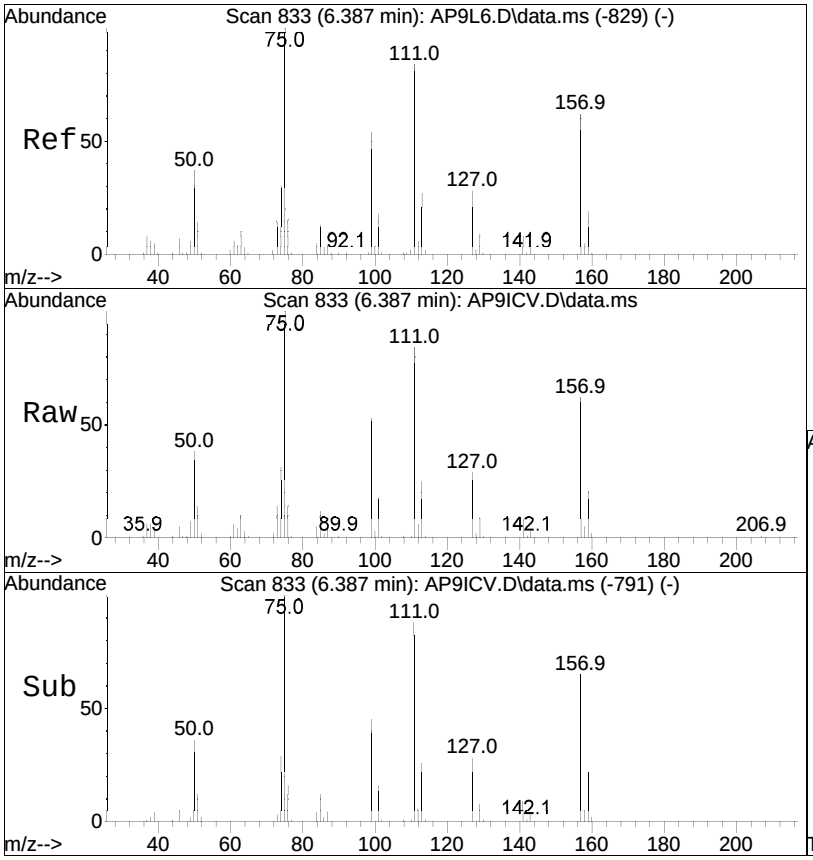


#58
2,6-Dichlorophenol
Concen: 4.76 ug/ml
RT: 6.134 min Scan# 790
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:162 Resp: 27335

Ion	Ratio	Lower	Upper
162	100		
164	64.1	50.8	76.2
63	52.1	53.6	80.4#

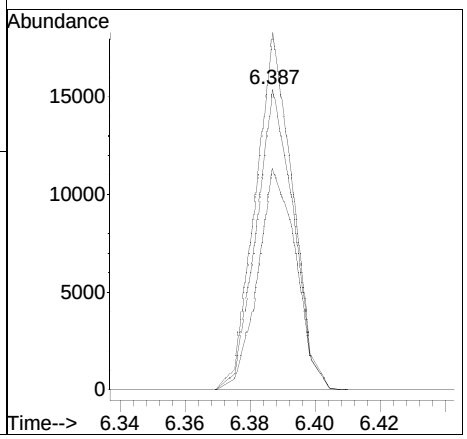


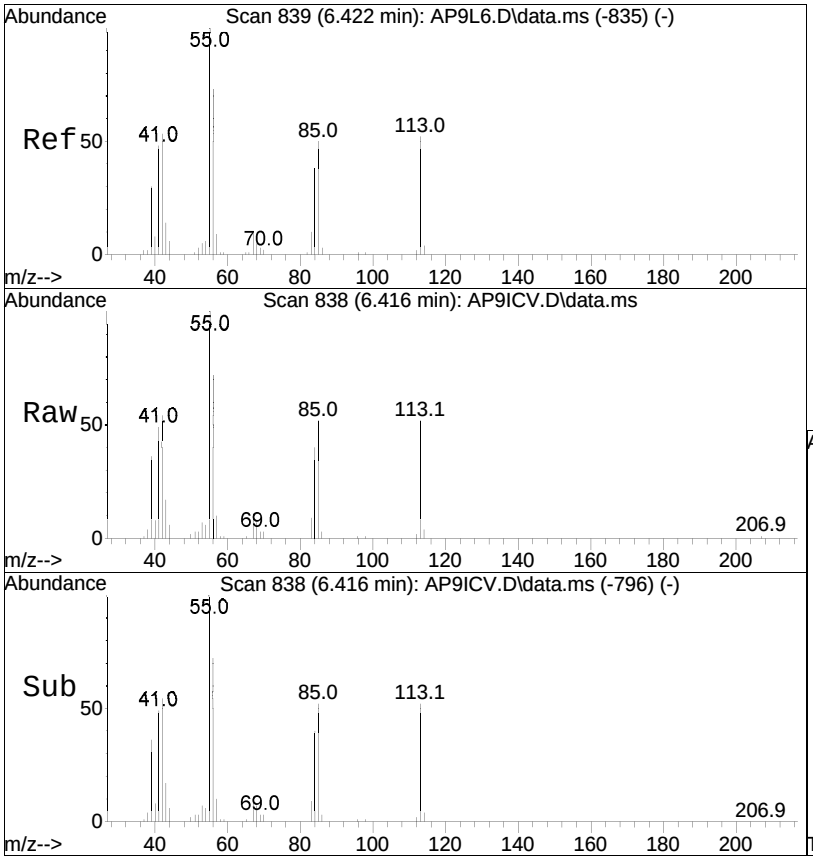


#59
1-chloro-2-nitrobenzene
Concen: 4.82 ug/ml
RT: 6.387 min Scan# 833
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:111 Resp: 12170

Ion	Ratio	Lower	Upper
111	100		
157	75.7	56.2	84.2
75	118.1	97.8	146.6

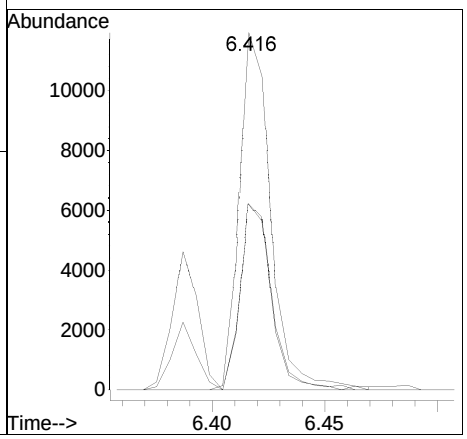


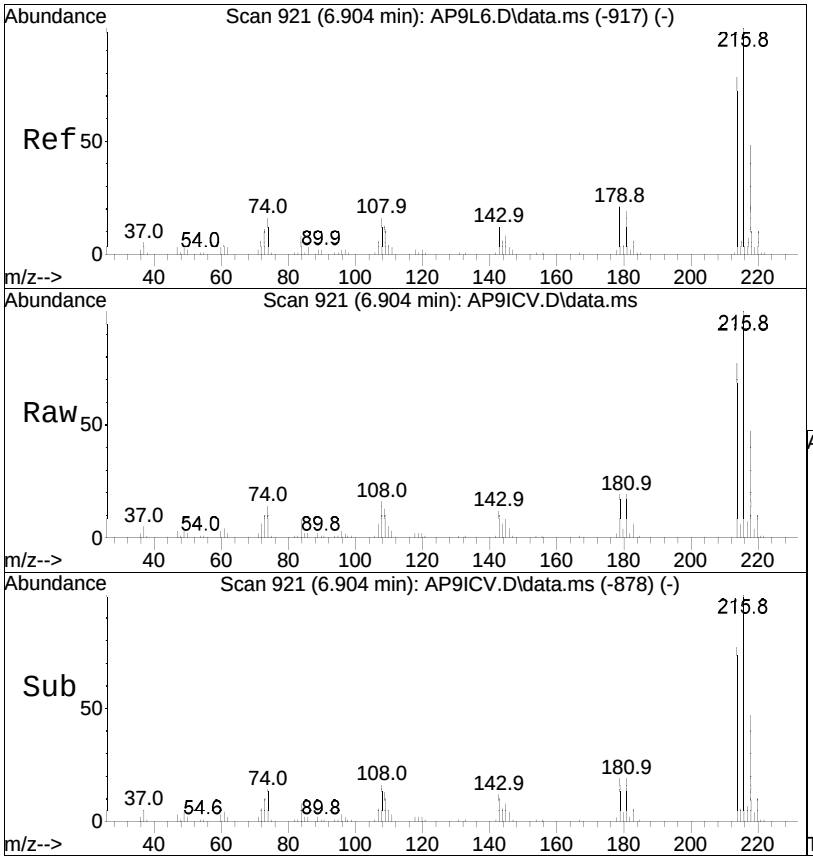


#60
Caprolactam
Concen: 4.06 ug/ml
RT: 6.416 min Scan# 838
Delta R.T. -0.006 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion: 55 Resp: 11582

Ion	Ratio	Lower	Upper
55	100		
85	51.5	35.2	52.8
113	52.5	36.6	55.0

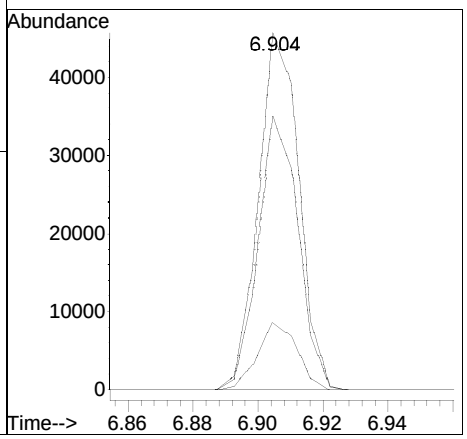


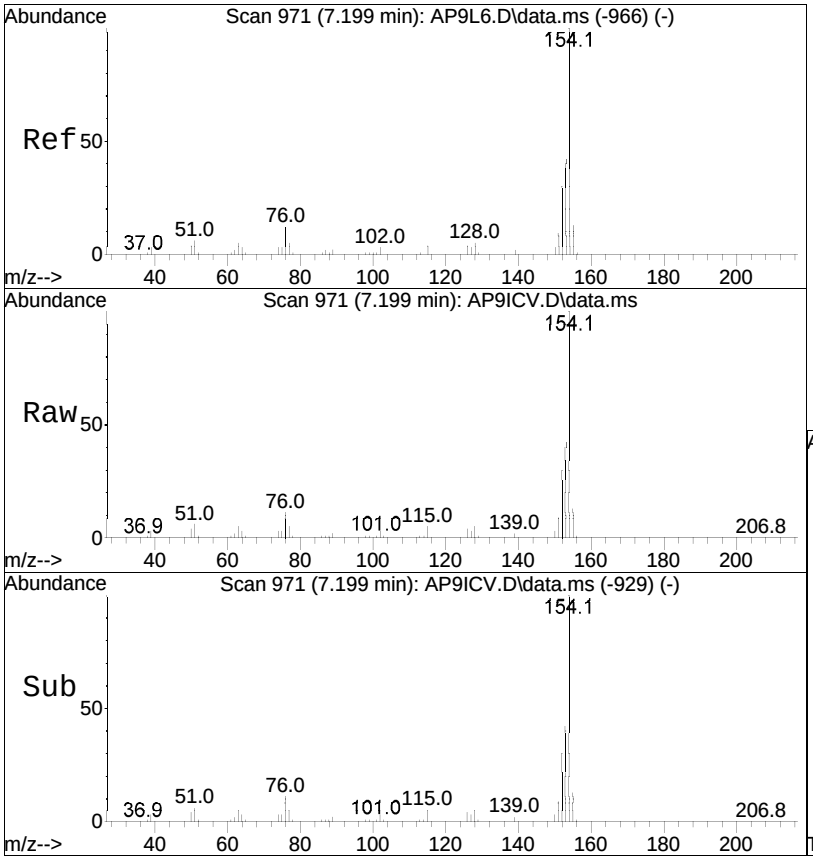


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.66 ug/ml
RT: 6.904 min Scan# 921
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:216 Resp: 39341

Ion	Ratio	Lower	Upper
216	100		
214	75.7	64.0	96.0
179	18.6	18.7	28.1#

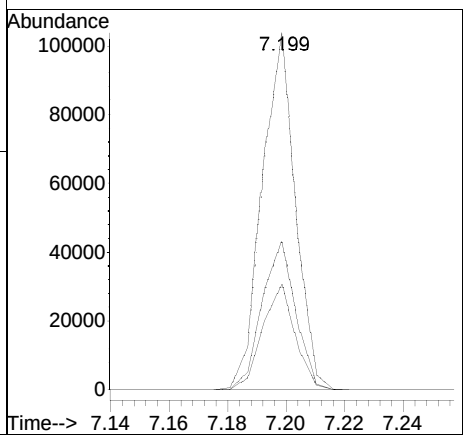


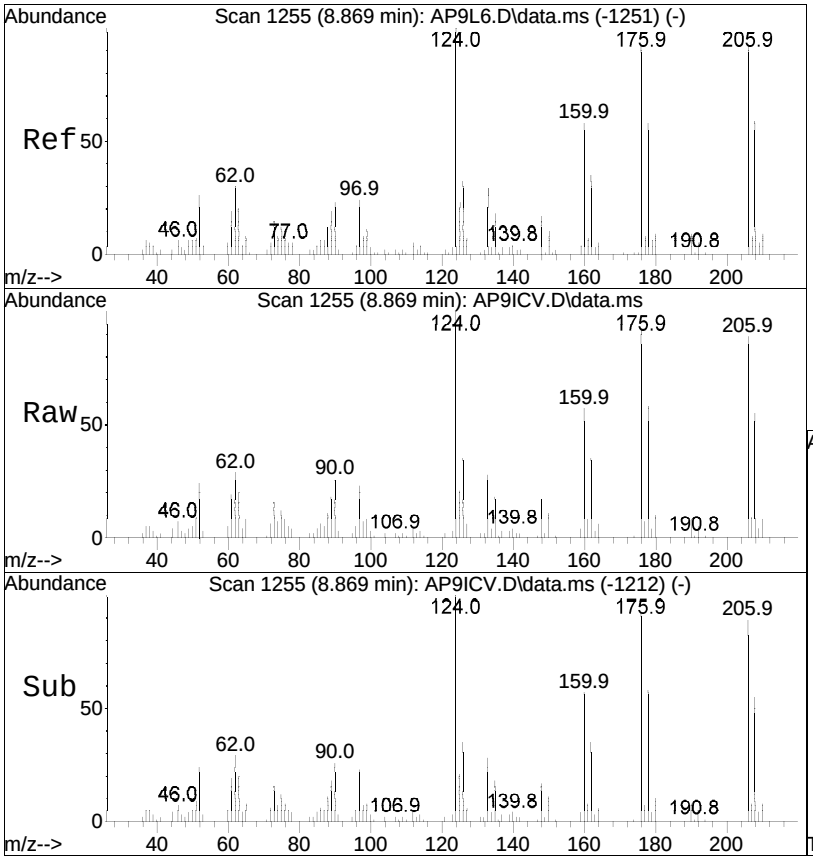


#62
Biphenyl
Concen: 4.48 ug/ml
RT: 7.199 min Scan# 971
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:154 Resp: 81125

Ion	Ratio	Lower	Upper
154	100		
153	42.3	32.5	48.7
152	29.3	22.6	34.0

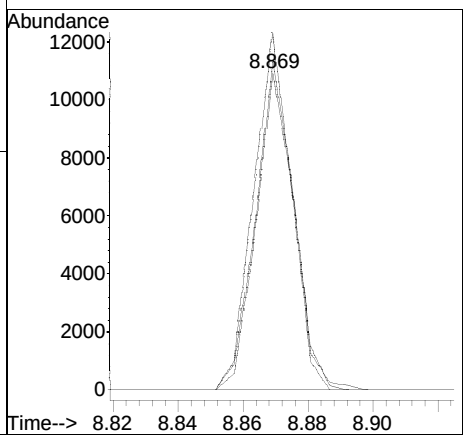


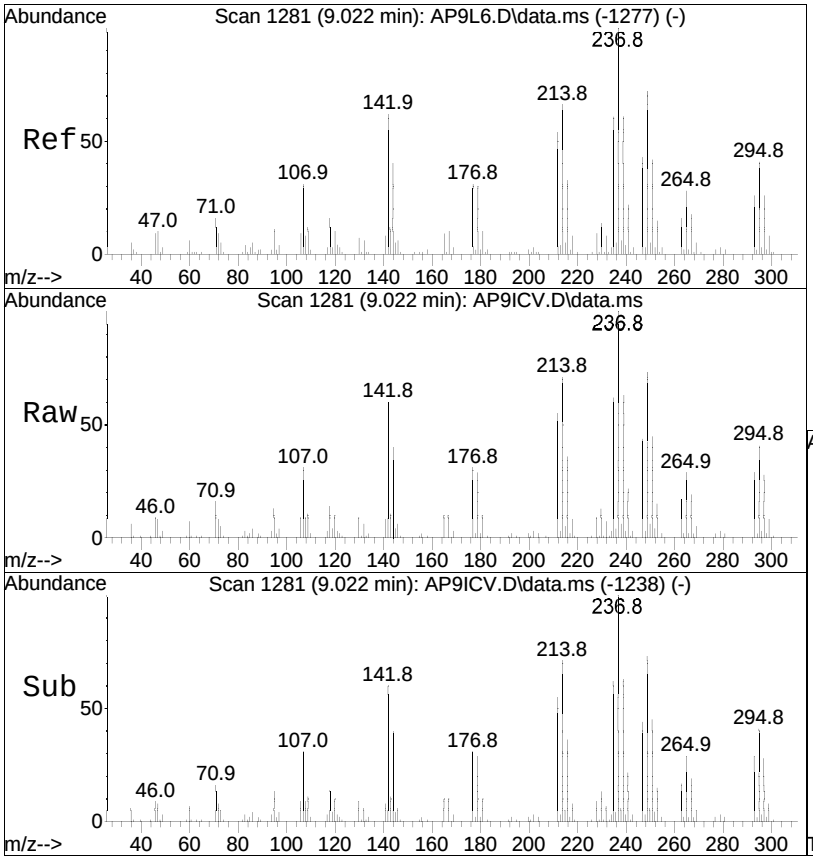


#84
Dichloran
Concen: 3.78 ug/ml
RT: 8.869 min Scan# 1255
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:206 Resp: 8814

Ion	Ratio	Lower	Upper
206	100		
176	104.9	98.8	148.2
124	111.6	125.8	188.6#

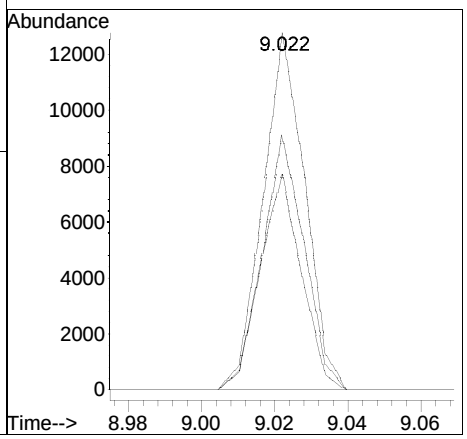


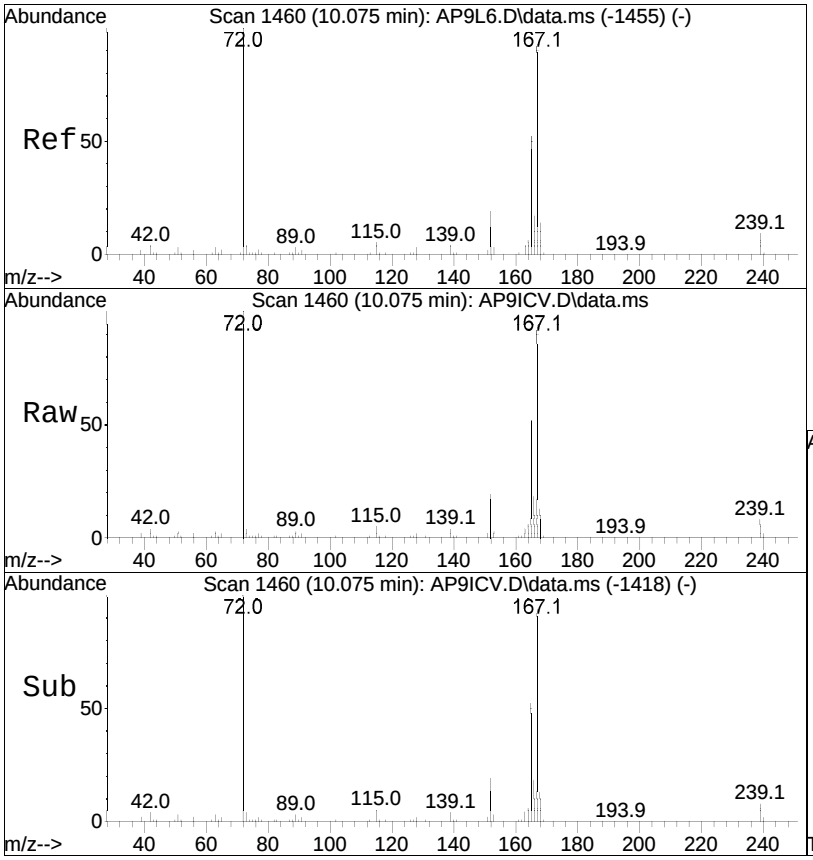


#85
Pentachloronitrobenzene
Concen: 4.08 ug/ml
RT: 9.022 min Scan# 1281
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:237 Resp: 10155

Ion	Ratio	Lower	Upper
237	100		
142	60.0	70.3	105.5#
214	70.9	59.4	89.2

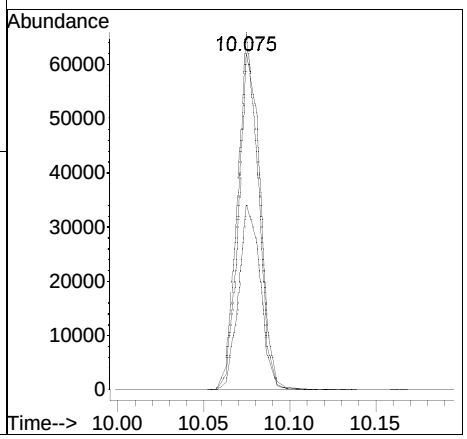




#99
Diphenamid
Concen: 4.49 ug/ml
RT: 10.075 min Scan# 1460
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:167 Resp: 54038

Ion	Ratio	Lower	Upper
167	100		
72	100.8	98.9	148.3
165	55.3	40.4	60.6



Manual Integration Report

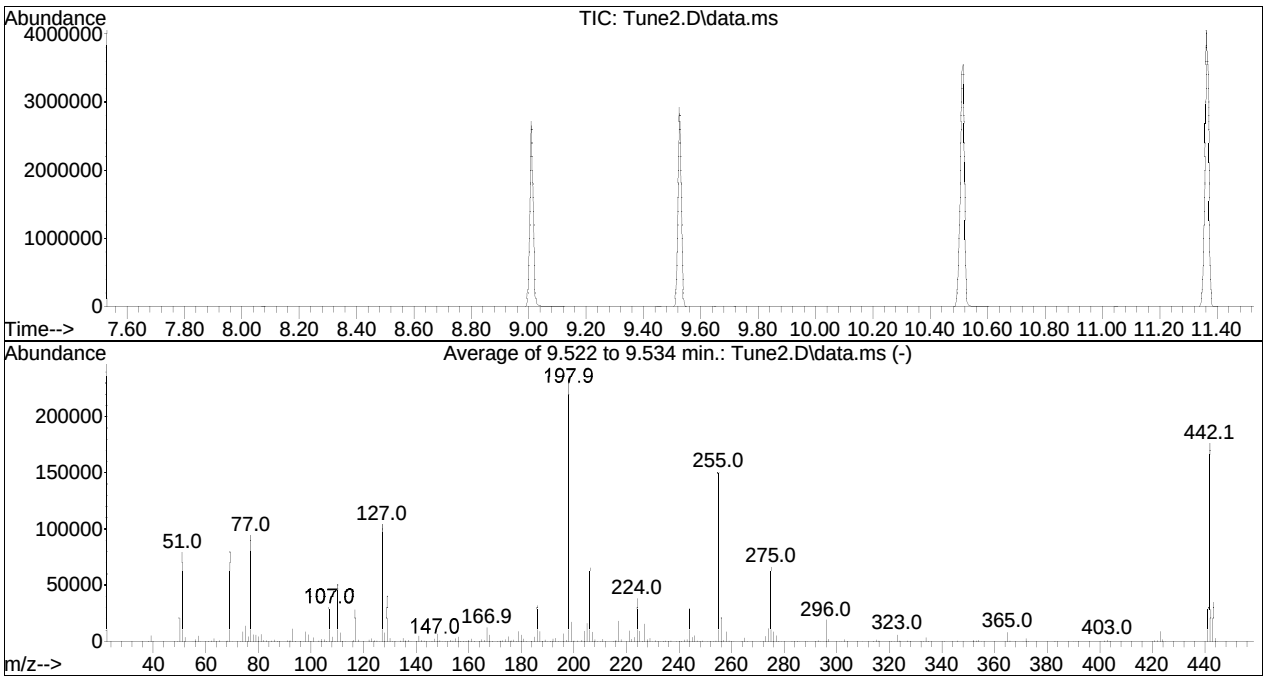
Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9ICV.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 3:39 am	Instrument	: SV112
Sample	: CQICV2,32,,AP9ICV Lot# 108	Quant Date	: 6/30/2024 2:38 pm

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

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune2.D
Acq On : 26 Jun 2024 04:02 am
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 26 21:26:04 2024



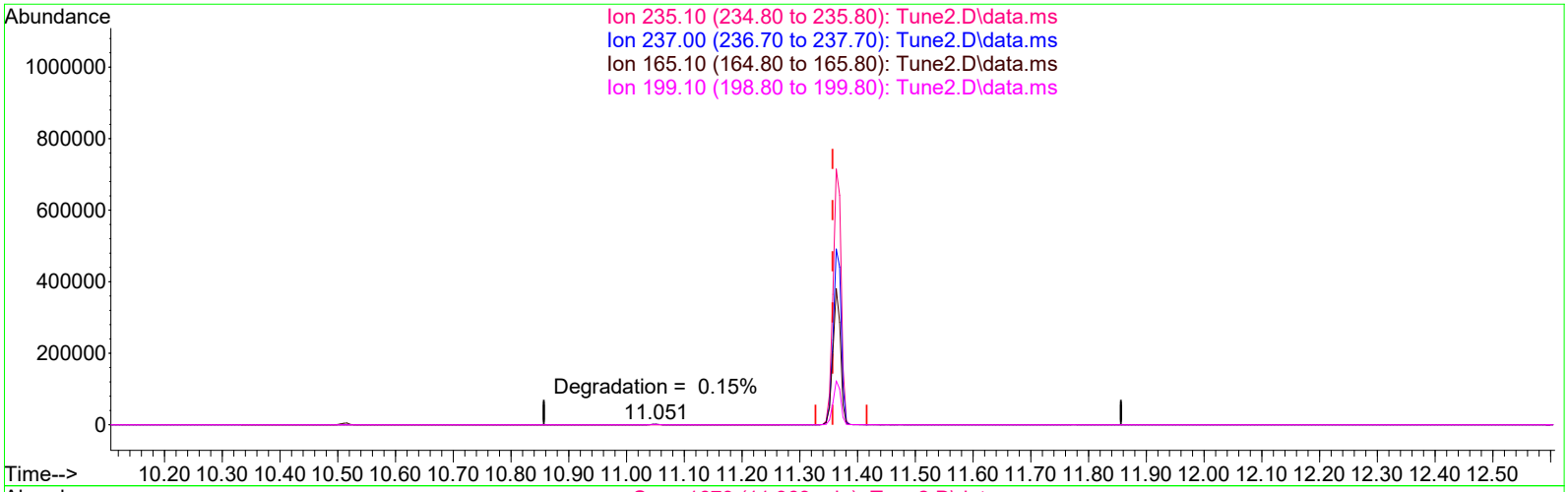
Spectrum Information: Average of 9.522 to 9.534 min.

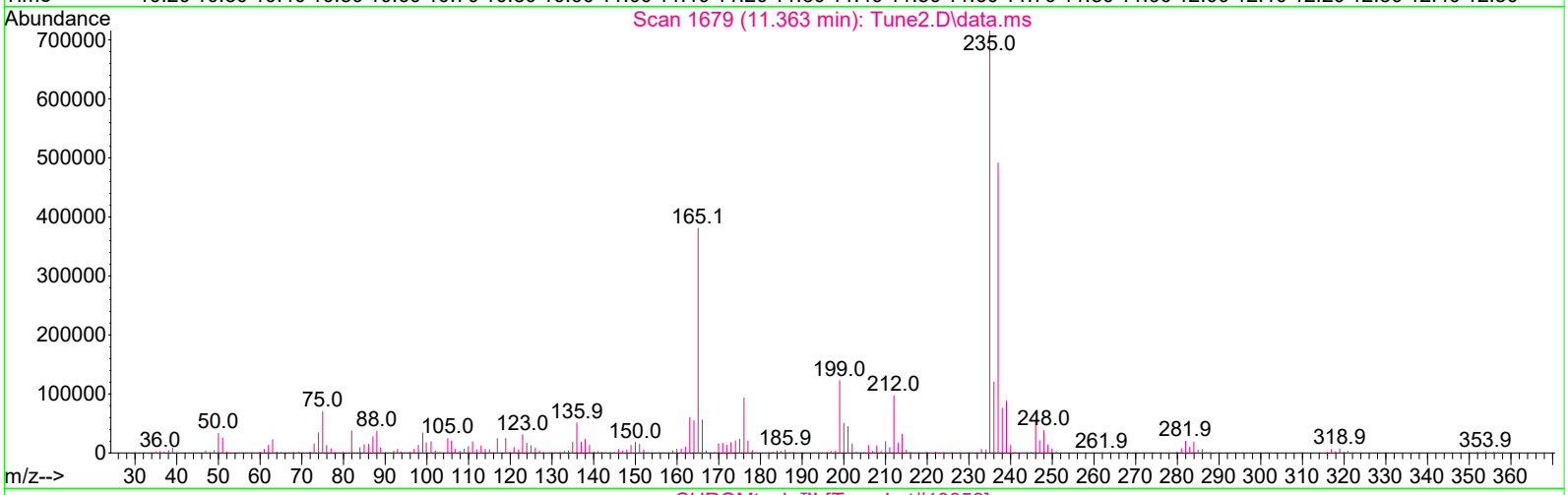
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.5	78592	PASS
68	69	0.00	2	1.6	1239	PASS
69	69	100	100	100.0	79691	PASS
70	69	0.00	2	0.5	407	PASS
127	198	10	80	44.2	103691	PASS
197	198	0.00	2	0.7	1726	PASS
198	198	100	100	100.0	234816	PASS
199	198	5	9	7.1	16749	PASS
275	198	10	60	28.0	65861	PASS
365	198	1	100	3.5	8174	PASS
441	442	0.01	24	17.2	30328	PASS
442	198	50	100	74.9	175909	PASS
443	442	15	24	19.9	34941	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune2.D
Acq On : 26 Jun 2024 04:02 am
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:46:11 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(6) DDT (T)

11.363min (+ 0.006) 115.23

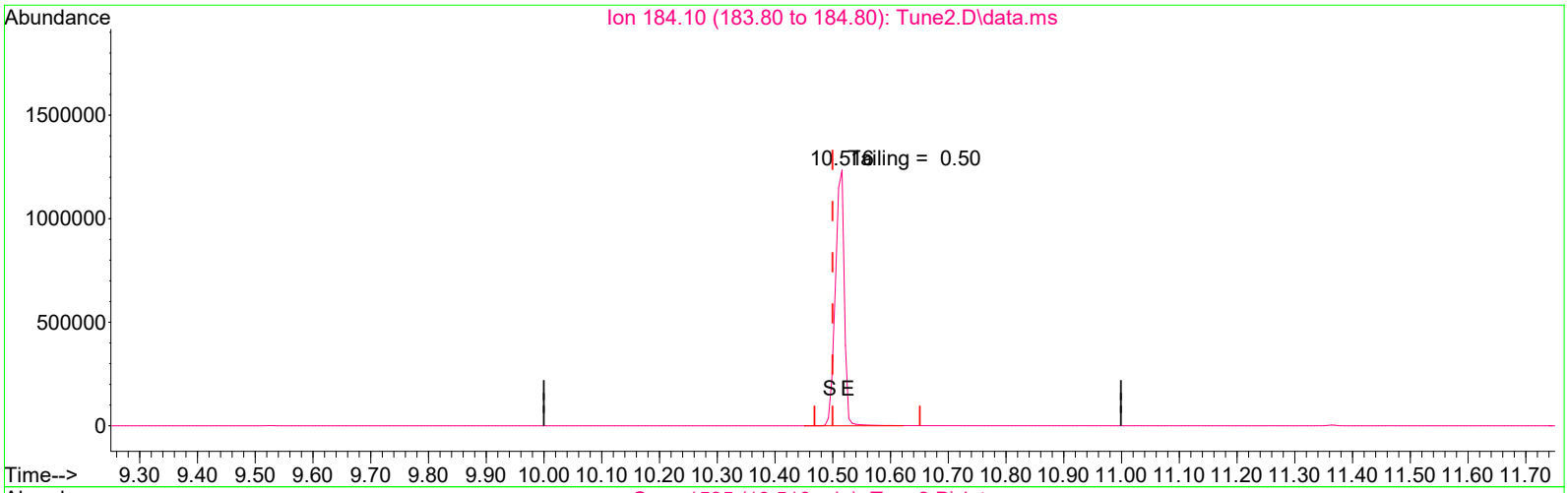
response 702426

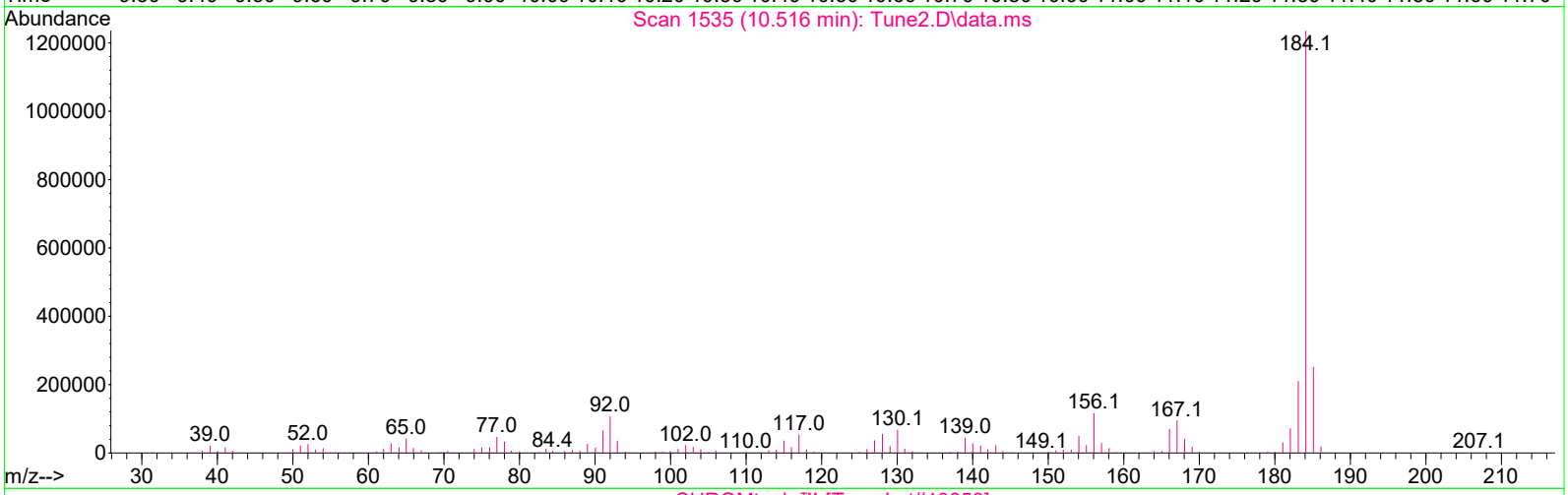
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	67.60
165.10	42.20	49.55
199.10	13.70	16.21

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune2.D
Acq On : 26 Jun 2024 04:02 am
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:46:11 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(3) Benzidine (T)

10.516min (+ 0.016) 131.09

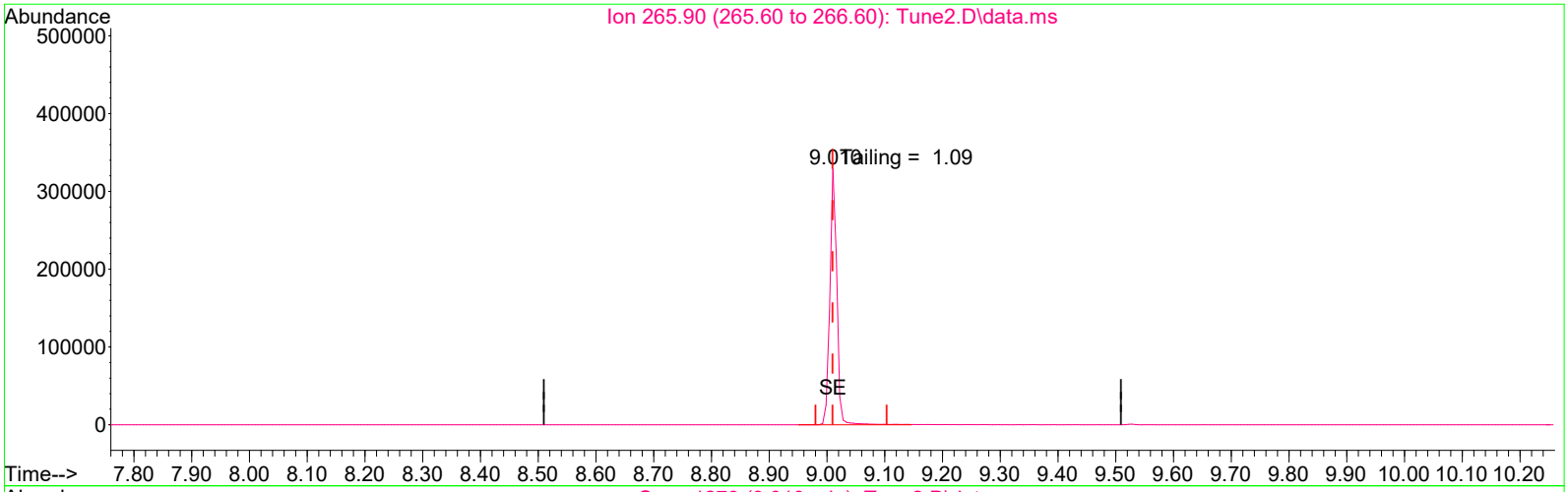
response 1334527

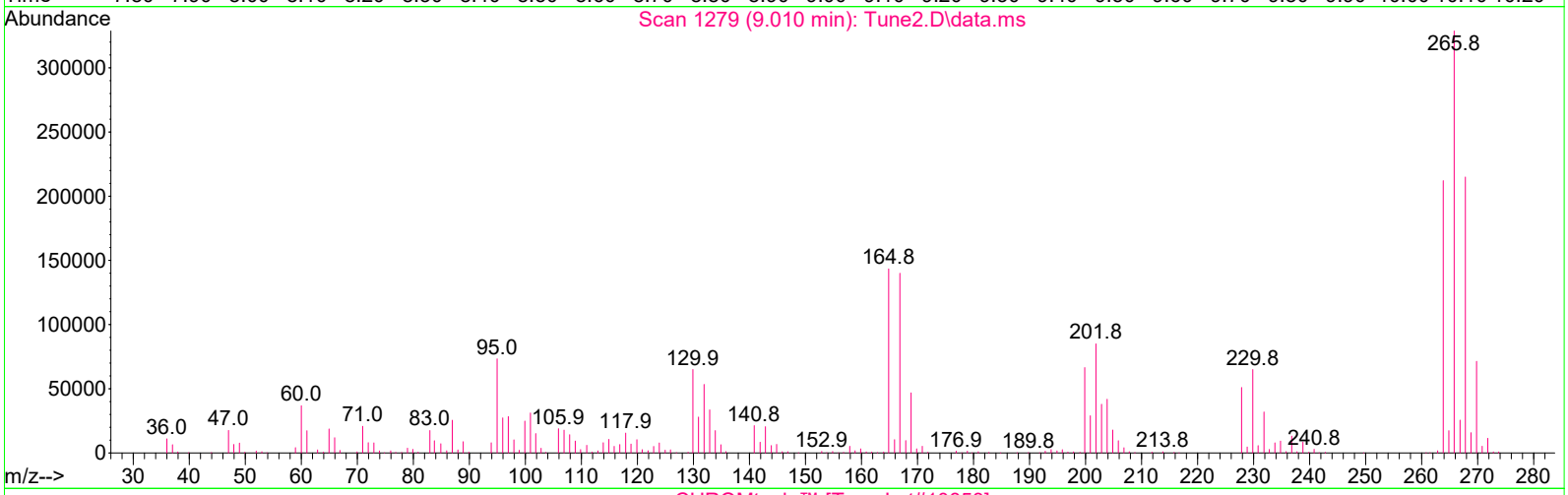
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune2.D
Acq On : 26 Jun 2024 04:02 am
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:46:11 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(1) Pentachlorophenol (T)

9.010min (+ 0.000) 130.93

response 275000

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Duplicate Retention Times

(5) DDD 235.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL9.D
Acq On : 26 Jun 2024 04:25 am
Operator : SV112:mrg
Sample : IL2,32,,ADPL50 Lot# 10796
Misc : WG1939943
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 01 06:26:12 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
32)	IS3_1,4-Dichlorobenzen...	4.805	152	20470	4.000	ug/ml		0.00
	Standard Area 1 = 20189			Recovery =	101.39%			
86)	IS3_Acenaphthene-d10	7.746	164	50851	4.000	ug/ml		0.00
	Standard Area 1 = 45088			Recovery =	112.78%			
100)	IS3_Phenanthrene-d10	9.175	188	124157	4.000	ug/ml	#	0.00
	Standard Area 1 = 107936			Recovery =	115.03%			
	System Monitoring Compounds							
	Target Compounds							Qvalue
33)	1,4-Dioxane	1.887	88	109040	45.293	ug/ml		90
34)	n-Decane	4.693	57	294067	50.165	ug/ml#		94
87)	Atrazine	8.952	200	328196	58.499	ug/ml		96
101)	n-Octadecane	9.146	57	550946	56.408	ug/ml		90
102)	Parathion	9.963	109	189120	49.698	ug/ml#		90
103)	3,3'-Dimethylbenzidine	11.257	212	1251144	49.001	ug/ml#		90

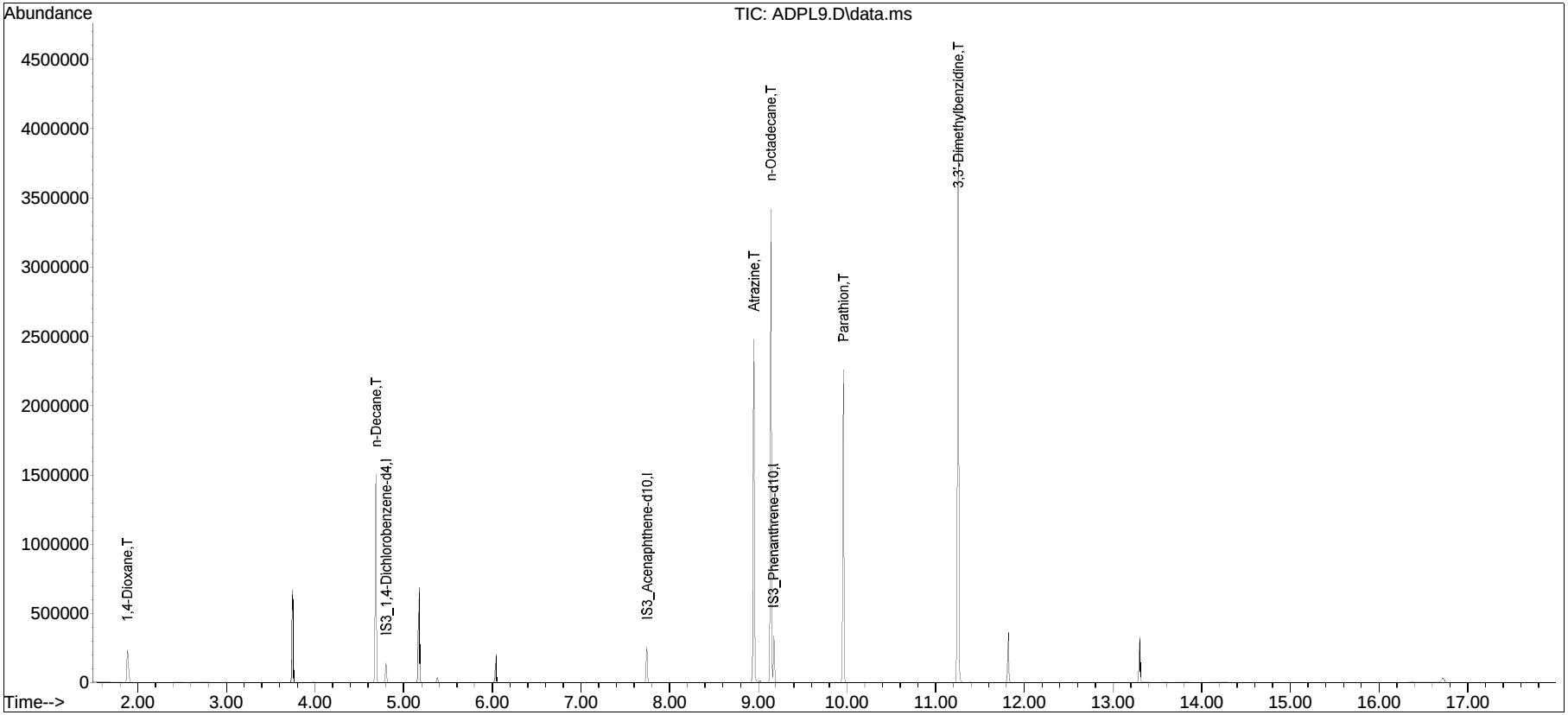
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL9.D
Acq On : 26 Jun 2024 04:25 am
Operator : SV112:mrg
Sample : IL2,32,,ADPL50 Lot# 10796
Misc : WG1939943
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 01 06:26:12 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL9.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 4:25 am	Instrument	: SV112
Sample	: IL2,32,,ADPL50 Lot# 10796	Quant Date	: 7/1/2024 6:26 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL8.D
Acq On : 26 Jun 2024 04:48 am
Operator : SV112:mrg
Sample : IL3,32,,ADPL25 Lot# 10797
Misc : WG1939943
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 01 06:26:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

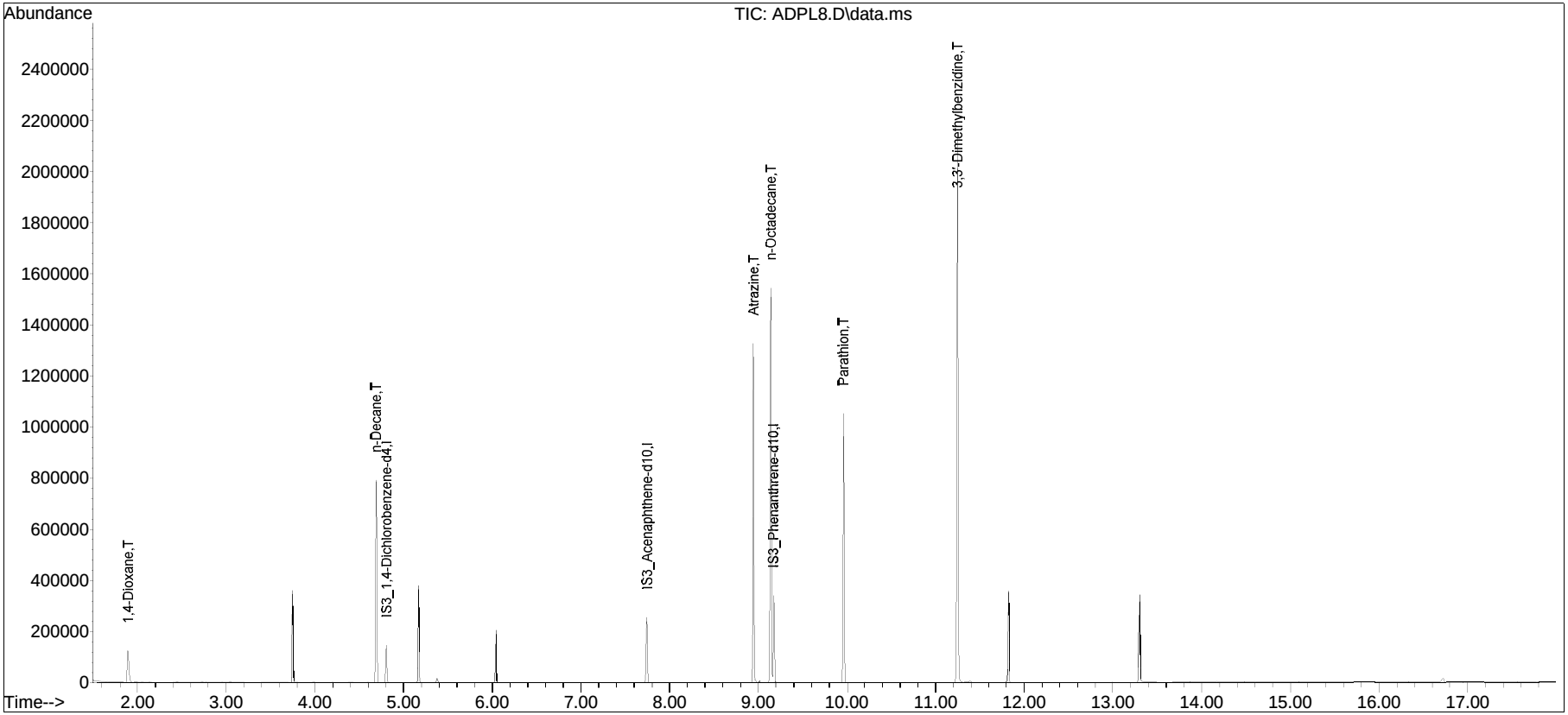
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	21763	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	107.80%		
86) IS3_Acenaphthene-d10	7.746	164	50588	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	112.20%		
100) IS3_Phenanthrene-d10	9.175	188	124301	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	115.16%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.893	88	57618	22.511	ug/ml#	88
34) n-Decane	4.687	57	155787	24.997	ug/ml	95
87) Atrazine	8.946	200	161042	28.854	ug/ml	97
101) n-Octadecane	9.146	57	271632	27.778	ug/ml	90
102) Parathion	9.957	109	84556	25.768	ug/ml#	89
103) 3,3'-Dimethylbenzidine	11.251	212	666158	26.154	ug/ml	95

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

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL8.D
Acq On : 26 Jun 2024 04:48 am
Operator : SV112:mrg
Sample : IL3,32,,ADPL25 Lot# 10797
Misc : WG1939943
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 01 06:26:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL8.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 4:48 am	Instrument	: SV112
Sample	: IL3,32,,ADPL25 Lot# 10797	Quant Date	: 7/1/2024 6:26 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL7.D
Acq On : 26 Jun 2024 05:11 am
Operator : SV112:mrg
Sample : IL4,32,,ADPL10 Lot# 10798
Misc : WG1939943
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 01 06:25:49 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

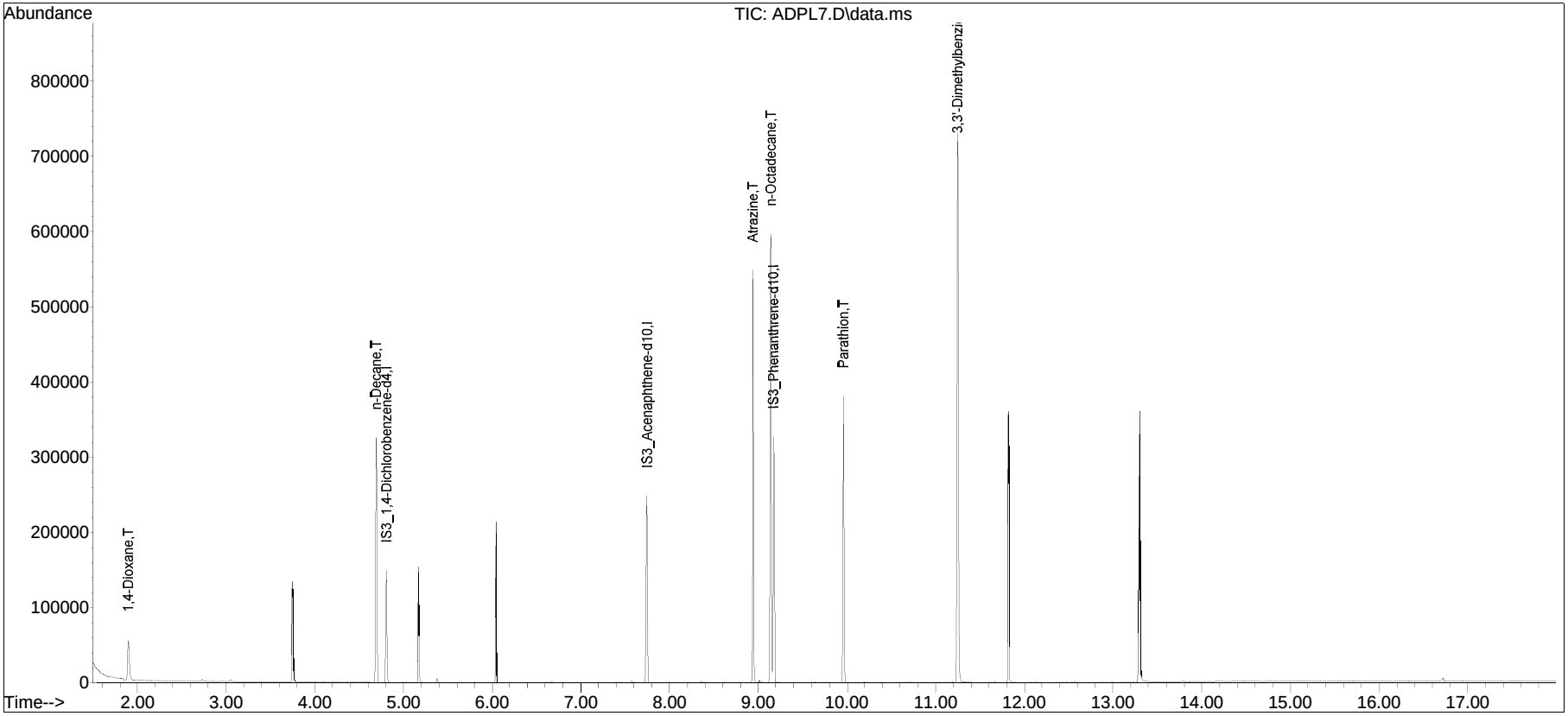
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	22184	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	109.88%		
86) IS3_Acenaphthene-d10	7.746	164	50265	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	111.48%		
100) IS3_Phenanthrene-d10	9.175	188	122217	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	113.23%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.893	88	24860	9.528	ug/ml	89
34) n-Decane	4.687	57	66035	10.395	ug/ml#	94
87) Atrazine	8.940	200	63534	11.457	ug/ml	98
101) n-Octadecane	9.145	57	109359	11.374	ug/ml	91
102) Parathion	9.957	109	30072	10.443	ug/ml#	89
103) 3,3'-Dimethylbenzidine	11.251	212	264248	10.671	ug/ml	98

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

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL7.D
Acq On : 26 Jun 2024 05:11 am
Operator : SV112:mrg
Sample : IL4,32,,ADPL10 Lot# 10798
Misc : WG1939943
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 01 06:25:49 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL7.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 5:11 am	Instrument	: SV112
Sample	: IL4,32,,ADPL10 Lot# 10798	Quant Date	: 7/1/2024 6:26 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL6.D
Acq On : 26 Jun 2024 05:35 am
Operator : SV112:mrg
Sample : IL5,32,,ADPL5 Lot# 10799
Misc : WG1939943
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 06:25:38 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

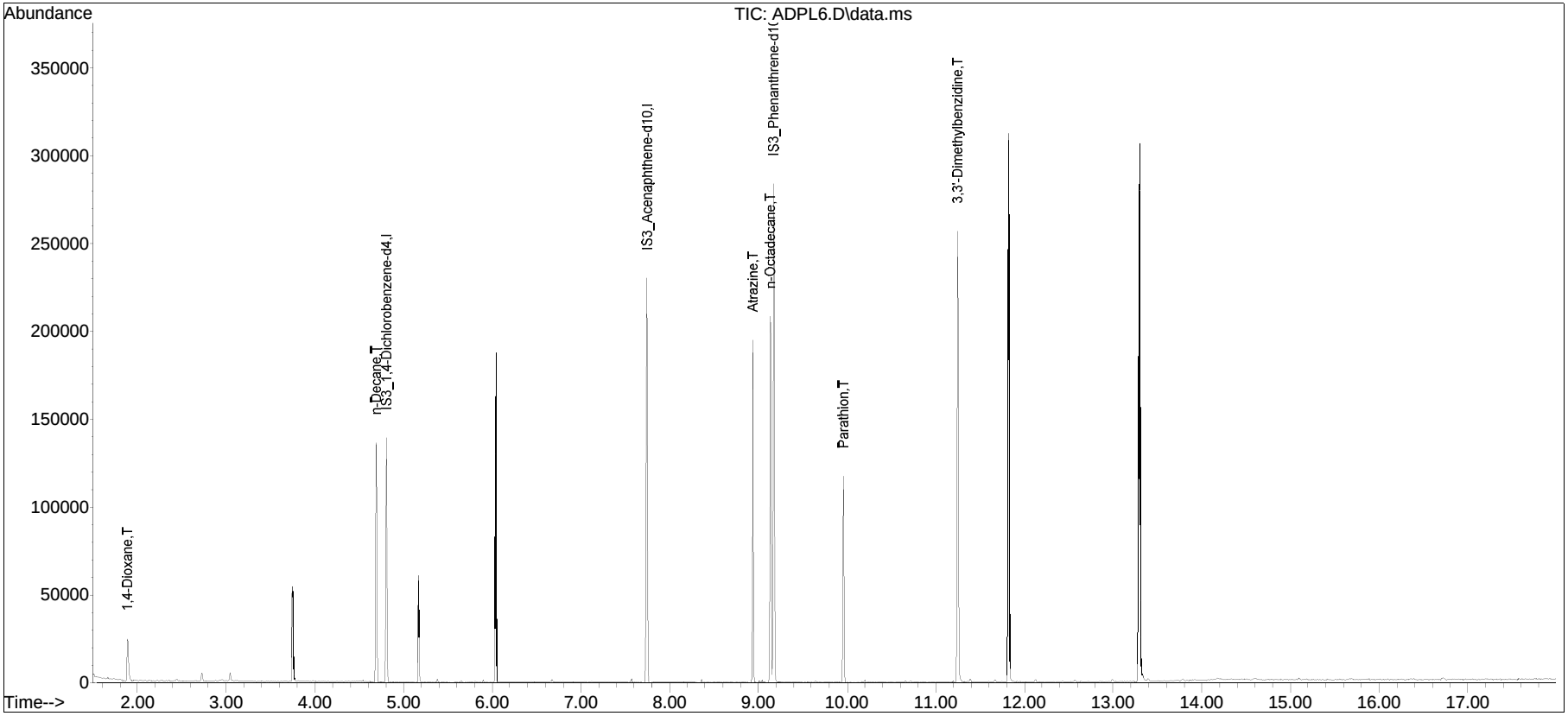
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	20189	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	100.00%		
86) IS3_Acenaphthene-d10	7.746	164	45088	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	100.00%		
100) IS3_Phenanthrene-d10	9.175	188	107936	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.887	88	10485	4.416	ug/ml	92
34) n-Decane	4.687	57	26759	4.628	ug/ml#	95
87) Atrazine	8.940	200	22386	4.500	ug/ml	95
101) n-Octadecane	9.140	57	37722	4.443	ug/ml	90
102) Parathion	9.957	109	9947	4.172	ug/ml#	87
103) 3,3'-Dimethylbenzidine	11.245	212	91256	4.295	ug/ml	99

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

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL6.D
Acq On : 26 Jun 2024 05:35 am
Operator : SV112:mrg
Sample : IL5,32,,ADPL5 Lot# 10799
Misc : WG1939943
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 06:25:38 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL6.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 5:35 am	Instrument	: SV112
Sample	: IL5,32,,ADPL5 Lot# 10799	Quant Date	: 7/1/2024 6:26 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL5.D
Acq On : 26 Jun 2024 05:58 am
Operator : SV112:mrg
Sample : IL6,32,,ADPL2.5 Lot# 10800
Misc : WG1939943
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 06:25:27 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

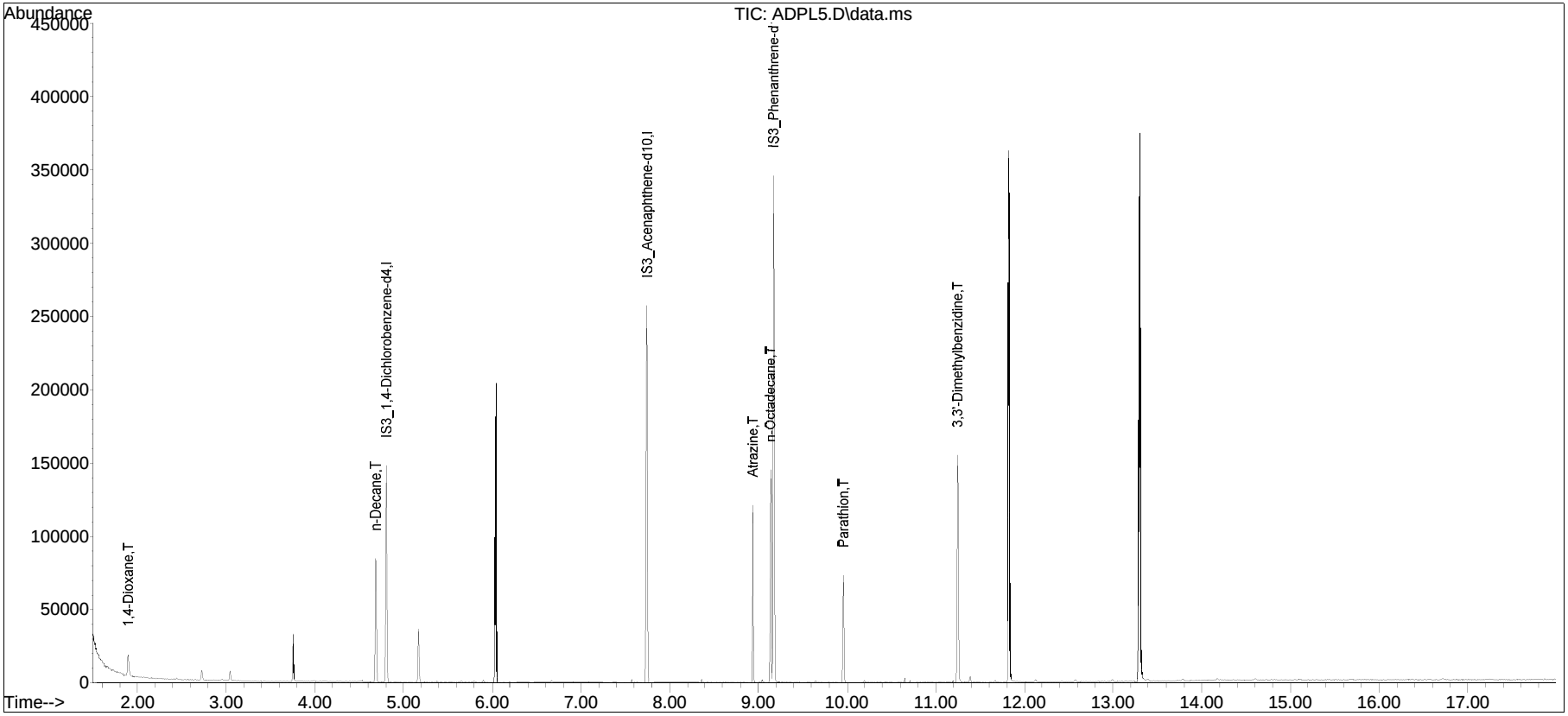
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	22831	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	113.09%		
86) IS3_Acenaphthene-d10	7.746	164	52224	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	115.83%		
100) IS3_Phenanthrene-d10	9.175	188	128613	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	119.16%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.893	88	6660	2.480	ug/ml	94
34) n-Decane	4.687	57	16085	2.460	ug/ml#	94
87) Atrazine	8.940	200	14680	2.548	ug/ml	97
101) n-Octadecane	9.140	57	25638	2.534	ug/ml	91
102) Parathion	9.957	109	6159	2.256	ug/ml#	85
103) 3,3'-Dimethylbenzidine	11.246	212	56264	2.319	ug/ml	98

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

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL5.D
Acq On : 26 Jun 2024 05:58 am
Operator : SV112:mrg
Sample : IL6,32,,ADPL2.5 Lot# 10800
Misc : WG1939943
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 06:25:27 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL5.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 5:58 am	Instrument	: SV112
Sample	: IL6,32,,ADPL2.5 Lot# 10800	Quant Date	: 7/1/2024 6:26 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL4.D
Acq On : 26 Jun 2024 06:21 am
Operator : SV112:mrg
Sample : IL7,32,,ADPL1 Lot# 10801
Misc : WG1939943
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 06:25:16 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	19329	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery = 95.74%			
86) IS3_Acenaphthene-d10	7.746	164	44400	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery = 98.47%			
100) IS3_Phenanthrene-d10	9.175	188	106041	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery = 98.24%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.893	88	2741M6	1.206	ug/ml	
34) n-Decane	4.687	57	6064	1.096	ug/ml	95
87) Atrazine	8.940	200	5191	1.060	ug/ml	96
101) n-Octadecane	9.140	57	8435	1.011	ug/ml	91
102) Parathion	9.957	109	2128	1.022	ug/ml#	90
103) 3,3'-Dimethylbenzidine	11.245	212	17509	1.000	ug/ml	98

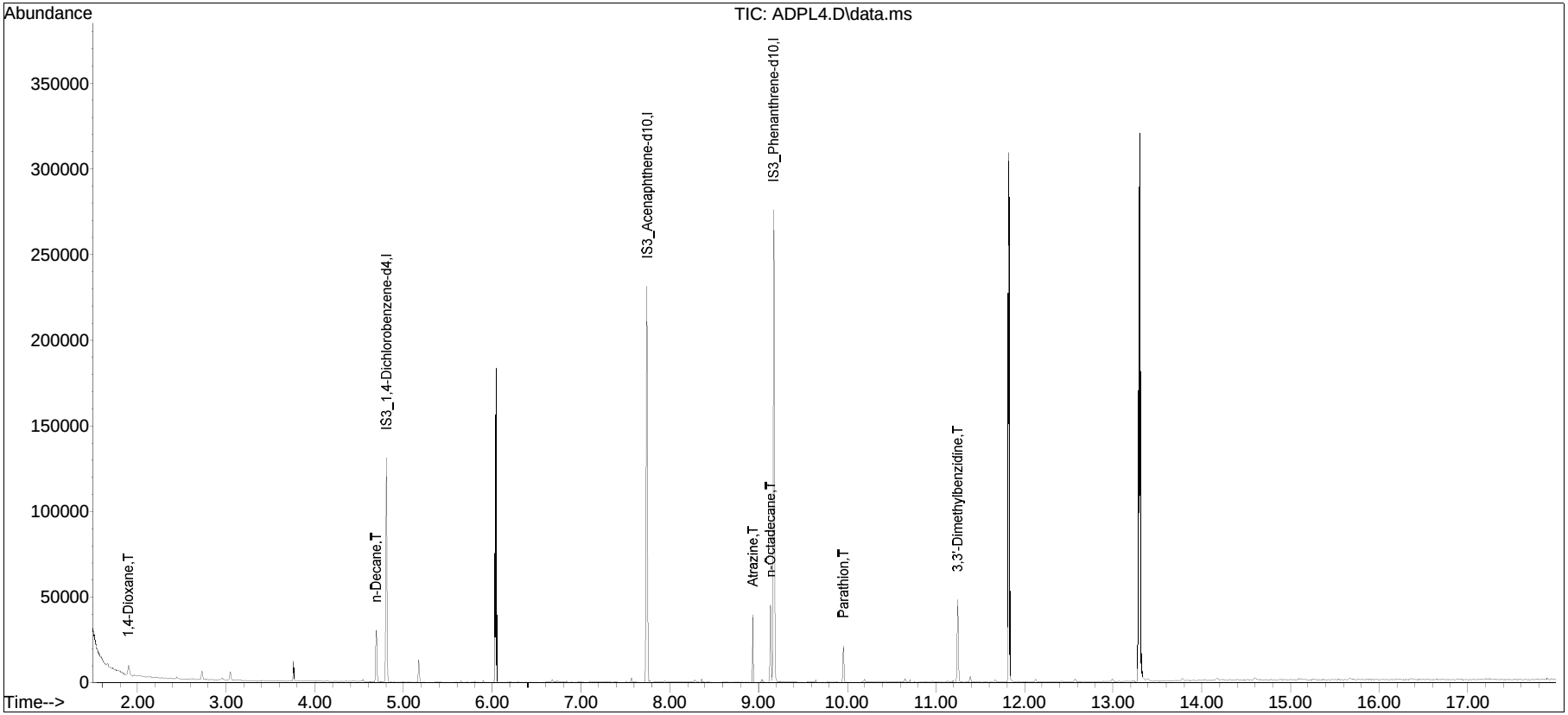
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL4.D
Acq On : 26 Jun 2024 06:21 am
Operator : SV112:mrg
Sample : IL7,32,,ADPL1 Lot# 10801
Misc : WG1939943
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 06:25:16 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

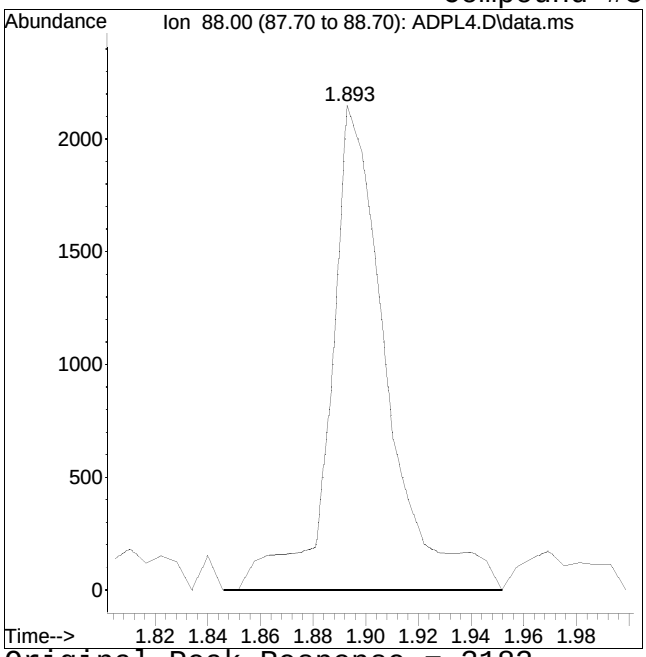
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



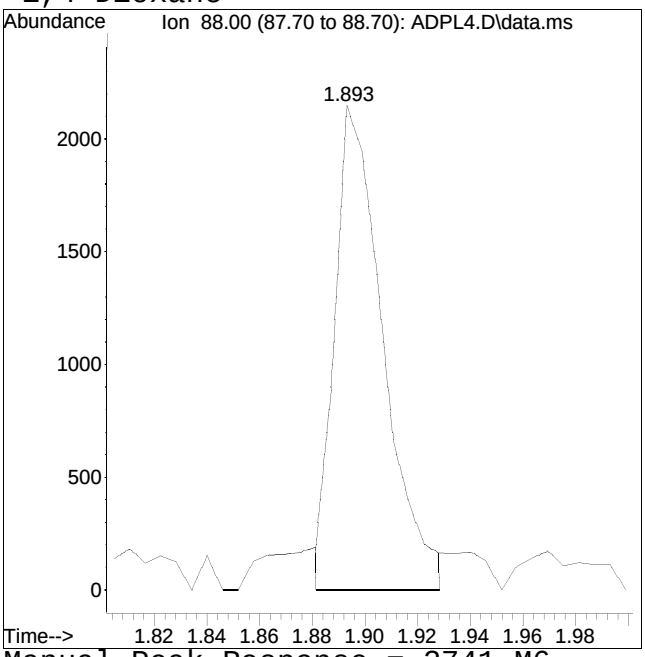
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL4.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 6:21 am Instrument : SV112
Sample : IL7,32,,ADPL1 Lot# 10801 Quant Date : 7/1/2024 6:26 am

Compound #33: 1,4-Dioxane



Original Peak Response = 3183



Manual Peak Response = 2741 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL3.D
Acq On : 26 Jun 2024 06:44 am
Operator : SV112:mrg
Sample : IL8,32,,ADPL0.5 Lot# 10802
Misc : WG1939943
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 06:25:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	20408	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	101.08%		
86) IS3_Acenaphthene-d10	7.746	164	46018	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	102.06%		
100) IS3_Phenanthrene-d10	9.175	188	108127	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	100.18%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.893	88	1517M6	0.632	ug/ml	
34) n-Decane	4.687	57	3040	0.520	ug/ml	94
87) Atrazine	8.940	200	2518	0.496	ug/ml	93
101) n-Octadecane	9.140	57	4037	0.475	ug/ml	93
102) Parathion	9.957	109	1026	0.547	ug/ml#	89
103) 3,3'-Dimethylbenzidine	11.245	212	8020	0.560	ug/ml	100

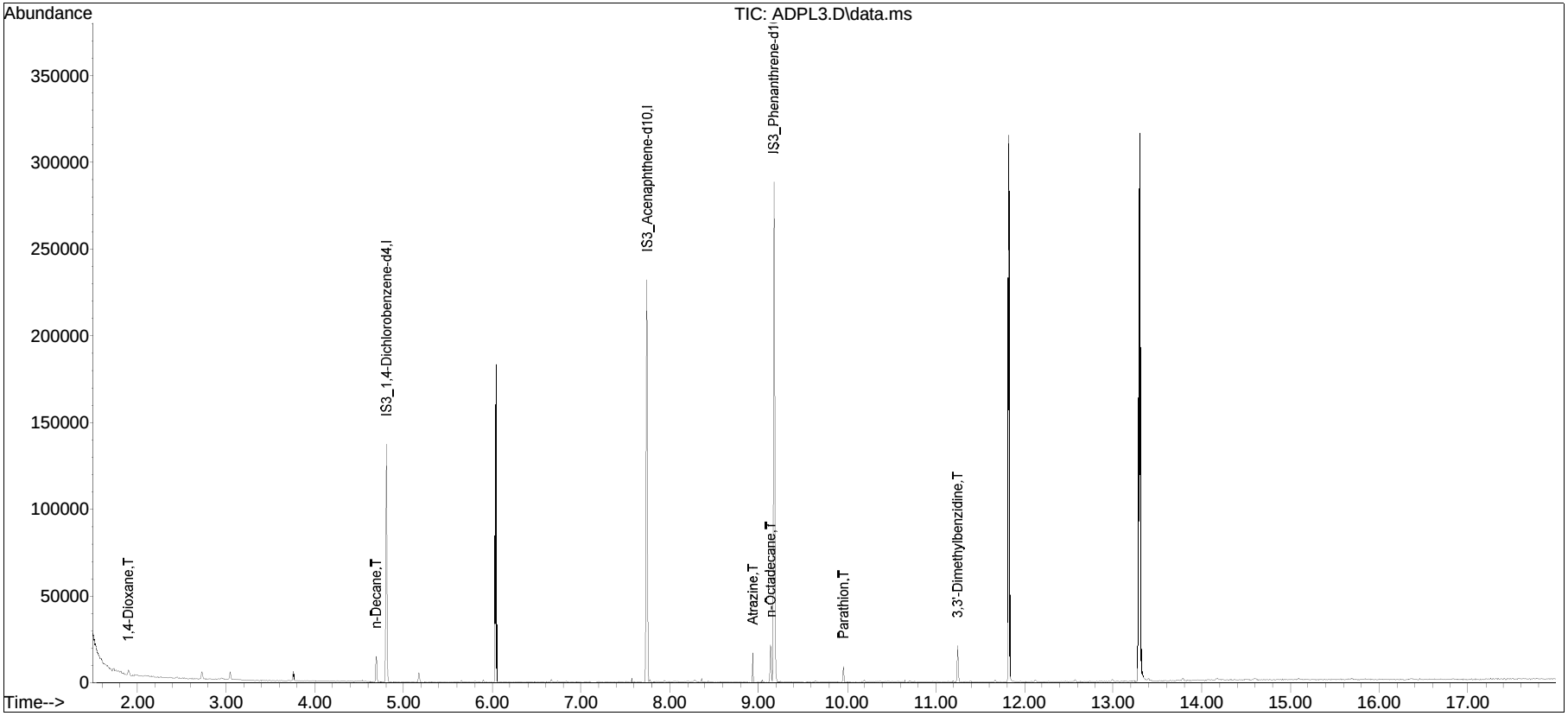
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL3.D
Acq On : 26 Jun 2024 06:44 am
Operator : SV112:mrg
Sample : IL8,32,,ADPL0.5 Lot# 10802
Misc : WG1939943
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 06:25:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

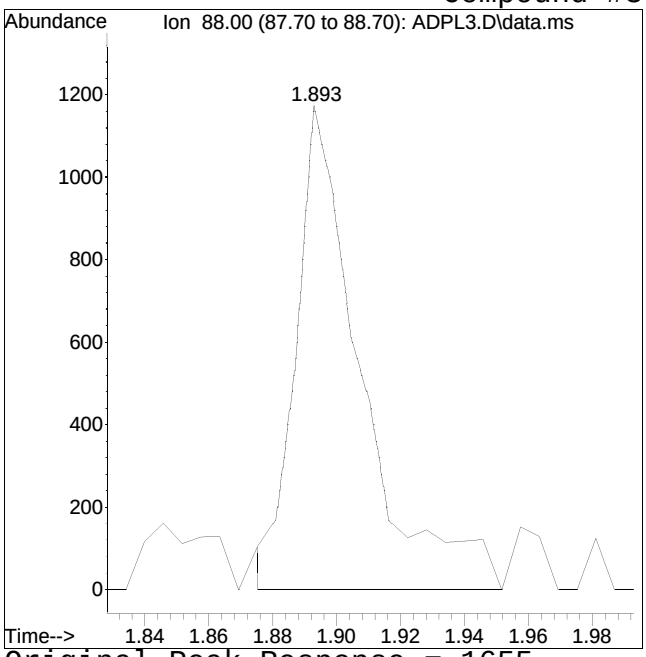
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



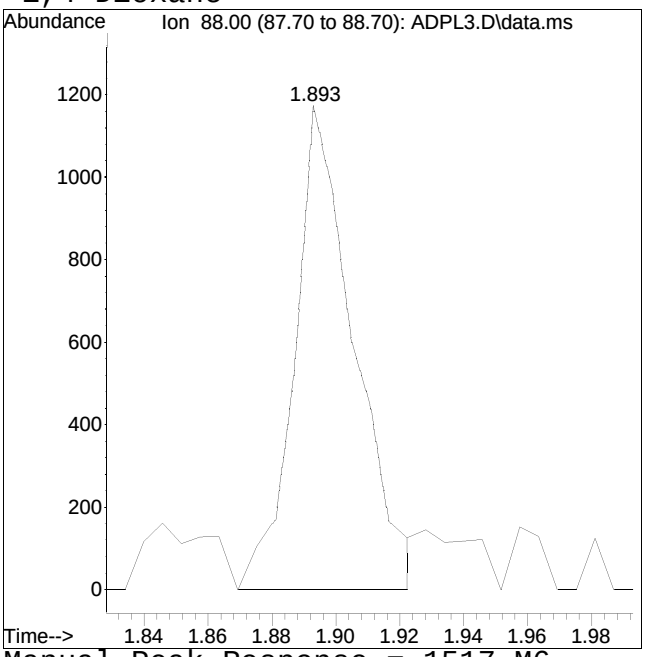
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL3.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 6:44 am Instrument : SV112
Sample : IL8,32,,ADPL0.5 Lot# 10802Quant Date : 7/1/2024 6:25 am

Compound #33: 1,4-Dioxane



Original Peak Response = 1655



Manual Peak Response = 1517 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL2.D
Acq On : 26 Jun 2024 07:08 am
Operator : SV112:mrg
Sample : IL9,32,,ADPL0.2 Lot# 10803
Misc : WG1939943
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 01 06:24:54 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

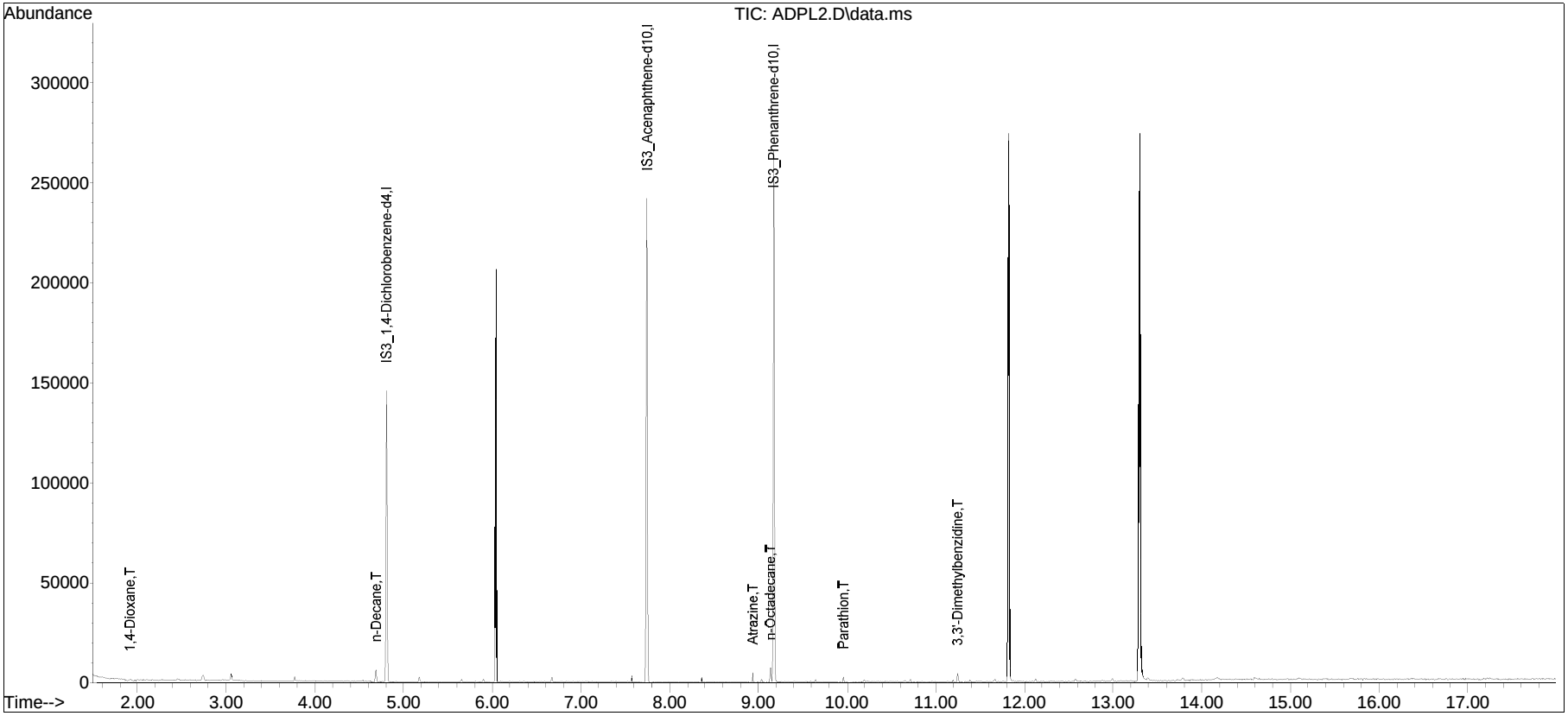
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	22327	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	110.59%		
86) IS3_Acenaphthene-d10	7.746	164	46135	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	102.32%		
100) IS3_Phenanthrene-d10	9.175	188	101129	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	93.69%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.916	88	588	0.224	ug/ml#	31
34) n-Decane	4.693	57	1353	0.212	ug/ml	95
87) Atrazine	8.940	200	862	0.169	ug/ml#	37
101) n-Octadecane	9.140	57	1533	0.193	ug/ml	93
102) Parathion	9.957	109	339M2	0.269	ug/ml	
103) 3,3'-Dimethylbenzidine	11.245	212	2291	0.310	ug/ml#	61

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

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL2.D
Acq On : 26 Jun 2024 07:08 am
Operator : SV112:mrg
Sample : IL9,32,,ADPL0.2 Lot# 10803
Misc : WG1939943
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 01 06:24:54 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

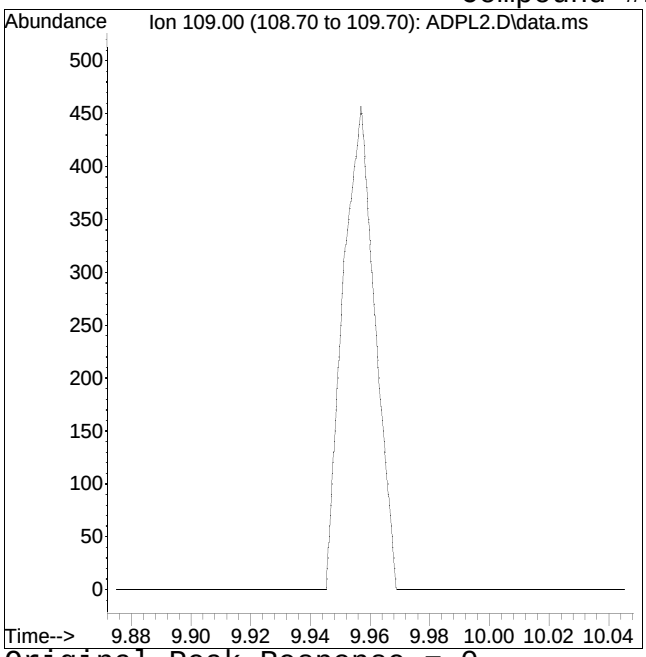
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



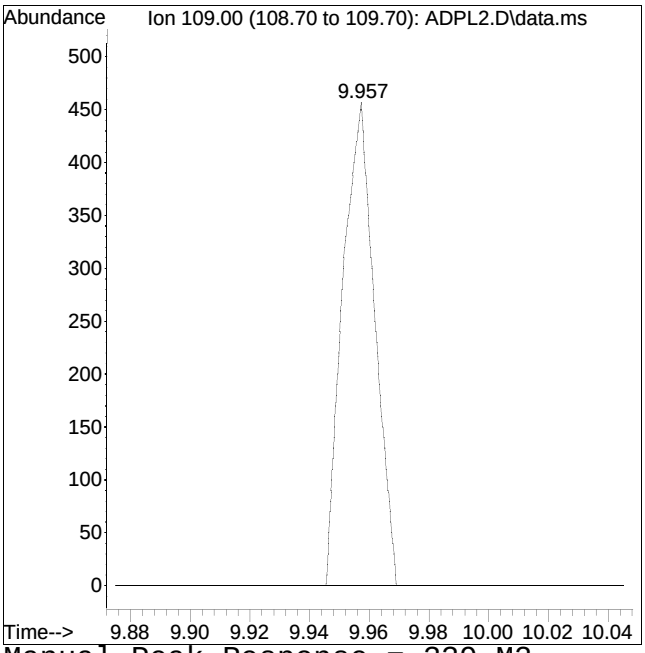
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 7:08 am Instrument : SV112
Sample : IL9,32,,ADPL0.2 Lot# 10803Quant Date : 7/1/2024 6:25 am

Compound #102: Parathion



Original Peak Response = 0



Manual Peak Response = 339 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL1.D
Acq On : 26 Jun 2024 07:31 am
Operator : SV112:mrg
Sample : IL10,32,,ADPL0.1 Lot# 10804
Misc : WG1939943
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jul 01 06:24:42 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	19406	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery = 96.12%			
86) IS3_Acenaphthene-d10	7.746	164	43780	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery = 97.10%			
100) IS3_Phenanthrene-d10	9.175	188	100147	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery = 92.78%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.899	88	310M2	0.136	ug/ml	
34) n-Decane	4.687	57	592	0.107	ug/ml#	76
87) Atrazine	8.940	200	426M2	0.088	ug/ml	
101) n-Octadecane	9.146	57	780	0.099	ug/ml	92
102) Parathion	9.957	109	191M2	0.204	ug/ml	
103) 3,3'-Dimethylbenzidine	11.245	212	1151	0.256	ug/ml#	61

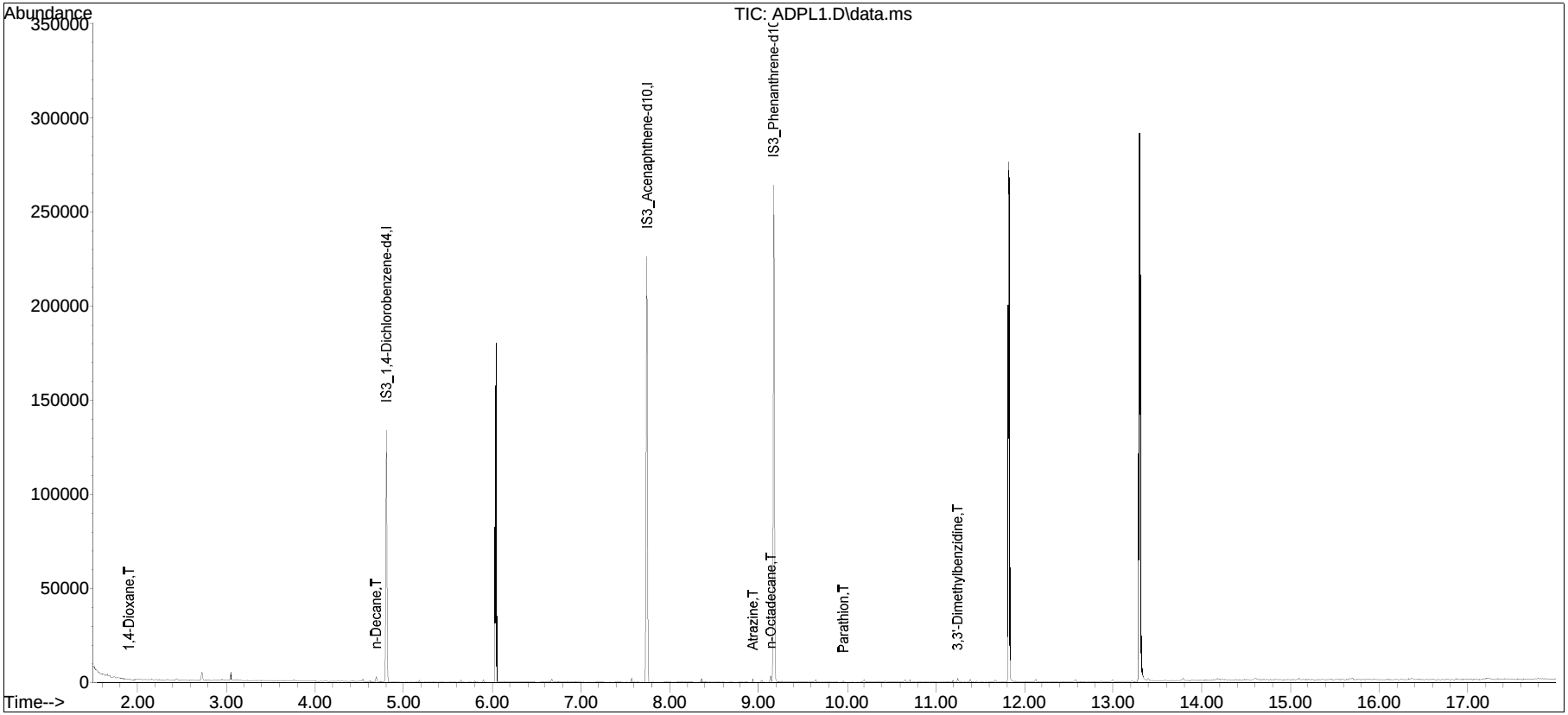
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL1.D
Acq On : 26 Jun 2024 07:31 am
Operator : SV112:mrg
Sample : IL10,32,,ADPL0.1 Lot# 10804
Misc : WG1939943
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jul 01 06:24:42 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

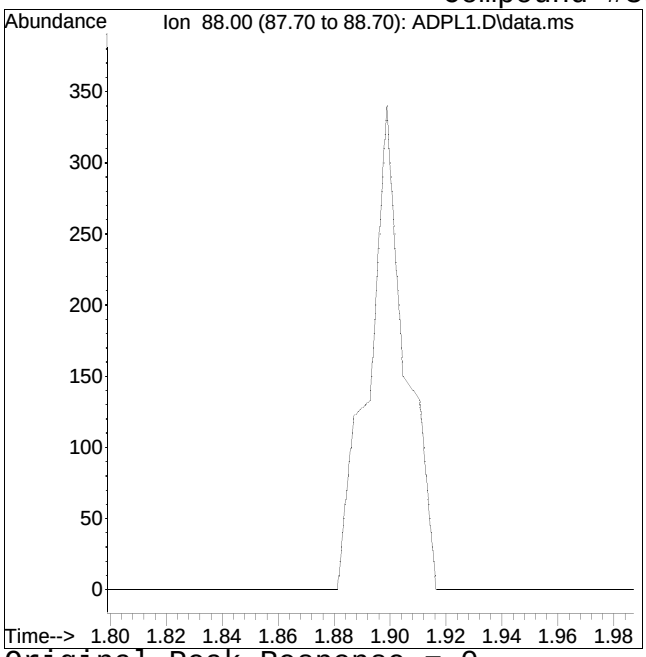
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



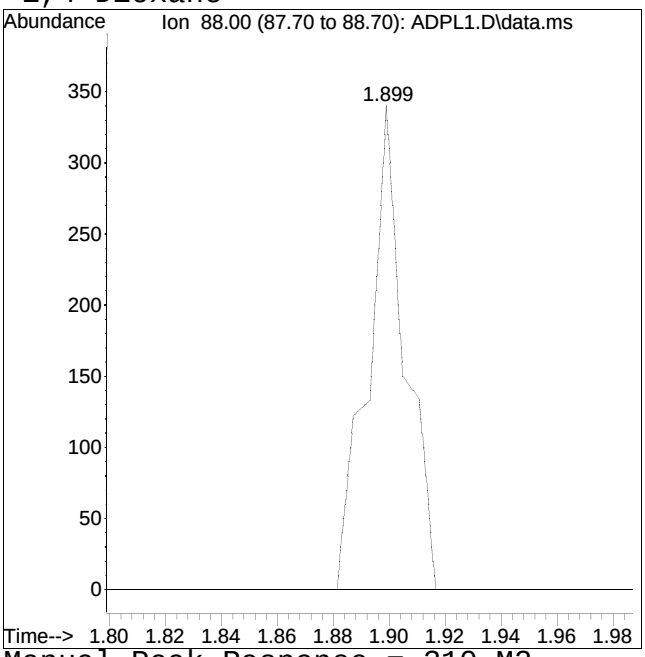
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 7:31 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 1080Quant Date : 7/1/2024 6:25 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0



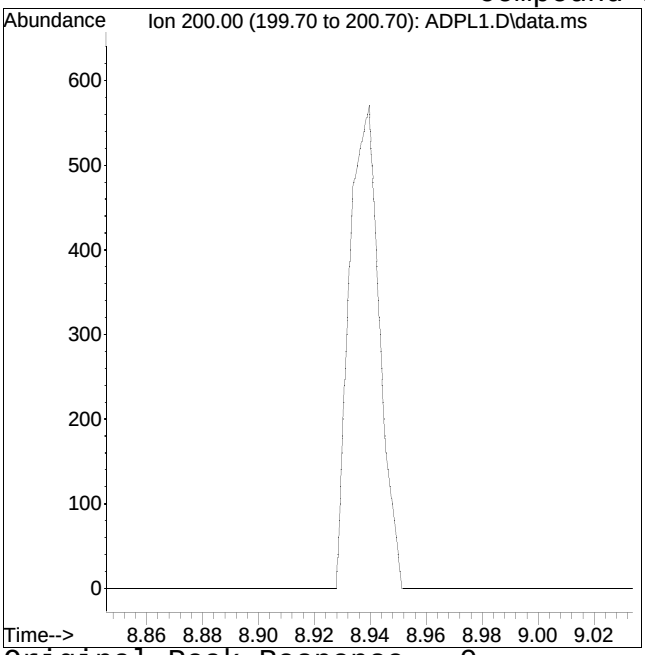
Manual Peak Response = 310 M2

M2 = Peak not found by automatic integration algorithm.

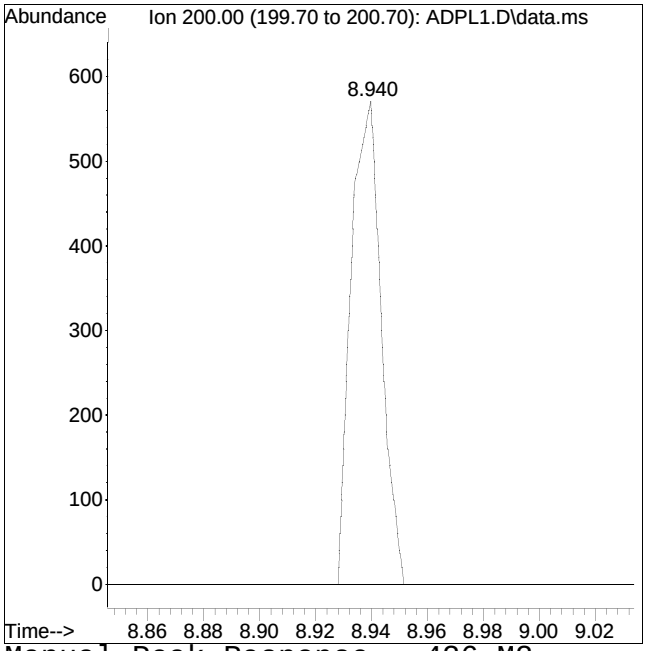
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 7:31 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 1080Quant Date : 7/1/2024 6:25 am

Compound #87: Atrazine



Original Peak Response = 0



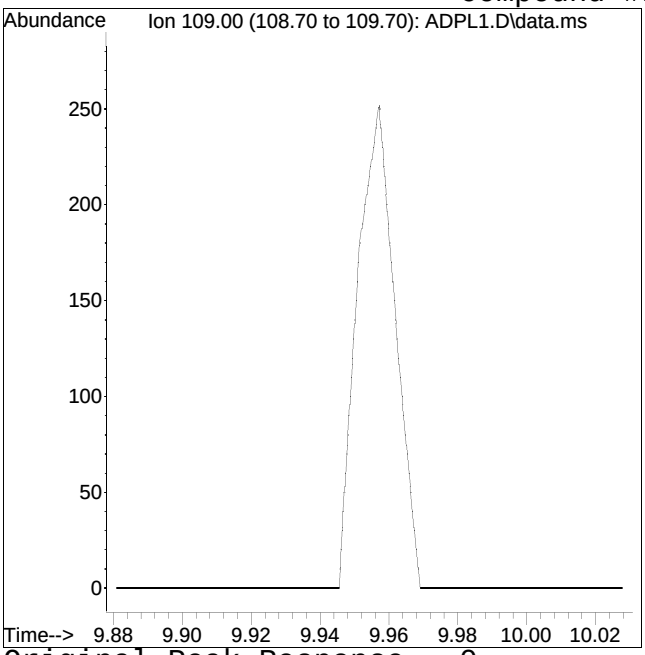
Manual Peak Response = 426 M2

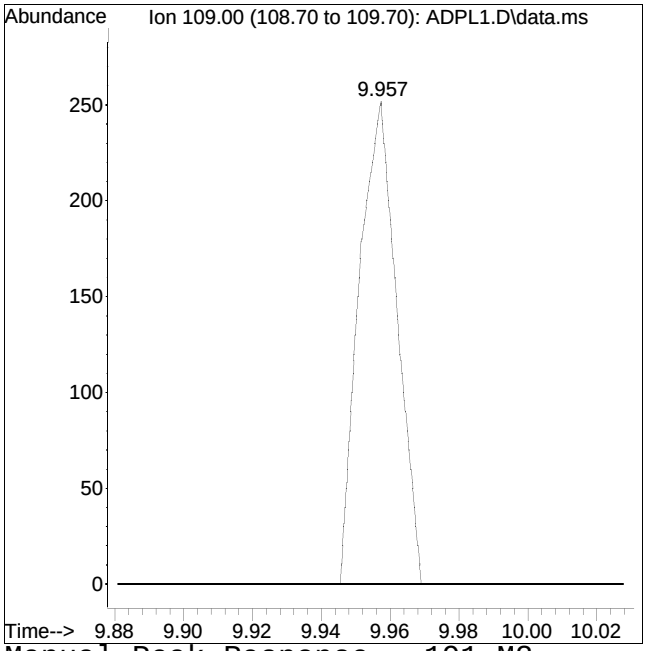
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 7:31 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 1080Quant Date : 7/1/2024 6:25 am

Compound #102: Parathion





Original Peak Response = 0 Manual Peak Response = 191 M2
M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPICV.D
Acq On : 26 Jun 2024 07:54 am
Operator : SV112:mrg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939943
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 01 06:17:58 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	93	0.00
33	T	1,4-Dioxane		0.470	0.437	7.0	98	0.00
34	T	n-Decane		1.145	1.147	-0.2	101	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	100	0.00
87	T	Atrazine		0.441	0.385	12.7	97	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	101	0.00
101	T	n-Octadecane		0.315	0.303	3.8	109	0.00
102	T	Parathion	*	5.000	3.993	20.1#	96	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	3.947	21.1#	92	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPICV.D
Acq On : 26 Jun 2024 07:54 am
Operator : SV112:mrg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939943
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 01 06:17:58 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	18786	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	93.05%		
86) IS3_Acenaphthene-d10	7.746	164	45310	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	100.49%		
100) IS3_Phenanthrene-d10	9.175	188	108986	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	100.97%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.887	88	10259	4.643	ug/ml#	89
34) n-Decane	4.687	57	26927	5.005	ug/ml	94
87) Atrazine	8.940	200	21793	4.360	ug/ml	98
101) n-Octadecane	9.146	57	41233	4.809	ug/ml	94
102) Parathion	9.957	109	9588	3.993	ug/ml#	88
103) 3,3'-Dimethylbenzidine	11.251	212	84313	3.947	ug/ml	98

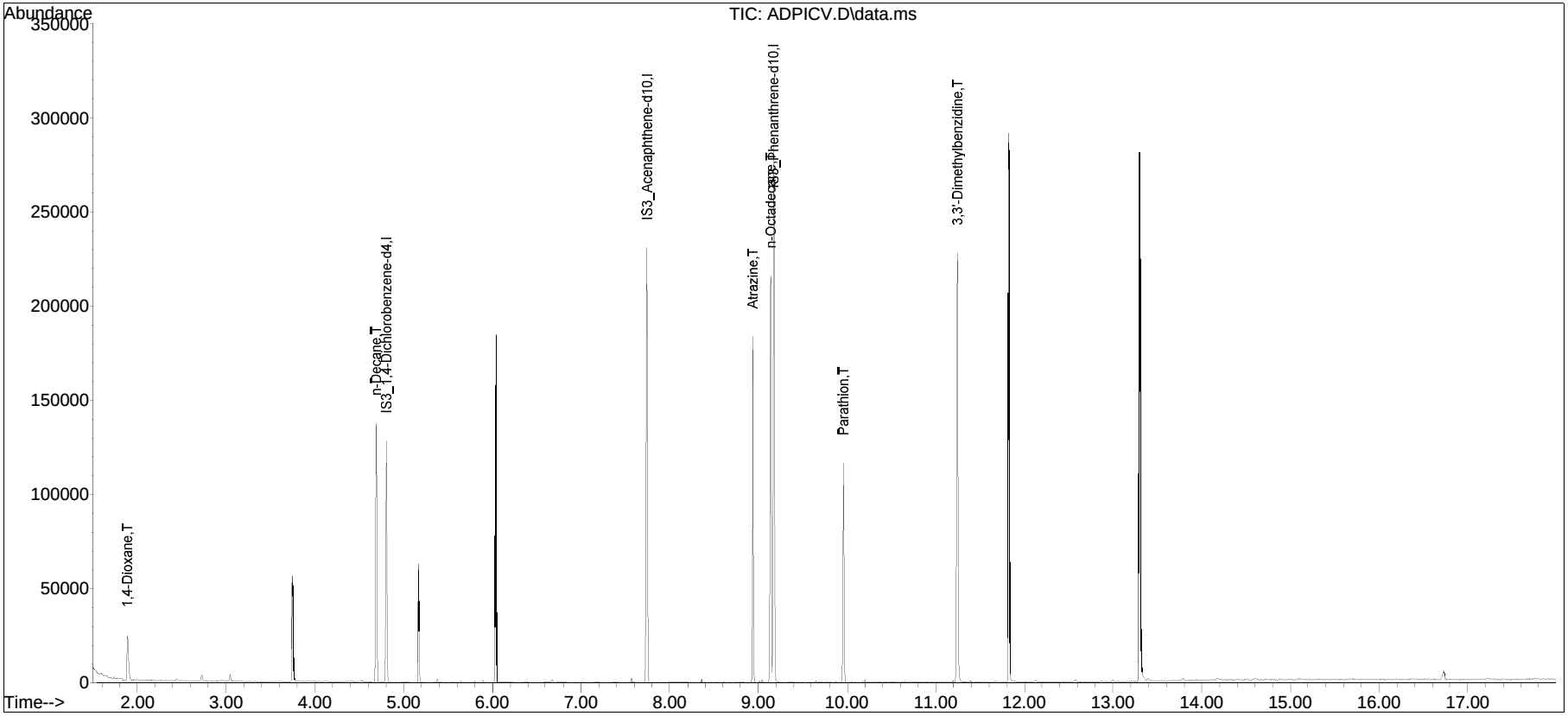
(#) = qualifier out of range (m) = manual integration (+) = signals summed

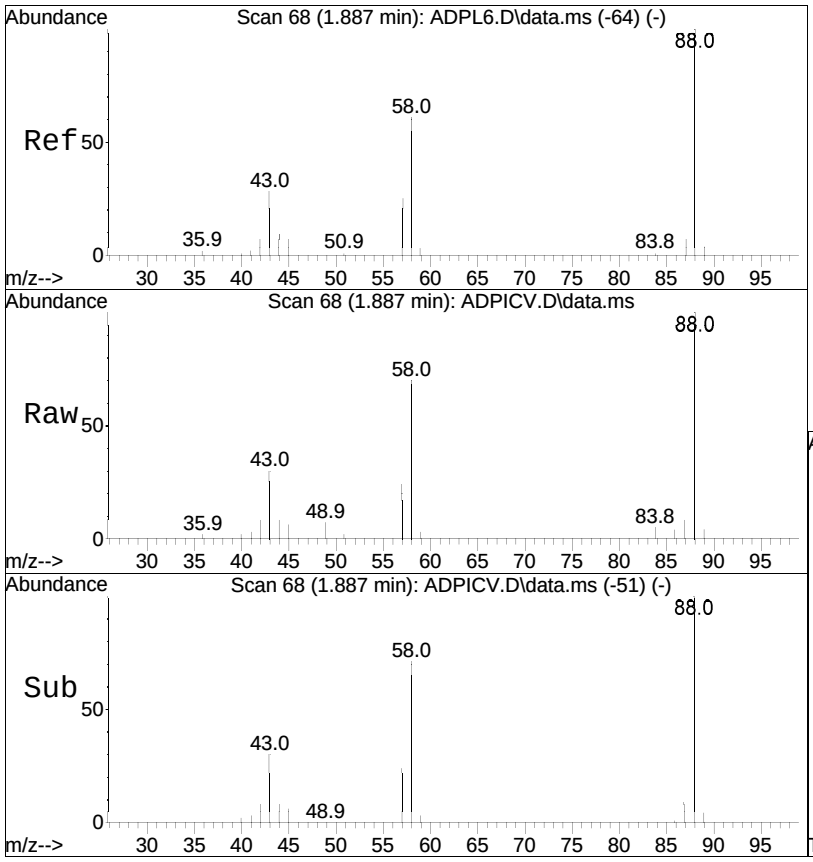
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPICV.D
Acq On : 26 Jun 2024 07:54 am
Operator : SV112:mrg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939943
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 01 06:17:58 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•

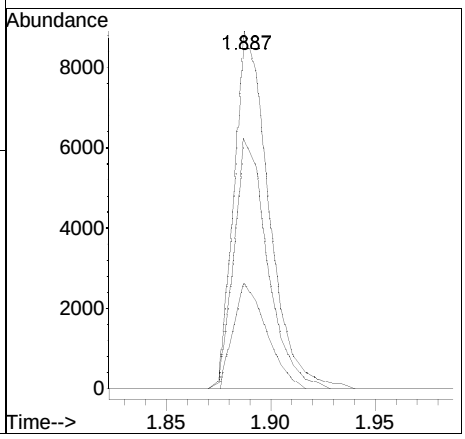


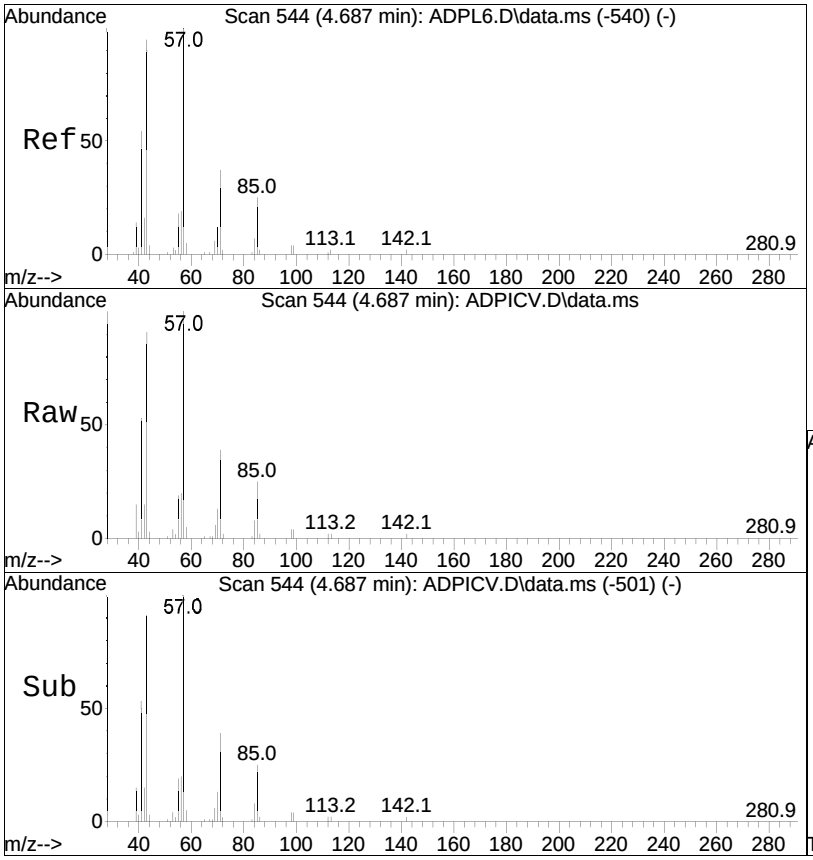


#33
1,4-Dioxane
Concen: 4.64 ug/ml
RT: 1.887 min Scan# 68
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion: 88 Resp: 10259

Ion	Ratio	Lower	Upper
88	100		
58	67.6	44.8	67.2#
43	28.3	22.4	33.6

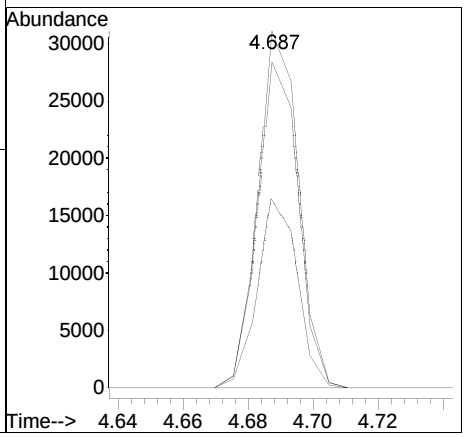


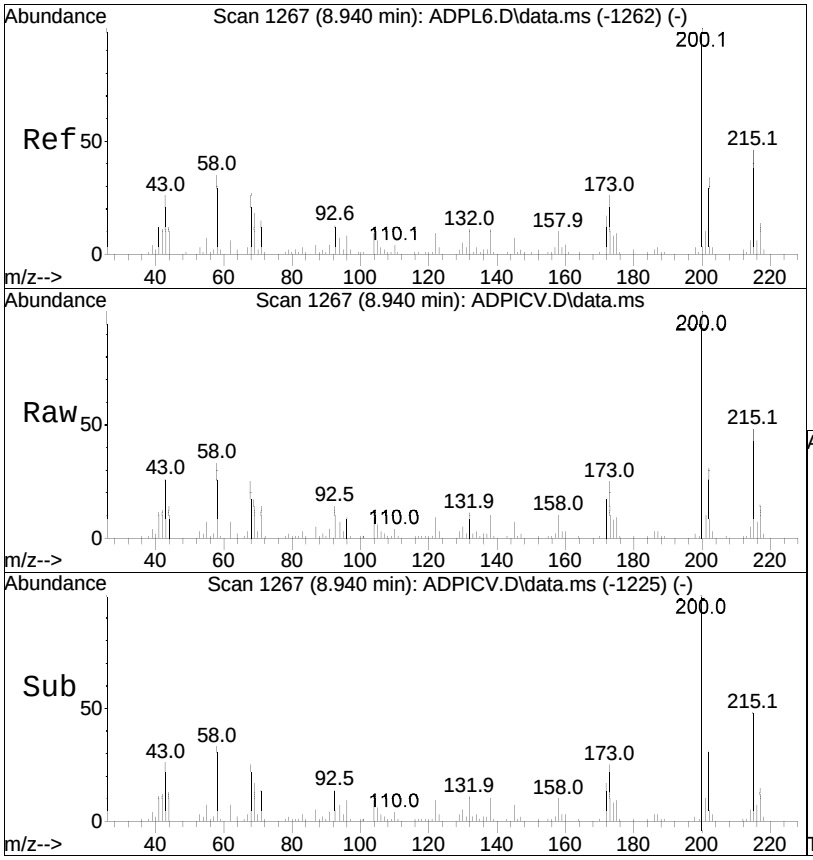


#34
n-Decane
Concen: 5.01 ug/ml
RT: 4.687 min Scan# 544
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion: 57 Resp: 26927

Ion	Ratio	Lower	Upper
57	100		
43	91.4	75.4	113.2
41	52.1	35.0	52.6

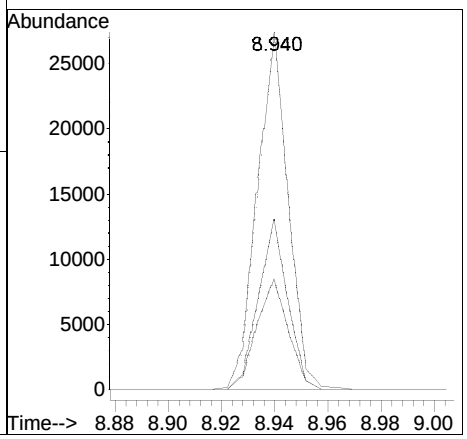


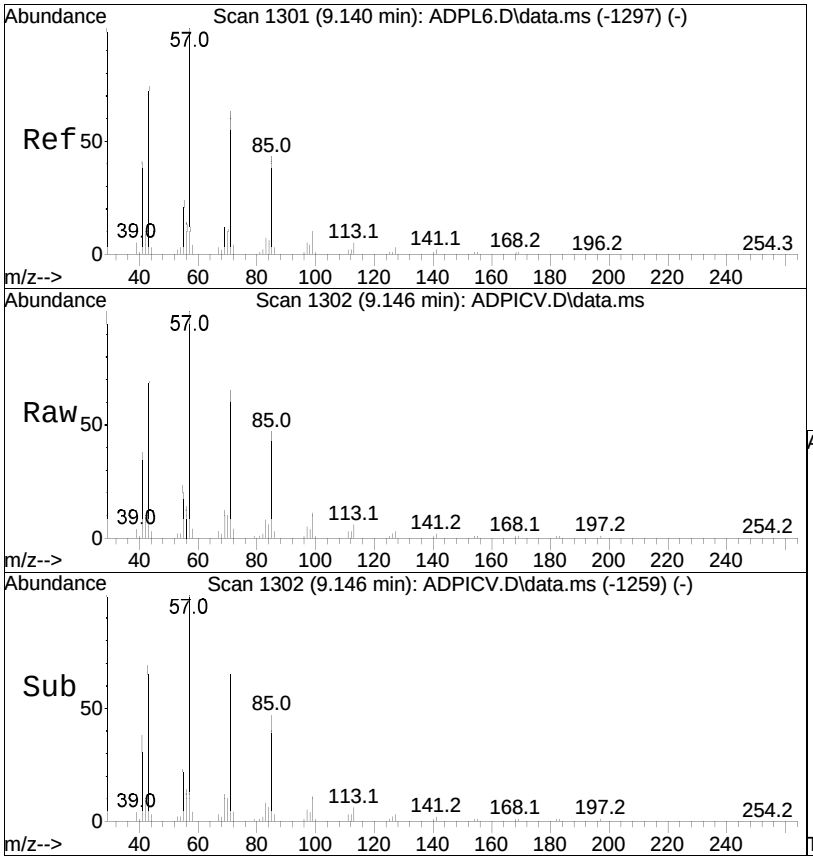


#87
Atrazine
Concen: 4.36 ug/ml
RT: 8.940 min Scan# 1267
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion:200 Resp: 21793

Ion	Ratio	Lower	Upper
200	100		
202	31.8	25.0	37.6
215	45.2	34.5	51.7

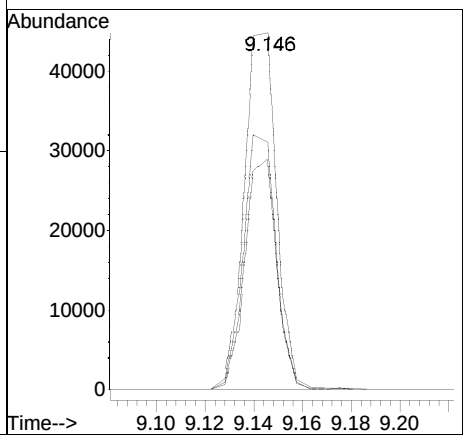


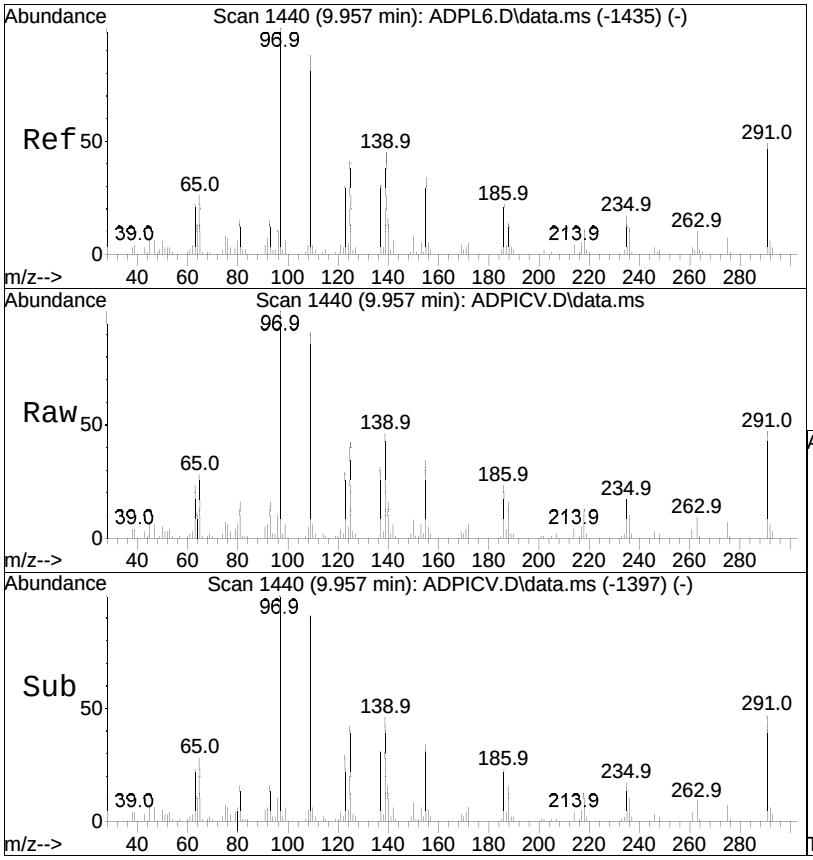


#101
n-Octadecane
Concen: 4.81 ug/ml
RT: 9.146 min Scan# 1302
Delta R.T. 0.006 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion: 57 Resp: 41233

Ion	Ratio	Lower	Upper
57	100		
43	70.9	54.3	81.5
71	62.9	45.1	67.7

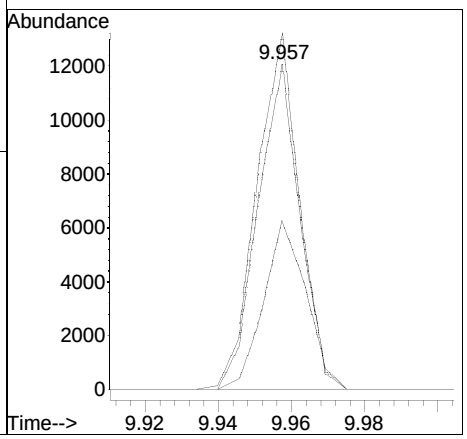


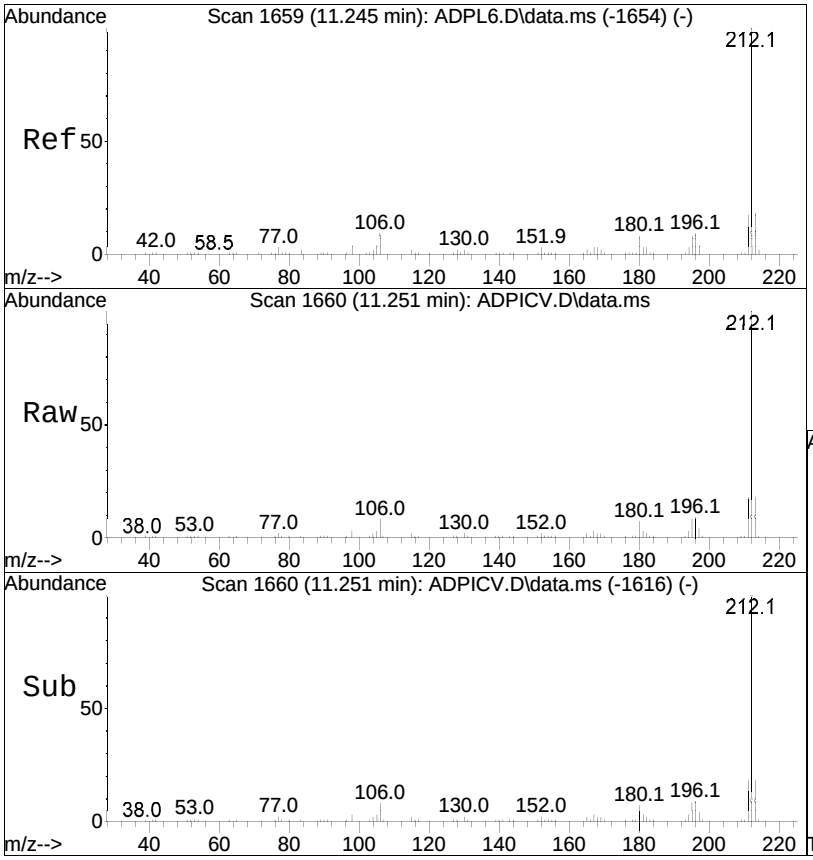


#102
Parathion
Concen: 3.99 ug/ml
RT: 9.957 min Scan# 1440
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion:109 Resp: 9588

Ion	Ratio	Lower	Upper
109	100		
97	111.2	85.4	128.2
291	52.4	25.4	38.2#

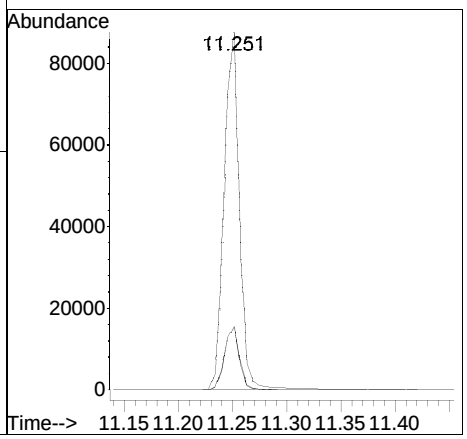




#103
3,3'-Dimethylbenzidine
Concen: 3.95 ug/ml
RT: 11.251 min Scan# 1660
Delta R.T. 0.006 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion:212 Resp: 84313

Ion	Ratio	Lower	Upper
212	100		
211	17.1	13.3	19.9
213	17.7	13.4	20.2



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPICV.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 7:54 am	Instrument	: SV112
Sample	: CQICV3,32,,ADPICV Lot# 108	Quant Date	: 7/1/2024 6:18 am

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

Evaluate Relative Error Report SV112

Method Path : I:\8270\SV112\240625RVTical\
Method File : FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sun Jun 30 14:25:57 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37	T Benzoic Acid	L	ug/ml	5.0	4.612	-7.8	2.50	2.700	8.0
60	T Caprolactam	L	ug/ml	5.0	4.695	-6.1	1.00	1.156	15.6
66	T 2,4-Dinitrophenol	Q	ug/ml	5.0	4.592	-8.2	0.50	0.607	21.4
76	T 4,6-Dinitro-o-cresol	L	ug/ml	5.0	4.193	-16.1	0.25	0.319	27.6
84	T Dichloran	L	ug/ml	5.0	4.379	-12.4	1.00	1.239	23.9
102	T Parathion	Q	ug/ml	5.0	4.172	-16.6	0.25	0.269	7.6
103	T 3,3'-Dimethylbenzidine	L	ug/ml	5.0	4.295	-14.1	0.50	0.560	12.0

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37	T Benzoic Acid	Linear	0.999194	0.000000	0.256856	-0.0929314
60	T Caprolactam	Linear	0.998974	0.000000	0.182736	-0.0213123
66	T 2,4-Dinitrophenol	Quadratic	0.998454	0.002114	0.171832	-0.0162283
76	T 4,6-Dinitro-o-cresol	Linear	0.996627	0.000000	0.257628	-0.0149534
84	T Dichloran	Linear	0.996413	0.000000	0.264594	-0.0418721
102	T Parathion	Quadratic	0.998154	0.002810	0.0878995	-0.00258094
103	T 3,3'-Dimethylbenzidine	Linear	0.997070	0.000000	0.82599	-0.0414416

Response Factor Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.688	0.547	0.631	0.657	0.592	0.619	0.625	0.637	0.677	0.630	6.87
3)	t	Pyridine	0.718	0.742	0.925	1.043	0.961	1.016	1.039	1.024	1.118	0.954	14.48
4)	S	2-Fluorophenol	1.049	1.004	1.119	1.011	0.907	1.005	1.012	1.034	1.114	1.028	6.19
5)	T	Aniline	1.820	1.428	1.670	1.497	1.407	1.535	1.513	1.561	1.671	1.567	8.42
6)	t	2-Chlorophenol	1.412	1.055	1.248	1.201	1.124	1.210	1.219	1.242	1.314	1.225	8.34
7)	S	Phenol-d6	1.562	1.289	1.387	1.281	1.108	1.276	1.276	1.308	1.365	1.317	9.16
8)	T	Phenol	1.717	1.324	1.459	1.383	1.257	1.388	1.373	1.397	1.488	1.421	9.16
9)	T	bis(2-Chloroethyl)ether	1.289	0.906	1.073	0.962	0.928	0.981	0.987	0.993	1.037	1.017	11.18
10)	T	1,3-Dichlorobenzene	1.989	1.455	1.700	1.552	1.372	1.510	1.497	1.511	1.602	1.577	11.40
11)	T	1,4-Dichlorobenzene	2.118	1.551	1.603	1.571	1.432	1.536	1.512	1.529	1.633	1.610	12.35
12)	T	1,2-Dichlorobenzene	1.695	1.566	1.655	1.525	1.383	1.466	1.447	1.489	1.583	1.534	6.57
13)	t	Benzyl alcohol	1.016	0.858	0.891	0.896	0.818	0.912	0.930	0.995	1.055	0.930	8.32
14)	T	bis(2-chloroisopropyl)ether	2.239	1.745	1.843	1.773	1.610	1.706	1.707	1.728	1.793	1.794	9.98
15)	T	2-Methylphenol	1.301	1.037	1.137	1.033	0.949	1.014	1.050	1.065	1.130	1.079	9.34
16)	T	Hexachloroethane	0.791	0.505	0.620	0.596	0.507	0.543	0.558	0.571	0.615	0.589	14.63
17)	T	n-Nitrosodi-n-propylamine	1.121	0.834	0.856	0.811	0.724	0.813	0.829	0.866	0.909	0.863	12.65
18)	T	3-Methylphenol/4-Methylphenol	1.510	1.200	1.173	1.153	0.986	1.108	1.108	1.166	1.239	1.182	12.02
19)	S	Nitrobenzene-d5	1.239	1.148	1.175	1.191	1.071	1.176	1.187	1.238	1.328	1.195	5.92
20)	T	Nitrobenzene	1.353	1.122	1.287	1.162	1.081	1.203	1.212	1.254	1.326	1.222	7.51
21)	T	Isophorone	2.724	2.161	2.268	2.038	1.932	2.172	2.181	2.313	2.433	2.247	10.29
22)	T	2-Nitrophenol	0.655	0.587	0.609	0.564	0.538	0.598	0.623	0.674	0.721	0.619	9.18
23)	T	2,4-Dimethylphenol	1.368	1.006	1.085	1.051	0.963	1.062	1.074	1.108	1.188	1.101	10.75
24)	T	bis(2-Chloroethoxy)methane	1.605	1.319	1.550	1.332	1.236	1.352	1.353	1.401	1.451	1.400	8.36
25)	T	2,4-Dichlorophenol	1.548	1.174	1.340	1.190	1.118	1.246	1.245	1.307	1.399	1.285	10.22
26)	T	1,2,4-Trichlorobenzene	1.977	1.522	1.585	1.488	1.349	1.476	1.475	1.515	1.611	1.555	11.25
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.535	0.565	0.698	0.703	0.698	0.762	0.770	0.814	0.786	0.703	13.73
29)	T	Acetophenone	1.107	1.282	1.407	1.330	1.361	1.463	1.521	1.608	1.552	1.403	11.02
30)	T	m-Toluidine			1.080	1.092	1.257	1.323	1.390	1.457	1.409	1.287	11.76
31)	T	2-Chloroaniline	1.078	1.270	1.369	1.264	1.363	1.427	1.471	1.559	1.510	1.368	10.81
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.252	0.402	0.398	0.392	0.404	0.400	0.409	0.392	0.381	13.71
34)	t	n-Nitrosodieth...		0.349	0.372	0.347	0.382	0.401	0.414	0.437	0.420	0.390	8.57
35)	T	n-Decane	0.828	1.074	1.101	0.967	1.017	1.097	1.087	1.158	1.107	1.048	9.45
36)	t	n-Nitrosopyrro...	0.287	0.406	0.461	0.431	0.441	0.486	0.521	0.550	0.537	0.458	17.68
37)	I	IS1_Naphthalene-d8	----------ISTD----------										
38)	T	Naphthalene	1.453	1.116	1.167	1.048	0.965	1.022	1.010	1.038	1.082	1.100	13.19
39)	T	Benzoic Acid					0.170	0.206	0.226	0.257	0.279	0.228	18.76
40)	T	4-Chloroaniline	0.150	0.114	0.123	0.117	0.108	0.118	0.114	0.119	0.125	0.121	9.98
41)	T	Hexachlorobutadiene	0.298	0.234	0.285	0.254	0.231	0.250	0.249	0.255	0.270	0.258	8.55
42)	T	p-Chloro-m-cresol	0.342	0.278	0.308	0.267	0.246	0.280	0.275	0.298	0.315	0.290	9.94
43)	T	2-Methylnaphthalene	1.045	0.738	0.807	0.705	0.659	0.700	0.706	0.729	0.763	0.761	15.02
44)	T	1-Methylnaphthalene	0.321	0.228	0.254	0.233	0.207	0.232	0.225	0.231	0.246	0.242	13.41
45)	T	Hexachlorocyclopentadiene	0.297	0.225	0.280	0.262	0.240	0.269	0.274	0.291	0.311	0.272	10.00

Response Factor Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46)	T	2,4,6-Trichlorophenol	0.326	0.279	0.279	0.267	0.250	0.278	0.282	0.300	0.320	0.287	8.51
47)	T	2,4,5-Trichlorophenol	0.399	0.300	0.312	0.309	0.278	0.301	0.313	0.325	0.347	0.320	10.95
48)	S	2-Fluorobiphenyl	1.386	0.978	1.052	0.941	0.852	0.912	0.902	0.920	0.968	0.990	16.04
49)	T	2-Chloronaphthalene	1.113	0.897	0.884	0.813	0.728	0.799	0.774	0.811	0.853	0.852	13.02
50)	T	2-Nitroaniline	0.220	0.198	0.212	0.207	0.184	0.216	0.223	0.243	0.260	0.218	10.43
51)	T	1,4-Dinitrobenzene	0.093	0.063	0.090	0.090	0.086	0.094	0.101	0.113	0.122	0.095	17.69
52)	T	1,3-Dinitrobenzene	0.108	0.093	0.120	0.105	0.098	0.114	0.117	0.129	0.137	0.113	12.53
53)	T	Dimethyl phthalate	1.318	0.991	1.021	0.936	0.866	0.923	0.912	0.953	0.998	0.991	13.29
54)	T	Acenaphthylene	1.586	1.204	1.302	1.203	1.092	1.183	1.181	1.230	1.286	1.252	11.14
55)	T	2,6-Dinitrotoluene	0.192	0.157	0.185	0.174	0.167	0.186	0.187	0.201	0.215	0.185	9.50
56)	T	1,2-Dinitrobenzene		0.043	0.065	0.067	0.062	0.070	0.069	0.073	0.080	0.066	16.02
57)	I	IS2_Naphthalene-d8	----------ISTD----------										
58)	T	a-Terpineol	0.162	0.210	0.212	0.213	0.210	0.235	0.239	0.261	0.251	0.221	13.16
59)	T	3-Chloroaniline		0.086	0.112	0.111	0.106	0.125	0.121	0.129	0.125	0.115	12.17
60)	T	2,6-Dichlorophenol	0.250	0.246	0.297	0.277	0.286	0.319	0.317	0.339	0.329	0.296	11.35
61)	T	1-chloro-2-nitrobenzene	0.068	0.091	0.114	0.114	0.114	0.126	0.124	0.137	0.133	0.113	19.26
62)	T	Caprolactam	0.115	0.103	0.112	0.114	0.113	0.127	0.132	0.146	0.142	0.123	12.07
63)	T	1,2,4,5-Tetrachlorobenzene	0.355	0.419	0.415	0.393	0.401	0.437	0.417	0.450	0.429	0.413	6.76
64)	T	Biphenyl	0.719	0.789	0.880	0.804	0.823	0.897	0.870	0.918	0.876	0.842	7.51
65)	I	IS1_Acenaphthene-d10	----------ISTD----------										
66)	T	3-Nitroaniline	0.312	0.289	0.294	0.288	0.284	0.310	0.324	0.332	0.349	0.309	7.30
67)	T	Acenaphthene	1.665	1.203	1.195	1.092	1.004	1.062	1.049	1.077	1.122	1.163	17.13
68)	T	2,4-Dinitrophenol				0.130	0.149	0.172	0.185	0.208	0.226	*L	0.9959
69)	T	Dibenzofuran	2.796	2.124	2.085	1.944	1.749	1.824	1.814	1.833	1.885	2.006	16.04
70)	T	2,4-Dinitrotoluene	0.373	0.326	0.366	0.349	0.361	0.402	0.410	0.433	0.464	0.387	11.29
71)	T	4-Nitrophenol	0.229	0.206	0.209	0.221	0.208	0.233	0.237	0.255	0.273	0.230	9.86
72)	T	2,3,5,6-Tetrachlorophenol	0.465	0.419	0.459	0.406	0.390	0.425	0.429	0.454	0.481	0.436	6.86
73)	T	2,3,4,6-Tetrachlorophenol	0.536	0.376	0.418	0.411	0.383	0.413	0.421	0.432	0.461	0.428	11.15
74)	T	Diethyl phthalate	2.187	1.601	1.621	1.458	1.366	1.435	1.445	1.489	1.570	1.575	15.53
75)	T	Fluorene	2.060	1.606	1.598	1.495	1.311	1.420	1.399	1.439	1.498	1.536	14.16
76)	T	4-Chlorophenyl-phenylether	1.099	0.823	0.819	0.767	0.683	0.722	0.716	0.736	0.762	0.792	15.66
77)	T	4-Nitroaniline	0.236	0.258	0.299	0.296	0.275	0.312	0.317	0.337	0.357	0.299	12.76
78)	T	4,6-Dinitro-o-cresol	0.240	0.149	0.221	0.215	0.210	0.242	0.251	0.278	0.300	0.234	18.54
79)	T	NDPA/DPA	1.902	1.355	1.398	1.272	1.134	1.220	1.202	1.245	1.300	1.337	16.94
80)	T	Azobenzene	1.550	1.299	1.365	1.219	1.116	1.216	1.210	1.254	1.298	1.281	9.61
81)	S	2,4,6-Tribromophenol	0.315	0.286	0.278	0.265	0.249	0.272	0.276	0.299	0.332	0.286	8.99
82)	T	4-Bromophenyl-phenylether	0.722	0.544	0.560	0.476	0.442	0.474	0.474	0.485	0.517	0.522	16.10
83)	T	Hexachlorobenzene	0.895	0.718	0.682	0.616	0.571	0.586	0.579	0.605	0.656	0.656	15.60
84)	T	Pentachlorophenol	0.372	0.280	0.312	0.320	0.315	0.357	0.379	0.412	0.455	0.356	15.51
85)	I	IS2_Acenaphthene-d10	----------ISTD----------										
86)	T	Dichloran		0.151	0.132	0.142	0.146	0.165	0.185	0.214	0.217	0.169	19.47
87)	T	Pentachloronitrobenzene			0.157	0.173	0.164	0.181	0.190	0.220	0.221	0.187	13.74
88)	I	IS3_Acenaphthene-d10	----------ISTD----------										
89)	T	Atrazine	0.307	0.322	0.368	0.285	0.313	0.342	0.350	0.401	0.400	0.343	11.90
90)	I	IS1_Phenanthrene-d10	----------ISTD----------										

Response Factor Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

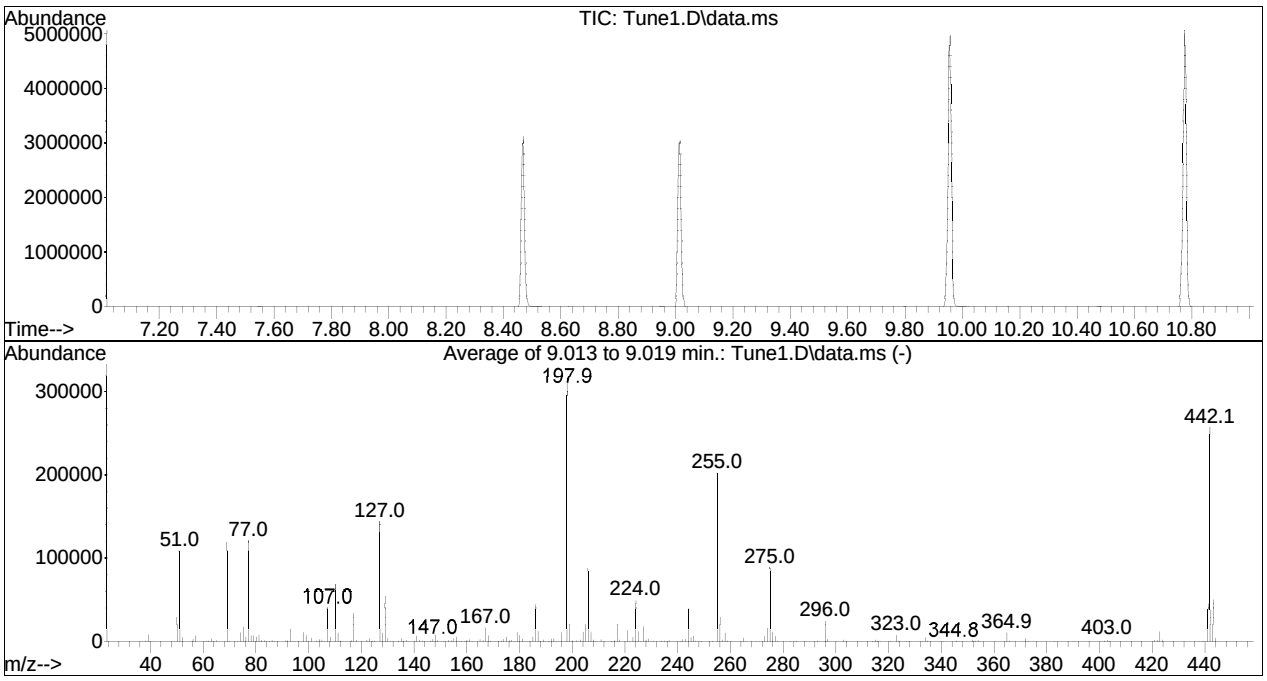
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Phenanthrene	1.655	1.246	1.214	1.134	1.019	1.085	1.072	1.100	1.119	1.183	16.11
92)	T	Anthracene	1.572	1.147	1.191	1.098	1.017	1.082	1.065	1.115	1.153	1.160	14.06
93)	T	Carbazole	1.327	1.038	1.109	1.013	0.956	1.020	1.001	1.037	1.079	1.064	10.14
94)	T	Di-n-butylphthalate	1.417	1.094	1.207	1.105	1.064	1.185	1.204	1.275	1.309	1.207	9.42
95)	T	Fluoranthene	1.943	1.443	1.460	1.351	1.250	1.321	1.315	1.344	1.374	1.422	14.44
96)	T	Benzidine	0.815	0.657	0.698	0.696	0.708	0.801	0.818	0.853	0.900	0.772	10.90
97)	T	Pyrene	2.028	1.546	1.562	1.479	1.353	1.429	1.397	1.427	1.456	1.520	13.29
98)	S	4-Terphenyl-d14	1.660	1.139	1.202	1.092	1.007	1.066	1.052	1.085	1.114	1.157	16.95
99)	T	Butyl benzyl phthalate	0.567	0.415	0.479	0.447	0.453	0.520	0.541	0.594	0.635	0.517	14.34
100)	I	IS2_Phenanthrene-d10	----------ISTD----------										
101)	T	Diphenamid	0.347	0.380	0.392	0.377	0.390	0.434	0.456	0.494	0.474	0.416	12.13
102)	I	IS3_Phenanthrene-d10	----------ISTD----------										
103)	T	n-Octadecane	0.279	0.354	0.355	0.289	0.309	0.332	0.347	0.369	0.369	0.334	10.10
104)	T	Parathion			0.076	0.062	0.069	0.074	0.086	0.106	0.115	*Q	0.9978
105)	T	3,3'-Dimethylbenzidine				0.425	0.542	0.649	0.734	0.845	0.870	*L	0.9972
106)	I	IS1_Chrysene-d12	----------ISTD----------										
107)	T	Benzo[a]anthracene	1.869	1.383	1.408	1.283	1.164	1.251	1.262	1.278	1.301	1.355	15.16
108)	T	3,3'-Dichlorobenzidine	0.587	0.439	0.489	0.467	0.455	0.503	0.519	0.533	0.552	0.505	9.52
109)	T	Chrysene	1.959	1.373	1.454	1.290	1.162	1.224	1.199	1.230	1.250	1.349	18.23
110)	T	bis(2-Ethylhexyl)phthalate	0.831	0.597	0.665	0.632	0.630	0.732	0.775	0.822	0.855	0.726	13.56
111)	T	Di-n-octylphthalate	1.380	1.021	1.044	1.017	1.027	1.217	1.316	1.411	1.473	1.212	15.54
112)	T	Benzo(b)fluoranthene	1.822	1.402	1.469	1.372	1.282	1.313	1.333	1.348	1.437	1.420	11.43
113)	T	Benzo(k)fluoranthene	1.743	1.264	1.425	1.314	1.209	1.355	1.362	1.367	1.409	1.383	10.93
114)	T	Benzo(a)pyrene	1.495	1.196	1.246	1.206	1.127	1.232	1.262	1.289	1.349	1.267	8.34
115)	I	IS1_Perylene-d12	----------ISTD----------										
116)	T	Indeno(1,2,3-cd)pyrene	1.598	1.131	1.193	1.086	1.057	1.169	1.203	1.283	1.387	1.234	13.71
117)	T	Dibenzo[a,h]anthracene	1.503	1.130	1.213	1.140	1.076	1.169	1.186	1.217	1.281	1.213	10.21
118)	T	Benzo(g,h,i)perylene	1.547	1.172	1.230	1.097	1.024	1.118	1.137	1.171	1.234	1.192	12.43

(#) = Out of Range

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024



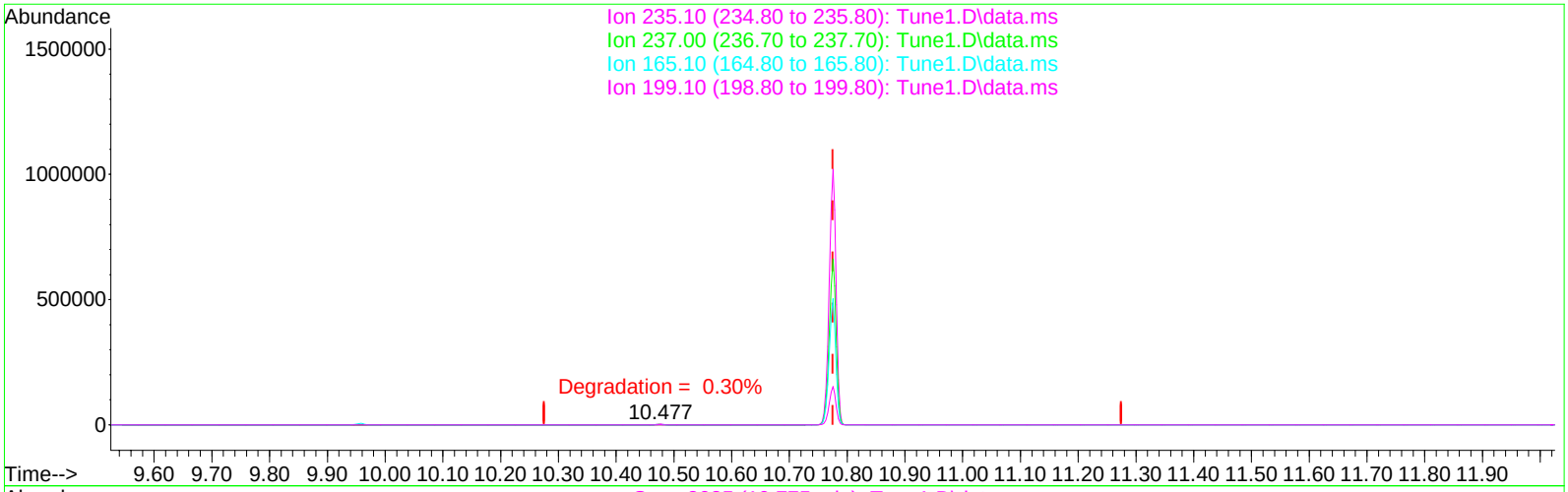
Spectrum Information: Average of 9.013 to 9.019 min.

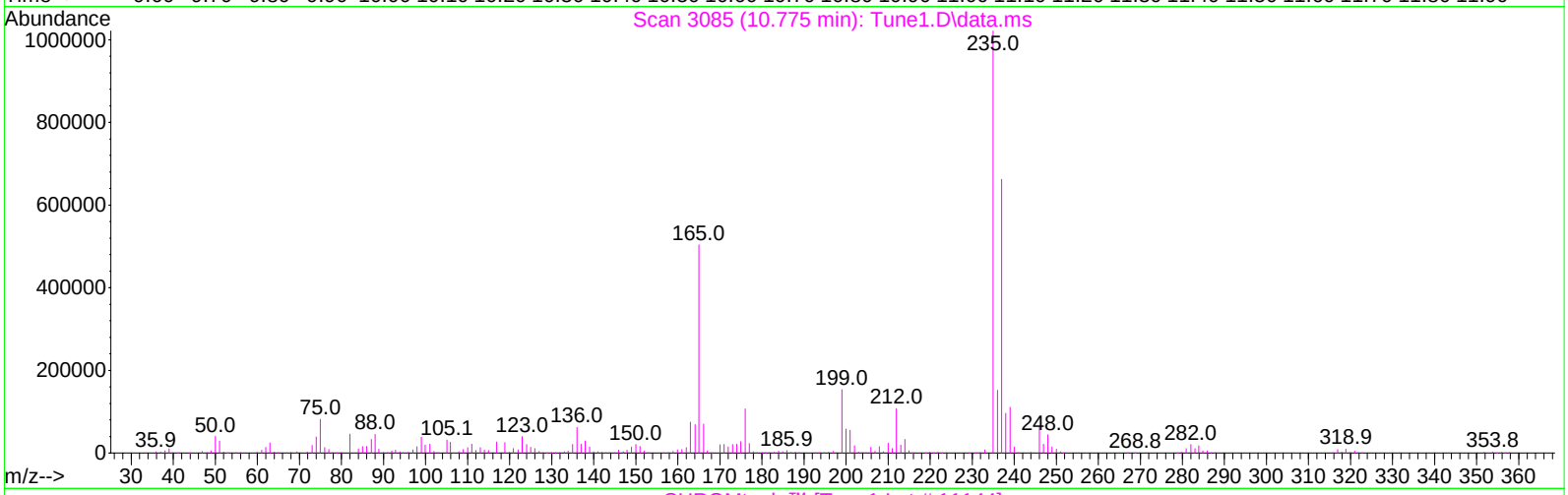
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.4	108867	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	118323	PASS
70	69	0.00	2	0.6	688	PASS
127	198	10	80	45.2	143328	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	316843	PASS
199	198	5	9	6.5	20619	PASS
275	198	10	60	27.8	88232	PASS
365	198	1	100	3.3	10554	PASS
441	442	0.01	24	17.4	44621	PASS
442	198	50	100	80.8	256128	PASS
443	442	15	24	19.7	50387	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 05 18:26:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot # 11144]

(6) DDT (T)

10.775min (+ 0.000) 139.61

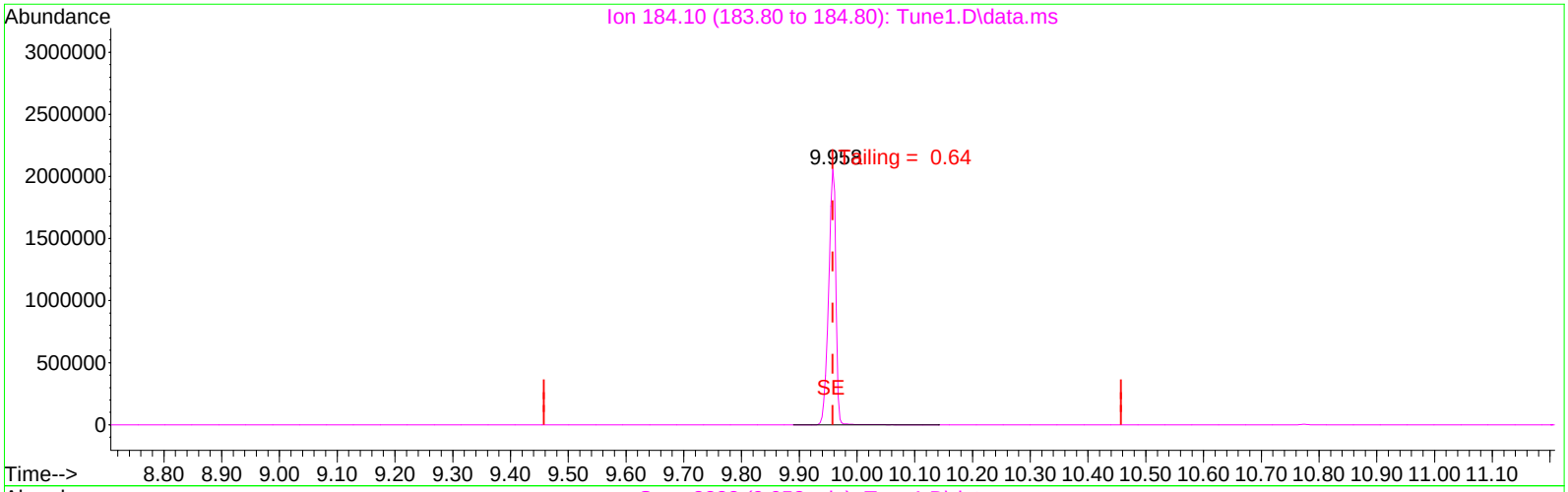
response 851056

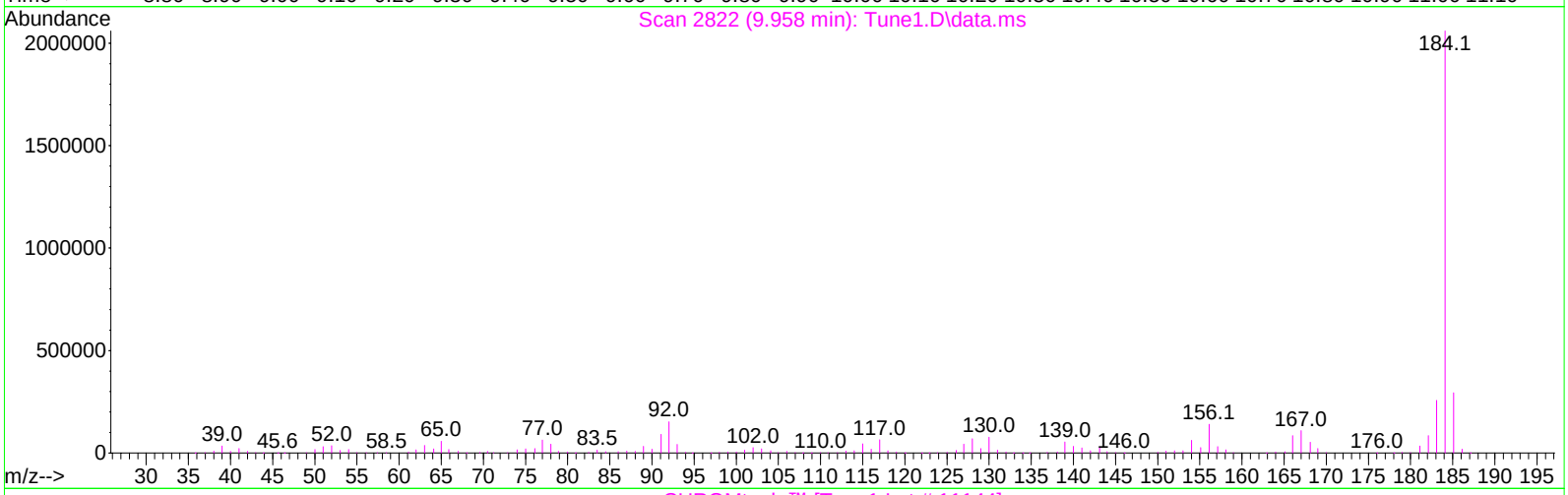
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.29
165.10	48.70	47.50
199.10	15.80	14.59

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 05 18:26:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot # 11144]

(3) Benzidine (T)

9.958min (+ 0.000) 176.60

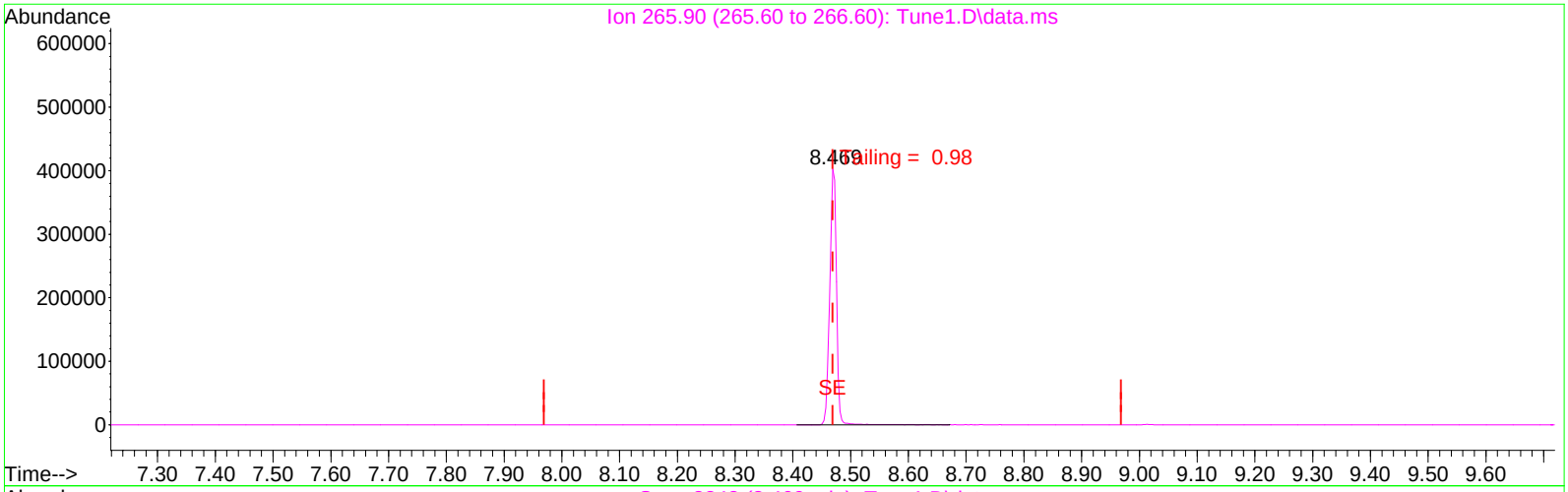
response 1797793

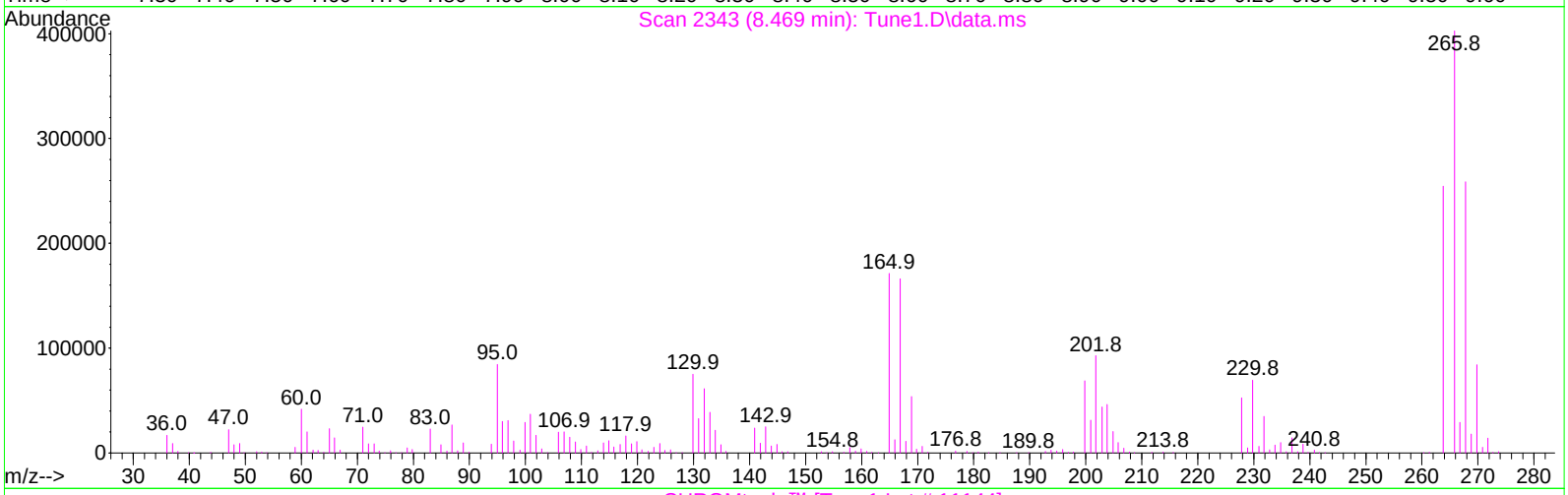
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 05 18:26:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot # 11144]

(1) Pentachlorophenol (T)

8.469min (+ 0.000) 155.17

response 325922

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.286	152	30652	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 105.84%		
37) IS1_Naphthalene-d8	5.523	136	115575	4.000 ug/ml #	0.00
Standard Area 1 = 107558			Recovery = 107.45%		
65) IS1_Acenaphthene-d10	7.217	164	76687	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 110.26%		
90) IS1_Phenanthrene-d10	8.628	188	166987	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 111.46%		
106) IS1_Chrysene-d12	11.204	240	194641	4.000 ug/ml	0.01
Standard Area 1 = 173036			Recovery = 112.49%		
115) IS1_Perylene-d12	12.615	264	225226	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 110.75%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	426850	59.194 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2959.70%#		
7) Phenol-d6	3.997	99	522918	56.419 ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 2820.95%#		
19) Nitrobenzene-d5	4.836	82	509012	60.281 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 6028.10%#		
48) 2-Fluorobiphenyl	6.598	172	1397973	47.353 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4735.30%#		
81) 2,4,6-Tribromophenol	7.978	330	318182	63.648 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 3182.40%#		
98) 4-Terphenyl-d14	10.197	244	2326146	51.642 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 5164.20%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.600	74	259400	52.853 ug/ml#	81
3) Pyridine	1.628	79	428290M4	55.731 ug/ml	
5) Aniline	3.972	93	640203	53.323 ug/ml	97
6) 2-Chlorophenol	4.084	128	503520	57.731 ug/ml#	89
8) Phenol	4.009	94	570150	52.586 ug/ml	95
9) Bis(2-chloroethyl)ether	4.062	93	397399	51.752 ug/ml	97
10) 1,3-Dichlorobenzene	4.227	146	613947	47.830 ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	625718	49.989 ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	606587	50.459 ug/ml	94
13) Benzyl alcohol	4.457	79	404093	59.695 ug/ml	99
14) Bis(2-chloroisopropyl)...	4.593	45	686842	43.928 ug/ml#	58

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.593	108	432836	56.676	ug/ml	99
16) Hexachloroethane	4.774	117	235552	51.801	ug/ml#	50
17) n-Nitrosodi-n-propylamine	4.730	70	348350	54.578	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.758	108	474628	58.576	ug/ml	98
20) Nitrobenzene	4.855	77	508075	56.813	ug/ml	99
21) Isophorone	5.103	82	932214	56.512	ug/ml	95
22) 2-Nitrophenol	5.168	139	276353	73.081	ug/ml#	86
23) 2,4-Dimethylphenol	5.265	107	455183	59.441	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.346	93	555844	53.062	ug/ml#	95
25) 2,4-Dichlorophenol	5.414	162	535919	56.225	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.482	180	617065	49.088	ug/ml	96
38) Naphthalene	5.545	128	1563409	50.438	ug/ml	99
39) Benzoic Acid	5.448	105	403452	57.603	ug/ml	94
40) 4-Chloroaniline	5.625	65	180490	44.567	ug/ml#	66
41) Hexachlorobutadiene	5.697	225	390074	48.367	ug/ml	99
42) p-Chloro-m-cresol	6.132	107	455050	56.560	ug/ml	90
43) 2-Methylnaphthalene	6.222	142	1101989	50.436	ug/ml	95
44) 1-Methylnaphthalene	6.312	115	355748	49.874	ug/ml	94
45) Hexachlorocyclopentadiene	6.390	237	448866	57.912	ug/ml	98
46) 2,4,6-Trichlorophenol	6.514	196	461815	54.022	ug/ml	99
47) 2,4,5-Trichlorophenol	6.542	196	501540	53.375	ug/ml	99
49) 2-Chloronaphthalene	6.682	162	1232869	48.247	ug/ml	93
50) 2-Nitroaniline	6.806	138	375805	64.681	ug/ml#	76
51) 1,4-Dinitrobenzene	6.940	168	176371	60.844	ug/ml	79
52) 1,3-Dinitrobenzene	7.015	168	197913	57.416	ug/ml#	1
53) Dimethyl phthalate	7.021	163	1441304	47.423	ug/ml#	97
54) Acenaphthylene	7.077	152	1857454	49.980	ug/ml	98
55) 2,6-Dinitrotoluene	7.055	165	311315	60.836	ug/ml#	75
56) 1,2-Dinitrobenzene	7.099	168	114969	57.322	ug/ml	96
66) 3-Nitroaniline	7.207	138	334091	65.269	ug/ml#	84
67) Acenaphthene	7.248	154	1075382	50.509	ug/ml	89
68) 2,4-Dinitrophenol	7.307	184	216833	65.280	ug/ml#	81
69) Dibenzofuran	7.419	168	1807087	49.044	ug/ml#	81
70) 2,4-Dinitrotoluene	7.437	165	444663	62.937	ug/ml#	75
71) 4-Nitrophenol	7.413	65	261902	64.521	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.512	232	460699	61.758	ug/ml	99
73) 2,3,4,6-Tetrachlorophenol	7.552	232	441598	60.168	ug/ml	98
74) Diethyl phthalate	7.702	149	1504708	51.958	ug/ml	98
75) Fluorene	7.745	166	1436151	49.717	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.767	204	730405	48.977	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.801	138	342396	60.275	ug/ml#	69
78)	4,6-Dinitro-o-cresol	7.829	198	287986	56.625	ug/ml#	56
79)	NDPA/DPA	7.891	169	1246099	49.971	ug/ml	93
80)	Azobenzene	7.919	77	1244414	53.600	ug/ml	98
82)	4-Bromophenyl phenyl e...	8.233	248	495260M3	52.189	ug/ml	
83)	Hexachlorobenzene	8.277	284	628621	52.365	ug/ml#	80
84)	Pentachlorophenol	8.472	266	435993	66.782	ug/ml	99
91)	Phenanthrene	8.653	178	2336584	49.387	ug/ml	99
92)	Anthracene	8.702	178	2406283	51.441	ug/ml	98
93)	Carbazole	8.876	167	2253274	51.023	ug/ml	97
94)	Di-n-butylphthalate	9.277	149	2732871	56.111	ug/ml#	98
95)	Fluoranthene	9.793	202	2867925	48.973	ug/ml#	92
96)	Benzidine	9.955	184	1878693	56.269	ug/ml#	94
97)	Pyrene	10.002	202	3038413	48.767	ug/ml	98
99)	Butyl benzyl phthalate	10.716	149	1326004	63.789	ug/ml#	82
107)	Benzo(a)anthracene	11.195	228	3166019	49.297	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.208	252	1342833	57.018	ug/ml#	96
109)	Chrysene	11.236	228	3040984	49.111	ug/ml	97
110)	Bis(2-ethylhexyl)phtha...	11.341	149	2080032	61.018	ug/ml#	89
111)	Di-n-octylphthalate	12.003	149	3584357	63.929	ug/ml#	72
112)	Benzo(b)fluoranthene	12.270	252	3497162	53.103	ug/ml#	93
113)	Benzo(k)fluoranthene	12.302	252	3427673M3	52.799	ug/ml	
114)	Benzo(a)pyrene	12.575	252	3281306M2	54.636	ug/ml	
116)	Indeno(1,2,3-cd)pyrene	13.570	276	3906250	56.698	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.595	278	3606363	53.295	ug/ml#	89
118)	Benzo(ghi)perylene	13.784	276	3474271	53.027	ug/ml#	86

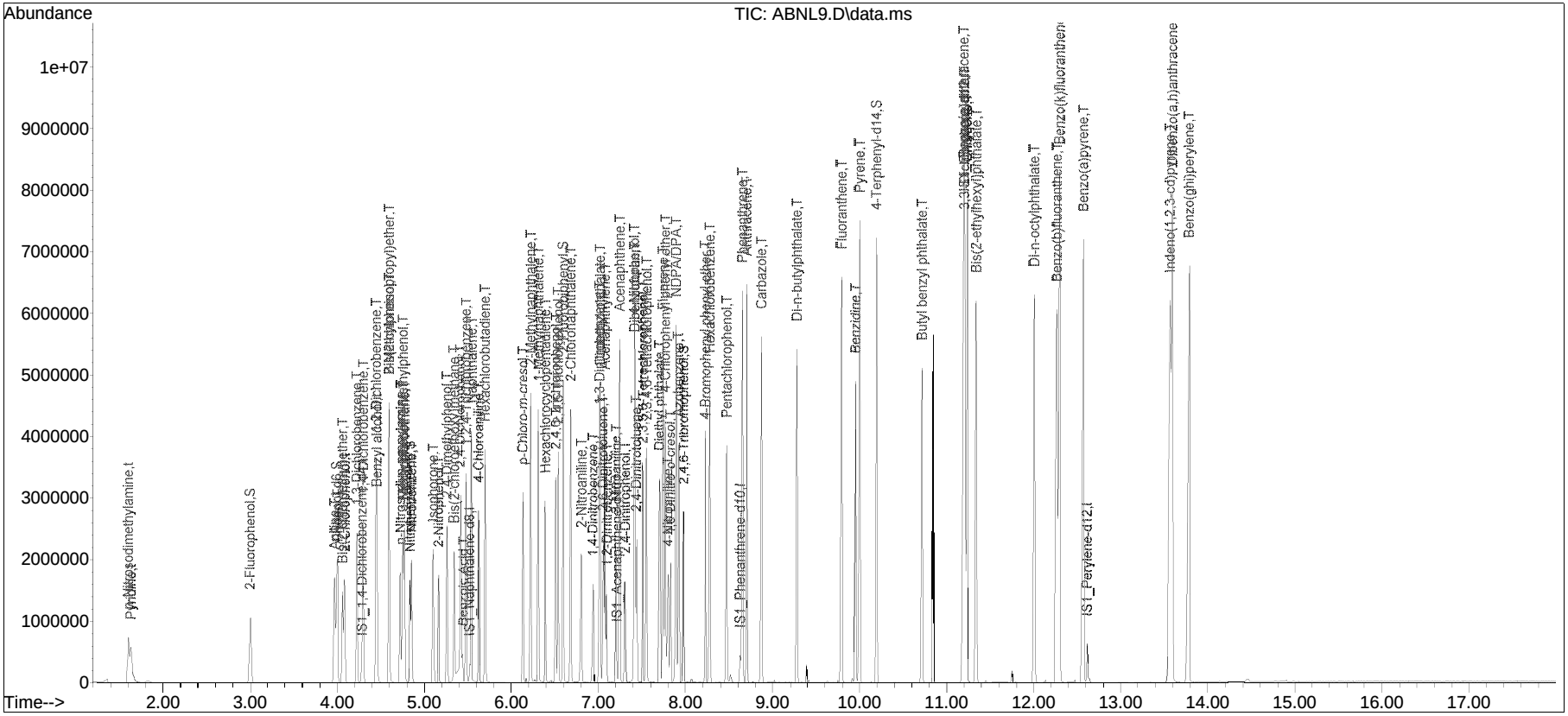
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

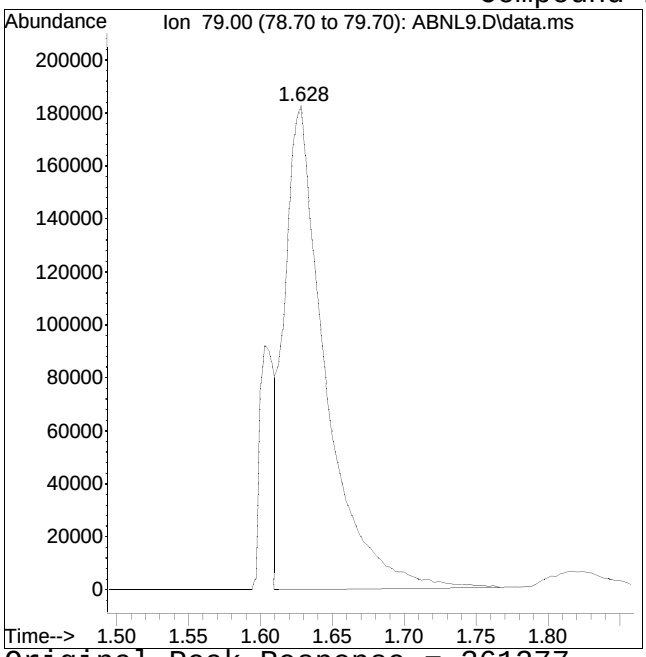
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



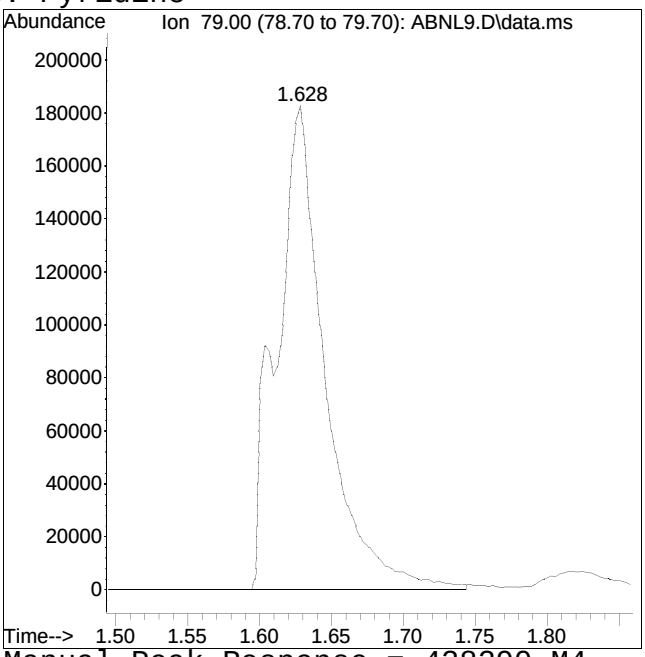
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL9.D
Date Inj'd : 11/5/2024 4:59 pm
Sample : IL2,32,,ABNL50 Lot# 11111
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #3: Pyridine



Original Peak Response = 361277



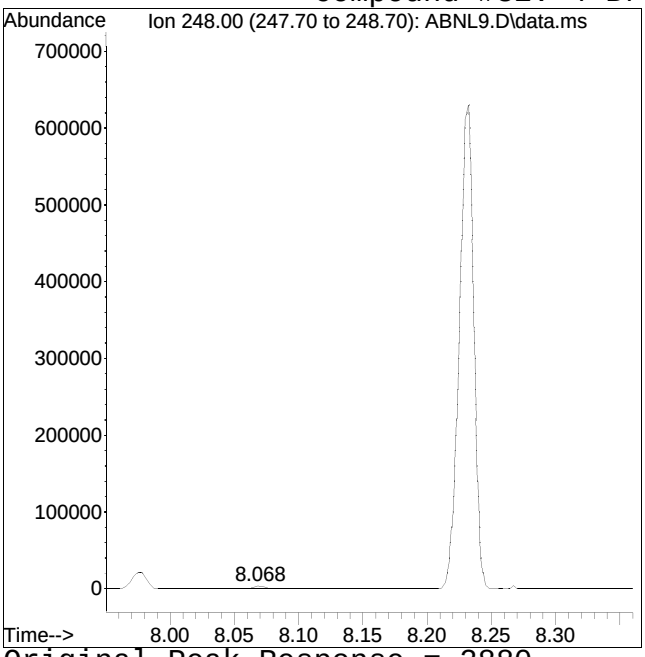
Manual Peak Response = 428290 M4

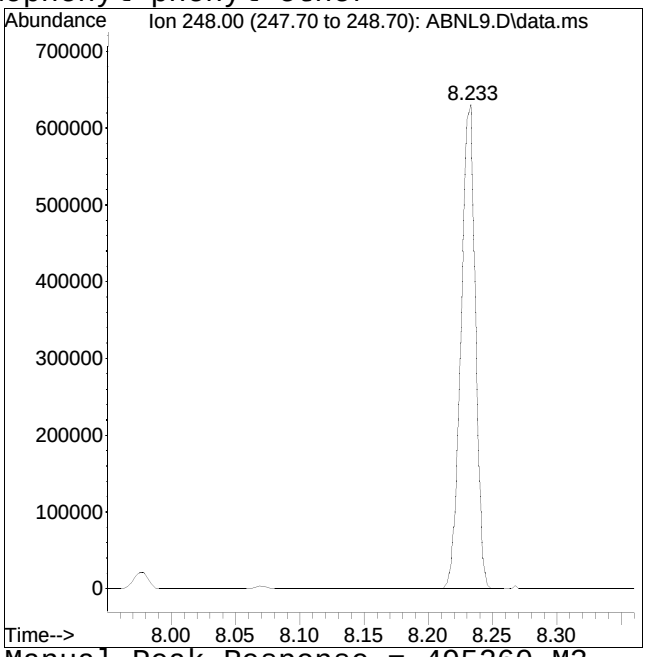
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL9.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 4:59 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 11111 Quant Date : 11/6/2024 8:36 am

Compound #82: 4-Bromophenyl phenyl ether





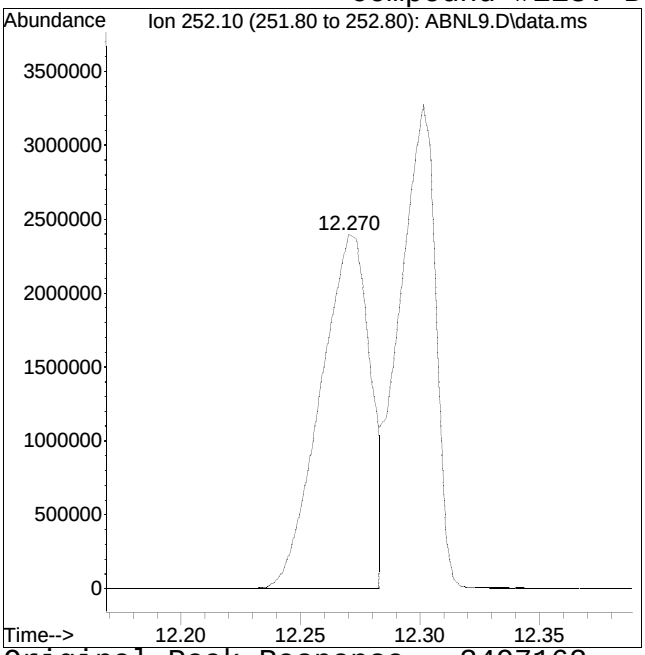
Original Peak Response = 2880 Manual Peak Response = 495260 M3

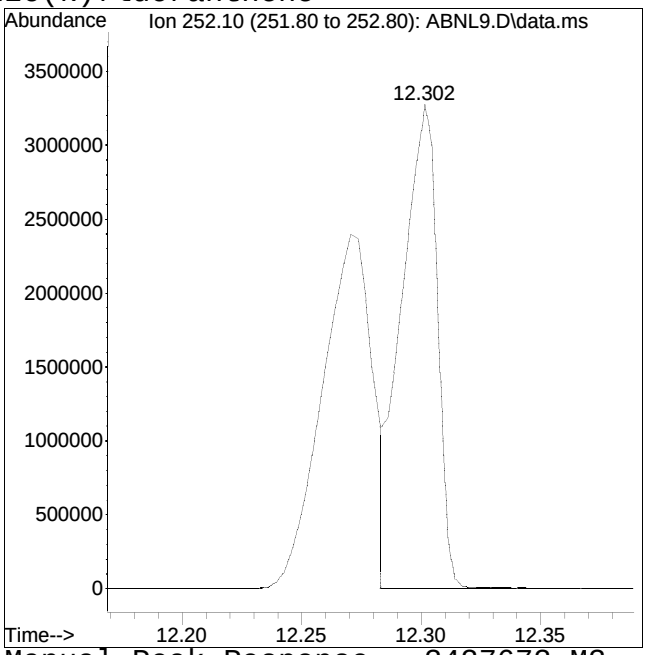
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL9.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 4:59 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 11111 Quant Date : 11/6/2024 8:36 am

Compound #113: Benzo(k)fluoranthene



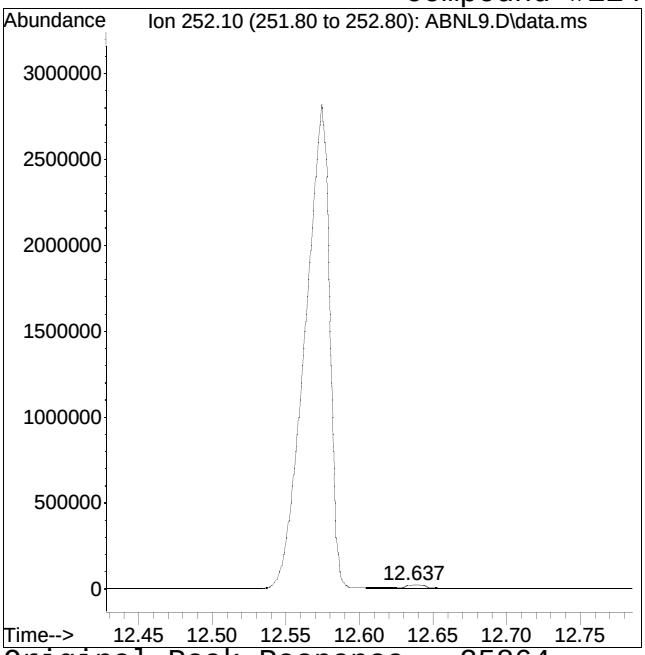


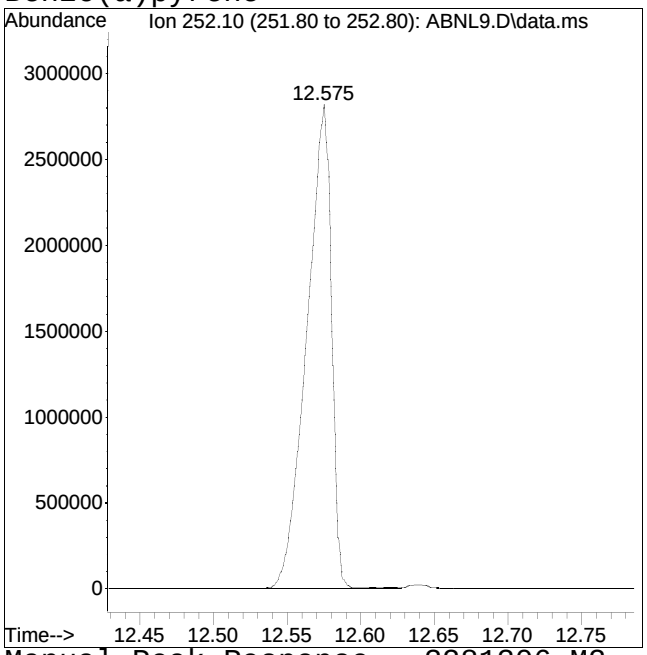
Original Peak Response = 3497162 Manual Peak Response = 3427673 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL9.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 4:59 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 11111 Quant Date : 11/6/2024 8:36 am

Compound #114: Benzo(a)pyrene





Original Peak Response = 25864 Manual Peak Response = 3281306 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.286	152	32882	4.000	ug/ml	0.00
Standard Area 1 = 28960			Recovery = 113.54%			
37) IS1_Naphthalene-d8	5.523	136	122219	4.000	ug/ml	0.00
Standard Area 1 = 107558			Recovery = 113.63%			
65) IS1_Acenaphthene-d10	7.213	164	80019	4.000	ug/ml	0.00
Standard Area 1 = 69553			Recovery = 115.05%			
90) IS1_Phenanthrene-d10	8.625	188	170526	4.000	ug/ml	0.00
Standard Area 1 = 149813			Recovery = 113.83%			
106) IS1_Chrysene-d12	11.198	240	195039	4.000	ug/ml	0.00
Standard Area 1 = 173036			Recovery = 112.72%			
115) IS1_Perylene-d12	12.612	264	222671	4.000	ug/ml	0.00
Standard Area 1 = 203359			Recovery = 109.50%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.999	112	212455	27.464	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1373.20%#			
7) Phenol-d6	3.990	99	268911	27.046	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1352.30%#			
19) Nitrobenzene-d5	4.833	82	254511	28.097	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2809.70%#			
48) 2-Fluorobiphenyl	6.595	172	702587	22.505	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2250.50%#			
81) 2,4,6-Tribromophenol	7.972	330	149763	28.710	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1435.50%#			
98) 4-Terphenyl-d14	10.194	244	1156113	25.134	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2513.40%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.603	74	130982	24.878	ug/ml#	80
3) Pyridine	1.631	79	210509	25.535	ug/ml#	60
5) Aniline	3.969	93	320735	24.903	ug/ml	97
6) 2-Chlorophenol	4.081	128	255159	27.271	ug/ml#	88
8) Phenol	4.003	94	287124	24.686	ug/ml	96
9) Bis(2-chloroethyl)ether	4.059	93	204030	24.768	ug/ml	98
10) 1,3-Dichlorobenzene	4.227	146	310564	22.554	ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	314288	23.406	ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	305963	23.725	ug/ml	94
13) Benzyl alcohol	4.454	79	204562	28.170	ug/ml	100
14) Bis(2-chloroisopropyl)...	4.593	45	355071	21.169	ug/ml#	60

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.593	108	218784	26.705	ug/ml	98
16) Hexachloroethane	4.774	117	117262	24.038	ug/ml#	50
17) n-Nitrosodi-n-propylamine	4.724	70	178039	26.002	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.752	108	239554	27.559	ug/ml	99
20) Nitrobenzene	4.851	77	257804	26.872	ug/ml	99
21) Isophorone	5.097	82	475439	26.867	ug/ml	95
22) 2-Nitrophenol	5.168	139	138413	34.121	ug/ml#	86
23) 2,4-Dimethylphenol	5.259	107	227762	27.726	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.342	93	287885	25.618	ug/ml#	95
25) 2,4-Dichlorophenol	5.411	162	268517	26.260	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.482	180	311284	23.084	ug/ml	96
38) Naphthalene	5.541	128	793205	24.199	ug/ml	99
39) Benzoic Acid	5.408	105	196632	27.424	ug/ml	94
40) 4-Chloroaniline	5.622	65	90913	21.228	ug/ml#	66
41) Hexachlorobutadiene	5.697	225	194721	22.832	ug/ml	99
42) p-Chloro-m-cresol	6.129	107	227472	26.736	ug/ml	90
43) 2-Methylnaphthalene	6.219	142	556861	24.101	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	176736	23.431	ug/ml	93
45) Hexachlorocyclopentadiene	6.390	237	222494	27.145	ug/ml	100
46) 2,4,6-Trichlorophenol	6.511	196	228866	25.317	ug/ml	97
47) 2,4,5-Trichlorophenol	6.539	196	248308	24.989	ug/ml	99
49) 2-Chloronaphthalene	6.682	162	619402	22.922	ug/ml	93
50) 2-Nitroaniline	6.800	138	185396	30.174	ug/ml#	77
51) 1,4-Dinitrobenzene	6.934	168	86479	28.212	ug/ml	81
52) 1,3-Dinitrobenzene	7.008	168	98273M3	26.960	ug/ml	
53) Dimethyl phthalate	7.011	163	727981	22.651	ug/ml#	97
54) Acenaphthylene	7.071	152	939390	23.903	ug/ml	99
55) 2,6-Dinitrotoluene	7.049	165	153890	28.438	ug/ml#	75
56) 1,2-Dinitrobenzene	7.089	168	55846	26.330	ug/ml#	85
66) 3-Nitroaniline	7.201	138	166040	31.088	ug/ml#	84
67) Acenaphthene	7.245	154	538516	24.240	ug/ml	88
68) 2,4-Dinitrophenol	7.297	184	103900	29.978	ug/ml#	82
69) Dibenzofuran	7.412	168	916582	23.840	ug/ml#	84
70) 2,4-Dinitrotoluene	7.431	165	216744	29.400	ug/ml#	77
71) 4-Nitrophenol	7.403	65	127663	30.141	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.506	232	227154	29.182	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.549	232	216190	28.230	ug/ml	98
74) Diethyl phthalate	7.698	149	744890	24.650	ug/ml	99
75) Fluorene	7.739	166	719758	23.879	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	367884	23.641	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) 4-Nitroaniline	7.789	138	168641	28.451	ug/ml#	77
78) 4,6-Dinitro-o-cresol	7.820	198	138975	26.395	ug/ml#	56
79) NDPA/DPA	7.885	169	622751	23.934	ug/ml	92
80) Azobenzene	7.916	77	627012	25.882	ug/ml	98
82) 4-Bromophenyl phenyl e...	8.227	248	242429	24.482	ug/ml#	81
83) Hexachlorobenzene	8.273	284	302652	24.162	ug/ml#	80
84) Pentachlorophenol	8.469	266	205928	30.229	ug/ml	98
91) Phenanthrene	8.649	178	1171950	24.257	ug/ml	99
92) Anthracene	8.699	178	1188072	24.871	ug/ml	98
93) Carbazole	8.873	167	1104845	24.499	ug/ml	98
94) Di-n-butylphthalate	9.274	149	1359271	27.329	ug/ml#	98
95) Fluoranthene	9.787	202	1432553	23.955	ug/ml#	92
96) Benzidine	9.952	184	909574	26.677	ug/ml#	94
97) Pyrene	9.995	202	1520824	23.903	ug/ml	99
99) Butyl benzyl phthalate	10.710	149	633434	29.840	ug/ml#	82
107) Benzo(a)anthracene	11.189	228	1557344	24.199	ug/ml	98
108) 3,3'-Dichlorobenzidine	11.201	252	649490	27.522	ug/ml#	96
109) Chrysene	11.226	228	1498919	24.158	ug/ml	98
110) Bis(2-ethylhexyl)phtha...	11.338	149	1001664	29.324	ug/ml#	89
111) Di-n-octylphthalate	11.997	149	1719798	30.611	ug/ml#	72
112) Benzo(b)fluoranthene	12.261	252	1643646	24.907	ug/ml#	93
113) Benzo(k)fluoranthene	12.289	252	1666923	25.624	ug/ml#	93
114) Benzo(a)pyrene	12.563	252	1571883M2	26.120	ug/ml	
116) Indeno(1,2,3-cd)pyrene	13.557	276	1785537	26.214	ug/mL#	88
117) Dibenzo(a,h)anthracene	13.582	278	1693306	25.311	ug/ml#	89
118) Benzo(ghi)perylene	13.769	276	1629094	25.150	ug/ml#	86

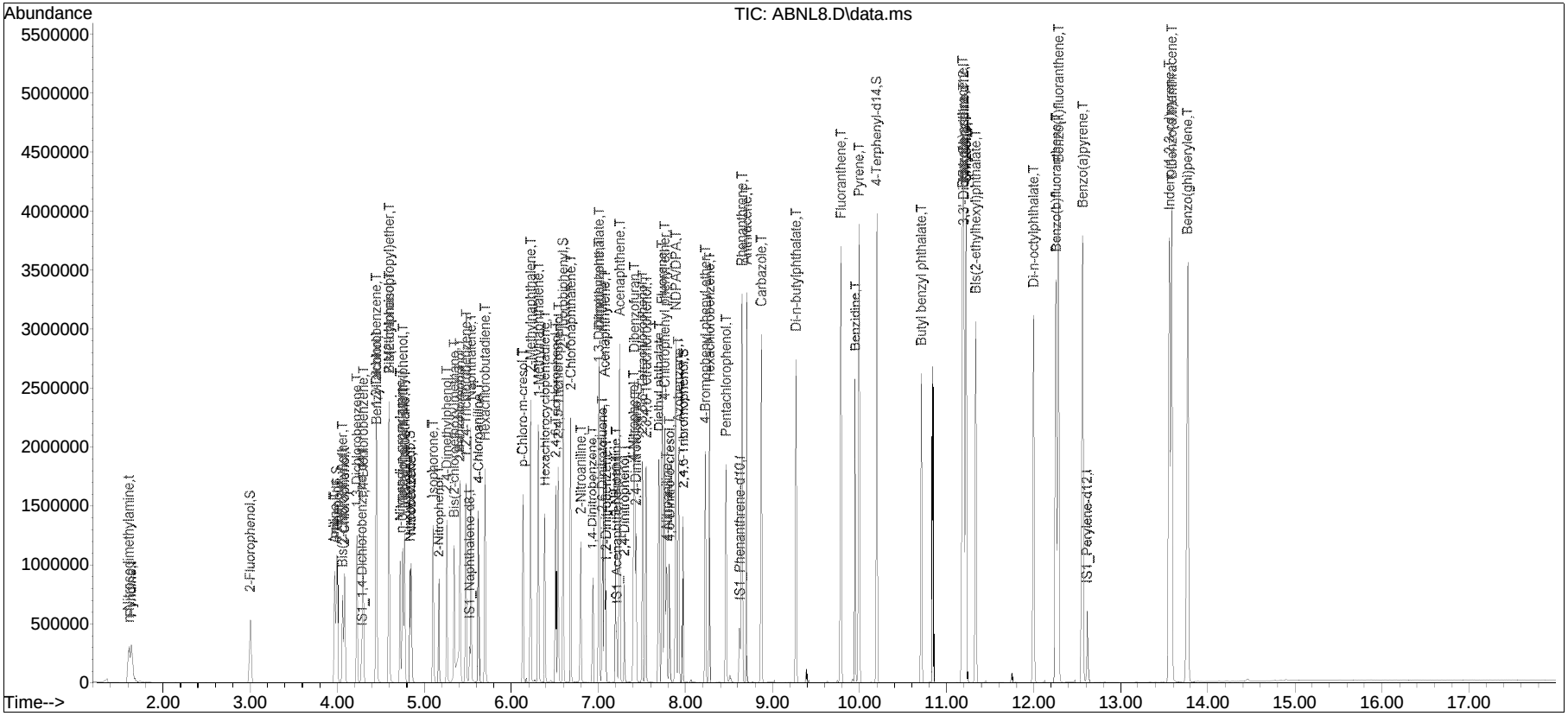
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

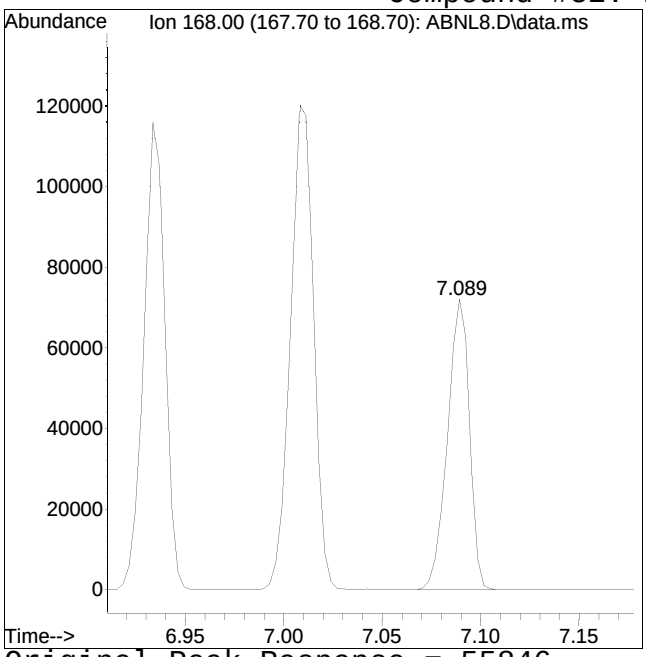
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



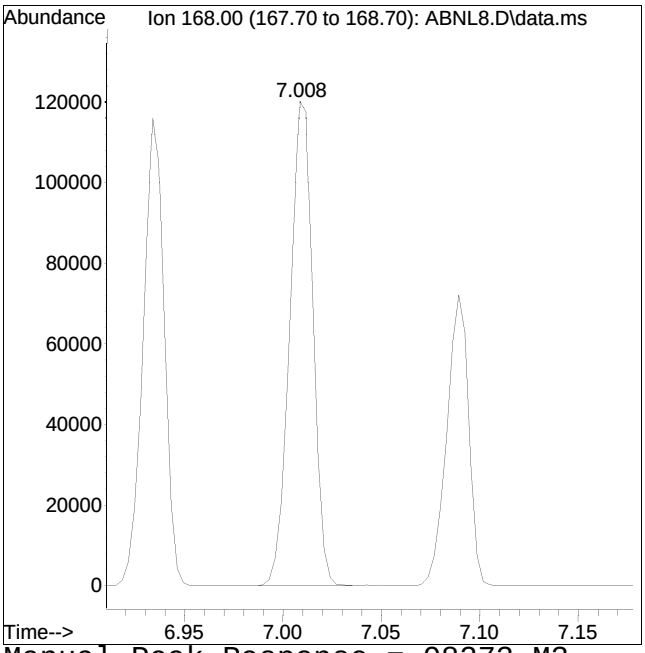
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL8.D
Date Inj'd : 11/5/2024 5:23 pm
Sample : IL3,32,,ABNL25 Lot# 11112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #52: 1,3-Dinitrobenzene



Original Peak Response = 55846



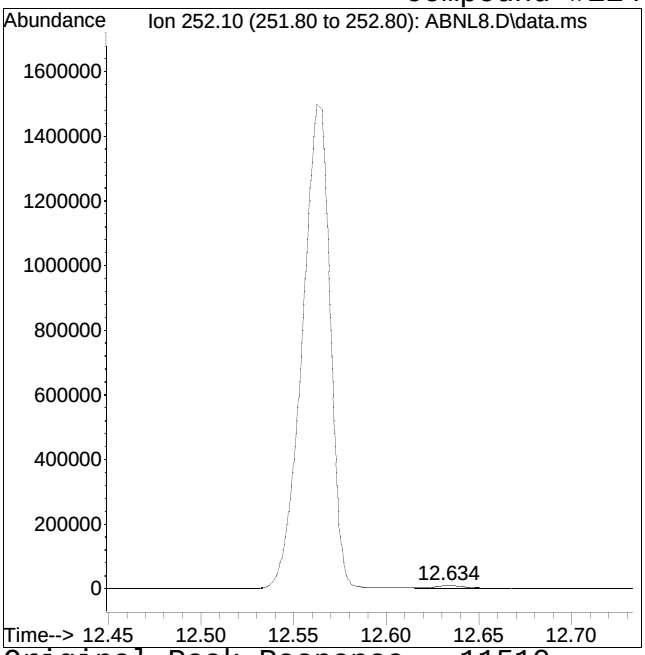
Manual Peak Response = 98273 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

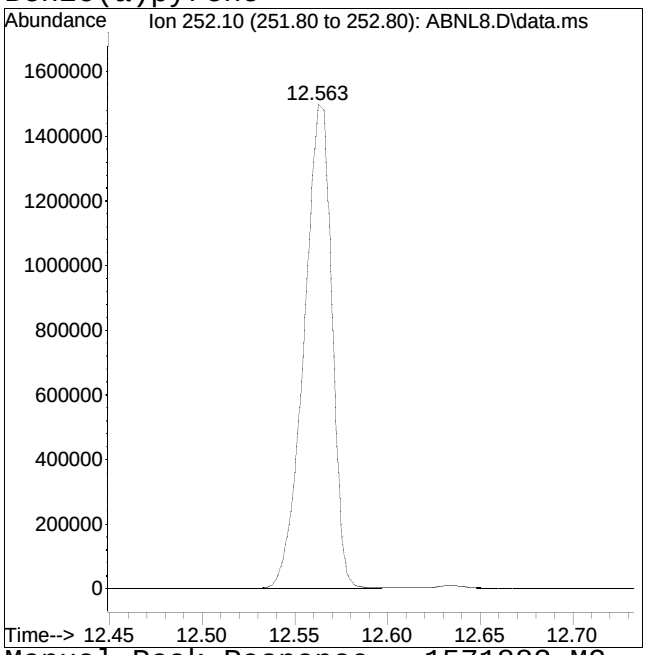
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL8.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 5:23 pm Instrument : Dakota
Sample : IL3,32,,ABNL25 Lot# 11112 Quant Date : 11/6/2024 8:36 am

Compound #114: Benzo(a)pyrene



Original Peak Response = 11510



Manual Peak Response = 1571883 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.283	152	30017	4.000	ug/ml	# 0.00
Standard Area 1 = 28960			Recovery = 103.65%			
37) IS1_Naphthalene-d8	5.520	136	110693	4.000	ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 102.91%			
65) IS1_Acenaphthene-d10	7.210	164	71339	4.000	ug/ml	0.00
Standard Area 1 = 69553			Recovery = 102.57%			
90) IS1_Phenanthrene-d10	8.625	188	152962	4.000	ug/ml	0.00
Standard Area 1 = 149813			Recovery = 102.10%			
106) IS1_Chrysene-d12	11.192	240	173819	4.000	ug/ml	0.00
Standard Area 1 = 173036			Recovery = 100.45%			
115) IS1_Perylene-d12	12.609	264	202944	4.000	ug/ml	0.00
Standard Area 1 = 203359			Recovery = 99.80%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.999	112	75910	10.750	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 537.50%#			
7) Phenol-d6	3.987	99	95741	10.548	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 527.40%#			
19) Nitrobenzene-d5	4.833	82	89064	10.771	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1077.10%#			
48) 2-Fluorobiphenyl	6.592	172	249603	8.828	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 882.80%#			
81) 2,4,6-Tribromophenol	7.969	330	49268	10.594	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 529.70%#			
98) 4-Terphenyl-d14	10.191	244	402353	9.752	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 975.20%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.597	74	46870	9.752	ug/ml#	80
3) Pyridine	1.628	79	77978	10.362	ug/ml#	59
5) Aniline	3.966	93	113575	9.660	ug/ml	96
6) 2-Chlorophenol	4.077	128	91502	10.713	ug/ml#	88
8) Phenol	4.000	94	103024	9.703	ug/ml	95
9) Bis(2-chloroethyl)ether	4.056	93	74057	9.848	ug/ml	96
10) 1,3-Dichlorobenzene	4.224	146	112322	8.936	ug/ml	94
11) 1,4-Dichlorobenzene	4.298	146	113494	9.259	ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	108571	9.223	ug/ml	93
13) Benzyl alcohol	4.450	79	69764	10.524	ug/ml	100
14) Bis(2-chloroisopropyl)...	4.593	45	128127	8.368	ug/ml#	60

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	78768	10.532	ug/ml	100
16) Hexachloroethane	4.771	117	41863	9.401	ug/ml#	51
17) n-Nitrosodi-n-propylamine	4.721	70	62227	9.956	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.749	108	83179	10.483	ug/ml	98
20) Nitrobenzene	4.848	77	90914	10.381	ug/ml	97
21) Isophorone	5.094	82	163635	10.130	ug/ml	94
22) 2-Nitrophenol	5.165	139	46777	12.632	ug/ml#	87
23) 2,4-Dimethylphenol	5.259	107	80631	10.752	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.339	93	101509	9.895	ug/ml#	97
25) 2,4-Dichlorophenol	5.408	162	93402	10.006	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	110668	8.990	ug/ml	96
38) Naphthalene	5.538	128	279417	9.412	ug/ml	99
39) Benzoic Acid	5.367	105	62503	10.680	ug/ml	91
40) 4-Chloroaniline	5.619	65	31494	8.120	ug/ml#	65
41) Hexachlorobutadiene	5.697	225	68910	8.921	ug/ml	100
42) p-Chloro-m-cresol	6.126	107	76197	9.889	ug/ml	89
43) 2-Methylnaphthalene	6.216	142	195484	9.341	ug/ml	95
44) 1-Methylnaphthalene	6.309	115	62192	9.104	ug/ml	93
45) Hexachlorocyclopentadiene	6.390	237	75925	10.228	ug/ml	99
46) 2,4,6-Trichlorophenol	6.508	196	78117	9.541	ug/ml	99
47) 2,4,5-Trichlorophenol	6.539	196	86553	9.617	ug/ml	97
49) 2-Chloronaphthalene	6.679	162	214208	8.752	ug/ml	93
50) 2-Nitroaniline	6.797	138	61633	11.076	ug/ml#	78
51) 1,4-Dinitrobenzene	6.931	168	28021	10.093	ug/ml	80
52) 1,3-Dinitrobenzene	7.005	168	32467	9.834	ug/ml#	1
53) Dimethyl phthalate	7.005	163	252504	8.675	ug/ml#	98
54) Acenaphthylene	7.071	152	326834	9.182	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	51689	10.546	ug/ml#	75
56) 1,2-Dinitrobenzene	7.083	168	19215	10.003	ug/ml#	1
66) 3-Nitroaniline	7.195	138	57722	12.122	ug/ml#	82
67) Acenaphthene	7.242	154	187097	9.447	ug/ml	88
68) 2,4-Dinitrophenol	7.294	184	32967	10.669	ug/ml#	82
69) Dibenzofuran	7.409	168	323476	9.437	ug/ml#	87
70) 2,4-Dinitrotoluene	7.425	165	73085	11.120	ug/ml#	76
71) 4-Nitrophenol	7.397	65	42265	11.193	ug/ml#	27
72) 2,3,5,6-Tetrachlorophenol	7.506	232	76542	11.030	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.546	232	75038	10.990	ug/ml	99
74) Diethyl phthalate	7.692	149	257720	9.566	ug/ml	98
75) Fluorene	7.736	166	249496	9.285	ug/ml	91
76) 4-Chlorophenyl phenyl ...	7.764	204	127708	9.205	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) 4-Nitroaniline	7.776	138	56545	10.700	ug/ml#	78
78) 4,6-Dinitro-o-cresol	7.810	198	44733	9.776	ug/ml#	57
79) NDPA/DPA	7.882	169	214404	9.243	ug/ml	92
80) Azobenzene	7.913	77	215745	9.989	ug/ml	98
82) 4-Bromophenyl phenyl e...	8.227	248	84538	9.576	ug/ml#	80
83) Hexachlorobenzene	8.270	284	103252	9.246	ug/ml#	79
84) Pentachlorophenol	8.466	266	67607	11.132	ug/ml	99
91) Phenanthrene	8.646	178	409956	9.459	ug/ml	99
92) Anthracene	8.693	178	407125	9.501	ug/ml	98
93) Carbazole	8.867	167	382642	9.459	ug/ml	98
94) Di-n-butylphthalate	9.271	149	460432	10.320	ug/ml#	98
95) Fluoranthene	9.784	202	502795	9.373	ug/ml#	92
96) Benzidine	9.946	184	312907	10.231	ug/ml#	94
97) Pyrene	9.992	202	534393	9.364	ug/ml	99
99) Butyl benzyl phthalate	10.707	149	207056	10.874	ug/ml#	82
107) Benzo(a)anthracene	11.186	228	548250	9.559	ug/ml	99
108) 3,3'-Dichlorobenzidine	11.198	252	225540	10.724	ug/ml#	97
109) Chrysene	11.220	228	521142	9.424	ug/ml	98
110) Bis(2-ethylhexyl)phtha...	11.338	149	336797	11.063	ug/ml#	89
111) Di-n-octylphthalate	11.994	149	571767	11.419	ug/ml#	72
112) Benzo(b)fluoranthene	12.255	252	579285	9.850	ug/ml#	93
113) Benzo(k)fluoranthene	12.283	252	591670	10.206	ug/ml#	93
114) Benzo(a)pyrene	12.556	252	548576	10.228	ug/ml#	93
116) Indeno(1,2,3-cd)pyrene	13.548	276	610183	9.829	ug/mL#	89
117) Dibenzo(a,h)anthracene	13.573	278	601923	9.872	ug/ml#	89
118) Benzo(ghi)perylene	13.759	276	576728	9.769	ug/ml#	86

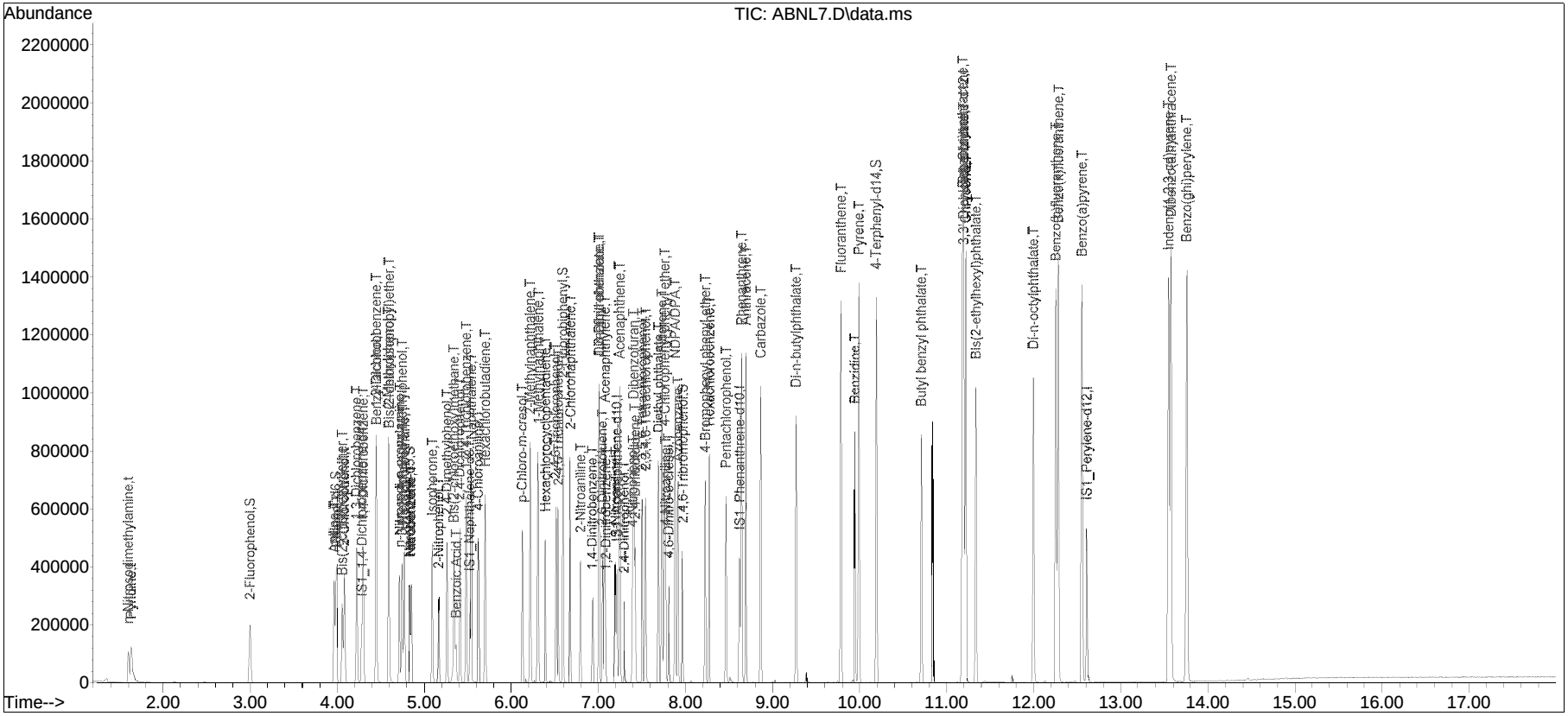
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ABNL7.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 5:46 pm	Instrument	: Dakota
Sample	: IL4,32,,ABNL10 Lot# 11113	Quant Date	: 11/6/2024 8:36 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	28960	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 100.00%		
37) IS1_Naphthalene-d8	5.520	136	107558	4.000 ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 100.00%		
65) IS1_Acenaphthene-d10	7.210	164	69553	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 100.00%		
90) IS1_Phenanthrene-d10	8.625	188	149813	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 100.00%		
106) IS1_Chrysene-d12	11.192	240	173036	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 100.00%		
115) IS1_Perylene-d12	12.609	264	203359	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 100.00%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	36379	5.340 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 267.00%#		
7) Phenol-d6	3.984	99	46206	5.277 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 263.85%#		
19) Nitrobenzene-d5	4.833	82	42587	5.338 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 533.80%#		
48) 2-Fluorobiphenyl	6.592	172	122549	4.460 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 446.00%#		
81) 2,4,6-Tribromophenol	7.969	330	23686	5.224 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 261.20%#		
98) 4-Terphenyl-d14	10.191	244	199652	4.941 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 494.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.600	74	22399	4.830 ug/ml	82
3) Pyridine	1.634	79	36774	5.065 ug/ml#	62
5) Aniline	3.969	93	55552	4.897 ug/ml	96
6) 2-Chlorophenol	4.077	128	43820	5.318 ug/ml#	88
8) Phenol	3.997	94	50251	4.906 ug/ml	96
9) Bis(2-chloroethyl)ether	4.059	93	35511	4.895 ug/ml	100
10) 1,3-Dichlorobenzene	4.223	146	54655	4.507 ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	55620	4.703 ug/ml	95
12) 1,2-Dichlorobenzene	4.447	146	53065	4.672 ug/ml	93
13) Benzyl alcohol	4.450	79	33022	5.163 ug/ml	98
14) Bis(2-chloroisopropyl)...	4.593	45	61759	4.181 ug/ml#	61

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	36689	5.085	ug/ml	99
16) Hexachloroethane	4.774	117	19654	4.575	ug/ml#	49
17) n-Nitrosodi-n-propylamine	4.721	70	29429	4.880	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.749	108	40096	5.238	ug/ml	98
20) Nitrobenzene	4.848	77	43553	5.155	ug/ml	95
21) Isophorone	5.094	82	78642	5.046	ug/ml	95
22) 2-Nitrophenol	5.165	139	21659	6.062	ug/ml#	85
23) 2,4-Dimethylphenol	5.255	107	38443	5.313	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.339	93	48954	4.946	ug/ml	97
25) 2,4-Dichlorophenol	5.408	162	45088	5.007	ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.479	180	53442	4.500	ug/ml	96
38) Naphthalene	5.538	128	137444	4.765	ug/ml	99
39) Benzoic Acid	5.346	105	27655	5.748	ug/ml	91
40) 4-Chloroaniline	5.622	65	15918	4.223	ug/ml#	74
41) Hexachlorobutadiene	5.697	225	33657	4.484	ug/ml	99
42) p-Chloro-m-cresol	6.126	107	37630	5.026	ug/ml	90
43) 2-Methylnaphthalene	6.216	142	94136	4.630	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	31140	4.691	ug/ml	96
45) Hexachlorocyclopentadiene	6.390	237	36194	5.018	ug/ml	99
46) 2,4,6-Trichlorophenol	6.508	196	37386	4.699	ug/ml	96
47) 2,4,5-Trichlorophenol	6.539	196	40448	4.625	ug/ml	99
49) 2-Chloronaphthalene	6.679	162	107403	4.516	ug/ml#	91
50) 2-Nitroaniline	6.797	138	29098	5.381	ug/ml#	76
51) 1,4-Dinitrobenzene	6.931	168	12684	4.702	ug/ml	83
52) 1,3-Dinitrobenzene	7.002	168	15384	4.796	ug/ml#	1
53) Dimethyl phthalate	7.002	163	124096	4.387	ug/ml#	98
54) Acenaphthylene	7.067	152	159055	4.599	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	25000	5.250	ug/ml#	75
56) 1,2-Dinitrobenzene	7.080	168	9417	5.045	ug/ml#	1
66) 3-Nitroaniline	7.192	138	26990	5.814	ug/ml#	85
67) Acenaphthene	7.241	154	92335	4.782	ug/ml	89
68) 2,4-Dinitrophenol	7.291	184	14980	4.972	ug/ml#	84
69) Dibenzofuran	7.409	168	158615	4.746	ug/ml#	87
70) 2,4-Dinitrotoluene	7.425	165	34950	5.454	ug/ml	86
71) 4-Nitrophenol	7.397	65	20265	5.504	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.503	232	36982	5.466	ug/ml	97
73) 2,3,4,6-Tetrachlorophenol	7.546	232	35881	5.390	ug/ml	98
74) Diethyl phthalate	7.689	149	124775	4.750	ug/ml	98
75) Fluorene	7.736	166	123482	4.713	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	62734	4.638	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) 4-Nitroaniline	7.773	138	27164	5.272	ug/ml#	79
78) 4,6-Dinitro-o-cresol	7.807	198	21012	4.910	ug/ml#	57
79) NDPA/DPA	7.879	169	106063	4.690	ug/ml	93
80) Azobenzene	7.910	77	105738	5.022	ug/ml	98
82) 4-Bromophenyl phenyl e...	8.227	248	41201	4.787	ug/ml#	80
83) Hexachlorobenzene	8.267	284	50912	4.676	ug/ml#	80
84) Pentachlorophenol	8.463	266	31065	5.246	ug/ml	97
91) Phenanthrene	8.646	178	203180	4.787	ug/ml	100
92) Anthracene	8.693	178	202631	4.828	ug/ml	99
93) Carbazole	8.867	167	191087	4.823	ug/ml	99
94) Di-n-butylphthalate	9.271	149	221941	5.079	ug/ml#	98
95) Fluoranthene	9.784	202	247376	4.709	ug/ml#	92
96) Benzidine	9.945	184	150013	5.008	ug/ml#	94
97) Pyrene	9.989	202	267661	4.788	ug/ml	99
99) Butyl benzyl phthalate	10.707	149	97439	5.225	ug/ml#	82
107) Benzo(a)anthracene	11.183	228	270494	4.738	ug/ml	99
108) 3,3'-Dichlorobenzidine	11.195	252	108876	5.200	ug/ml#	96
109) Chrysene	11.217	228	264748	4.809	ug/ml	99
110) Bis(2-ethylhexyl)phtha...	11.335	149	158349	5.225	ug/ml#	89
111) Di-n-octylphthalate	11.994	149	263131	5.279	ug/ml#	71
112) Benzo(b)fluoranthene	12.252	252	283903	4.849	ug/ml#	94
113) Benzo(k)fluoranthene	12.280	252	293103	5.079	ug/ml#	92
114) Benzo(a)pyrene	12.553	252	266408	4.990	ug/ml#	93
116) Indeno(1,2,3-cd)pyrene	13.545	276	297219	4.778	ug/mL#	88
117) Dibenzo(a,h)anthracene	13.570	278	297184	4.864	ug/ml#	89
118) Benzo(ghi)perylene	13.753	276	284158	4.803	ug/ml#	86

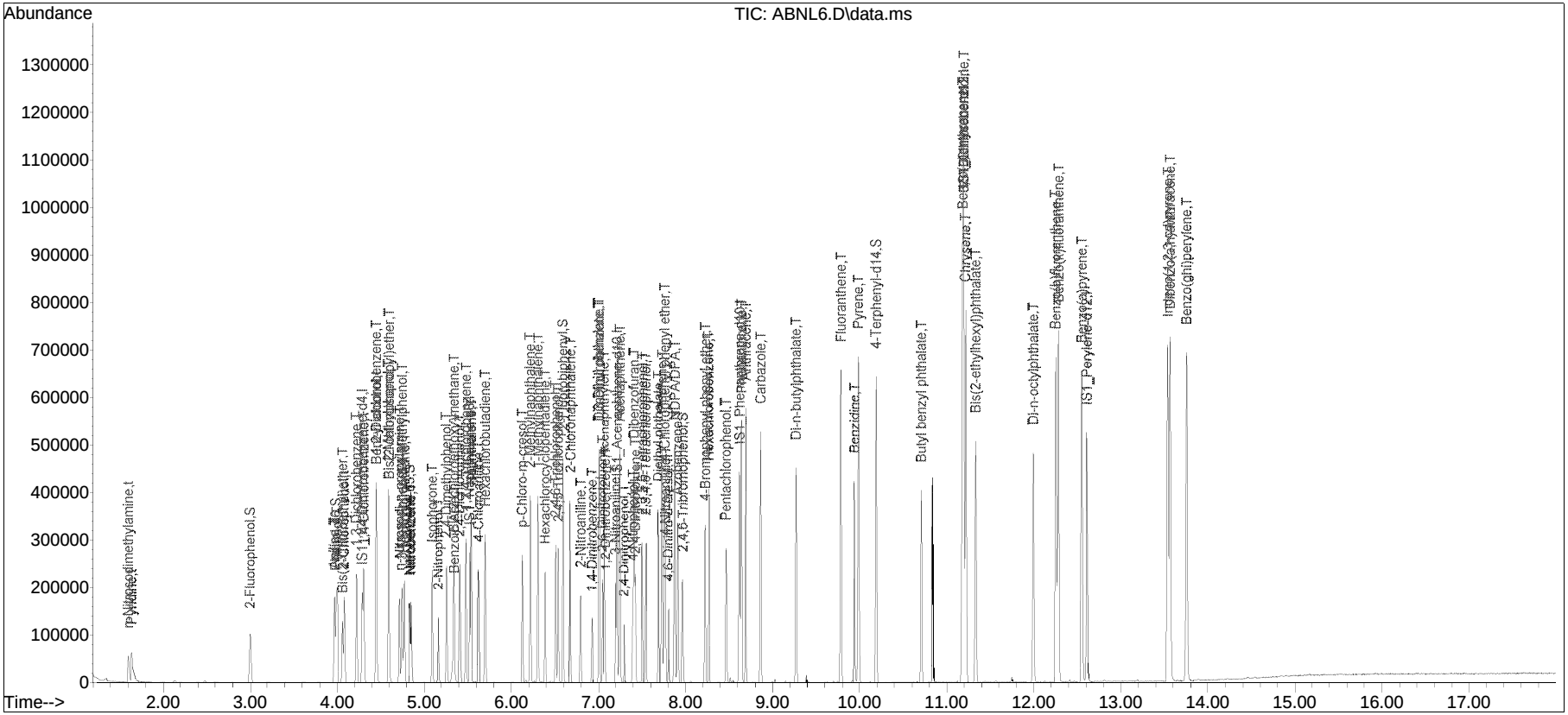
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ABNL6.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 6:09 pm	Instrument	: Dakota
Sample	: IL5,32,,ABNL5 Lot# 11114	Quant Date	: 11/6/2024 8:36 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	29578	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 102.13%		
37) IS1_Naphthalene-d8	5.520	136	108514	4.000 ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 100.89%		
65) IS1_Acenaphthene-d10	7.210	164	69464	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 99.87%		
90) IS1_Phenanthrene-d10	8.622	188	149902	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 100.06%		
106) IS1_Chrysene-d12	11.192	240	171800	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 99.29%		
115) IS1_Perylene-d12	12.609	264	200787	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 98.74%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	16767	2.410 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 120.50%#		
7) Phenol-d6	3.984	99	20488	2.291 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 114.55%#		
19) Nitrobenzene-d5	4.833	82	19806	2.431 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 243.10%#		
48) 2-Fluorobiphenyl	6.592	172	57800	2.085 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 208.50%#		
81) 2,4,6-Tribromophenol	7.969	330	10800	2.385 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 119.25%#		
98) 4-Terphenyl-d14	10.191	244	94387	2.334 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 233.40%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.607	74	10936	2.309 ug/ml#	79
3) Pyridine	1.647	79	17761	2.395 ug/ml#	57
5) Aniline	3.969	93	26004	2.245 ug/ml	97
6) 2-Chlorophenol	4.081	128	20780	2.469 ug/ml#	87
8) Phenol	3.997	94	23244	2.222 ug/ml	95
9) Bis(2-chloroethyl)ether	4.059	93	17155	2.315 ug/ml	95
10) 1,3-Dichlorobenzene	4.224	146	25363	2.048 ug/ml	93
11) 1,4-Dichlorobenzene	4.298	146	26480	2.192 ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	25558	2.203 ug/ml	93
13) Benzyl alcohol	4.450	79	15128	2.316 ug/ml	97
14) Bis(2-chloroisopropyl)...	4.593	45	29769	1.973 ug/ml#	63

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	17543	2.380	ug/ml	99
16) Hexachloroethane	4.771	117	9381	2.138	ug/ml#	49
17) n-Nitrosodi-n-propylamine	4.721	70	13382	2.173	ug/ml#	89
18) 3-Methylphenol/4-Methy...	4.749	108	18226	2.331	ug/ml	94
20) Nitrobenzene	4.851	77	19986	2.316	ug/ml	97
21) Isophorone	5.097	82	35708	2.243	ug/ml	94
22) 2-Nitrophenol	5.165	139	9948	2.726	ug/ml#	87
23) 2,4-Dimethylphenol	5.255	107	17802	2.409	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.339	93	22852	2.261	ug/ml#	96
25) 2,4-Dichlorophenol	5.408	162	20663	2.247	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	24934	2.056	ug/ml	97
38) Naphthalene	5.538	128	65418	2.248	ug/ml	99
39) Benzoic Acid	5.330	105	11562	3.334	ug/ml	92
40) 4-Chloroaniline	5.622	65	7308	1.922	ug/ml#	69
41) Hexachlorobutadiene	5.697	225	15656	2.068	ug/ml	98
42) p-Chloro-m-cresol	6.126	107	16669	2.207	ug/ml	89
43) 2-Methylnaphthalene	6.216	142	44702	2.179	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	14070	2.101	ug/ml	91
45) Hexachlorocyclopentadiene	6.390	237	16271	2.236	ug/ml	98
46) 2,4,6-Trichlorophenol	6.508	196	16943	2.111	ug/ml	97
47) 2,4,5-Trichlorophenol	6.536	196	18833	2.135	ug/ml	100
49) 2-Chloronaphthalene	6.676	162	49375	2.058	ug/ml#	93
50) 2-Nitroaniline	6.794	138	12454	2.283	ug/ml#	80
51) 1,4-Dinitrobenzene	6.931	168	5829M3	2.142	ug/ml	
52) 1,3-Dinitrobenzene	7.002	168	6632	2.049	ug/ml#	1
53) Dimethyl phthalate	7.002	163	58737	2.058	ug/ml#	98
54) Acenaphthylene	7.067	152	74072	2.123	ug/ml	99
55) 2,6-Dinitrotoluene	7.040	165	11316	2.355	ug/ml#	73
56) 1,2-Dinitrobenzene	7.080	168	4222	2.242	ug/ml#	1
66) 3-Nitroaniline	7.192	138	12311	2.655	ug/ml	87
67) Acenaphthene	7.238	154	43594	2.260	ug/ml	90
68) 2,4-Dinitrophenol	7.294	184	6486	2.156	ug/ml#	81
69) Dibenzofuran	7.409	168	75940	2.275	ug/ml	89
70) 2,4-Dinitrotoluene	7.422	165	15676	2.449	ug/ml	89
71) 4-Nitrophenol	7.394	65	9042	2.459	ug/ml#	30
72) 2,3,5,6-Tetrachlorophenol	7.503	232	16922	2.504	ug/ml	97
73) 2,3,4,6-Tetrachlorophenol	7.543	232	16643	2.503	ug/ml	97
74) Diethyl phthalate	7.689	149	59292	2.260	ug/ml	97
75) Fluorene	7.736	166	56914	2.175	ug/ml	91
76) 4-Chlorophenyl phenyl ...	7.764	204	29670	2.196	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.770	138	11929	2.318	ug/ml#	80
78)	4,6-Dinitro-o-cresol	7.807	198	9125	2.353	ug/ml#	58
79)	NDPA/DPA	7.879	169	49243	2.180	ug/ml	93
80)	Azobenzene	7.910	77	48438	2.303	ug/ml	99
82)	4-Bromophenyl phenyl e...	8.224	248	19203	2.234	ug/ml#	78
83)	Hexachlorobenzene	8.267	284	24775	2.278	ug/ml#	79
84)	Pentachlorophenol	8.463	266	13677	2.313	ug/ml	99
91)	Phenanthrene	8.643	178	95445	2.247	ug/ml	100
92)	Anthracene	8.693	178	95270	2.269	ug/ml	99
93)	Carbazole	8.867	167	89548	2.259	ug/ml	98
94)	Di-n-butylphthalate	9.271	149	99712	2.281	ug/ml#	98
95)	Fluoranthene	9.781	202	117123	2.228	ug/ml#	91
96)	Benzidine	9.946	184	66293	2.212	ug/ml#	94
97)	Pyrene	9.989	202	126787	2.267	ug/ml	99
99)	Butyl benzyl phthalate	10.707	149	42406	2.272	ug/ml#	83
107)	Benzo(a)anthracene	11.183	228	124996	2.205	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.192	252	48853	2.350	ug/ml#	97
109)	Chrysene	11.217	228	124749	2.283	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.335	149	67600	2.247	ug/ml#	89
111)	Di-n-octylphthalate	11.994	149	110289	2.229	ug/ml#	71
112)	Benzo(b)fluoranthene	12.252	252	137623	2.368	ug/ml#	93
113)	Benzo(k)fluoranthene	12.277	252	129836	2.266	ug/ml#	94
114)	Benzo(a)pyrene	12.553	252	121012	2.283	ug/ml#	92
116)	Indeno(1,2,3-cd)pyrene	13.542	276	132618	2.159	ug/mL#	88
117)	Dibenzo(a,h)anthracene	13.567	278	135000	2.238	ug/ml#	89
118)	Benzo(ghi)perylene	13.753	276	128448	2.199	ug/ml#	85

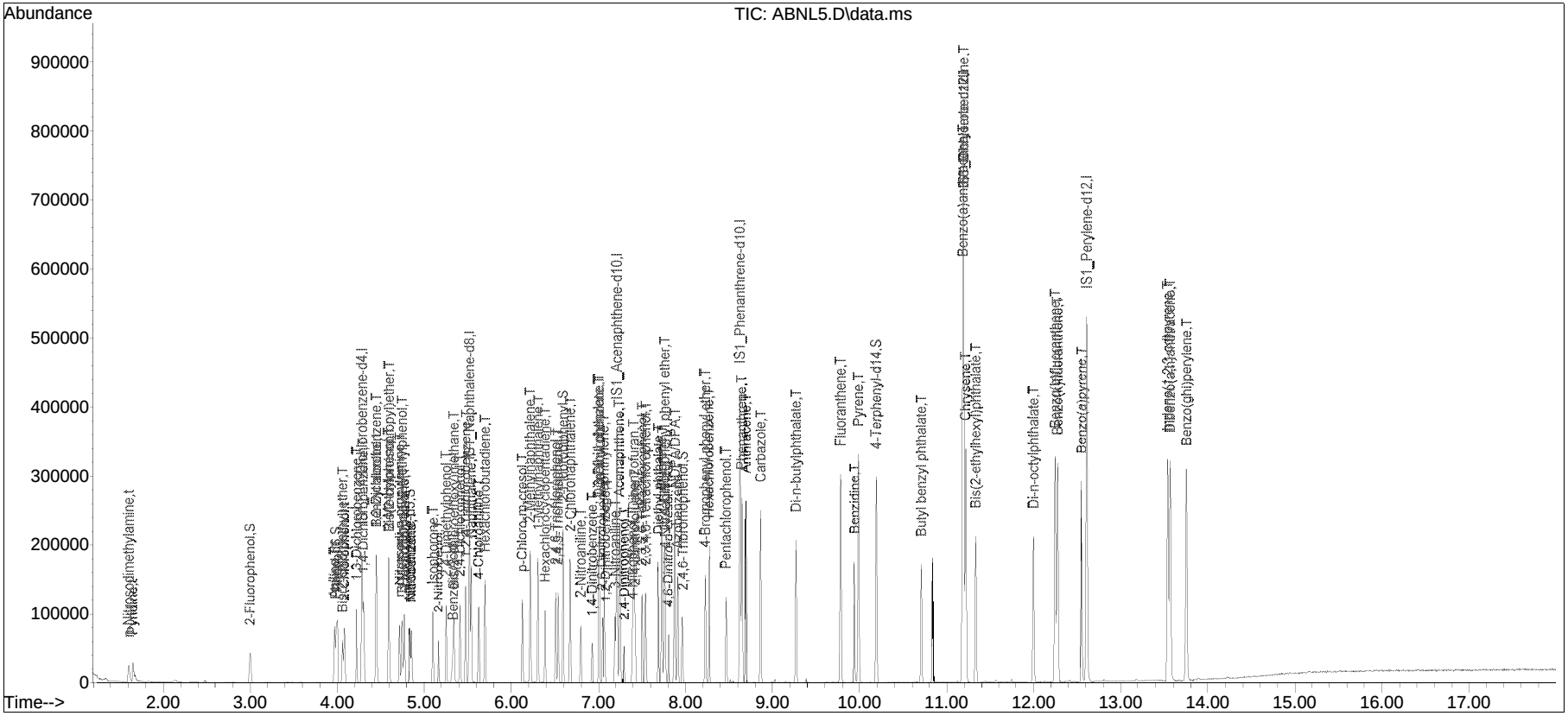
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

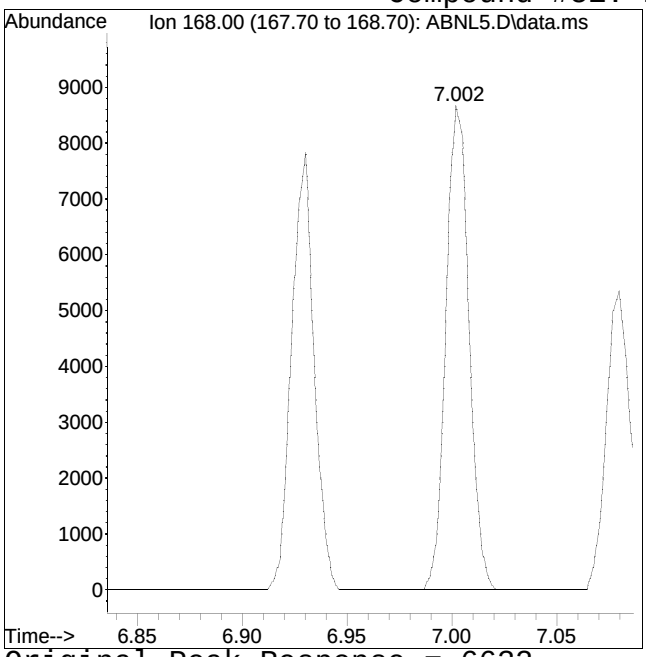
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

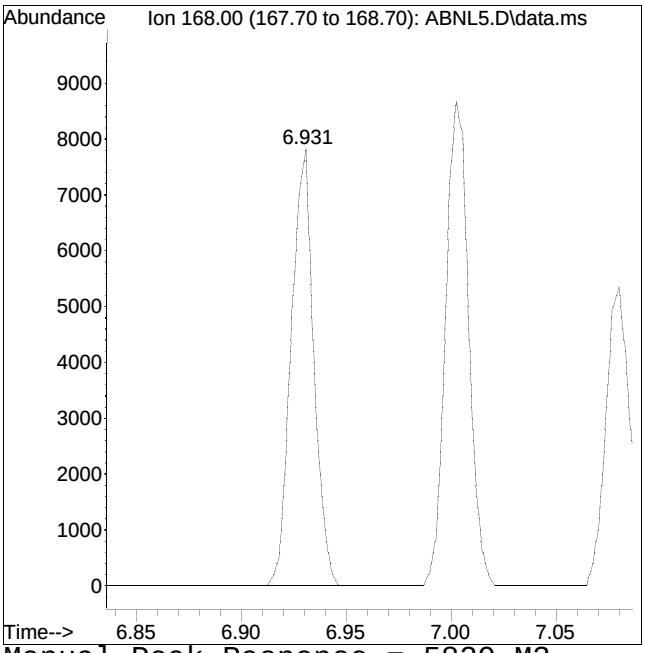


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL5.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 6:33 pm Instrument : Dakota
Sample : IL6,32,,ABNL2.5 Lot# 11115Quant Date : 11/6/2024 8:35 am

Compound #51: 1,4-Dinitrobenzene





Original Peak Response = 6632 Manual Peak Response = 5829 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.286	152	29645	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 102.37%		
37) IS1_Naphthalene-d8	5.520	136	107897	4.000 ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 100.32%		
65) IS1_Acenaphthene-d10	7.210	164	70461	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 101.31%		
90) IS1_Phenanthrene-d10	8.621	188	156225	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 104.28%		
106) IS1_Chrysene-d12	11.189	240	175608	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 101.49%		
115) IS1_Perylene-d12	12.609	264	207118	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 101.85%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	7494	1.075 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 53.75%		
7) Phenol-d6	3.987	99	9495	1.059 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 52.95%		
19) Nitrobenzene-d5	4.833	82	8830	1.081 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 108.10%		
48) 2-Fluorobiphenyl	6.592	172	25387	0.921 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 92.10%		
81) 2,4,6-Tribromophenol	7.966	330	4669	1.016 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.80%		
98) 4-Terphenyl-d14	10.191	244	42632	1.012 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 101.20%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.613	74	4871	1.026 ug/ml#	81
3) Pyridine	1.662	79	7733M1	1.040 ug/ml	
5) Aniline	3.969	93	11096	0.956 ug/ml	97
6) 2-Chlorophenol	4.081	128	8901	1.055 ug/ml#	89
8) Phenol	4.000	94	10249	0.977 ug/ml	92
9) Bis(2-chloroethyl)ether	4.062	93	7130	0.960 ug/ml	94
10) 1,3-Dichlorobenzene	4.227	146	11504	0.927 ug/ml	95
11) 1,4-Dichlorobenzene	4.301	146	11645	0.962 ug/ml	97
12) 1,2-Dichlorobenzene	4.447	146	11305	0.972 ug/ml	93
13) Benzyl alcohol	4.450	79	6639	1.014 ug/ml	98
14) Bis(2-chloroisopropyl)...	4.593	45	13142	0.869 ug/ml#	65

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	7654	1.036	ug/ml	98
16) Hexachloroethane	4.774	117	4414	1.004	ug/ml#	58
17) n-Nitrosodi-n-propylamine	4.721	70	6013	0.974	ug/ml#	84
18) 3-Methylphenol/4-Methy...	4.749	108	8547	1.091	ug/ml	99
20) Nitrobenzene	4.851	77	8609	0.995	ug/ml	97
21) Isophorone	5.097	82	15106	0.947	ug/ml	98
22) 2-Nitrophenol	5.168	139	4182	1.143	ug/ml#	84
23) 2,4-Dimethylphenol	5.255	107	7792	1.052	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.339	93	9871	0.974	ug/ml#	94
25) 2,4-Dichlorophenol	5.408	162	8821	0.957	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	11026	0.907	ug/ml	97
38) Naphthalene	5.538	128	28272	0.977	ug/ml	99
39) Benzoic Acid	5.321	105	4647	2.316	ug/ml	95
40) 4-Chloroaniline	5.622	65	3160	0.836	ug/ml#	69
41) Hexachlorobutadiene	5.697	225	6855	0.910	ug/ml	99
42) p-Chloro-m-cresol	6.126	107	7198	0.958	ug/ml	89
43) 2-Methylnaphthalene	6.216	142	19005	0.932	ug/ml	94
44) 1-Methylnaphthalene	6.309	115	6294	0.945	ug/ml	92
45) Hexachlorocyclopentadiene	6.390	237	7064	0.976	ug/ml	95
46) 2,4,6-Trichlorophenol	6.508	196	7192	0.901	ug/ml	99
47) 2,4,5-Trichlorophenol	6.539	196	8343	0.951	ug/ml	94
49) 2-Chloronaphthalene	6.679	162	21923	0.919	ug/ml	93
50) 2-Nitroaniline	6.797	138	5587	1.030	ug/ml#	74
51) 1,4-Dinitrobenzene	6.928	168	2433	0.899	ug/ml	87
52) 1,3-Dinitrobenzene	7.005	168	2825	0.878	ug/ml#	1
53) Dimethyl phthalate	7.002	163	25243	0.890	ug/ml#	98
54) Acenaphthylene	7.067	152	32446	0.935	ug/ml	100
55) 2,6-Dinitrotoluene	7.039	165	4692	0.982	ug/ml#	77
56) 1,2-Dinitrobenzene	7.080	168	1810	0.967	ug/ml#	1
66) 3-Nitroaniline	7.192	138	5066	1.077	ug/ml#	88
67) Acenaphthene	7.238	154	19239	0.983	ug/ml	85
68) 2,4-Dinitrophenol	7.291	184	2292	0.751	ug/ml#	84
69) Dibenzofuran	7.409	168	34238	1.011	ug/ml	90
70) 2,4-Dinitrotoluene	7.422	165	6155	0.948	ug/ml#	88
71) 4-Nitrophenol	7.394	65	3892	1.044	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.503	232	7152	1.043	ug/ml	99
73) 2,3,4,6-Tetrachlorophenol	7.546	232	7236	1.073	ug/ml	98
74) Diethyl phthalate	7.689	149	25683	0.965	ug/ml	97
75) Fluorene	7.736	166	26341	0.992	ug/ml	94
76) 4-Chlorophenyl phenyl ...	7.764	204	13510	0.986	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.770	138	5206	0.997	ug/ml	81
78)	4,6-Dinitro-o-cresol	7.807	198	3785	1.190	ug/ml#	56
79)	NDPA/DPA	7.879	169	22405	0.978	ug/ml	95
80)	Azobenzene	7.910	77	21474	1.007	ug/ml	98
82)	4-Bromophenyl phenyl e...	8.227	248	8392	0.962	ug/ml#	80
83)	Hexachlorobenzene	8.267	284	10855	0.984	ug/ml#	81
84)	Pentachlorophenol	8.463	266	5643	0.941	ug/ml	96
91)	Phenanthrene	8.643	178	44283	1.000	ug/ml	99
92)	Anthracene	8.693	178	42879	0.980	ug/ml	99
93)	Carbazole	8.867	167	39554	0.957	ug/ml	98
94)	Di-n-butylphthalate	9.271	149	43140	0.947	ug/ml	98
95)	Fluoranthene	9.781	202	52758	0.963	ug/ml#	92
96)	Benzidine	9.946	184	27185	0.870	ug/ml#	94
97)	Pyrene	9.989	202	57764	0.991	ug/ml	99
99)	Butyl benzyl phthalate	10.707	149	17465	0.898	ug/ml#	80
107)	Benzo(a)anthracene	11.183	228	56317	0.972	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.192	252	20507	0.965	ug/ml#	97
109)	Chrysene	11.217	228	56651	1.014	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.335	149	27758	0.903	ug/ml#	89
111)	Di-n-octylphthalate	11.994	149	44645	0.883	ug/ml#	71
112)	Benzo(b)fluoranthene	12.252	252	60227	1.014	ug/ml#	93
113)	Benzo(k)fluoranthene	12.277	252	57698	0.985	ug/ml#	93
114)	Benzo(a)pyrene	12.553	252	52945	0.977	ug/ml#	92
116)	Indeno(1,2,3-cd)pyrene	13.542	276	56228	0.887	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.566	278	59013	0.948	ug/ml#	90
118)	Benzo(ghi)perylene	13.750	276	56806	0.943	ug/ml#	87

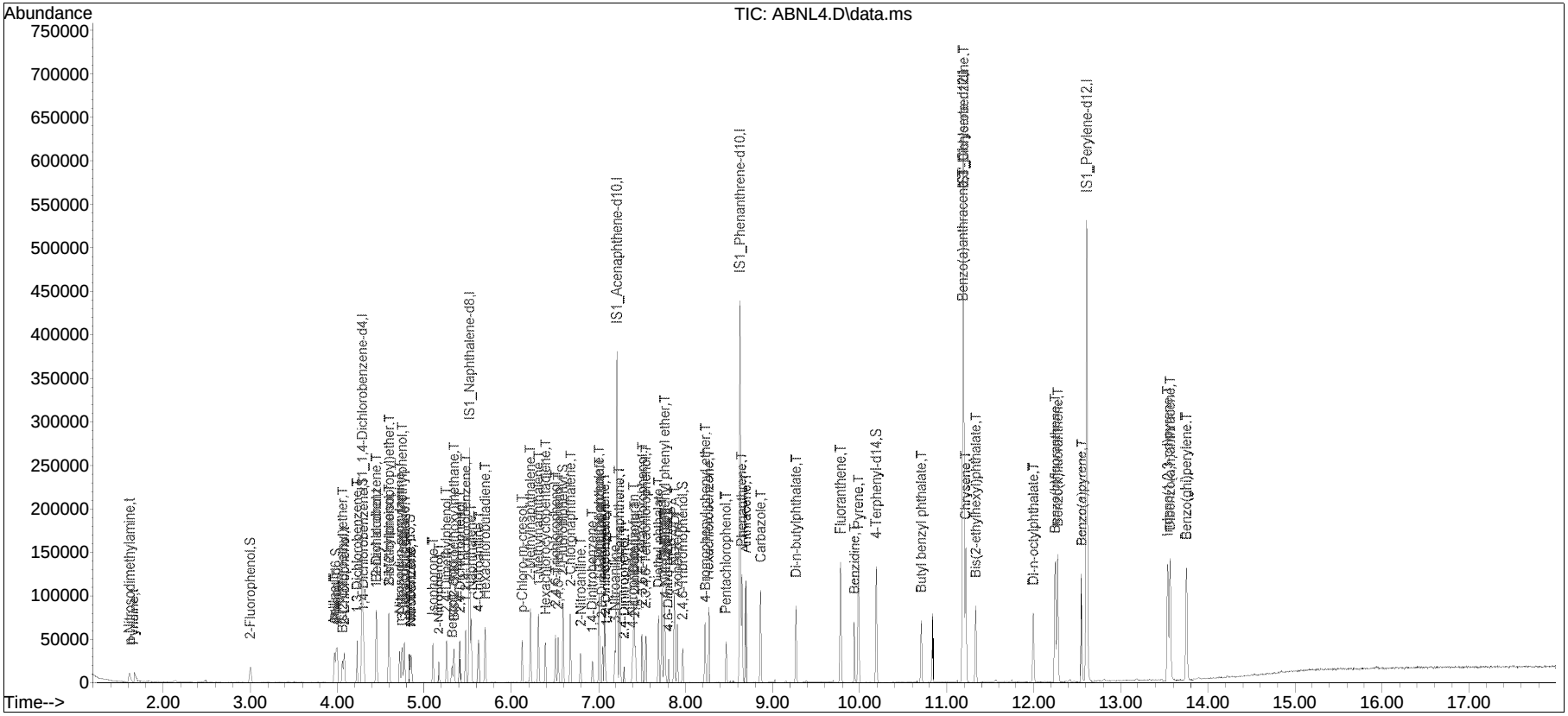
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

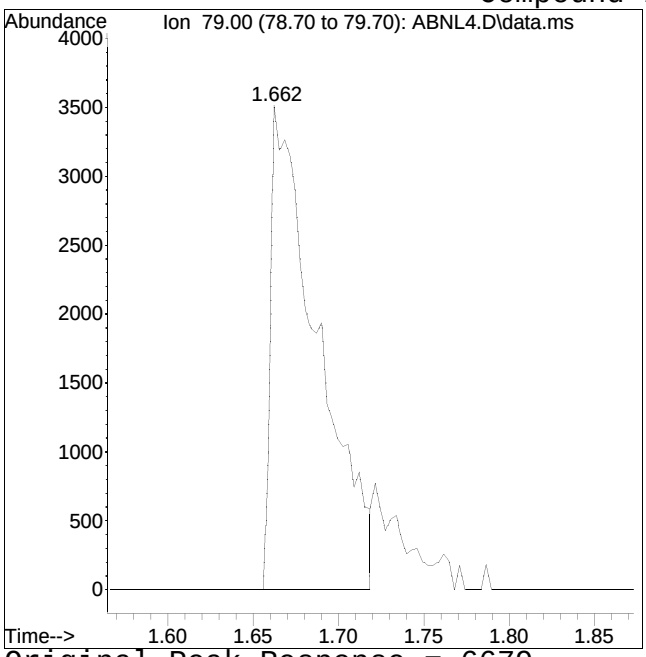
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

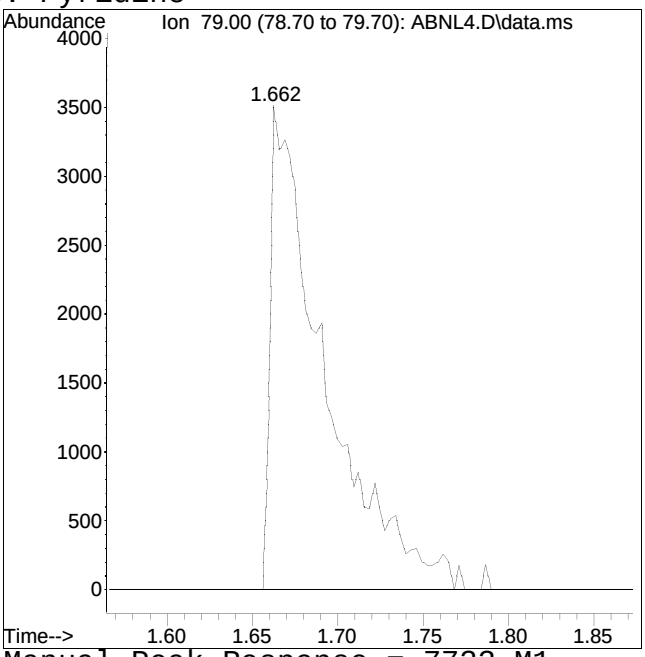


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL4.D
Date Inj'd : 11/5/2024 6:56 pm
Sample : IL7,32,,ABNL1 Lot# 11116
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #3: Pyridine





Original Peak Response = 6679 Manual Peak Response = 7733 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	29418	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery =	101.58%	
37) IS1_Naphthalene-d8	5.520	136	107040	4.000 ug/ml	# 0.00
Standard Area 1 = 107558			Recovery =	99.52%	
65) IS1_Acenaphthene-d10	7.210	164	69588	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery =	100.05%	
90) IS1_Phenanthrene-d10	8.625	188	154469	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery =	103.11%	
106) IS1_Chrysene-d12	11.189	240	171586	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery =	99.16%	
115) IS1_Perylene-d12	12.609	264	198191	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery =	97.46%	
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	4114	0.594 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	29.70%	
7) Phenol-d6	3.984	99	5099	0.573 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	28.65%	
19) Nitrobenzene-d5	4.833	82	4322	0.533 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	53.30%	
48) 2-Fluorobiphenyl	6.592	172	14074	0.515 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	51.50%	
81) 2,4,6-Tribromophenol	7.969	330	2419	0.533 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	26.65%	
98) 4-Terphenyl-d14	10.191	244	23205	0.557 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	55.70%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.616	74	2320	0.493 ug/ml#	84
3) Pyridine	1.678	79	3401	0.461 ug/ml#	52
5) Aniline	3.969	93	6141	0.533 ug/ml#	95
6) 2-Chlorophenol	4.081	128	4589	0.548 ug/ml	91
8) Phenol	3.997	94	5365	0.516 ug/ml	98
9) Bis(2-chloroethyl)ether	4.062	93	3944	0.535 ug/ml#	73
10) 1,3-Dichlorobenzene	4.224	146	6253	0.508 ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	5896	0.491 ug/ml	96
12) 1,2-Dichlorobenzene	4.447	146	6085	0.527 ug/ml	93
13) Benzyl alcohol	4.450	79	3277	0.504 ug/ml	92
14) Bis(2-chloroisopropyl)...	4.596	45	6779	0.452 ug/ml#	57

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	4182	0.571	ug/ml	98
16) Hexachloroethane	4.774	117	2279	0.522	ug/ml#	55
17) n-Nitrosodi-n-propylamine	4.724	70	3148	0.514	ug/ml#	83
18) 3-Methylphenol/4-Methy...	4.749	108	4315	0.555	ug/ml#	96
20) Nitrobenzene	4.851	77	4733	0.551	ug/ml	92
21) Isophorone	5.097	82	8339	0.527	ug/ml#	94
22) 2-Nitrophenol	5.168	139	2238	0.617	ug/ml#	83
23) 2,4-Dimethylphenol	5.255	107	3990	0.543	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.342	93	5699	0.567	ug/ml#	88
25) 2,4-Dichlorophenol	5.408	162	4928	0.539	ug/ml#	90
26) 1,2,4-Trichlorobenzene	5.479	180	5828	0.483	ug/ml#	93
38) Naphthalene	5.538	128	15620	0.544	ug/ml	99
39) Benzoic Acid	5.314	105	2055	1.933	ug/ml	93
40) 4-Chloroaniline	5.619	65	1649	0.440	ug/ml#	73
41) Hexachlorobutadiene	5.697	225	3809	0.510	ug/ml	97
42) p-Chloro-m-cresol	6.126	107	4123	0.553	ug/ml	94
43) 2-Methylnaphthalene	6.216	142	10794	0.533	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	3402	0.515	ug/ml	90
45) Hexachlorocyclopentadiene	6.390	237	3753	0.523	ug/ml#	92
46) 2,4,6-Trichlorophenol	6.508	196	3730	0.471	ug/ml	96
47) 2,4,5-Trichlorophenol	6.536	196	4171	0.479	ug/ml	94
49) 2-Chloronaphthalene	6.676	162	11828	0.500	ug/ml#	92
50) 2-Nitroaniline	6.797	138	2840	0.528	ug/ml#	79
51) 1,4-Dinitrobenzene	6.928	168	1198	0.446	ug/ml	98
52) 1,3-Dinitrobenzene	7.002	168	1608	0.504	ug/ml#	1
53) Dimethyl phthalate	7.002	163	13663	0.485	ug/ml#	93
54) Acenaphthylene	7.067	152	17423	0.506	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	2472	0.522	ug/ml#	72
56) 1,2-Dinitrobenzene	7.077	168	869	0.468	ug/ml#	1
66) 3-Nitroaniline	7.192	138	2555	0.550	ug/ml#	87
67) Acenaphthene	7.238	154	10391	0.538	ug/ml	86
68) 2,4-Dinitrophenol	7.294	184	1122	0.372	ug/ml#	60
69) Dibenzofuran	7.409	168	18140	0.543	ug/ml	90
70) 2,4-Dinitrotoluene	7.422	165	3188	0.497	ug/ml#	87
71) 4-Nitrophenol	7.397	65	1815	0.493	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.503	232	3995	0.590	ug/ml	95
73) 2,3,4,6-Tetrachlorophenol	7.546	232	3636	0.546	ug/ml	95
74) Diethyl phthalate	7.686	149	14100	0.537	ug/ml	97
75) Fluorene	7.736	166	13902	0.530	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	7123	0.526	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.770	138	2602	0.505	ug/ml	82
78)	4,6-Dinitro-o-cresol	7.807	198	1926	0.800	ug/ml#	53
79)	NDPA/DPA	7.879	169	12162	0.537	ug/ml	95
80)	Azobenzene	7.910	77	11871	0.563	ug/ml	97
82)	4-Bromophenyl phenyl e...	8.227	248	4868	0.565	ug/ml#	77
83)	Hexachlorobenzene	8.270	284	5936	0.545	ug/ml#	81
84)	Pentachlorophenol	8.463	266	2717	0.459	ug/ml	95
91)	Phenanthrene	8.643	178	23436	0.535	ug/ml	96
92)	Anthracene	8.693	178	22990	0.531	ug/ml	98
93)	Carbazole	8.867	167	21414	0.524	ug/ml	99
94)	Di-n-butylphthalate	9.271	149	23305	0.517	ug/ml#	98
95)	Fluoranthene	9.781	202	28196	0.521	ug/ml#	91
96)	Benzidine	9.946	184	13470	0.436	ug/ml#	94
97)	Pyrene	9.989	202	30155	0.523	ug/ml	98
99)	Butyl benzyl phthalate	10.707	149	9250	0.481	ug/ml#	83
107)	Benzo(a)anthracene	11.183	228	30189	0.533	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.192	252	10487	0.505	ug/ml#	97
109)	Chrysene	11.217	228	31185	0.571	ug/ml	99
110)	Bis(2-ethylhexyl)phtha...	11.335	149	14256	0.474	ug/ml#	89
111)	Di-n-octylphthalate	11.991	149	22394	0.453	ug/ml#	74
112)	Benzo(b)fluoranthene	12.252	252	31504	0.543	ug/ml#	93
113)	Benzo(k)fluoranthene	12.277	252	30567	0.534	ug/ml#	93
114)	Benzo(a)pyrene	12.553	252	26723	0.505	ug/ml#	92
116)	Indeno(1,2,3-cd)pyrene	13.542	276	29560	0.488	ug/mL#	88
117)	Dibenzo(a,h)anthracene	13.567	278	30045	0.505	ug/ml#	89
118)	Benzo(ghi)perylene	13.750	276	30478	0.529	ug/ml#	84

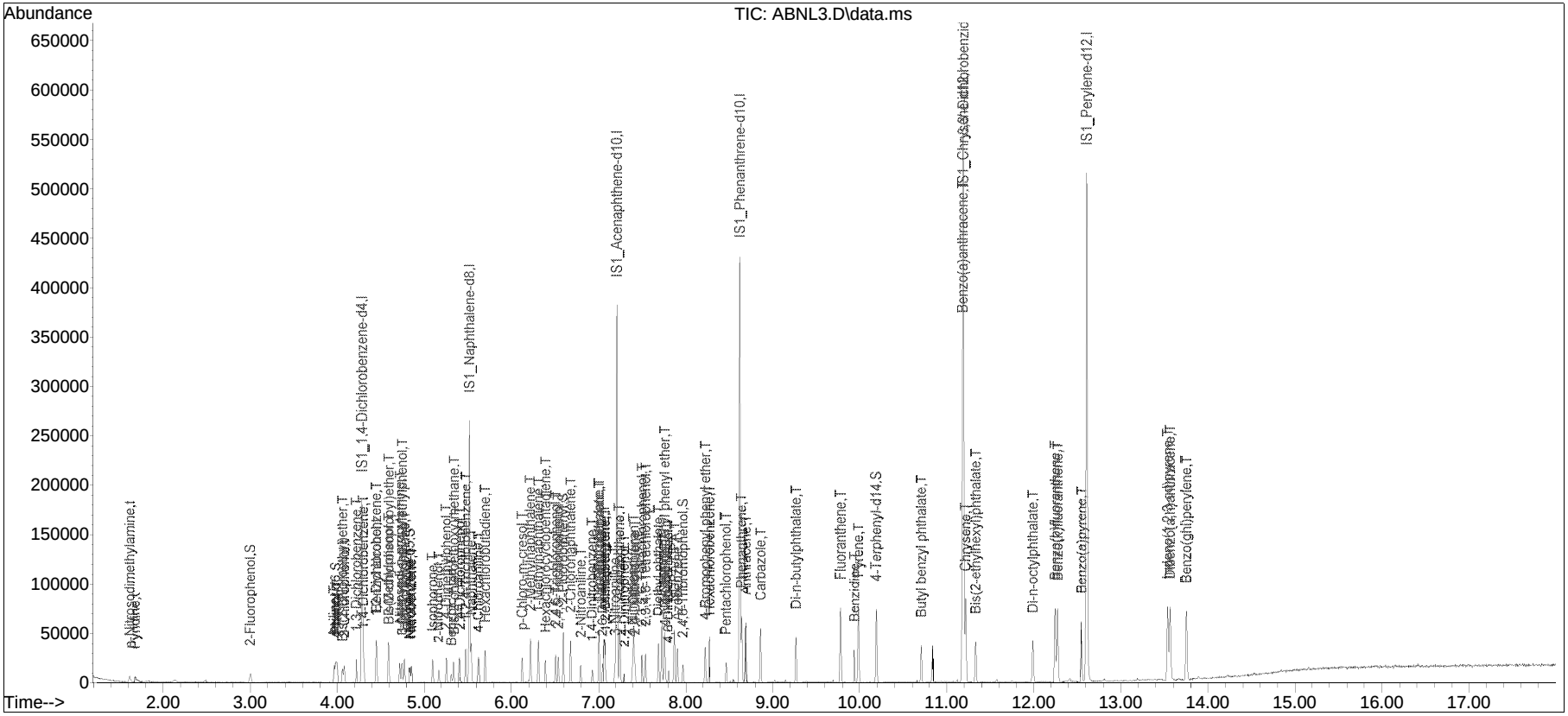
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ABNL3.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 7:19 pm	Instrument	: Dakota
Sample	: IL8,32,,ABNL0.5 Lot# 11117	Quant Date	: 11/6/2024 8:35 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	26744	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 92.35%		
37) IS1_Naphthalene-d8	5.520	136	97597	4.000 ug/ml	0.00
Standard Area 1 = 107558			Recovery = 90.74%		
65) IS1_Acenaphthene-d10	7.210	164	61798	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 88.85%		
90) IS1_Phenanthrene-d10	8.621	188	140419	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 93.73%		
106) IS1_Chrysene-d12	11.189	240	157363	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 90.94%		
115) IS1_Perylene-d12	12.609	264	178706	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 87.88%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.002	112	1343	0.213 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.65%#		
7) Phenol-d6	3.984	99	1724	0.213 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.65%#		
19) Nitrobenzene-d5	4.836	82	1535	0.208 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 20.80%#		
48) 2-Fluorobiphenyl	6.592	172	4771	0.191 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 19.10%#		
81) 2,4,6-Tribromophenol	7.969	330	885	0.220 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 11.00%#		
98) 4-Terphenyl-d14	10.188	244	7997	0.211 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 21.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.619	74	731	0.171 ug/ml#	88
3) Pyridine	1.703	79	992	0.148 ug/ml#	1
5) Aniline	3.972	93	1909	0.182 ug/ml#	77
6) 2-Chlorophenol	4.077	128	1411	0.185 ug/ml#	71
8) Phenol	4.000	94	1770	0.187 ug/ml#	73
9) Bis(2-chloroethyl)ether	4.062	93	1212	0.181 ug/ml#	73
10) 1,3-Dichlorobenzene	4.227	146	1946M3	0.174 ug/ml	
11) 1,4-Dichlorobenzene	4.301	146	2074	0.190 ug/ml	93
12) 1,2-Dichlorobenzene	4.450	146	2094	0.200 ug/ml	92
13) Benzyl alcohol	4.453	79	1147	0.194 ug/ml	97
14) Bis(2-chloroisopropyl)...	4.593	45	2334	0.171 ug/ml#	51

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	1387	0.208	ug/ml#	89
16) Hexachloroethane	4.774	117	675	0.170	ug/ml#	46
17) n-Nitrosodi-n-propylamine	4.724	70	1115	0.200	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.749	108	1604	0.227	ug/ml#	96
20) Nitrobenzene	4.854	77	1500	0.192	ug/ml#	85
21) Isophorone	5.100	82	2890	0.201	ug/ml#	65
22) 2-Nitrophenol	5.165	139	785	0.238	ug/ml#	31
23) 2,4-Dimethylphenol	5.255	107	1345	0.201	ug/ml	93
24) Bis(2-chloroethoxy)met...	5.339	93	1764	0.193	ug/ml#	89
25) 2,4-Dichlorophenol	5.408	162	1570	0.189	ug/ml#	75
26) 1,2,4-Trichlorobenzene	5.479	180	2035	0.186	ug/ml	88
38) Naphthalene	5.538	128	5444	0.208	ug/ml	99
39) Benzoic Acid	5.311	105	305M2	1.675	ug/ml	
40) 4-Chloroaniline	5.622	65	556	0.163	ug/ml#	56
41) Hexachlorobutadiene	5.697	225	1142	0.168	ug/ml	96
42) p-Chloro-m-cresol	6.126	107	1357	0.200	ug/ml#	82
43) 2-Methylnaphthalene	6.219	142	3600	0.195	ug/ml	95
44) 1-Methylnaphthalene	6.306	115	1113M3	0.185	ug/ml	
45) Hexachlorocyclopentadiene	6.390	237	1098	0.168	ug/ml#	87
46) 2,4,6-Trichlorophenol	6.508	196	1360	0.188	ug/ml#	83
47) 2,4,5-Trichlorophenol	6.539	196	1464	0.185	ug/ml#	83
49) 2-Chloronaphthalene	6.679	162	4378	0.203	ug/ml#	91
50) 2-Nitroaniline	6.794	138	967	0.197	ug/ml#	44
51) 1,4-Dinitrobenzene	6.928	168	309M2	0.126	ug/ml	
52) 1,3-Dinitrobenzene	7.005	168	453M2	0.156	ug/ml	
53) Dimethyl phthalate	7.002	163	4834	0.188	ug/ml#	77
54) Acenaphthylene	7.067	152	5876	0.187	ug/ml	100
55) 2,6-Dinitrotoluene	7.043	165	768	0.178	ug/ml#	50
56) 1,2-Dinitrobenzene	7.083	168	212M2	0.125	ug/ml	
66) 3-Nitroaniline	7.192	138	892	0.216	ug/ml#	67
67) Acenaphthene	7.238	154	3717	0.217	ug/ml	91
68) 2,4-Dinitrophenol	7.291	184	291M2	0.109	ug/ml	
69) Dibenzofuran	7.409	168	6564	0.221	ug/ml	96
70) 2,4-Dinitrotoluene	7.422	165	1006	0.177	ug/ml#	60
71) 4-Nitrophenol	7.394	65	638	0.195	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.506	232	1294	0.215	ug/ml	87
73) 2,3,4,6-Tetrachlorophenol	7.546	232	1161	0.196	ug/ml	92
74) Diethyl phthalate	7.686	149	4946	0.212	ug/ml	96
75) Fluorene	7.736	166	4961	0.213	ug/ml	87
76) 4-Chlorophenyl phenyl ...	7.761	204	2543	0.212	ug/ml#	79

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.770	138	798	0.174	ug/ml#	80
78)	4,6-Dinitro-o-cresol	7.810	198	460M2	0.497	ug/ml	
79)	NDPA/DPA	7.879	169	4188	0.208	ug/ml	88
80)	Azobenzene	7.910	77	4014	0.215	ug/ml#	95
82)	4-Bromophenyl phenyl e...	8.227	248	1681	0.220	ug/ml#	82
83)	Hexachlorobenzene	8.267	284	2219	0.229	ug/ml#	76
84)	Pentachlorophenol	8.466	266	864	0.164	ug/ml	98
91)	Phenanthrene	8.643	178	8748	0.220	ug/ml	98
92)	Anthracene	8.690	178	8056	0.205	ug/ml	99
93)	Carbazole	8.864	167	7288	0.196	ug/ml	99
94)	Di-n-butylphthalate	9.271	149	7684	0.188	ug/ml#	93
95)	Fluoranthene	9.781	202	10128	0.206	ug/ml#	92
96)	Benzidine	9.945	184	4612	0.164	ug/ml#	86
97)	Pyrene	9.989	202	10851	0.207	ug/ml	99
99)	Butyl benzyl phthalate	10.707	149	2914	0.167	ug/ml#	82
107)	Benzo(a)anthracene	11.179	228	10880	0.210	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.192	252	3454	0.181	ug/ml	98
109)	Chrysene	11.217	228	10803	0.216	ug/ml	96
110)	Bis(2-ethylhexyl)phtha...	11.335	149	4698	0.170	ug/ml#	85
111)	Di-n-octylphthalate	11.994	149	8032	0.177	ug/ml#	73
112)	Benzo(b)fluoranthene	12.252	252	11034	0.207	ug/ml#	93
113)	Benzo(k)fluoranthene	12.277	252	9946	0.189	ug/ml#	94
114)	Benzo(a)pyrene	12.553	252	9411	0.194	ug/ml#	91
116)	Indeno(1,2,3-cd)pyrene	13.538	276	10109	0.185	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.566	278	10097	0.188	ug/ml#	90
118)	Benzo(ghi)perylene	13.747	276	10475	0.201	ug/ml#	84

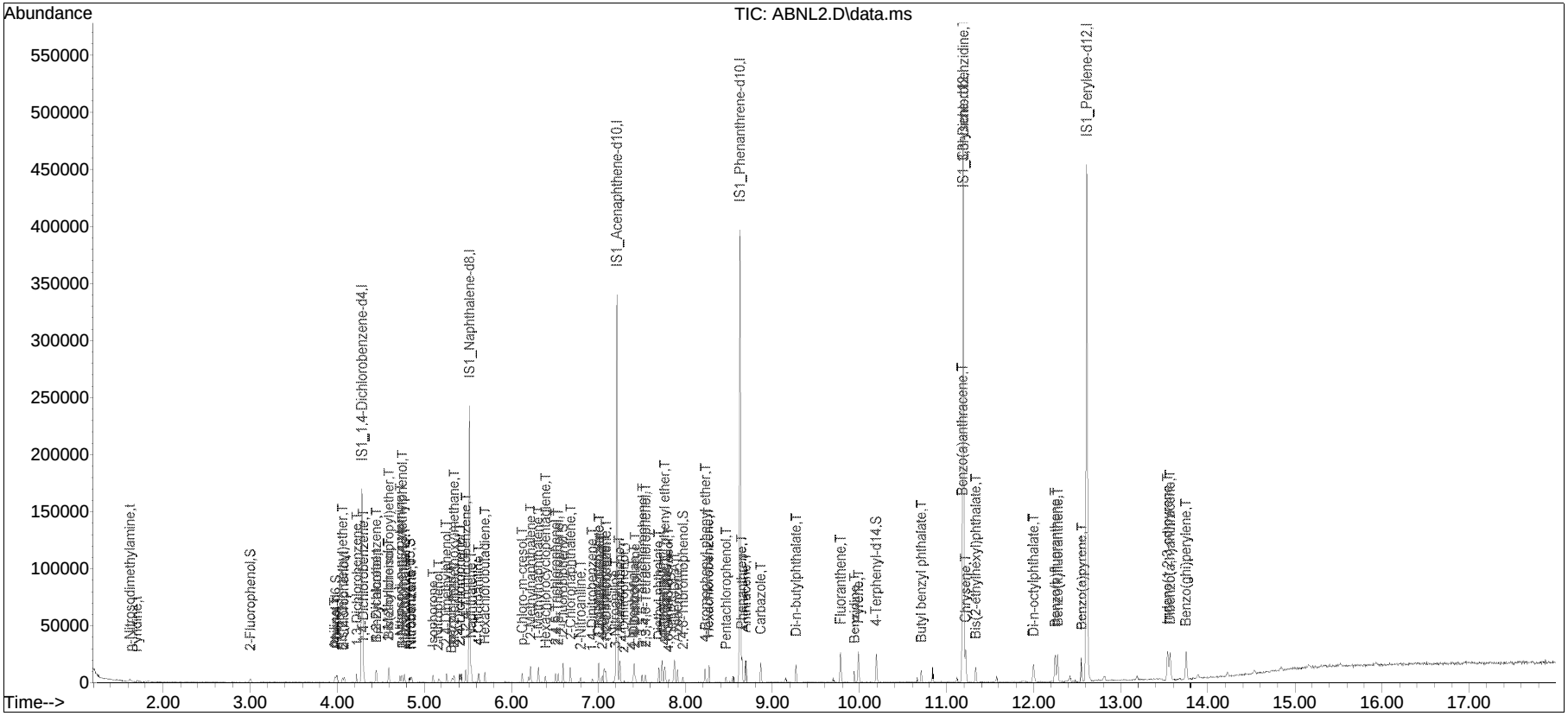
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

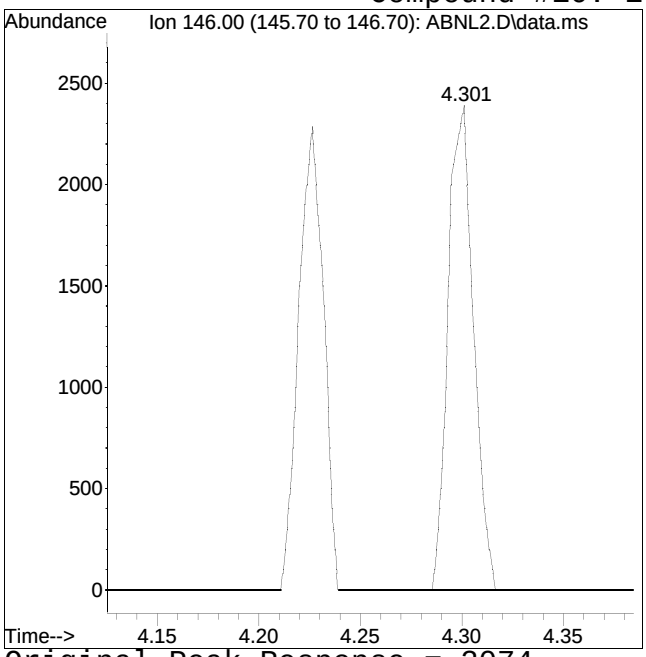
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

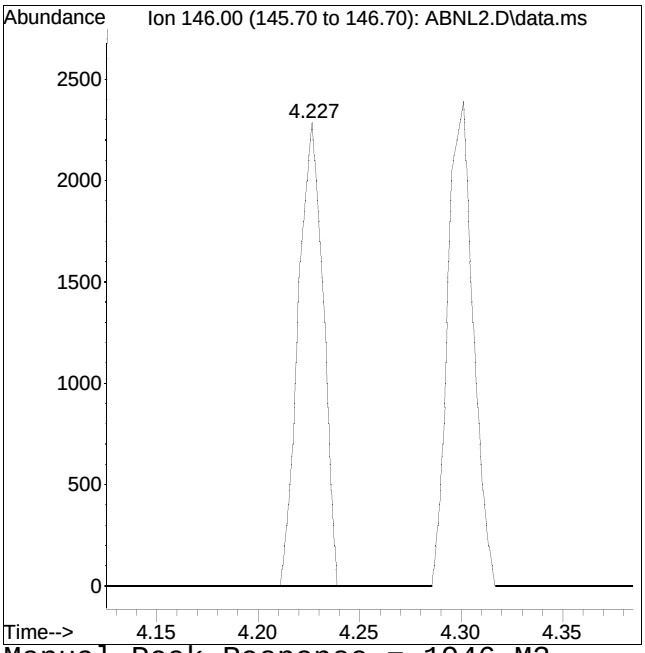


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #10: 1,3-Dichlorobenzene





Original Peak Response = 2074 Manual Peak Response = 1946 M3

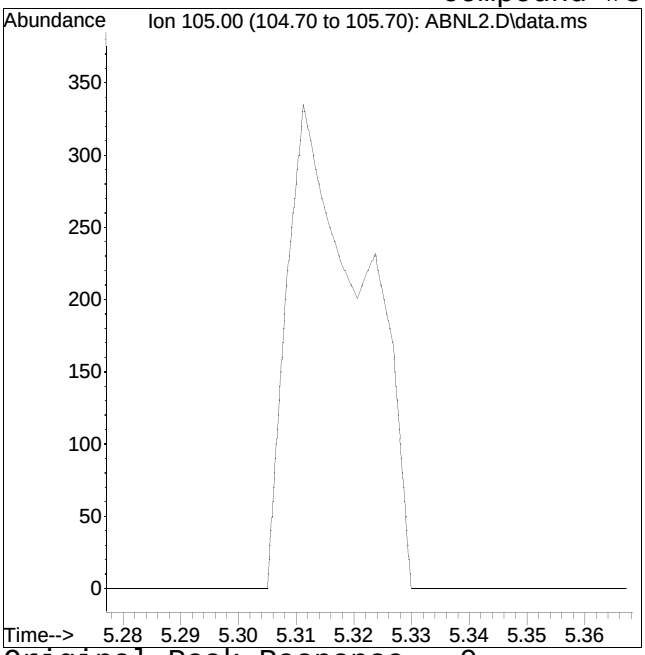
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

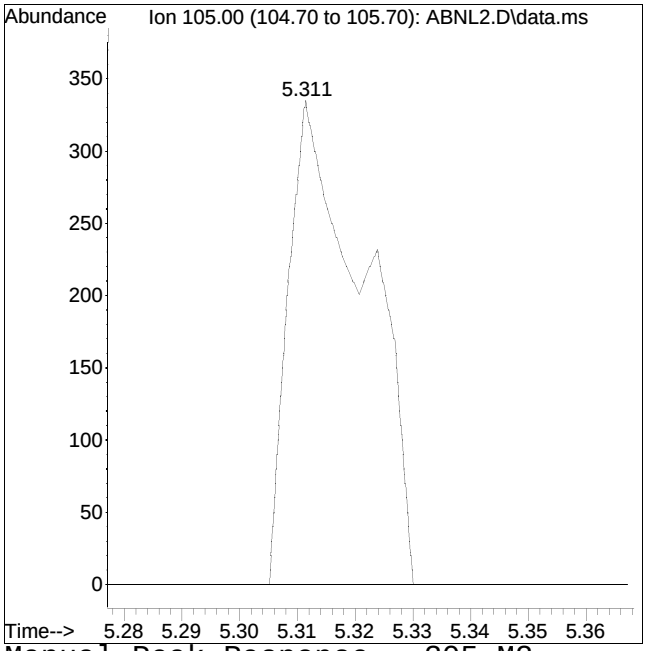
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #39: Benzoic Acid



Original Peak Response = 0



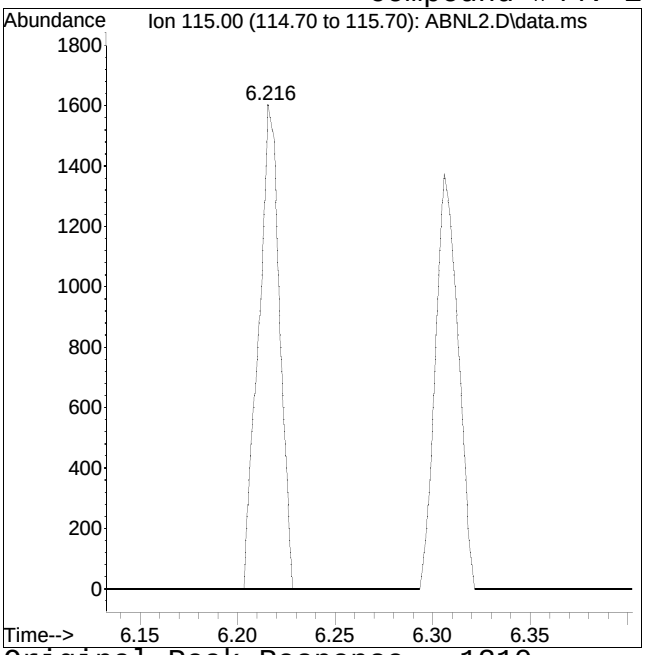
Manual Peak Response = 305 M2

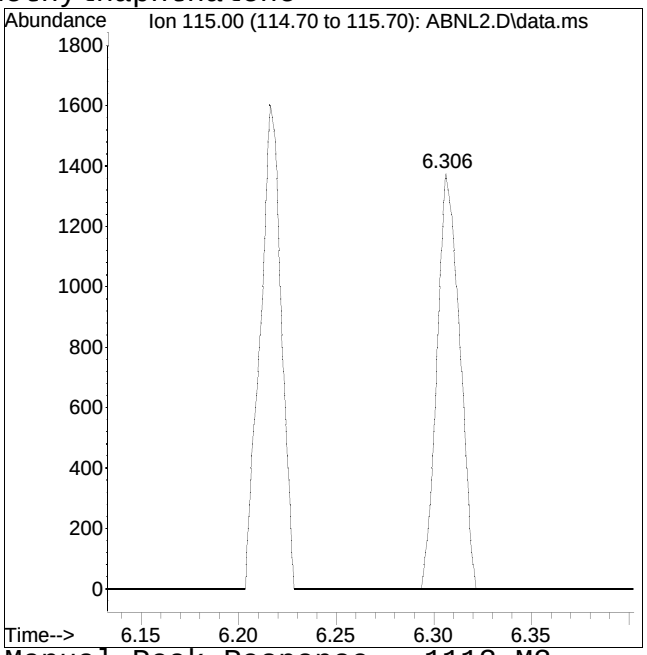
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #44: 1-Methylnaphthalene





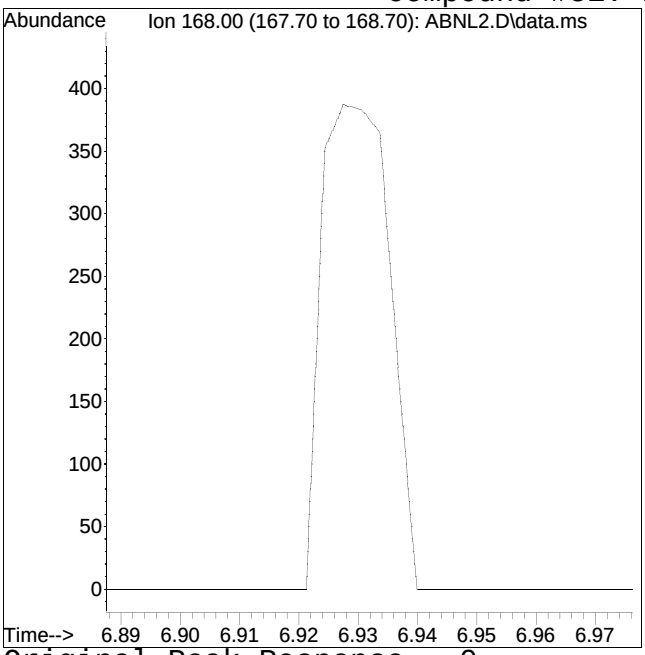
Original Peak Response = 1210 Manual Peak Response = 1113 M3

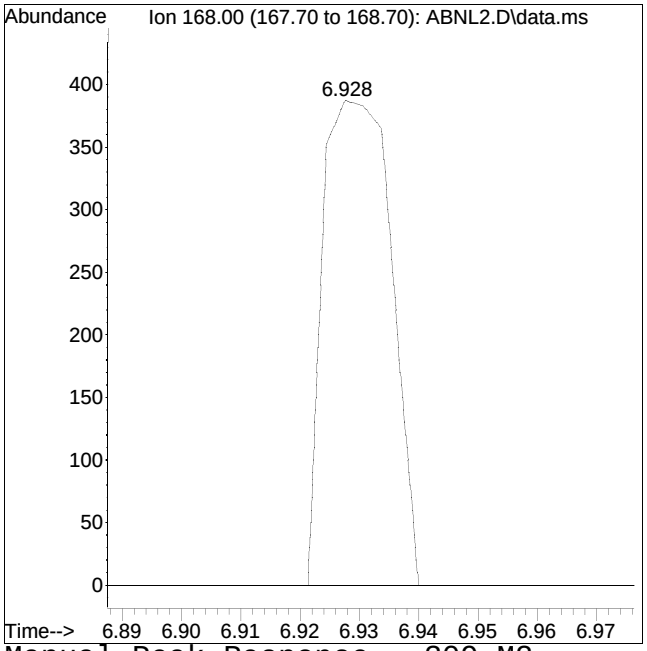
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #51: 1,4-Dinitrobenzene





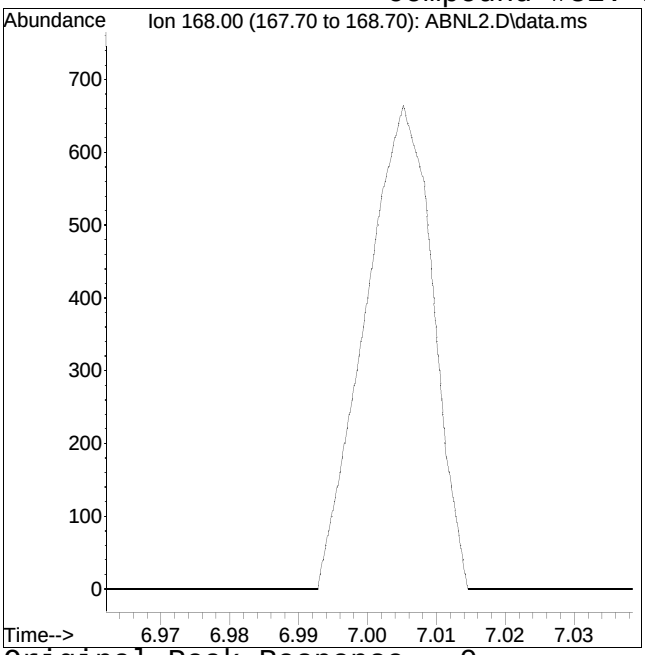
Original Peak Response = 0
Manual Peak Response = 309 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

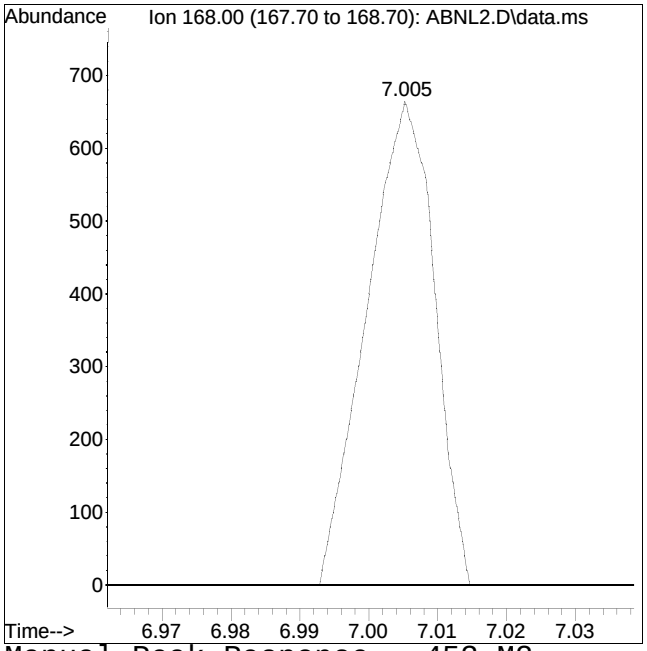
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #52: 1,3-Dinitrobenzene



Original Peak Response = 0



Manual Peak Response = 453 M2

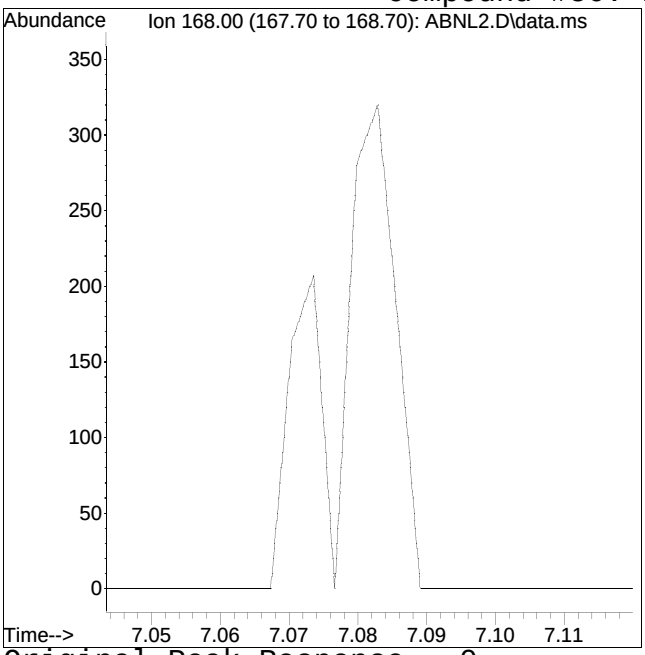
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

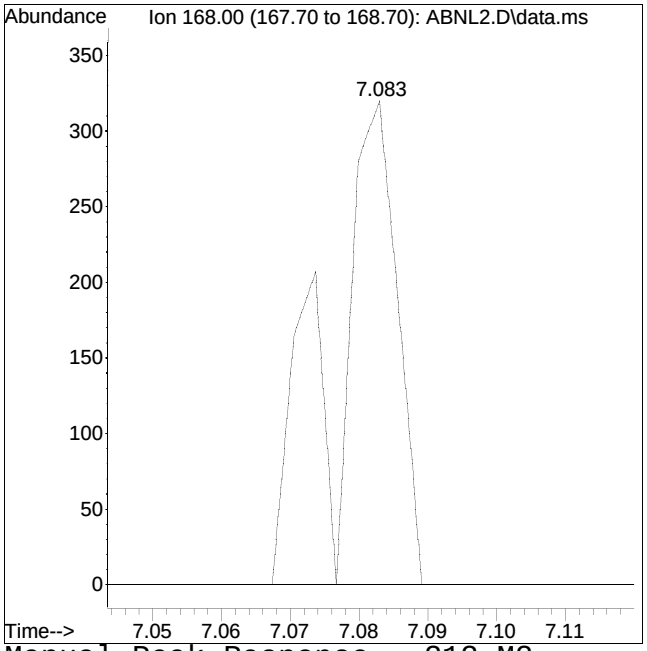
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #56: 1,2-Dinitrobenzene



Original Peak Response = 0



Manual Peak Response = 212 M2

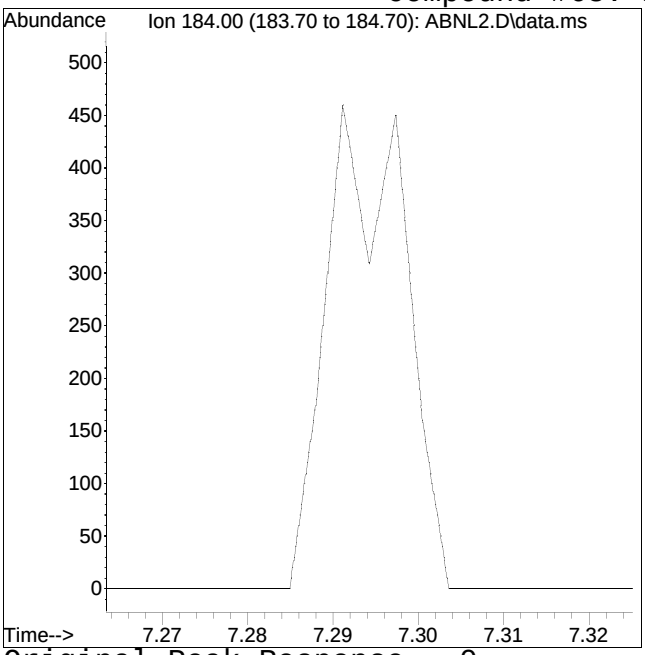
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

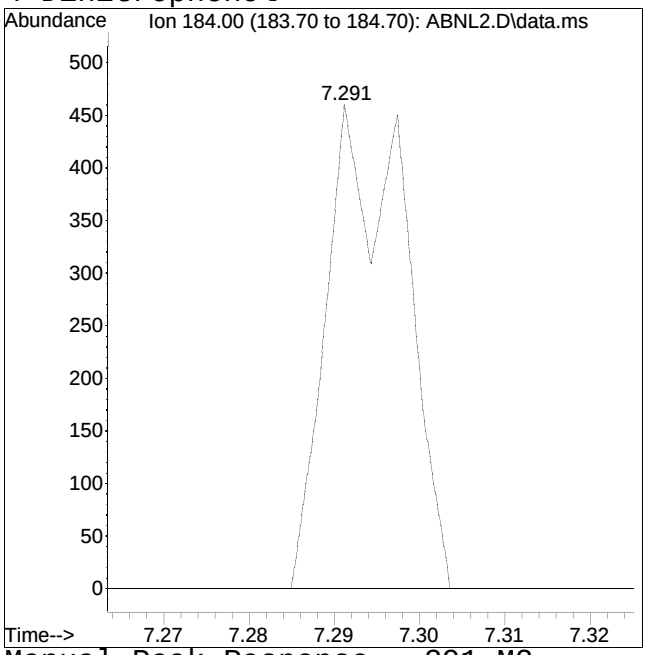
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #68: 2,4-Dinitrophenol



Original Peak Response = 0



Manual Peak Response = 291 M2

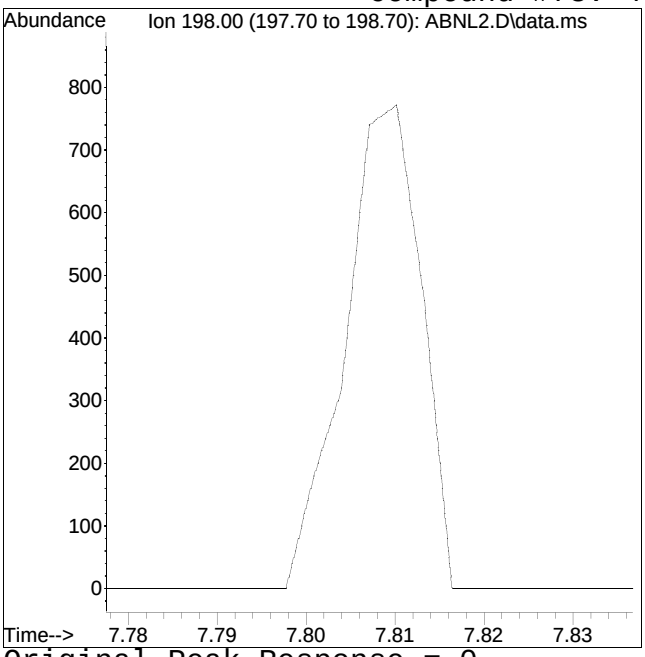
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

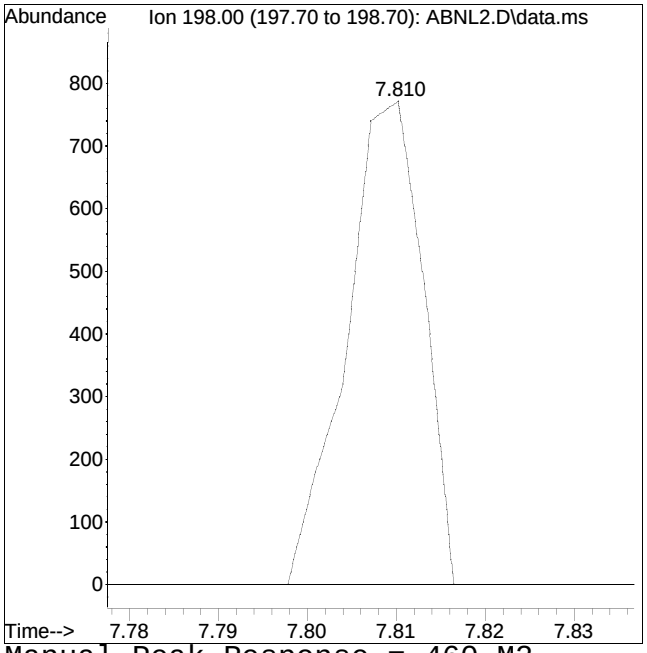
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #78: 4,6-Dinitro-o-cresol



Original Peak Response = 0



Manual Peak Response = 460 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	27369	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery =	94.51%	
37) IS1_Naphthalene-d8	5.520	136	99976	4.000 ug/ml	0.00
Standard Area 1 = 107558			Recovery =	92.95%	
65) IS1_Acenaphthene-d10	7.210	164	64152	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery =	92.23%	
90) IS1_Phenanthrene-d10	8.621	188	144467	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery =	96.43%	
106) IS1_Chrysene-d12	11.189	240	161244	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery =	93.19%	
115) IS1_Perylene-d12	12.609	264	182414	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery =	89.70%	
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	718	0.112 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	5.60%#	
7) Phenol-d6	3.987	99	1069	0.129 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	6.45%#	
19) Nitrobenzene-d5	4.836	82	848	0.112 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	11.20%#	
48) 2-Fluorobiphenyl	6.592	172	3465	0.136 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	13.60%#	
81) 2,4,6-Tribromophenol	7.966	330	505	0.121 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	6.05%#	
98) 4-Terphenyl-d14	10.191	244	5994	0.154 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	15.40%#	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.619	74	471M2	0.107 ug/ml	
3) Pyridine	1.721	79	491M2	0.072 ug/ml	
5) Aniline	3.972	93	1245	0.116 ug/ml#	83
6) 2-Chlorophenol	4.081	128	966	0.124 ug/ml#	30
8) Phenol	4.000	94	1175	0.121 ug/ml#	74
9) Bis(2-chloroethyl)ether	4.065	93	882	0.129 ug/ml#	65
10) 1,3-Dichlorobenzene	4.227	146	1361M3	0.119 ug/ml	
11) 1,4-Dichlorobenzene	4.301	146	1449	0.130 ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	1160M3	0.108 ug/ml	
13) Benzyl alcohol	4.457	79	695	0.115 ug/ml#	87
14) Bis(2-chloroisopropyl)...	4.596	45	1532	0.110 ug/ml#	48

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.593	108	890	0.131	ug/ml#	87
16) Hexachloroethane	4.774	117	541	0.133	ug/ml#	53
17) n-Nitrosodi-n-propylamine	4.727	70	767	0.135	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.752	108	1033	0.143	ug/ml#	87
20) Nitrobenzene	4.851	77	926	0.116	ug/ml#	39
21) Isophorone	5.100	82	1864	0.127	ug/ml#	65
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	5.255	107	936	0.137	ug/ml#	64
24) Bis(2-chloroethoxy)met...	5.342	93	1098	0.117	ug/ml#	50
25) 2,4-Dichlorophenol	5.408	162	1059	0.124	ug/ml#	73
26) 1,2,4-Trichlorobenzene	5.479	180	1353	0.121	ug/ml#	82
38) Naphthalene	5.538	128	3631	0.135	ug/ml#	52
39) Benzoic Acid	5.314	105	144M2	1.648	ug/ml	
40) 4-Chloroaniline	5.625	65	375M2	0.107	ug/ml	
41) Hexachlorobutadiene	5.697	225	744	0.107	ug/ml#	53
42) p-Chloro-m-cresol	6.129	107	854	0.123	ug/ml#	77
43) 2-Methylnaphthalene	6.216	142	2612	0.138	ug/ml	98
44) 1-Methylnaphthalene	6.309	115	803	0.130	ug/ml	84
45) Hexachlorocyclopentadiene	6.390	237	743	0.111	ug/ml#	27
46) 2,4,6-Trichlorophenol	6.511	196	814	0.110	ug/ml#	79
47) 2,4,5-Trichlorophenol	6.536	196	998	0.123	ug/ml#	81
49) 2-Chloronaphthalene	6.679	162	2781	0.126	ug/ml#	89
50) 2-Nitroaniline	6.797	138	550	0.109	ug/ml#	60
51) 1,4-Dinitrobenzene	6.928	168	232M2	0.093	ug/ml	
52) 1,3-Dinitrobenzene	6.999	168	271M2	0.091	ug/ml	
53) Dimethyl phthalate	7.002	163	3294	0.125	ug/ml#	77
54) Acenaphthylene	7.067	152	3963	0.123	ug/ml#	84
55) 2,6-Dinitrotoluene	7.039	165	480M3	0.108	ug/ml	
56) 1,2-Dinitrobenzene	7.083	168	66M2	0.038	ug/ml	
66) 3-Nitroaniline	7.192	138	500	0.117	ug/ml#	34
67) Acenaphthene	7.238	154	2671	0.150	ug/ml	94
68) 2,4-Dinitrophenol	7.294	184	194M2	0.070	ug/ml	
69) Dibenzofuran	7.409	168	4484	0.145	ug/ml	95
70) 2,4-Dinitrotoluene	7.422	165	598	0.101	ug/ml#	62
71) 4-Nitrophenol	7.397	65	368M3	0.108	ug/ml	
72) 2,3,5,6-Tetrachlorophenol	7.506	232	745	0.119	ug/ml#	73
73) 2,3,4,6-Tetrachlorophenol	7.543	232	860	0.140	ug/ml#	68
74) Diethyl phthalate	7.689	149	3507	0.145	ug/ml#	85
75) Fluorene	7.736	166	3304	0.137	ug/ml#	85
76) 4-Chlorophenyl phenyl ...	7.764	204	1762	0.141	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.773	138	378M2	0.080	ug/ml	
78)	4,6-Dinitro-o-cresol	7.810	198	385M2	0.476	ug/ml	
79)	NDPA/DPA	7.879	169	3050	0.146	ug/ml	97
80)	Azobenzene	7.910	77	2486	0.128	ug/ml#	80
82)	4-Bromophenyl phenyl e...	8.227	248	1158	0.146	ug/ml#	76
83)	Hexachlorobenzene	8.267	284	1435	0.143	ug/ml#	33
84)	Pentachlorophenol	8.466	266	597	0.109	ug/ml#	19
91)	Phenanthrene	8.646	178	5979	0.146	ug/ml	99
92)	Anthracene	8.693	178	5679	0.140	ug/ml	97
93)	Carbazole	8.864	167	4793	0.125	ug/ml	96
94)	Di-n-butylphthalate	9.271	149	5118	0.121	ug/ml#	79
95)	Fluoranthene	9.781	202	7016	0.138	ug/ml#	92
96)	Benzidine	9.946	184	2944	0.102	ug/ml#	68
97)	Pyrene	9.989	202	7325	0.136	ug/ml	96
99)	Butyl benzyl phthalate	10.704	149	2048	0.114	ug/ml#	83
107)	Benzo(a)anthracene	11.179	228	7534	0.142	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.195	252	2367	0.121	ug/ml#	86
109)	Chrysene	11.217	228	7896	0.154	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.332	149	3348	0.119	ug/ml#	88
111)	Di-n-octylphthalate	11.994	149	5561	0.120	ug/ml#	55
112)	Benzo(b)fluoranthene	12.252	252	7346	0.135	ug/ml#	95
113)	Benzo(k)fluoranthene	12.277	252	7028	0.131	ug/ml#	92
114)	Benzo(a)pyrene	12.553	252	6027	0.121	ug/ml#	94
116)	Indeno(1,2,3-cd)pyrene	13.542	276	7287	0.131	ug/mL#	90
117)	Dibenzo(a,h)anthracene	13.566	278	6856	0.125	ug/ml#	92
118)	Benzo(ghi)perylene	13.747	276	7053	0.133	ug/ml#	88

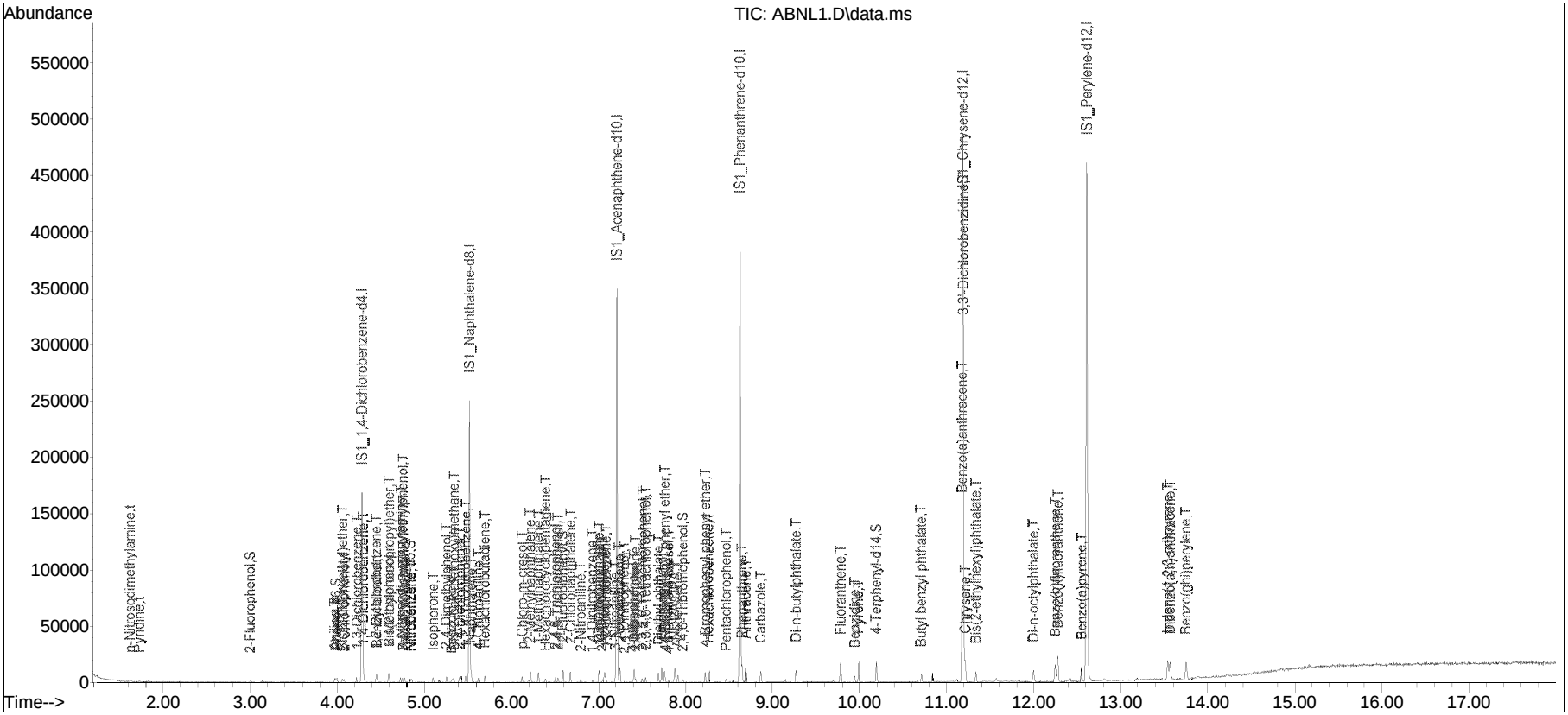
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

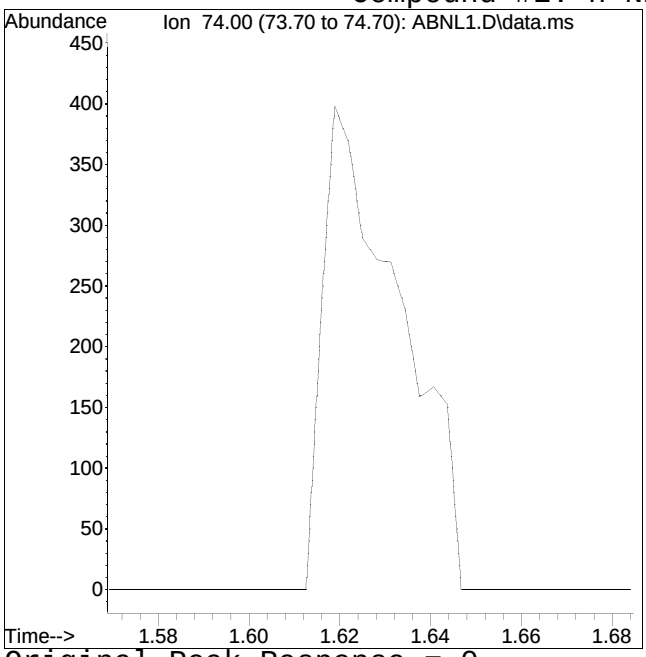
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



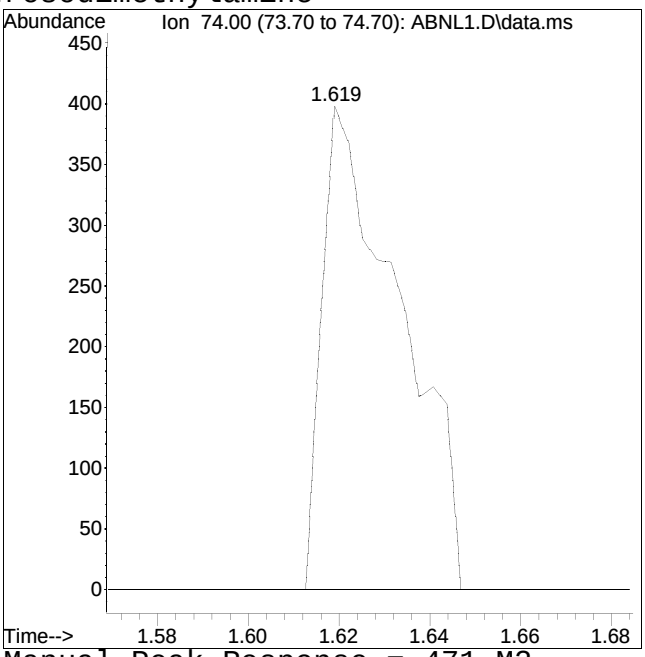
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #2: n-Nitrosodimethylamine



Original Peak Response = 0



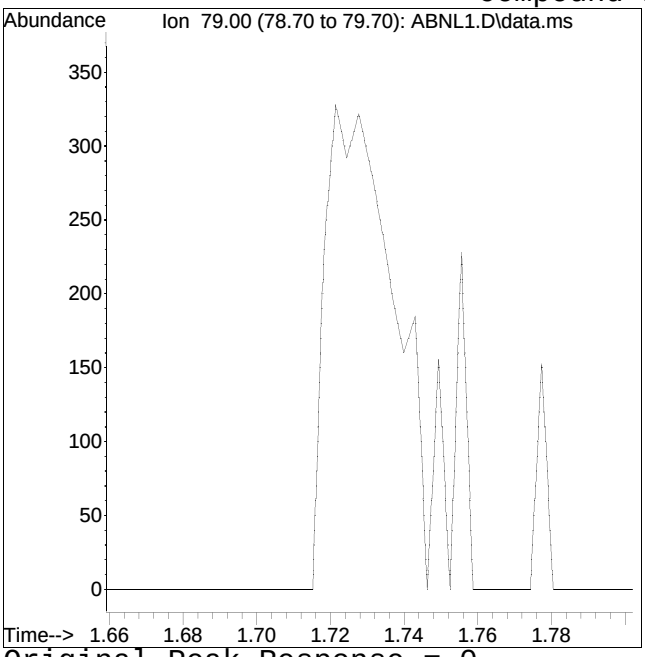
Manual Peak Response = 471 M2

M2 = Peak not found by automatic integration algorithm.

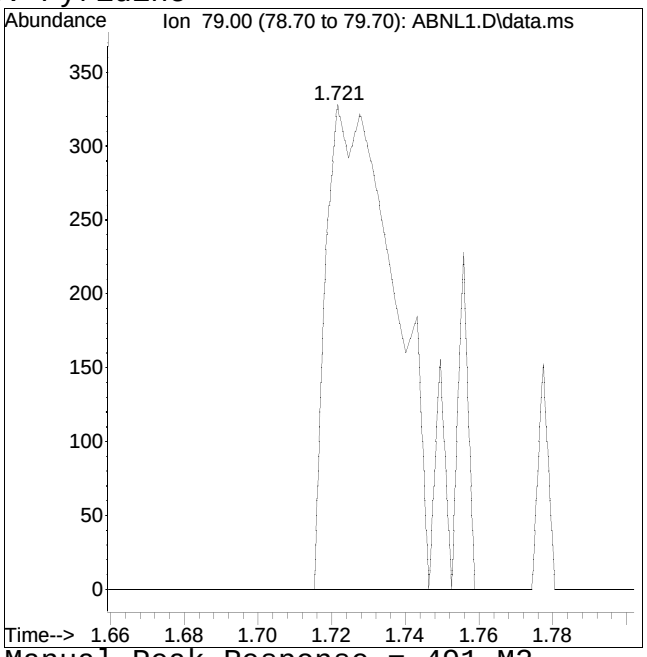
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #3: Pyridine



Original Peak Response = 0



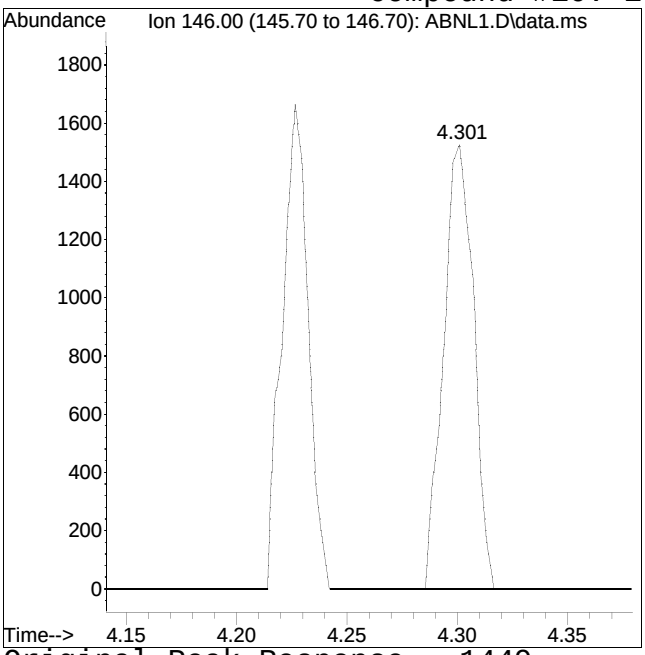
Manual Peak Response = 491 M2

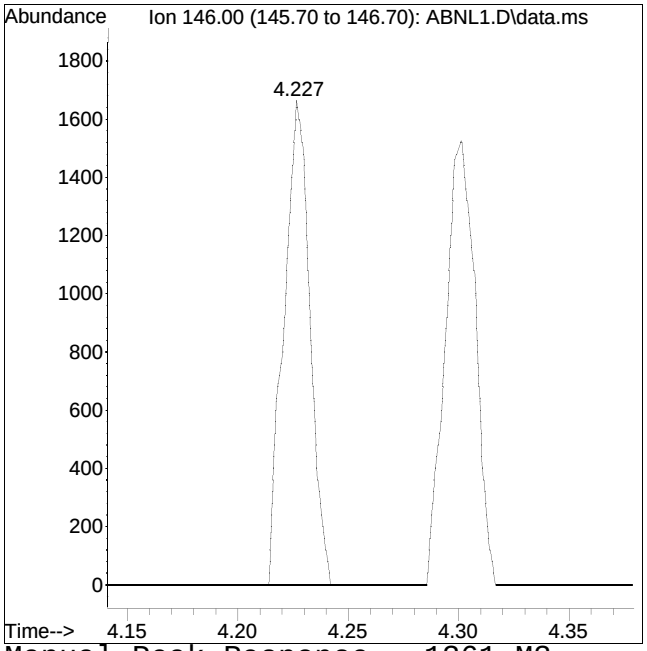
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL1.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 8:06 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1115Quant Date : 11/6/2024 8:35 am

Compound #10: 1,3-Dichlorobenzene





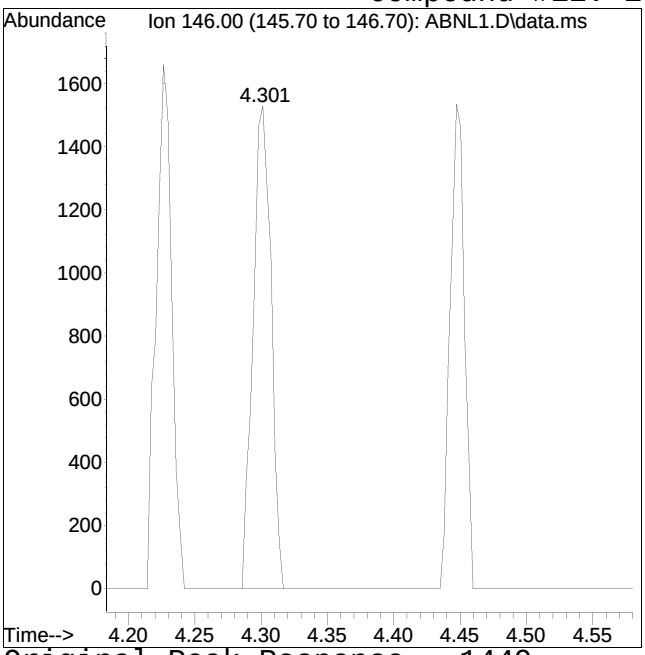
Original Peak Response = 1449 Manual Peak Response = 1361 M3

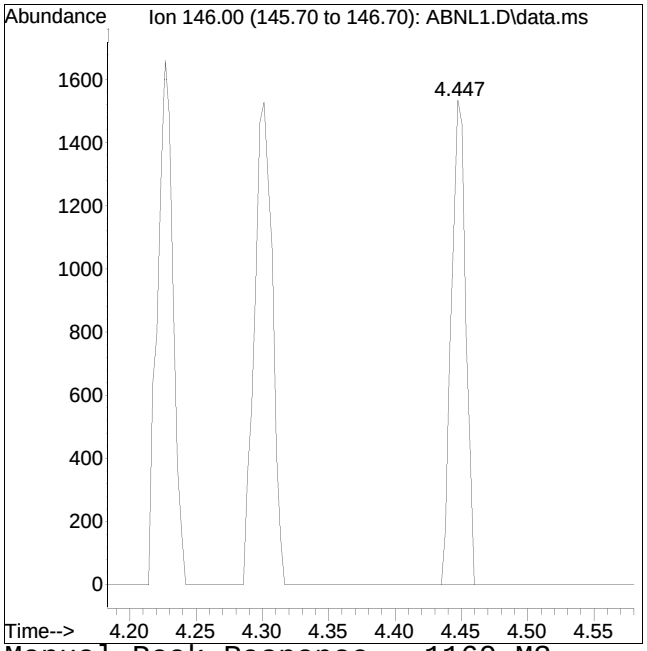
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #12: 1,2-Dichlorobenzene





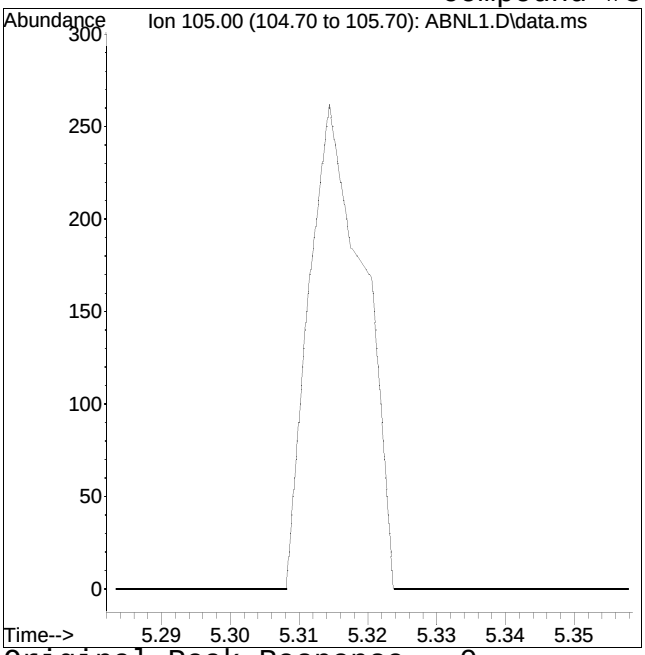
Original Peak Response = 1449 Manual Peak Response = 1160 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

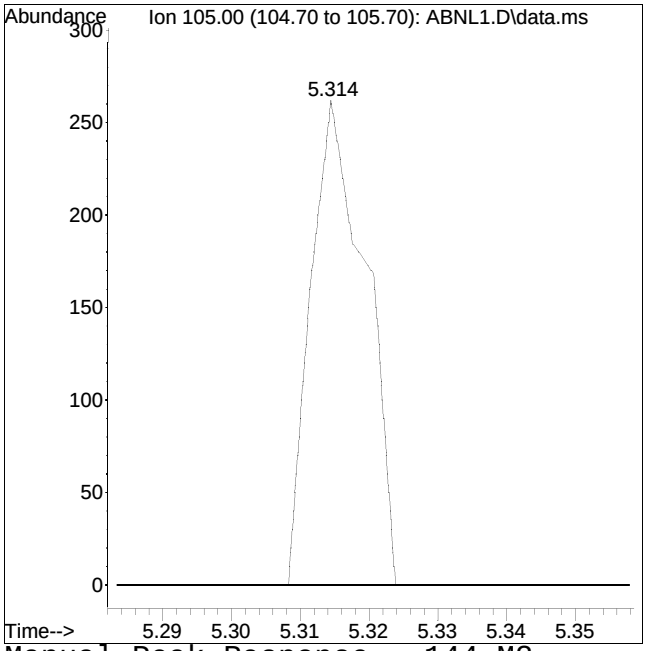
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #39: Benzoic Acid



Original Peak Response = 0



Manual Peak Response = 144 M2

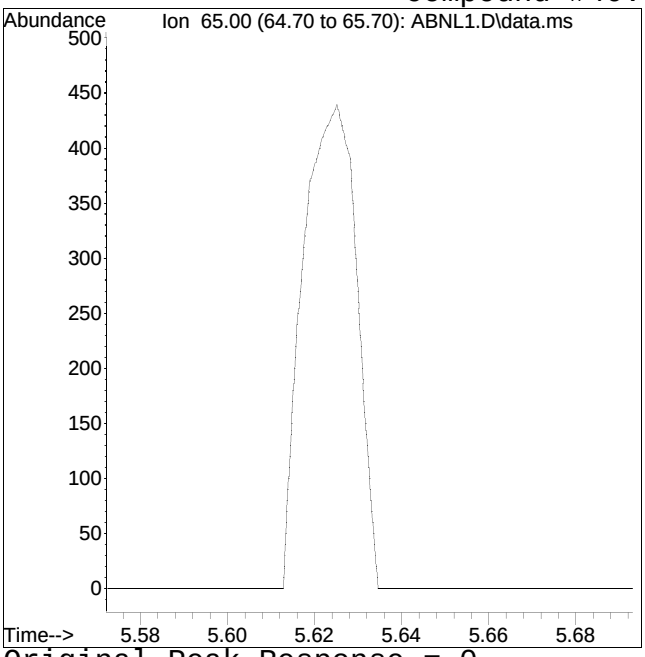
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

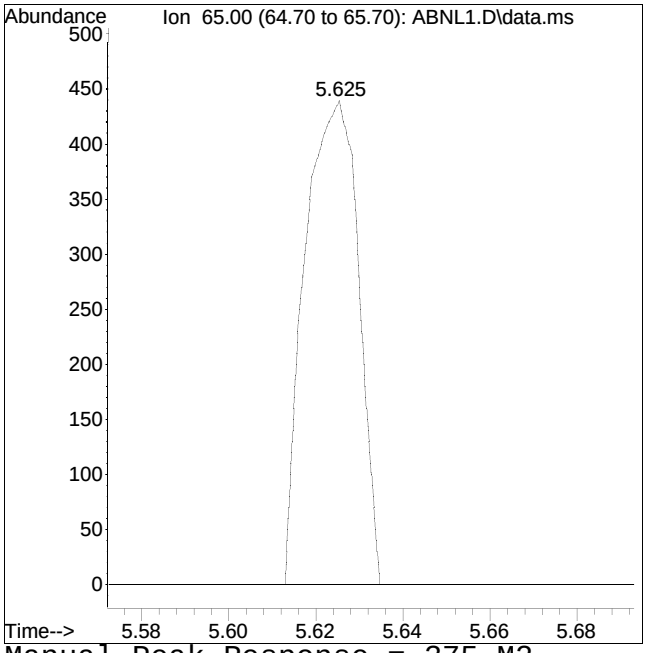
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #40: 4-Chloroaniline



Original Peak Response = 0



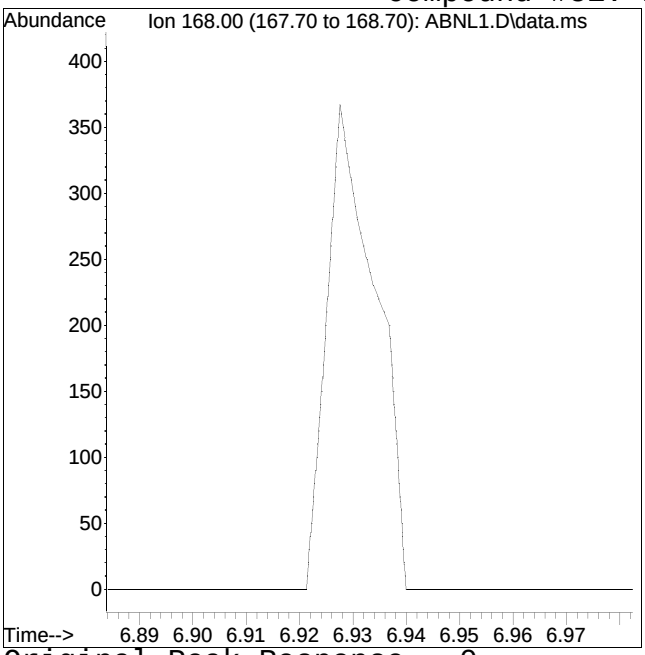
Manual Peak Response = 375 M2

M2 = Peak not found by automatic integration algorithm.

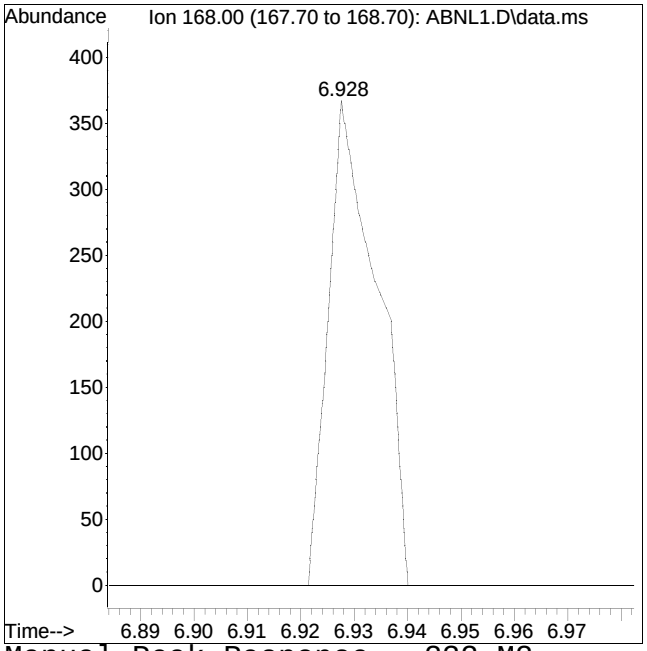
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #51: 1,4-Dinitrobenzene



Original Peak Response = 0



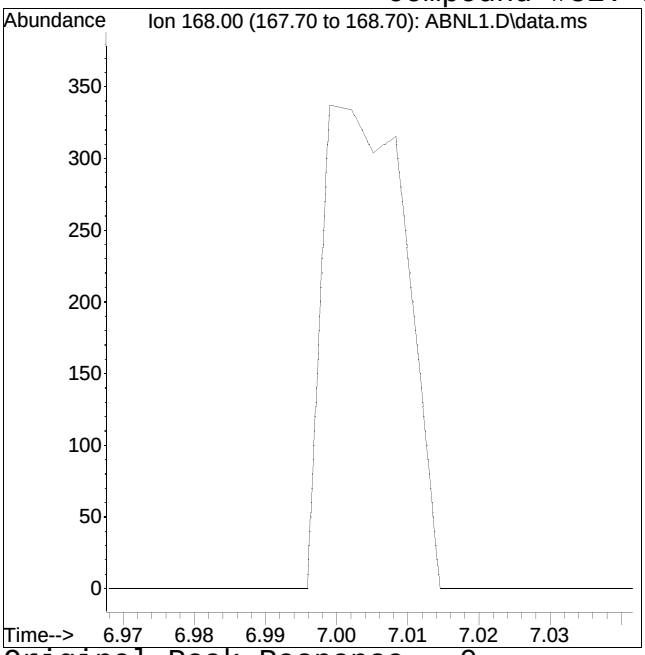
Manual Peak Response = 232 M2

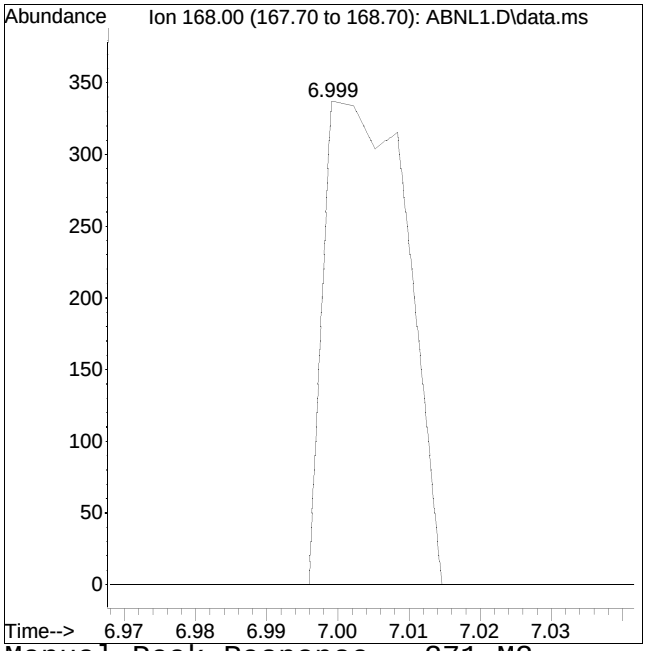
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #52: 1,3-Dinitrobenzene



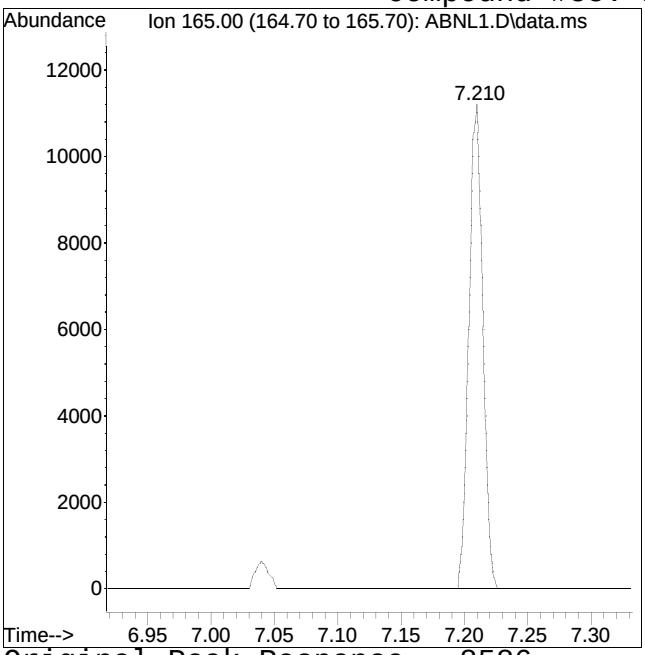


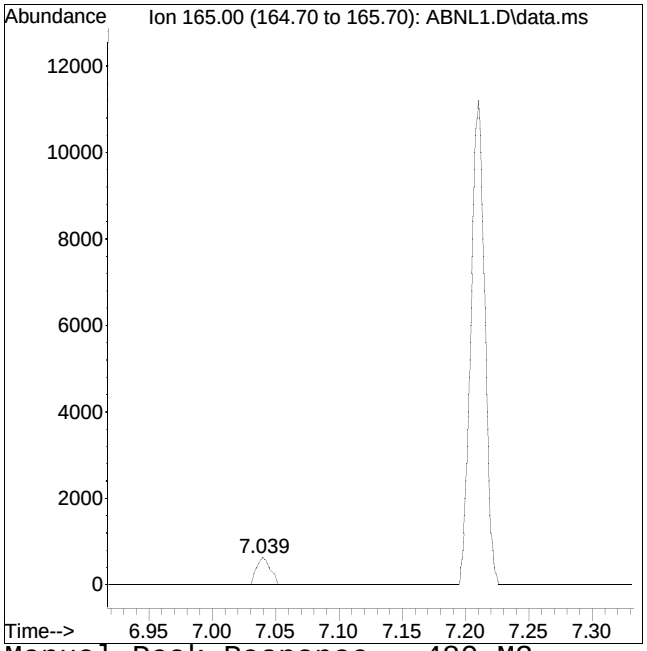
Original Peak Response = 0
Manual Peak Response = 271 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #55: 2,6-Dinitrotoluene





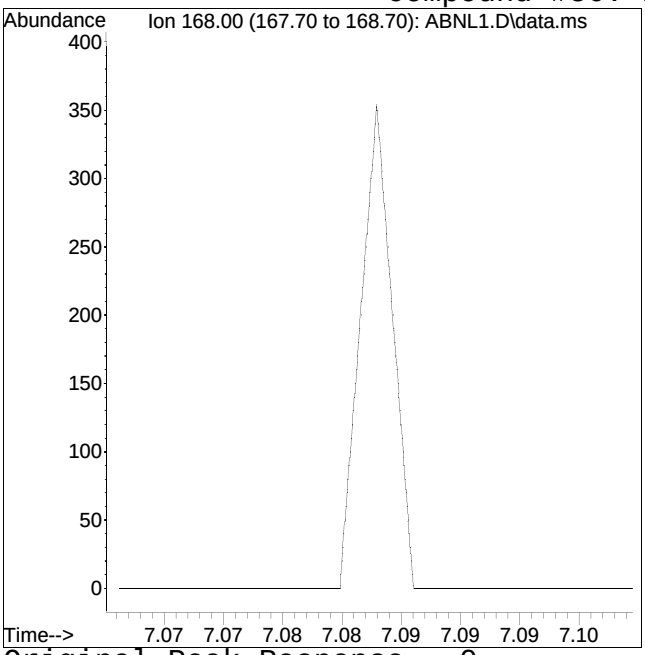
Original Peak Response = 8586 Manual Peak Response = 480 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

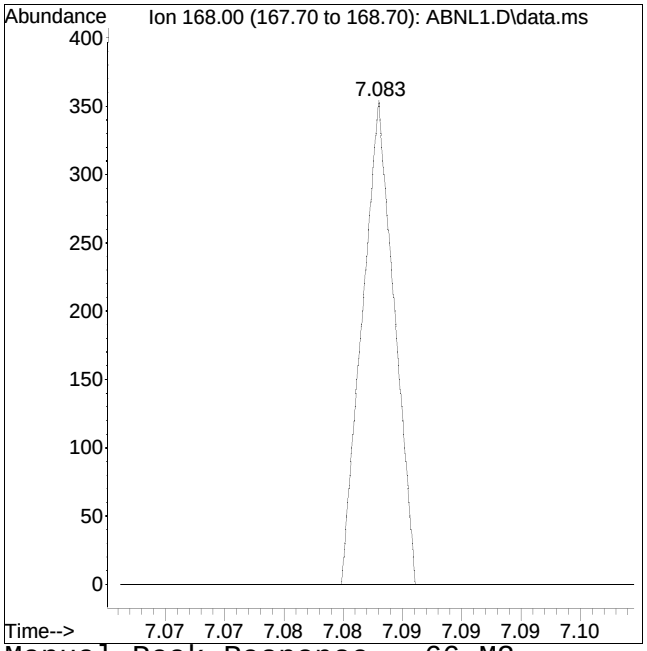
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #56: 1,2-Dinitrobenzene



Original Peak Response = 0



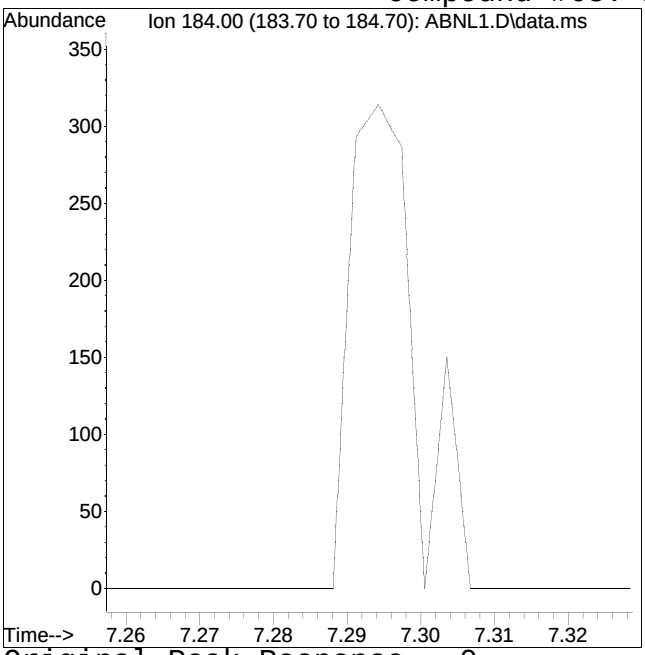
Manual Peak Response = 66 M2

M2 = Peak not found by automatic integration algorithm.

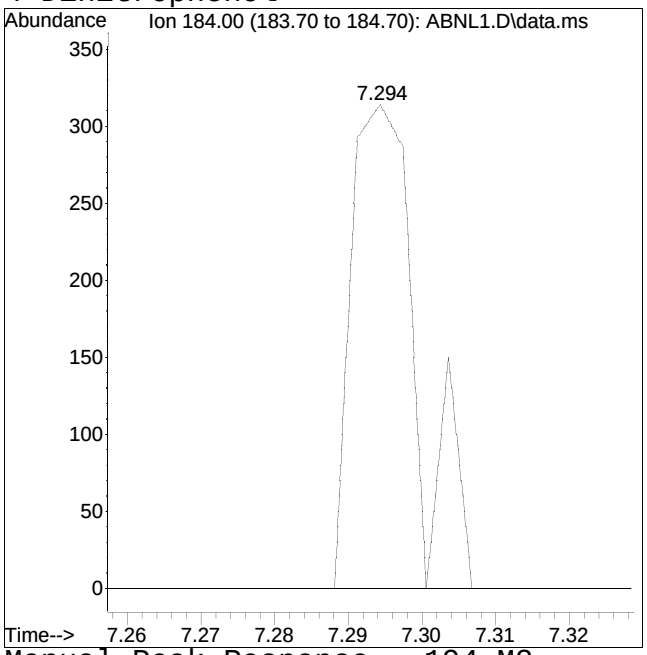
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #68: 2,4-Dinitrophenol



Original Peak Response = 0



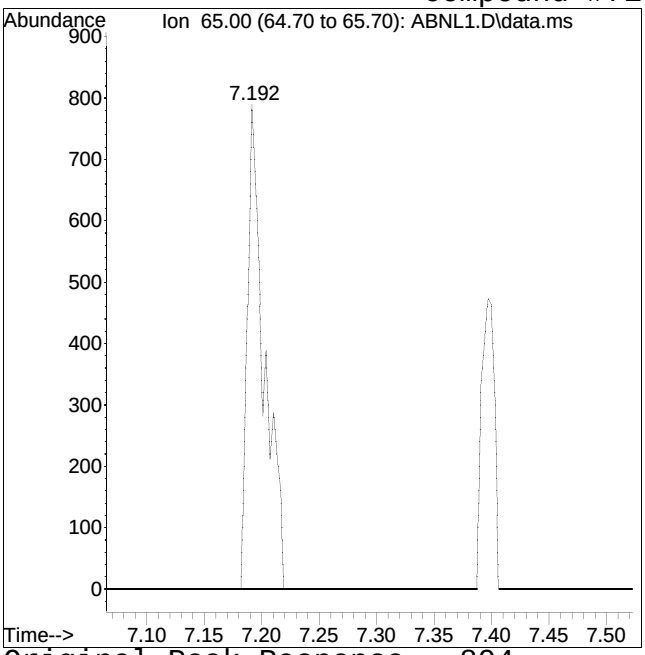
Manual Peak Response = 194 M2

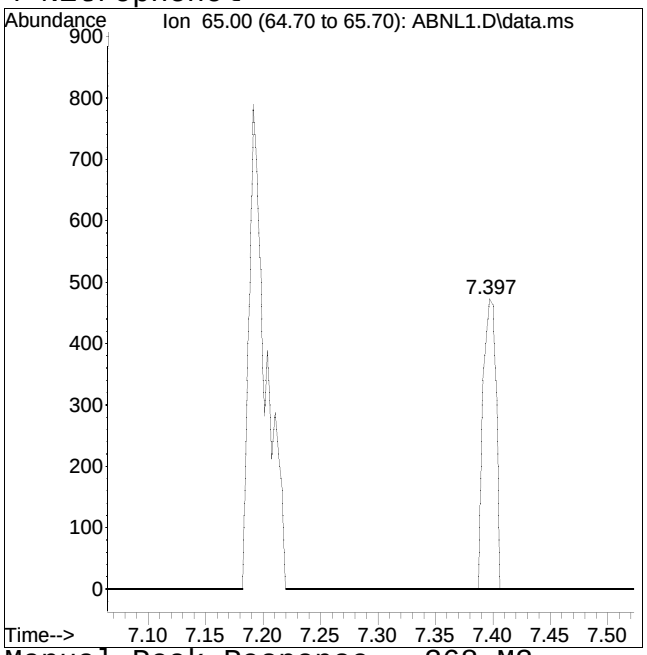
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #71: 4-Nitrophenol





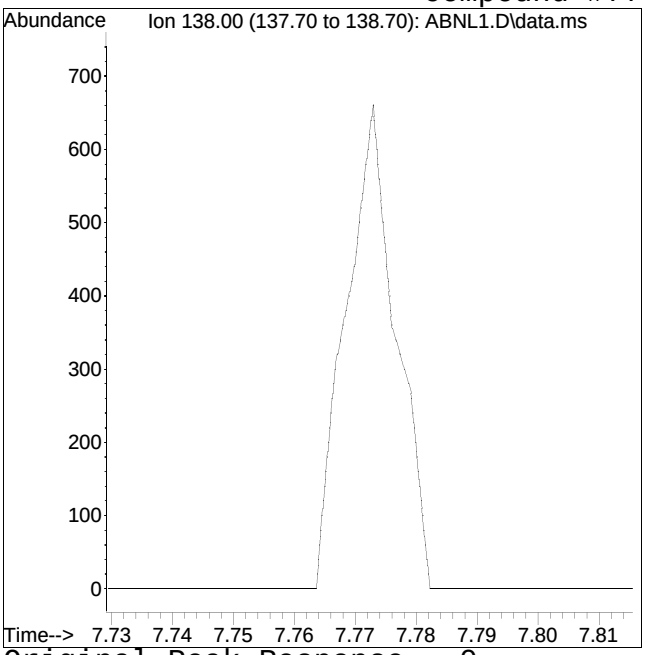
Original Peak Response = 804 Manual Peak Response = 368 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

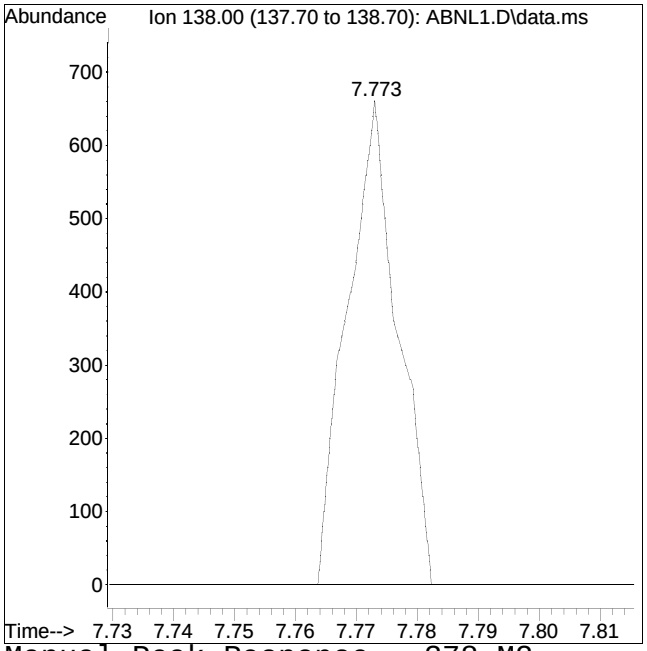
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #77: 4-Nitroaniline



Original Peak Response = 0



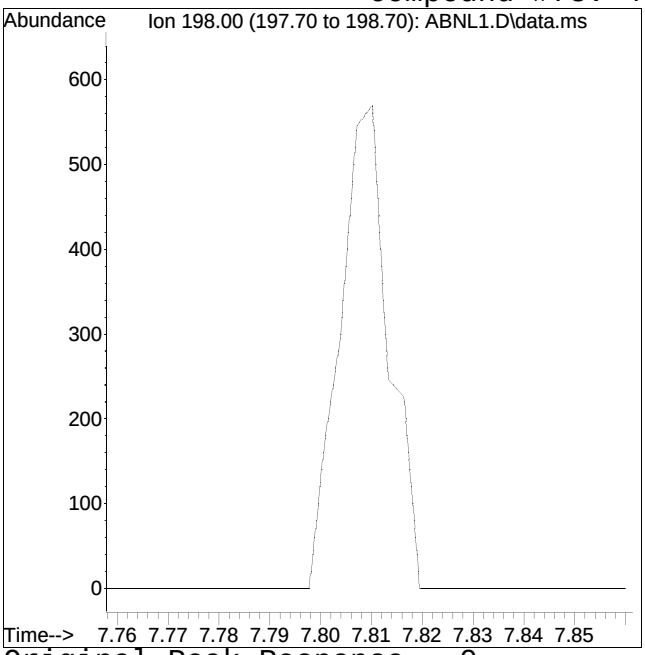
Manual Peak Response = 378 M2

M2 = Peak not found by automatic integration algorithm.

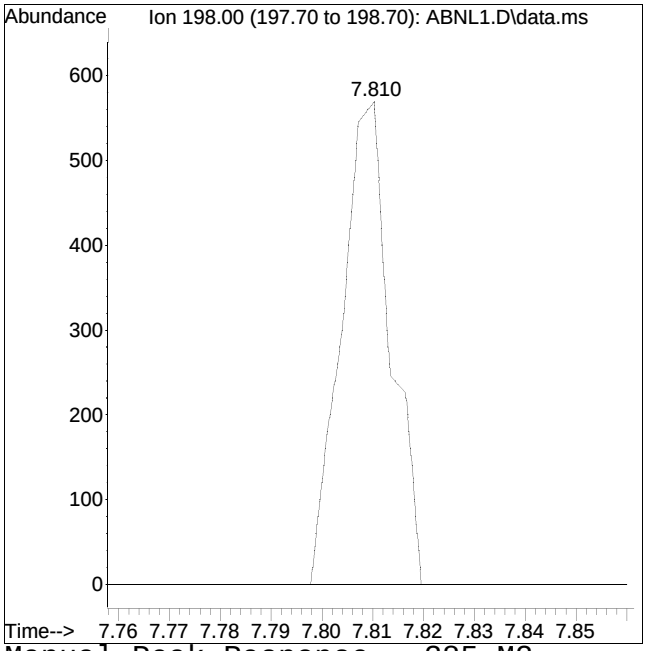
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #78: 4,6-Dinitro-o-cresol



Original Peak Response = 0



Manual Peak Response = 385 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L9.D
Acq On : 5 Nov 2024 8:29 pm
Operator : Dakota:HNY
Sample : IL2,32,,AP9L50 Lot# 11120
Misc : WG1994500
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 06 09:39:08 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.286	152	30987	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery =	109.33%			
57)	IS2_Naphthalene-d8	5.520	136	111920	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery =	113.57%			
85)	IS2_Acenaphthene-d10	7.210	164	71063	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery =	110.41%			
100)	IS2_Phenanthrene-d10	8.625	188	160716	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery =	112.79%			
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.844	105	304408	47.565	ug/ml		97
29)	Acetophenone	4.696	105	601234	50.020	ug/ml	#	80
30)	m-Toluidine	4.780	106	545570	50.658	ug/ml		95
31)	2-Chloroaniline	5.137	127	584754	51.772	ug/ml	#	91
58)	a-Terpineol	5.594	59	350560	49.690	ug/ml	#	80
59)	3-Chloroaniline	5.607	65	174464	46.089	ug/ml		90
60)	2,6-Dichlorophenol	5.632	162	460446	49.506	ug/ml	#	82
61)	1-chloro-2-nitrobenzene	5.880	111	185947	55.337	ug/ml	#	1
62)	Caprolactam	5.945	55	199011	47.711	ug/ml	#	75
63)	1,2,4,5-Tetrachloroben...	6.390	216	599935	44.098	ug/ml		97
64)	Biphenyl	6.682	154	1225314	44.550	ug/ml		96
86)	Dichloran	8.339	206	192620	58.409	ug/ml	#	59
87)	Pentachloronitrobenzene	8.482	237	196056	47.568	ug/ml	#	76
101)	Diphenamid	9.545	167	952562	48.801	ug/ml	#	75

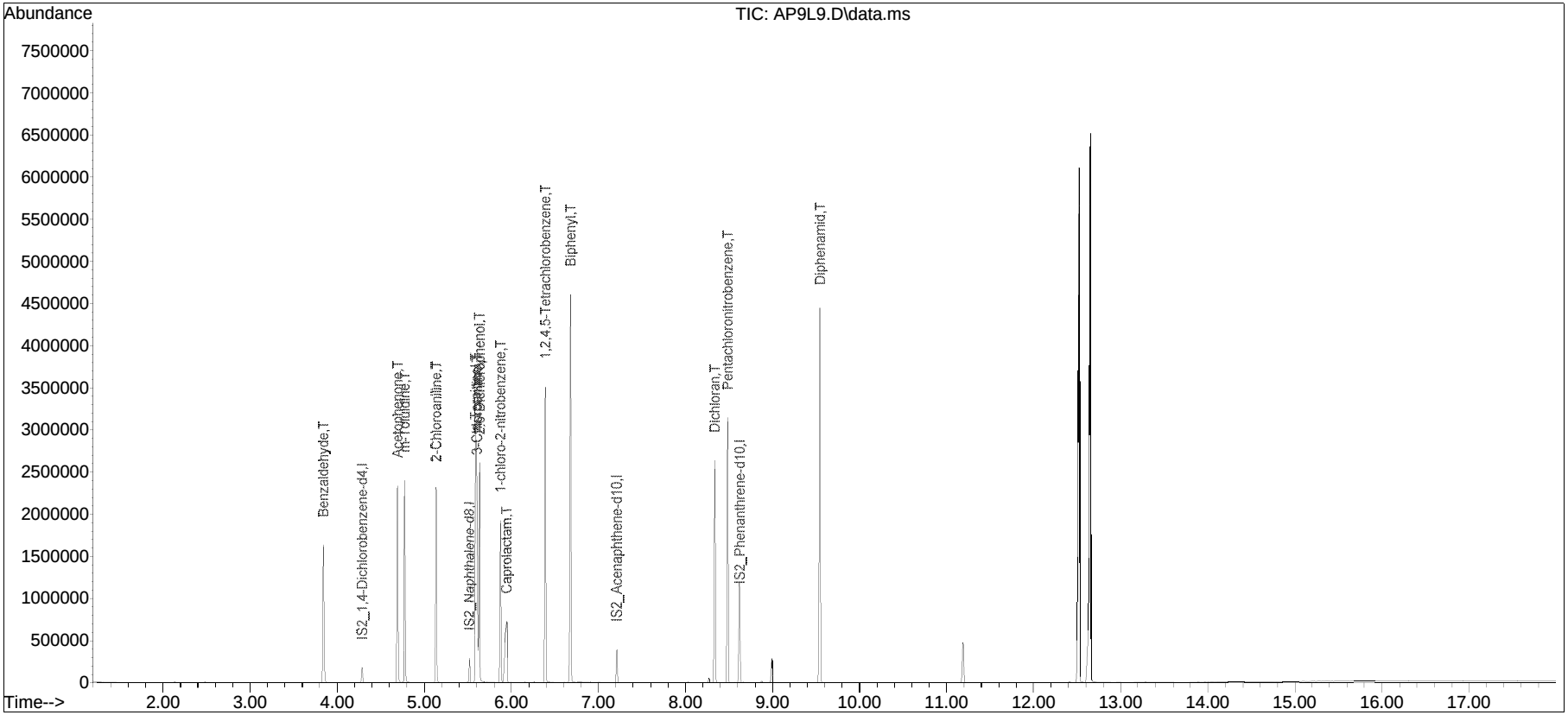
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L9.D
Acq On : 5 Nov 2024 8:29 pm
Operator : Dakota:HNY
Sample : IL2,32,,AP9L50 Lot# 11120
Misc : WG1994500
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 06 09:39:08 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L9.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 8:29 pm	Instrument	: Dakota
Sample	: IL2,32,,AP9L50 Lot# 11120	Quant Date	: 11/6/2024 8:39 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L8.D
Acq On : 5 Nov 2024 8:53 pm
Operator : Dakota:HNY
Sample : IL3,32,,AP9L25 Lot# 11121
Misc : WG1994500
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 06 09:38:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.282	152	29753	4.000	ug/ml		0.00
Standard Area 1 = 28342			Recovery =	104.98%			
57) IS2_Naphthalene-d8	5.519	136	106459	4.000	ug/ml	#	0.00
Standard Area 1 = 98544			Recovery =	108.03%			
85) IS2_Acenaphthene-d10	7.210	164	68191	4.000	ug/ml		0.00
Standard Area 1 = 64361			Recovery =	105.95%			
100) IS2_Phenanthrene-d10	8.624	188	151604	4.000	ug/ml		0.00
Standard Area 1 = 142493			Recovery =	106.39%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	3.844	105	151455	24.647	ug/ml		97
29) Acetophenone	4.693	105	299052	25.912	ug/ml	#	79
30) m-Toluidine	4.777	106	270898	26.197	ug/ml		95
31) 2-Chloroaniline	5.134	127	289933	26.734	ug/ml	#	91
58) a-Terpineol	5.591	59	173589	25.867	ug/ml	#	81
59) 3-Chloroaniline	5.603	65	86165	23.930	ug/ml		94
60) 2,6-Dichlorophenol	5.628	162	225556	25.495	ug/ml	#	82
61) 1-chloro-2-nitrobenzene	5.877	111	91193	28.531	ug/ml	#	1
62) Caprolactam	5.933	55	97330	24.531	ug/ml	#	73
63) 1,2,4,5-Tetrachloroben...	6.387	216	299740	23.163	ug/ml	#	96
64) Biphenyl	6.679	154	610900	23.350	ug/ml		97
86) Dichloran	8.335	206	91383	28.878	ug/ml	#	58
87) Pentachloronitrobenzene	8.482	237	93939	24.101	ug/ml	#	75
101) Diphenamid	9.538	167	468543	25.447	ug/ml	#	75

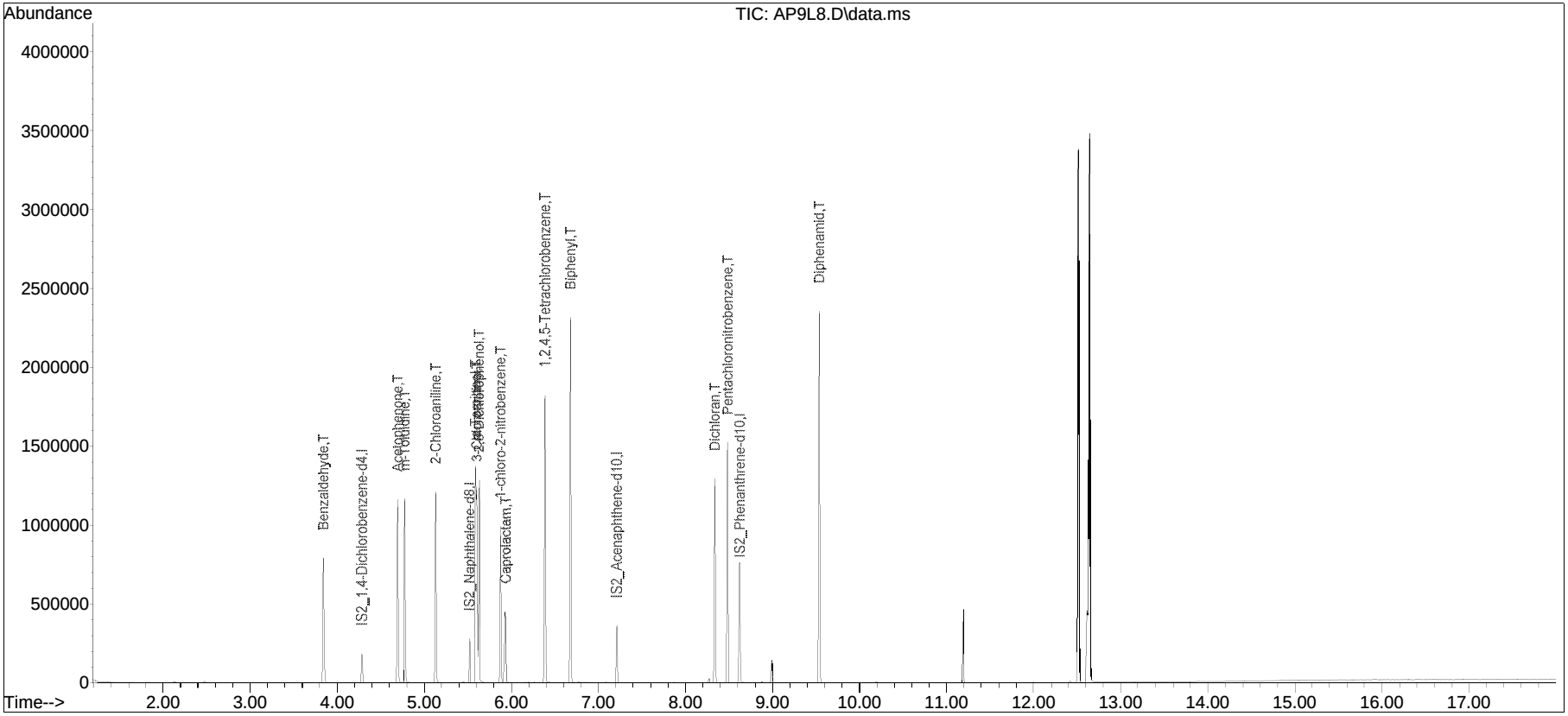
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L8.D
Acq On : 5 Nov 2024 8:53 pm
Operator : Dakota:HNY
Sample : IL3,32,,AP9L25 Lot# 11121
Misc : WG1994500
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 06 09:38:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L8.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 8:53 pm	Instrument	: Dakota
Sample	: IL3,32,,AP9L25 Lot# 11121	Quant Date	: 11/6/2024 8:39 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L7.D
Acq On : 5 Nov 2024 9:16 pm
Operator : Dakota:HNY
Sample : IL4,32,,AP9L10 Lot# 11122
Misc : WG1994500
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 06 09:37:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.283	152	28253	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery =	99.69%			
57)	IS2_Naphthalene-d8	5.520	136	102348	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery =	103.86%			
85)	IS2_Acenaphthene-d10	7.210	164	64900	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery =	100.84%			
100)	IS2_Phenanthrene-d10	8.622	188	142251	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery =	99.83%			
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.844	105	54373	9.318	ug/ml		97
29)	Acetophenone	4.693	105	107439	9.803	ug/ml	#	80
30)	m-Toluidine	4.777	106	98213	10.002	ug/ml		95
31)	2-Chloroaniline	5.134	127	103932	10.092	ug/ml	#	90
58)	a-Terpineol	5.588	59	61054	9.463	ug/ml	#	79
59)	3-Chloroaniline	5.600	65	30940	8.938	ug/ml		89
60)	2,6-Dichlorophenol	5.625	162	81177	9.544	ug/ml	#	81
61)	1-chloro-2-nitrobenzene	5.877	111	31835	10.360	ug/ml	#	1
62)	Caprolactam	5.921	55	33902	8.888	ug/ml	#	74
63)	1,2,4,5-Tetrachloroben...	6.387	216	106694	8.576	ug/ml	#	97
64)	Biphenyl	6.679	154	222491	8.846	ug/ml		97
86)	Dichloran	8.332	206	29962	9.948	ug/ml	#	58
87)	Pentachloronitrobenzene	8.479	237	30894	8.784	ug/ml	#	75
101)	Diphenamid	9.535	167	162112	9.383	ug/ml	#	75

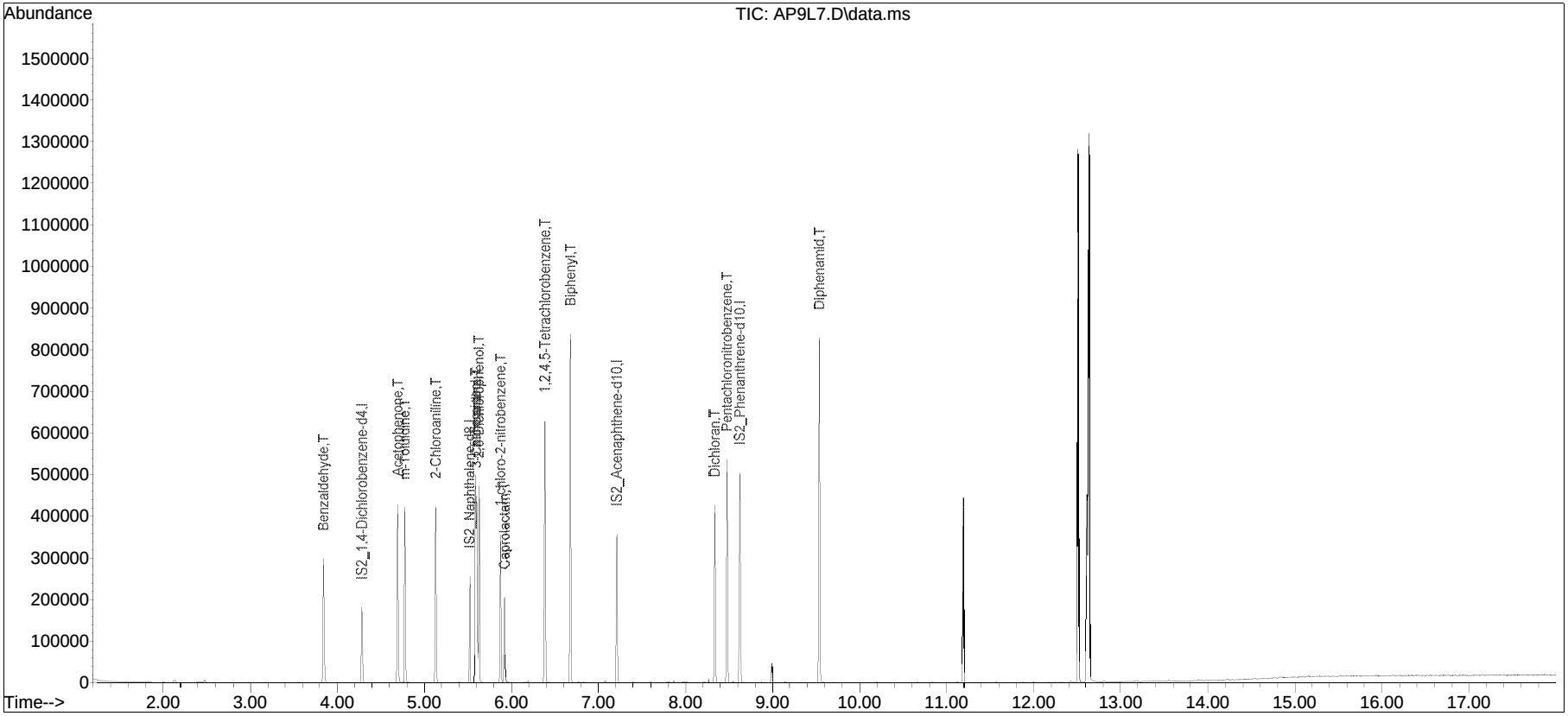
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L7.D
Acq On : 5 Nov 2024 9:16 pm
Operator : Dakota:HNY
Sample : IL4,32,,AP9L10 Lot# 11122
Misc : WG1994500
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 06 09:37:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L7.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 9:16 pm	Instrument	: Dakota
Sample	: IL4,32,,AP9L10 Lot# 11122	Quant Date	: 11/6/2024 8:38 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L6.D
Acq On : 5 Nov 2024 9:39 pm
Operator : Dakota:HNY
Sample : IL5,32,,AP9L5 Lot# 11123
Misc : WG1994500
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 06 09:37:30 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.282	152	28342	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery =	100.00%		
57) IS2_Naphthalene-d8	5.519	136	98544	4.000	ug/ml	# 0.00
Standard Area 1 = 98544			Recovery =	100.00%		
85) IS2_Acenaphthene-d10	7.210	164	64361	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery =	100.00%		
100) IS2_Phenanthrene-d10	8.621	188	142493	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.847	105	26993	4.611	ug/ml	97
29) Acetophenone	4.696	105	51821	4.714	ug/ml#	79
30) m-Toluidine	4.776	106	46870	4.758	ug/ml	94
31) 2-Chloroaniline	5.134	127	50567	4.895	ug/ml#	90
58) a-Terpineol	5.588	59	28933	4.658	ug/ml#	77
59) 3-Chloroaniline	5.600	65	15441	4.633	ug/ml	94
60) 2,6-Dichlorophenol	5.625	162	39296	4.798	ug/ml#	82
61) 1-chloro-2-nitrobenzene	5.877	111	15544	5.254	ug/ml#	1
62) Caprolactam	5.914	55	15648	4.261	ug/ml#	75
63) 1,2,4,5-Tetrachloroben...	6.386	216	53831	4.494	ug/ml#	95
64) Biphenyl	6.679	154	110500	4.563	ug/ml	98
86) Dichloran	8.332	206	13287	4.449	ug/ml#	60
87) Pentachloronitrobenzene	8.478	237	14522	4.530	ug/ml#	79
101) Diphenamid	9.535	167	77258	4.464	ug/ml#	75

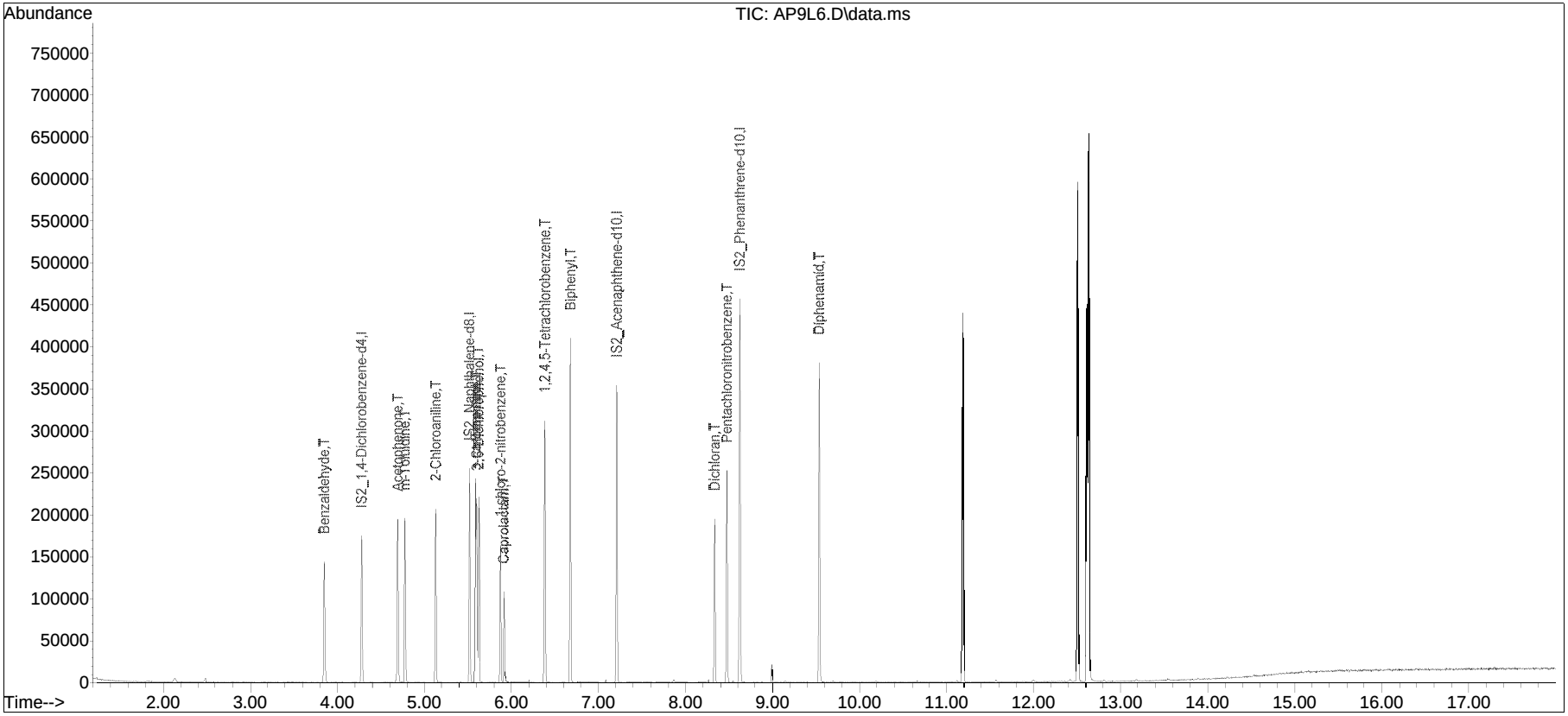
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L6.D
Acq On : 5 Nov 2024 9:39 pm
Operator : Dakota:HNY
Sample : IL5,32,,AP9L5 Lot# 11123
Misc : WG1994500
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 06 09:37:30 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L6.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 9:39 pm	Instrument	: Dakota
Sample	: IL5,32,,AP9L5 Lot# 11123	Quant Date	: 11/6/2024 8:38 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L5.D
Acq On : 5 Nov 2024 10:03 pm
Operator : Dakota:HNY
Sample : IL6,32,,AP9L2.5 Lot# 11124
Misc : WG1994500
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 06 09:36:56 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
27)	IS2_1,4-Dichlorobenzen...	4.283	152	28127	4.000	ug/ml	0.00
	Standard Area 1 = 28342			Recovery = 99.24%			
57)	IS2_Naphthalene-d8	5.520	136	101422	4.000	ug/ml	0.00
	Standard Area 1 = 98544			Recovery = 102.92%			
85)	IS2_Acenaphthene-d10	7.210	164	65158	4.000	ug/ml	0.00
	Standard Area 1 = 64361			Recovery = 101.24%			
100)	IS2_Phenanthrene-d10	8.622	188	143298	4.000	ug/ml	0.00
	Standard Area 1 = 142493			Recovery = 100.56%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
28)	Benzaldehyde	3.848	105	12268	2.112	ug/ml	99
29)	Acetophenone	4.696	105	23923	2.193	ug/ml#	81
30)	m-Toluidine	4.780	106	22093	2.260	ug/ml	93
31)	2-Chloroaniline	5.134	127	23952	2.336	ug/ml#	90
58)	a-Terpineol	5.588	59	13333	2.085	ug/ml#	75
59)	3-Chloroaniline	5.600	65	6723	1.960	ug/ml	84
60)	2,6-Dichlorophenol	5.625	162	18101	2.148	ug/ml#	79
61)	1-chloro-2-nitrobenzene	5.877	111	7212	2.368	ug/ml#	1
62)	Caprolactam	5.914	55	7181	1.900	ug/ml#	72
63)	1,2,4,5-Tetrachloroben...	6.387	216	25415	2.062	ug/ml#	96
64)	Biphenyl	6.679	154	52147	2.092	ug/ml	97
86)	Dichloran	8.332	206	5931	1.961	ug/ml#	62
87)	Pentachloronitrobenzene	8.479	237	6694	2.442	ug/ml#	77
101)	Diphenamid	9.535	167	34942	2.008	ug/ml#	74

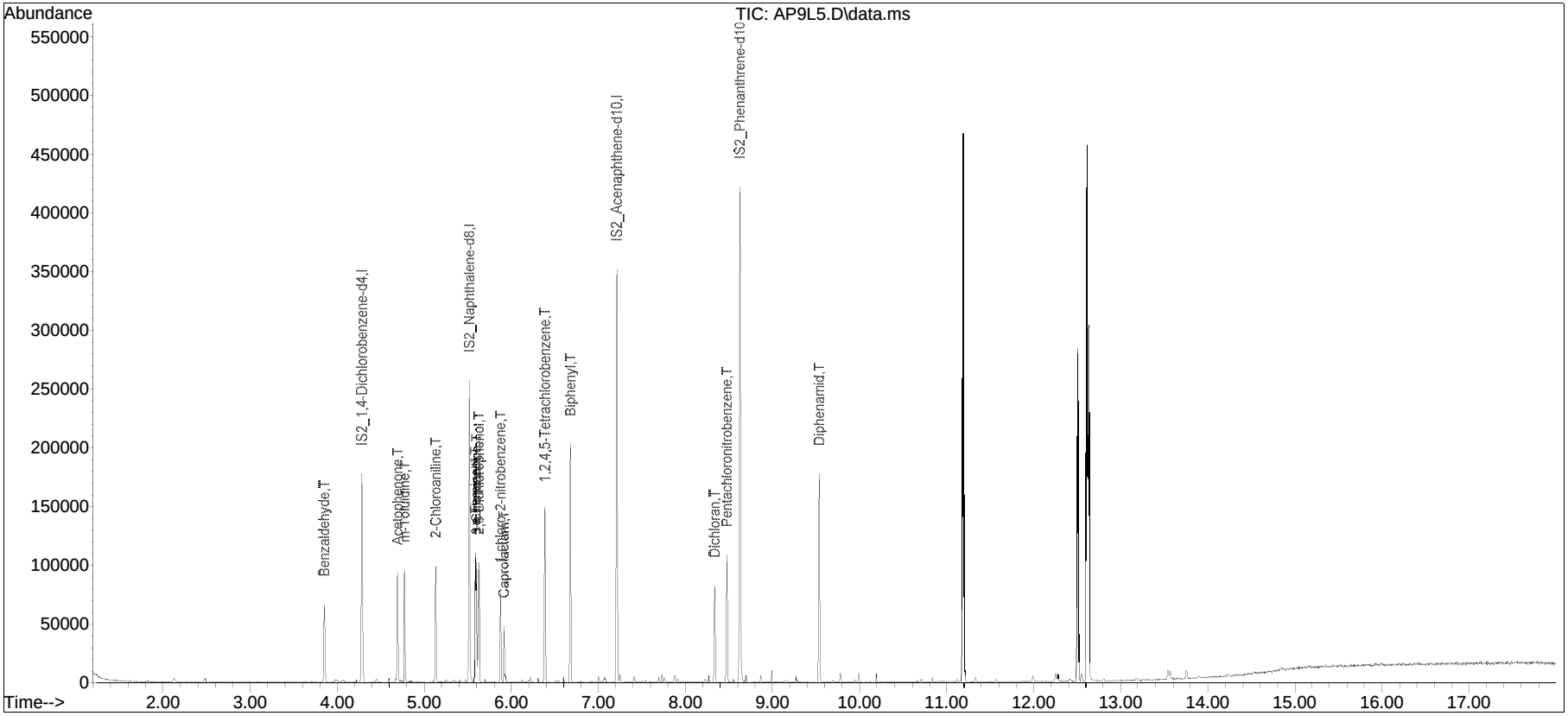
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L5.D
Acq On : 5 Nov 2024 10:03 pm
Operator : Dakota:HNY
Sample : IL6,32,,AP9L2.5 Lot# 11124
Misc : WG1994500
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 06 09:36:56 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L5.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 10:03 pm	Instrument	: Dakota
Sample	: IL6,32,,AP9L2.5 Lot# 11124	Quant Date	: 11/6/2024 8:38 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L4.D
Acq On : 5 Nov 2024 10:26 pm
Operator : Dakota:HNY
Sample : IL7,32,,AP9L1 Lot# 11125
Misc : WG1994500
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 09:36:17 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.282	152	28739	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery =	101.40%		
57) IS2_Naphthalene-d8	5.520	136	102925	4.000	ug/ml	# 0.00
Standard Area 1 = 98544			Recovery =	104.45%		
85) IS2_Acenaphthene-d10	7.210	164	64341	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery =	99.97%		
100) IS2_Phenanthrene-d10	8.621	188	144463	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery =	101.38%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.850	105	5052	0.851	ug/ml	94
29) Acetophenone	4.699	105	9554	0.857	ug/ml#	80
30) m-Toluidine	4.780	106	7848	0.786	ug/ml	96
31) 2-Chloroaniline	5.134	127	9085	0.867	ug/ml#	91
58) a-Terpineol	5.588	59	5487	0.846	ug/ml#	84
59) 3-Chloroaniline	5.603	65	2869	0.824	ug/ml	93
60) 2,6-Dichlorophenol	5.625	162	7133	0.834	ug/ml#	81
61) 1-chloro-2-nitrobenzene	5.880	111	2926	0.947	ug/ml#	1
62) Caprolactam	5.914	55	2946	0.768	ug/ml#	87
63) 1,2,4,5-Tetrachloroben...	6.387	216	10121	0.809	ug/ml	98
64) Biphenyl	6.679	154	20682	0.818	ug/ml	95
86) Dichloran	8.332	206	2292	0.768	ug/ml#	57
87) Pentachloronitrobenzene	8.475	237	2782	1.432	ug/ml#	70
101) Diphenamid	9.535	167	13612	0.776	ug/ml#	72

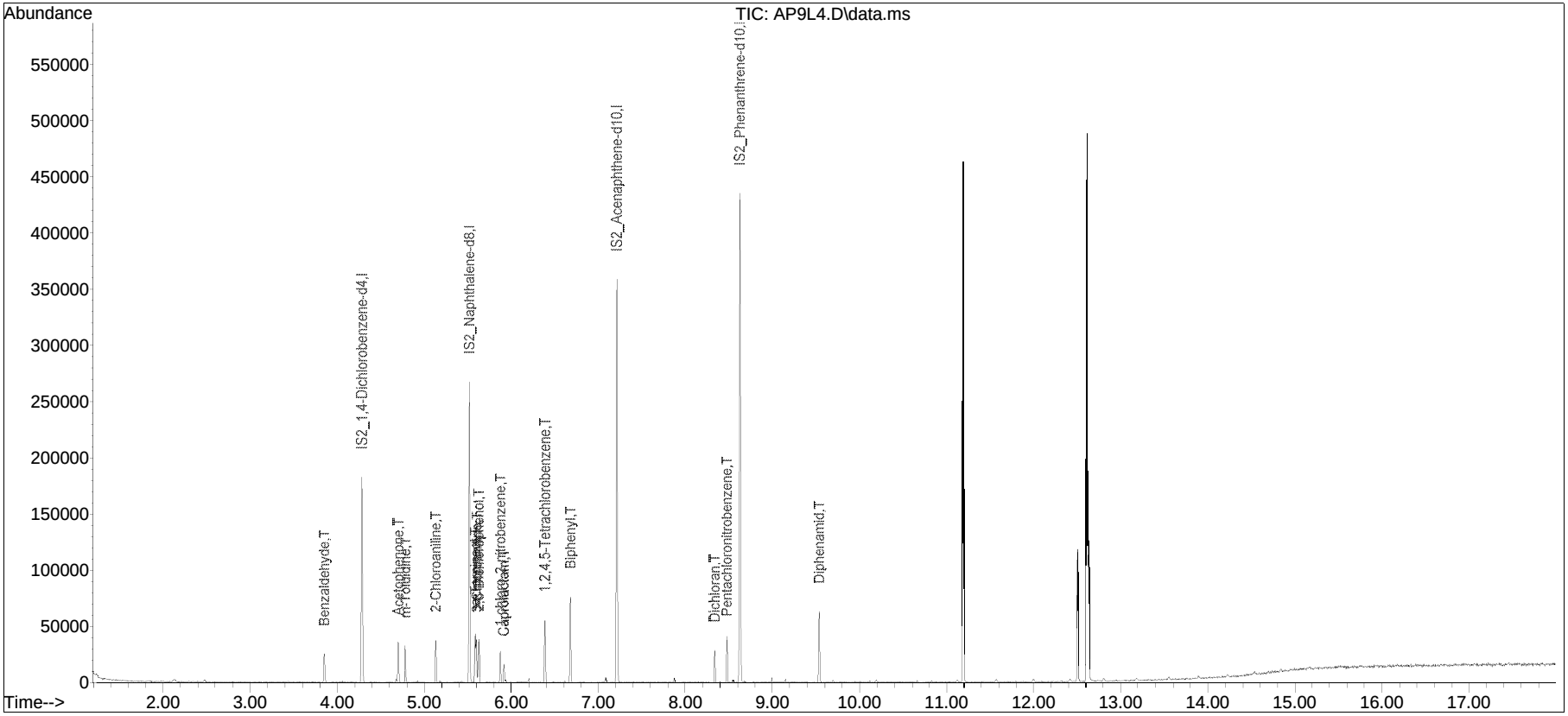
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L4.D
Acq On : 5 Nov 2024 10:26 pm
Operator : Dakota:HNY
Sample : IL7,32,,AP9L1 Lot# 11125
Misc : WG1994500
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 09:36:17 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L4.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 10:26 pm	Instrument	: Dakota
Sample	: IL7,32,,AP9L1 Lot# 11125	Quant Date	: 11/6/2024 8:38 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L3.D
Acq On : 5 Nov 2024 10:49 pm
Operator : Dakota:HNY
Sample : IL8,32,,AP9L0.5 Lot# 11126
Misc : WG1994500
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 09:35:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
27)	IS2_1,4-Dichlorobenzen...	4.282	152	27039	4.000	ug/ml	0.00
	Standard Area 1 = 28342			Recovery = 95.40%			
57)	IS2_Naphthalene-d8	5.519	136	97334	4.000	ug/ml	0.00
	Standard Area 1 = 98544			Recovery = 98.77%			
85)	IS2_Acenaphthene-d10	7.210	164	61265	4.000	ug/ml	0.00
	Standard Area 1 = 64361			Recovery = 95.19%			
100)	IS2_Phenanthrene-d10	8.621	188	138508	4.000	ug/ml	0.00
	Standard Area 1 = 142493			Recovery = 97.20%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
28)	Benzaldehyde	3.850	105	2360	0.423	ug/ml	98
29)	Acetophenone	4.696	105	4756	0.453	ug/ml#	77
30)	m-Toluidine	4.780	106	3649	0.388	ug/ml#	86
31)	2-Chloroaniline	5.134	127	4626	0.469	ug/ml#	88
58)	a-Terpineol	5.588	59	2579	0.420	ug/ml#	74
59)	3-Chloroaniline	5.600	65	1366	0.415	ug/ml	93
60)	2,6-Dichlorophenol	5.625	162	3612	0.447	ug/ml#	77
61)	1-chloro-2-nitrobenzene	5.877	111	1392	0.476	ug/ml#	1
62)	Caprolactam	5.917	55	1361	0.375	ug/ml#	82
63)	1,2,4,5-Tetrachloroben...	6.387	216	5052	0.427	ug/ml#	94
64)	Biphenyl	6.679	154	10707	0.448	ug/ml	96
86)	Dichloran	8.332	206	1010	0.355	ug/ml#	61
87)	Pentachloronitrobenzene	8.478	237	1199	1.030	ug/ml#	76
101)	Diphenamid	9.535	167	6787	0.403	ug/ml#	75

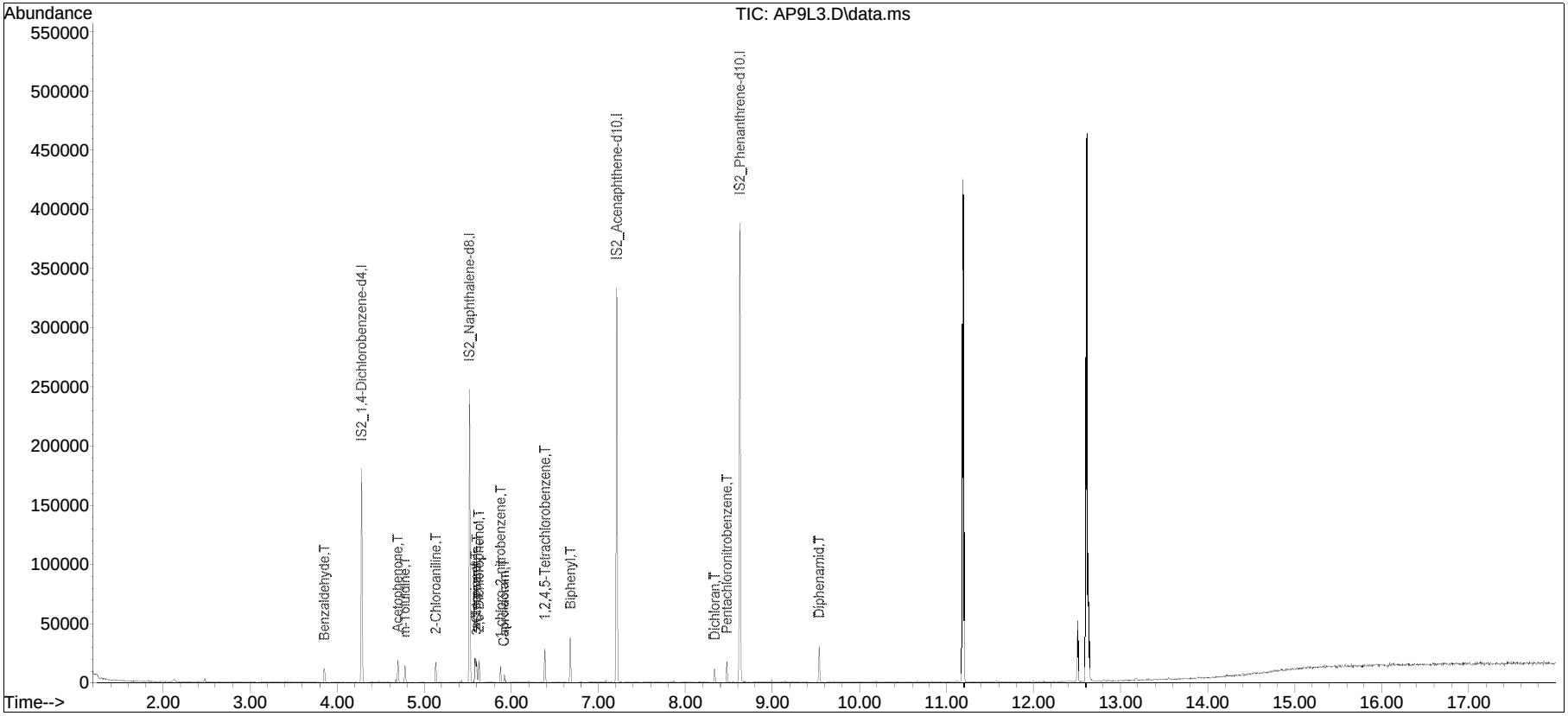
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L3.D
Acq On : 5 Nov 2024 10:49 pm
Operator : Dakota:HNY
Sample : IL8,32,,AP9L0.5 Lot# 11126
Misc : WG1994500
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 09:35:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L3.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 10:49 pm	Instrument	: Dakota
Sample	: IL8,32,,AP9L0.5 Lot# 11126	Quant Date	: 11/6/2024 8:37 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L2.D
Acq On : 5 Nov 2024 11:13 pm
Operator : Dakota:HNY
Sample : IL9,32,,AP9L0.2 Lot# 11127
Misc : WG1994500
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 06 09:35:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.282	152	27477	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery = 96.95%				
57)	IS2_Naphthalene-d8	5.519	136	98352	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery = 99.81%				
85)	IS2_Acenaphthene-d10	7.210	164	62816	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery = 97.60%				
100)	IS2_Phenanthrene-d10	8.621	188	141690	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery = 99.44%				
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.854	105	776	0.137	ug/ml		90
29)	Acetophenone	4.699	105	1761	0.165	ug/ml	#	39
30)	m-Toluidine	4.783	106	852	0.089	ug/ml	#	88
31)	2-Chloroaniline	5.134	127	1745	0.174	ug/ml	#	42
58)	a-Terpineol	5.591	59	1032	0.166	ug/ml	#	83
59)	3-Chloroaniline	5.600	65	425M2	0.128	ug/ml		
60)	2,6-Dichlorophenol	5.628	162	1208	0.148	ug/ml	#	82
61)	1-chloro-2-nitrobenzene	5.877	111	446M2	0.151	ug/ml		
62)	Caprolactam	5.930	55	508M2	0.139	ug/ml		
63)	1,2,4,5-Tetrachloroben...	6.383	216	2062	0.172	ug/ml	#	81
64)	Biphenyl	6.679	154	3880	0.161	ug/ml		93
86)	Dichloran	8.332	206	473M2	0.162	ug/ml		
87)	Pentachloronitrobenzene	8.478	237	438M2	0.816	ug/ml		
101)	Diphenamid	9.535	167	2689	0.156	ug/ml	#	71

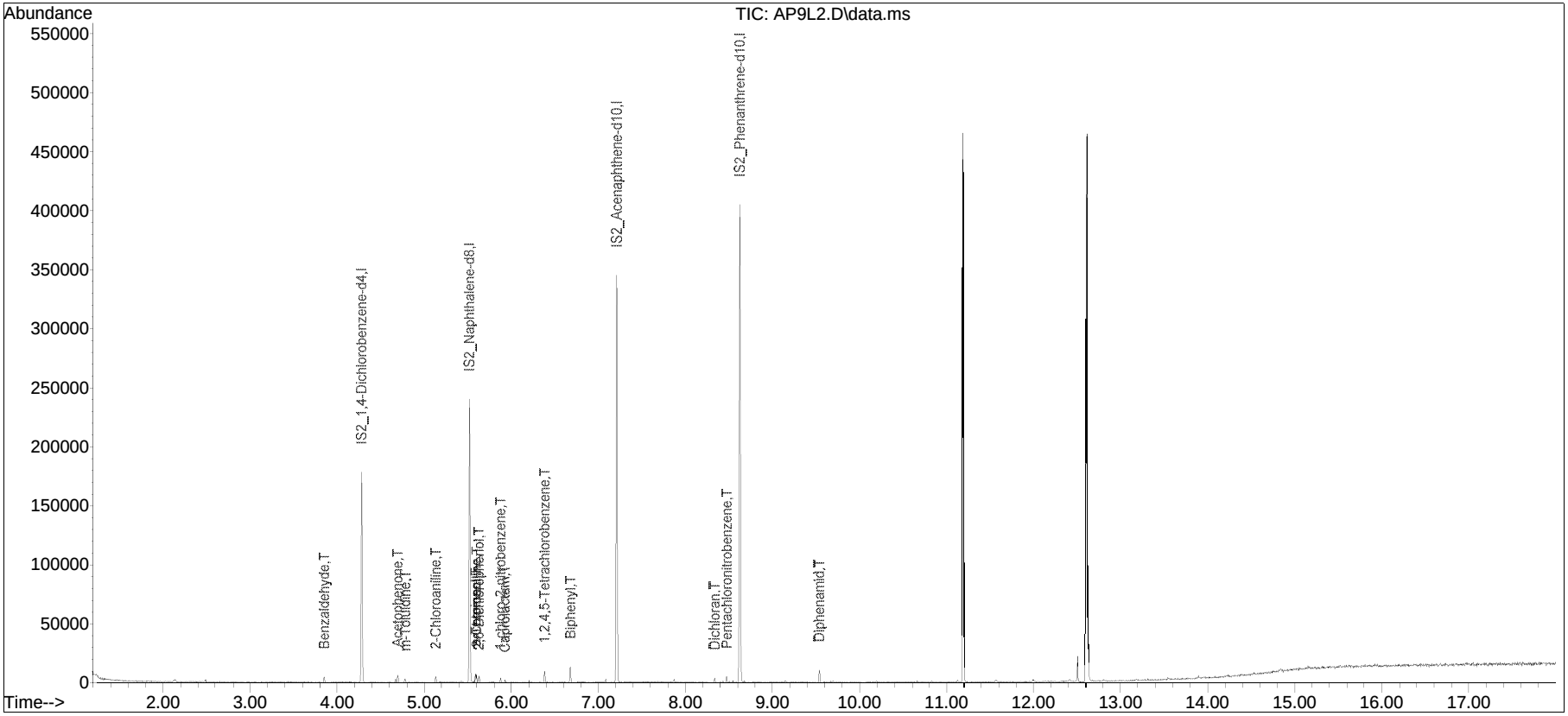
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L2.D
Acq On : 5 Nov 2024 11:13 pm
Operator : Dakota:HNY
Sample : IL9,32,,AP9L0.2 Lot# 11127
Misc : WG1994500
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 06 09:35:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

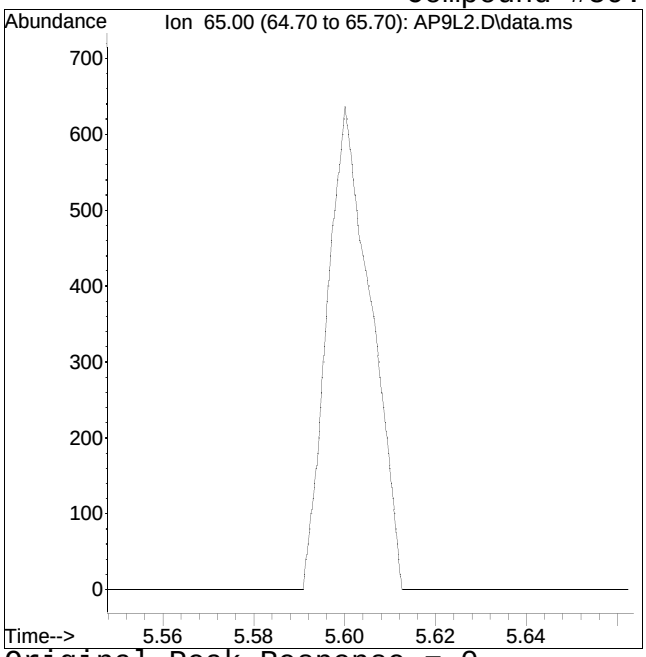
Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•

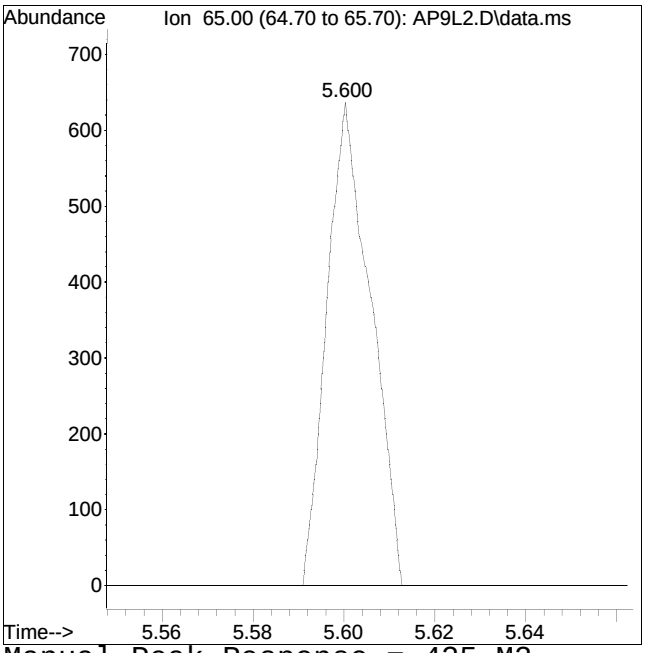


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #59: 3-Chloroaniline



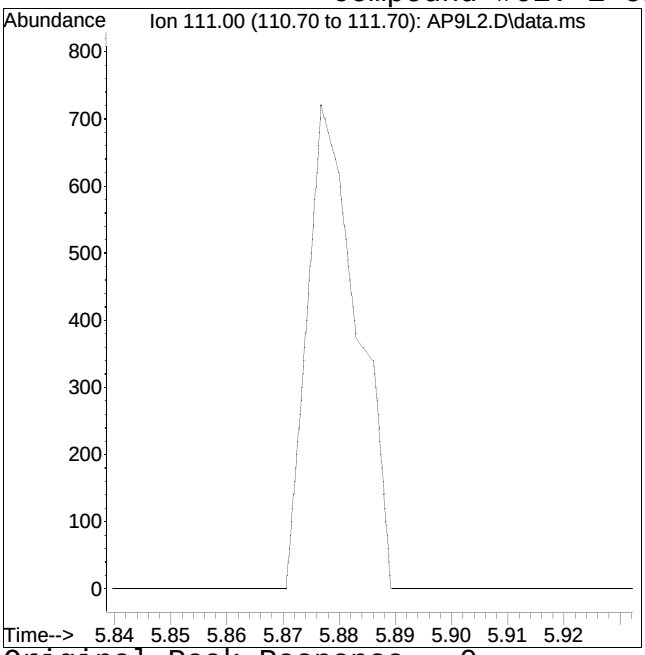


Original Peak Response = 0
Manual Peak Response = 425 M2
M2 = Peak not found by automatic integration algorithm.

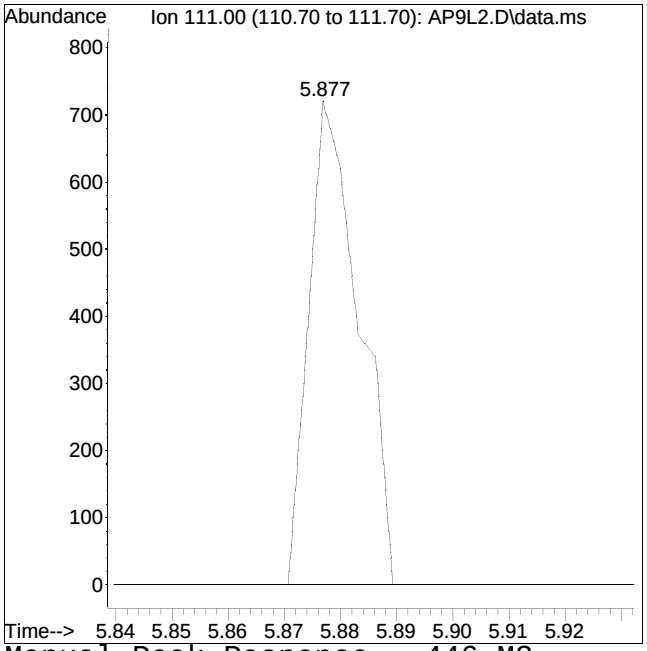
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #61: 1-chloro-2-nitrobenzene



Original Peak Response = 0



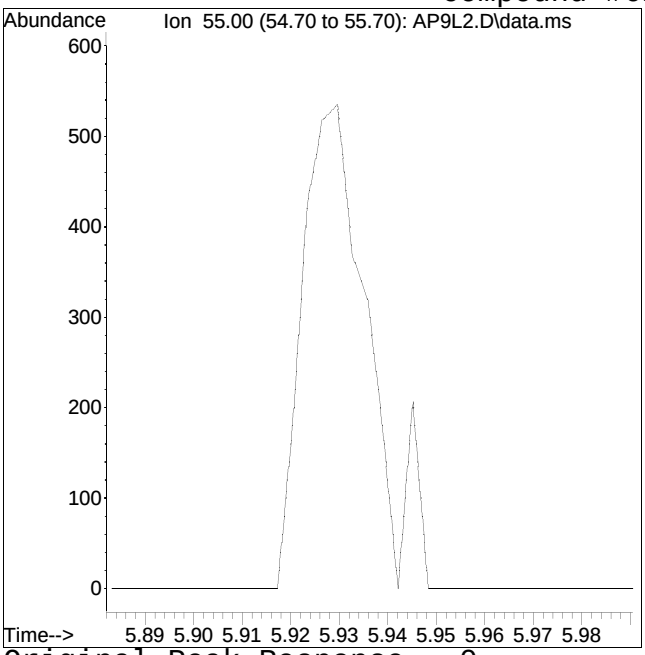
Manual Peak Response = 446 M2

M2 = Peak not found by automatic integration algorithm.

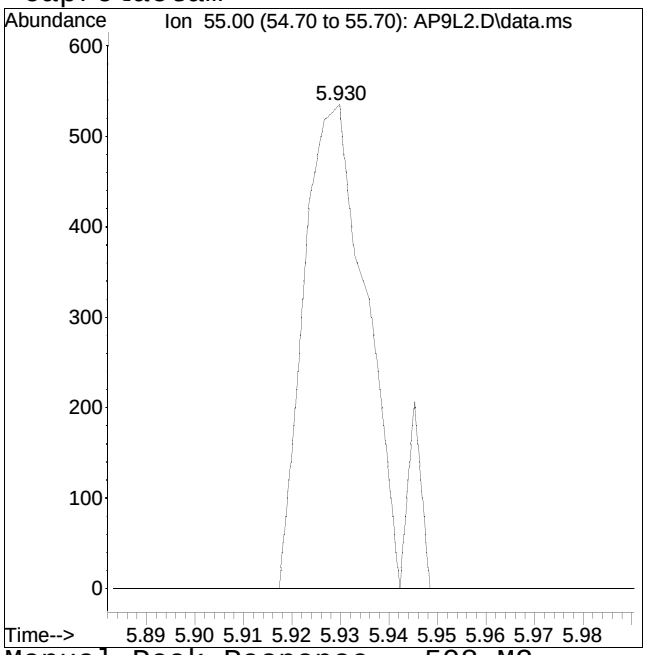
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #62: Caprolactam



Original Peak Response = 0



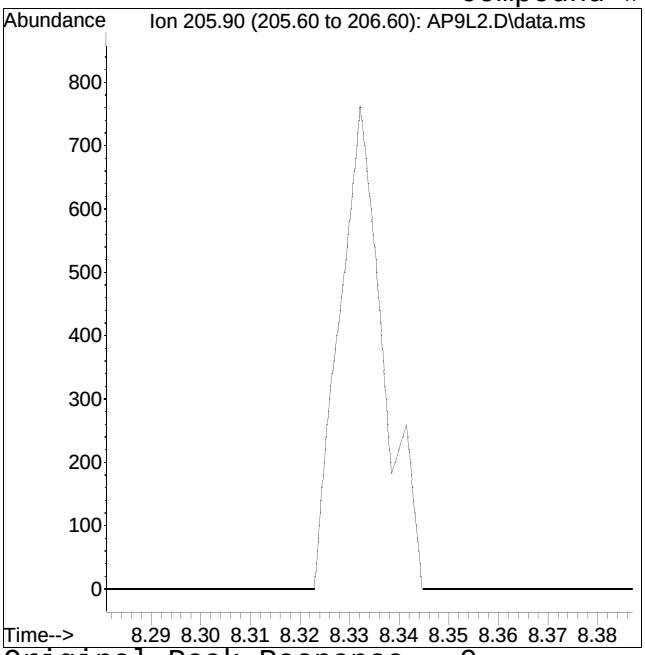
Manual Peak Response = 508 M2

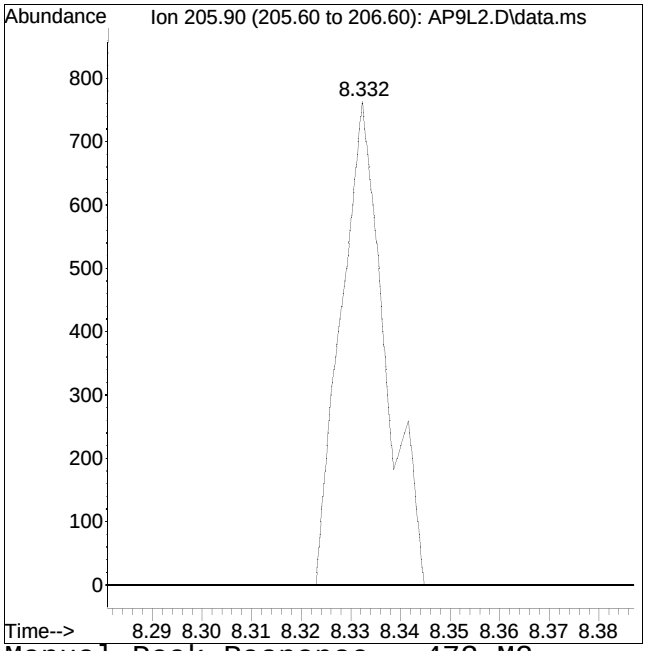
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #86: Dichloran



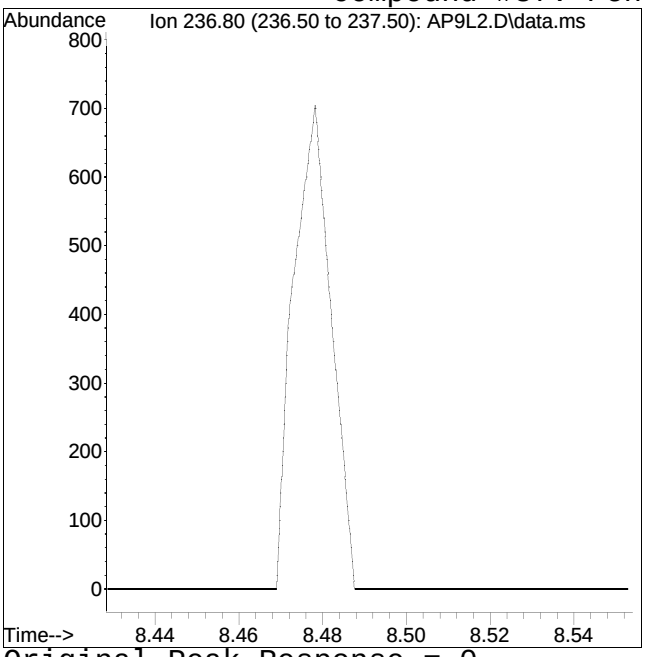


Original Peak Response = 0
Manual Peak Response = 473 M2
M2 = Peak not found by automatic integration algorithm.

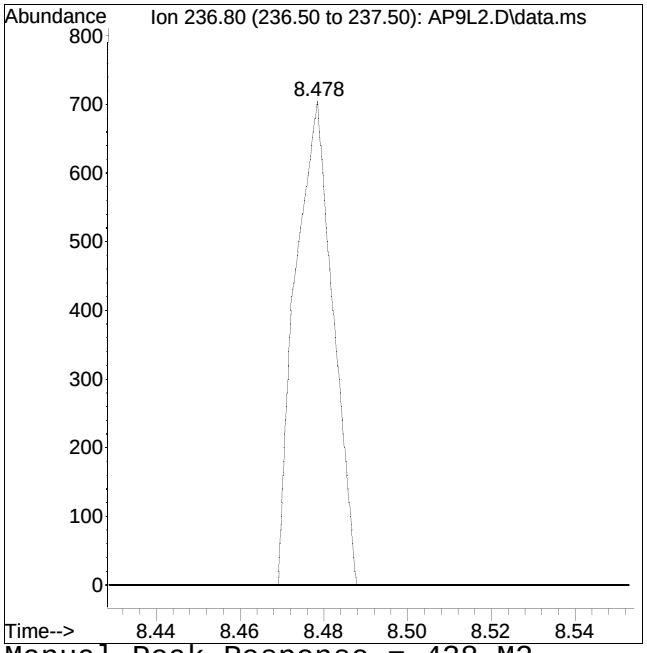
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #87: Pentachloronitrobenzene



Original Peak Response = 0



Manual Peak Response = 438 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L1.D
Acq On : 5 Nov 2024 11:36 pm
Operator : Dakota:HNY
Sample : IL10,32,,AP9L0.1 Lot# 11128
Misc : WG1994500
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 06 09:34:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.286	152	28042	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery = 98.94%				
57)	IS2_Naphthalene-d8	5.519	136	99051	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery = 100.51%				
85)	IS2_Acenaphthene-d10	7.210	164	62731	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery = 97.47%				
100)	IS2_Phenanthrene-d10	8.621	188	139376	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery = 97.81%				
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.850	105	375M2	0.065	ug/ml		
29)	Acetophenone	4.702	105	776M6	0.071	ug/ml		
30)	m-Toluidine	0.000		0	N.D.			
31)	2-Chloroaniline	5.134	127	756	0.074	ug/ml	#	42
58)	a-Terpineol	5.588	59	402M2	0.064	ug/ml		
59)	3-Chloroaniline	5.603	65	70M2	0.021	ug/ml		
60)	2,6-Dichlorophenol	5.628	162	620	0.075	ug/ml	#	15
61)	1-chloro-2-nitrobenzene	5.880	111	168M2	0.056	ug/ml		
62)	Caprolactam	5.936	55	285M2	0.077	ug/ml		
63)	1,2,4,5-Tetrachloroben...	6.387	216	878	0.073	ug/ml	#	87
64)	Biphenyl	6.679	154	1780	0.073	ug/ml	#	92
86)	Dichloran	8.332	206	178M2	0.061	ug/ml		
87)	Pentachloronitrobenzene	8.478	237	72M2	0.717	ug/ml		
101)	Diphenamid	9.538	167	1208	0.071	ug/ml	#	76

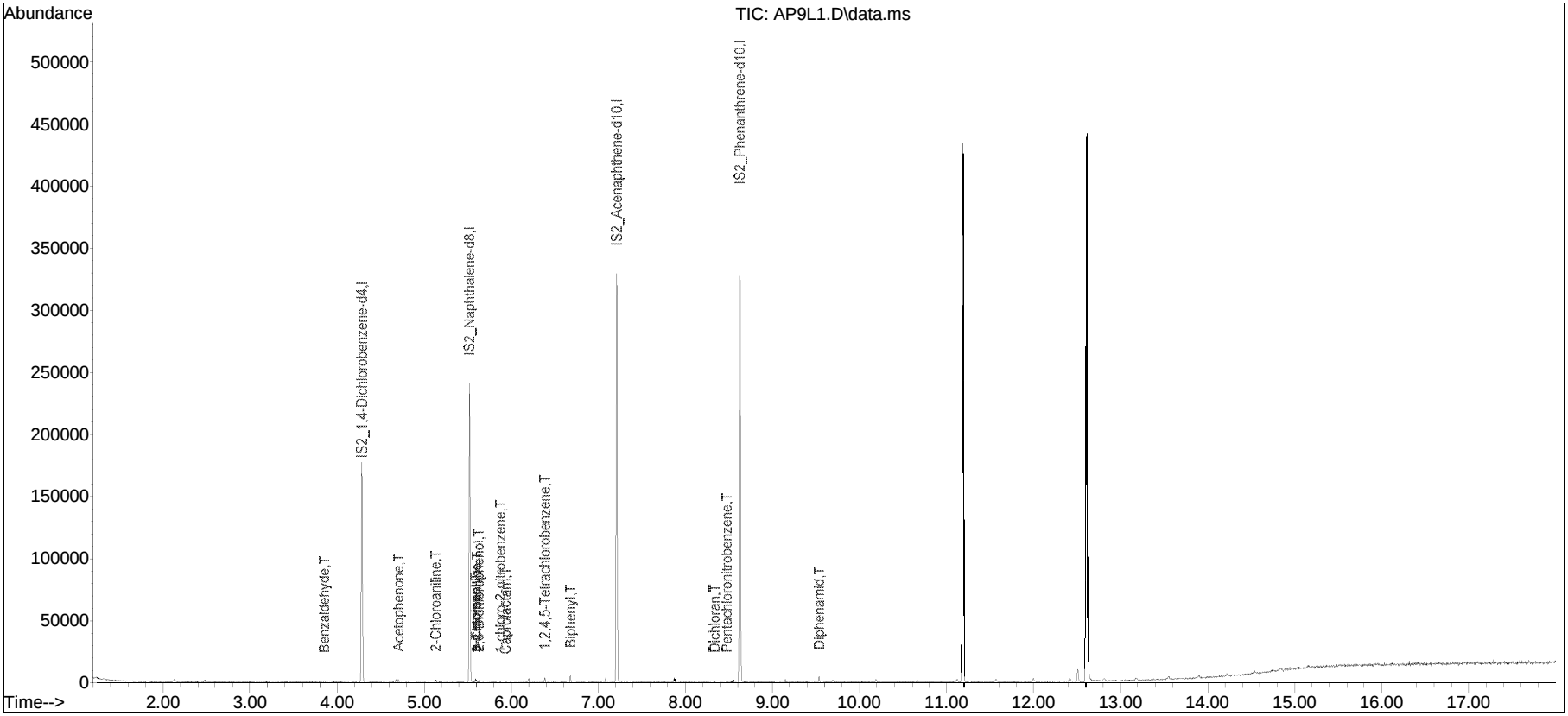
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L1.D
Acq On : 5 Nov 2024 11:36 pm
Operator : Dakota:HNY
Sample : IL10,32,,AP9L0.1 Lot# 11128
Misc : WG1994500
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 06 09:34:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

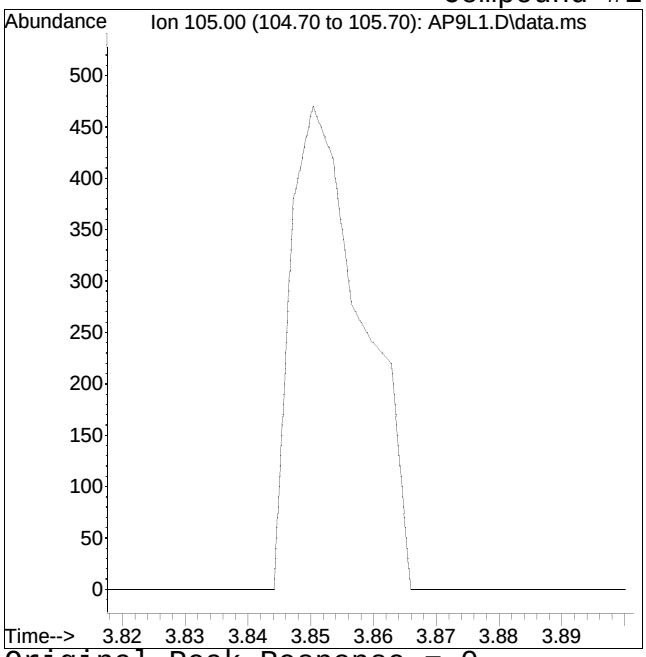
Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



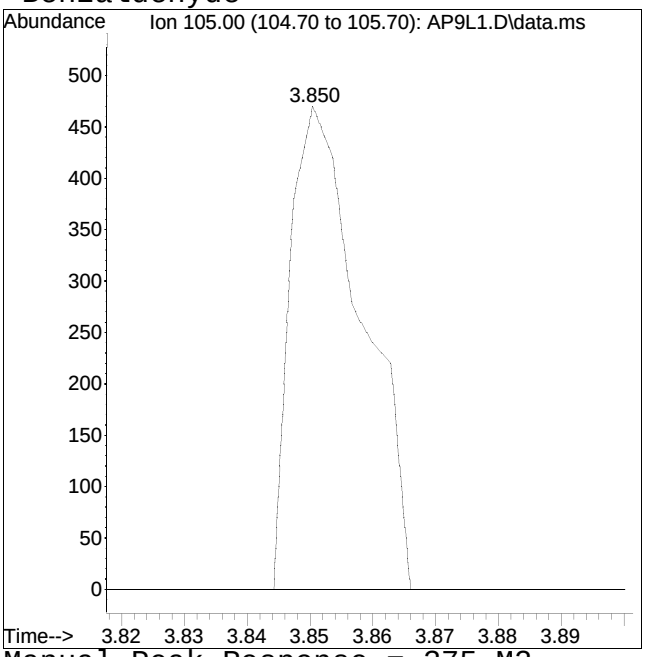
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #28: Benzaldehyde



Original Peak Response = 0



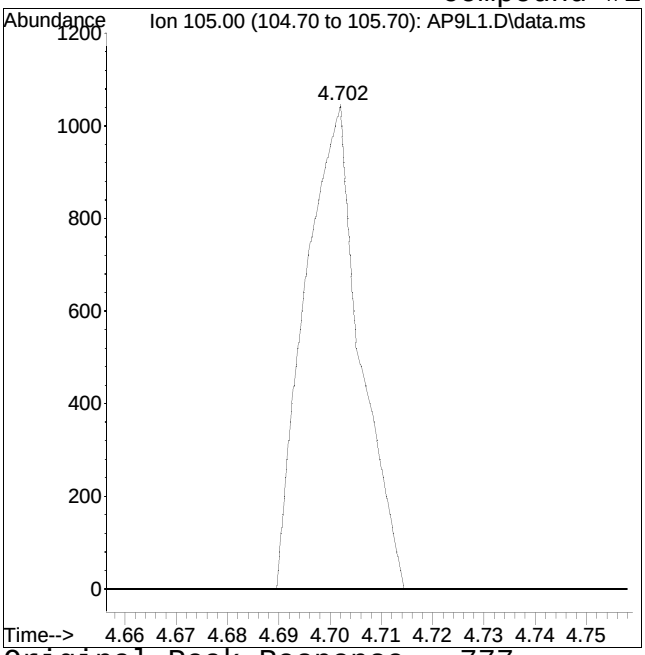
Manual Peak Response = 375 M2

M2 = Peak not found by automatic integration algorithm.

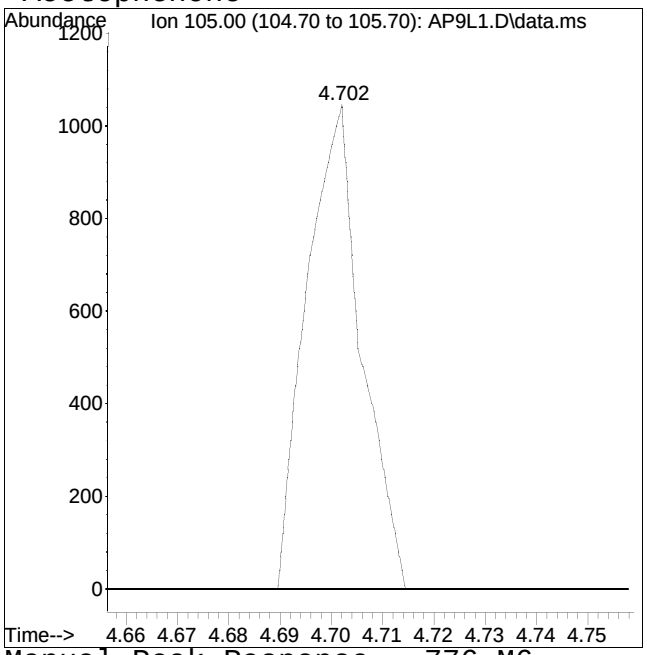
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #29: Acetophenone



Original Peak Response = 777



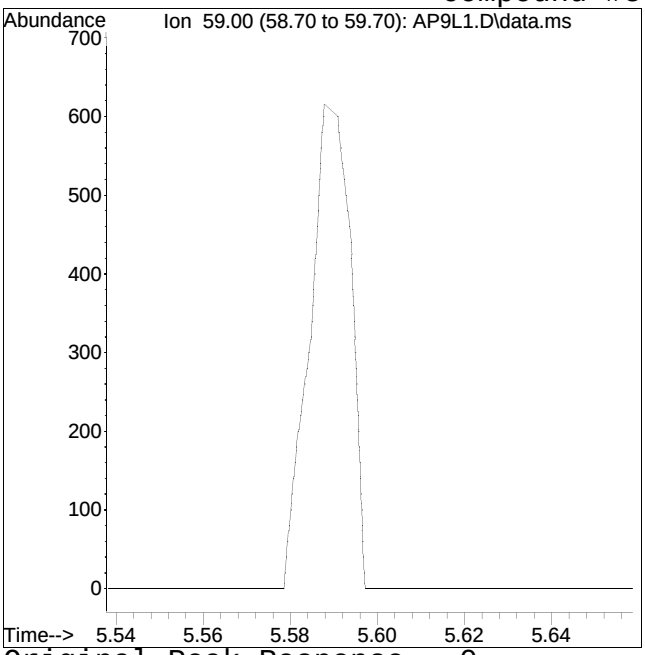
Manual Peak Response = 776 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

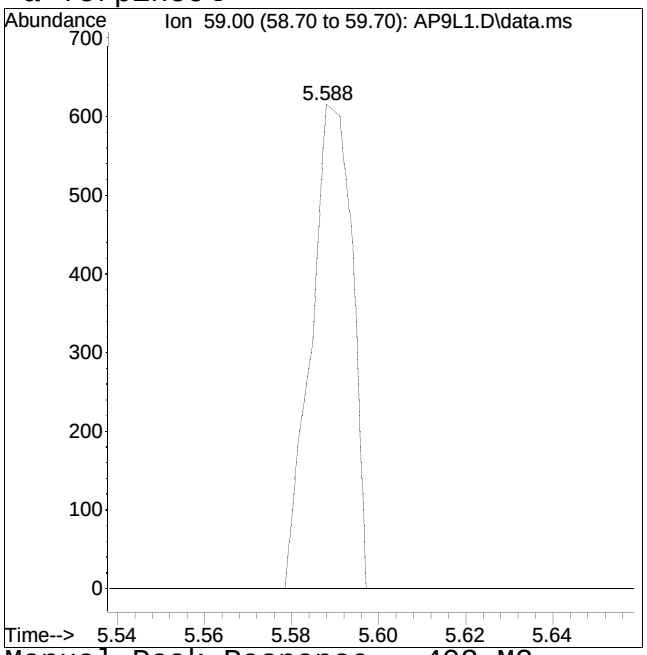
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #58: a-Terpineol



Original Peak Response = 0



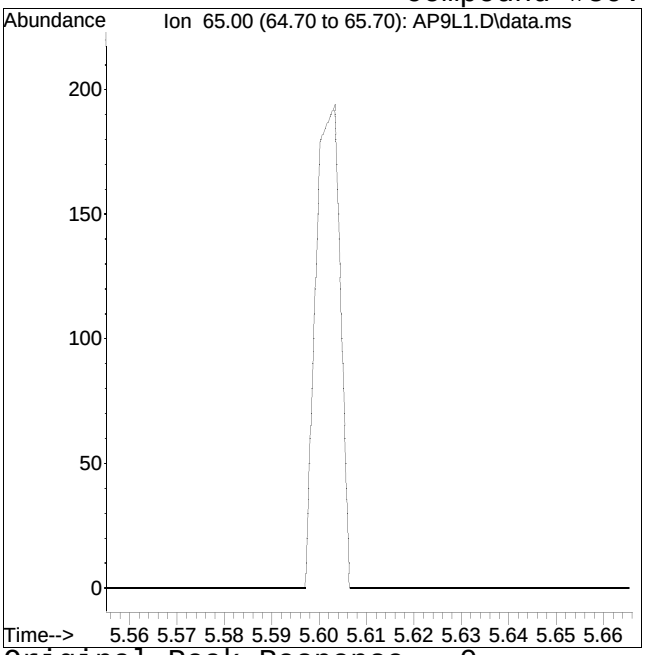
Manual Peak Response = 402 M2

M2 = Peak not found by automatic integration algorithm.

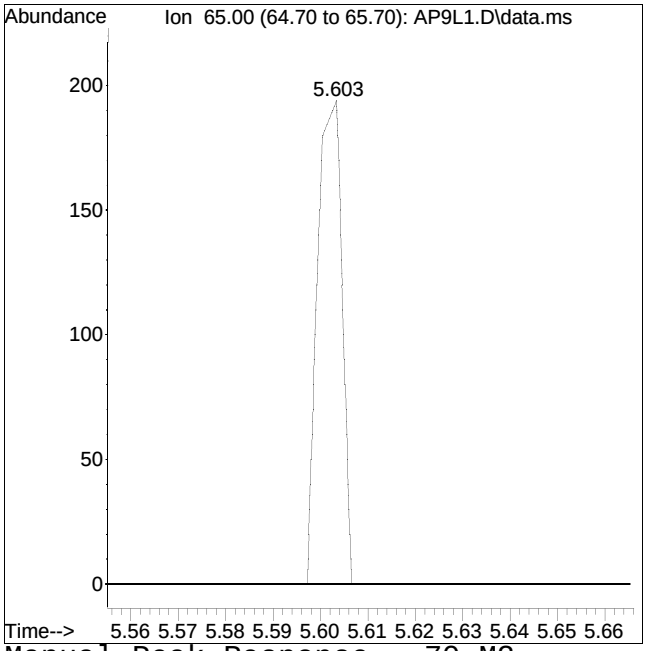
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #59: 3-Chloroaniline



Original Peak Response = 0



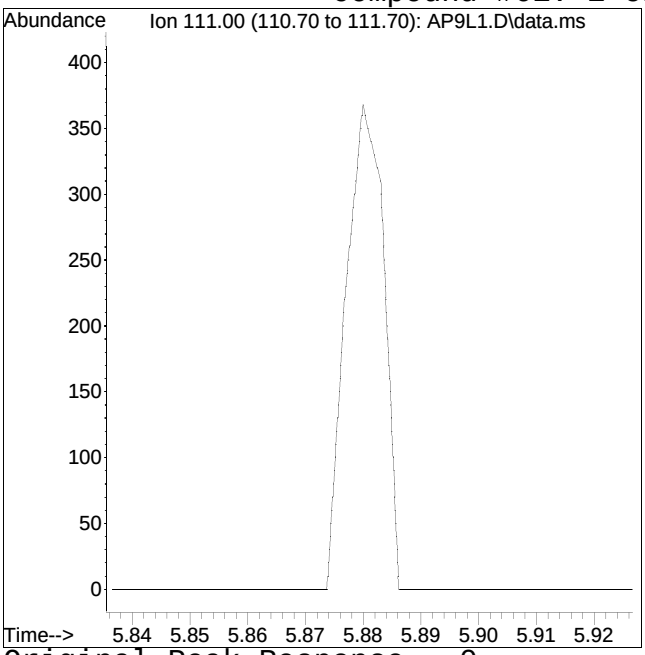
Manual Peak Response = 70 M2

M2 = Peak not found by automatic integration algorithm.

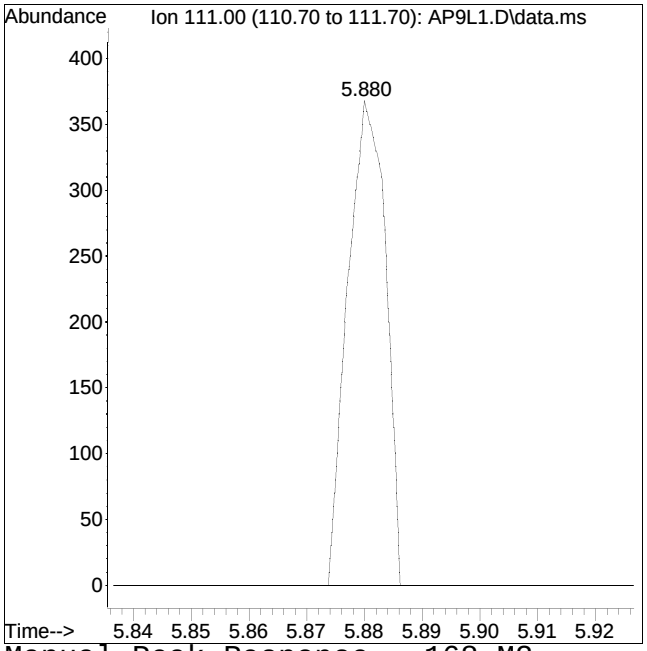
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #61: 1-chloro-2-nitrobenzene



Original Peak Response = 0



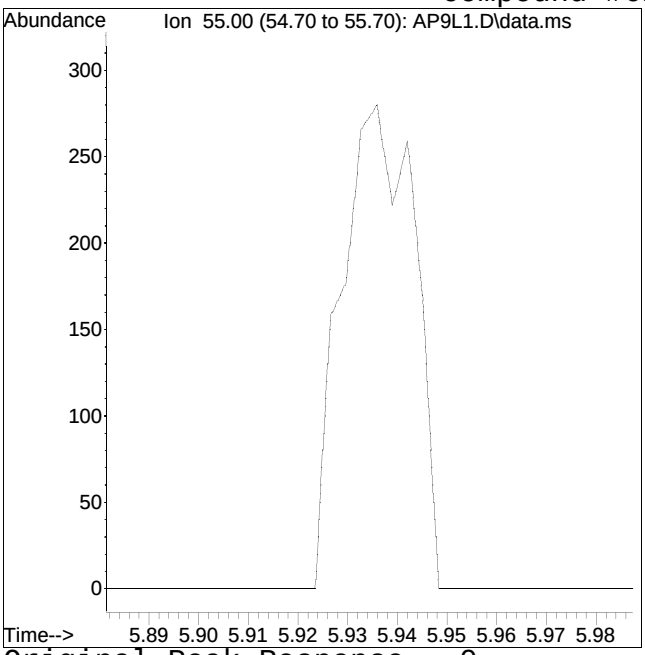
Manual Peak Response = 168 M2

M2 = Peak not found by automatic integration algorithm.

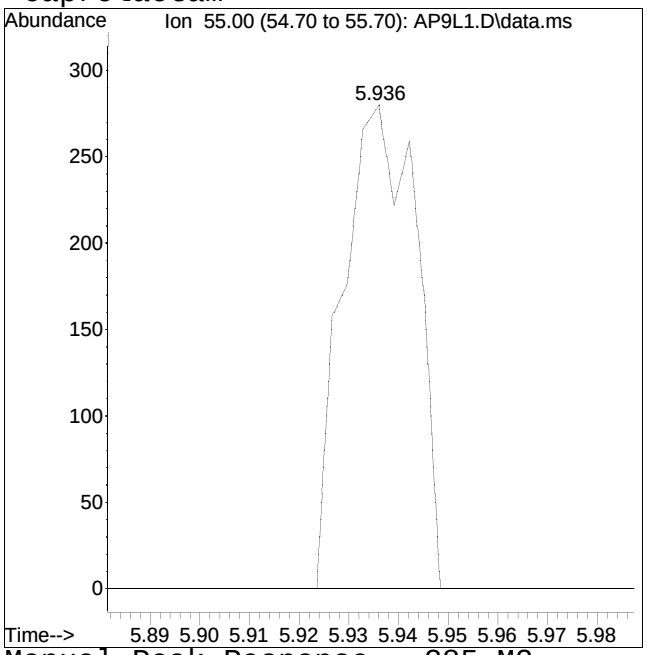
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #62: Caprolactam



Original Peak Response = 0



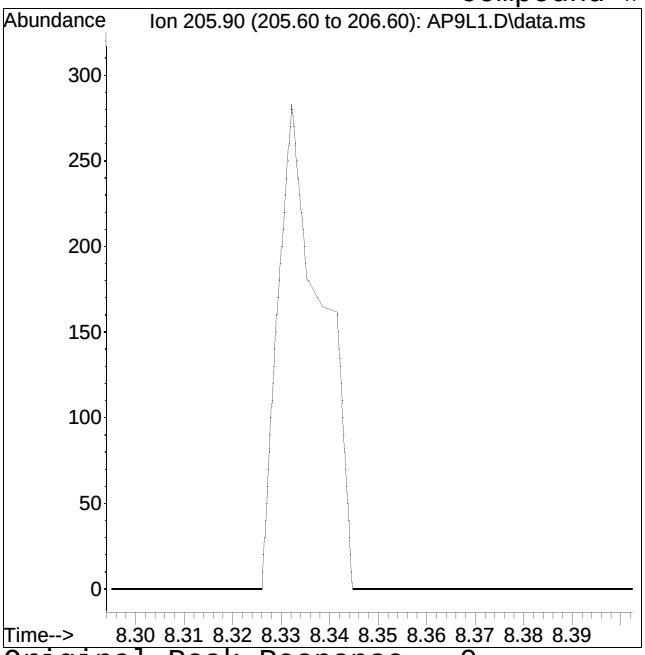
Manual Peak Response = 285 M2

M2 = Peak not found by automatic integration algorithm.

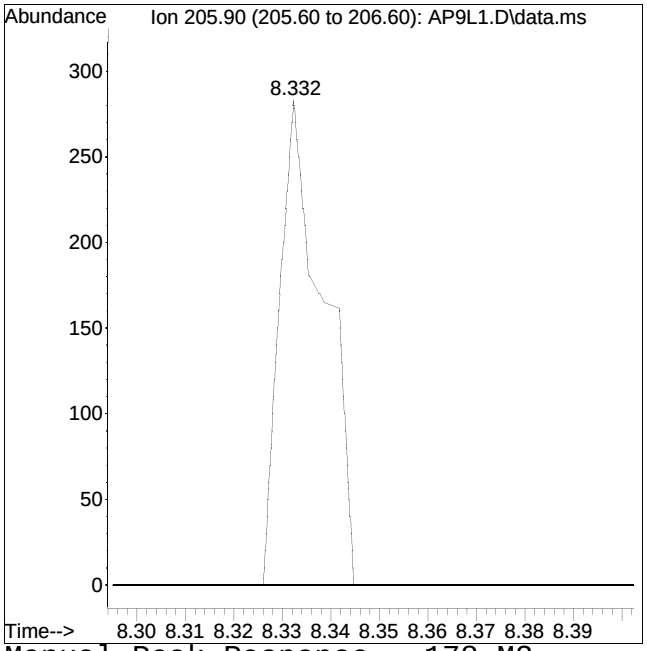
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #86: Dichloran



Original Peak Response = 0



Manual Peak Response = 178 M2

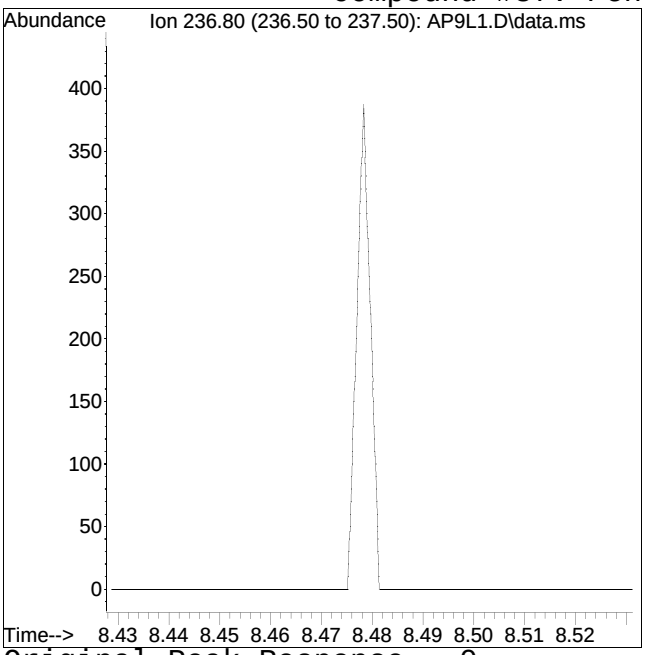
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

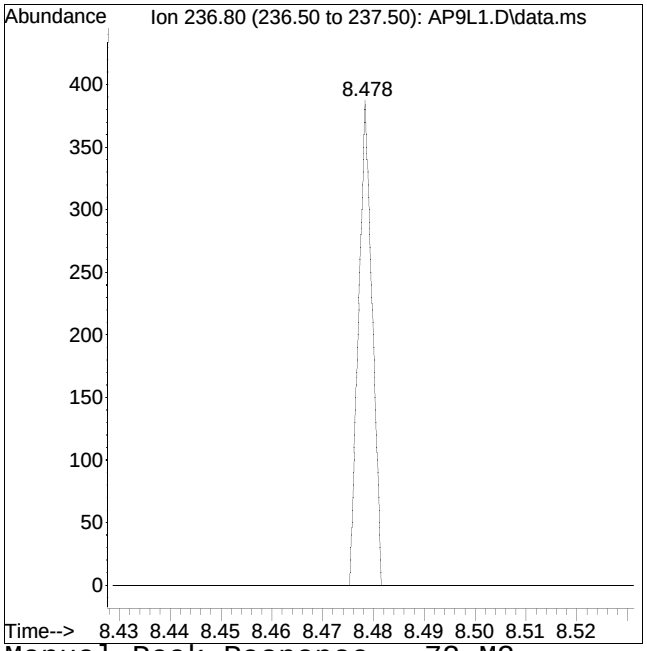
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #87: Pentachloronitrobenzene



Original Peak Response = 0



Manual Peak Response = 72 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 12 11:52:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 12 11:53:08 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2	t	n-Nitrosodimethylamine	0.630	0.605	4.0	101	0.00
3	t	Pyridine	0.954	0.757	20.6#	77	0.00
4	S	2-Fluorophenol	1.028	0.968	5.8	100	0.00
5	T	Aniline	1.567	1.337	14.7	90	0.00
6	t	2-Chlorophenol	1.225	1.160	5.3	99	0.00
7	S	Phenol-d6	1.317	1.189	9.7	96	0.00
8	T	Phenol	1.421	1.295	8.9	96	0.00
9	T	Bis(2-chloroethyl)ether	1.017	0.962	5.4	101	0.00
10	T	1,3-Dichlorobenzene	1.577	1.429	9.4	98	0.00
11	T	1,4-Dichlorobenzene	1.610	1.474	8.4	99	0.00
12	T	1,2-Dichlorobenzene	1.534	1.411	8.0	100	0.00
13	t	Benzyl alcohol	0.930	0.869	6.6	99	0.00
14	T	Bis(2-chloroisopropyl)ether	1.794	1.670	6.9	101	0.00
15	T	2-Methylphenol	1.079	0.990	8.2	101	0.00
16	T	Hexachloroethane	0.589	0.529	10.2	101	0.00
17	T	n-Nitrosodi-n-propylamine	0.863	0.773	10.4	98	0.00
18	T	3-Methylphenol/4-Methylphen	1.182	1.061	10.2	99	0.00
19	S	Nitrobenzene-d5	1.195	1.112	6.9	98	0.00
20	T	Nitrobenzene	1.222	1.123	8.1	97	0.00
21	T	Isophorone	2.247	2.012	10.5	96	0.00
22	T	2-Nitrophenol	0.619	0.547	11.6	94	0.00
23	T	2,4-Dimethylphenol	1.101	0.834	24.3#	81	0.00
24	T	Bis(2-chloroethoxy)methane	1.400	1.314	6.1	100	0.00
25	T	2,4-Dichlorophenol	1.285	1.170	8.9	97	0.00
26	T	1,2,4-Trichlorobenzene	1.555	1.418	8.8	99	0.00
37	I	IS1_Naphthalene-d8	1.000	1.000	0.0	104	0.00
38	T	Naphthalene	1.100	0.979	11.0	100	0.00
39	T	Benzoic Acid	0.228	0.175	23.2#	88	0.00
40	T	4-Chloroaniline	0.121	0.104	14.0	92	0.00
41	T	Hexachlorobutadiene	0.258	0.240	7.0	100	0.00
42	T	p-Chloro-m-cresol	0.290	0.261	10.0	97	0.00
43	T	2-Methylnaphthalene	0.761	0.690	9.3	102	0.00
44	T	1-Methylnaphthalene	0.242	0.219	9.5	98	0.00
45	T	Hexachlorocyclopentadiene	0.272	0.211	22.4#	81	0.00
46	T	2,4,6-Trichlorophenol	0.287	0.262	8.7	98	0.00
47	T	2,4,5-Trichlorophenol	0.320	0.284	11.3	98	0.00
48	S	2-Fluorobiphenyl	0.990	0.872	11.9	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 12 11:52:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 12 11:53:08 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	2-Chloronaphthalene		0.852	0.739	13.3	96	0.00
50	T	2-Nitroaniline		0.218	0.194	11.0	93	0.00
51	T	1,4-Dinitrobenzene		0.095	0.085	10.5	94	0.00
52	T	1,3-Dinitrobenzene		0.113	0.101	10.6	91	0.00
53	T	Dimethyl phthalate		0.991	0.879	11.3	99	0.00
54	T	Acenaphthylene		1.252	1.111	11.3	98	0.00
55	T	2,6-Dinitrotoluene		0.185	0.166	10.3	93	0.00
56	T	1,2-Dinitrobenzene		0.066	0.068	-3.0	101	0.00
65	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	103	0.00
66	T	3-Nitroaniline		0.309	0.291	5.8	97	0.00
67	T	Acenaphthene		1.163	0.993	14.6	97	0.00
68	T	2,4-Dinitrophenol	*	5.000	4.126	17.5	92	0.00
69	T	Dibenzofuran		2.006	1.787	10.9	101	0.00
70	T	2,4-Dinitrotoluene		0.387	0.375	3.1	96	0.00
71	T	4-Nitrophenol		0.230	0.215	6.5	95	0.00
72	T	2,3,5,6-Tetrachlorophenol		0.436	0.395	9.4	96	0.00
73	T	2,3,4,6-Tetrachlorophenol		0.428	0.396	7.5	99	0.00
74	T	Diethyl phthalate		1.575	1.380	12.4	99	0.00
75	T	Fluorene		1.536	1.359	11.5	99	0.00
76	T	4-Chlorophenyl phenyl ether		0.792	0.702	11.4	100	0.00
77	T	4-Nitroaniline		0.299	0.300	-0.3	99	0.00
78	T	4,6-Dinitro-o-cresol		0.234	0.216	7.7	92	0.00
79	T	NDPA/DPA		1.337	1.176	12.0	100	0.00
80	T	Azobenzene		1.281	1.179	8.0	100	0.00
81	S	2,4,6-Tribromophenol		0.286	0.269	5.9	102	0.00
82	T	4-Bromophenyl phenyl ether		0.522	0.455	12.8	99	0.00
83	T	Hexachlorobenzene		0.656	0.553	15.7	98	0.00
84	T	Pentachlorophenol		0.356	0.324	9.0	94	0.00
90	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	102	0.00
91	T	Phenanthrene		1.183	1.044	11.7	98	0.00
92	T	Anthracene		1.160	1.061	8.5	100	0.00
93	T	Carbazole		1.064	0.982	7.7	98	0.00
94	T	Di-n-butylphthalate		1.207	1.119	7.3	97	0.00
95	T	Fluoranthene		1.422	1.289	9.4	100	0.00
96	T	Benzidine		0.772	0.715	7.4	91	0.00
97	T	Pyrene		1.520	1.421	6.5	102	0.00
98	S	4-Terphenyl-d14		1.157	1.045	9.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 12 11:52:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 12 11:53:08 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
99	T	Butyl benzyl phthalate	0.517	0.492	4.8	97	0.00
106	I	IS1_Chrysene-d12	1.000	1.000	0.0	102	0.00
107	T	Benzo(a)anthracene	1.355	1.205	11.1	99	0.00
108	T	3,3'-Dichlorobenzidine	0.505	0.480	5.0	98	0.00
109	T	Chrysene	1.349	1.187	12.0	99	0.00
110	T	Bis(2-ethylhexyl)phthalate	0.726	0.689	5.1	96	0.00
111	T	Di-n-octylphthalate	1.212	1.150	5.1	97	0.00
112	T	Benzo(b)fluoranthene	1.420	1.274	10.3	99	0.00
113	T	Benzo(k)fluoranthene	1.383	1.303	5.8	99	0.00
114	T	Benzo(a)pyrene	1.267	1.183	6.6	98	0.00
115	I	IS1_Perylene-d12	1.000	1.000	0.0	102	0.00
116	T	Indeno(1,2,3-cd)pyrene	1.234	1.129	8.5	98	0.00
117	T	Dibenzo(a,h)anthracene	1.213	1.133	6.6	99	0.00
118	T	Benzo(ghi)perylene	1.192	1.061	11.0	97	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL7.D
: 2 - I:\8270\Dakota\241105RVTICAL\ADPL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.283	152	29942	4.000	ug/ml	0.00
Standard Area 1 = 30017			Recovery = 99.75%			
37) IS1_Naphthalene-d8	5.520	136	111727	4.000	ug/ml	0.00
Standard Area 1 = 110693			Recovery = 100.93%			
65) IS1_Acenaphthene-d10	7.210	164	71834	4.000	ug/ml	0.00
Standard Area 1 = 71339			Recovery = 100.69%			
90) IS1_Phenanthrene-d10	8.625	188	153221	4.000	ug/ml	0.00
Standard Area 1 = 152962			Recovery = 100.17%			
106) IS1_Chrysene-d12	11.192	240	177321	4.000	ug/ml	0.00
Standard Area 1 = 173819			Recovery = 102.01%			
115) IS1_Perylene-d12	12.609	264	206959	4.000	ug/ml	0.00
Standard Area 1 = 202944			Recovery = 101.98%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.996	112	36238	4.708	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 235.40%#			
7) Phenol-d6	3.984	99	44501	4.514	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 225.70%#			
19) Nitrobenzene-d5	4.833	82	41614	4.652	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 465.20%#			
48) 2-Fluorobiphenyl	6.592	172	121772	4.404	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 440.40%#			
81) 2,4,6-Tribromophenol	7.969	330	24120	4.697	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 234.85%#			
98) 4-Terphenyl-d14	10.191	244	200195	4.515	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 451.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.600	74	22641	4.799	ug/ml#	79
3) Pyridine	1.641	79	28316M1	3.965	ug/ml	
5) Aniline	3.969	93	50034	4.266	ug/ml	95
6) 2-Chlorophenol	4.077	128	43409	4.734	ug/ml#	87
8) Phenol	3.997	94	48485	4.559	ug/ml	96
9) Bis(2-chloroethyl)ether	4.056	93	36003	4.728	ug/ml	99
10) 1,3-Dichlorobenzene	4.224	146	53479	4.532	ug/ml	94
11) 1,4-Dichlorobenzene	4.298	146	55162	4.578	ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	52815	4.599	ug/ml	94
13) Benzyl alcohol	4.450	79	32533	4.673	ug/ml	99

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL7.D
: 2 - I:\8270\Dakota\241105RVTICAL\ADPL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14) Bis(2-chloroisopropyl)...	4.593	45	62522	4.656	ug/ml#	63
15) 2-Methylphenol	4.590	108	37053	4.586	ug/ml	100
16) Hexachloroethane	4.771	117	19810	4.490	ug/ml#	48
17) n-Nitrosodi-n-propylamine	4.721	70	28948	4.483	ug/ml#	87
18) 3-Methylphenol/4-Methy...	4.749	108	39726	4.488	ug/ml	100
20) Nitrobenzene	4.848	77	42031	4.594	ug/ml	97
21) Isophorone	5.094	82	75307	4.477	ug/ml	95
22) 2-Nitrophenol	5.165	139	20467	4.419	ug/ml#	86
23) 2,4-Dimethylphenol	5.255	107	31220	3.789	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.339	93	49166	4.692	ug/ml#	97
25) 2,4-Dichlorophenol	5.405	162	43788	4.552	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	53081	4.560	ug/ml	96
38) Naphthalene	5.538	128	136778	4.451	ug/ml	99
39) Benzoic Acid	5.346	105	24373	3.831	ug/ml	92
40) 4-Chloroaniline	5.622	65	14569	4.314	ug/ml#	63
41) Hexachlorobutadiene	5.697	225	33536	4.646	ug/ml	99
42) p-Chloro-m-cresol	6.126	107	36518	4.511	ug/ml	91
43) 2-Methylnaphthalene	6.216	142	96343	4.531	ug/ml	95
44) 1-Methylnaphthalene	6.309	115	30554	4.519	ug/ml	93
45) Hexachlorocyclopentadiene	6.390	237	29425	3.870	ug/ml	99
46) 2,4,6-Trichlorophenol	6.508	196	36634	4.577	ug/ml	98
47) 2,4,5-Trichlorophenol	6.536	196	39640	4.429	ug/ml	99
49) 2-Chloronaphthalene	6.676	162	103138	4.332	ug/ml	93
50) 2-Nitroaniline	6.794	138	27096	4.447	ug/ml#	78
51) 1,4-Dinitrobenzene	6.928	168	11911	4.501	ug/ml	83
52) 1,3-Dinitrobenzene	7.002	168	14057	4.435	ug/ml#	1
53) Dimethyl phthalate	7.005	163	122829	4.438	ug/ml#	98
54) Acenaphthylene	7.067	152	155180	4.438	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	23242	4.499	ug/ml#	79
56) 1,2-Dinitrobenzene	7.080	168	9499	5.134	ug/ml#	1
66) 3-Nitroaniline	7.192	138	26098	4.705	ug/ml#	86
67) Acenaphthene	7.238	154	89205	4.270	ug/ml	87
68) 2,4-Dinitrophenol	7.291	184	13757	4.126	ug/ml#	80
69) Dibenzofuran	7.409	168	160445	4.454	ug/ml	90
70) 2,4-Dinitrotoluene	7.425	165	33658	4.841	ug/ml#	80
71) 4-Nitrophenol	7.394	65	19325	4.673	ug/ml#	28
72) 2,3,5,6-Tetrachlorophenol	7.506	232	35437	4.522	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.543	232	35578	4.631	ug/ml	98
74) Diethyl phthalate	7.689	149	123901	4.382	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL7.D
: 2 - I:\8270\Dakota\241105RVTICAL\ADPL7.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	Fluorene	7.736	166	122050	4.424	ug/ml	92
76)	4-Chlorophenyl phenyl ...	7.764	204	63042	4.434	ug/ml#	86
77)	4-Nitroaniline	7.773	138	26907	5.018	ug/ml#	77
78)	4,6-Dinitro-o-cresol	7.810	198	19382	4.612	ug/ml#	59
79)	NDPA/DPA	7.879	169	105614	4.400	ug/ml	93
80)	Azobenzene	7.910	77	105841	4.602	ug/ml	98
82)	4-Bromophenyl phenyl e...	8.227	248	40811	4.357	ug/ml#	79
83)	Hexachlorobenzene	8.267	284	49668	4.213	ug/ml#	80
84)	Pentachlorophenol	8.463	266	29051	4.546	ug/ml	99
91)	Phenanthrene	8.646	178	199979	4.414	ug/ml	99
92)	Anthracene	8.693	178	203231	4.574	ug/ml	99
93)	Carbazole	8.867	167	188138	4.614	ug/ml	98
94)	Di-n-butylphthalate	9.271	149	214371	4.637	ug/ml#	98
95)	Fluoranthene	9.781	202	246949	4.533	ug/ml#	91
96)	Benzidine	9.946	184	136878	4.630	ug/ml#	95
97)	Pyrene	9.989	202	272087	4.674	ug/ml	99
99)	Butyl benzyl phthalate	10.707	149	94148	4.755	ug/ml#	83
107)	Benzo(a)anthracene	11.183	228	267033	4.445	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.195	252	106445	4.756	ug/ml#	95
109)	Chrysene	11.217	228	263085	4.399	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.335	149	152756	4.744	ug/ml#	89
111)	Di-n-octylphthalate	11.994	149	254994	4.747	ug/ml#	72
112)	Benzo(b)fluoranthene	12.252	252	282392	4.487	ug/ml#	94
113)	Benzo(k)fluoranthene	12.280	252	288769	4.709	ug/ml#	93
114)	Benzo(a)pyrene	12.553	252	262323	4.671	ug/ml#	93
116)	Indeno(1,2,3-cd)pyrene	13.545	276	292191	4.576	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.570	278	293099	4.671	ug/ml#	89
118)	Benzo(ghi)perylene	13.753	276	274527	4.451	ug/ml#	86

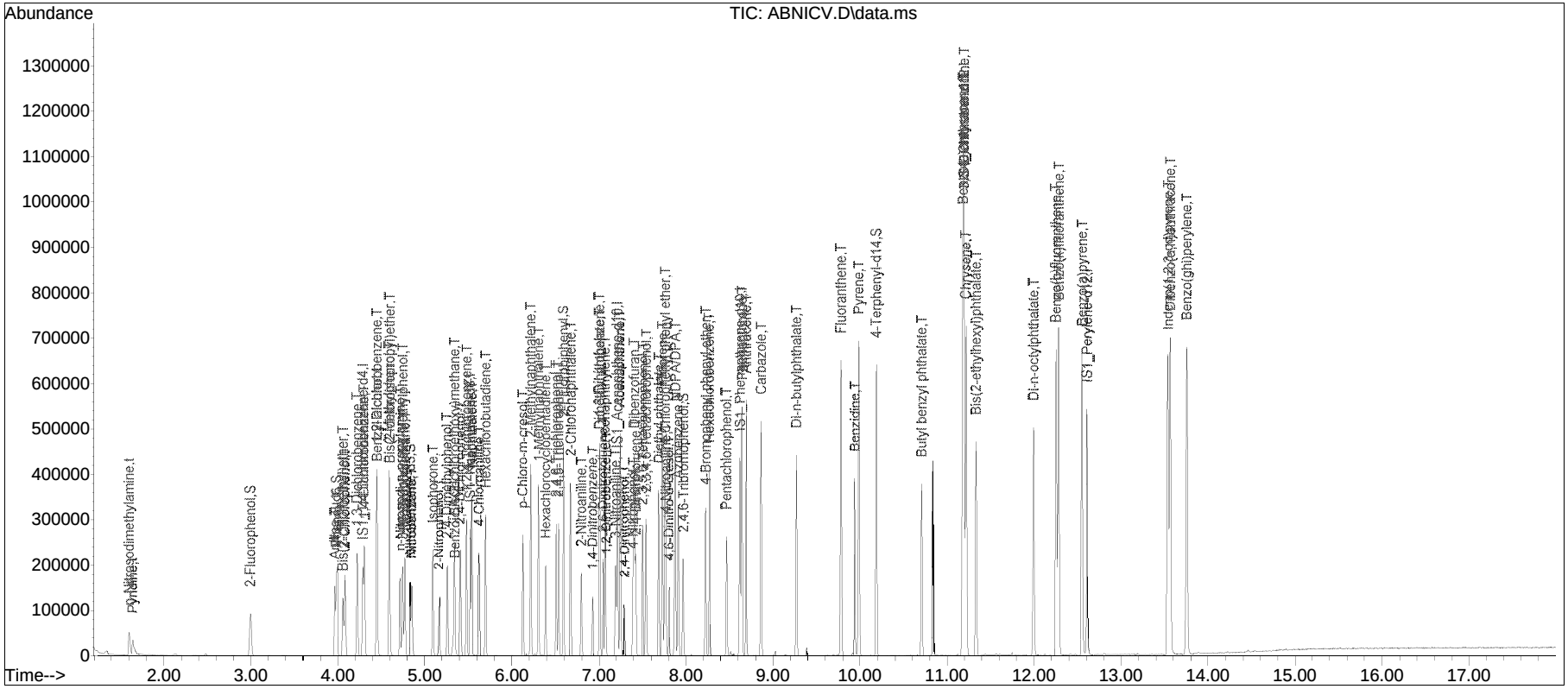
(#) = qualifier out of range (m) = manual integration (+) = signals summed

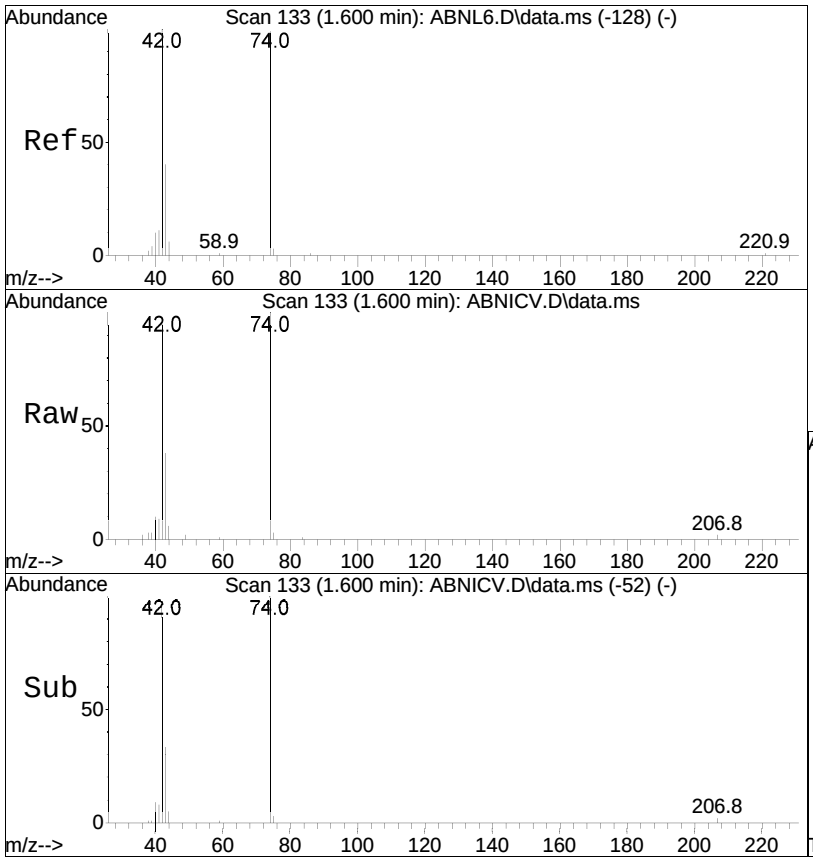
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ADPL7.D•

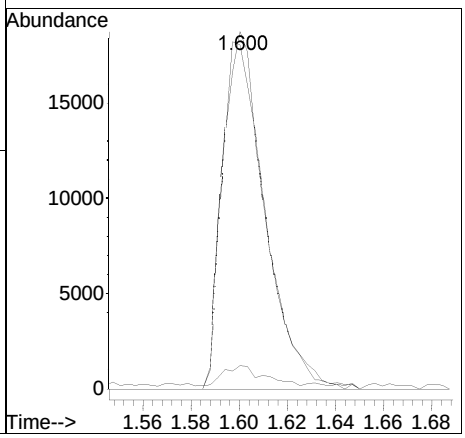


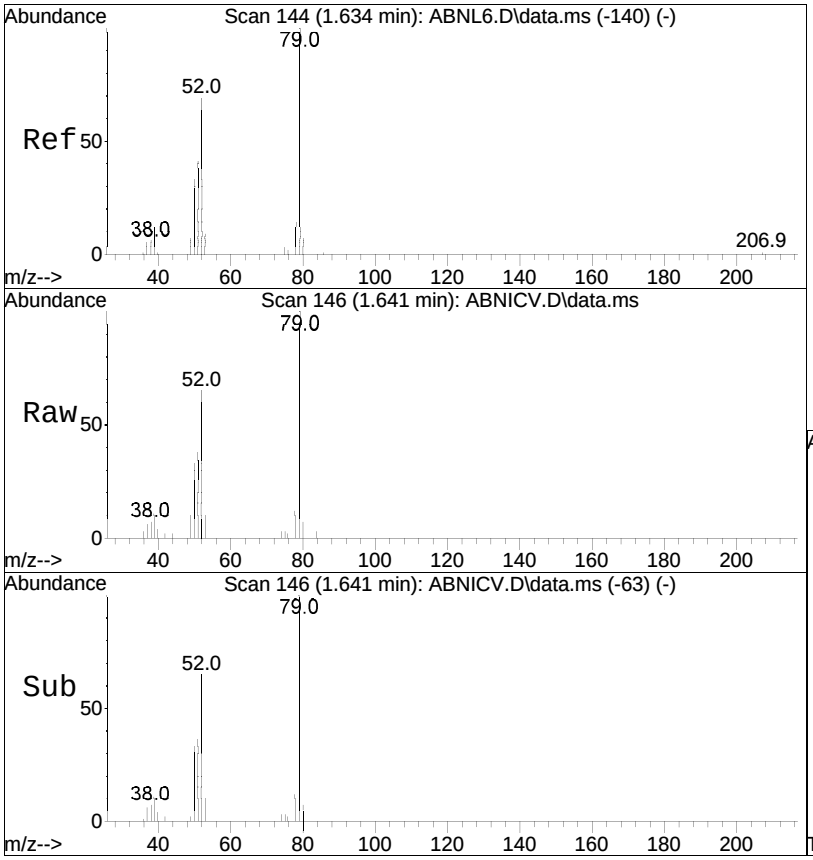


#2
n-Nitrosodimethylamine
Concen: 4.80 ug/ml
RT: 1.600 min Scan# 133
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 74 Resp: 22641

Ion	Ratio	Lower	Upper
74	100		
42	99.8	100.0	150.0#
44	5.3	6.7	10.1#

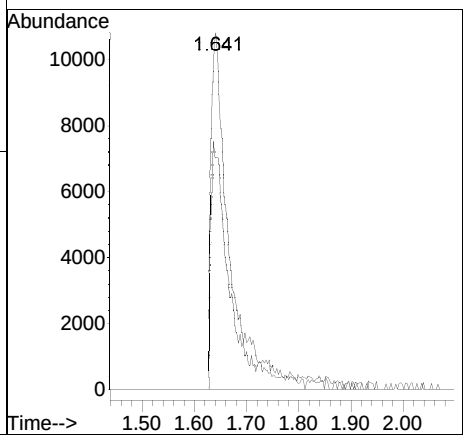


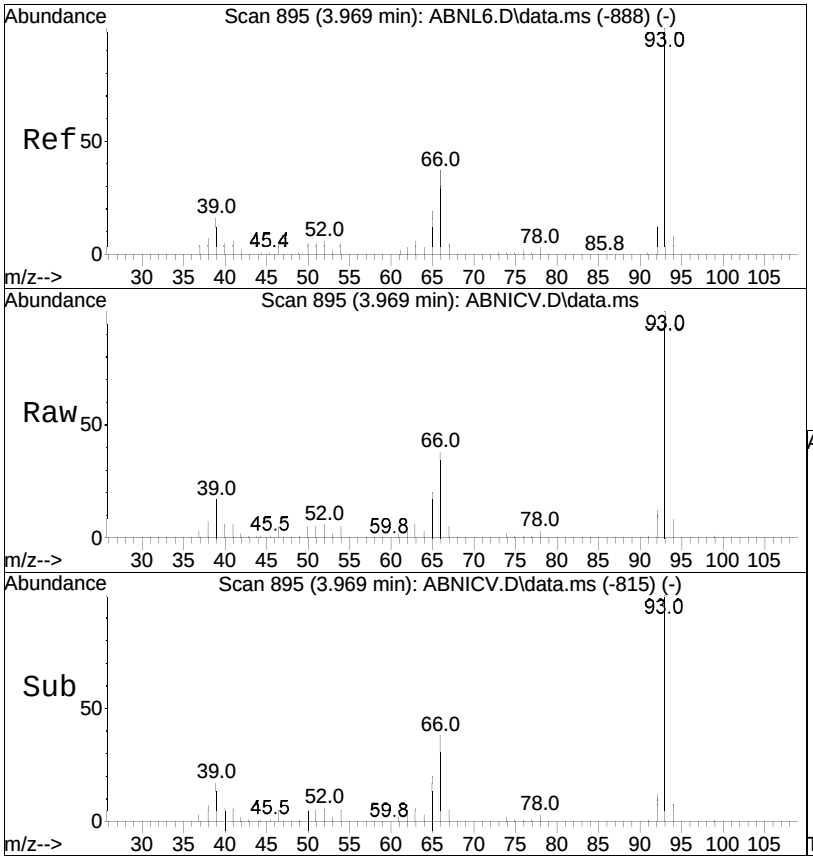


#3
Pyridine
Concen: 3.97 ug/ml M1
RT: 1.641 min Scan# 146
Delta R.T. 0.007 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 79 Resp: 28316

Ion	Ratio	Lower	Upper
79	100		
52	57.6	93.1	139.7#

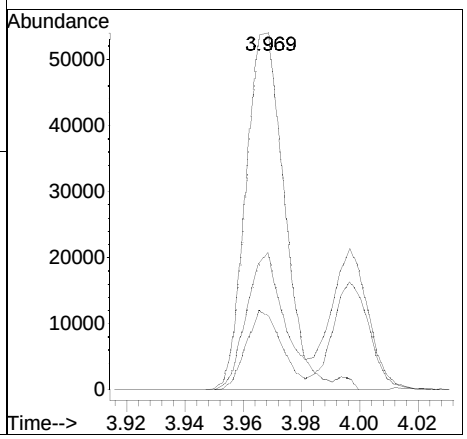


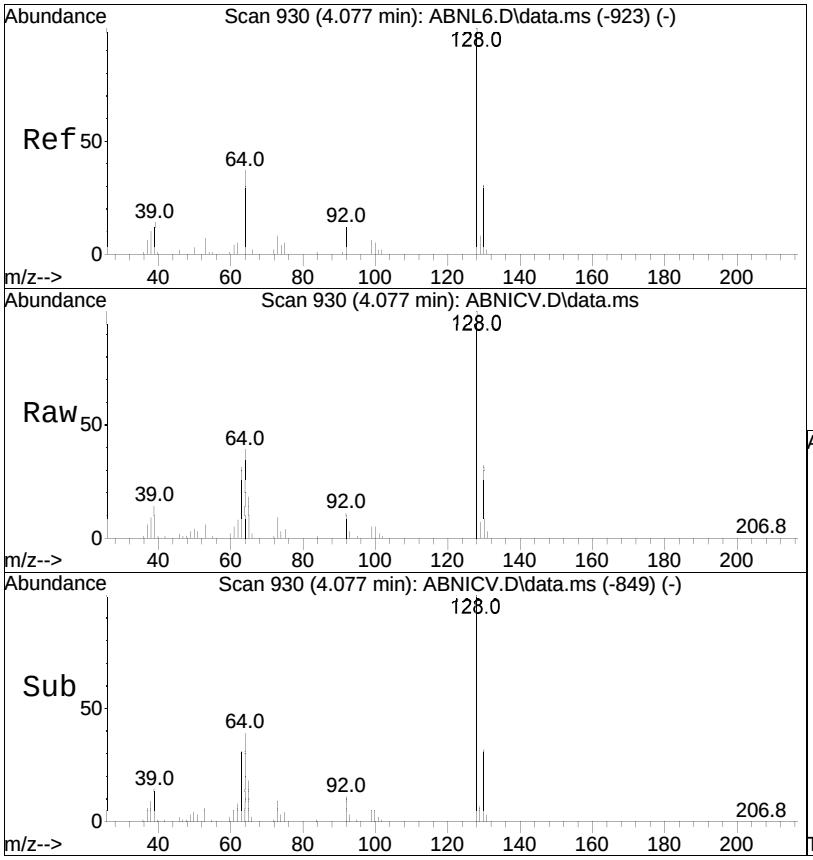


#5
Aniline
Concen: 4.27 ug/ml
RT: 3.969 min Scan# 895
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 93 Resp: 50034

Ion	Ratio	Lower	Upper
93	100		
66	37.2	32.6	49.0
65	20.8	17.6	26.4

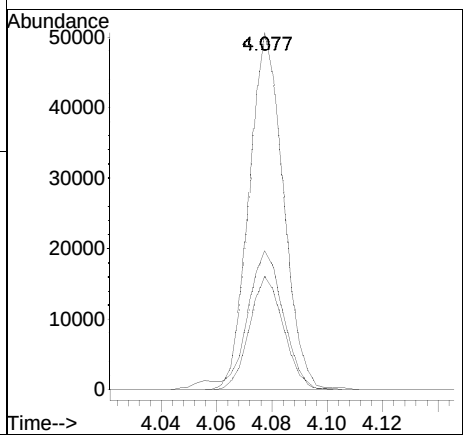


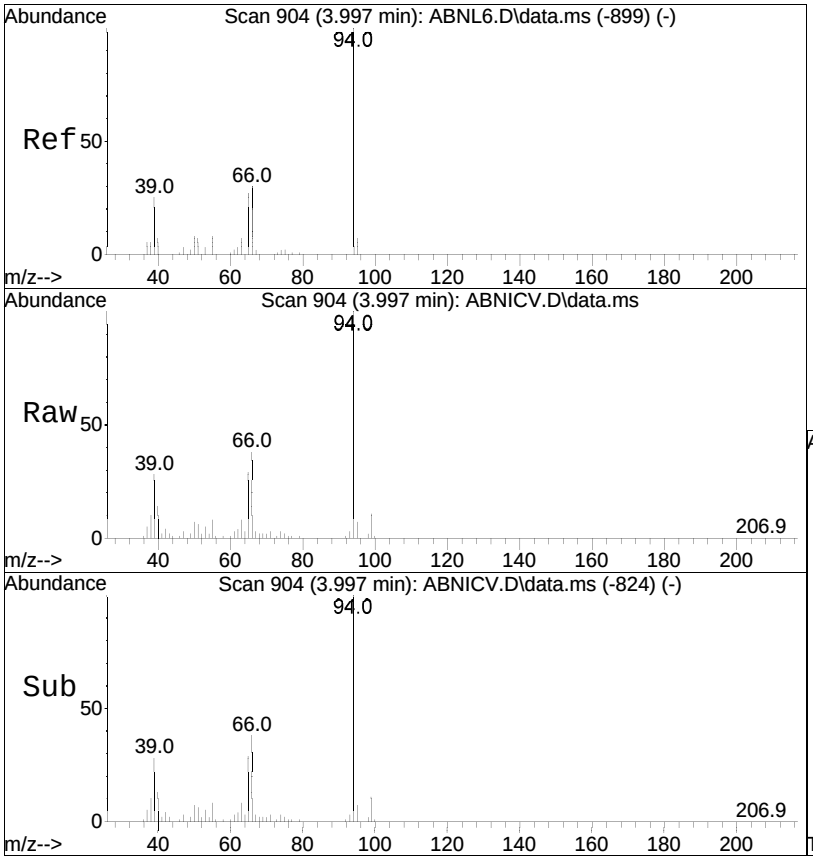


#6
2-Chlorophenol
Concen: 4.73 ug/ml
RT: 4.077 min Scan# 930
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:128 Resp: 43409

Ion	Ratio	Lower	Upper
128	100		
64	42.2	45.1	67.7#
130	31.8	26.2	39.4

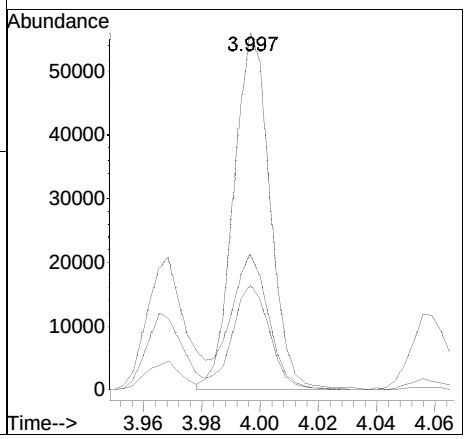


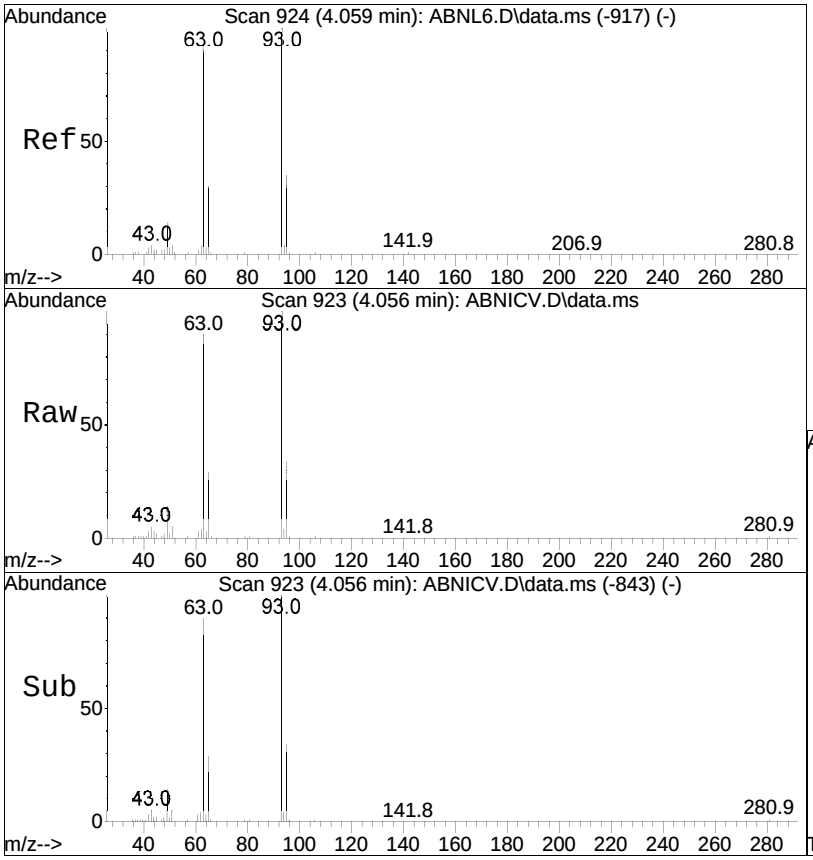


#8
Phenol
Concen: 4.56 ug/ml
RT: 3.997 min Scan# 904
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 94 Resp: 48485

Ion	Ratio	Lower	Upper
94	100		
65	30.1	26.0	39.0
66	40.2	33.8	50.8

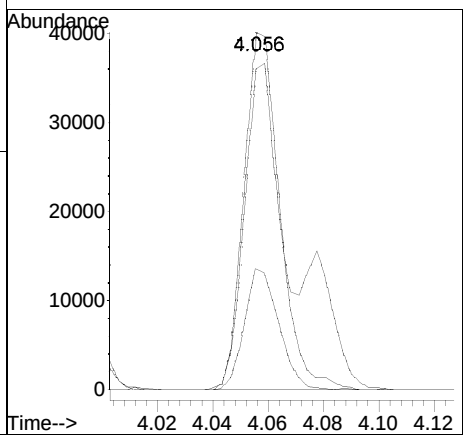


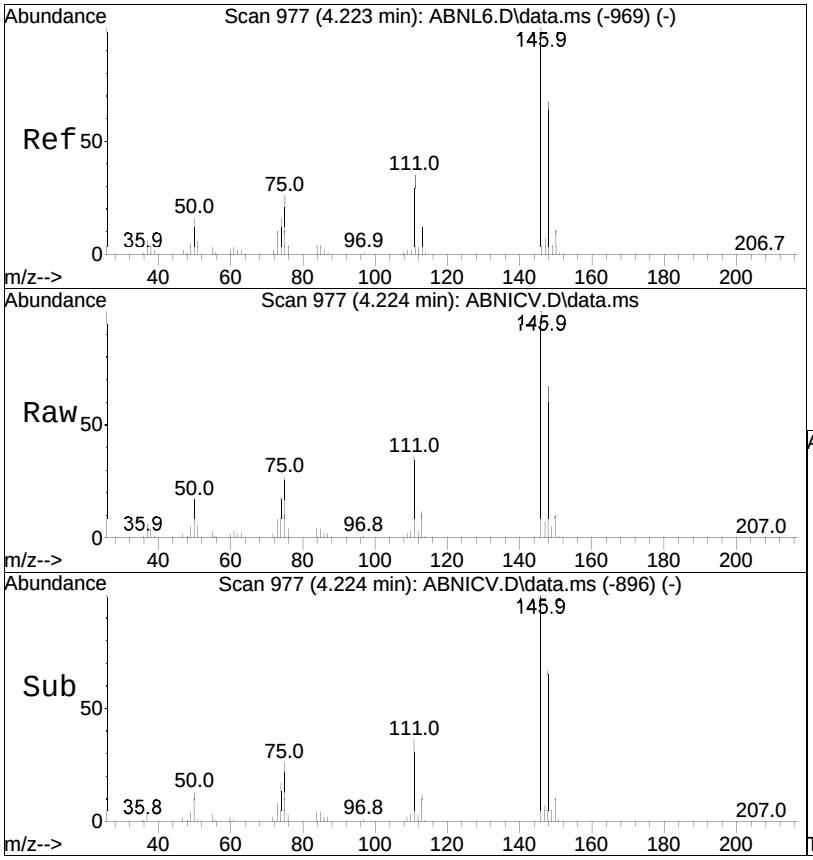


#9
Bis(2-chloroethyl)ether
Concen: 4.73 ug/ml
RT: 4.056 min Scan# 923
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 93 Resp: 36003

Ion	Ratio	Lower	Upper
93	100		
63	91.9	74.6	111.8
95	32.5	25.9	38.9

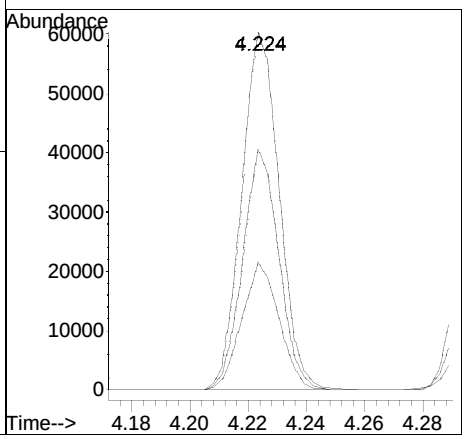


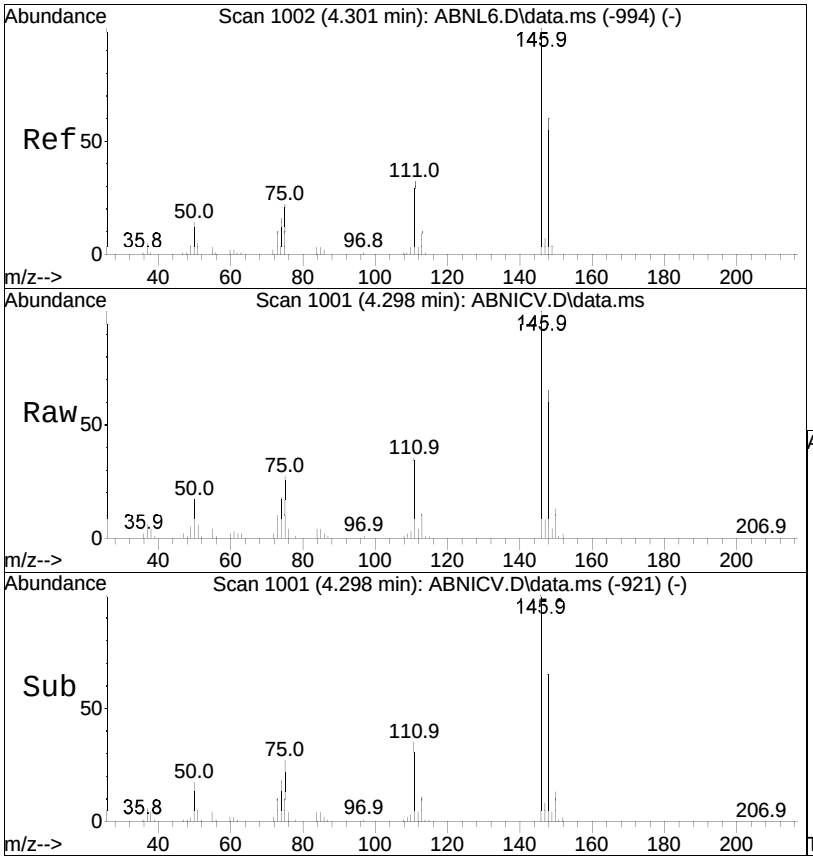


#10
1,3-Dichlorobenzene
Concen: 4.53 ug/ml
RT: 4.224 min Scan# 977
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:146 Resp: 53479

Ion	Ratio	Lower	Upper
146	100		
111	35.5	34.3	51.5
148	65.0	50.8	76.2

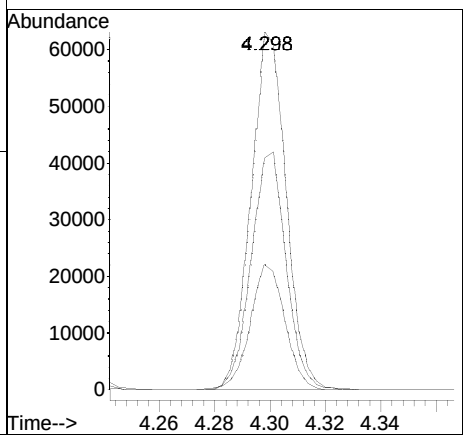


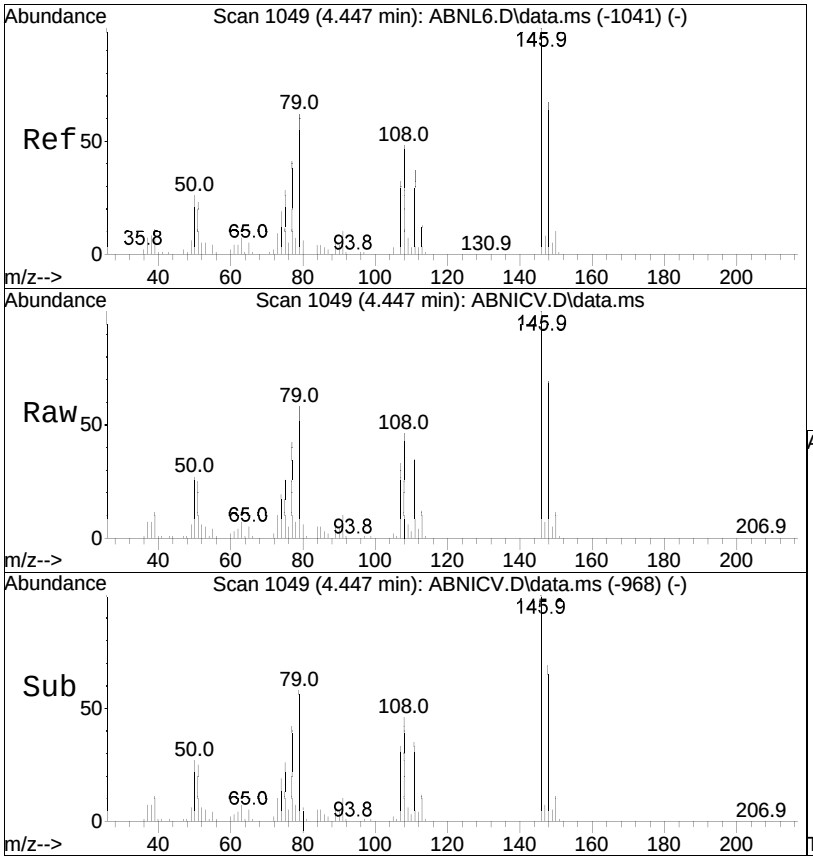


#11
1,4-Dichlorobenzene
Concen: 4.58 ug/ml
RT: 4.298 min Scan# 1001
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:146 Resp: 55162

Ion	Ratio	Lower	Upper
146	100		
148	66.0	50.7	76.1
111	34.8	33.4	50.0

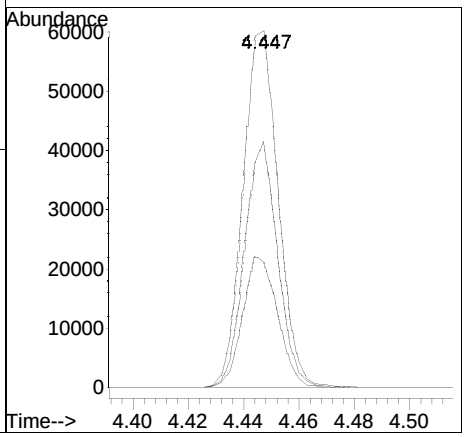


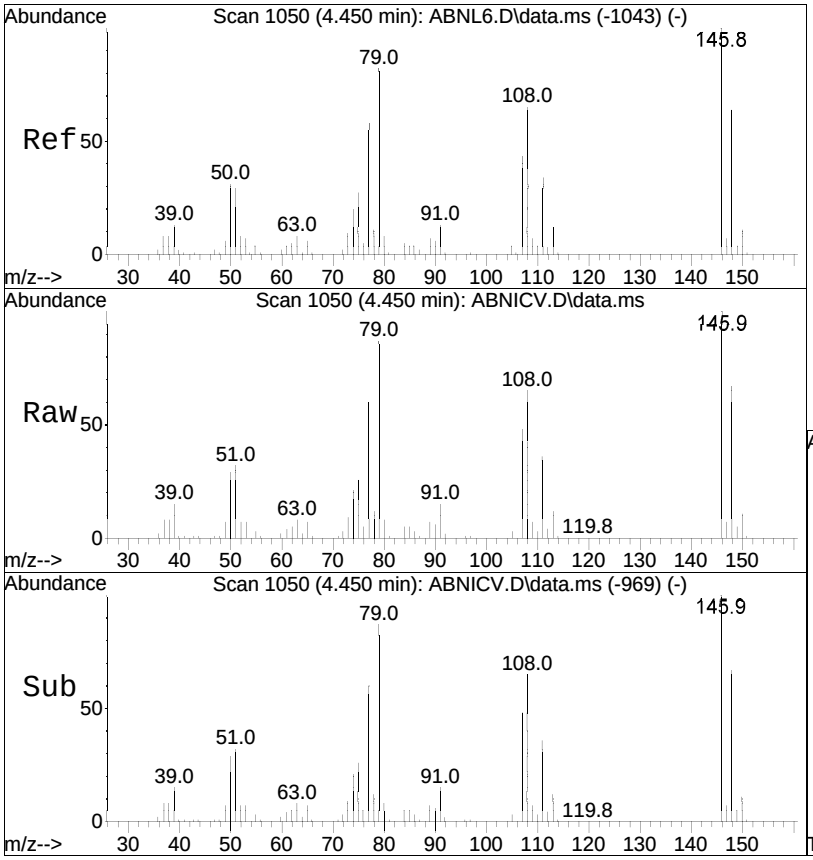


#12
1,2-Dichlorobenzene
Concen: 4.60 ug/ml
RT: 4.447 min Scan# 1049
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:146 Resp: 52815

Ion	Ratio	Lower	Upper
146	100		
111	36.7	34.6	52.0
148	65.0	50.2	75.4

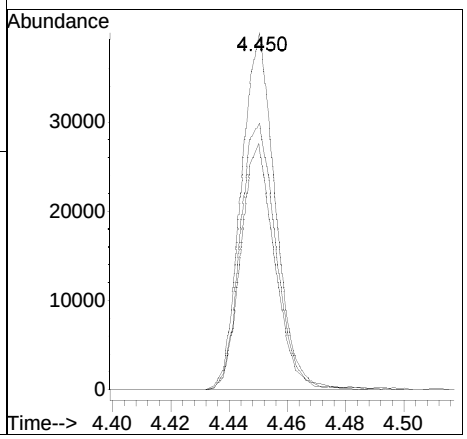


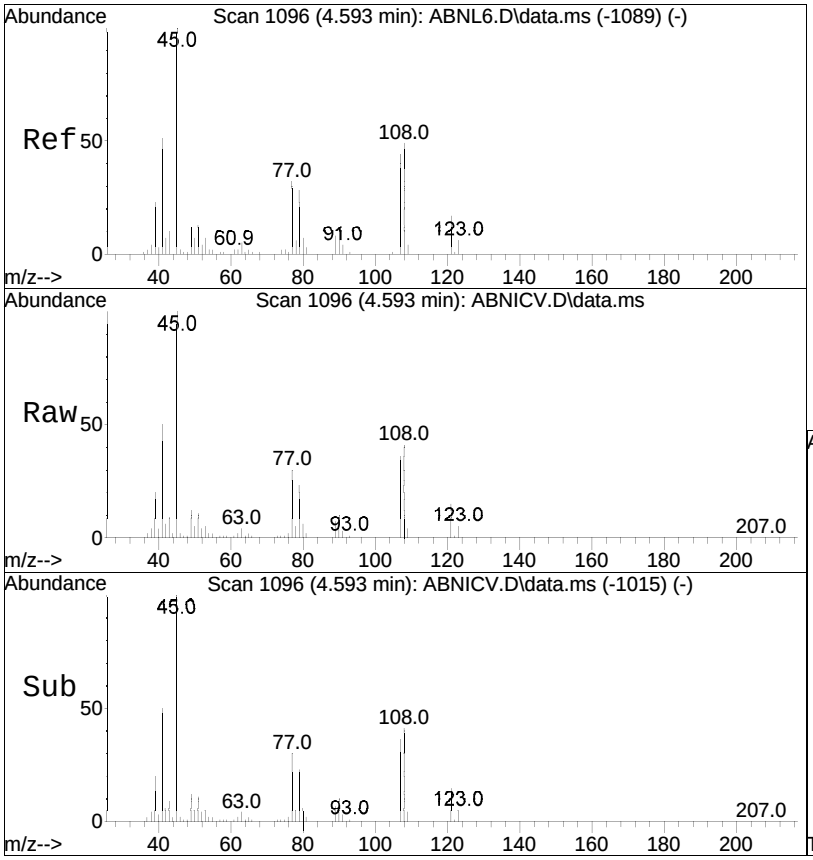


#13
Benzyl alcohol
Concen: 4.67 ug/ml
RT: 4.450 min Scan# 1050
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 79 Resp: 32533

Ion	Ratio	Lower	Upper
79	100		
77	69.3	54.9	82.3
108	77.6	63.1	94.7

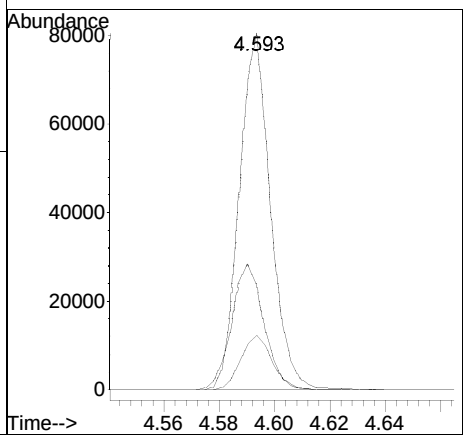


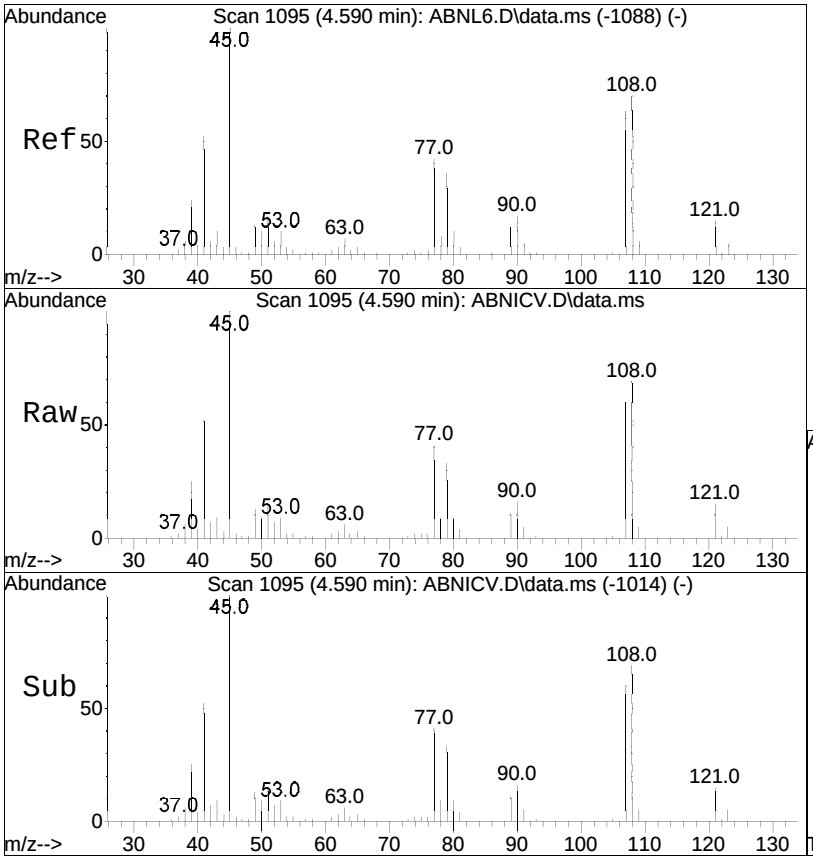


#14
Bis(2-chloroisopropyl)ether
Concen: 4.66 ug/ml
RT: 4.593 min Scan# 1096
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 45 Resp: 62522

Ion	Ratio	Lower	Upper
45	100		
121	15.5	9.8	14.6#
77	36.9	6.1	9.1#

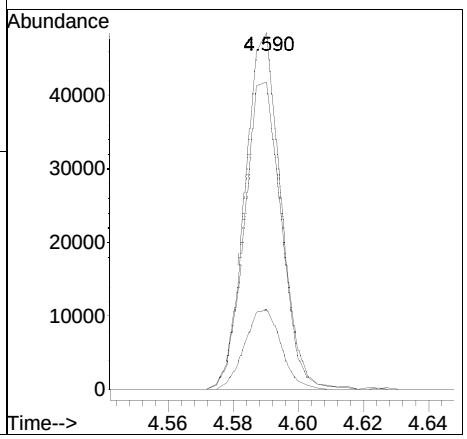


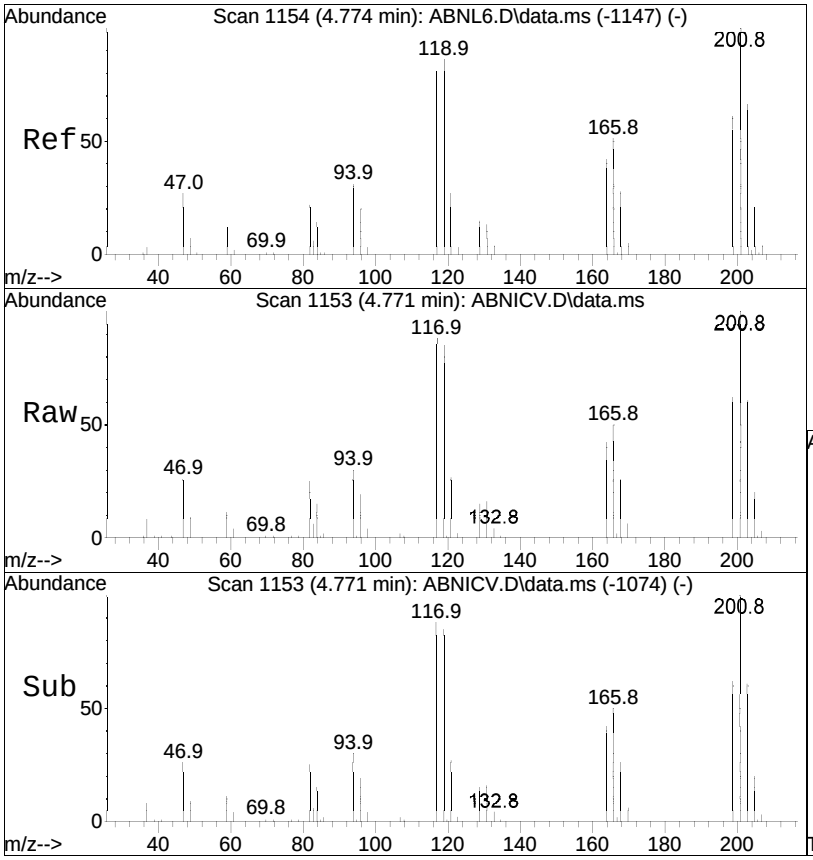


#15
2-Methylphenol
Concen: 4.59 ug/ml
RT: 4.590 min Scan# 1095
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:108 Resp: 37053

Ion	Ratio	Lower	Upper
108	100		
107	88.3	70.7	106.1
90	22.9	18.7	28.1

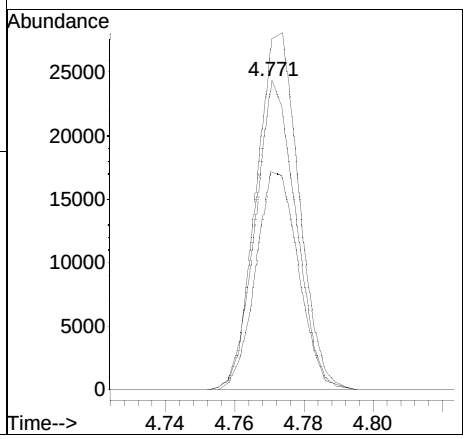


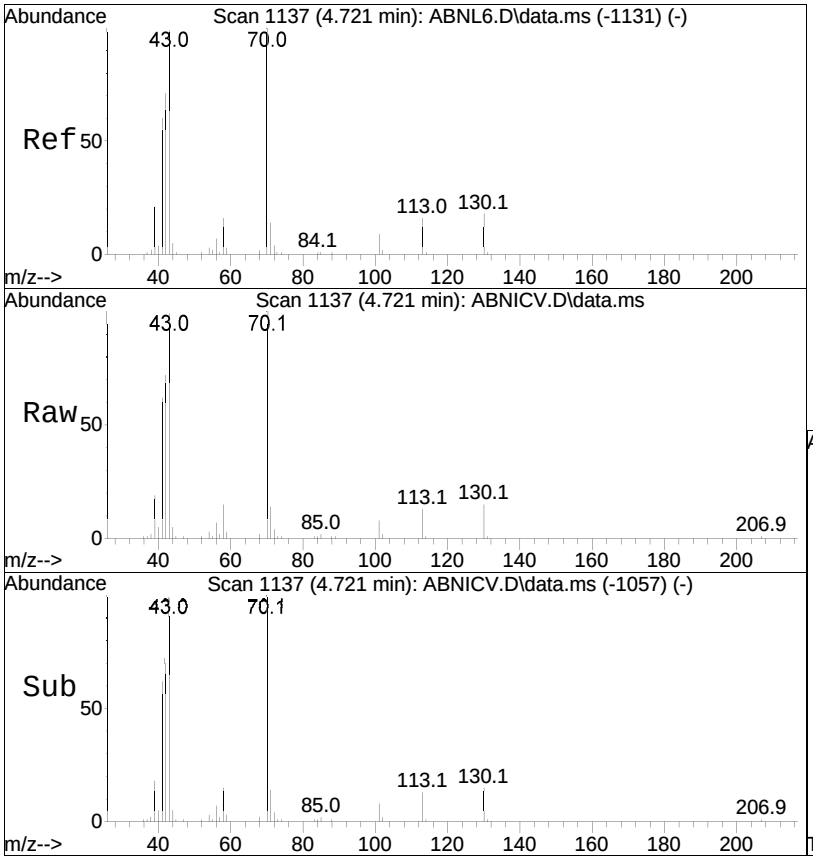


#16
Hexachloroethane
Concen: 4.49 ug/ml
RT: 4.771 min Scan# 1153
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:117 Resp: 19810

Ion	Ratio	Lower	Upper
117	100		
201	121.1	58.6	87.8#
199	74.6	36.9	55.3#

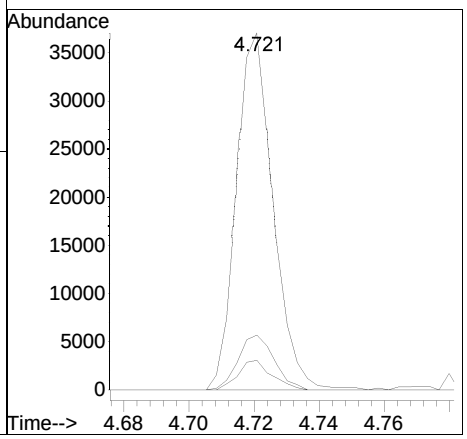


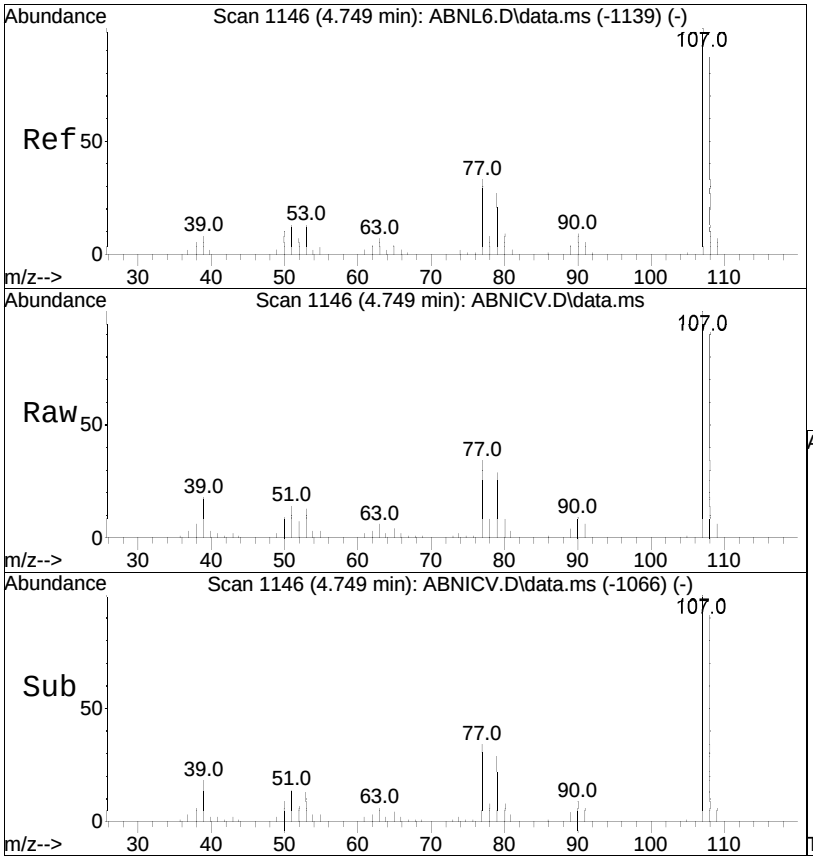


#17
n-Nitrosodi-n-propylamine
Concen: 4.48 ug/ml
RT: 4.721 min Scan# 1137
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 70 Resp: 28948

Ion	Ratio	Lower	Upper
70	100		
130	15.1	18.2	27.4#
101	7.5	7.8	11.8#

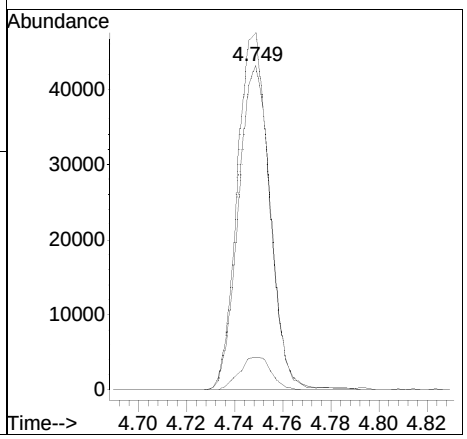


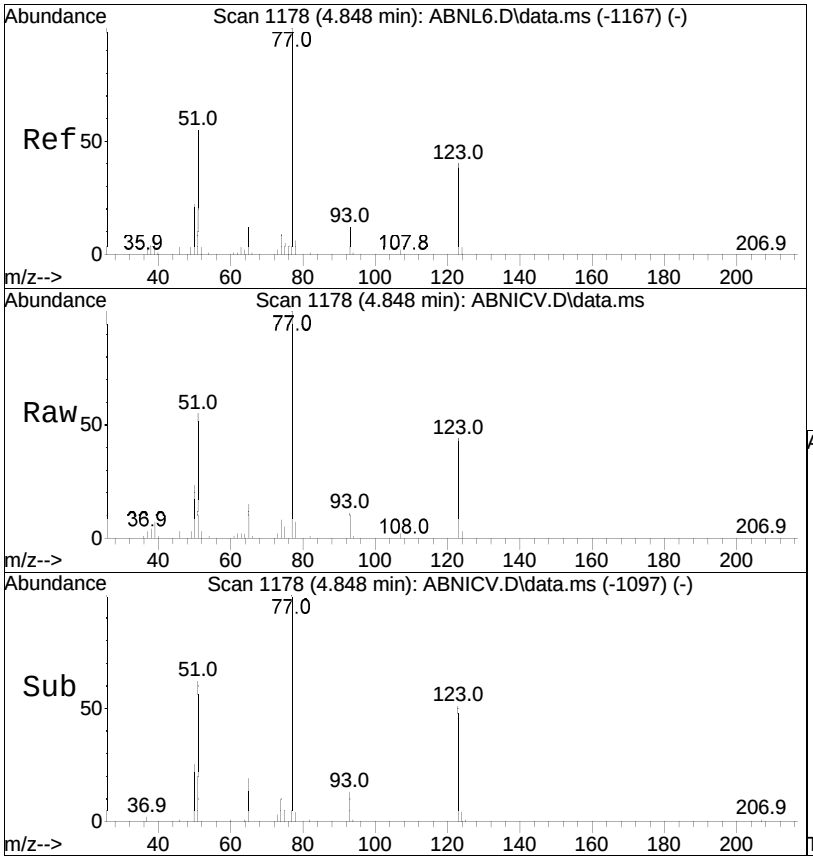


#18
3-Methylphenol/4-Methylphenol
Concen: 4.49 ug/ml
RT: 4.749 min Scan# 1146
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:108 Resp: 39726

Ion	Ratio	Lower	Upper
108	100		
107	110.8	88.6	132.8
90	10.1	8.8	13.2

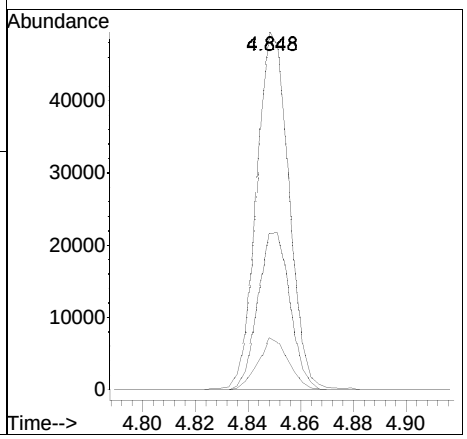


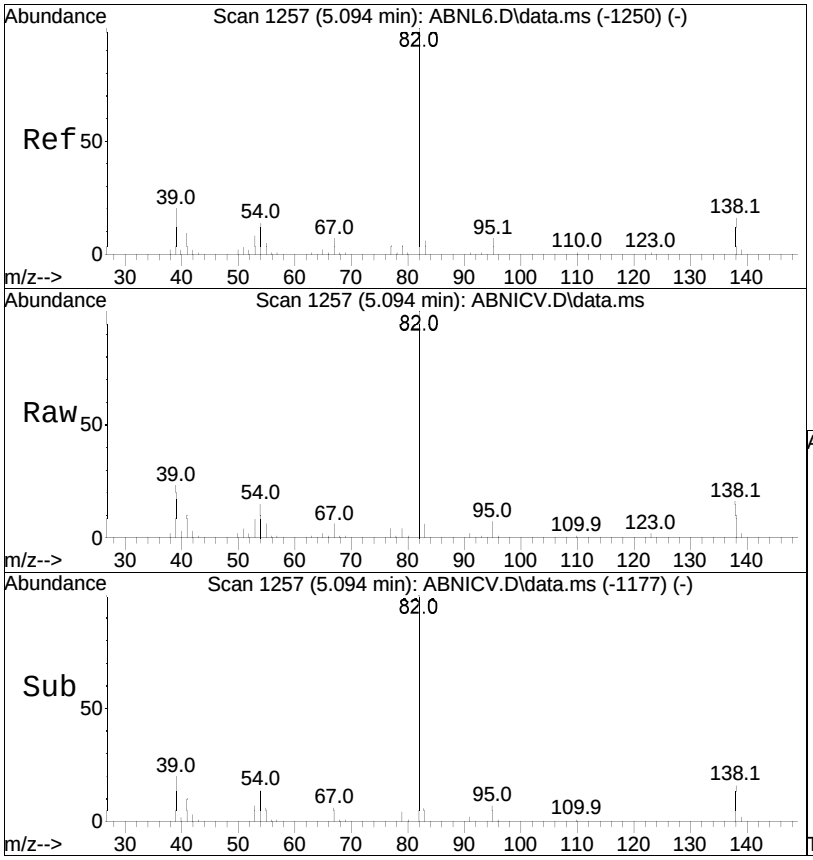


#20
Nitrobenzene
Concen: 4.59 ug/ml
RT: 4.848 min Scan# 1178
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 77 Resp: 42031

Ion	Ratio	Lower	Upper
77	100		
123	43.6	36.3	54.5
65	13.7	11.6	17.4

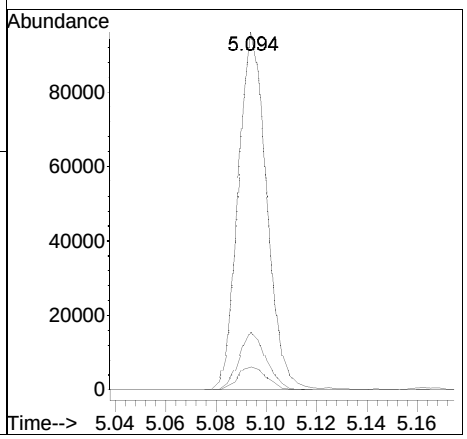


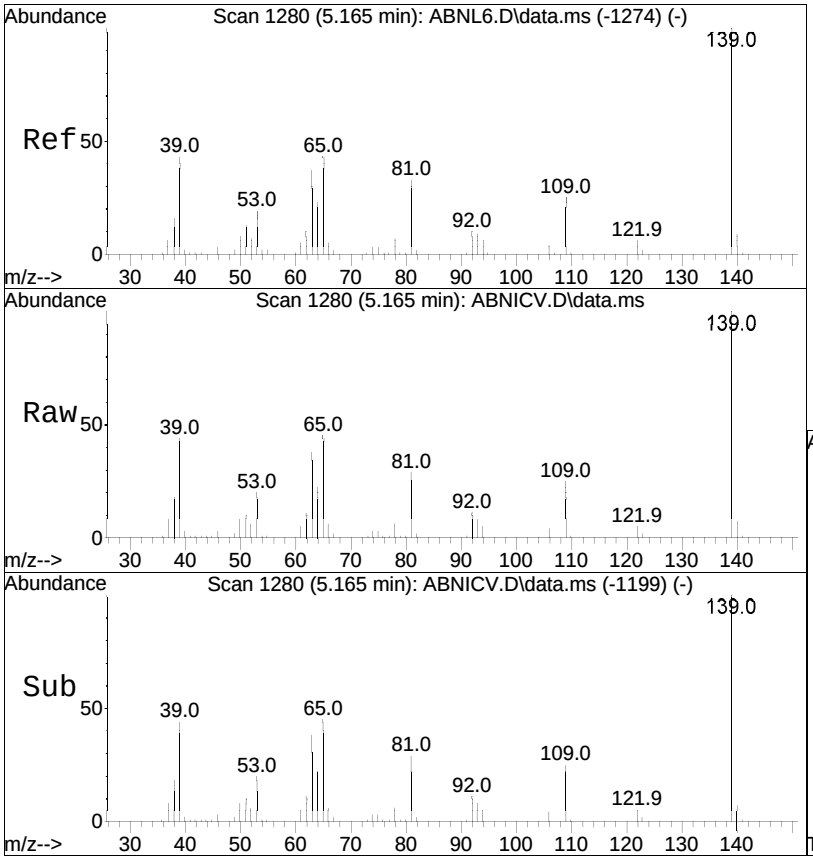


#21
Isophorone
Concen: 4.48 ug/ml
RT: 5.094 min Scan# 1257
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 82 Resp: 75307

Ion	Ratio	Lower	Upper
82	100		
138	15.4	14.7	22.1
95	6.7	5.2	7.8

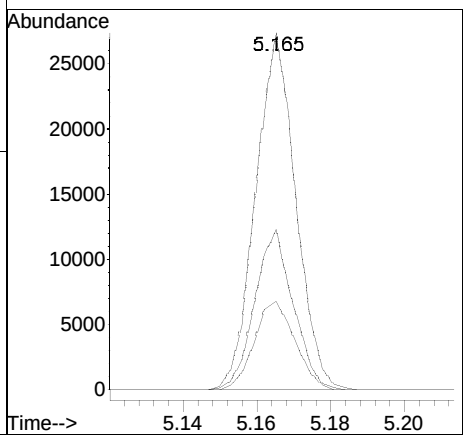


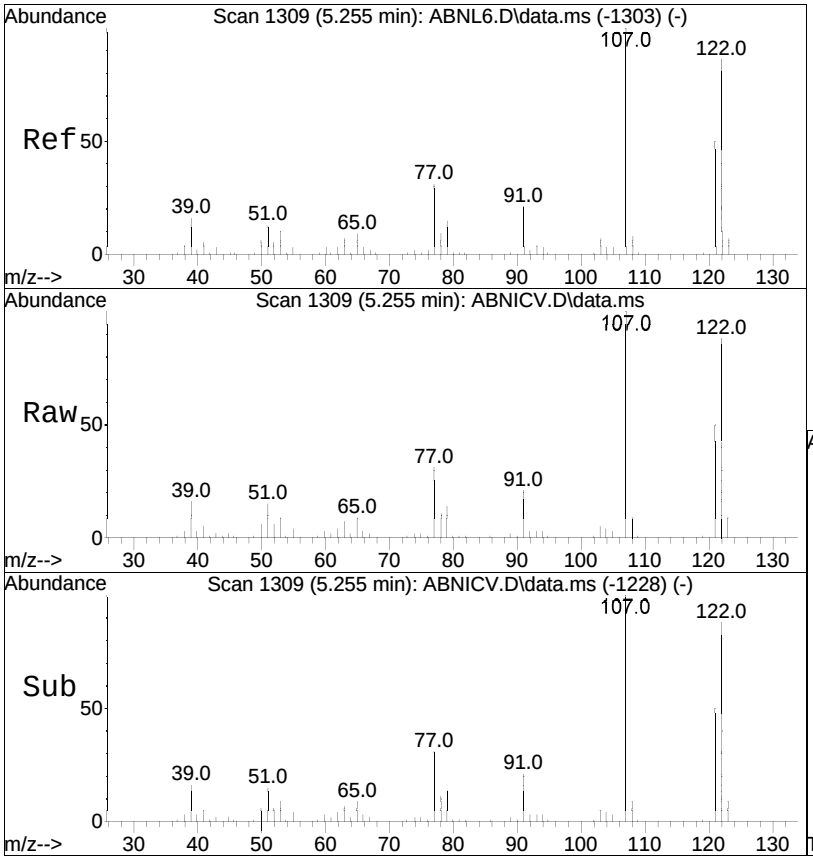


#22
2-Nitrophenol
Concen: 4.42 ug/ml
RT: 5.165 min Scan# 1280
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:139 Resp: 20467

Ion	Ratio	Lower	Upper
139	100		
109	25.3	19.4	29.0
65	43.3	46.1	69.1#

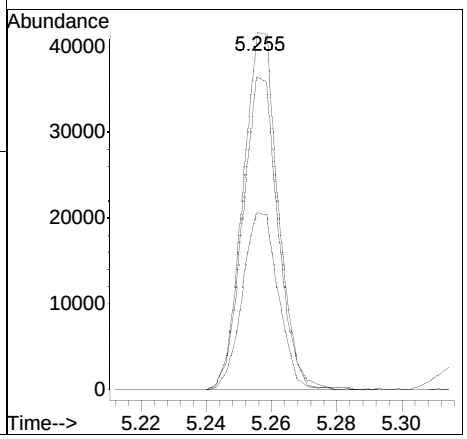


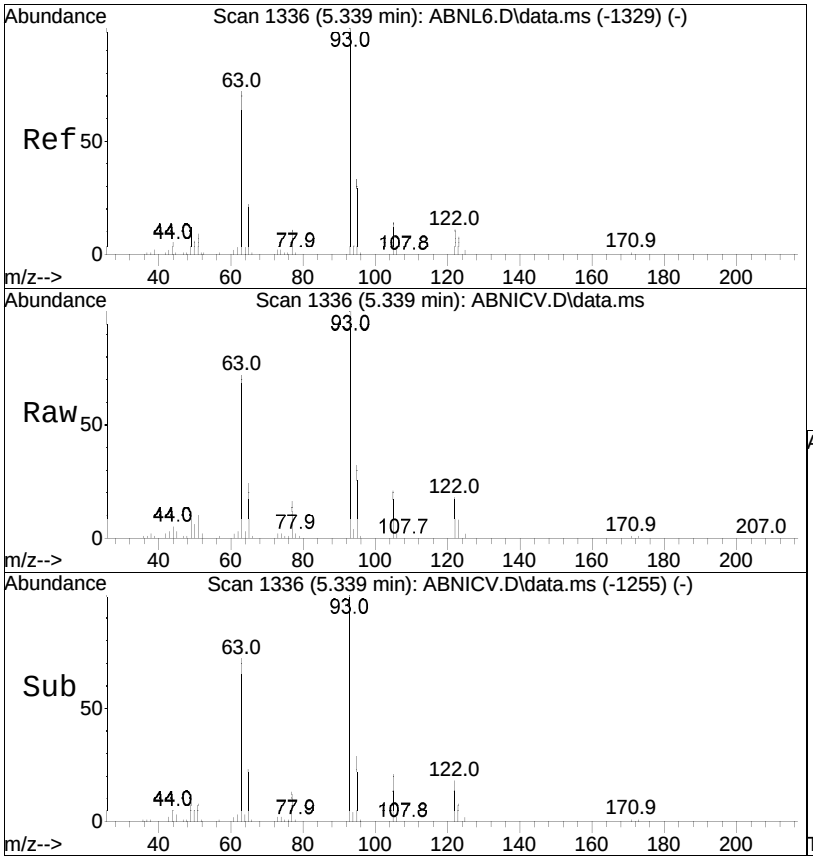


#23
2,4-Dimethylphenol
Concen: 3.79 ug/ml
RT: 5.255 min Scan# 1309
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:107 Resp: 31220

Ion	Ratio	Lower	Upper
107	100		
121	50.5	40.0	60.0
122	87.0	70.2	105.4

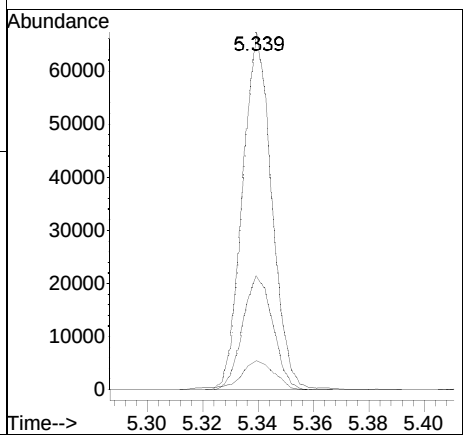


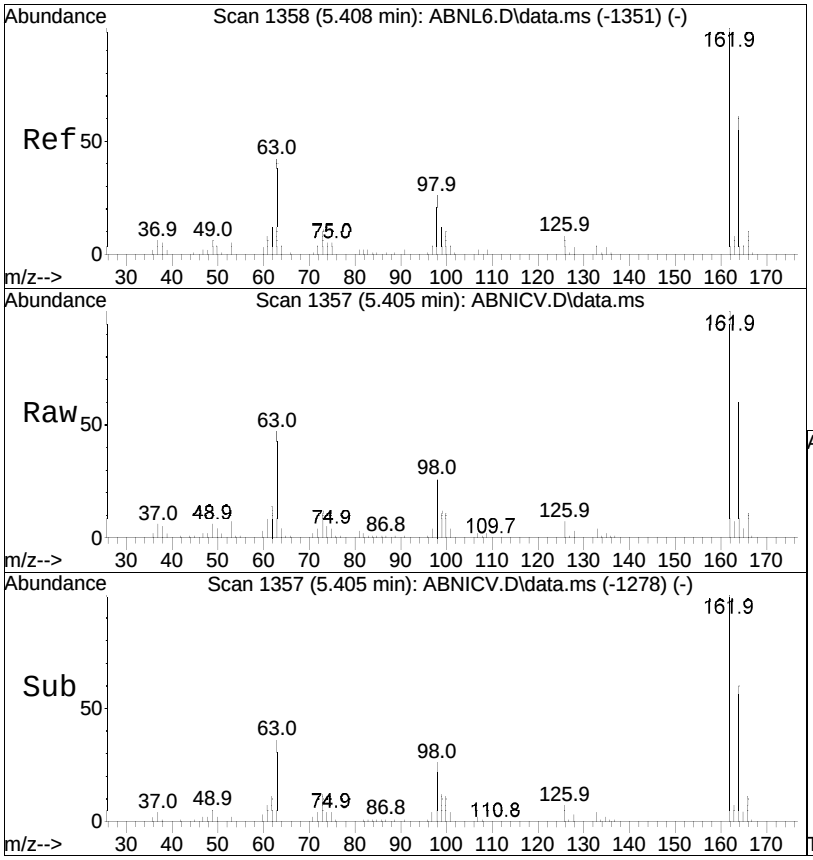


#24
Bis(2-chloroethoxy)methane
Concen: 4.69 ug/ml
RT: 5.339 min Scan# 1336
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 93 Resp: 49166

Ion	Ratio	Lower	Upper
93	100		
95	33.3	25.8	38.8
123	9.9	10.1	15.1#

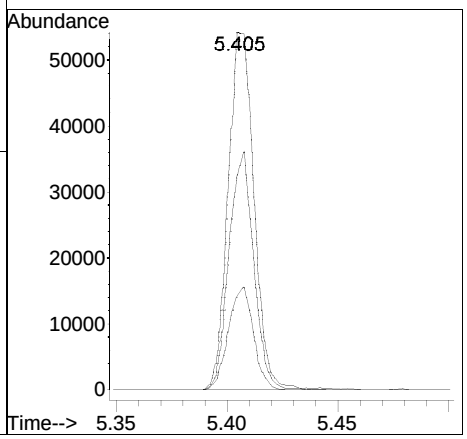


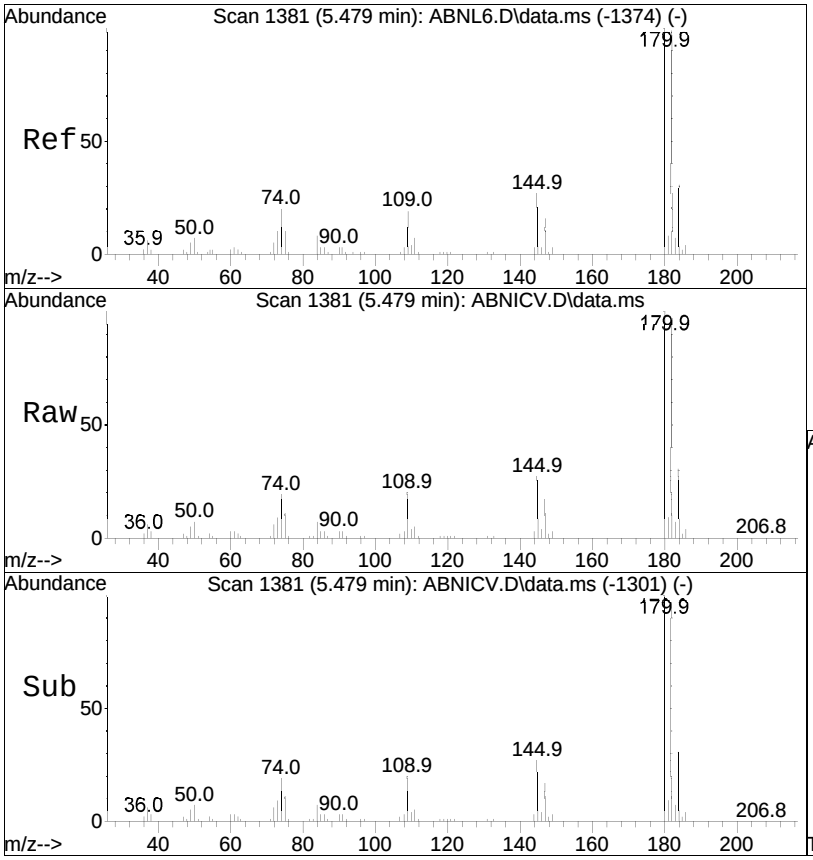


#25
2,4-Dichlorophenol
Concen: 4.55 ug/ml
RT: 5.405 min Scan# 1357
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:162 Resp: 43788

Ion	Ratio	Lower	Upper
162	100		
164	63.2	51.0	76.4
98	27.9	32.2	48.2#

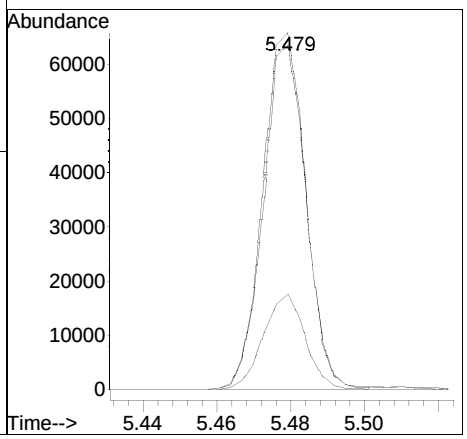


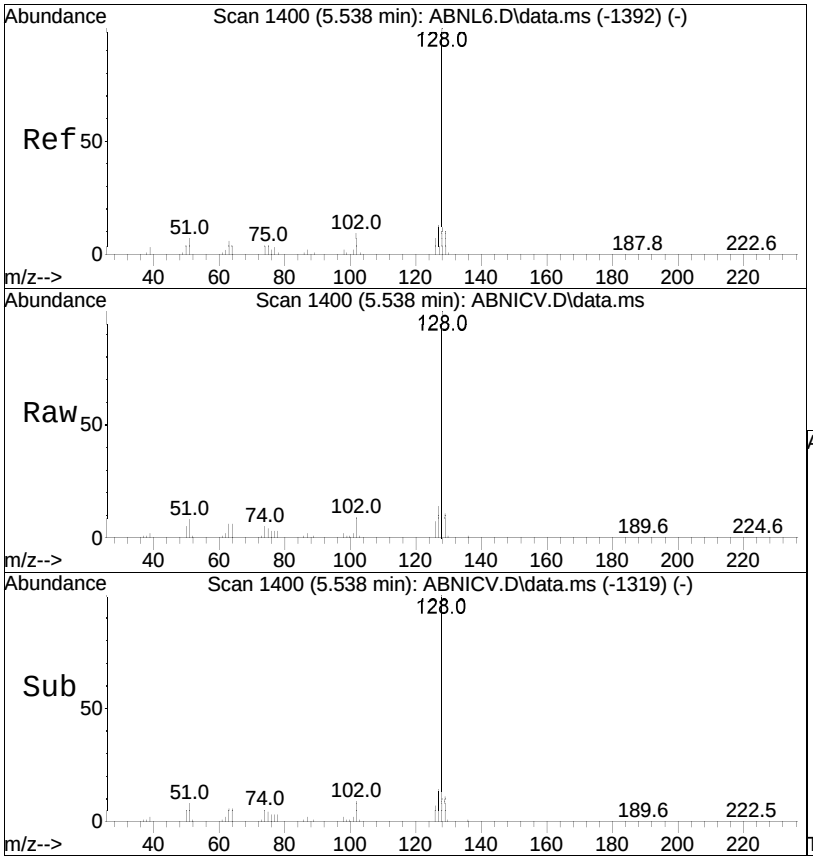


#26
1,2,4-Trichlorobenzene
Concen: 4.56 ug/ml
RT: 5.479 min Scan# 1381
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:180 Resp: 53081

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.0	114.0
145	26.1	25.7	38.5

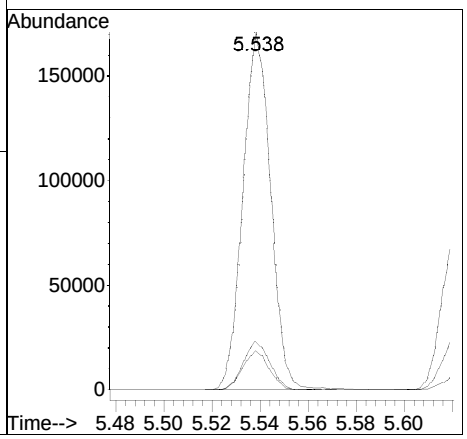


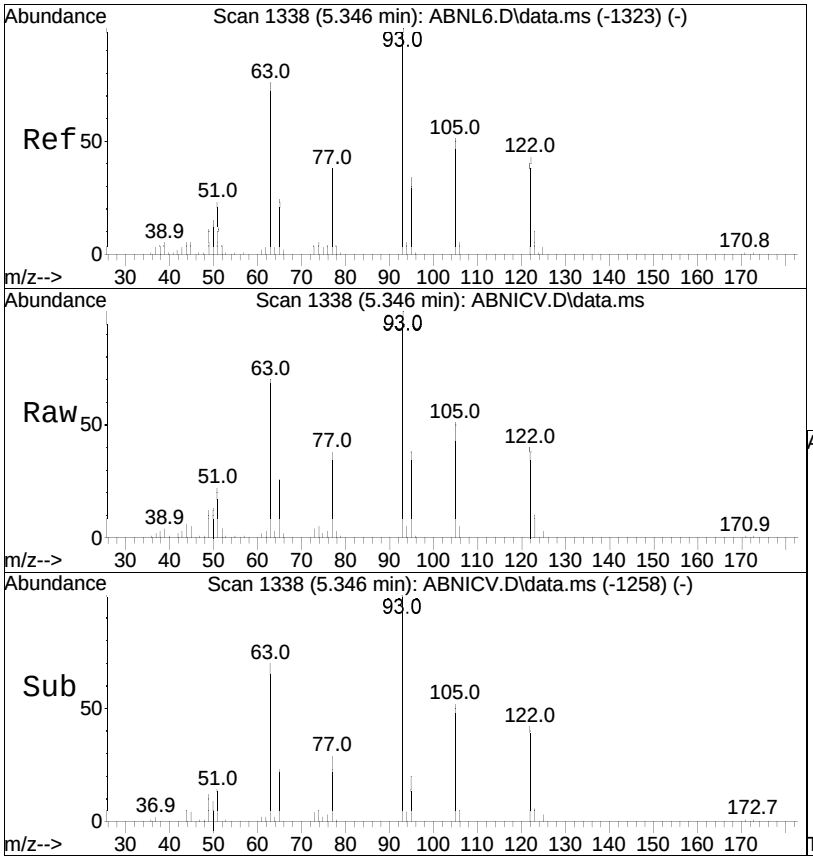


#38
Naphthalene
Concen: 4.45 ug/ml
RT: 5.538 min Scan# 1400
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:128 Resp: 136778

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	13.2	10.3	15.5

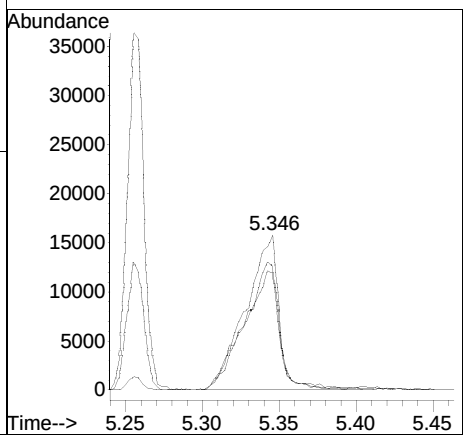


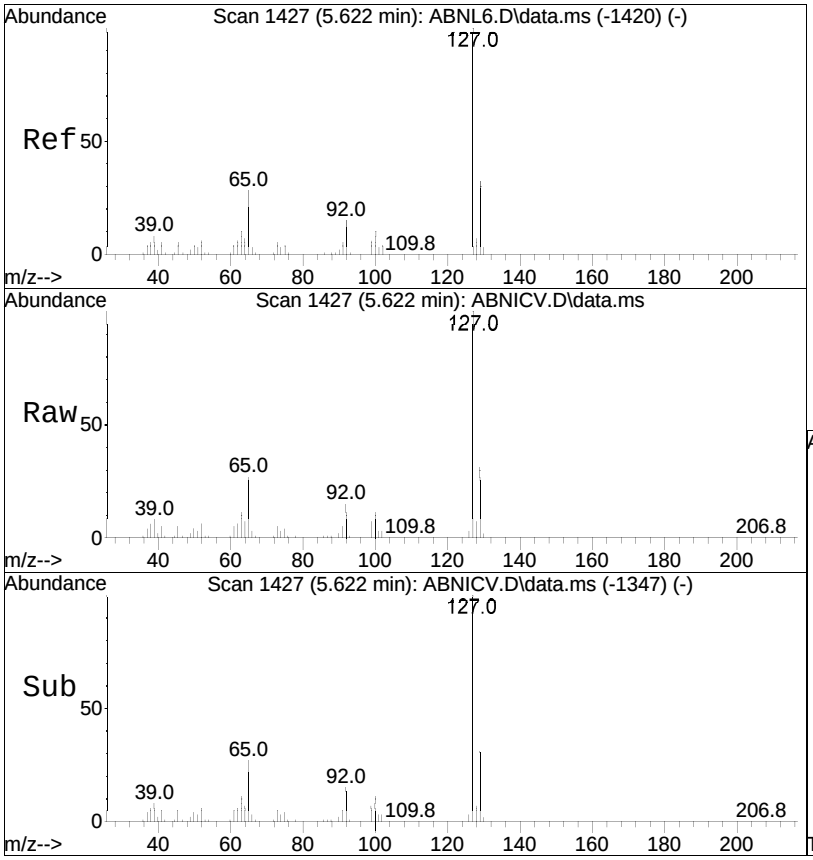


#39
Benzoic Acid
Concen: 3.83 ug/ml
RT: 5.346 min Scan# 1338
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:105 Resp: 24373

Ion	Ratio	Lower	Upper
105	100		
122	85.1	59.9	89.9
77	78.7	60.1	90.1

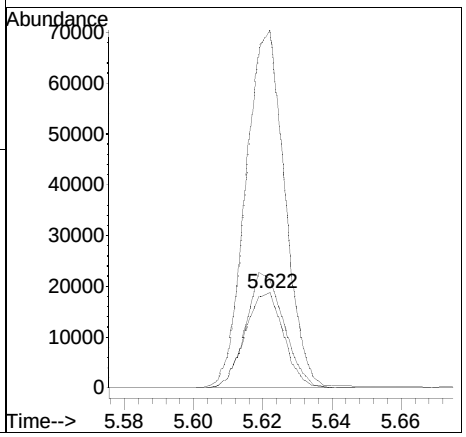


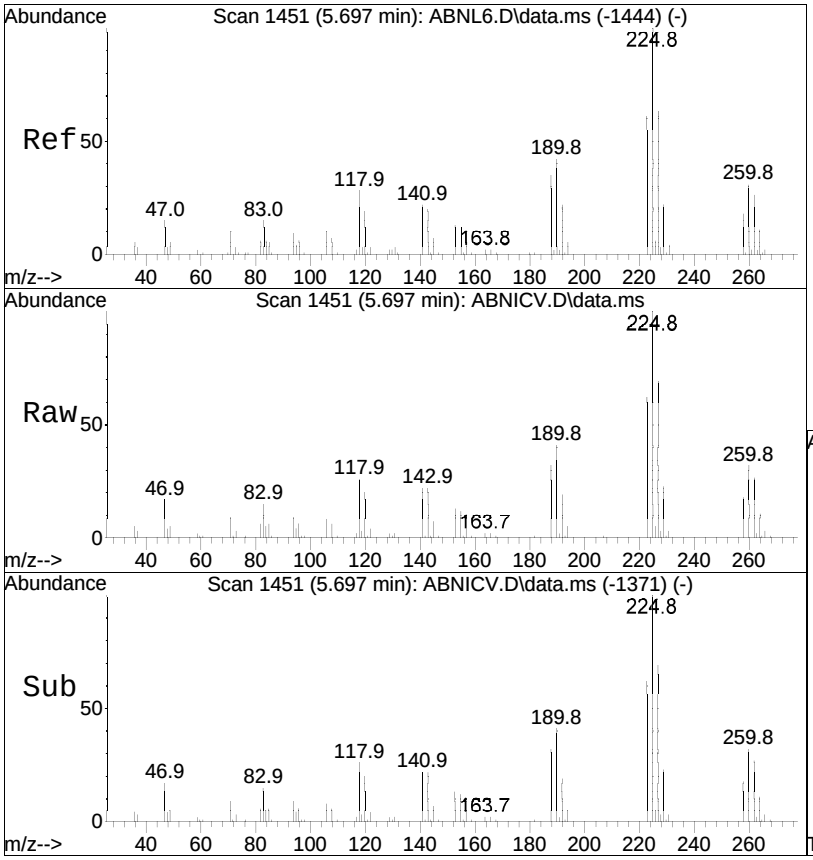


#40
4-Chloroaniline
Concen: 4.31 ug/ml
RT: 5.622 min Scan# 1427
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 65 Resp: 14569

Ion	Ratio	Lower	Upper
65	100		
127	377.7	237.6	356.4#
129	118.8	76.3	114.5#

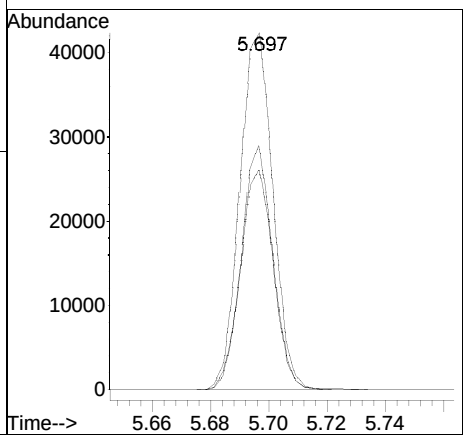


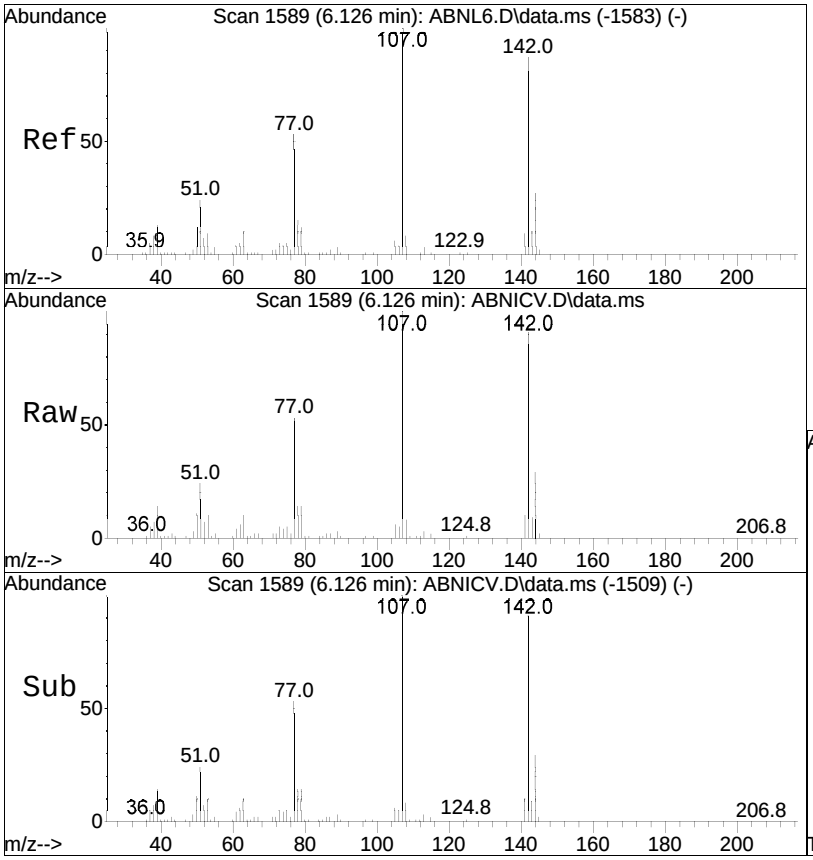


#41
Hexachlorobutadiene
Concen: 4.65 ug/ml
RT: 5.697 min Scan# 1451
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:225 Resp: 33536

Ion	Ratio	Lower	Upper
225	100		
223	60.9	50.3	75.5
227	65.3	52.2	78.2

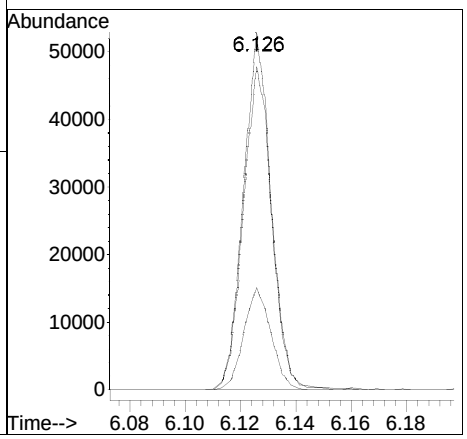


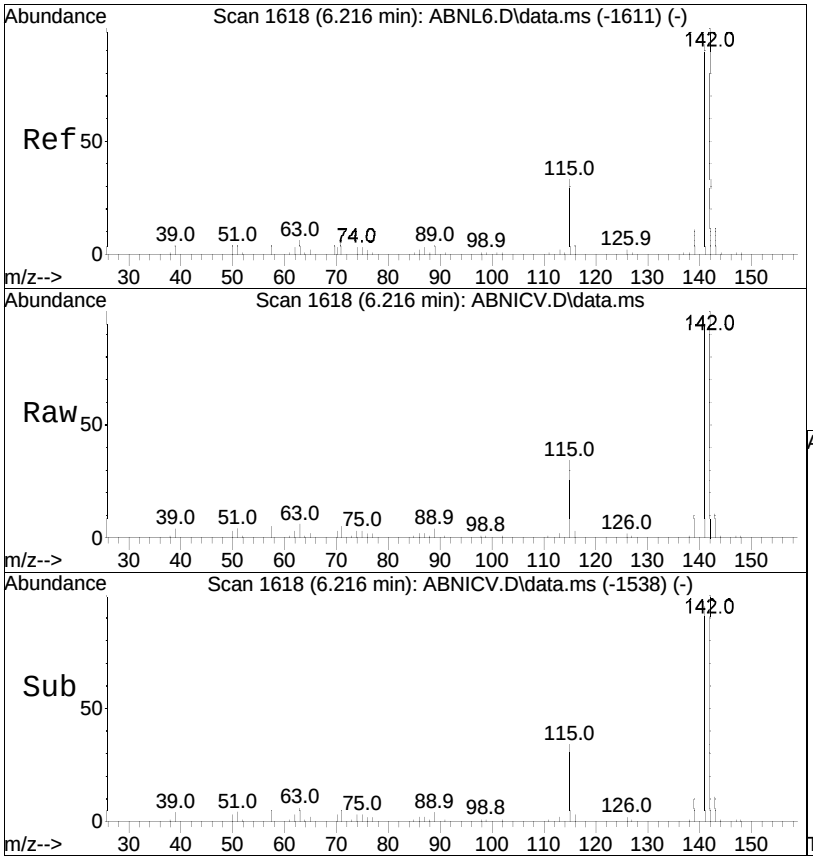


#42
p-Chloro-m-cresol
Concen: 4.51 ug/ml
RT: 6.126 min Scan# 1589
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:107 Resp: 36518

Ion	Ratio	Lower	Upper
107	100		
144	28.1	20.9	31.3
142	92.2	66.1	99.1

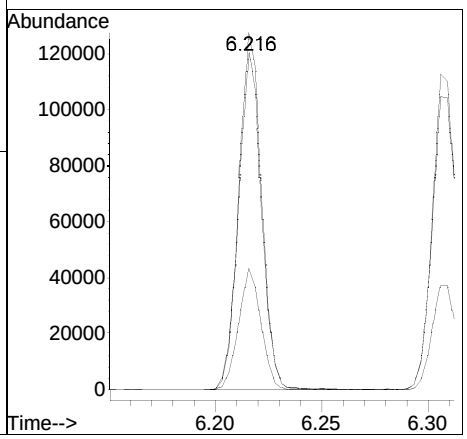


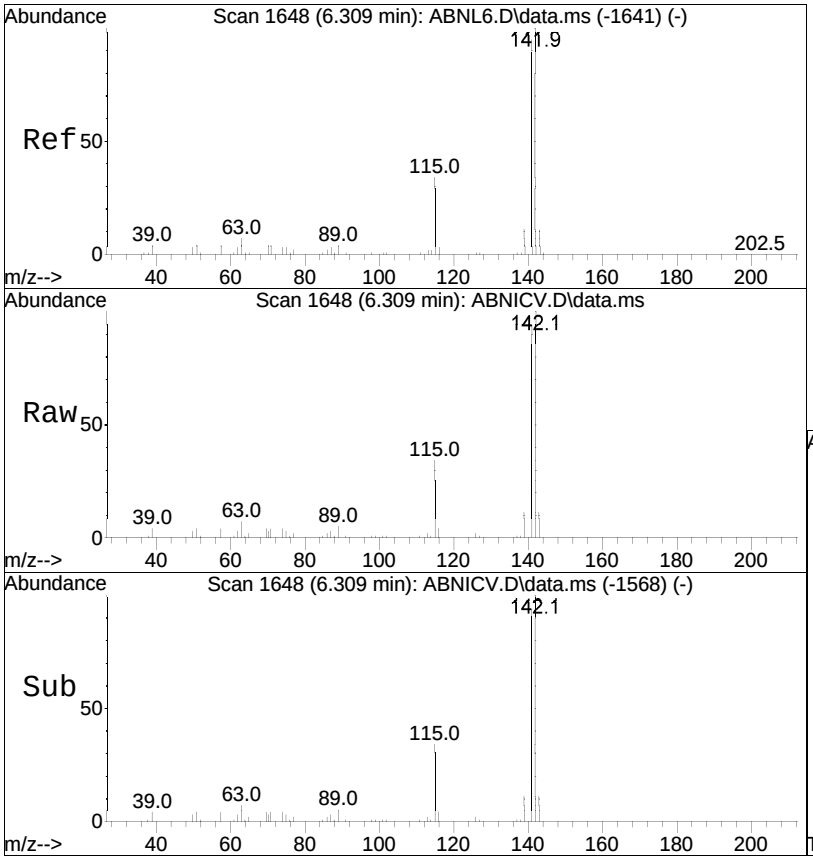


#43
2-Methylnaphthalene
Concen: 4.53 ug/ml
RT: 6.216 min Scan# 1618
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:142 Resp: 96343

Ion	Ratio	Lower	Upper
142	100		
141	93.0	69.6	104.4
115	33.1	26.6	40.0

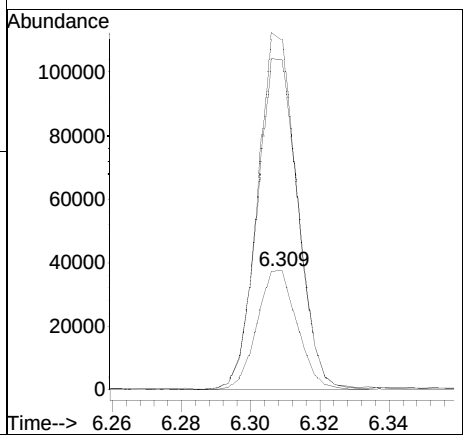


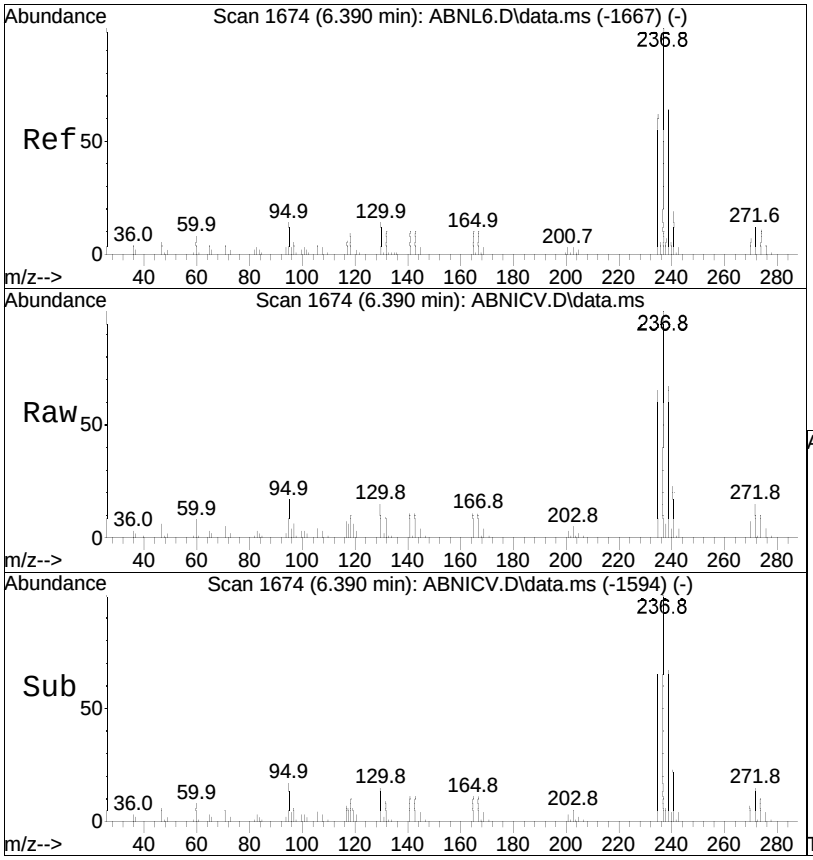


#44
1-Methylnaphthalene
Concen: 4.52 ug/ml
RT: 6.309 min Scan# 1648
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:115 Resp: 30554

Ion	Ratio	Lower	Upper
115	100		
141	278.0	207.8	311.6
142	291.9	226.8	340.2

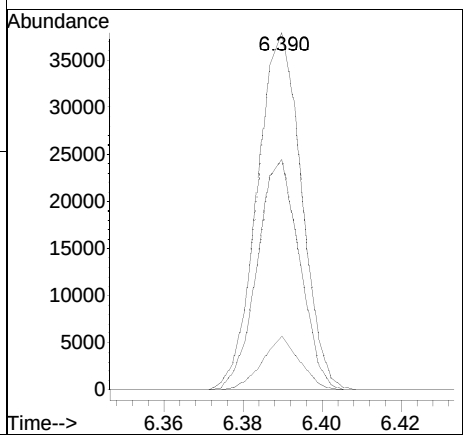


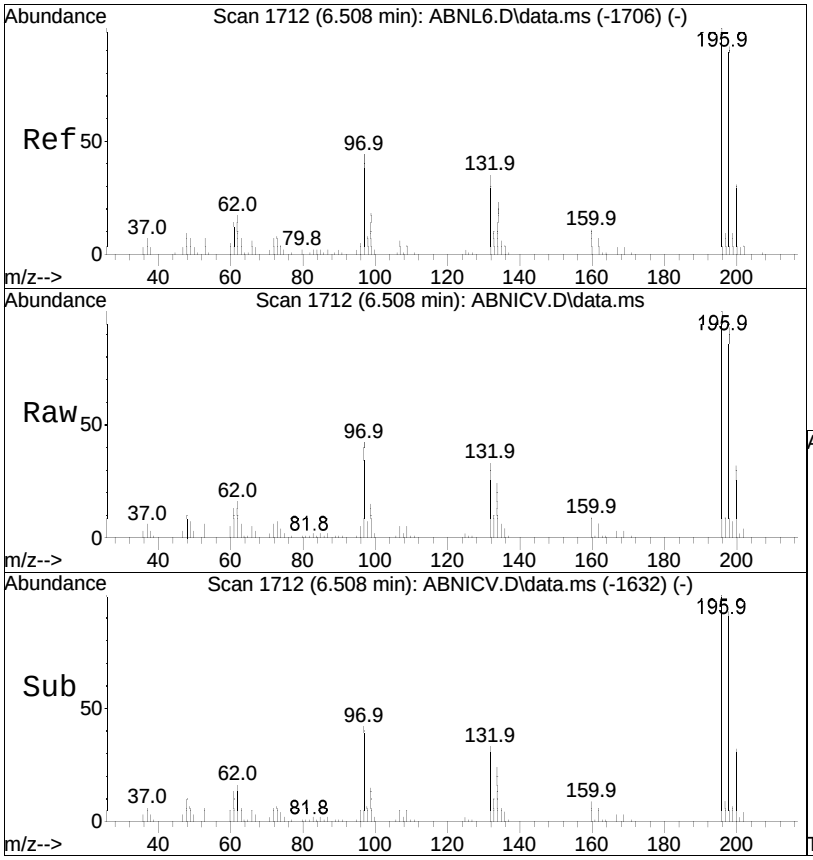


#45
Hexachlorocyclopentadiene
Concen: 3.87 ug/ml
RT: 6.390 min Scan# 1674
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:237 Resp: 29425

Ion	Ratio	Lower	Upper
237	100		
235	61.8	49.7	74.5
272	12.8	9.8	14.6

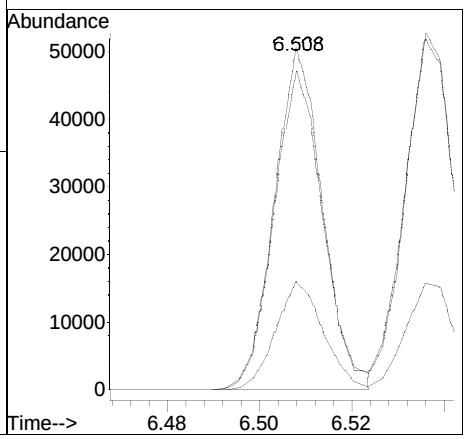


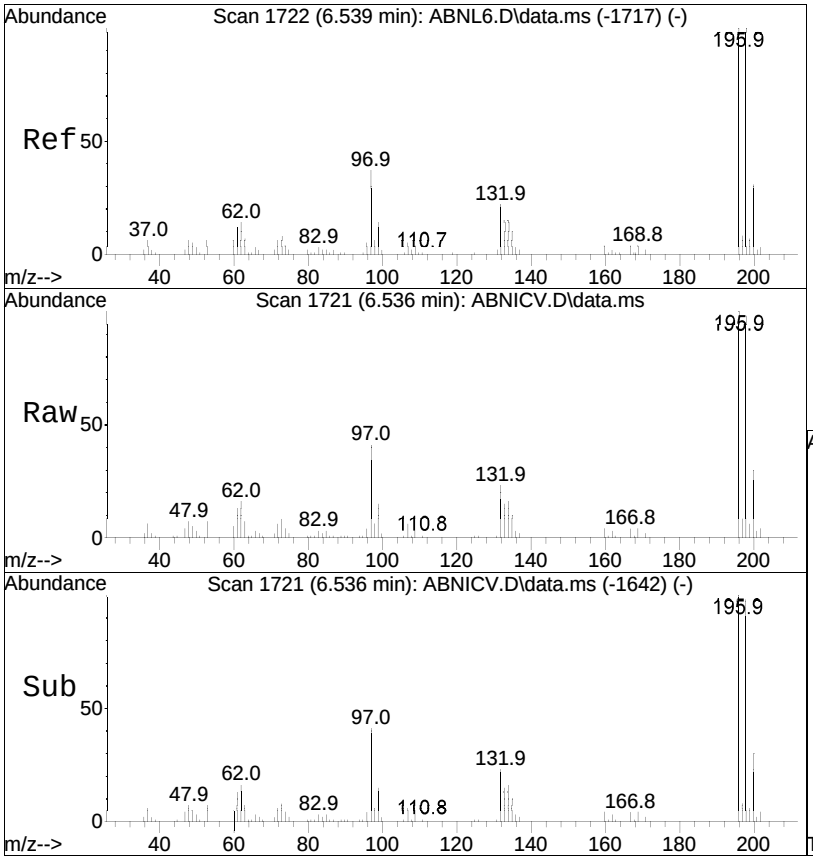


#46
2,4,6-Trichlorophenol
Concen: 4.58 ug/ml
RT: 6.508 min Scan# 1712
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:196 Resp: 36634

Ion	Ratio	Lower	Upper
196	100		
198	94.9	77.5	116.3
200	31.6	23.8	35.6

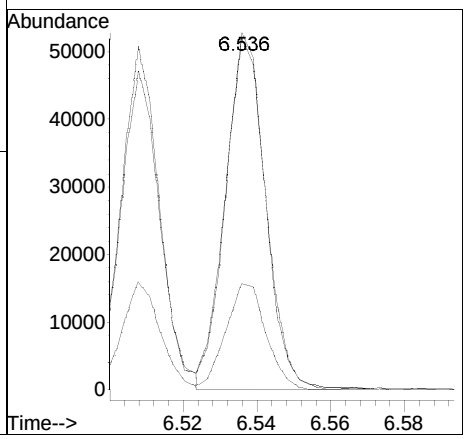


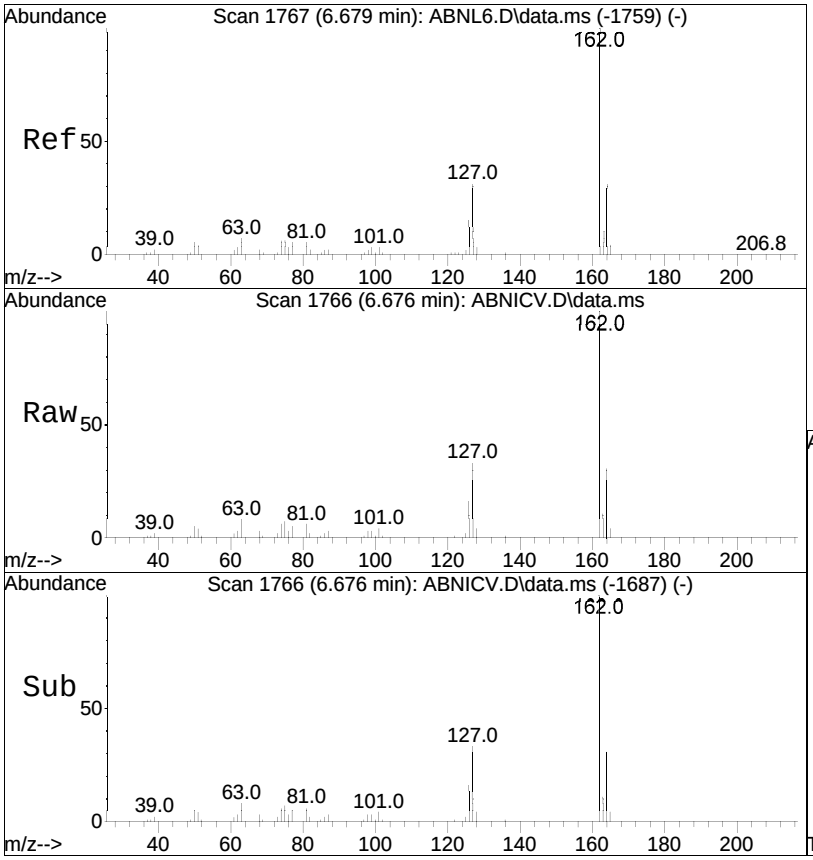


#47
2,4,5-Trichlorophenol
Concen: 4.43 ug/ml
RT: 6.536 min Scan# 1721
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:196 Resp: 39640

Ion	Ratio	Lower	Upper
196	100		
200	30.1	25.4	38.0
198	98.2	78.0	117.0

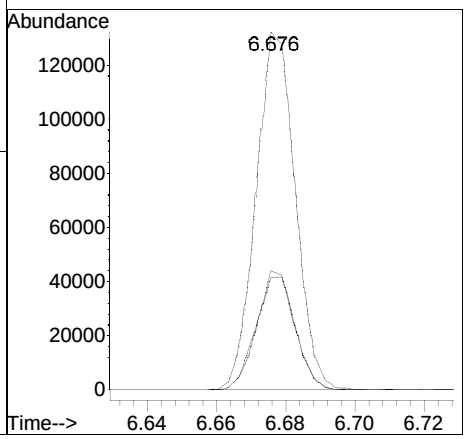


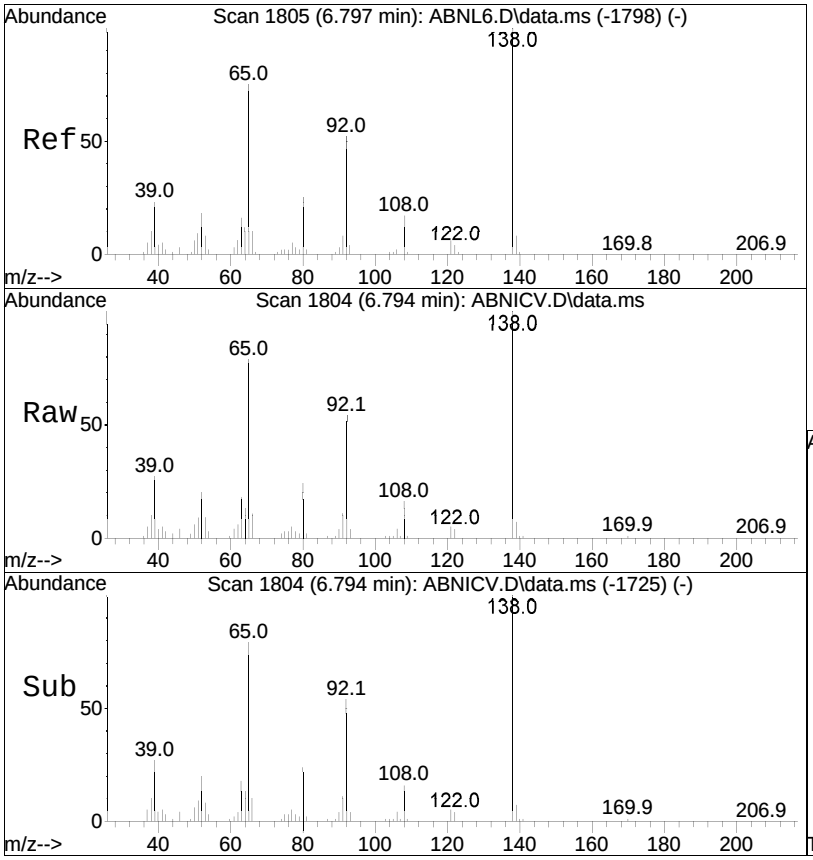


#49
2-Chloronaphthalene
Concen: 4.33 ug/ml
RT: 6.676 min Scan# 1766
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:162 Resp: 103138

Ion	Ratio	Lower	Upper
162	100		
127	32.6	32.2	48.4
164	31.6	25.7	38.5

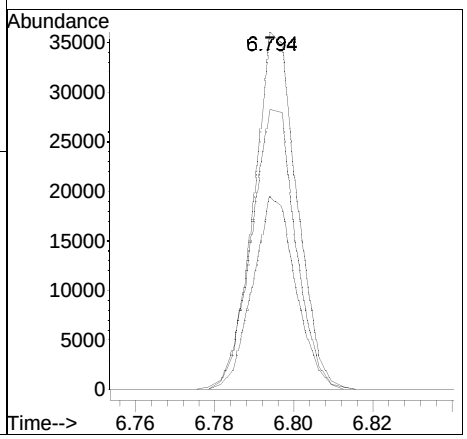


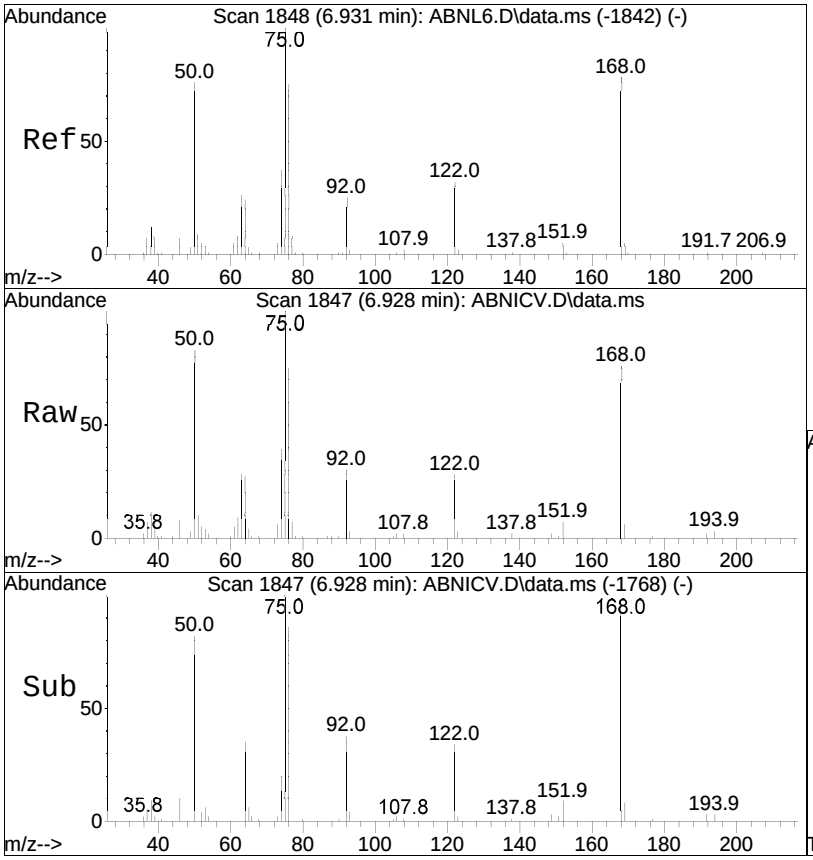


#50
2-Nitroaniline
Concen: 4.45 ug/ml
RT: 6.794 min Scan# 1804
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:138 Resp: 27096

Ion	Ratio	Lower	Upper
138	100		
92	54.3	53.5	80.3
65	80.7	86.3	129.5#

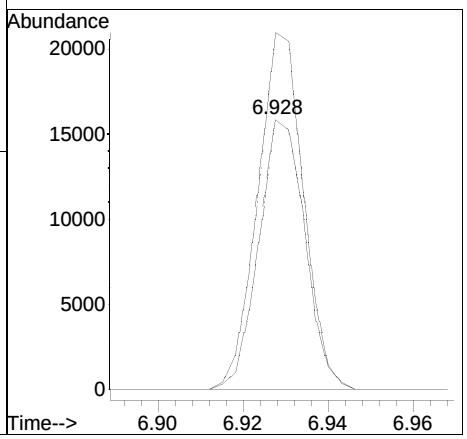


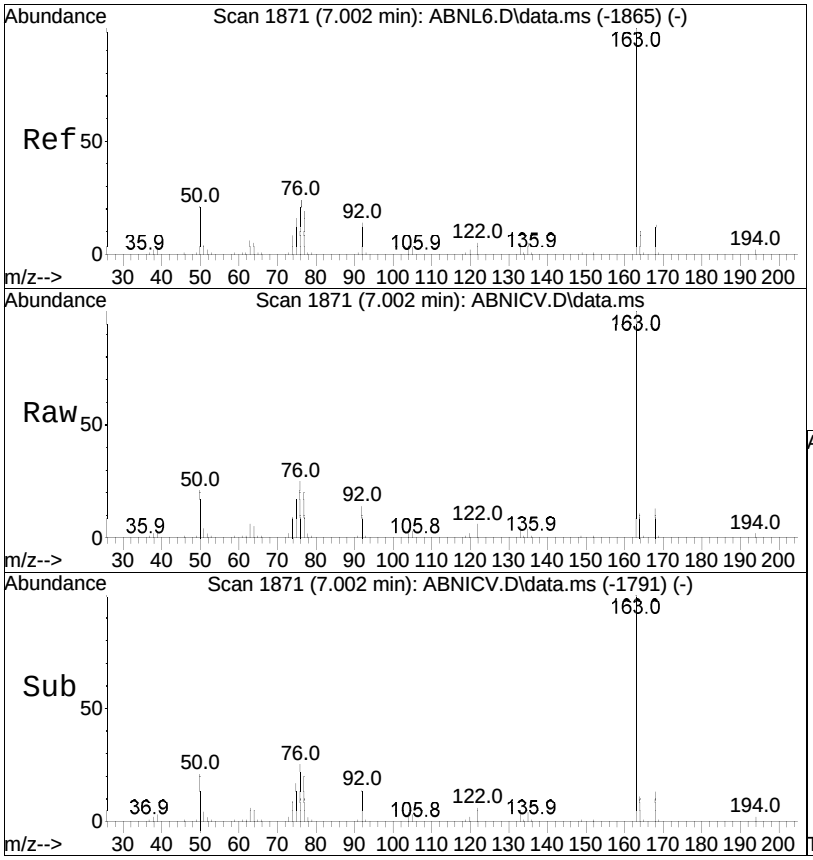


#51
1,4-Dinitrobenzene
Concen: 4.50 ug/ml
RT: 6.928 min Scan# 1847
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 11911

Ion	Ratio	Lower	Upper
168	100		
75	131.0	121.8	182.8

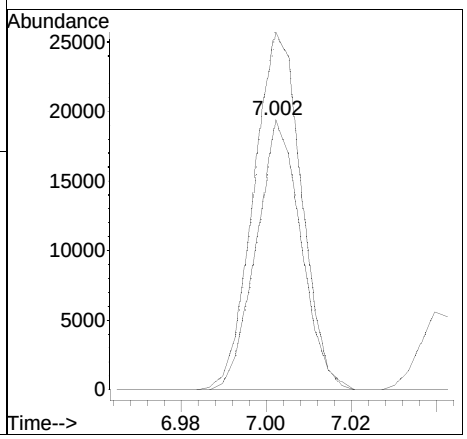


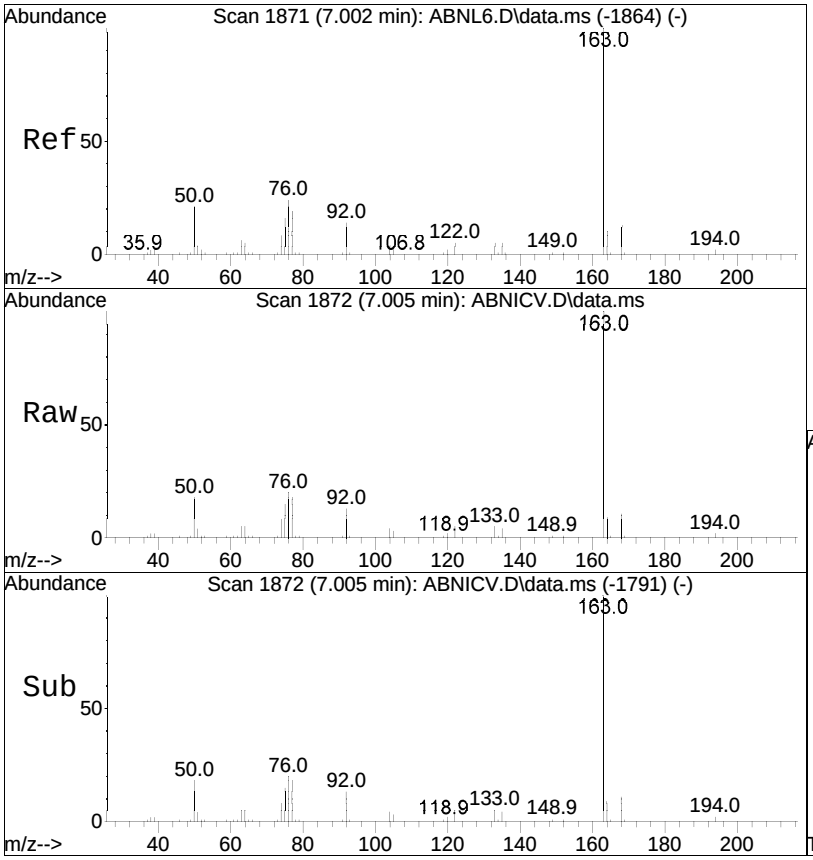


#52
1,3-Dinitrobenzene
Concen: 4.43 ug/ml
RT: 7.002 min Scan# 1871
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 14057

Ion	Ratio	Lower	Upper
168	100		
75	141.5	22.7	34.1#

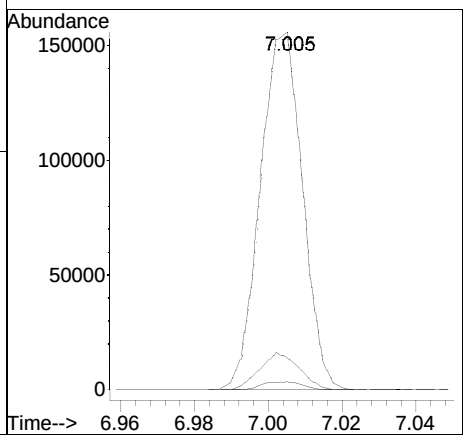


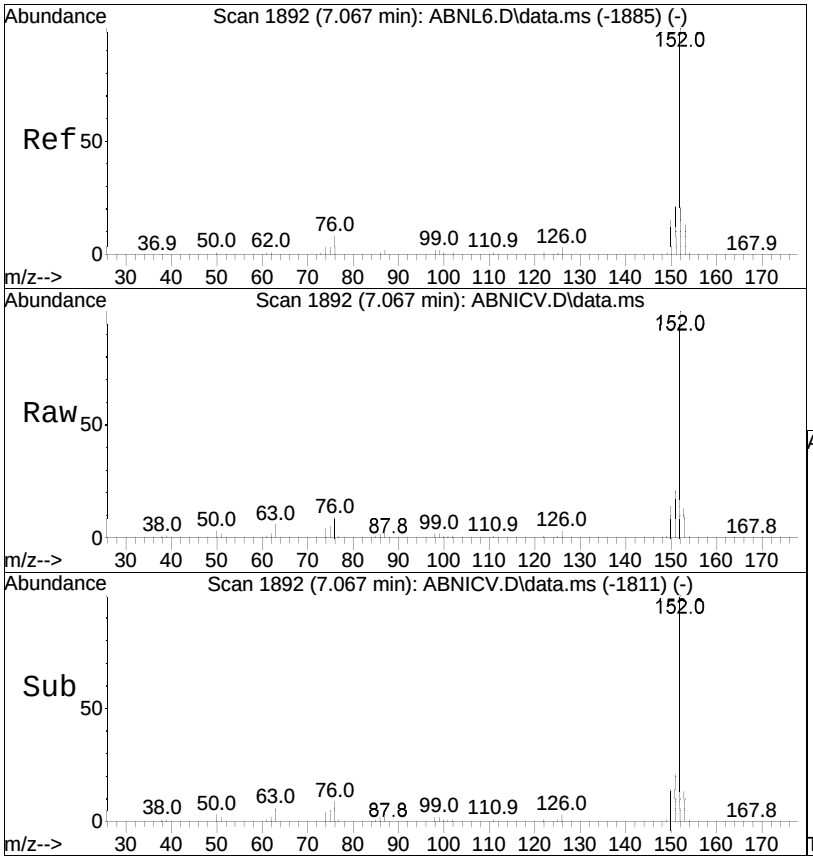


#53
Dimethyl phthalate
Concen: 4.44 ug/ml
RT: 7.005 min Scan# 1872
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:163 Resp: 122829

Ion	Ratio	Lower	Upper
163	100		
194	2.3	3.5	5.3#
164	9.9	7.9	11.9

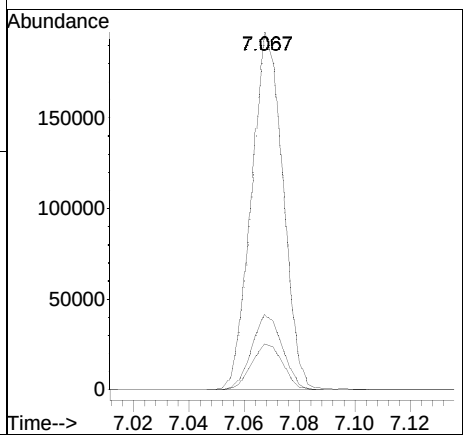


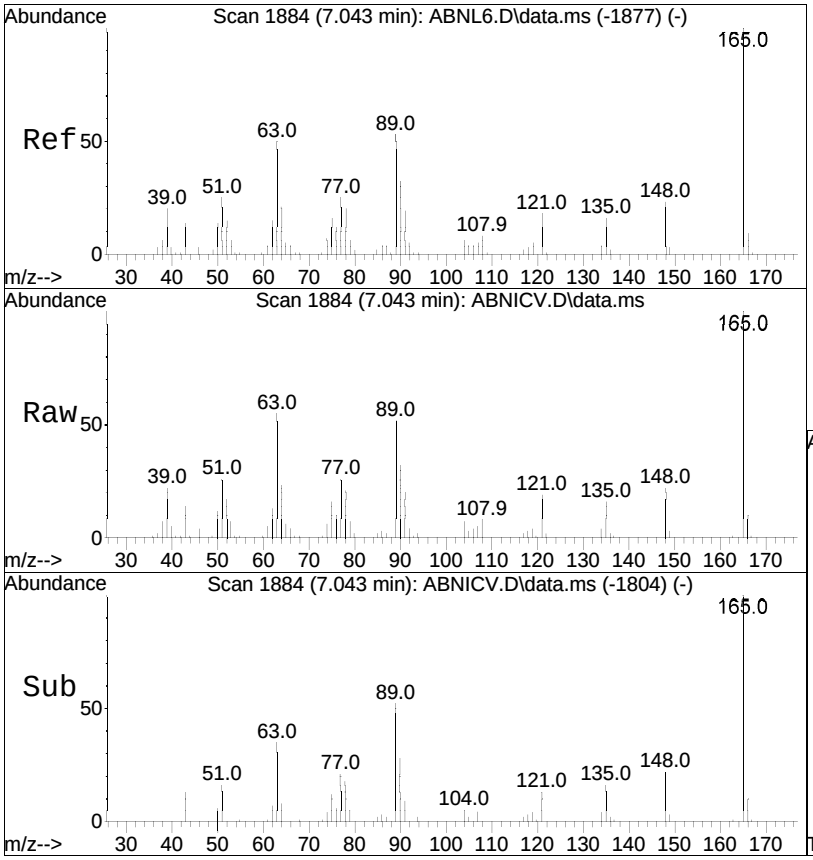


#54
Acenaphthylene
Concen: 4.44 ug/ml
RT: 7.067 min Scan# 1892
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:152 Resp: 155180

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.6
153	12.8	10.5	15.7

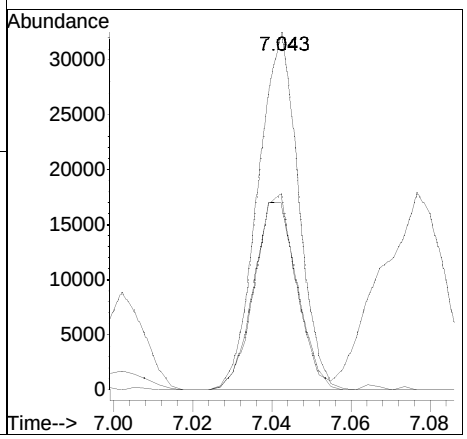


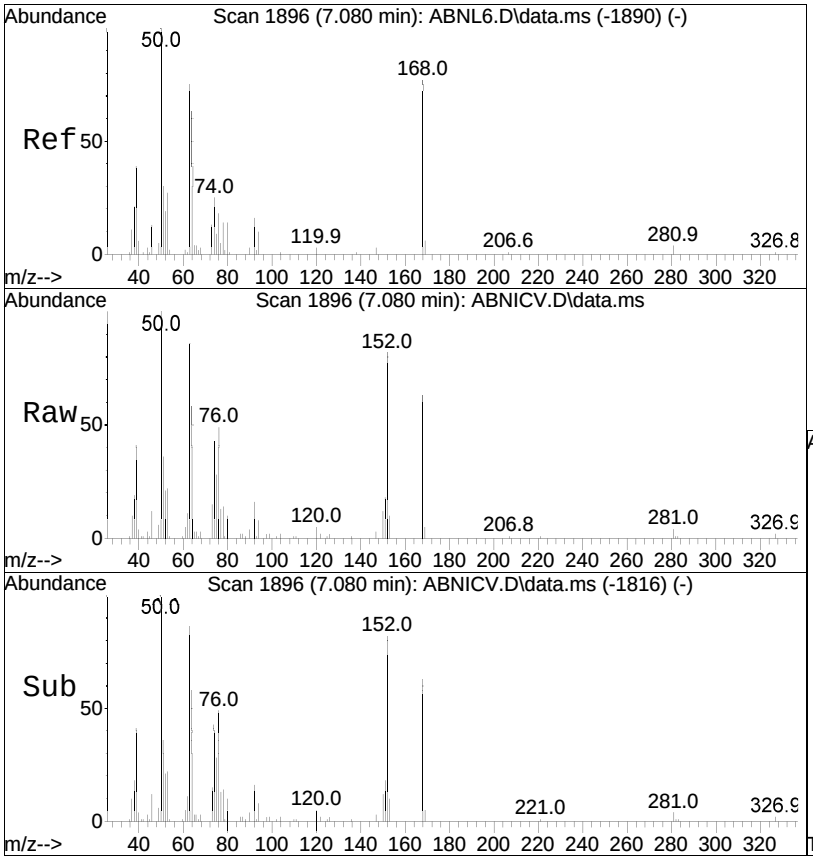


#55
2,6-Dinitrotoluene
Concen: 4.50 ug/ml
RT: 7.043 min Scan# 1884
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:165 Resp: 23242

Ion	Ratio	Lower	Upper
165	100		
89	55.9	54.2	81.2
63	56.7	64.2	96.2#

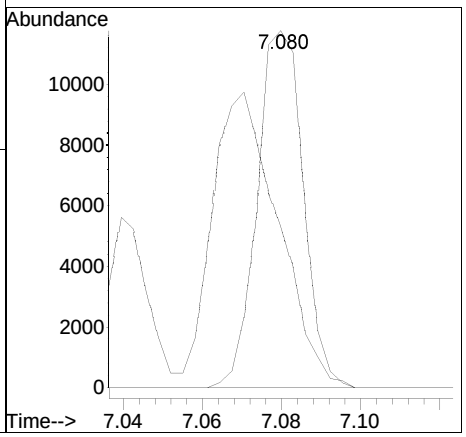


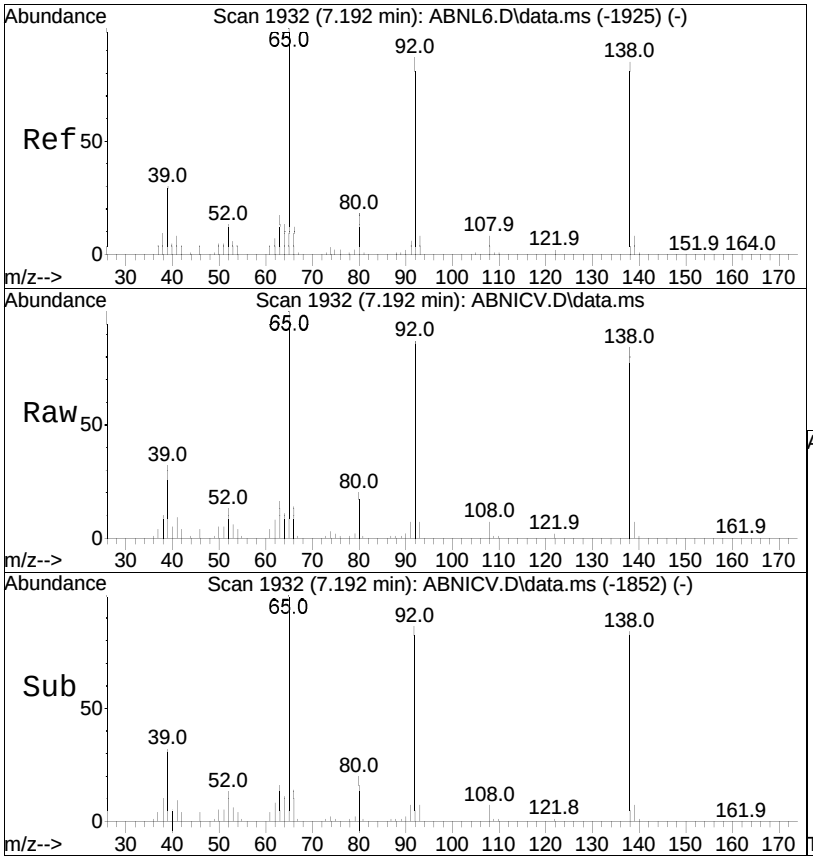


#56
1,2-Dinitrobenzene
Concen: 5.13 ug/ml
RT: 7.080 min Scan# 1896
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 9499

Ion	Ratio	Lower	Upper
168	100		
75	118.0	30.9	46.3#

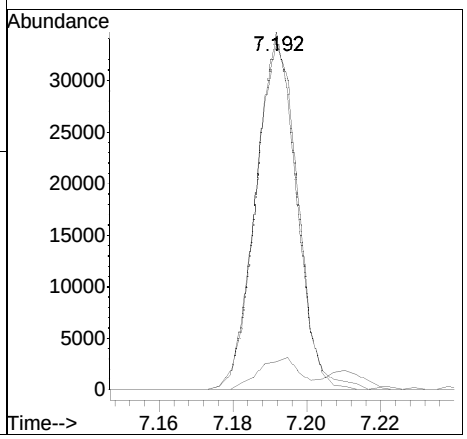


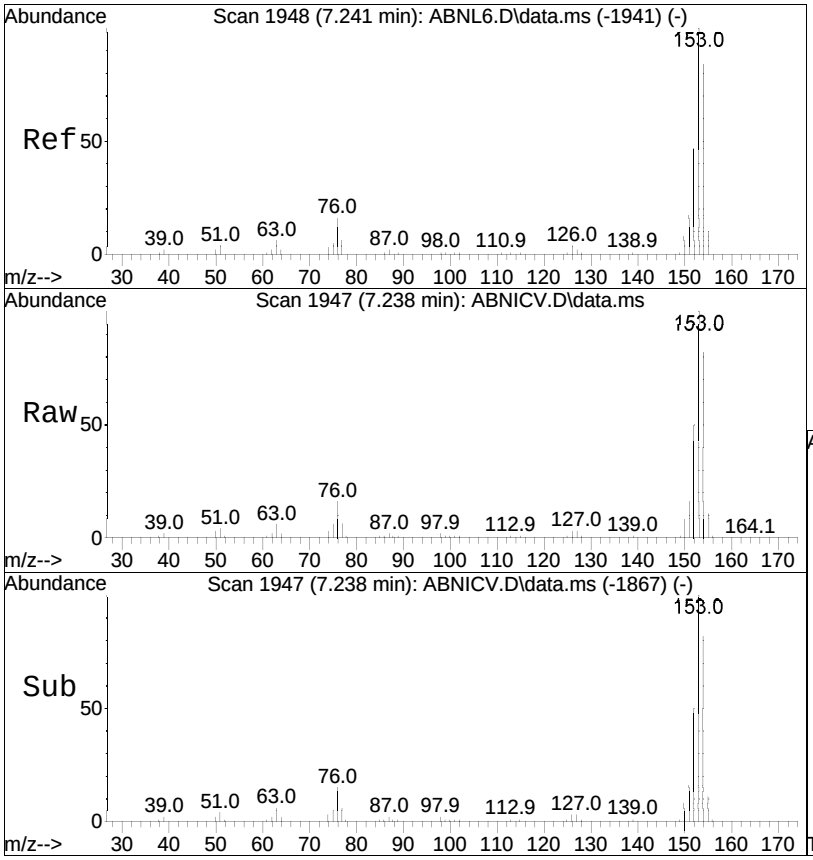


#66
3-Nitroaniline
Concen: 4.70 ug/ml
RT: 7.192 min Scan# 1932
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:138 Resp: 26098

Ion	Ratio	Lower	Upper
138	100		
92	100.6	93.4	140.2
108	9.1	9.5	14.3#

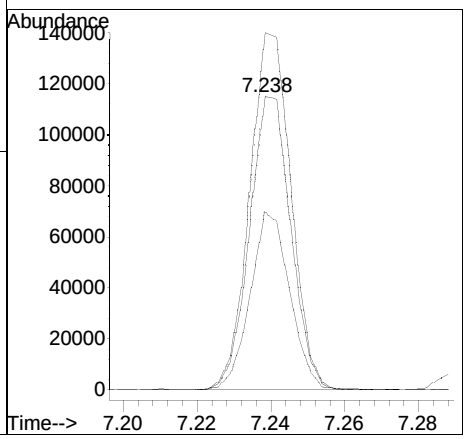


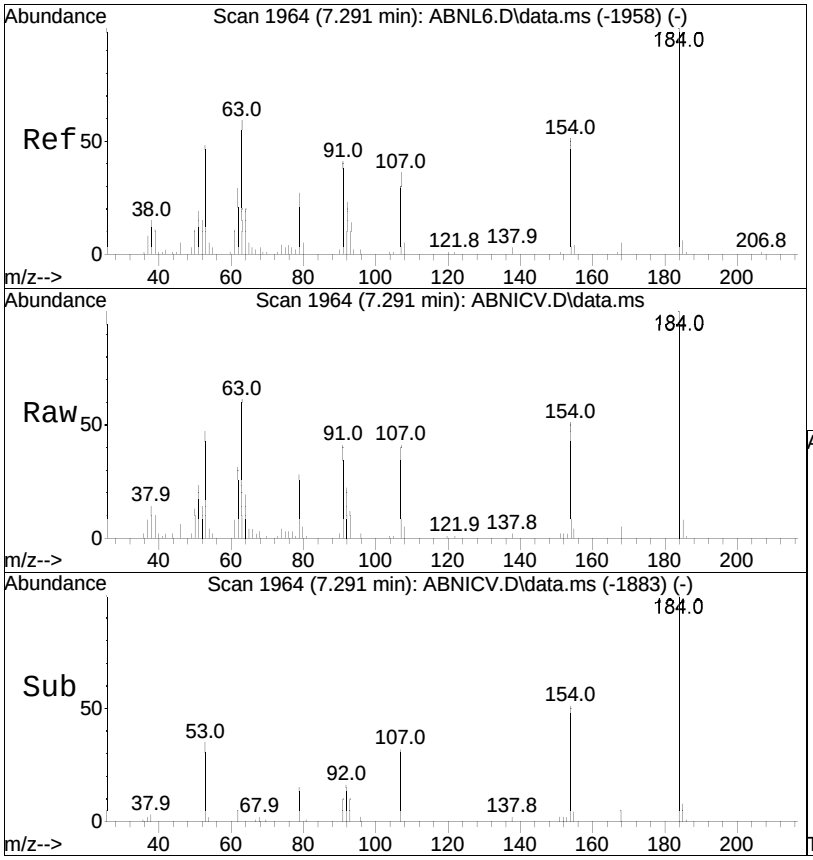


#67
Acenaphthene
Concen: 4.27 ug/ml
RT: 7.238 min Scan# 1947
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:154 Resp: 89205

Ion	Ratio	Lower	Upper
154	100		
153	122.2	85.3	127.9
152	58.1	41.4	62.0

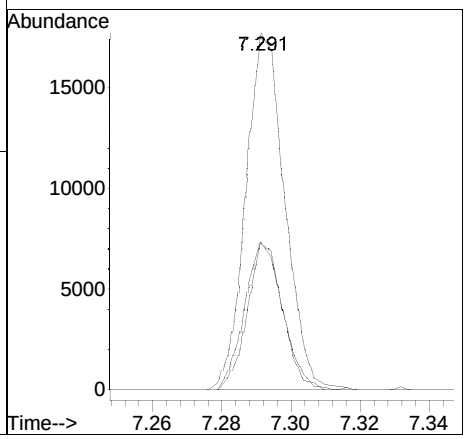


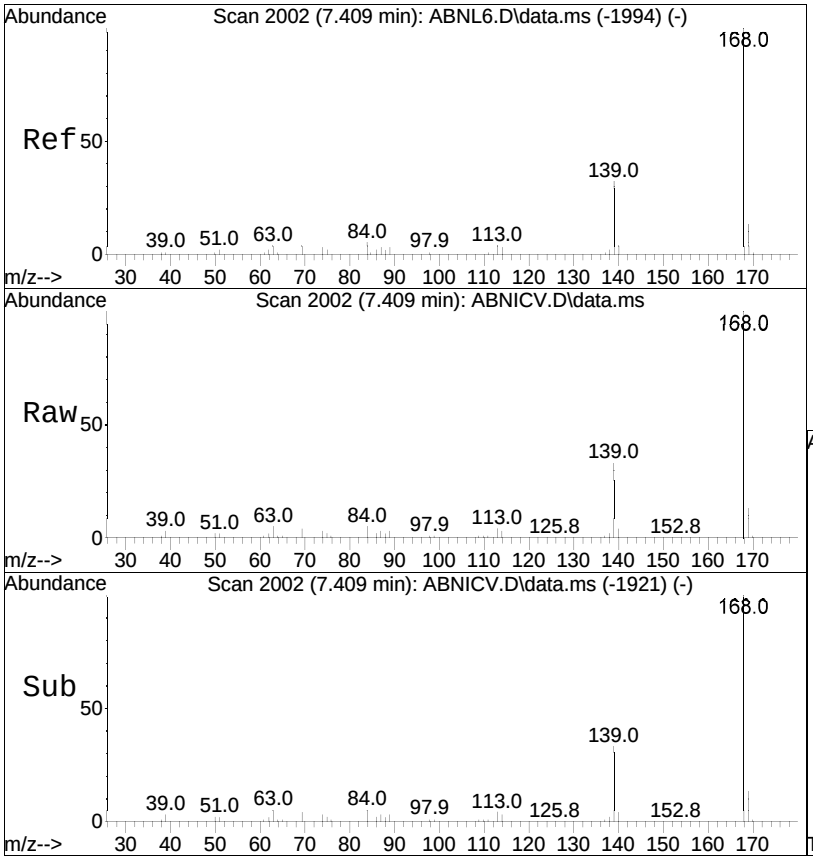


#68
2,4-Dinitrophenol
Concen: 4.13 ug/ml
RT: 7.291 min Scan# 1964
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:184 Resp: 13757

Ion	Ratio	Lower	Upper
184	100		
107	38.0	37.7	56.5
91	39.9	46.3	69.5#

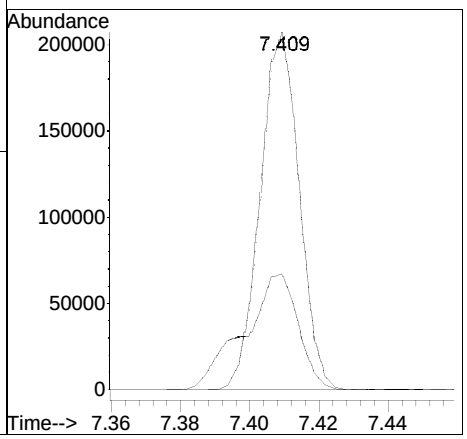


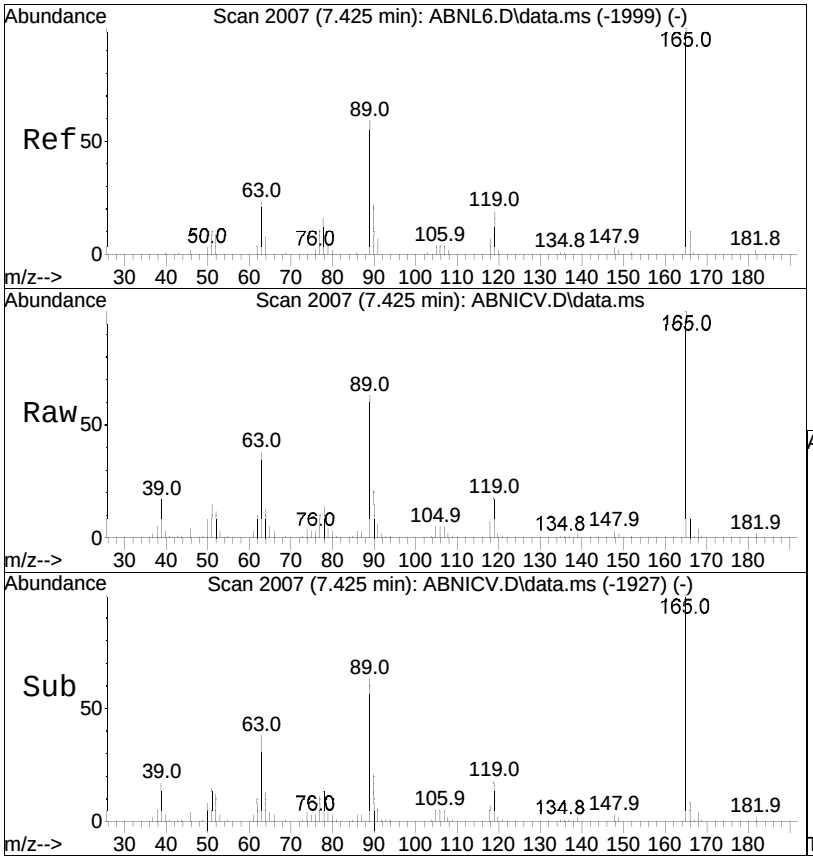


#69
Dibenzofuran
Concen: 4.45 ug/ml
RT: 7.409 min Scan# 2002
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 160445

Ion	Ratio	Lower	Upper
168	100		
139	45.7	31.4	47.2

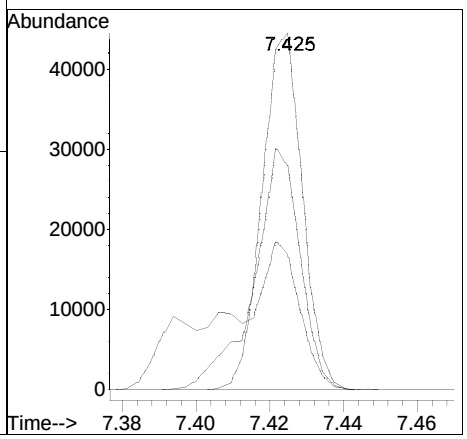


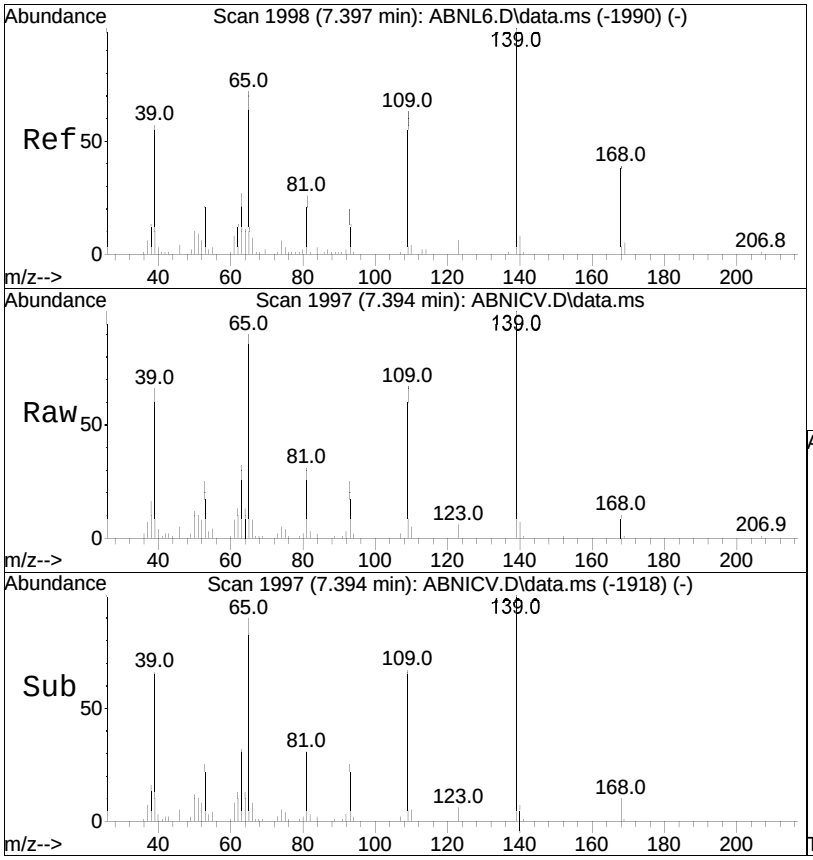


#70
2,4-Dinitrotoluene
Concen: 4.84 ug/ml
RT: 7.425 min Scan# 2007
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:165 Resp: 33658

Ion	Ratio	Lower	Upper
165	100		
89	77.6	72.0	108.0
63	41.9	52.7	79.1#

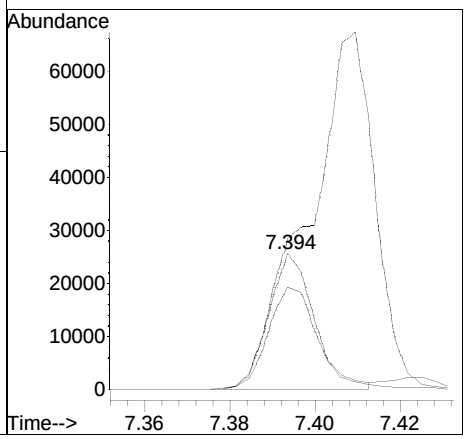


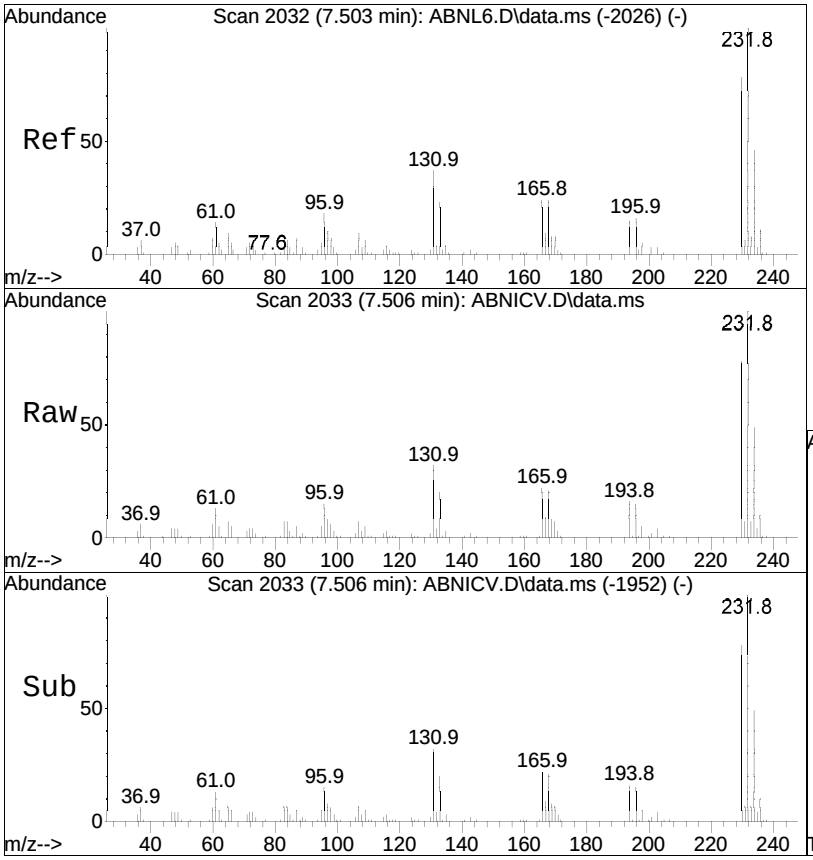


#71
4-Nitrophenol
Concen: 4.67 ug/ml
RT: 7.394 min Scan# 1997
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 65 Resp: 19325

Ion	Ratio	Lower	Upper
65	100		
109	81.5	47.4	71.2#
139	0.0	76.6	115.0#

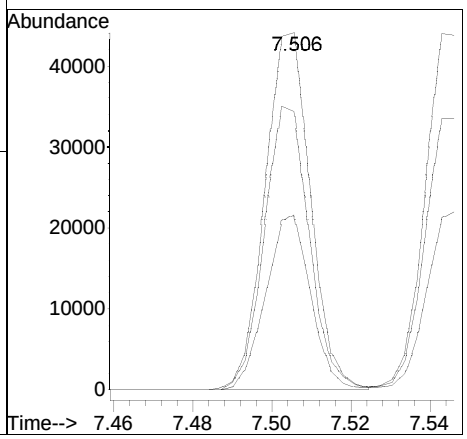


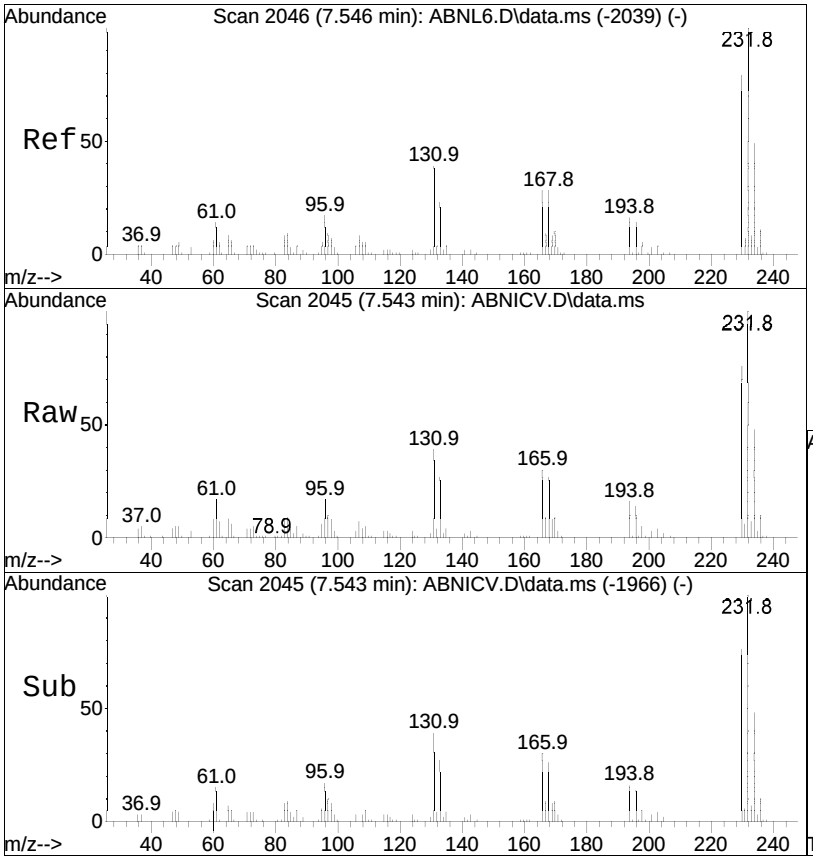


#72
2,3,5,6-Tetrachlorophenol
Concen: 4.52 ug/ml
RT: 7.506 min Scan# 2033
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:232 Resp: 35437

Ion	Ratio	Lower	Upper
232	100		
230	78.3	64.2	96.4
234	48.2	38.1	57.1

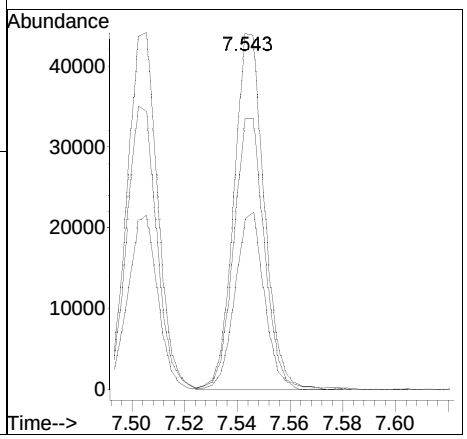


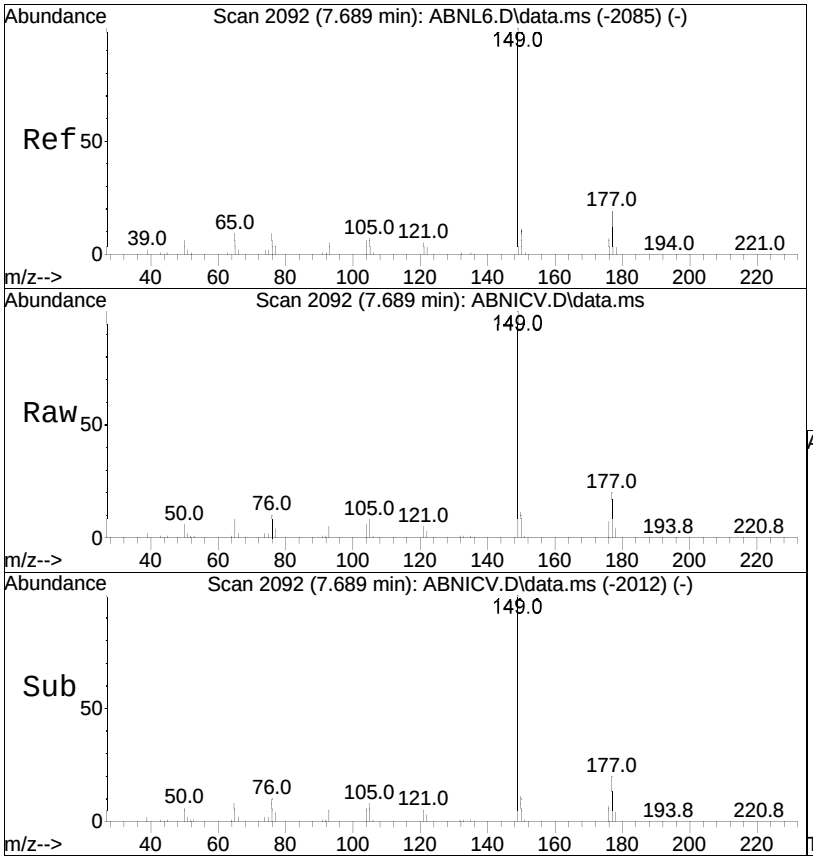


#73
2,3,4,6-Tetrachlorophenol
Concen: 4.63 ug/ml
RT: 7.543 min Scan# 2045
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:232 Resp: 35578

Ion	Ratio	Lower	Upper
232	100		
230	76.6	61.8	92.8
234	47.2	36.2	54.2

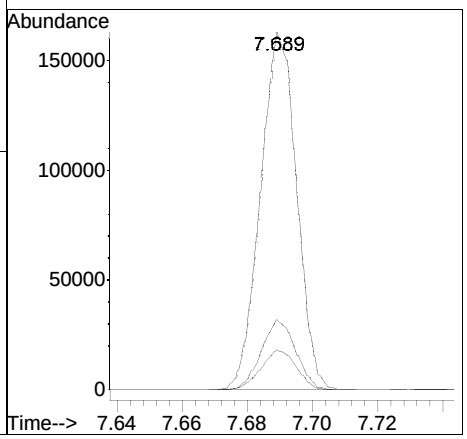


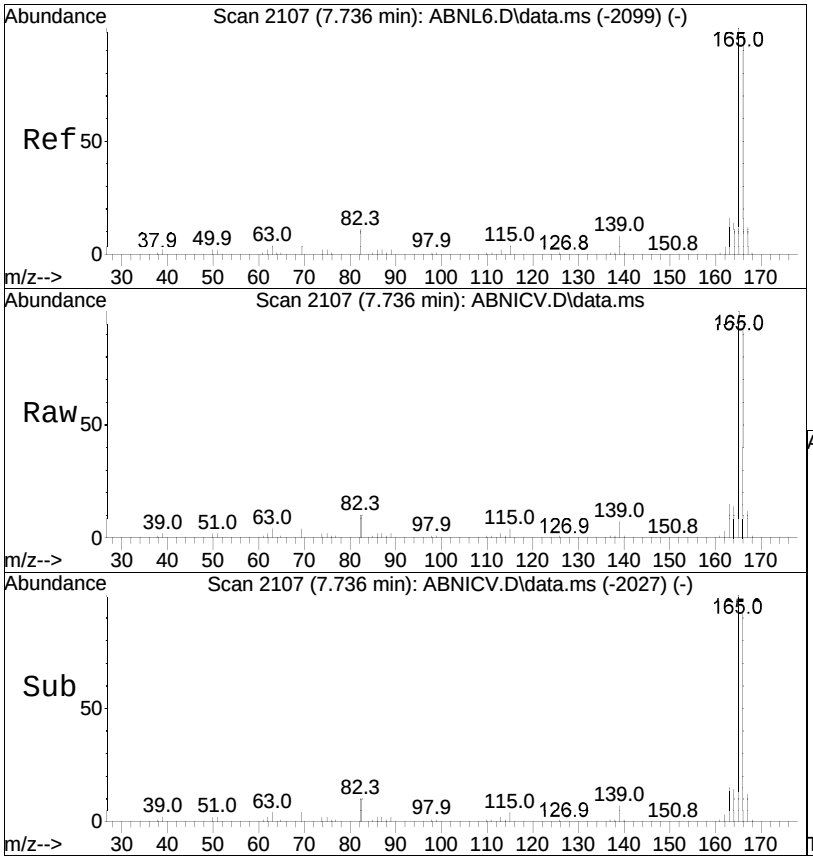


#74
Diethyl phthalate
Concen: 4.38 ug/ml
RT: 7.689 min Scan# 2092
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 123901

Ion	Ratio	Lower	Upper
149	100		
177	18.9	16.1	24.1
150	11.2	9.4	14.2

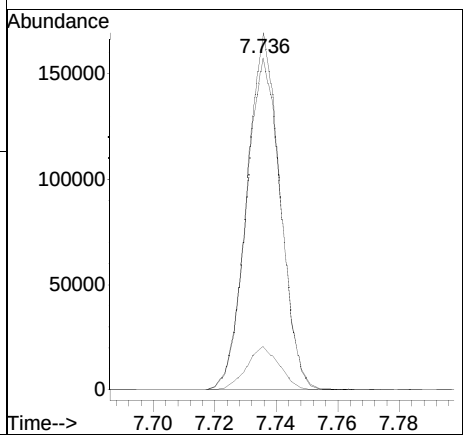


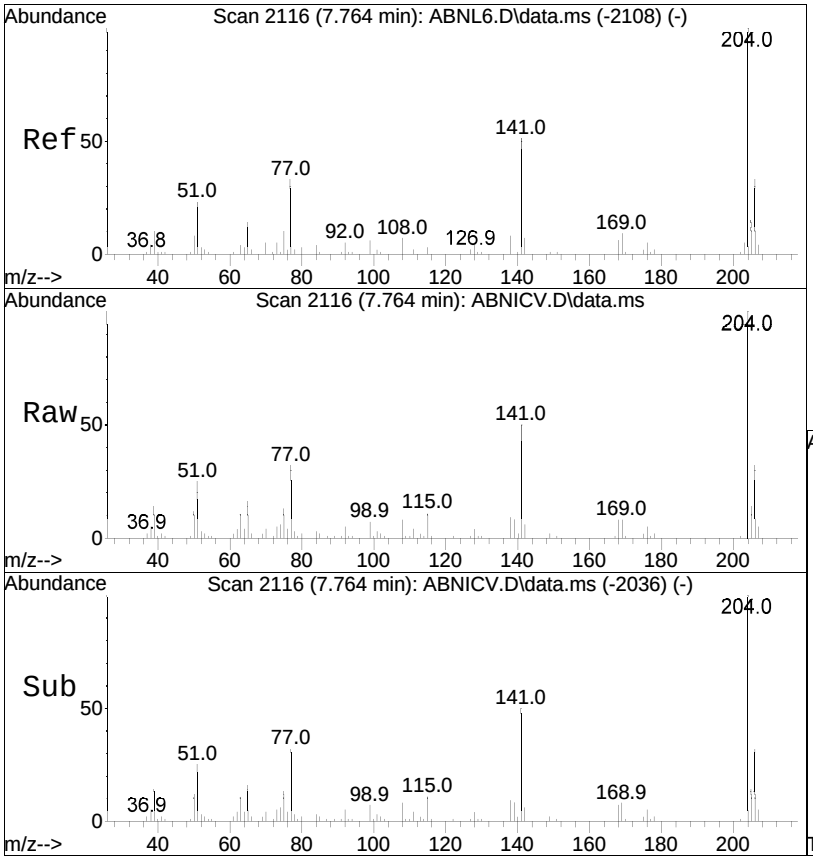


#75
Fluorene
Concen: 4.42 ug/ml
RT: 7.736 min Scan# 2107
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:166 Resp: 122050

Ion	Ratio	Lower	Upper
166	100		
165	104.2	76.2	114.2
167	12.5	10.6	15.8

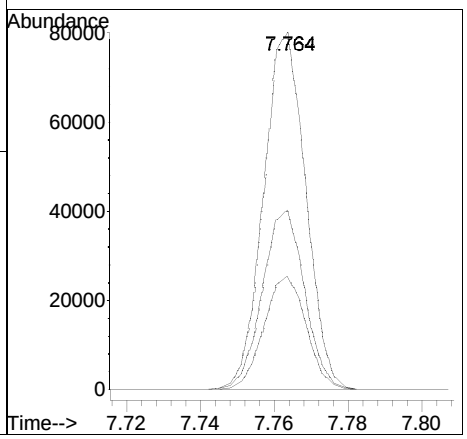


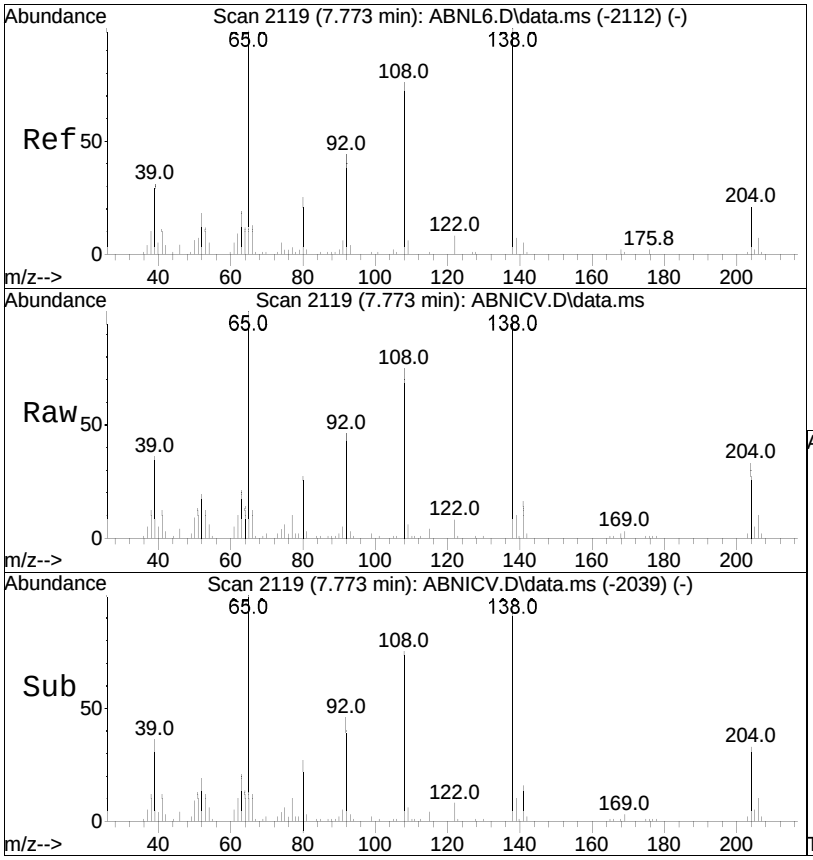


#76
4-Chlorophenyl phenyl ether
Concen: 4.43 ug/ml
RT: 7.764 min Scan# 2116
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:204 Resp: 63042

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.8	38.6
141	50.4	53.6	80.4#

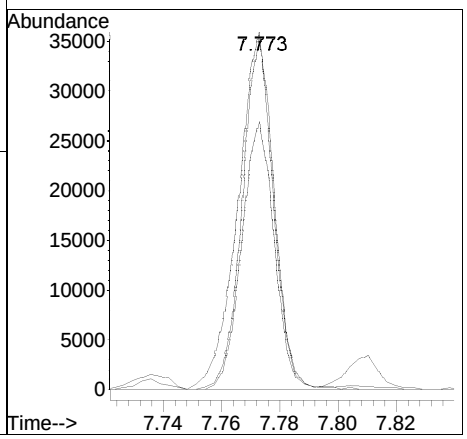


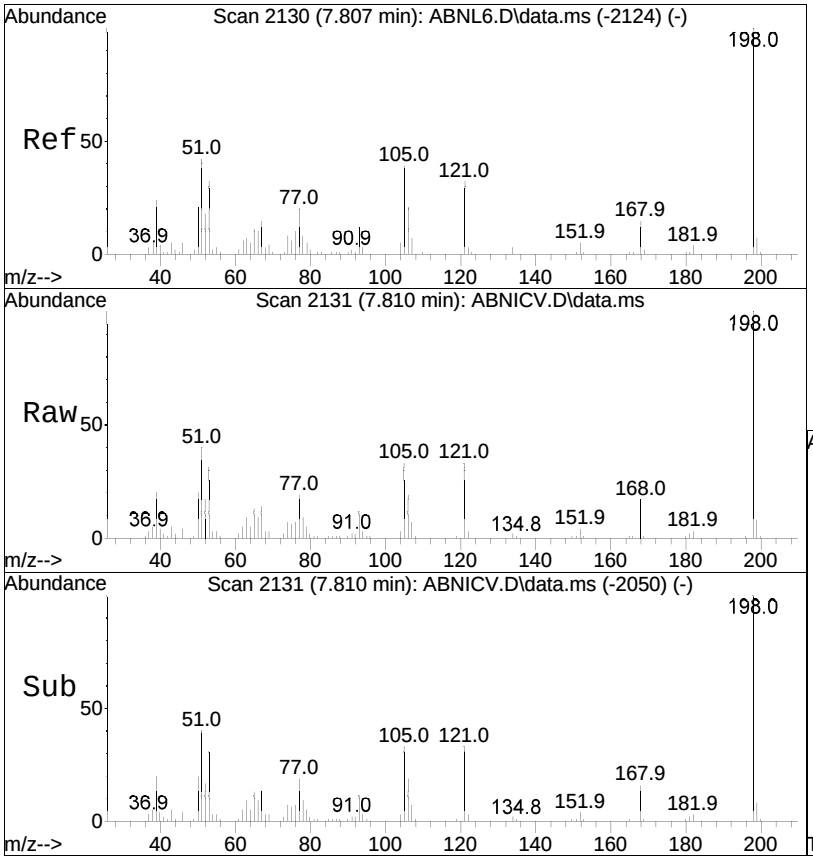


#77
4-Nitroaniline
Concen: 5.02 ug/ml
RT: 7.773 min Scan# 2119
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:138 Resp: 26907

Ion	Ratio	Lower	Upper
138	100		
108	77.2	52.1	78.1
65	111.2	115.0	172.6#

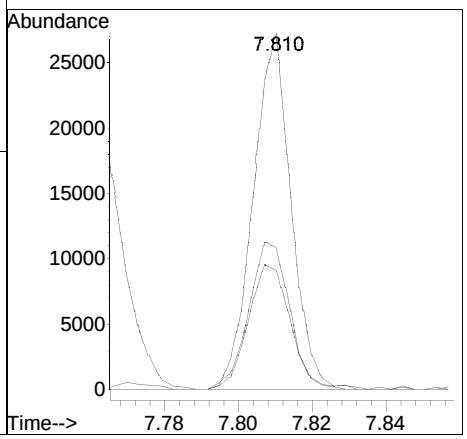


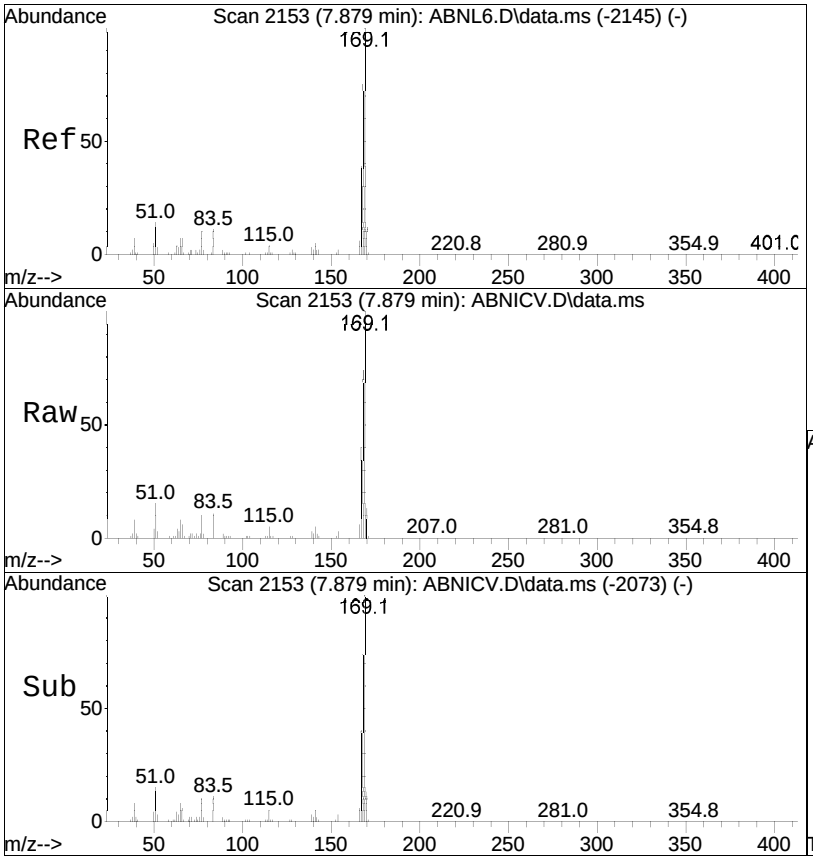


#78
4,6-Dinitro-o-cresol
Concen: 4.61 ug/ml
RT: 7.810 min Scan# 2131
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:198 Resp: 19382

Ion	Ratio	Lower	Upper
198	100		
51	45.2	76.0	114.0#
105	38.6	45.6	68.4#

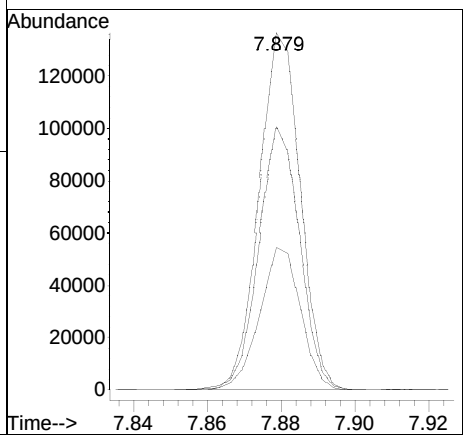


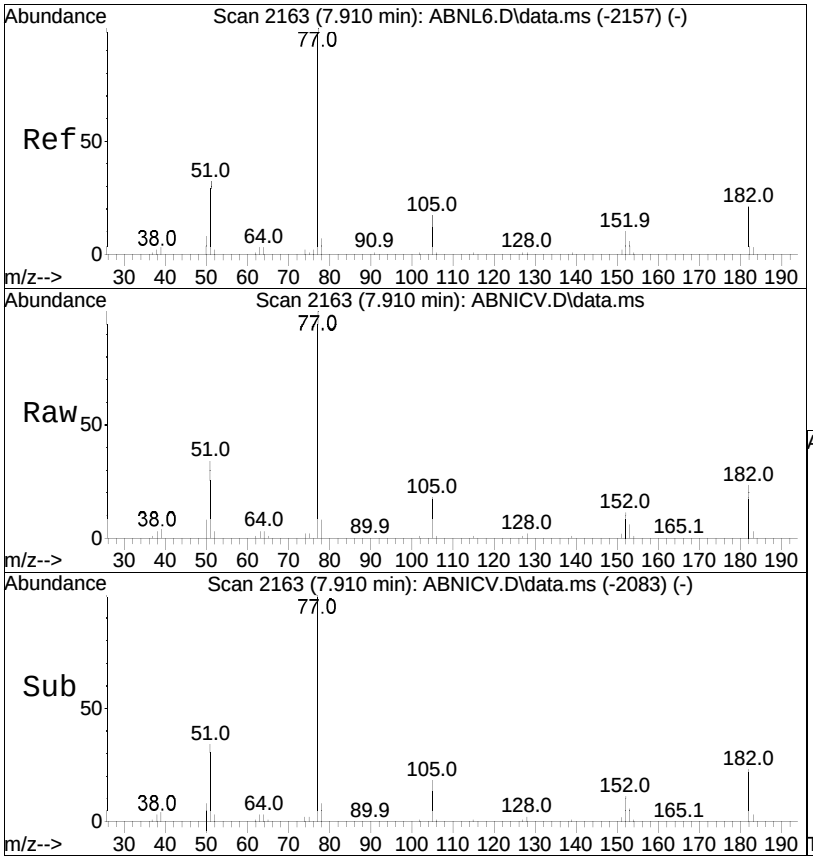


#79
NDPA/DPA
Concen: 4.40 ug/ml
RT: 7.879 min Scan# 2153
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:169 Resp: 105614

Ion	Ratio	Lower	Upper
169	100		
168	73.5	54.0	81.0
167	39.9	28.6	42.8

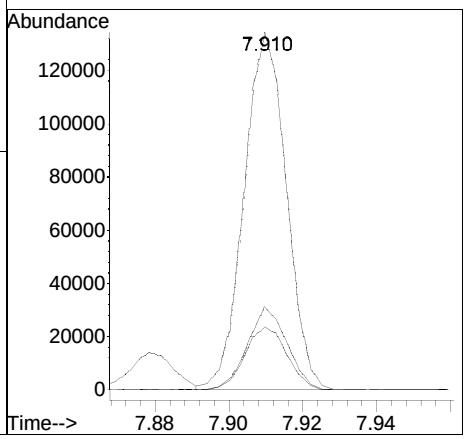


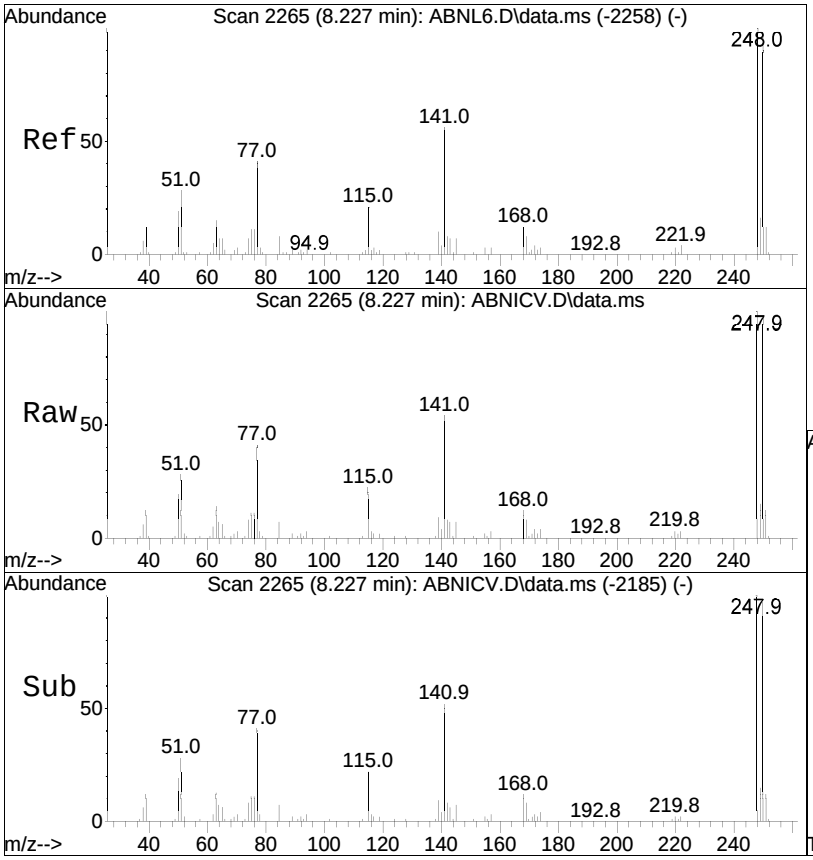


#80
Azobenzene
Concen: 4.60 ug/ml
RT: 7.910 min Scan# 2163
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 77 Resp: 105841

Ion	Ratio	Lower	Upper
77	100		
182	21.9	17.4	26.2
105	17.7	15.4	23.2

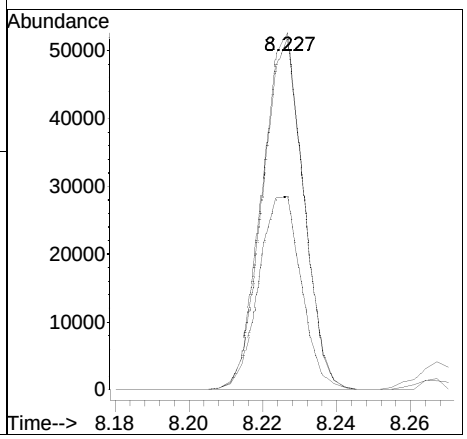


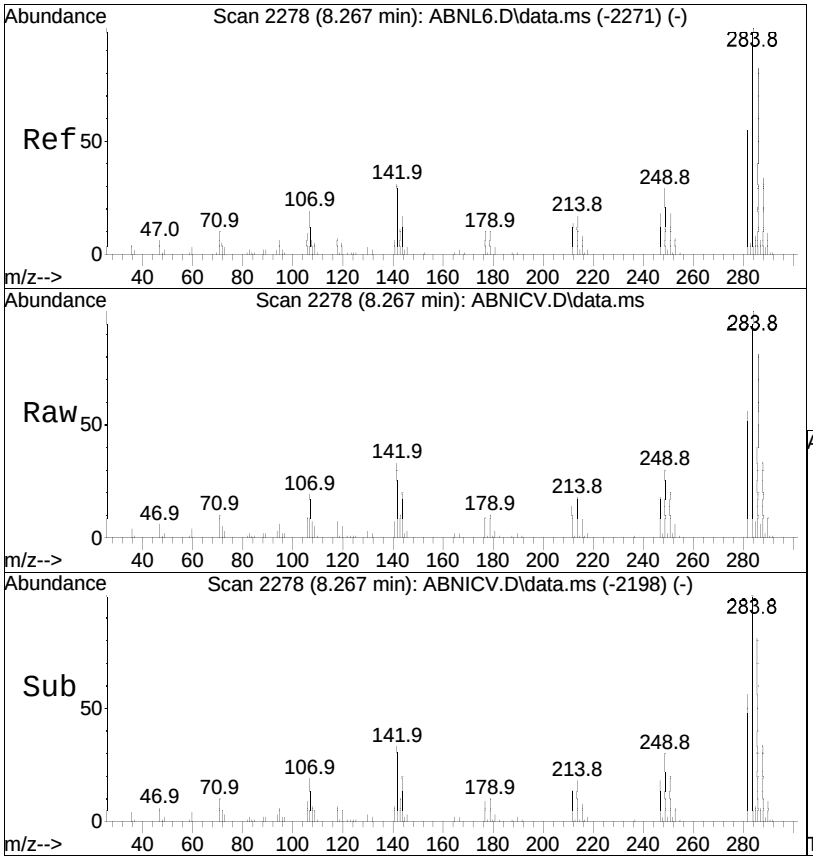


#82
4-Bromophenyl phenyl ether
Concen: 4.36 ug/ml
RT: 8.227 min Scan# 2265
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:248 Resp: 40811

Ion	Ratio	Lower	Upper
248	100		
141	55.8	76.6	114.8#
250	97.2	77.3	115.9

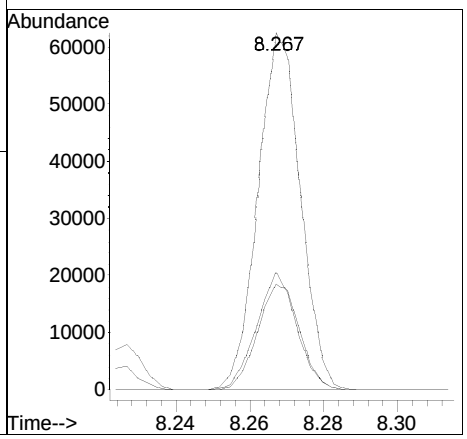


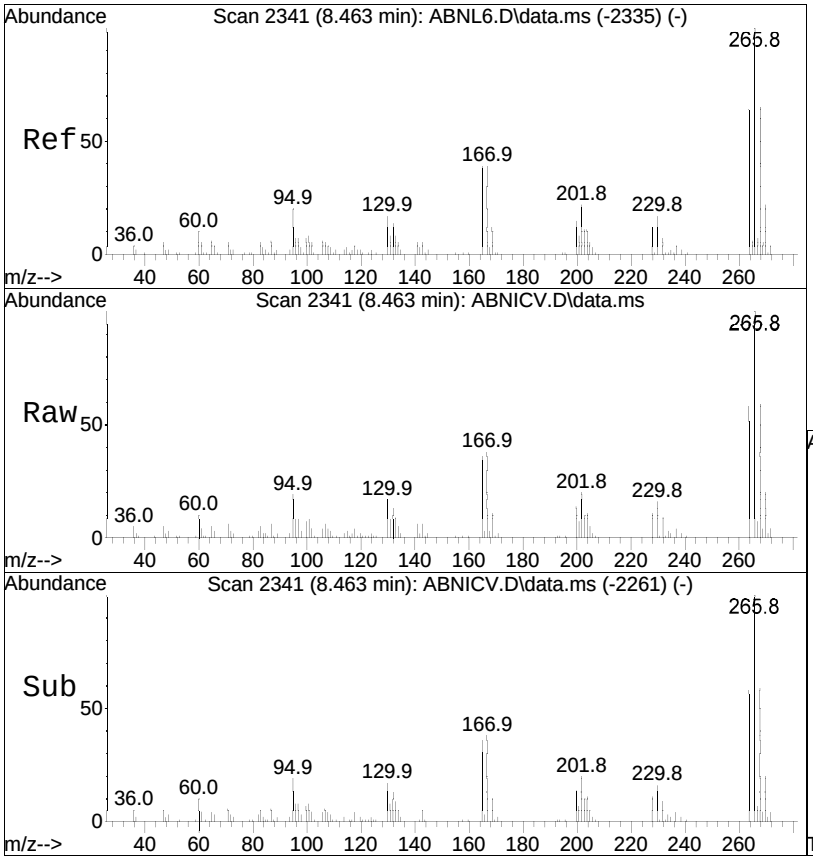


#83
Hexachlorobenzene
Concen: 4.21 ug/ml
RT: 8.267 min Scan# 2278
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:284 Resp: 49668

Ion	Ratio	Lower	Upper
284	100		
142	31.2	41.9	62.9#
249	29.5	24.1	36.1

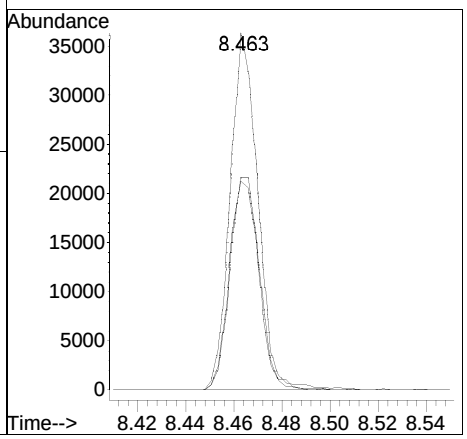


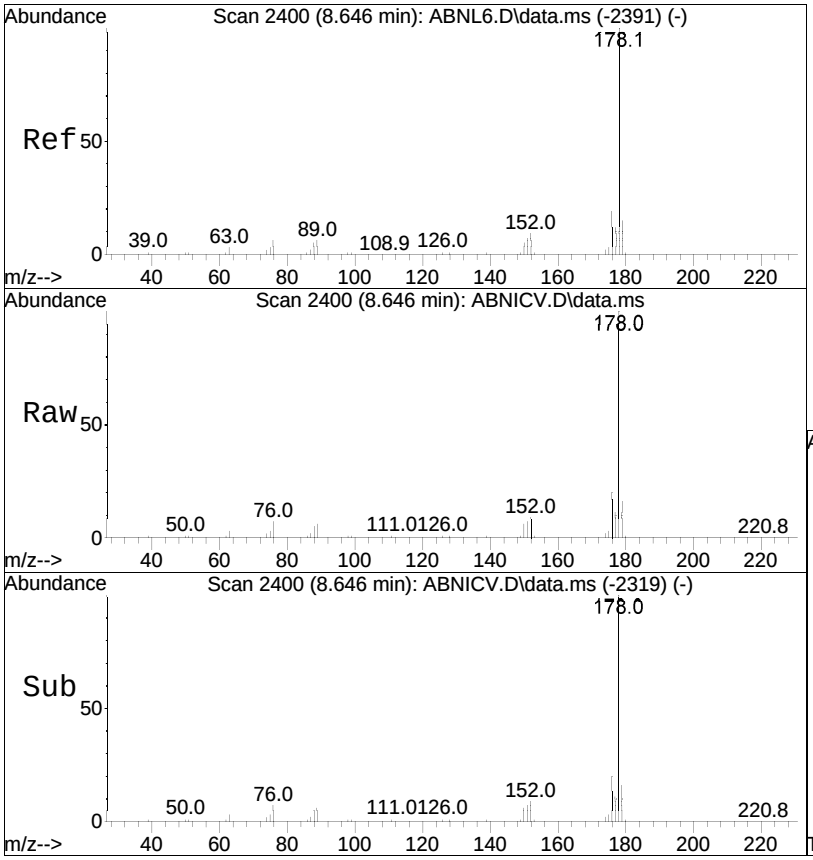


#84
Pentachlorophenol
Concen: 4.55 ug/ml
RT: 8.463 min Scan# 2341
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:266 Resp: 29051

Ion	Ratio	Lower	Upper
266	100		
264	62.1	49.7	74.5
268	63.9	50.5	75.7

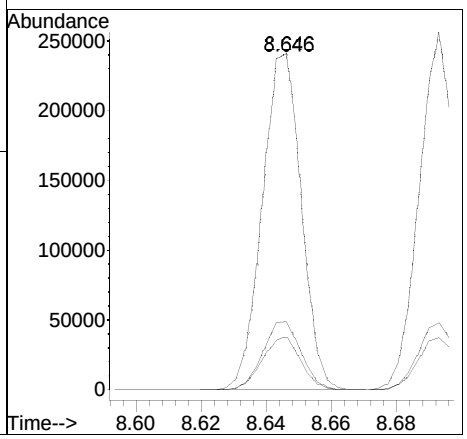


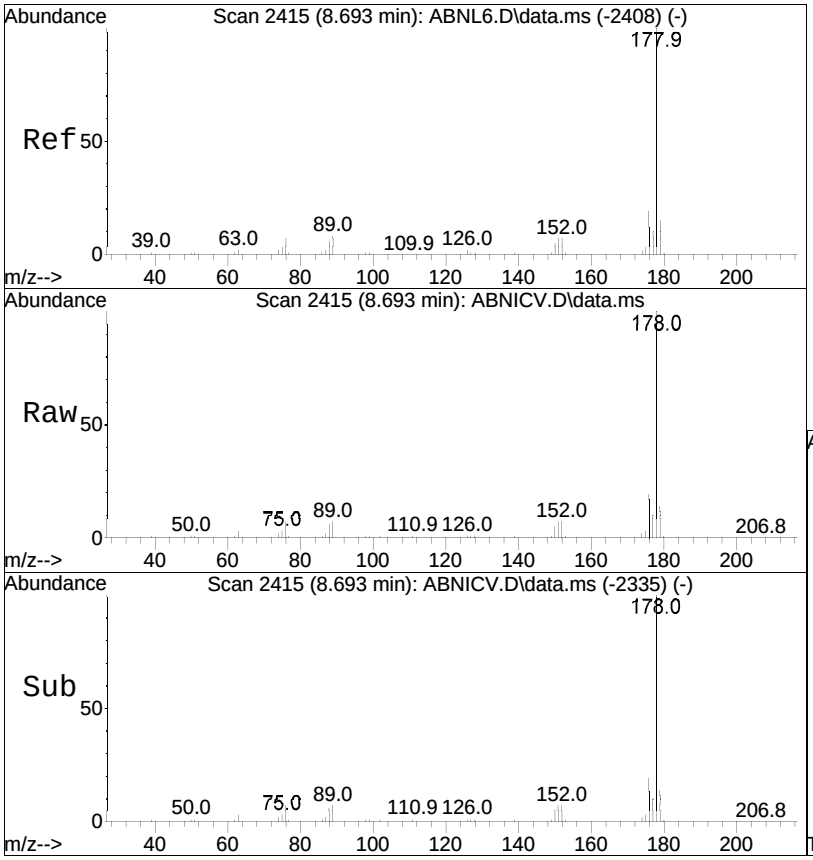


#91
Phenanthrene
Concen: 4.41 ug/ml
RT: 8.646 min Scan# 2400
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:178 Resp: 199979

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	19.8	15.4	23.2

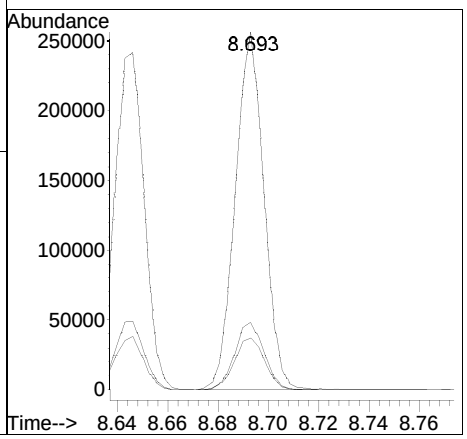


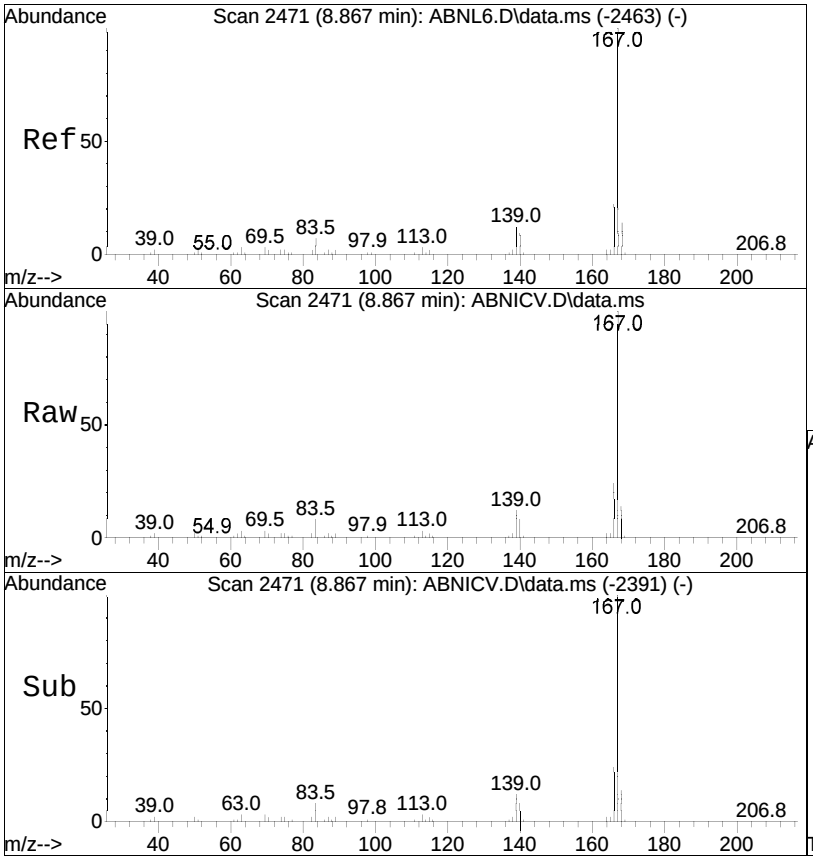


#92
Anthracene
Concen: 4.57 ug/ml
RT: 8.693 min Scan# 2415
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:178 Resp: 203231

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	19.2	14.6	22.0

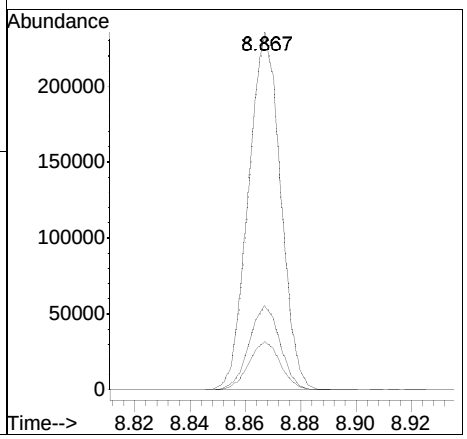


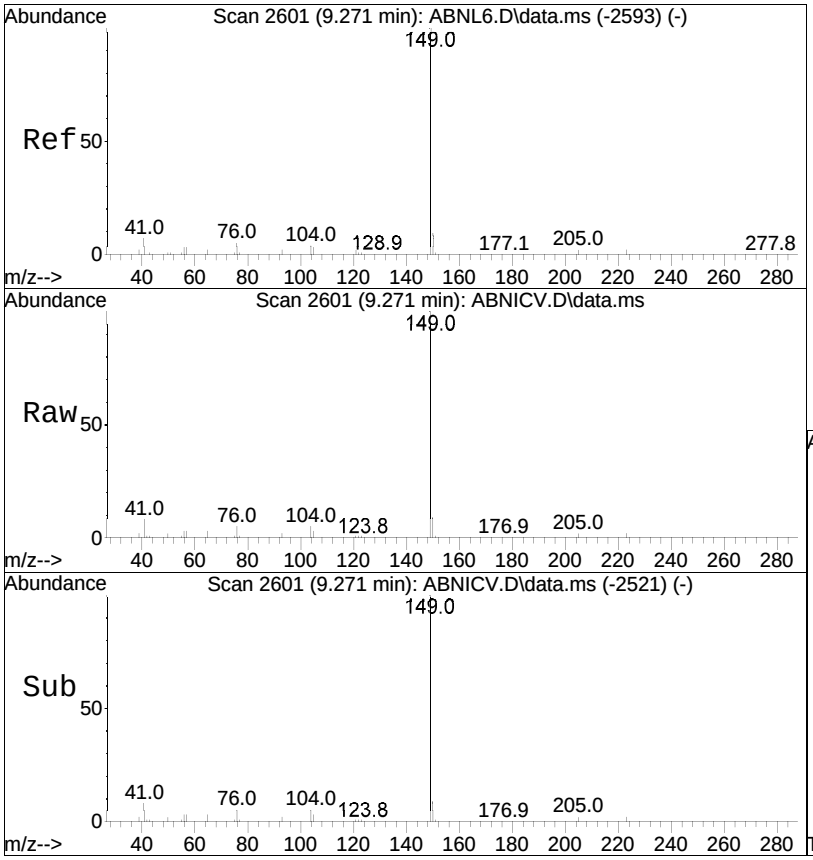


#93
Carbazole
Concen: 4.61 ug/ml
RT: 8.867 min Scan# 2471
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:167 Resp: 188138

Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.6	15.8
166	22.9	17.4	26.0

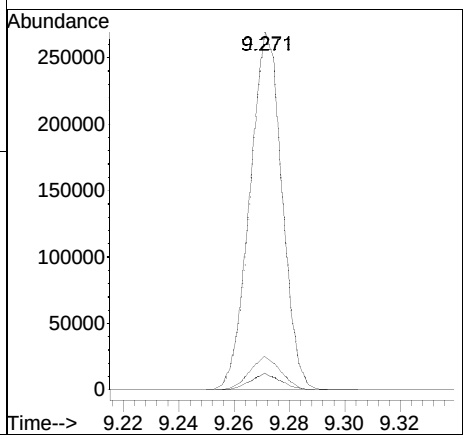


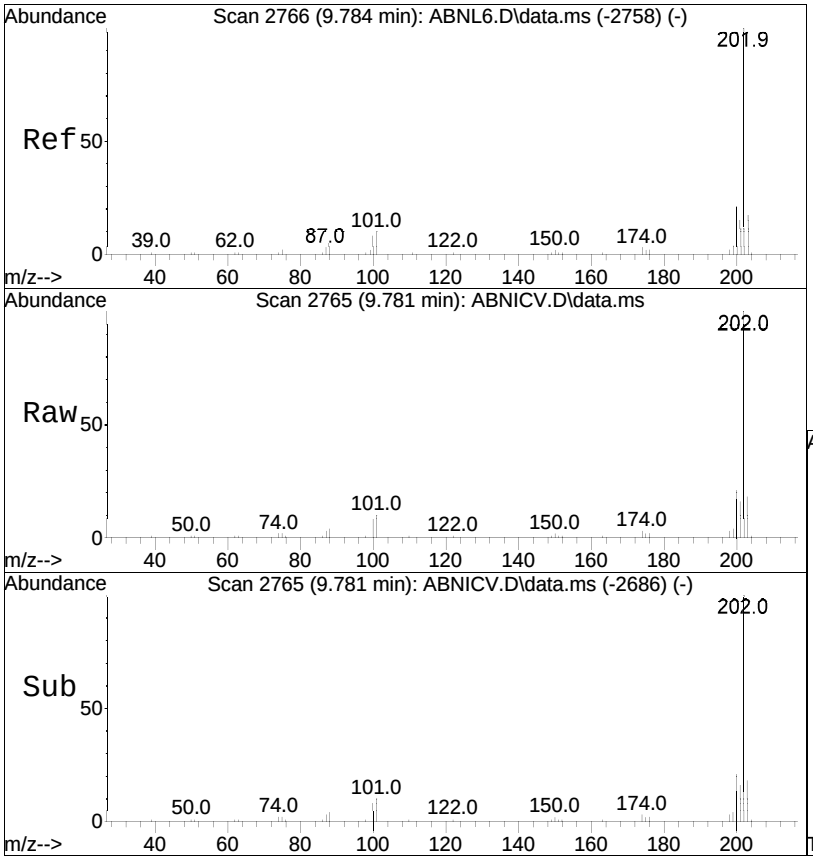


#94
Di-n-butylphthalate
Concen: 4.64 ug/ml
RT: 9.271 min Scan# 2601
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 214371

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.4	4.5	6.7#

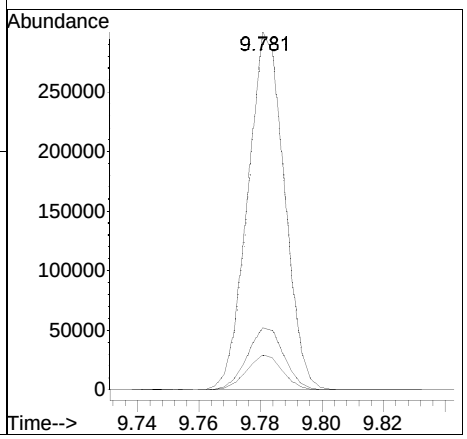


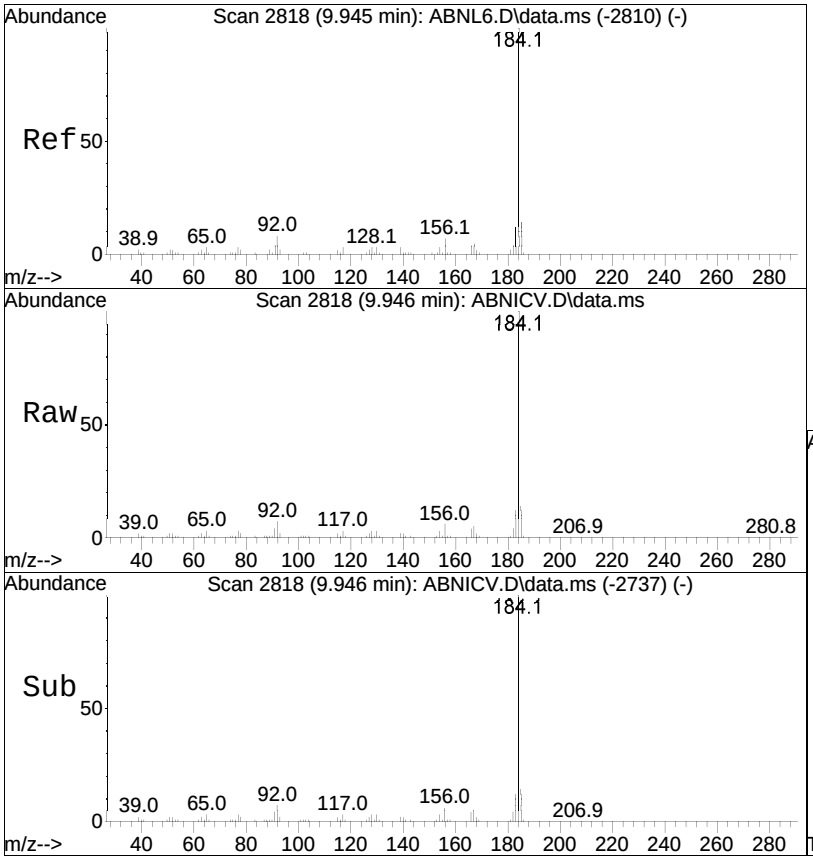


#95
Fluoranthene
Concen: 4.53 ug/ml
RT: 9.781 min Scan# 2765
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:202 Resp: 246949

Ion	Ratio	Lower	Upper
202	100		
101	9.5	13.5	20.3#
203	17.5	13.6	20.4

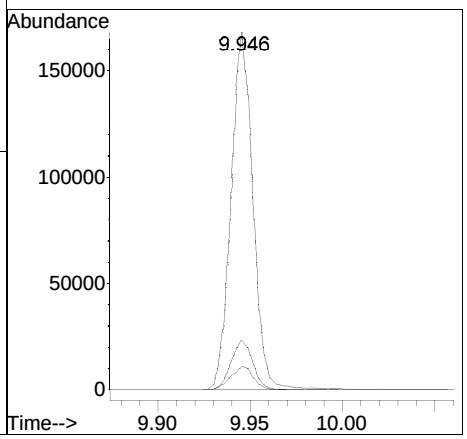


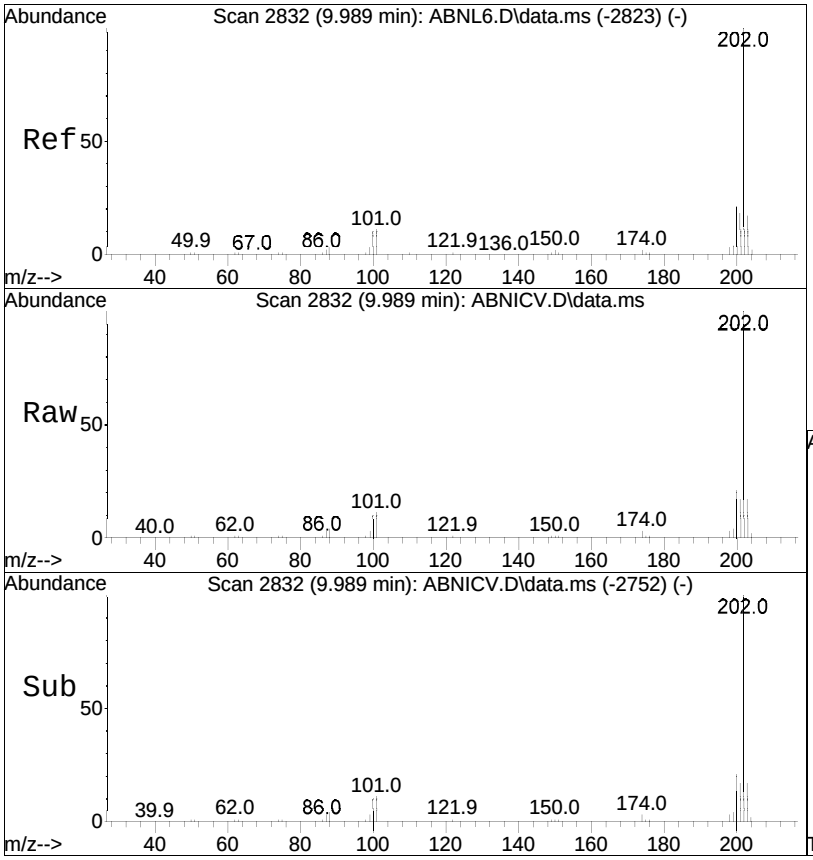


#96
Benzidine
Concen: 4.63 ug/ml
RT: 9.946 min Scan# 2818
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:184 Resp: 136878

Ion	Ratio	Lower	Upper
184	100		
92	6.9	9.1	13.7#
185	13.9	11.1	16.7

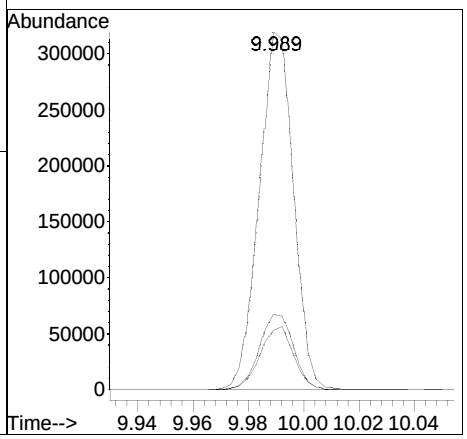


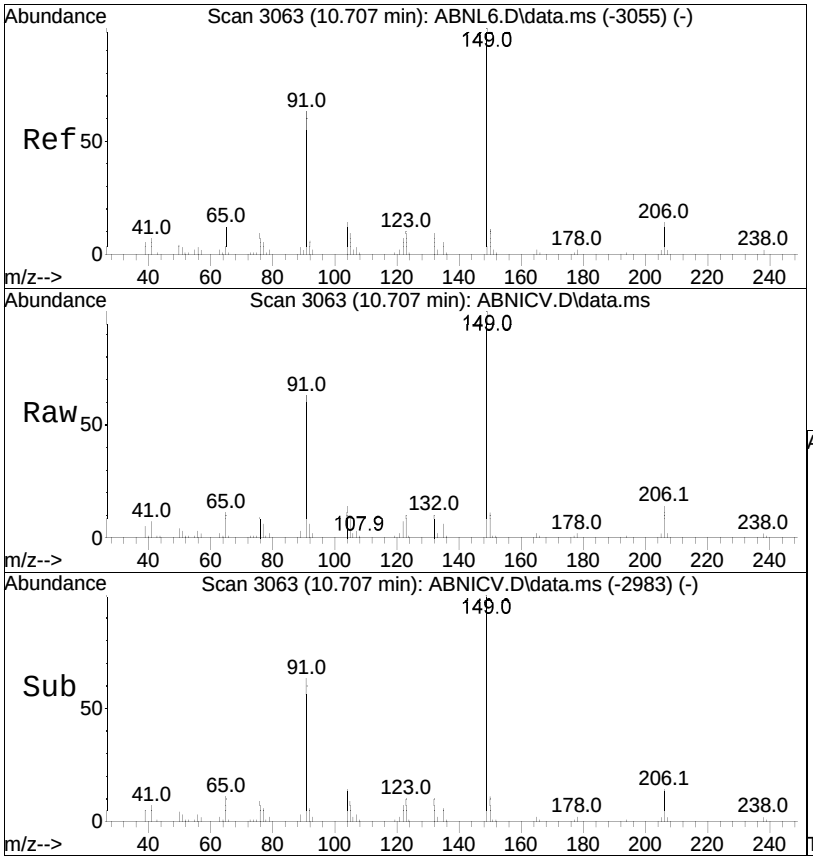


#97
Pyrene
Concen: 4.67 ug/ml
RT: 9.989 min Scan# 2832
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:202 Resp: 272087

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.4	14.2	21.4

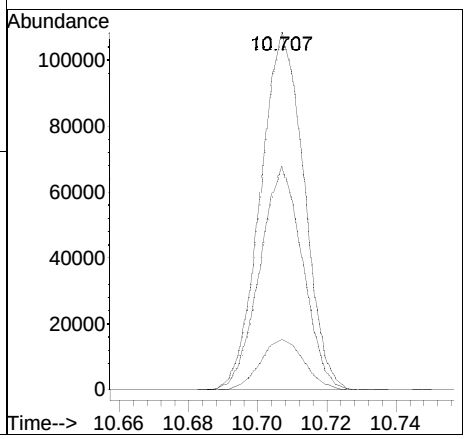


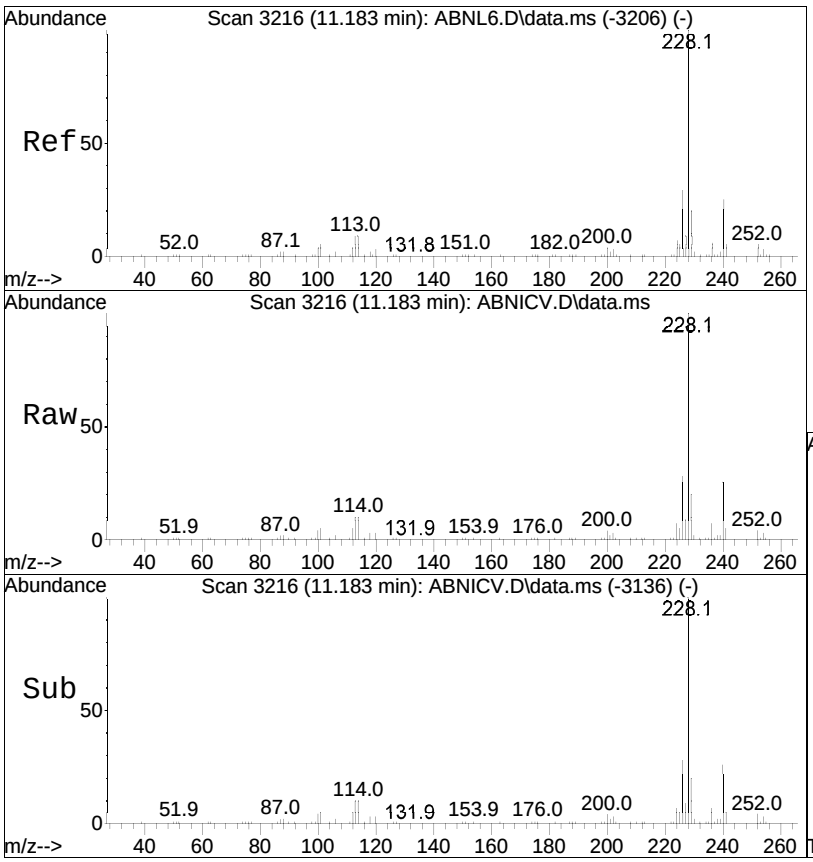


#99
Butyl benzyl phthalate
Concen: 4.75 ug/ml
RT: 10.707 min Scan# 3063
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 94148

Ion	Ratio	Lower	Upper
149	100		
91	61.9	63.3	94.9#
206	14.3	13.9	20.9

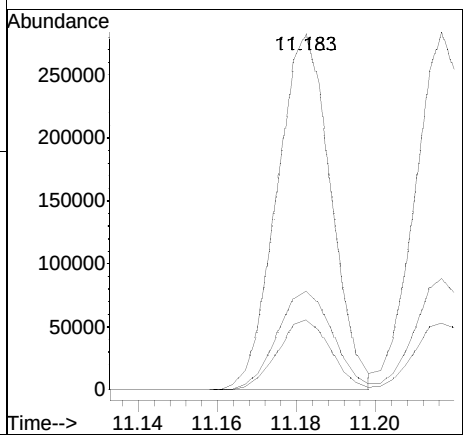


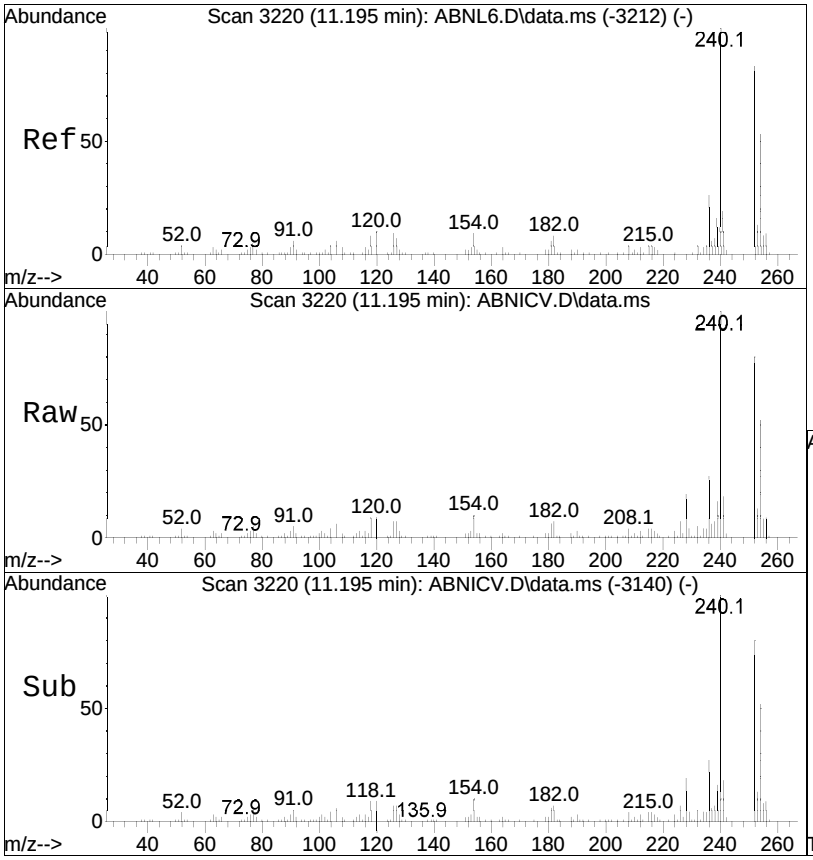


#107
Benzo(a)anthracene
Concen: 4.44 ug/ml
RT: 11.183 min Scan# 3216
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:228 Resp: 267033

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.2	33.4
229	19.5	15.6	23.4

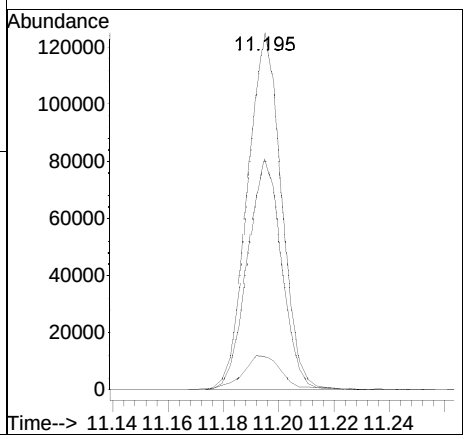


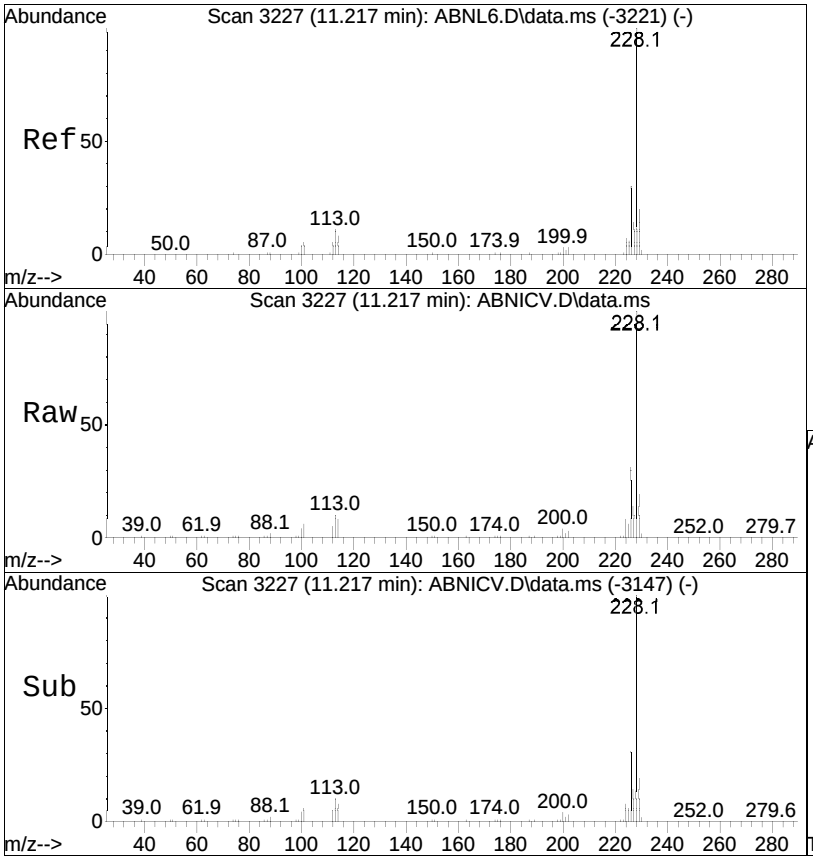


#108
3,3'-Dichlorobenzidine
Concen: 4.76 ug/ml
RT: 11.195 min Scan# 3220
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 106445

Ion	Ratio	Lower	Upper
252	100		
126	11.4	14.5	21.7#
254	65.3	51.2	76.8

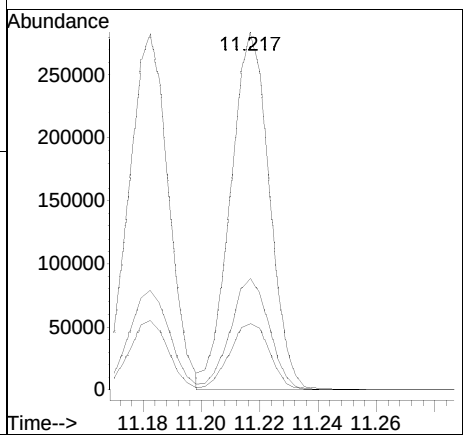


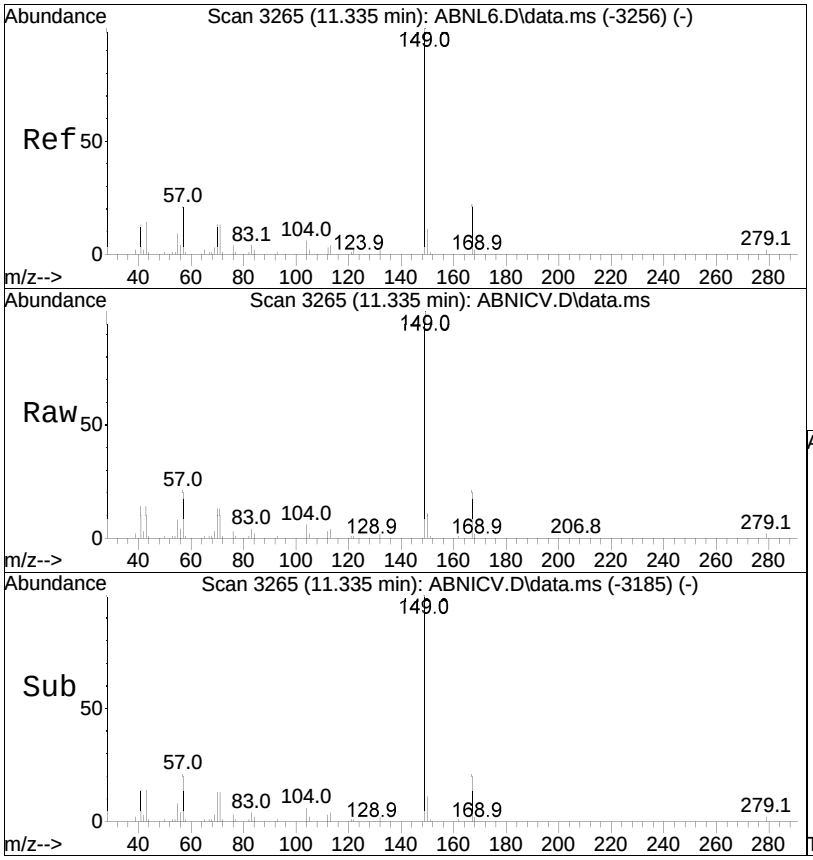


#109
Chrysene
Concen: 4.40 ug/ml
RT: 11.217 min Scan# 3227
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:228 Resp: 263085

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.0	36.0
229	19.4	15.8	23.8

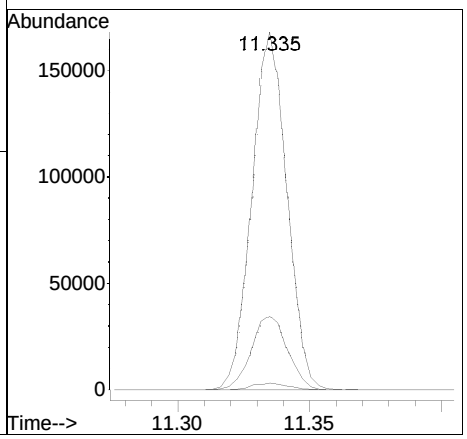


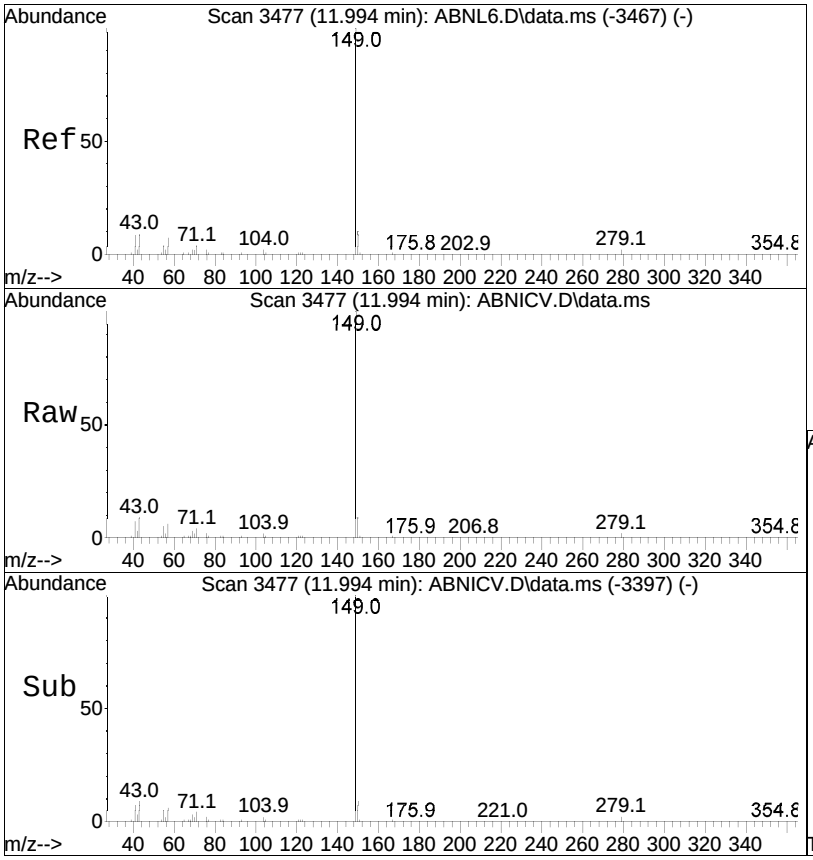


#110
Bis(2-ethylhexyl)phthalate
Concen: 4.74 ug/ml
RT: 11.335 min Scan# 3265
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 152756

Ion	Ratio	Lower	Upper
149	100		
167	21.5	22.1	33.1#
279	1.9	3.0	4.4#

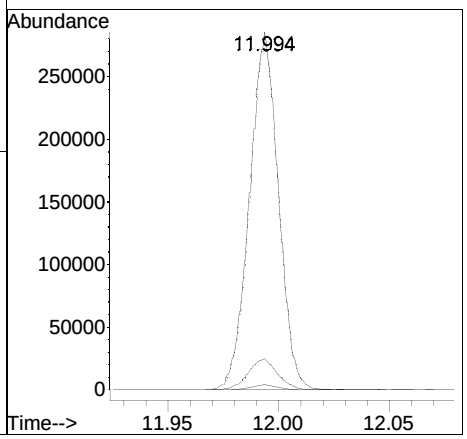


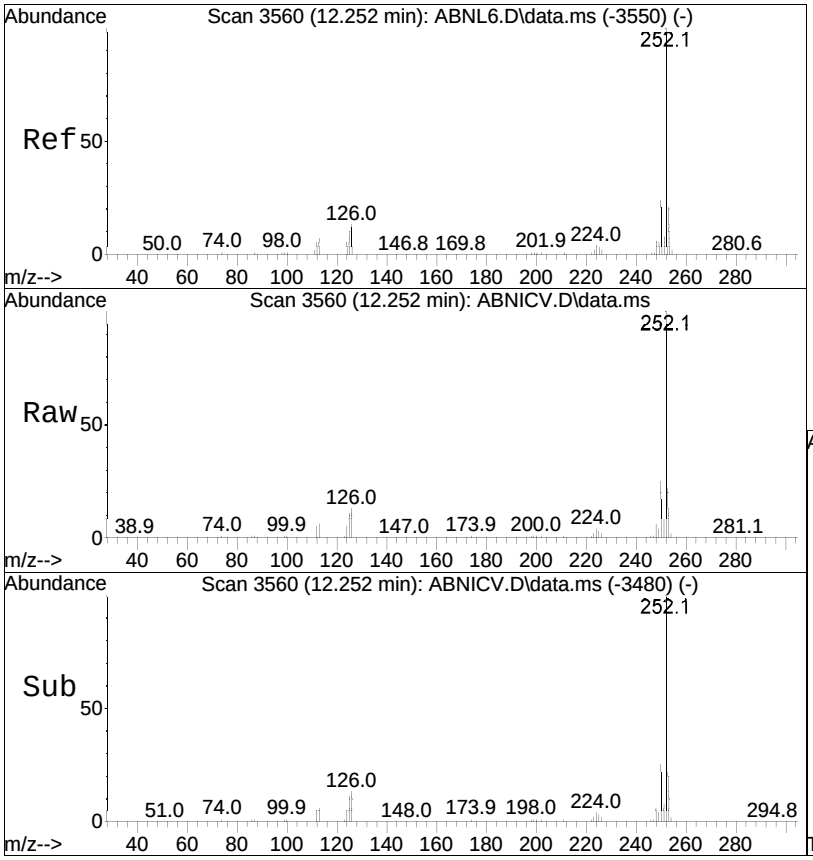


#111
Di-n-octylphthalate
Concen: 4.75 ug/ml
RT: 11.994 min Scan# 3477
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 254994

Ion	Ratio	Lower	Upper
149	100		
43	8.9	18.8	28.2#
167	1.2	1.3	1.9#

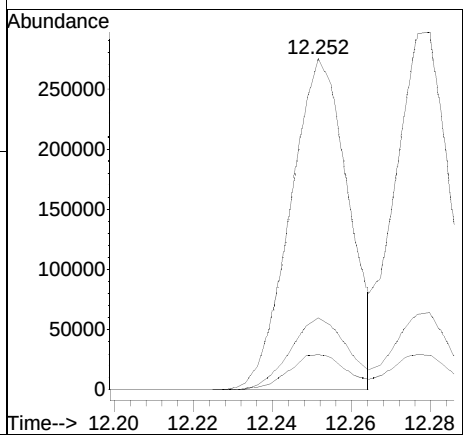


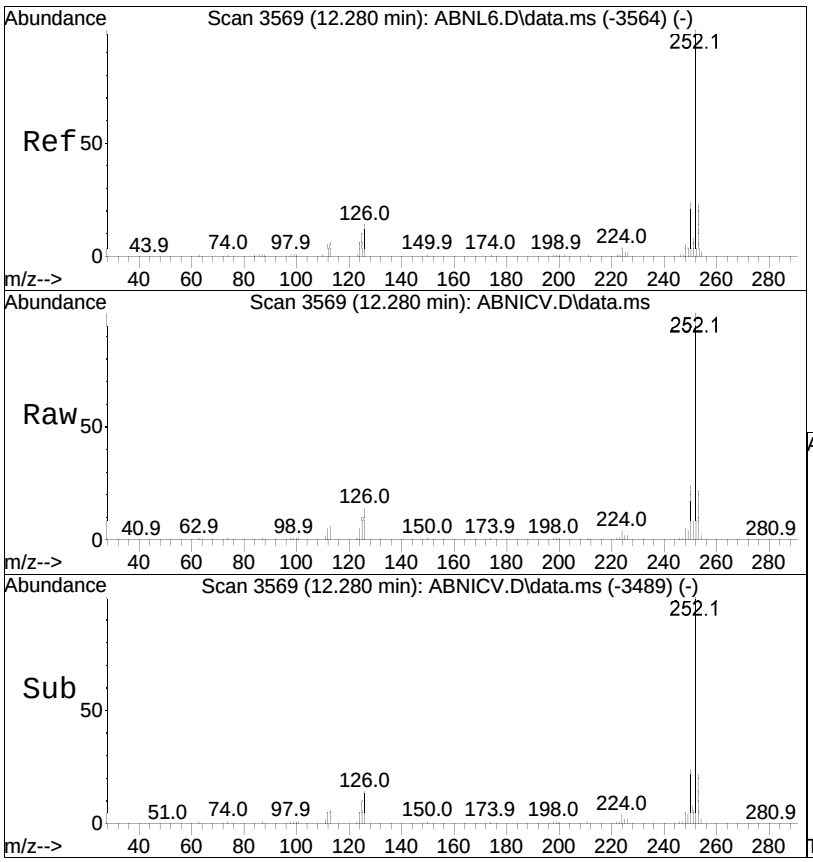


#112
Benzo(b)fluoranthene
Concen: 4.49 ug/ml
RT: 12.252 min Scan# 3560
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 282392

Ion	Ratio	Lower	Upper
252	100		
125	10.8	13.3	19.9#
253	21.6	17.1	25.7

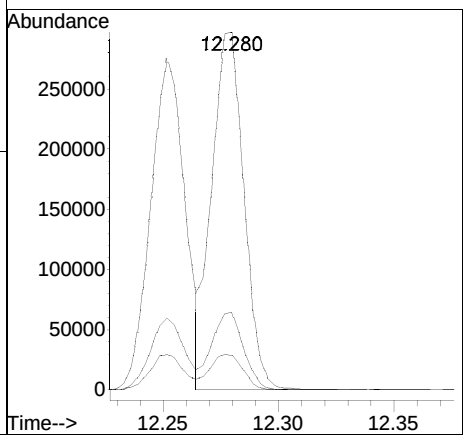


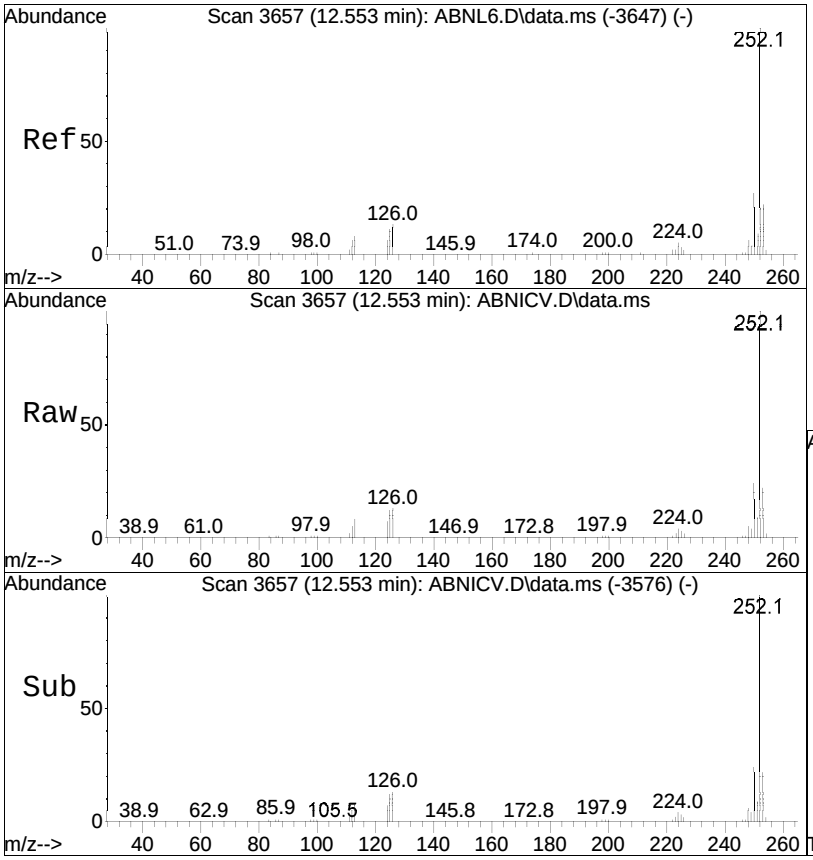


#113
Benzo(k)fluoranthene
Concen: 4.71 ug/ml
RT: 12.280 min Scan# 3569
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 288769

Ion	Ratio	Lower	Upper
252	100		
125	10.3	13.0	19.6#
253	21.4	16.8	25.2

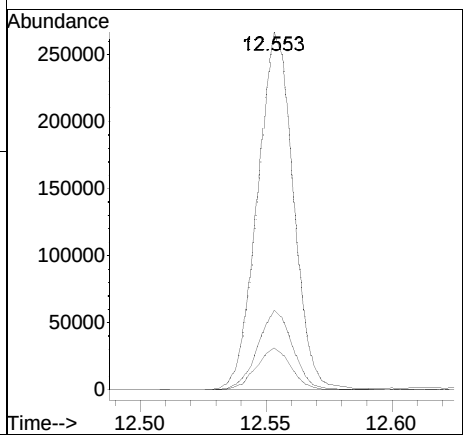


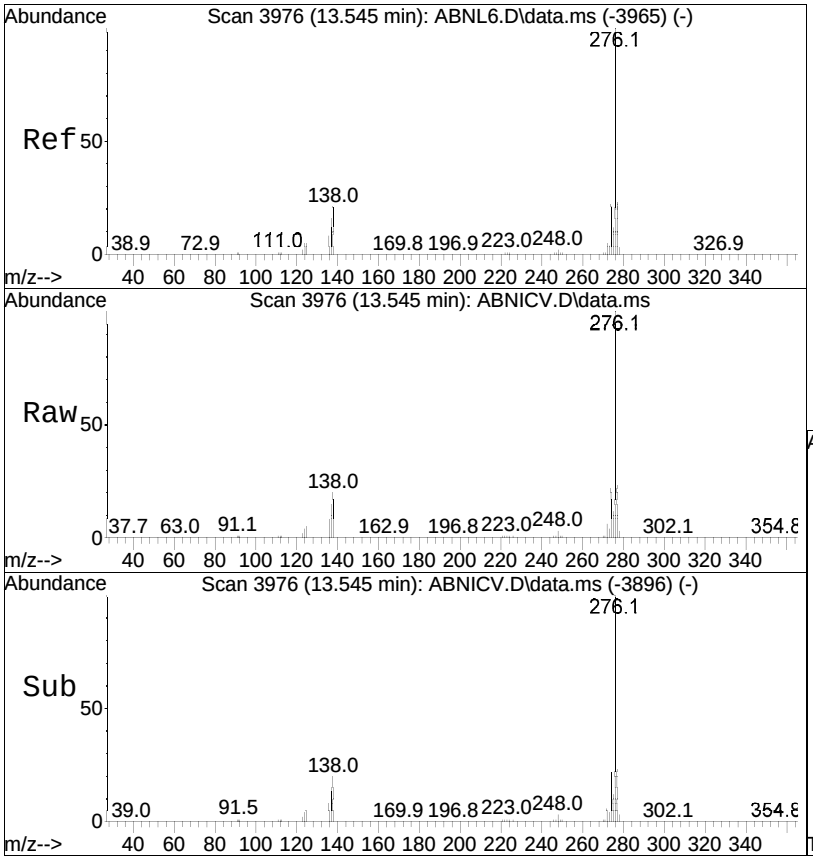


#114
Benzo(a)pyrene
Concen: 4.67 ug/ml
RT: 12.553 min Scan# 3657
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 262323

Ion	Ratio	Lower	Upper
252	100		
125	11.6	14.2	21.2#
253	21.9	16.9	25.3

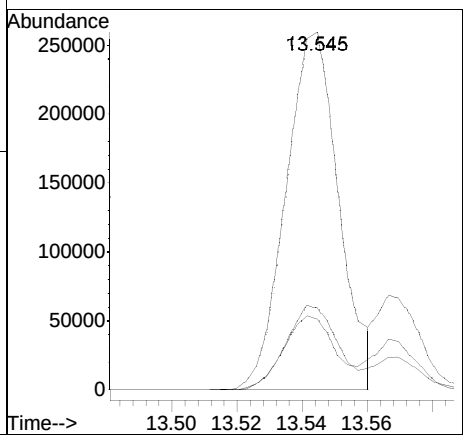


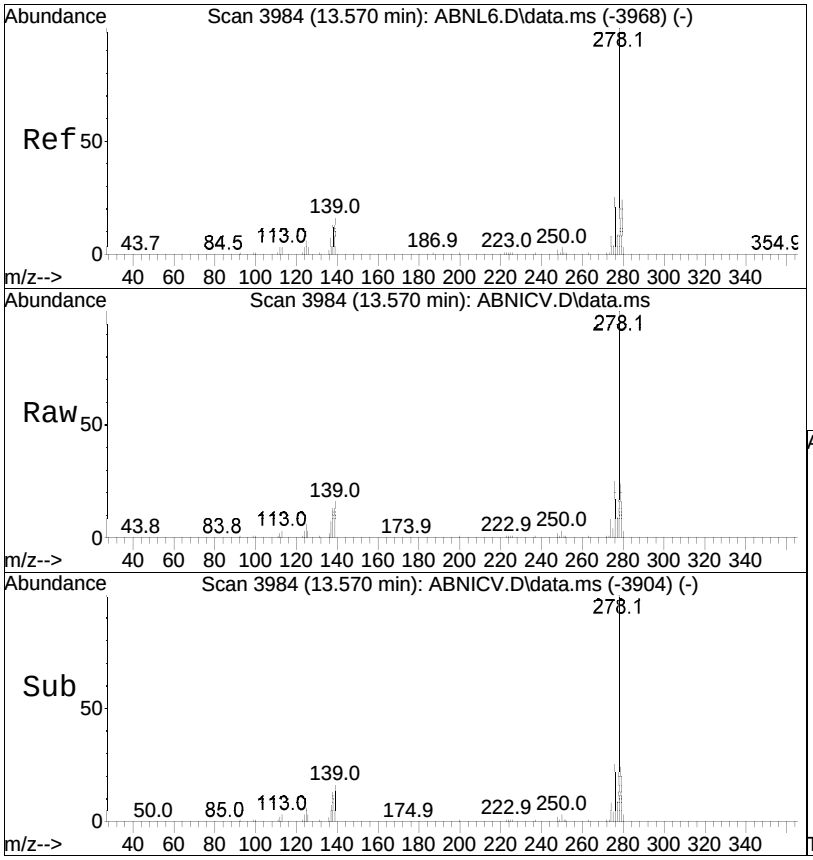


#116
Indeno(1,2,3-cd)pyrene
Concen: 4.58 ug/mL
RT: 13.545 min Scan# 3976
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:276 Resp: 292191

Ion	Ratio	Lower	Upper
276	100		
138	20.8	25.1	37.7#
277	23.1	18.6	28.0

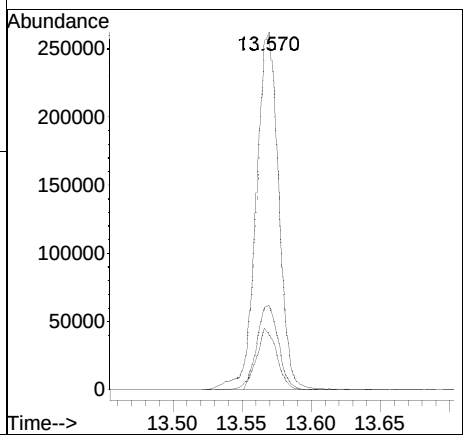


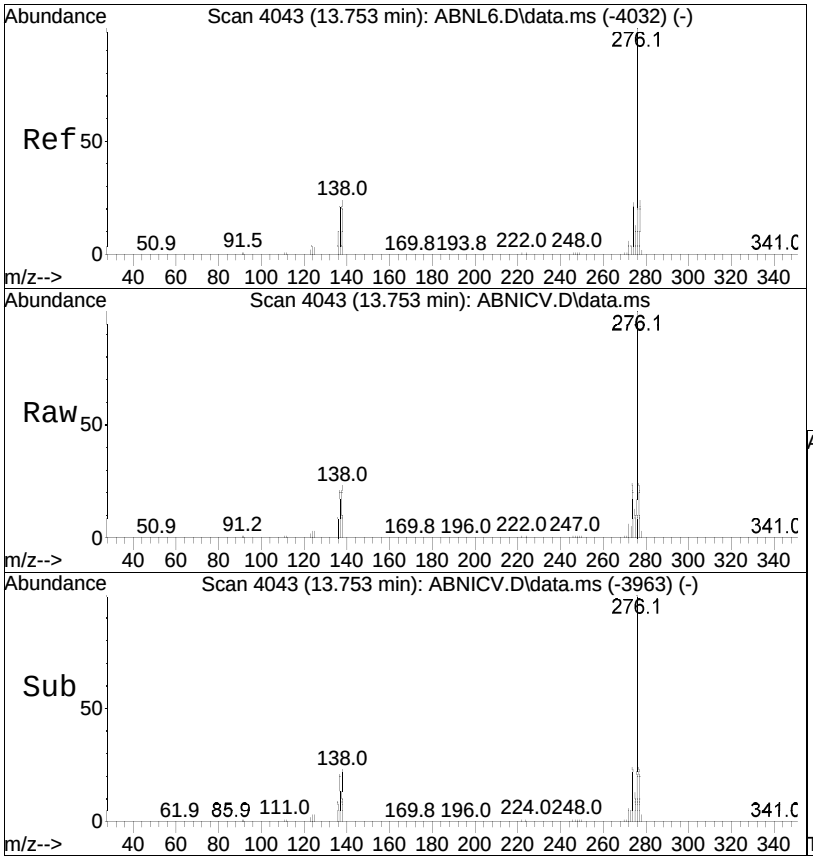


#117
Dibenzo(a,h)anthracene
Concen: 4.67 ug/ml
RT: 13.570 min Scan# 3984
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:278 Resp: 293099

Ion	Ratio	Lower	Upper
278	100		
139	15.6	20.8	31.2#
279	23.3	18.3	27.5

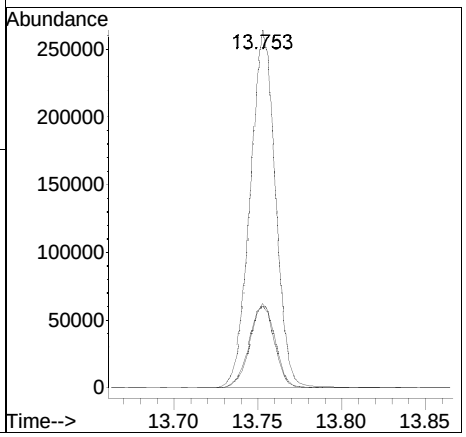




#118
Benzo(ghi)perylene
Concen: 4.45 ug/ml
RT: 13.753 min Scan# 4043
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:276 Resp: 274527

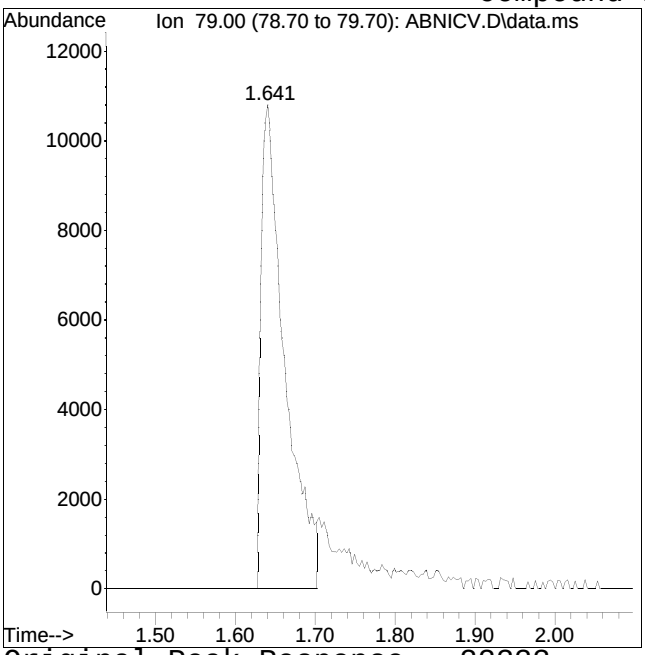
Ion	Ratio	Lower	Upper
276	100		
138	23.4	29.2	43.8#
277	23.6	18.8	28.2

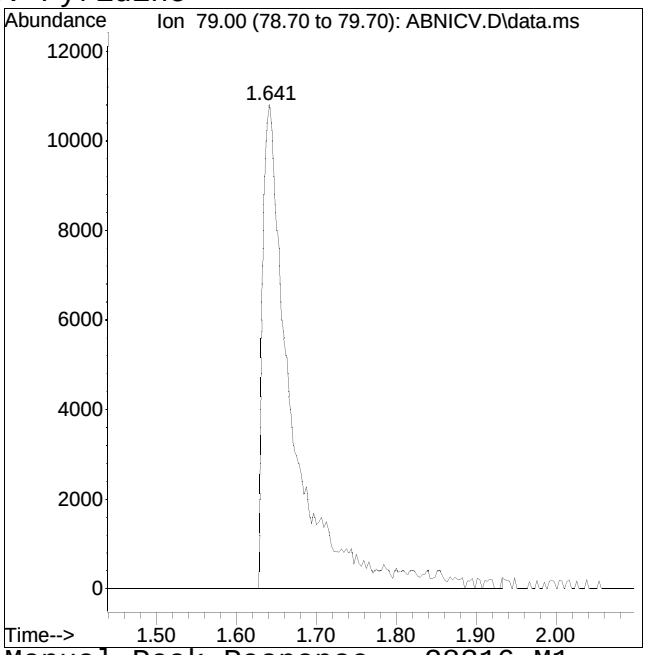


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNICV.D
Date Inj'd : 11/5/2024 11:59 pm
Sample : CQICV1,32,,ABNICV Lot# 111
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/11/2024 3:35 pm

Compound #3: Pyridine





Original Peak Response = 22333 Manual Peak Response = 28316 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9ICV.D
Acq On : 6 Nov 2024 12:23 am
Operator : Dakota:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11139
Misc : WG1994500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 06 10:19:36 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 10:13:33 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
28	T	Benzaldehyde	0.703	0.766	-9.0	102	0.00
29	T	Acetophenone	1.403	1.539	-9.7	107	0.00
30	T	m-Toluidine	1.287	1.347	-4.7	103	0.00
31	T	2-Chloroaniline	1.368	1.507	-10.2	107	0.00
57	I	IS2_Naphthalene-d8	1.000	1.000	0.0	105	0.00
58	T	a-Terpineol	0.221	0.239	-8.1	107	0.00
59	T	3-Chloroaniline	0.115	0.123	-7.0	103	0.00
60	T	2,6-Dichlorophenol	0.296	0.316	-6.8	104	0.00
61	T	1-chloro-2-nitrobenzene	0.113	0.122	-8.0	102	0.00
62	T	Caprolactam	0.123	0.131	-6.5	109	0.00
63	T	1,2,4,5-Tetrachlorobenzene	0.413	0.446	-8.0	108	0.00
64	T	Biphenyl	0.842	0.904	-7.4	106	0.00
85	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	103	0.00
86	T	Dichloran	0.169	0.181	-7.1	112	0.00
87	T	Pentachloronitrobenzene	0.187	0.195	-4.3	111	0.00
100	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	102	0.00
101	T	Diphenamid	0.416	0.467	-12.3	110	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9ICV.D
Acq On : 6 Nov 2024 12:23 am
Operator : Dakota:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11139
Misc : WG1994500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 06 10:19:36 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 10:13:33 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.282	152	28764	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery =	101.49%		
57) IS2_Naphthalene-d8	5.519	136	103898	4.000	ug/ml	0.00
Standard Area 1 = 98544			Recovery =	105.43%		
85) IS2_Acenaphthene-d10	7.210	164	66081	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery =	102.67%		
100) IS2_Phenanthrene-d10	8.621	188	145261	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery =	101.94%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.847	105	27551	5.446	ug/ml	95
29) Acetophenone	4.693	105	55323	5.482	ug/ml#	80
30) m-Toluidine	4.780	106	48432	5.234	ug/ml	94
31) 2-Chloroaniline	5.134	127	54178	5.507	ug/ml#	90
58) a-Terpineol	5.588	59	30996	5.390	ug/ml#	78
59) 3-Chloroaniline	5.600	65	15940	5.355	ug/ml	85
60) 2,6-Dichlorophenol	5.625	162	41042	5.346	ug/ml#	83
61) 1-chloro-2-nitrobenzene	5.877	111	15818	5.368	ug/ml#	1
62) Caprolactam	5.914	55	17075	5.349	ug/ml#	71
63) 1,2,4,5-Tetrachloroben...	6.387	216	57983	5.406	ug/ml#	94
64) Biphenyl	6.679	154	117373	5.369	ug/ml	97
86) Dichloran	8.332	206	14931	5.349	ug/ml#	56
87) Pentachloronitrobenzene	8.478	237	16109	5.227	ug/ml#	75
101) Diphenamid	9.535	167	84796	5.614	ug/ml#	75

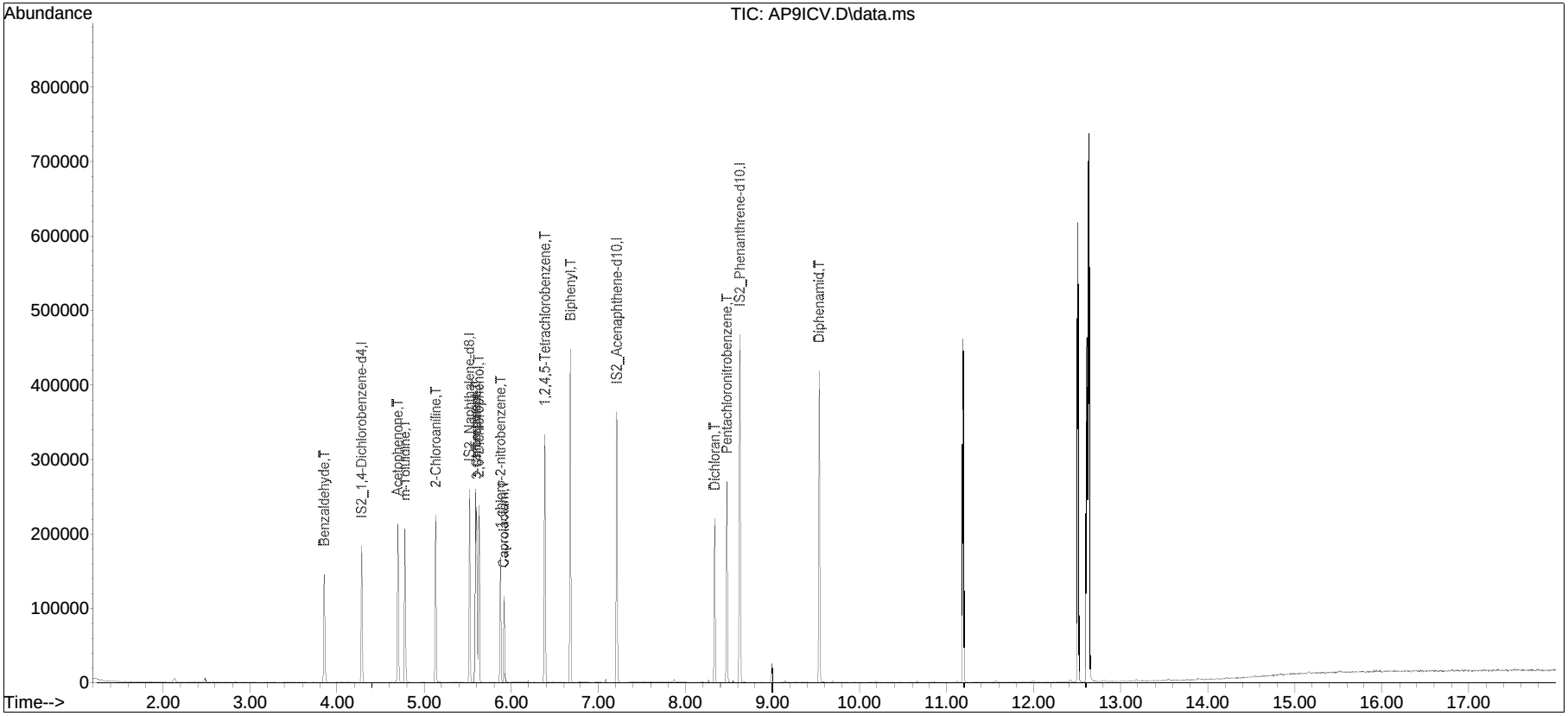
(#) = qualifier out of range (m) = manual integration (+) = signals summed

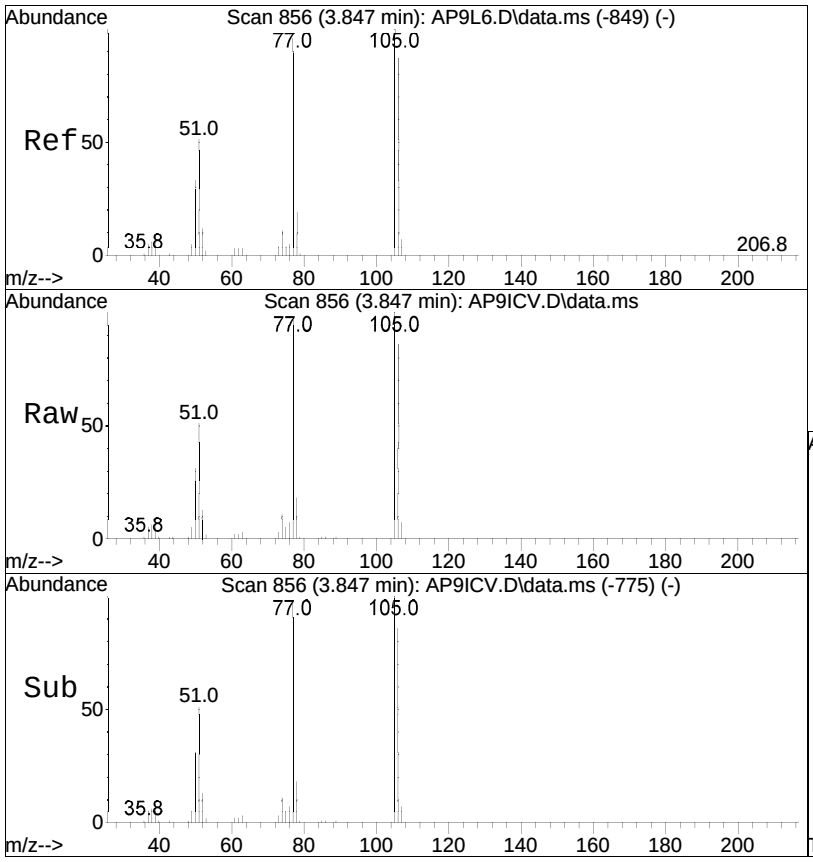
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9ICV.D
Acq On : 6 Nov 2024 12:23 am
Operator : Dakota:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11139
Misc : WG1994500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 06 10:19:36 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 10:13:33 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•

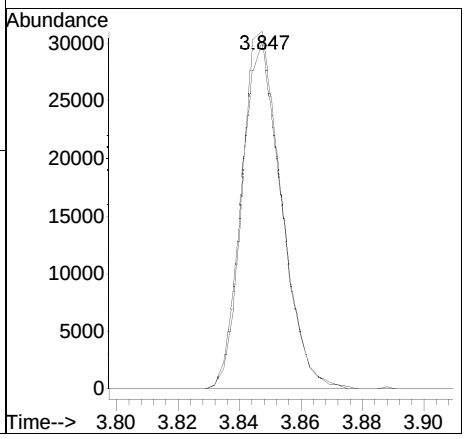


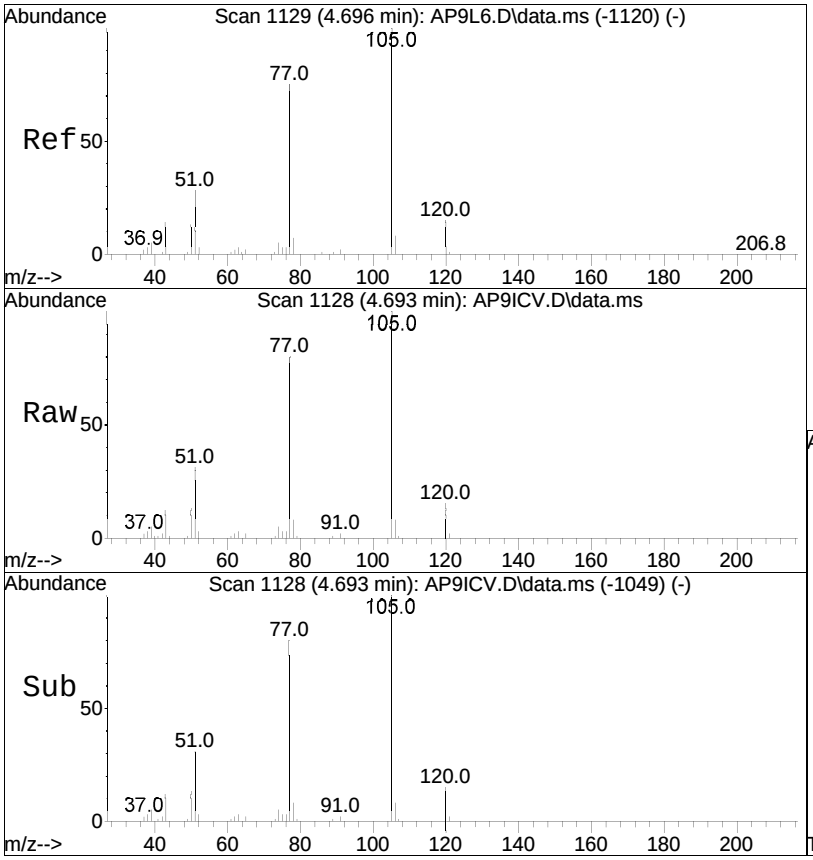


#28
Benzaldehyde
Concen: 5.45 ug/ml
RT: 3.847 min Scan# 856
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:105 Resp: 27551

Ion	Ratio	Lower	Upper
105	100		
77	98.2	82.2	123.4

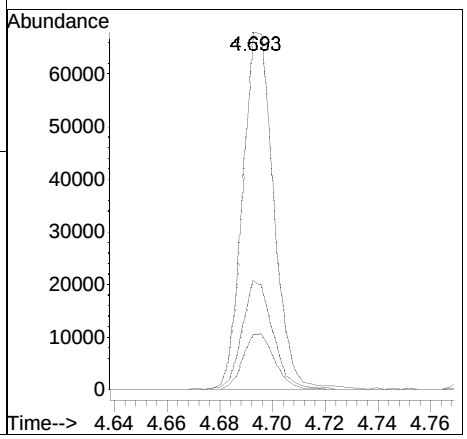


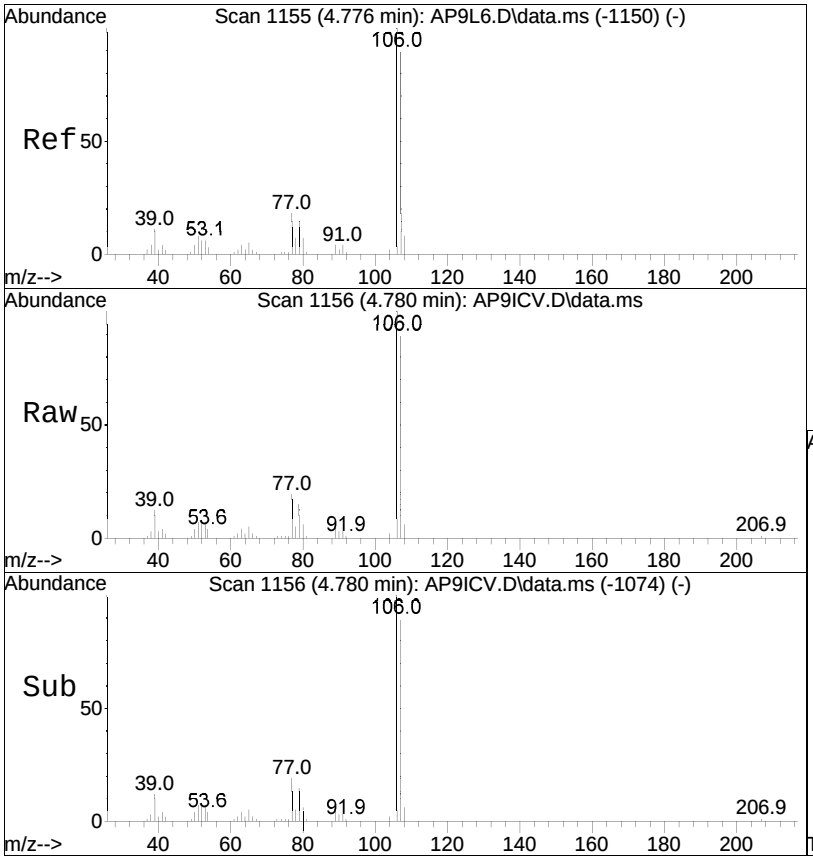


#29
Acetophenone
Concen: 5.48 ug/ml
RT: 4.693 min Scan# 1128
Delta R.T. -0.003 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:105 Resp: 55323

Ion	Ratio	Lower	Upper
105	100		
120	15.8	20.5	30.7#
51	30.2	34.9	52.3#

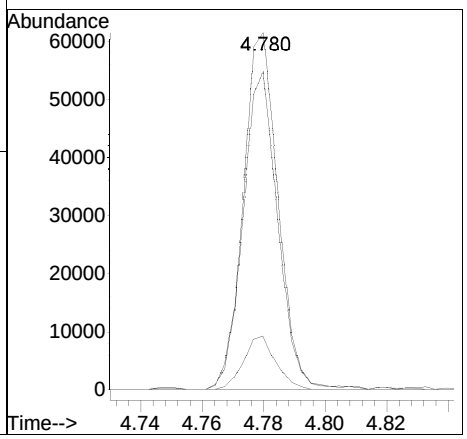


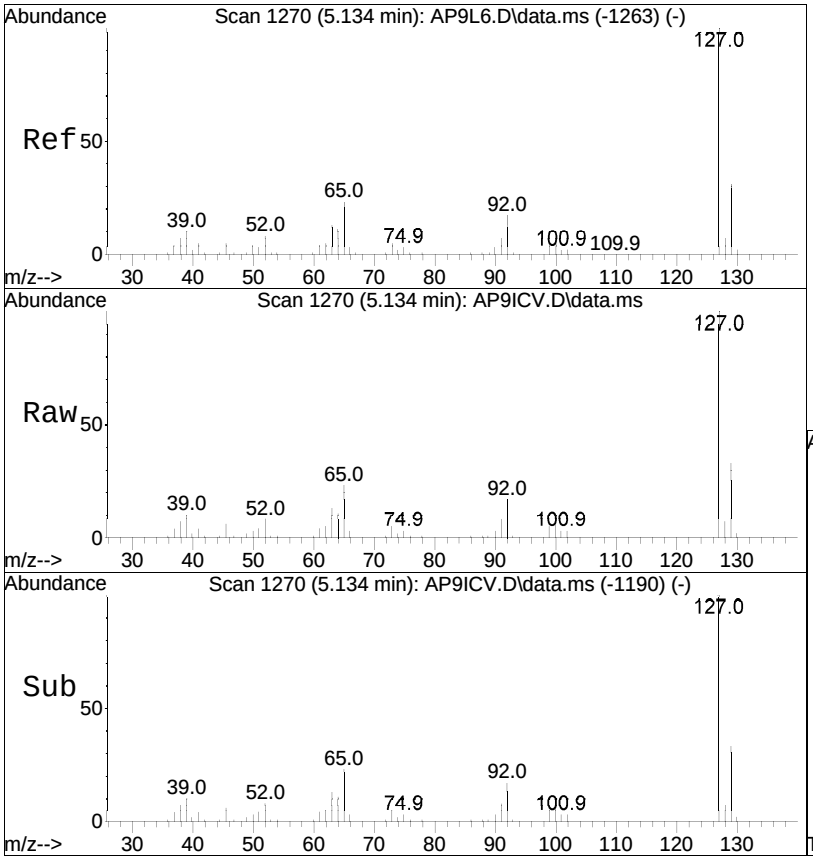


#30
m-Toluidine
Concen: 5.23 ug/ml
RT: 4.780 min Scan# 1156
Delta R.T. 0.004 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:106 Resp: 48432

Ion	Ratio	Lower	Upper
106	100		
107	88.6	75.7	113.5
79	13.8	11.8	17.8

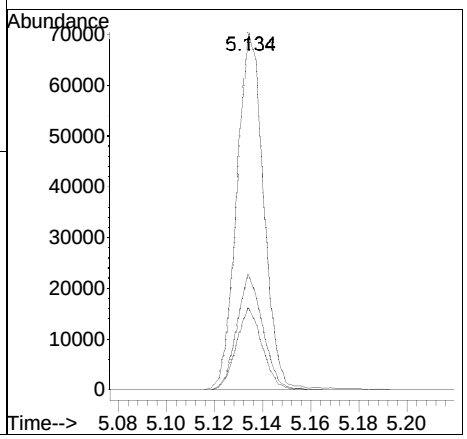


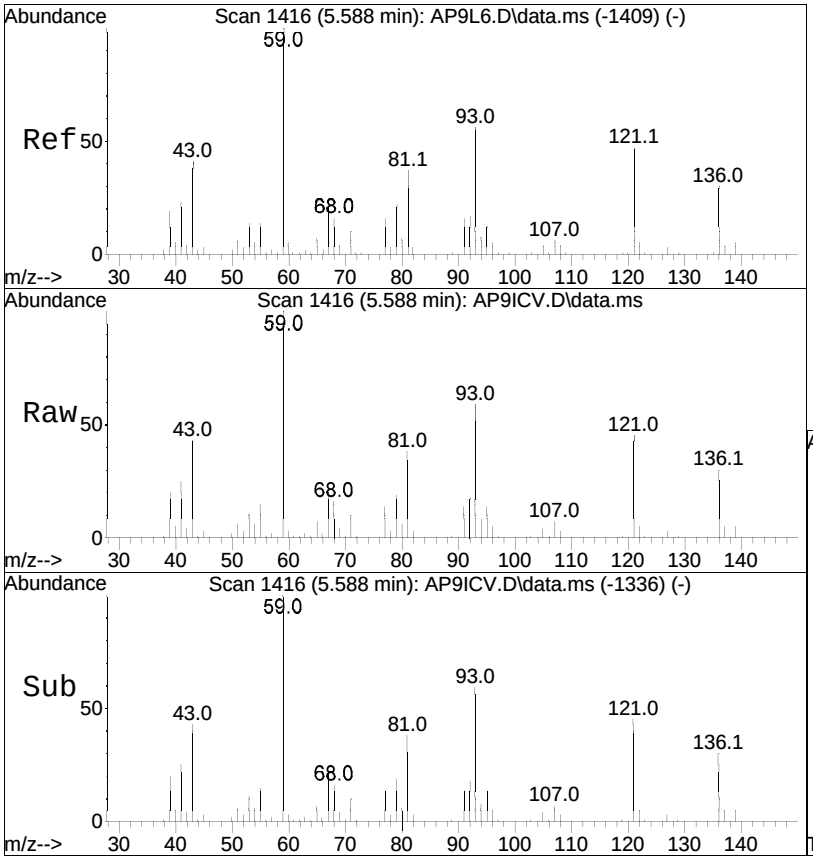


#31
2-Chloroaniline
Concen: 5.51 ug/ml
RT: 5.134 min Scan# 1270
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:127 Resp: 54178

Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.9	38.9
65	22.2	26.3	39.5#

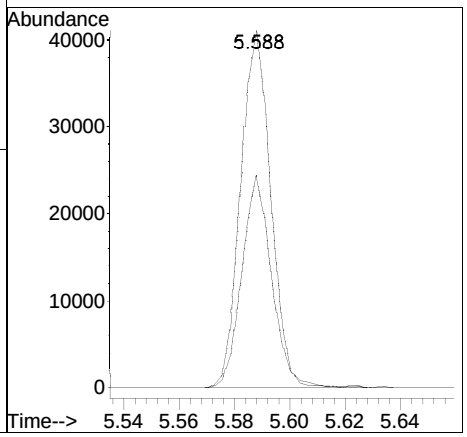


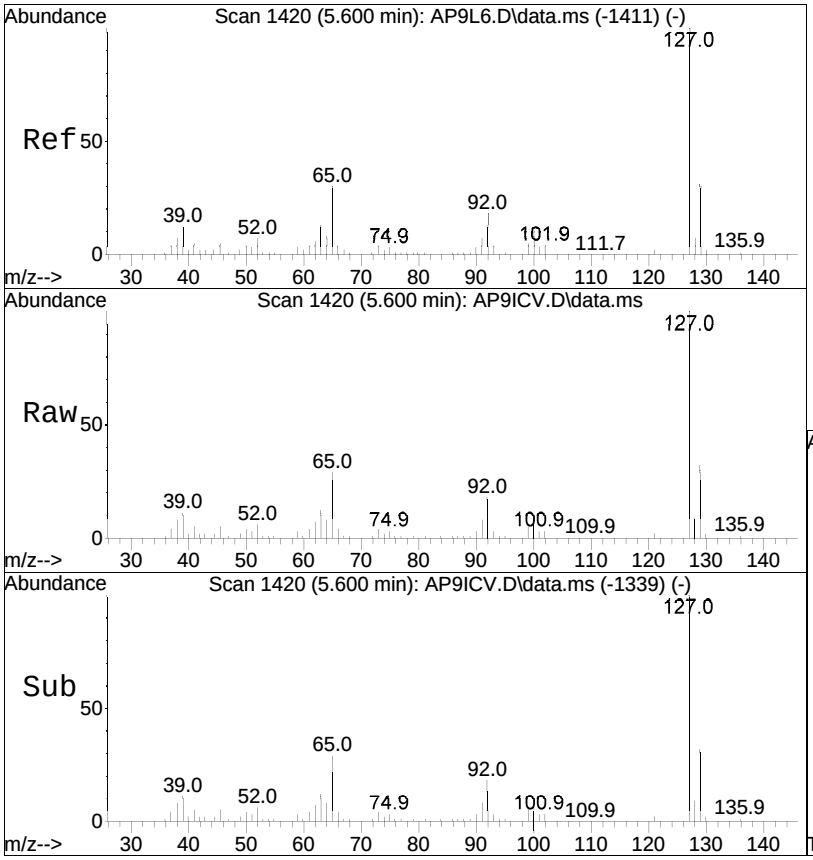


#58
a-Terpineol
Concen: 5.39 ug/ml
RT: 5.588 min Scan# 1416
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion: 59 Resp: 30996

Ion	Ratio	Lower	Upper
59	100		
93	58.9	35.6	53.4#

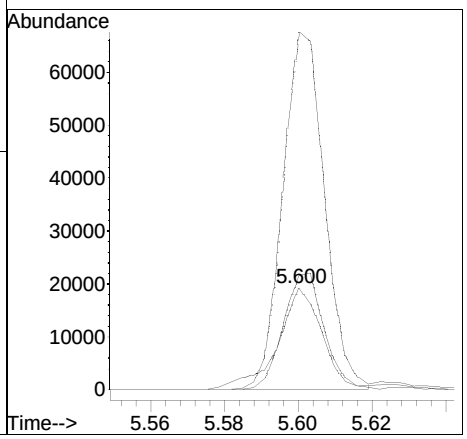


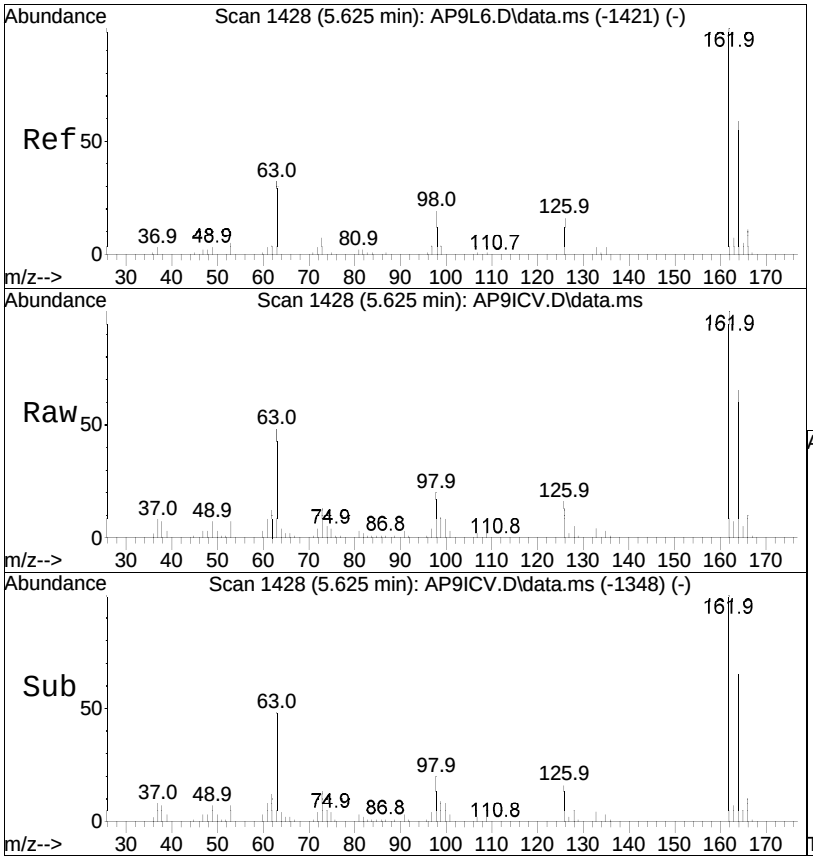


#59
3-Chloroaniline
Concen: 5.36 ug/ml
RT: 5.600 min Scan# 1420
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion: 65 Resp: 15940

Ion	Ratio	Lower	Upper
65	100		
127	337.6	243.2	364.8
129	105.3	78.8	118.2

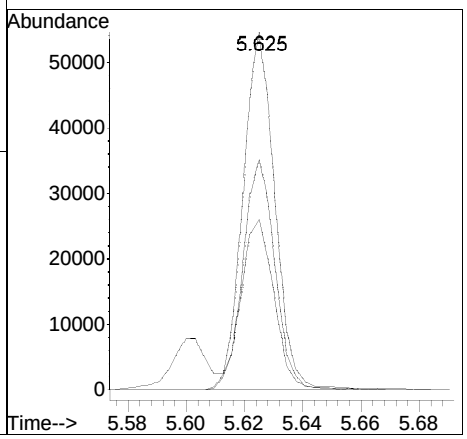


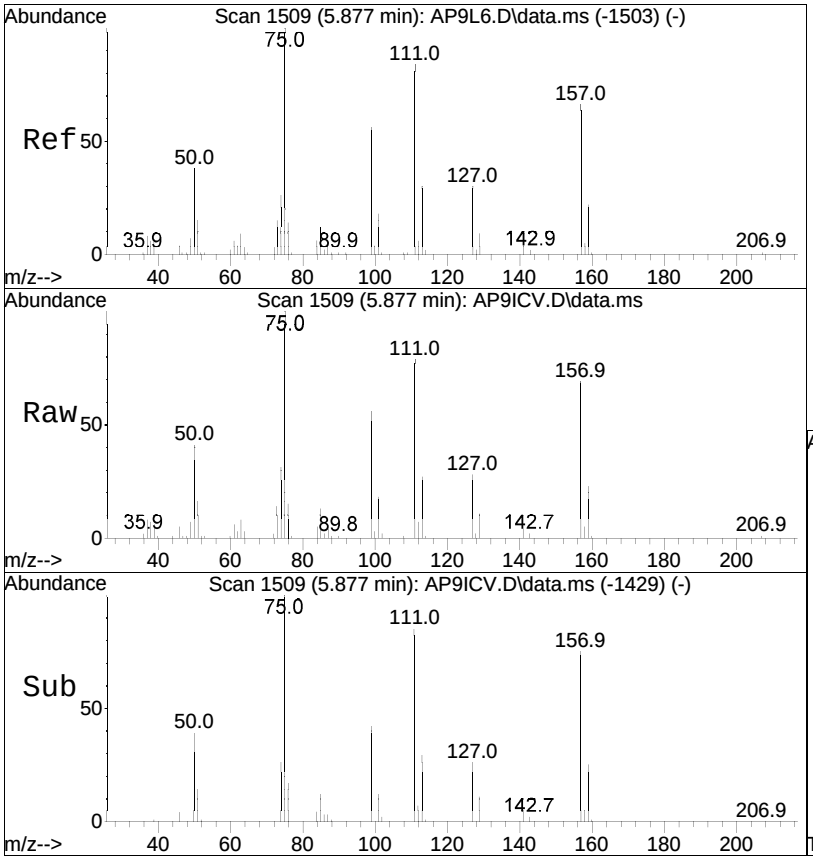


#60
2,6-Dichlorophenol
Concen: 5.35 ug/ml
RT: 5.625 min Scan# 1428
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:162 Resp: 41042

Ion	Ratio	Lower	Upper
162	100		
164	64.6	51.1	76.7
63	49.9	60.8	91.2#

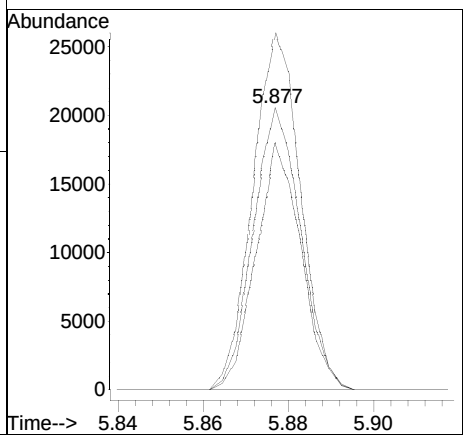


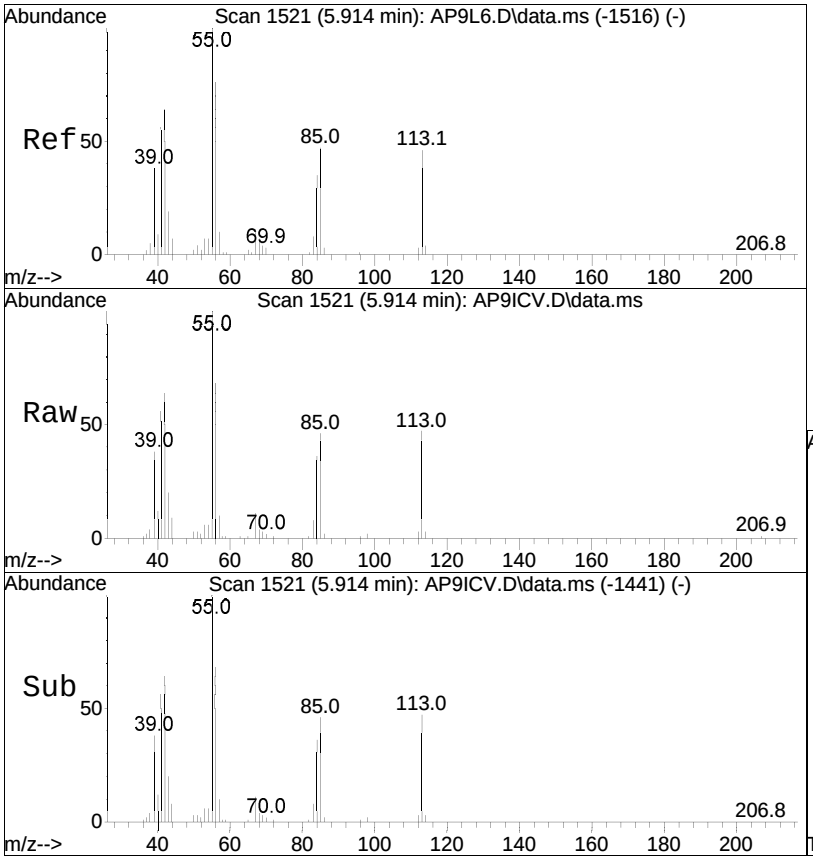


#61
1-chloro-2-nitrobenzene
Concen: 5.37 ug/ml
RT: 5.877 min Scan# 1509
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:111 Resp: 15818

Ion	Ratio	Lower	Upper
111	100		
157	83.1	0.0	0.0#
75	127.9	28.2	42.2#

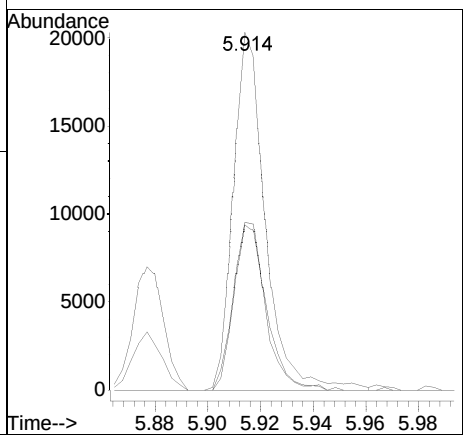


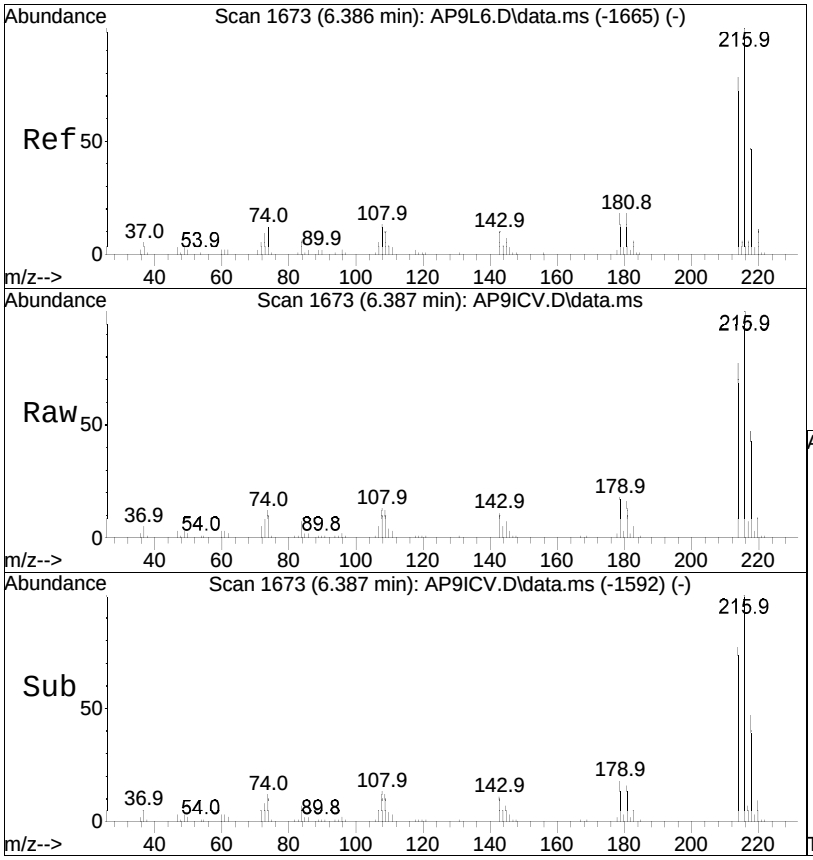


#62
Caprolactam
Concen: 5.35 ug/ml
RT: 5.914 min Scan# 1521
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion: 55 Resp: 17075

Ion	Ratio	Lower	Upper
55	100		
85	45.5	19.8	29.6#
113	48.9	29.6	44.4#

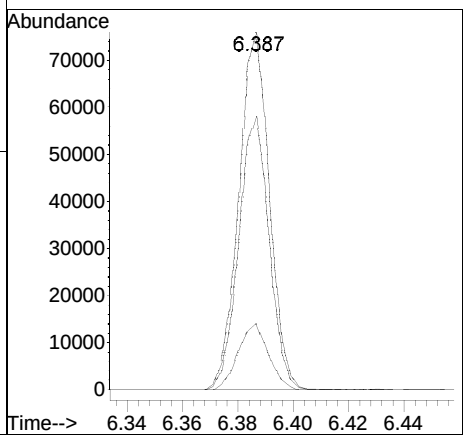


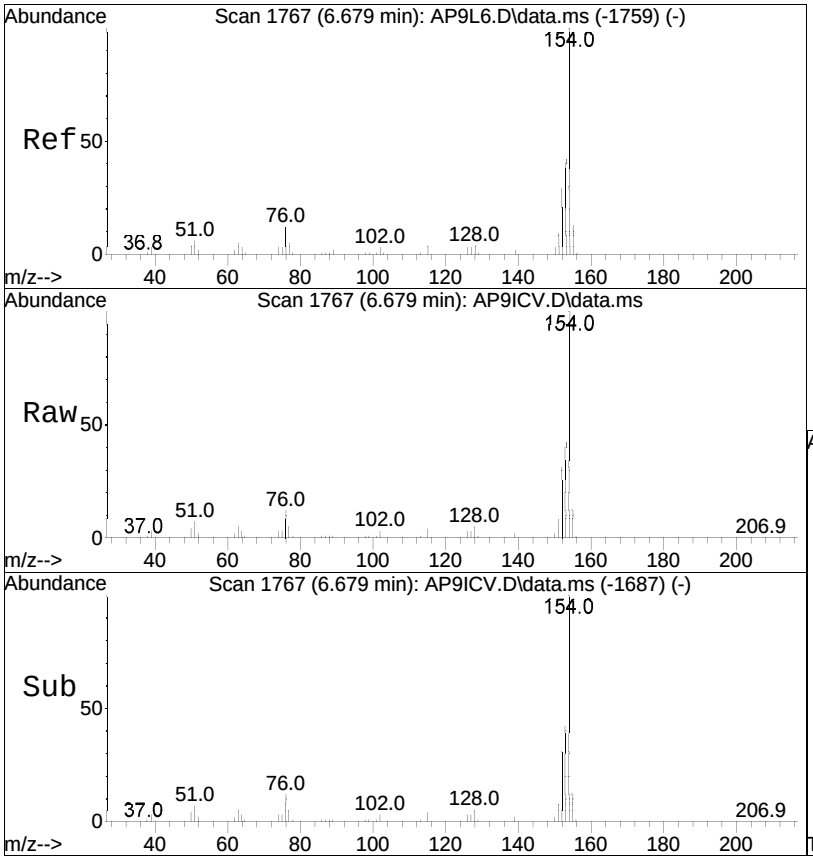


#63
1,2,4,5-Tetrachlorobenzene
Concen: 5.41 ug/ml
RT: 6.387 min Scan# 1673
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:216 Resp: 57983

Ion	Ratio	Lower	Upper
216	100		
214	75.8	63.7	95.5
179	18.4	19.0	28.6#

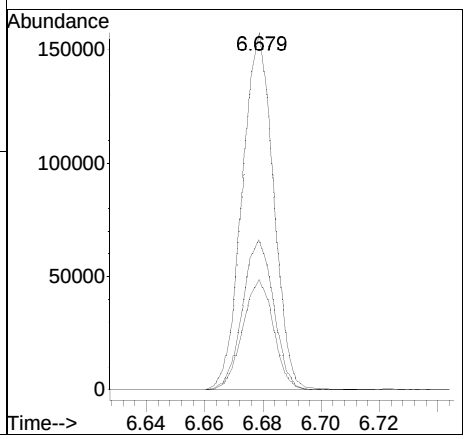


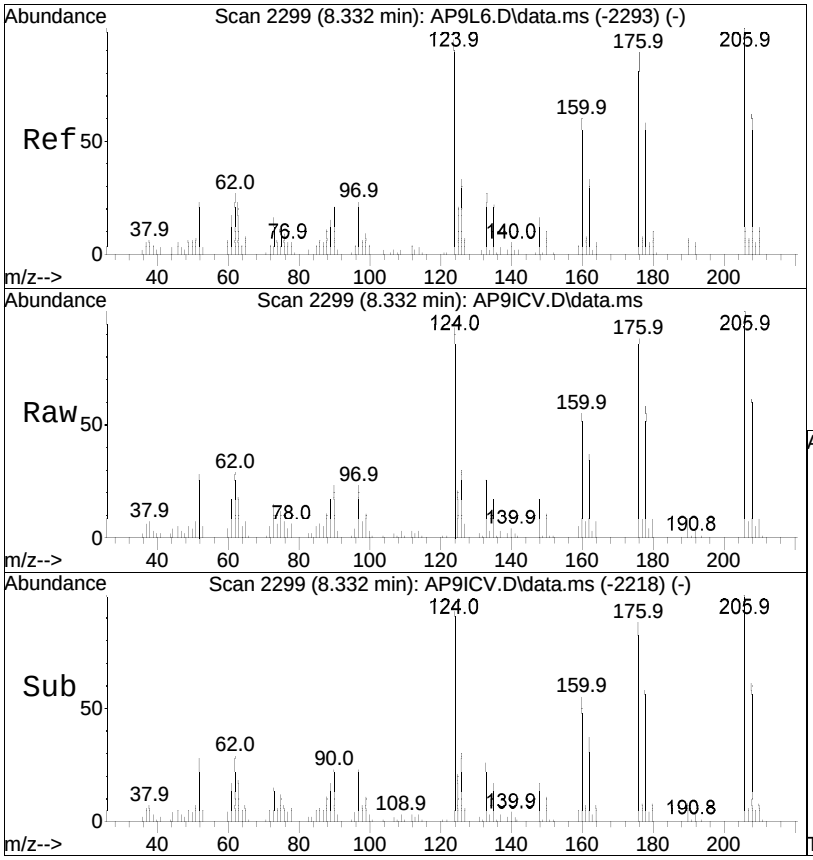


#64
Biphenyl
Concen: 5.37 ug/ml
RT: 6.679 min Scan# 1767
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:154 Resp: 117373

Ion	Ratio	Lower	Upper
154	100		
153	41.8	32.3	48.5
152	30.6	22.5	33.7

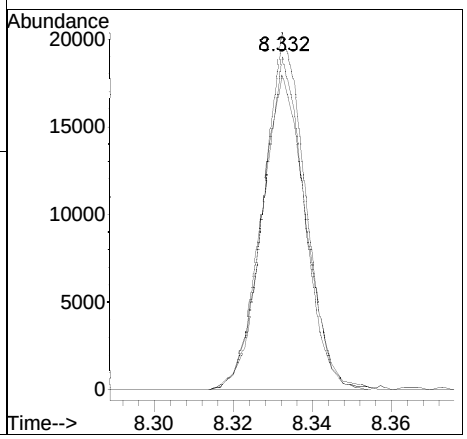


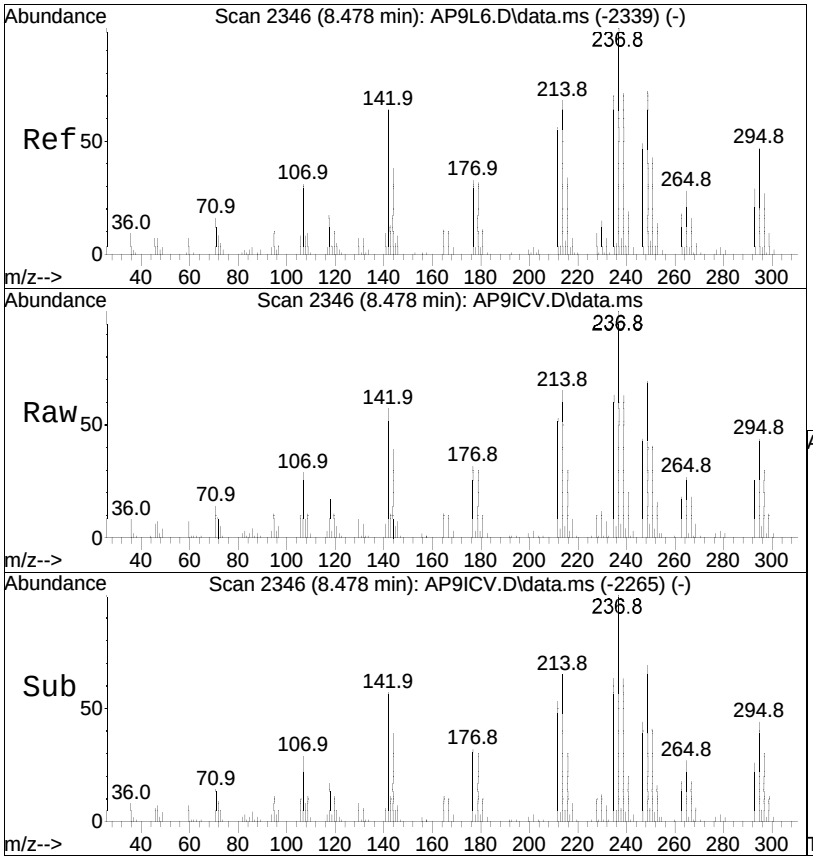


#86
Dichloran
Concen: 5.35 ug/ml
RT: 8.332 min Scan# 2299
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:206 Resp: 14931

Ion	Ratio	Lower	Upper
206	100		
176	92.1	104.6	157.0#
124	93.6	130.5	195.7#

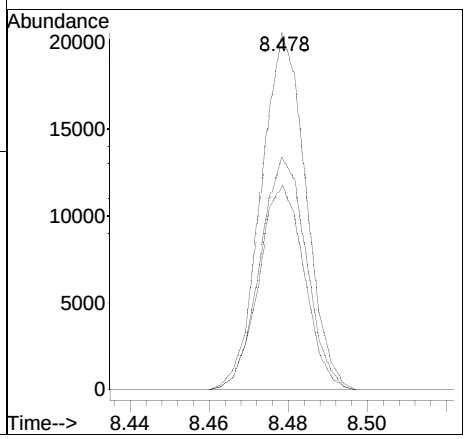


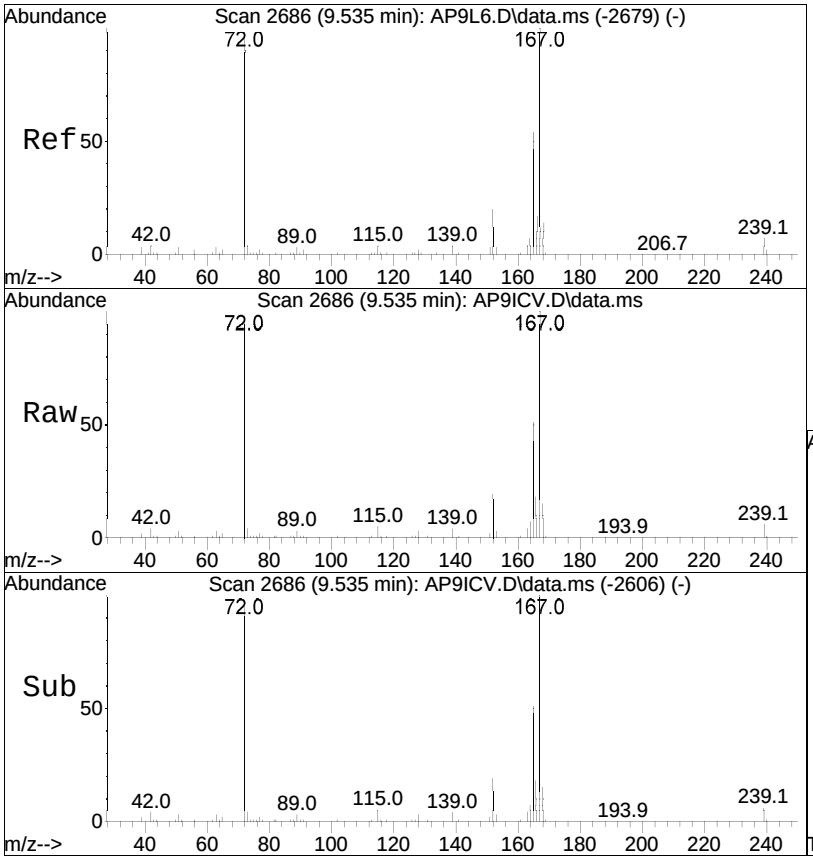


#87
Pentachloronitrobenzene
Concen: 5.23 ug/ml
RT: 8.478 min Scan# 2346
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:237 Resp: 16109

Ion	Ratio	Lower	Upper
237	100		
142	58.5	77.0	115.4#
214	67.2	58.2	87.4

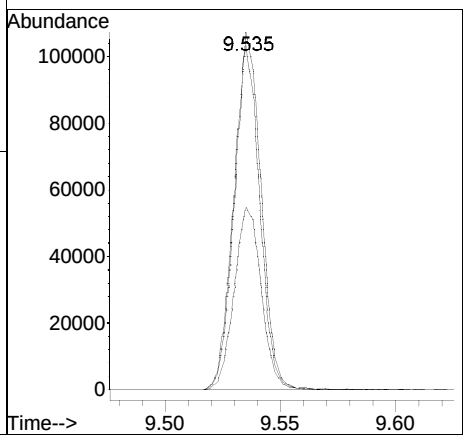




#101
Diphenamid
Concen: 5.61 ug/ml
RT: 9.535 min Scan# 2686
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:167 Resp: 84796

Ion	Ratio	Lower	Upper
167	100		
72	95.3	109.7	164.5#
165	52.6	41.8	62.6



Manual Integration Report

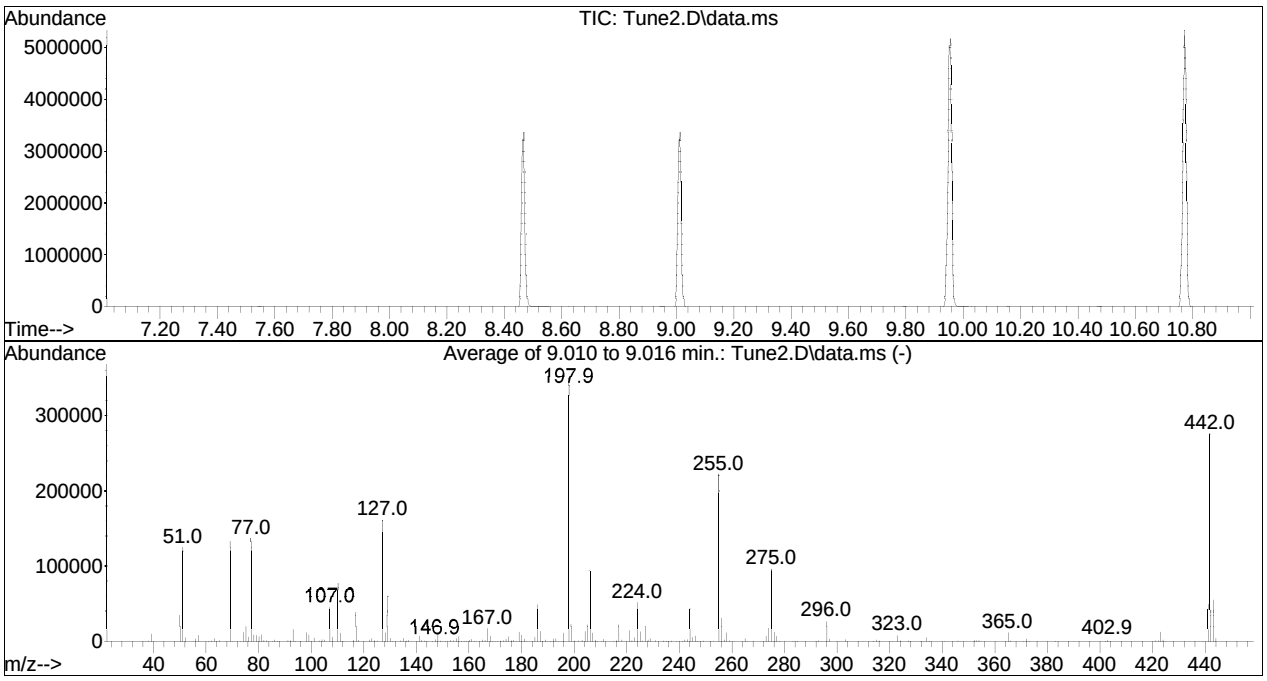
Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9ICV.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 12:23 am	Instrument	: Dakota
Sample	: CQICV2,32,,AP9ICV Lot# 111	Quant Date	: 11/6/2024 10:19 am

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

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024



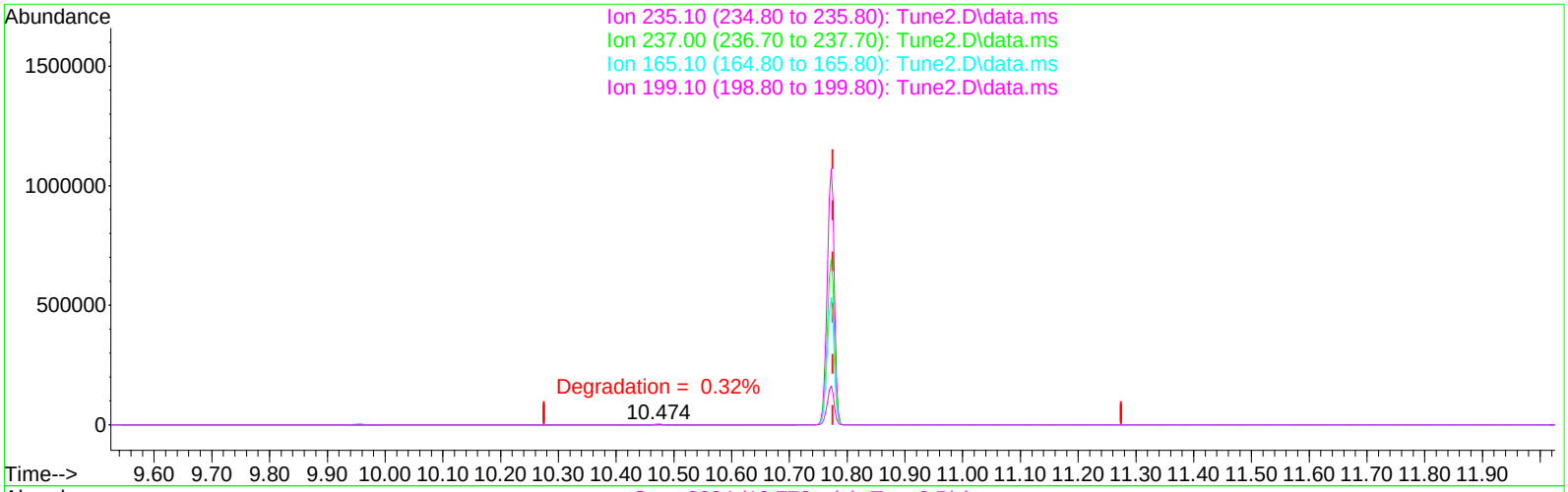
Spectrum Information: Average of 9.010 to 9.016 min.

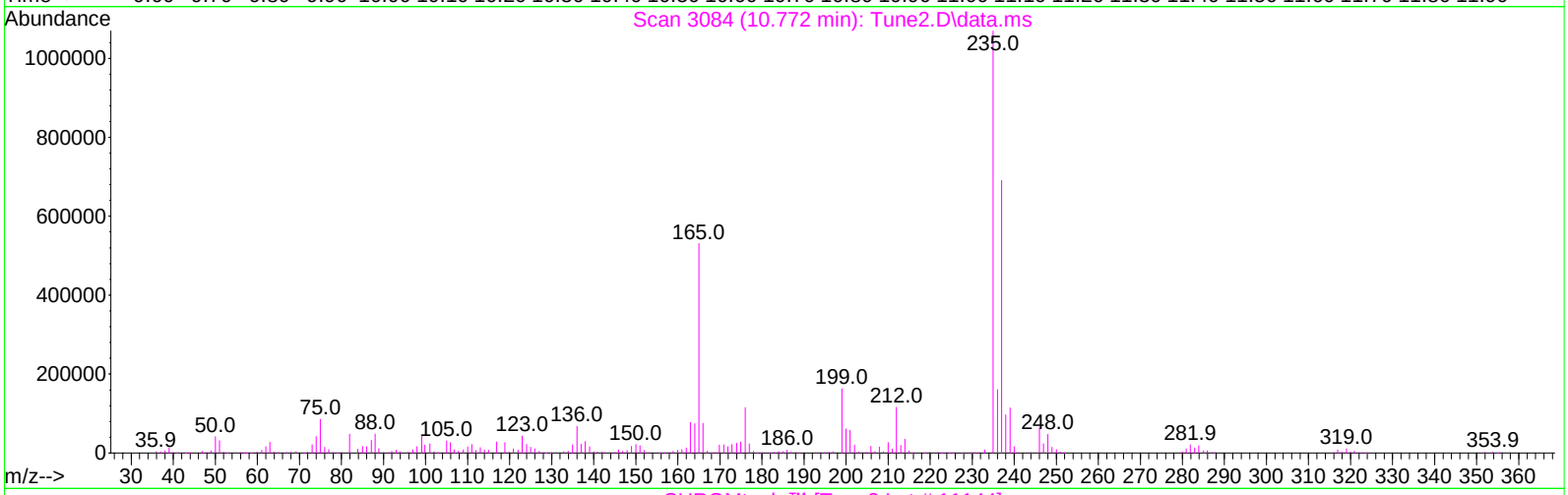
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.4	124264	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	132925	PASS
70	69	0.00	2	0.6	743	PASS
127	198	10	80	45.9	160797	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	350613	PASS
199	198	5	9	6.6	23221	PASS
275	198	10	60	27.4	95952	PASS
365	198	1	100	3.3	11616	PASS
441	442	0.01	24	17.8	49075	PASS
442	198	50	100	78.8	276117	PASS
443	442	15	24	19.8	54664	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 06 05:42:03 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot # 11144]

(6) DDT (T)

10.772min (-0.003) 153.25

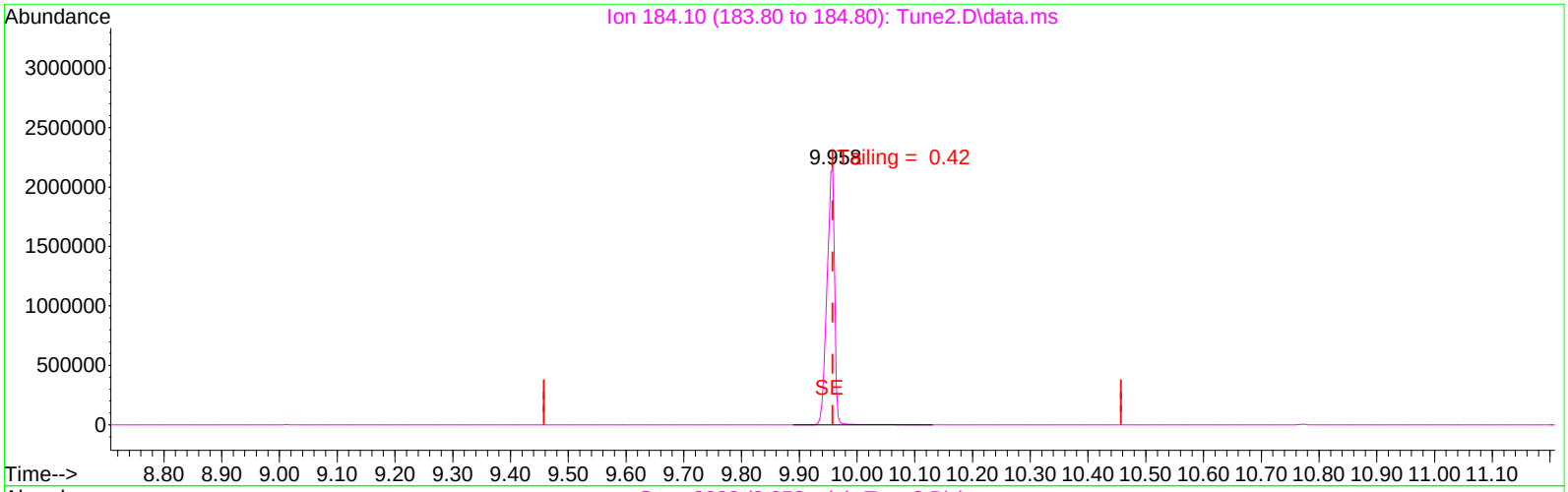
response 934167

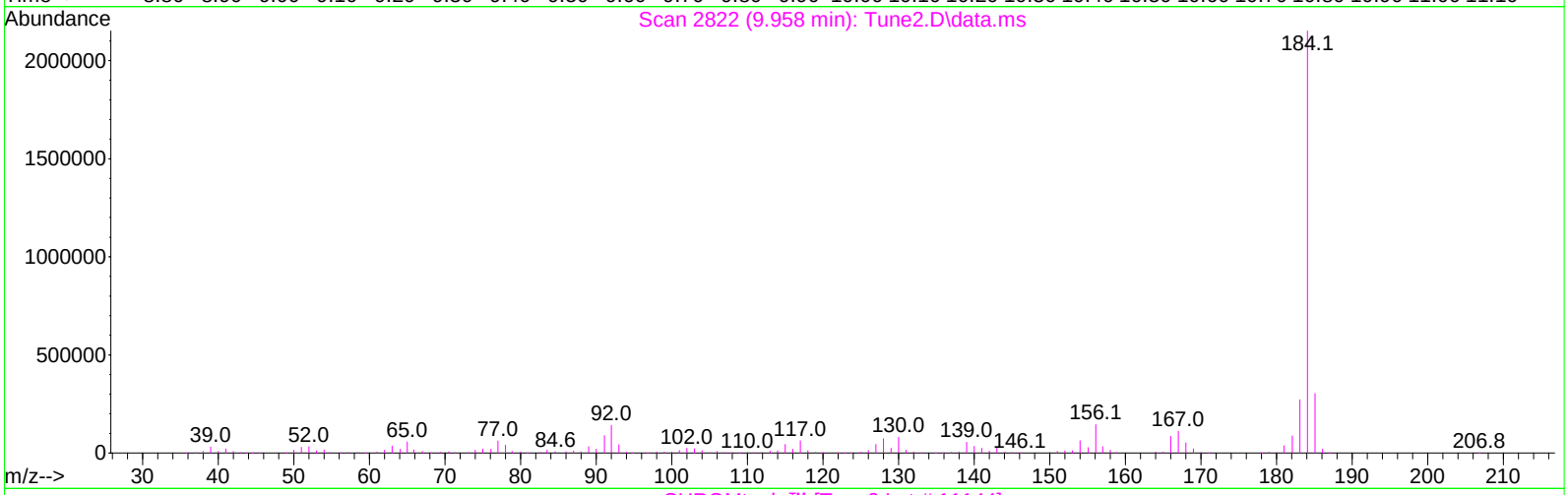
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.21
165.10	48.70	47.94
199.10	15.80	14.64

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 06 05:42:03 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot # 11144]

(3) Benzidine (T)

9.958min (-0.000) 193.14

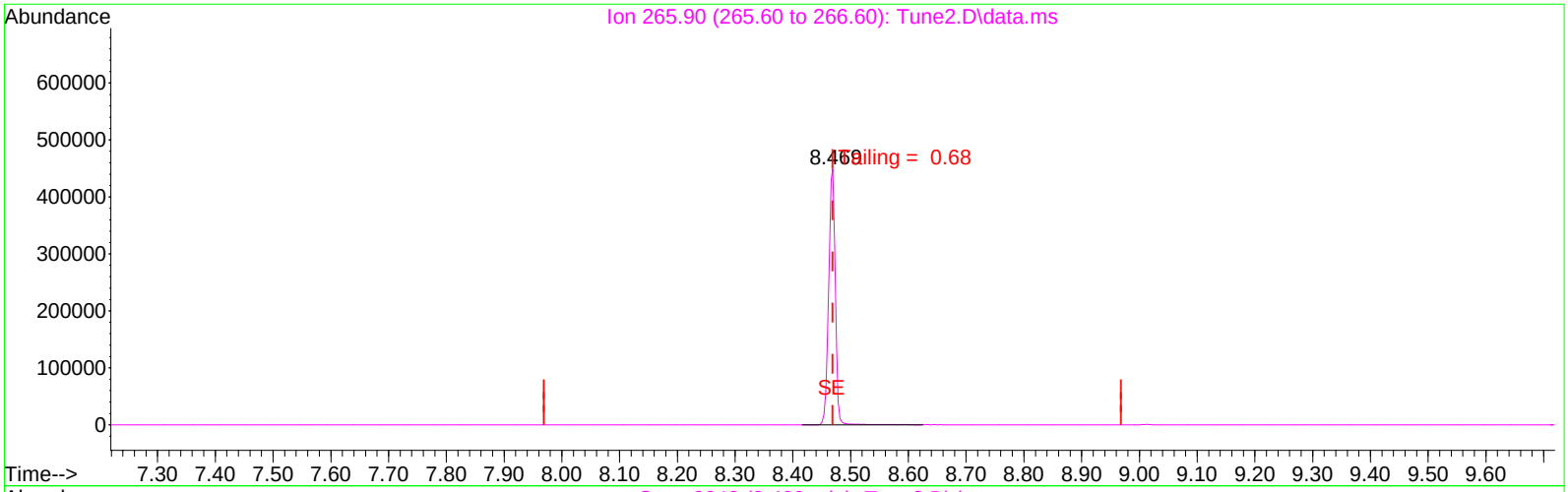
response 1966199

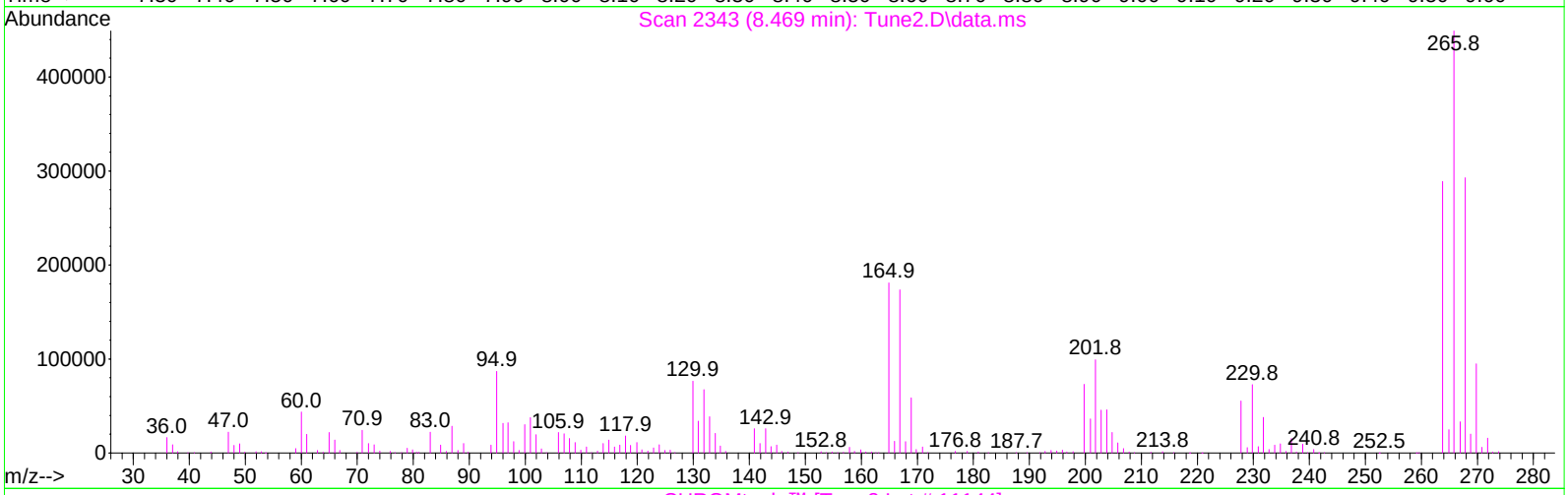
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 06 05:42:03 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot # 11144]

(1) Pentachlorophenol (T)

8.469min (+ 0.000) 171.00

response 359167

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL9.D
Acq On : 6 Nov 2024 1:10 am
Operator : Dakota:HNY
Sample : IL2,32,,ADPL50 Lot# 11129
Misc : WG1994500
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 06 09:33:16 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.283	152	28999	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	107.27%		
88) IS3_Acenaphthene-d10	7.210	164	65804	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	108.67%		
102) IS3_Phenanthrene-d10	8.622	188	145427	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	108.63%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.392	88	141959	49.972	ug/ml#	86
34) n-Nitrosodiethylamine	3.204	102	152387	54.276	ug/ml#	58
35) n-Decane	4.186	57	401118	48.893	ug/ml#	31
36) n-Nitrosopyrrolidine	4.668	100	194528	56.865	ug/ml#	76
89) Atrazine	8.432	200	329261	44.732	ug/ml	91
103) n-Octadecane	8.637	57	671578	53.256	ug/ml#	1
104) Parathion	9.423	109	209761	74.031	ug/ml	95
105) 3,3'-Dimethylbenzidine	10.670	212	1582279	46.887	ug/ml	99

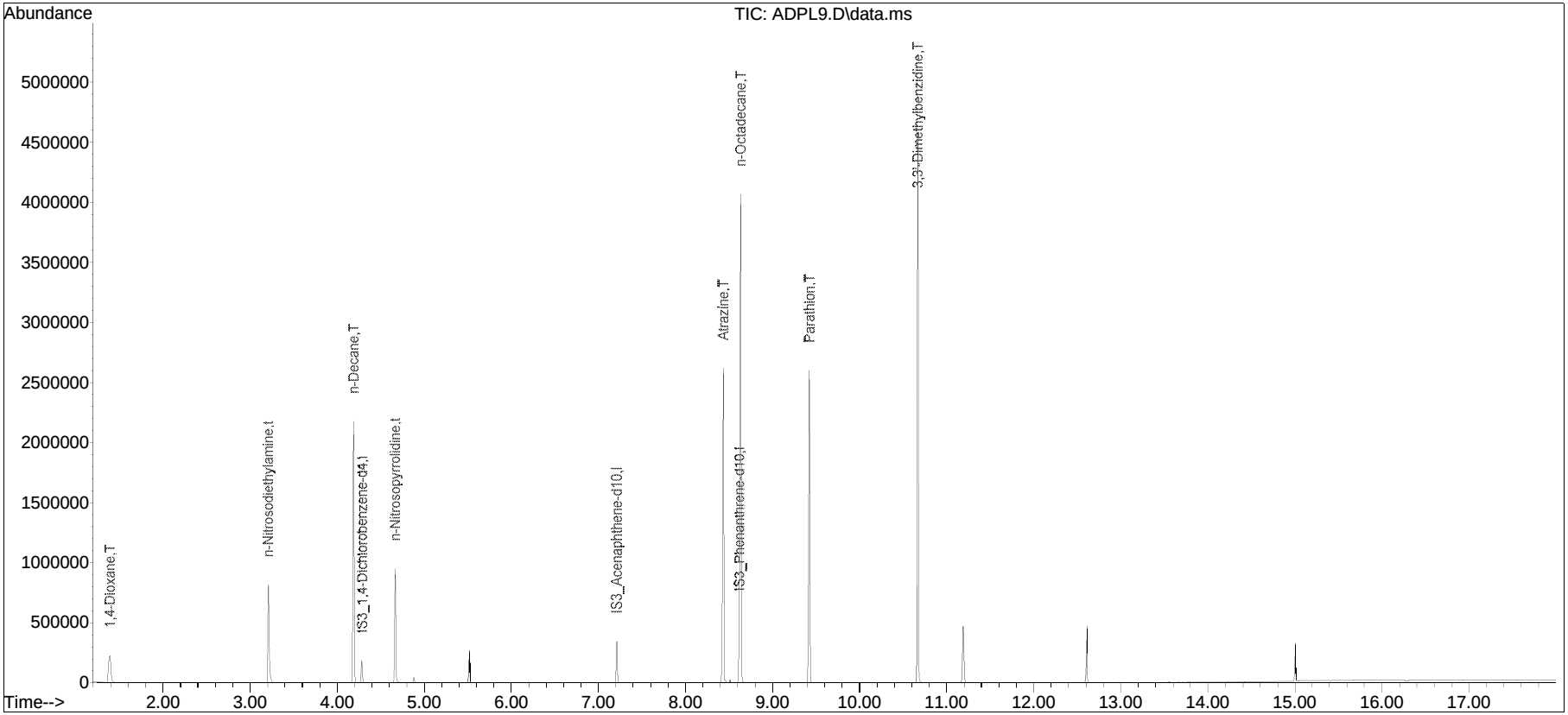
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL9.D
Acq On : 6 Nov 2024 1:10 am
Operator : Dakota:HNY
Sample : IL2,32,,ADPL50 Lot# 11129
Misc : WG1994500
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 06 09:33:16 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL9.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 1:10 am	Instrument	: Dakota
Sample	: IL2,32,,ADPL50 Lot# 11129	Quant Date	: 11/6/2024 8:37 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL8.D
Acq On : 6 Nov 2024 1:33 am
Operator : Dakota:HNY
Sample : IL3,32,,ADPL25 Lot# 11130
Misc : WG1994500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 06 09:32:37 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	29582	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	109.43%		
88) IS3_Acenaphthene-d10	7.210	164	67966	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	112.24%		
102) IS3_Phenanthrene-d10	8.624	188	154856	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	115.67%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	75610	26.091	ug/ml#	85
34) n-Nitrosodiethylamine	3.207	102	80879	28.239	ug/ml#	59
35) n-Decane	4.186	57	214035	25.575	ug/ml#	31
36) n-Nitrosopyrrolidine	4.665	100	101610	29.118	ug/ml#	75
89) Atrazine	8.429	200	170370	22.409	ug/ml	91
103) n-Octadecane	8.637	57	356815	26.572	ug/ml#	1
104) Parathion	9.423	109	102258	33.893	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.666	212	818111	22.767	ug/ml	99

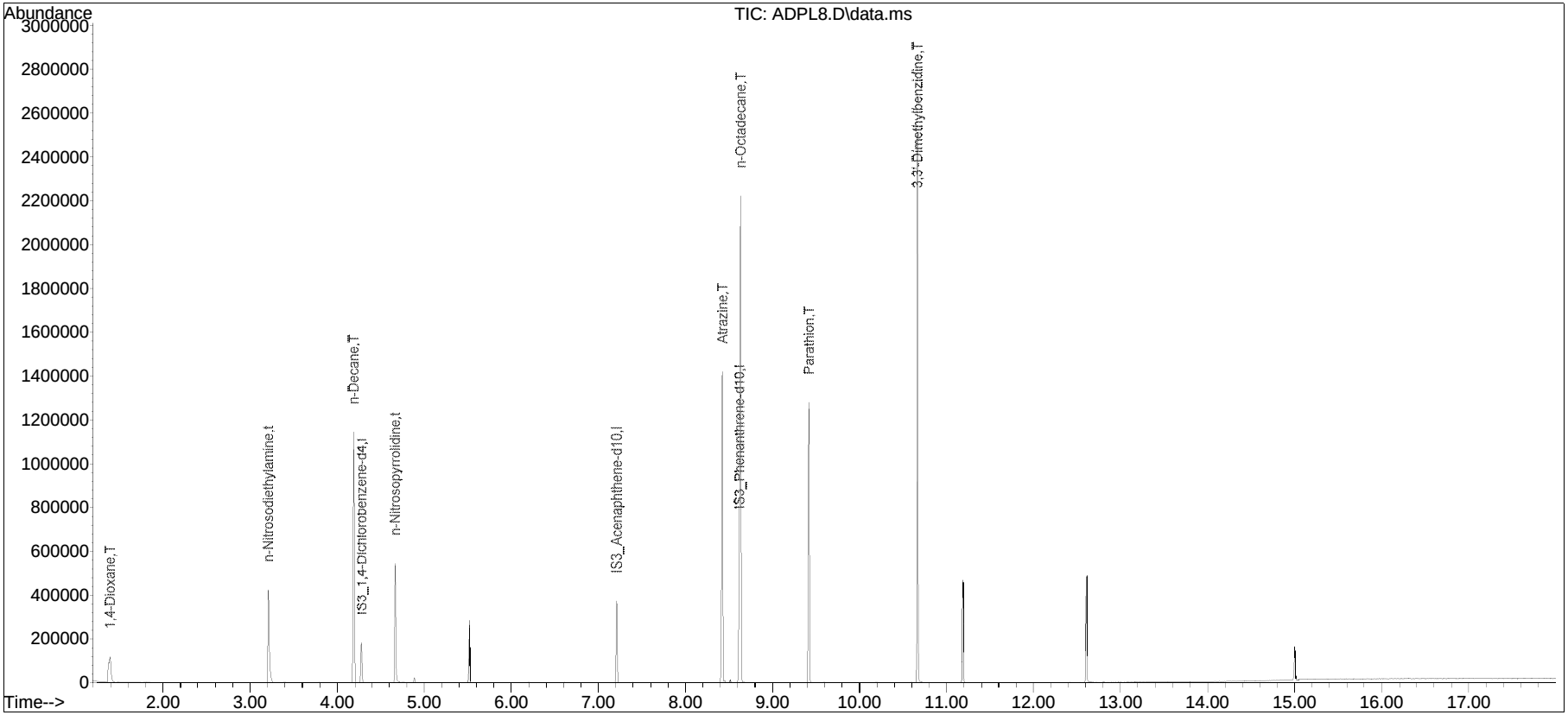
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL8.D
Acq On : 6 Nov 2024 1:33 am
Operator : Dakota:HNY
Sample : IL3,32,,ADPL25 Lot# 11130
Misc : WG1994500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 06 09:32:37 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL8.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 1:33 am	Instrument	: Dakota
Sample	: IL3,32,,ADPL25 Lot# 11130	Quant Date	: 11/6/2024 8:37 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL7.D
Acq On : 6 Nov 2024 1:56 am
Operator : Dakota:HNY
Sample : IL4,32,,ADPL10 Lot# 11131
Misc : WG1994500
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 06 09:32:07 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	28322	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	104.76%		
88) IS3_Acenaphthene-d10	7.210	164	67913	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	112.15%		
102) IS3_Phenanthrene-d10	8.621	188	151398	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	113.09%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.401	88	28296	10.199	ug/ml#	85
34) n-Nitrosodiethylamine	3.213	102	29305	10.687	ug/ml#	59
35) n-Decane	4.186	57	76941	9.603	ug/ml#	29
36) n-Nitrosopyrrolidine	4.665	100	36910	11.048	ug/ml#	74
89) Atrazine	8.422	200	59430	7.823	ug/ml	91
103) n-Octadecane	8.634	57	131320	10.003	ug/ml#	1
104) Parathion	9.420	109	32544	11.033	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.663	212	277721	7.905	ug/ml	99

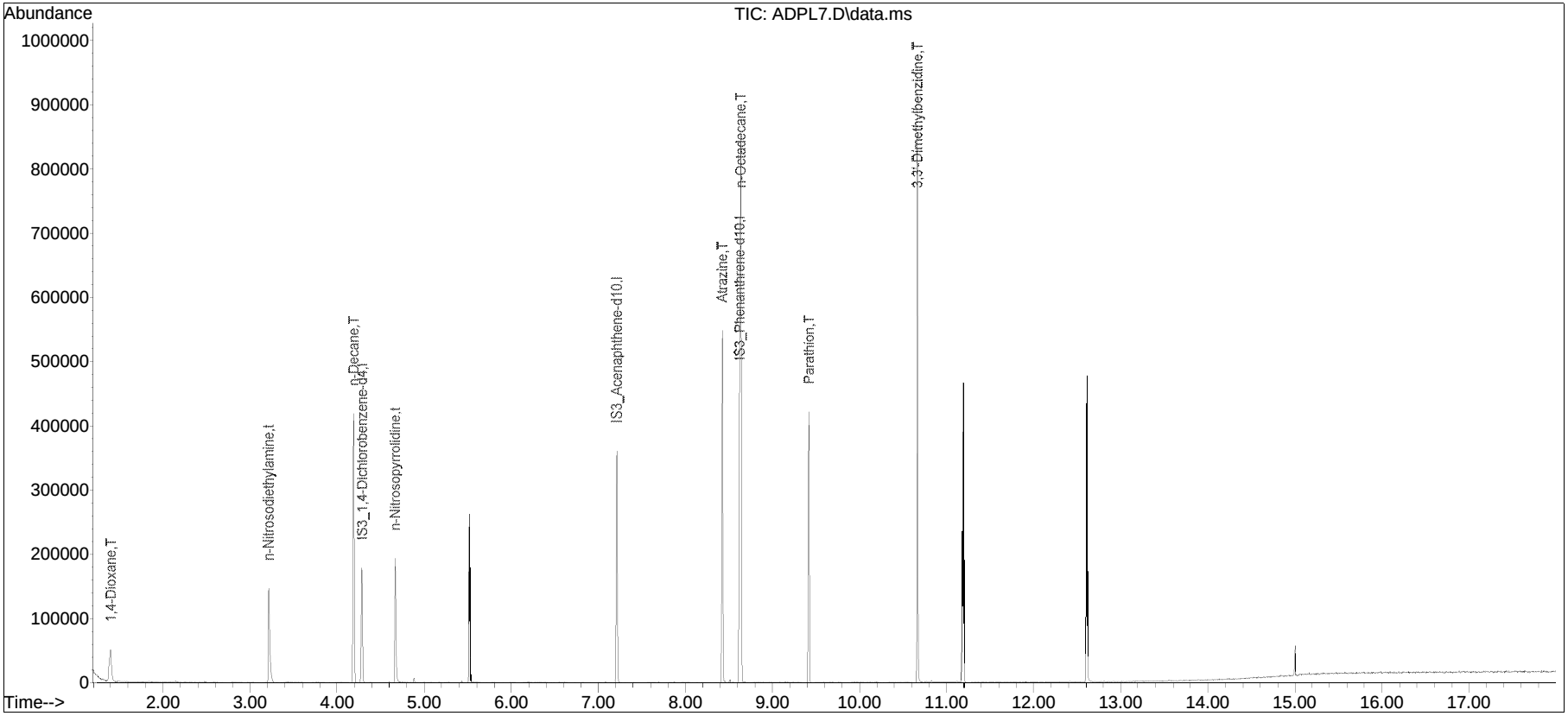
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL7.D
Acq On : 6 Nov 2024 1:56 am
Operator : Dakota:HNY
Sample : IL4,32,,ADPL10 Lot# 11131
Misc : WG1994500
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 06 09:32:07 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL7.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 1:56 am	Instrument	: Dakota
Sample	: IL4,32,,ADPL10 Lot# 11131	Quant Date	: 11/6/2024 8:37 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL6.D
Acq On : 6 Nov 2024 2:20 am
Operator : Dakota:HNY
Sample : IL5,32,,ADPL5 Lot# 11132
Misc : WG1994500
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 06 09:31:35 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	27034	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	100.00%		
88) IS3_Acenaphthene-d10	7.210	164	60553	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	100.00%		
102) IS3_Phenanthrene-d10	8.621	188	133879	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	13637	5.149	ug/ml#	86
34) n-Nitrosodiethylamine	3.216	102	13557	5.180	ug/ml#	56
35) n-Decane	4.186	57	37066	4.846	ug/ml#	31
36) n-Nitrosopyrrolidine	4.665	100	16431	5.152	ug/ml#	69
89) Atrazine	8.422	200	25869	3.819	ug/ml	92
103) n-Octadecane	8.634	57	55610	4.790	ug/ml#	1
104) Parathion	9.417	109	12413	4.759	ug/ml	88
105) 3,3'-Dimethylbenzidine	10.660	212	108634	3.497	ug/ml	99

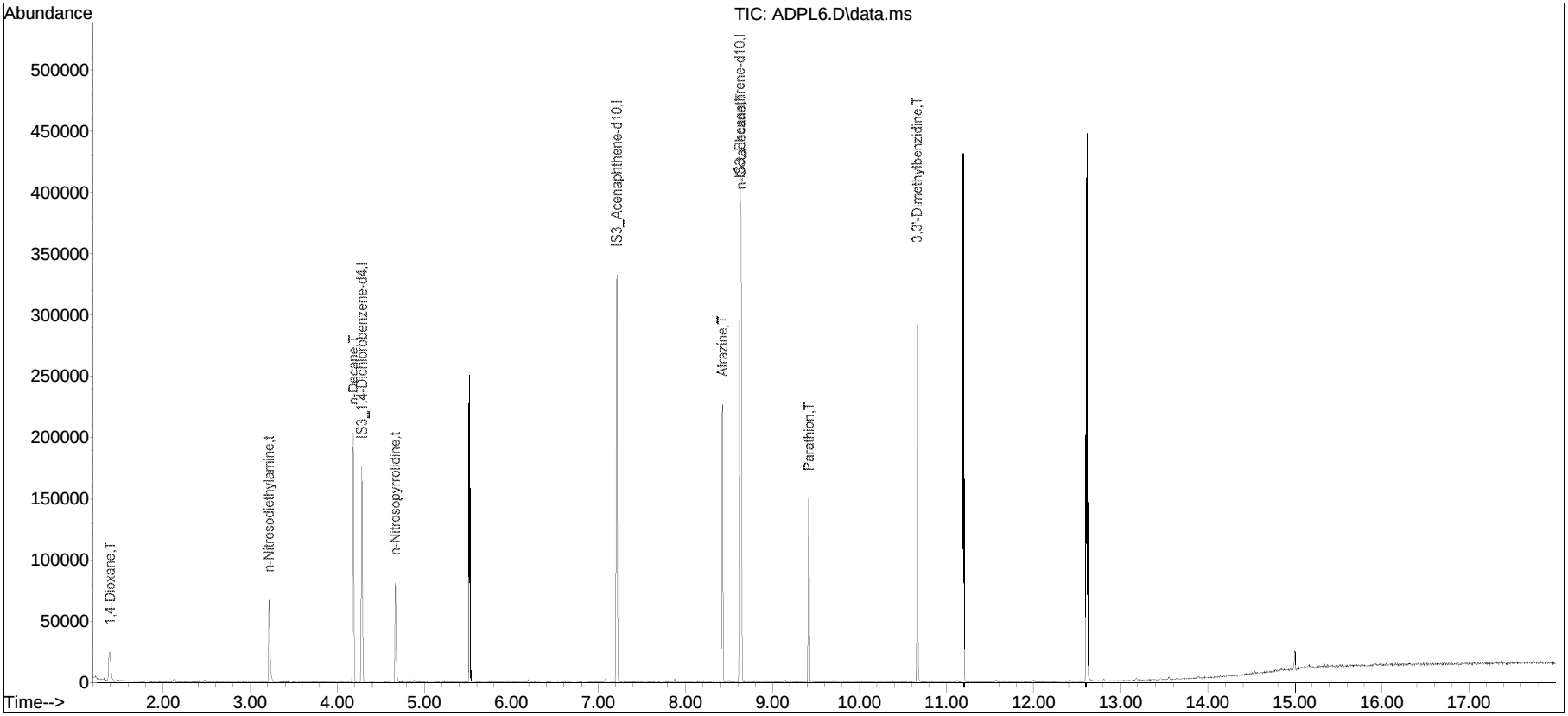
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL6.D
Acq On : 6 Nov 2024 2:20 am
Operator : Dakota:HNY
Sample : IL5,32,,ADPL5 Lot# 11132
Misc : WG1994500
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 06 09:31:35 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL6.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 2:20 am	Instrument	: Dakota
Sample	: IL5,32,,ADPL5 Lot# 11132	Quant Date	: 11/6/2024 8:37 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL5.D
Acq On : 6 Nov 2024 2:43 am
Operator : Dakota:HNY
Sample : IL6,32,,ADPL2.5 Lot# 11133
Misc : WG1994500
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 06 09:30:48 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.283	152	27964	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	103.44%		
88) IS3_Acenaphthene-d10	7.210	164	63394	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	104.69%		
102) IS3_Phenanthrene-d10	8.621	188	139475	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	104.18%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	6846	2.499	ug/ml#	87
34) n-Nitrosodiethylamine	3.223	102	6674	2.465	ug/ml#	60
35) n-Decane	4.186	57	17770	2.246	ug/ml#	29
36) n-Nitrosopyrrolidine	4.668	100	7709	2.337	ug/ml#	70
89) Atrazine	8.419	200	12402	1.749	ug/ml	90
103) n-Octadecane	8.634	57	26941	2.228	ug/ml#	1
104) Parathion	9.417	109	5990	2.204	ug/ml	91
105) 3,3'-Dimethylbenzidine	10.660	212	47257	1.460	ug/ml	99

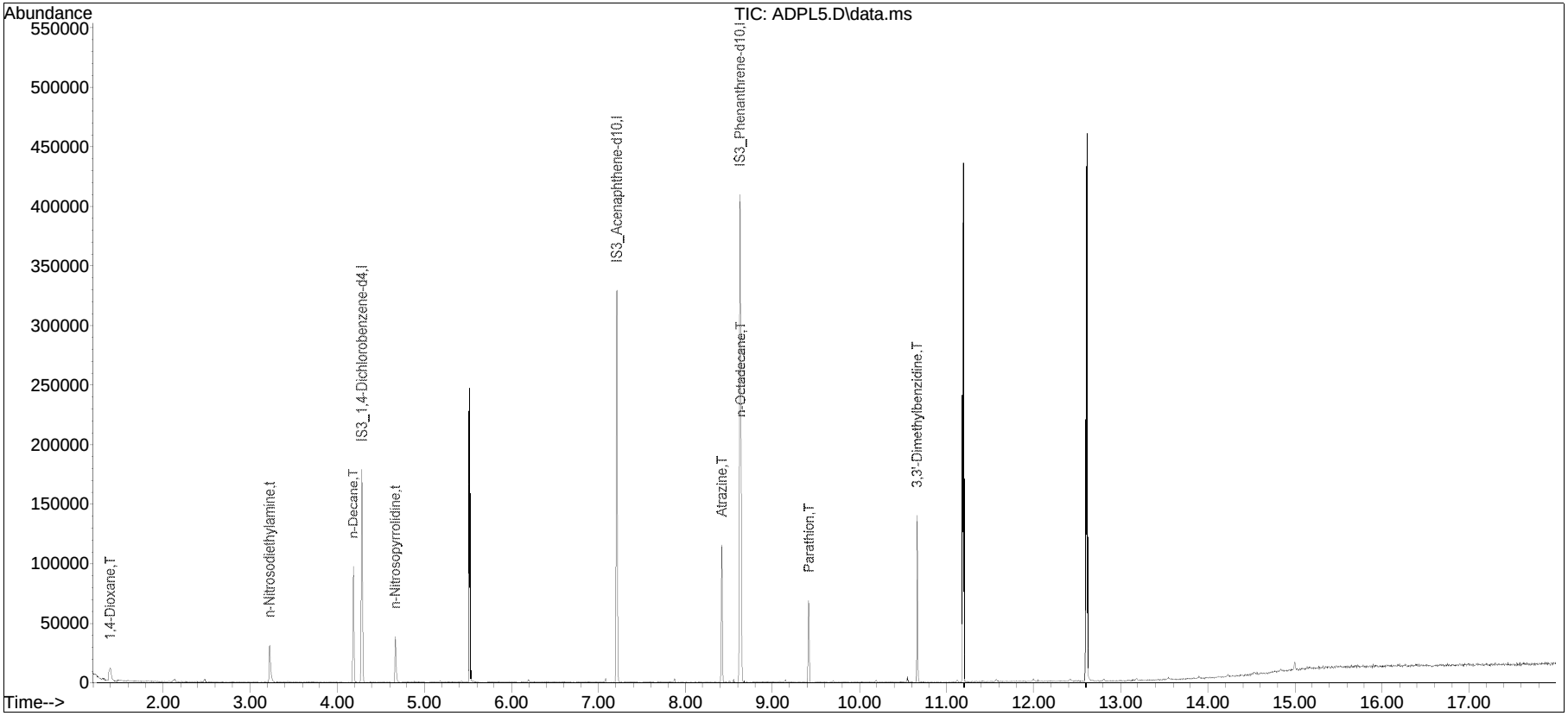
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL5.D
Acq On : 6 Nov 2024 2:43 am
Operator : Dakota:HNY
Sample : IL6,32,,ADPL2.5 Lot# 11133
Misc : WG1994500
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 06 09:30:48 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL5.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 2:43 am	Instrument	: Dakota
Sample	: IL6,32,,ADPL2.5 Lot# 11133	Quant Date	: 11/6/2024 8:36 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL4.D
Acq On : 6 Nov 2024 3:07 am
Operator : Dakota:HNY
Sample : IL7,32,,ADPL1 Lot# 11134
Misc : WG1994500
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 06 09:30:26 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	30288	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	112.04%		
88) IS3_Acenaphthene-d10	7.210	164	68614	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	113.31%		
102) IS3_Phenanthrene-d10	8.621	188	152054	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	113.58%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.398	88	3010M1	1.014	ug/ml	
34) n-Nitrosodiethylamine	3.229	102	2624	0.895	ug/ml#	47
35) n-Decane	4.186	57	7320	0.854	ug/ml#	28
36) n-Nitrosopyrrolidine	4.671	100	3260	0.912	ug/ml#	72
89) Atrazine	8.419	200	4884	0.636	ug/ml	90
103) n-Octadecane	8.634	57	11002	0.834	ug/ml#	1
104) Parathion	9.417	109	2346	0.792	ug/ml#	80
105) 3,3'-Dimethylbenzidine	10.660	212	16174	0.458	ug/ml	97

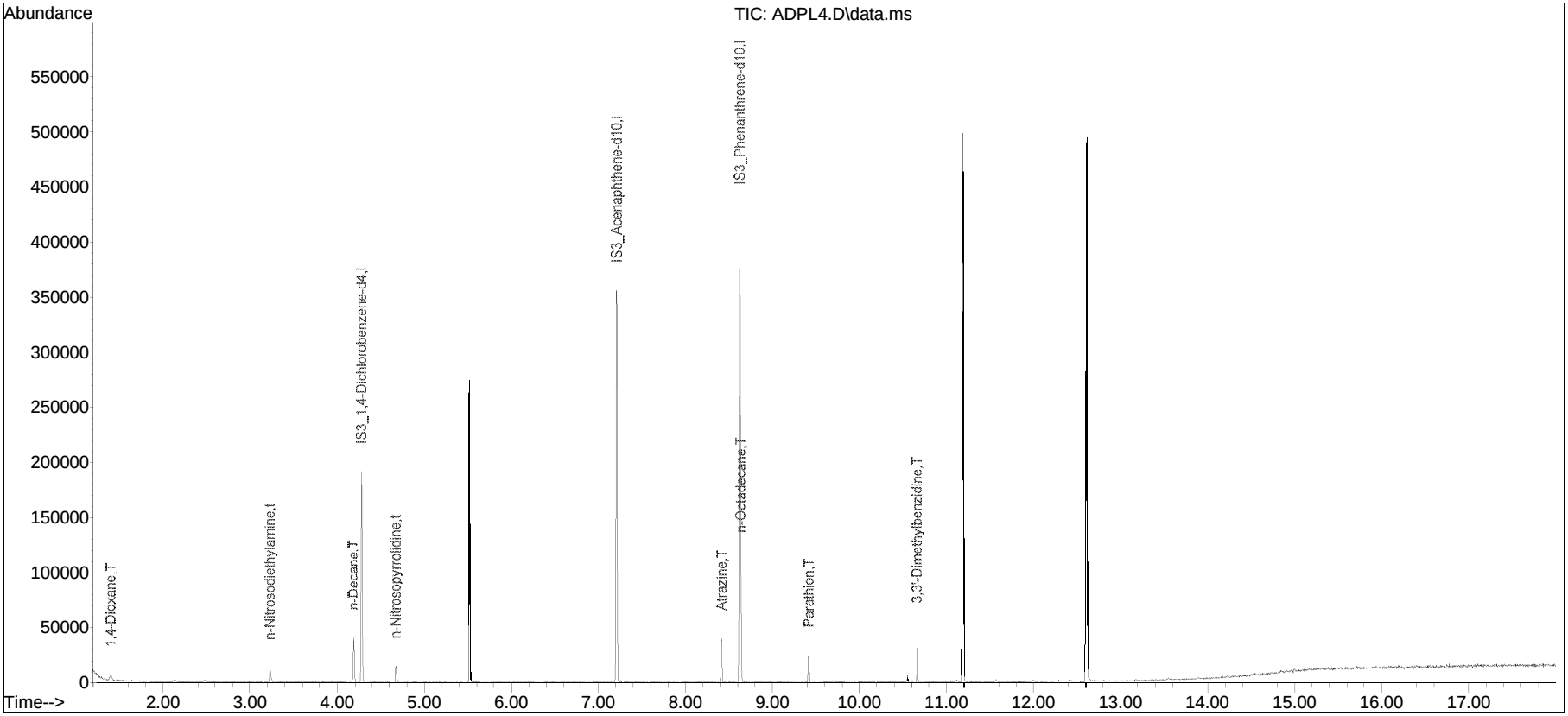
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL4.D
Acq On : 6 Nov 2024 3:07 am
Operator : Dakota:HNY
Sample : IL7,32,,ADPL1 Lot# 11134
Misc : WG1994500
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 06 09:30:26 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

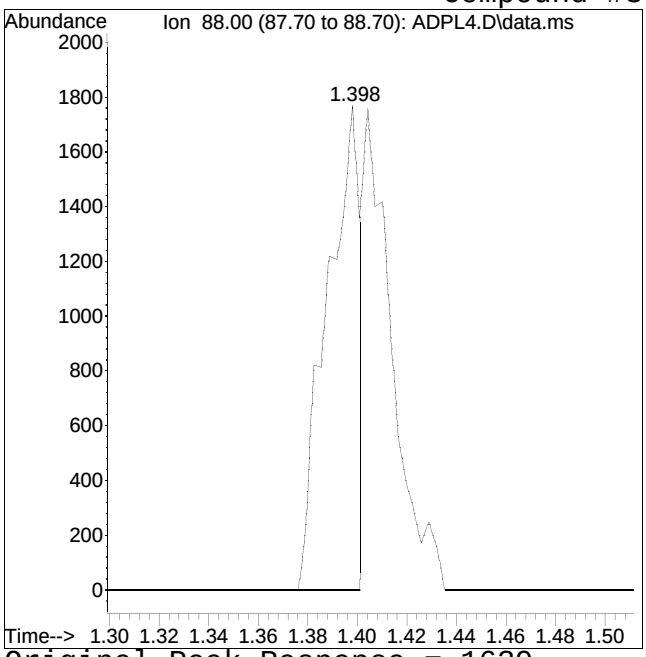
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



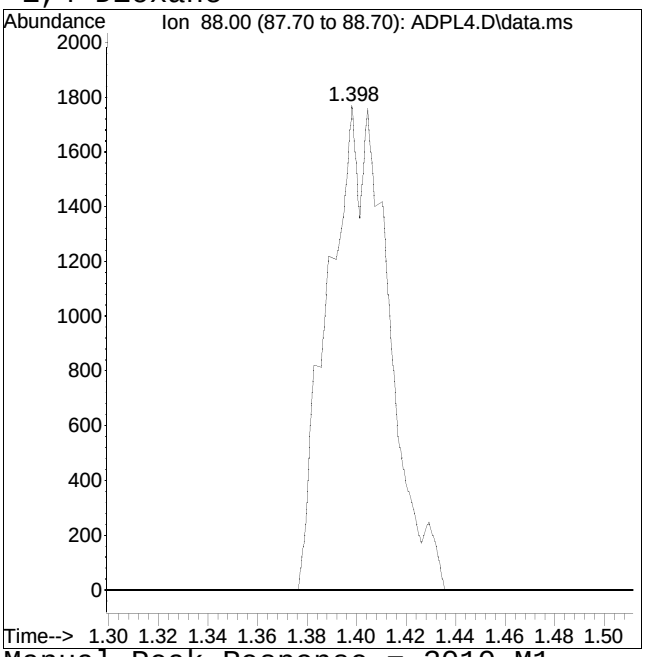
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL4.D
Date Inj'd : 11/6/2024 3:07 am
Sample : IL7,32,,ADPL1 Lot# 11134
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane



Original Peak Response = 1639



Manual Peak Response = 3010 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL3.D
Acq On : 6 Nov 2024 3:30 am
Operator : Dakota:HNY
Sample : IL8,32,,ADPL0.5 Lot# 11135
Misc : WG1994500
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 06 09:29:58 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.283	152	29927	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	110.70%		
88) IS3_Acenaphthene-d10	7.207	164	68245	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	112.70%		
102) IS3_Phenanthrene-d10	8.621	188	156900	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	117.20%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.411	88	1504M1	0.513	ug/ml	
34) n-Nitrosodiethylamine	3.235	102	1392	0.480	ug/ml#	26
35) n-Decane	4.186	57	4118	0.486	ug/ml#	27
36) n-Nitrosopyrrolidine	4.674	100	1725	0.489	ug/ml#	56
89) Atrazine	8.419	200	3137	0.411	ug/ml	91
103) n-Octadecane	8.634	57	6958	0.511	ug/ml#	1
104) Parathion	9.420	109	1494	0.489	ug/ml	91
105) 3,3'-Dimethylbenzidine	10.660	212	8441	0.232	ug/ml	96

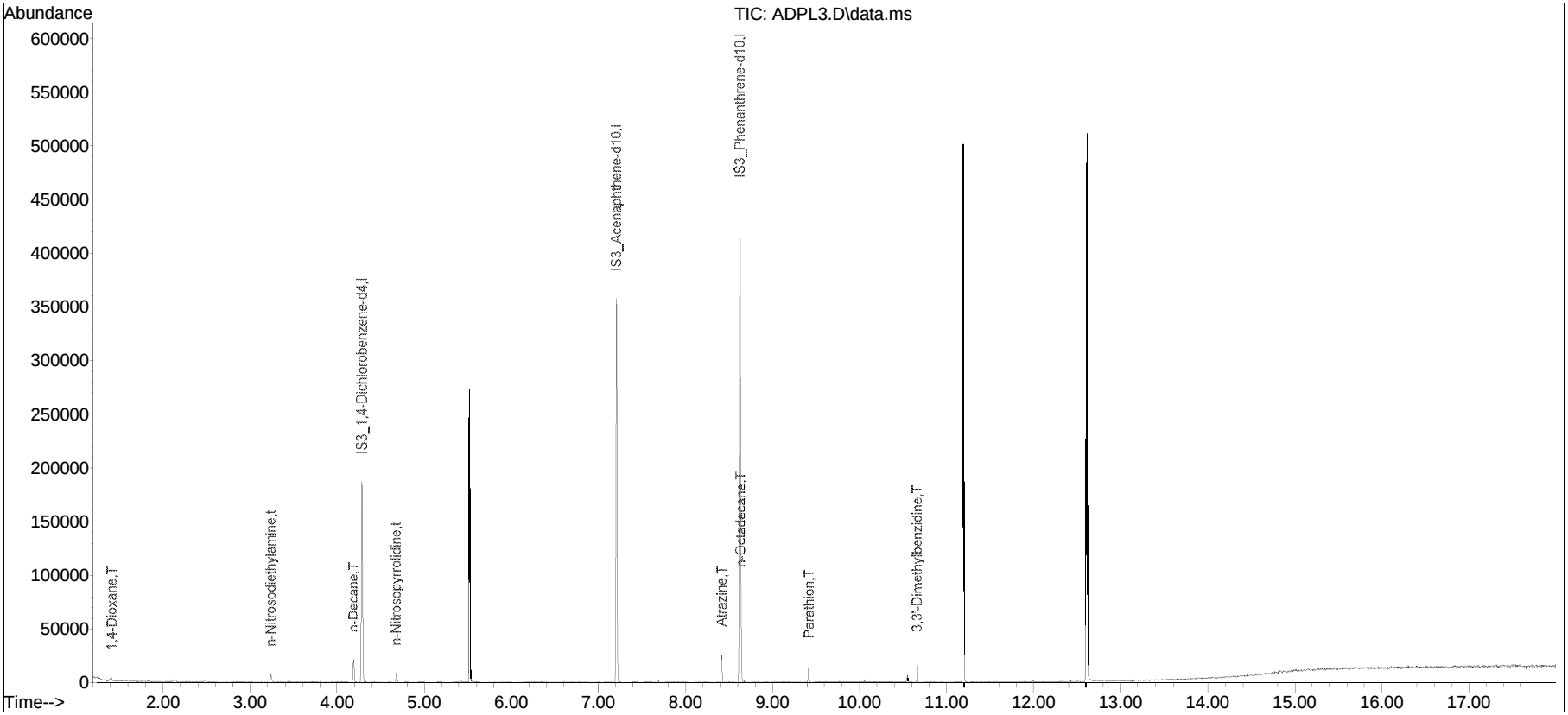
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL3.D
Acq On : 6 Nov 2024 3:30 am
Operator : Dakota:HNY
Sample : IL8,32,,ADPL0.5 Lot# 11135
Misc : WG1994500
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 06 09:29:58 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

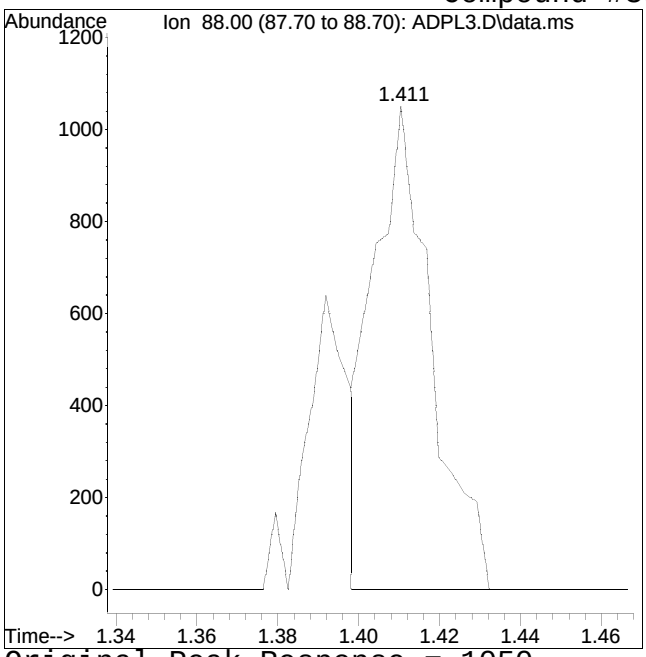
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



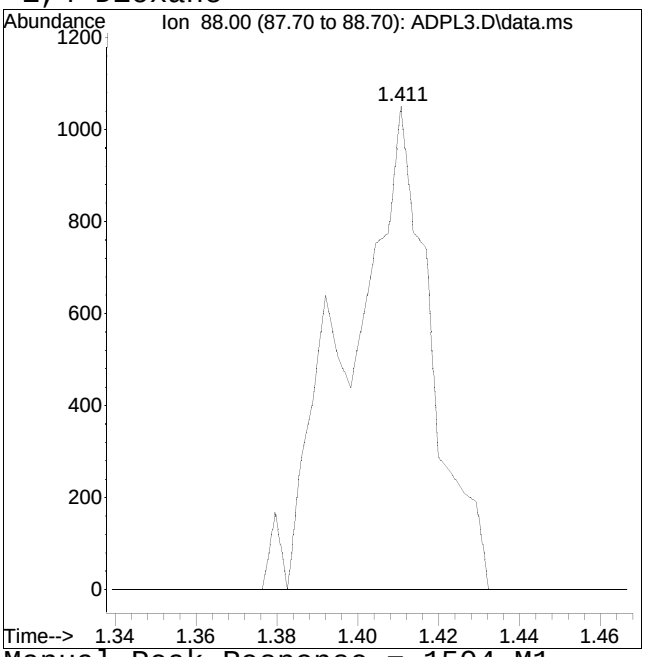
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL3.D
Date Inj'd : 11/6/2024 3:30 am
Sample : IL8,32,,ADPL0.5 Lot# 11135
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane



Original Peak Response = 1050



Manual Peak Response = 1504 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL2.D
Acq On : 6 Nov 2024 3:53 am
Operator : Dakota:HNY
Sample : IL9,32,,ADPL0.2 Lot# 11136
Misc : WG1994500
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 06 09:28:51 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	29865	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	110.47%		
88) IS3_Acenaphthene-d10	7.210	164	67326	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	111.19%		
102) IS3_Phenanthrene-d10	8.621	188	154573	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	115.46%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.411	88	377M2	0.129	ug/ml	
34) n-Nitrosodiethylamine	3.244	102	521	0.180	ug/ml#	29
35) n-Decane	4.186	57	1604	0.190	ug/ml#	29
36) n-Nitrosopyrrolidine	4.680	100	607	0.172	ug/ml#	44
89) Atrazine	8.416	200	1084	0.144	ug/ml#	33
103) n-Octadecane	8.634	57	2734	0.204	ug/ml#	1
104) Parathion	9.420	109	542	0.180	ug/ml#	79
105) 3,3'-Dimethylbenzidine	10.657	212	909	0.025	ug/ml#	62

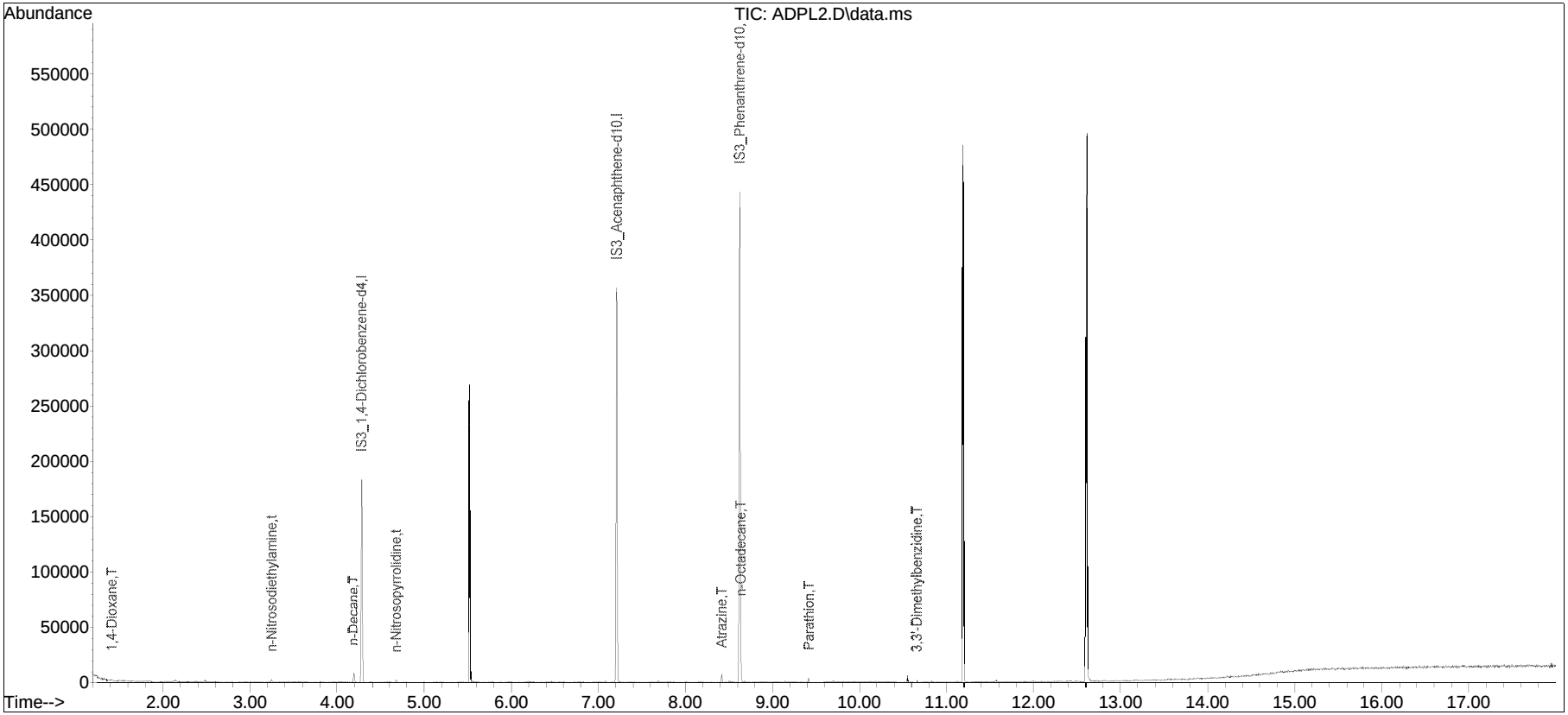
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL2.D
Acq On : 6 Nov 2024 3:53 am
Operator : Dakota:HNY
Sample : IL9,32,,ADPL0.2 Lot# 11136
Misc : WG1994500
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 06 09:28:51 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

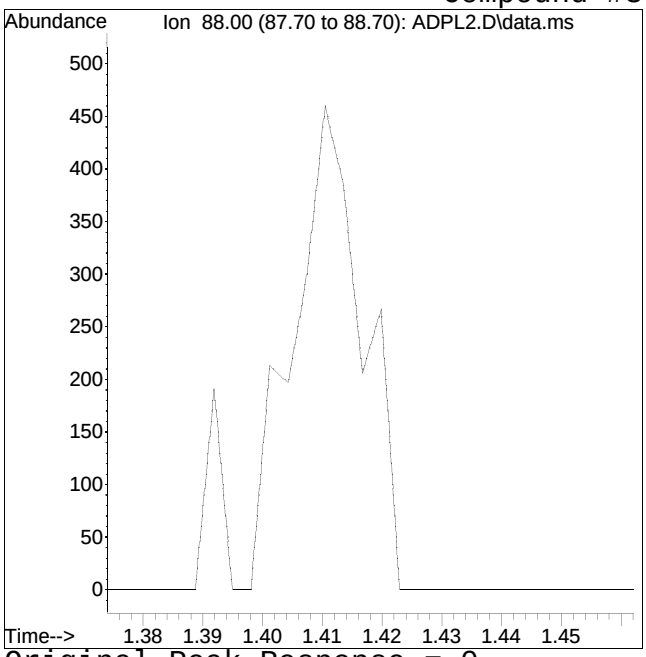
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



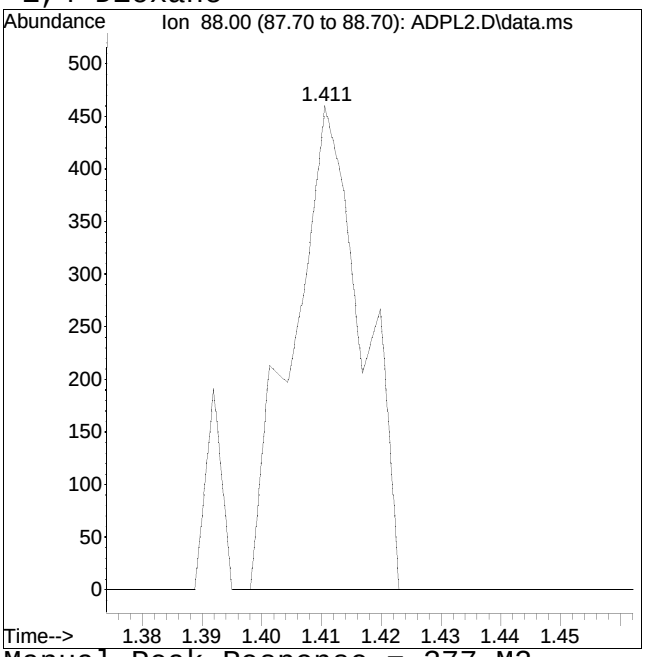
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL2.D
Date Inj'd : 11/6/2024 3:53 am
Sample : IL9,32,,ADPL0.2 Lot# 11136
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0



Manual Peak Response = 377 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL1.D
Acq On : 6 Nov 2024 4:17 am
Operator : Dakota:HNY
Sample : IL10,32,,ADPL0.1 Lot# 11137
Misc : WG1994500
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 06 09:28:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.283	152	27472	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	101.62%		
88) IS3_Acenaphthene-d10	7.210	164	60699	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	100.24%		
102) IS3_Phenanthrene-d10	8.621	188	137822	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	102.95%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.401	88	71M2	0.026	ug/ml	
34) n-Nitrosodiethylamine	3.244	102	122M2	0.046	ug/ml	
35) n-Decane	4.183	57	569	0.073	ug/ml#	42
36) n-Nitrosopyrrolidine	4.683	100	197M2	0.061	ug/ml	
89) Atrazine	8.416	200	466M2	0.069	ug/ml	
103) n-Octadecane	8.634	57	961	0.080	ug/ml#	1
104) Parathion	9.417	109	181M2	0.067	ug/ml	
105) 3,3'-Dimethylbenzidine	10.663	212	69M4	0.002	ug/ml	

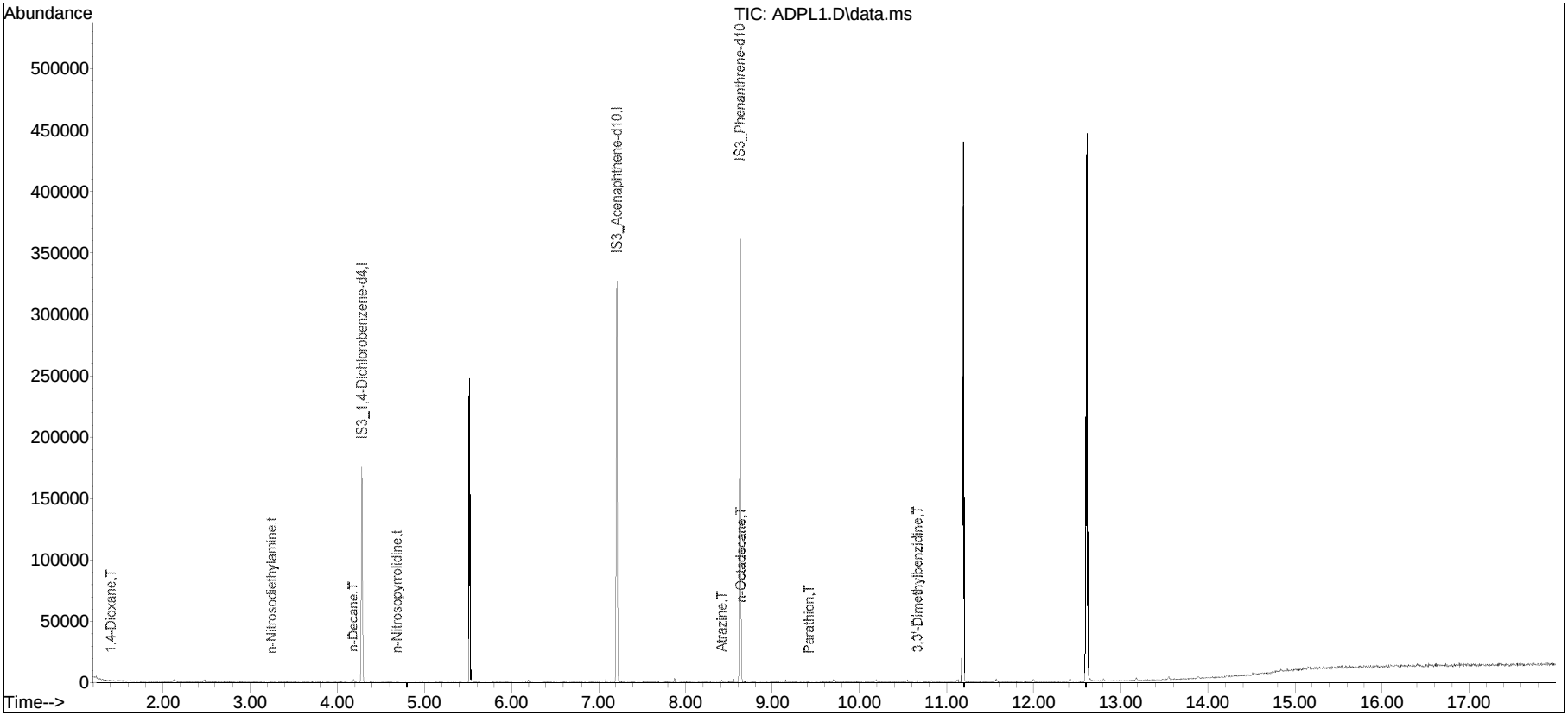
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL1.D
Acq On : 6 Nov 2024 4:17 am
Operator : Dakota:HNY
Sample : IL10,32,,ADPL0.1 Lot# 11137
Misc : WG1994500
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 06 09:28:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

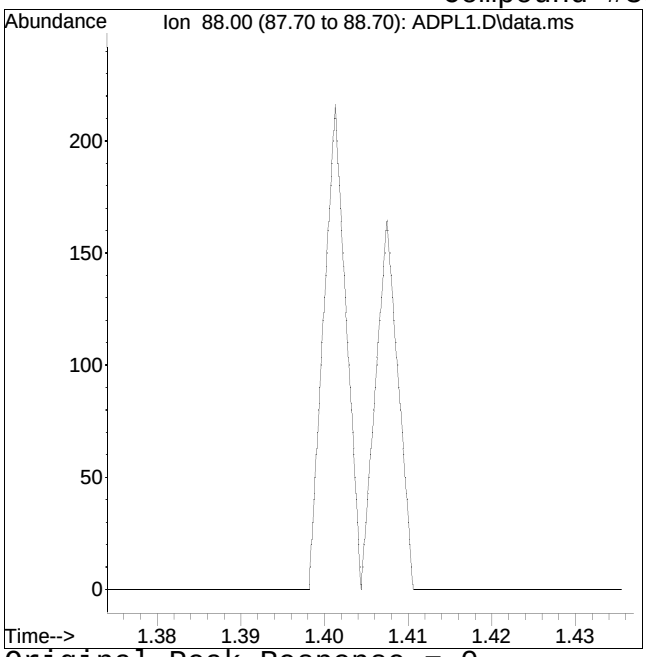
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



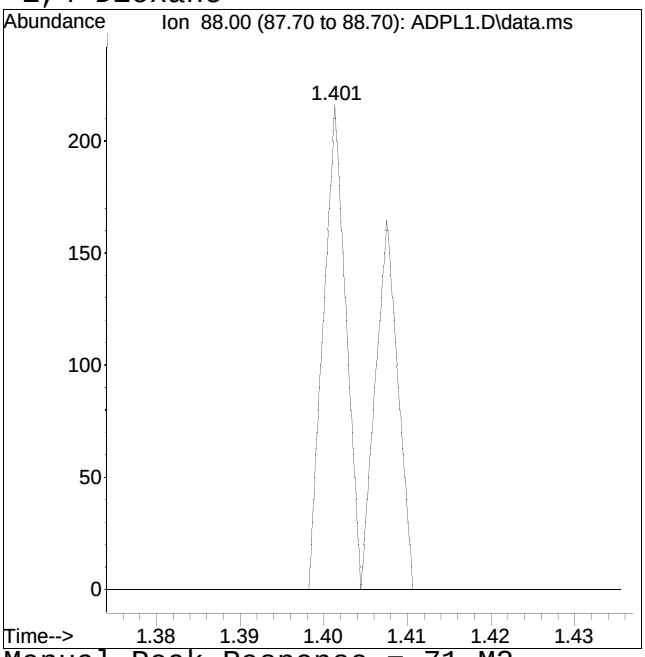
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ADPL1.D Operator : Dakota:HNY
Date Inj'd : 11/6/2024 4:17 am Instrument : Dakota
Sample : IL10,32,,ADPL0.1 Lot# 1113Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0



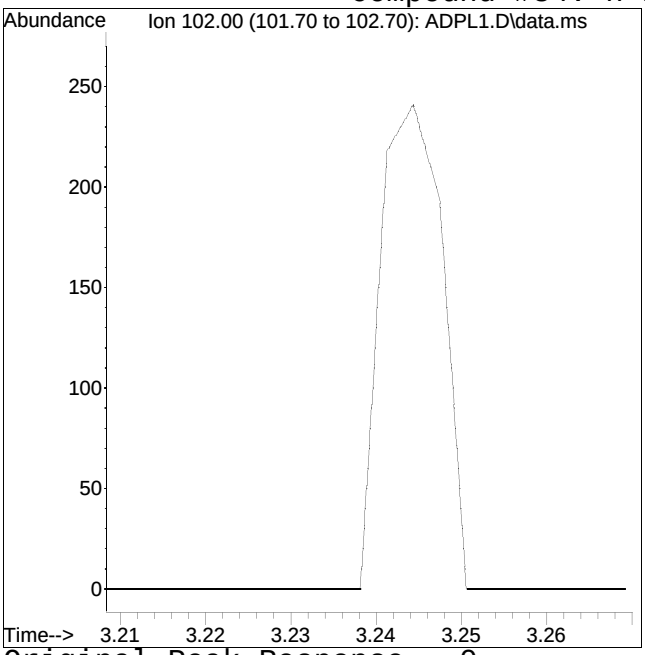
Manual Peak Response = 71 M2

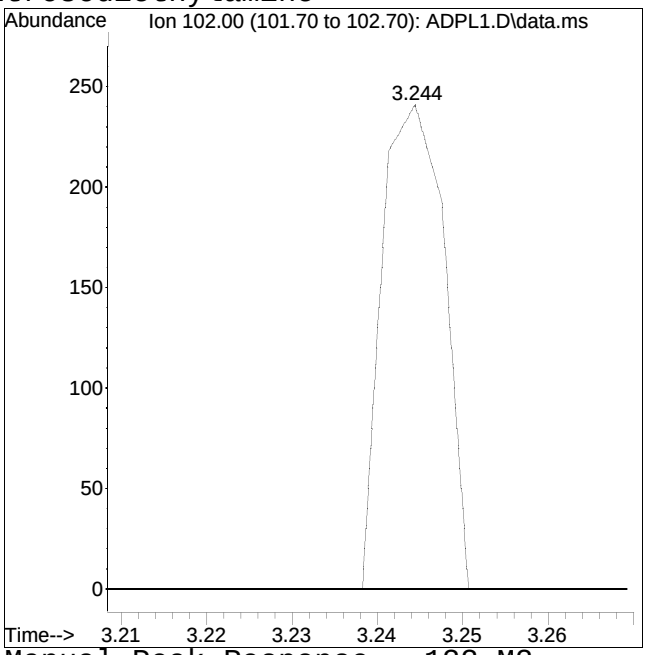
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #34: n-Nitrosodiethylamine



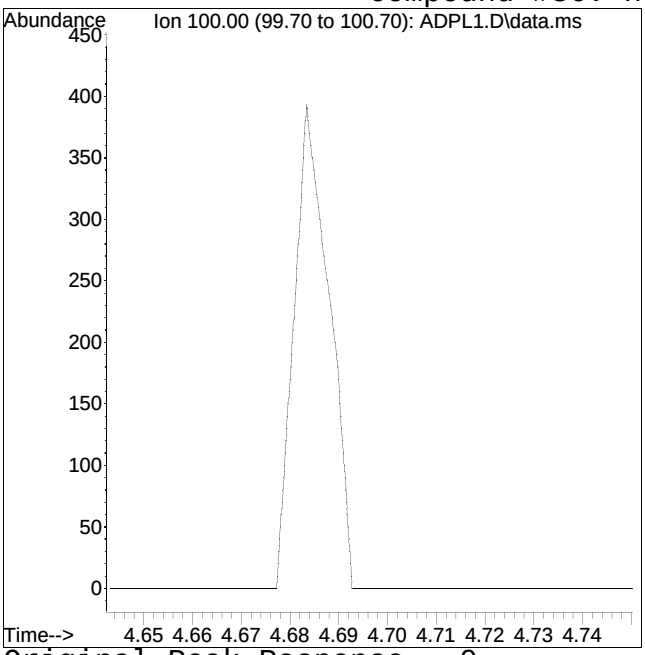


Original Peak Response = 0
Manual Peak Response = 122 M2
M2 = Peak not found by automatic integration algorithm.

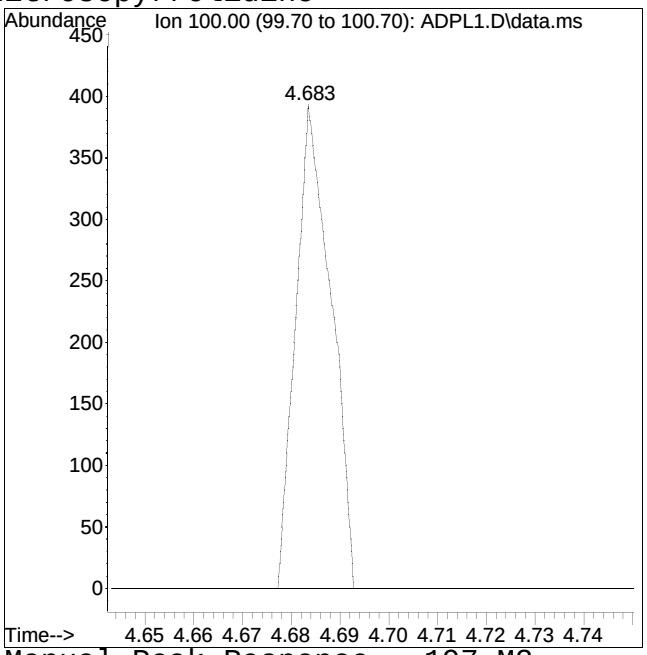
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #36: n-Nitrosopyrrolidine



Original Peak Response = 0



Manual Peak Response = 197 M2

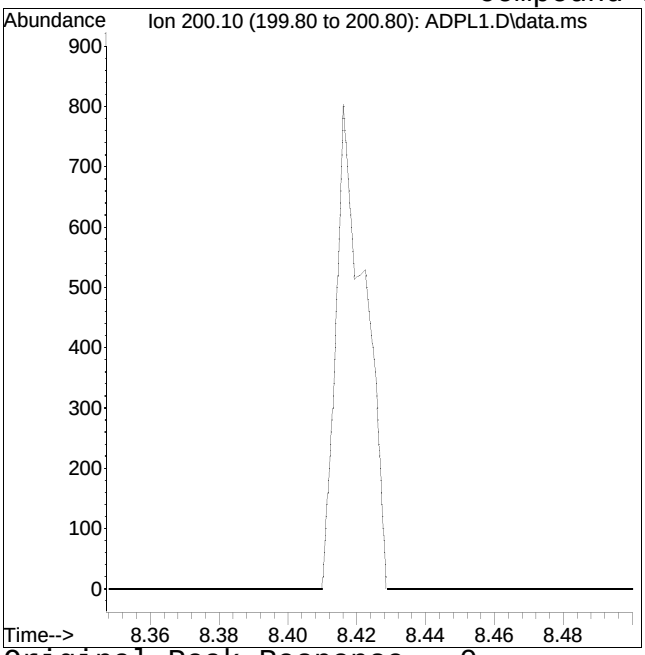
M2 = Peak not found by automatic integration algorithm.

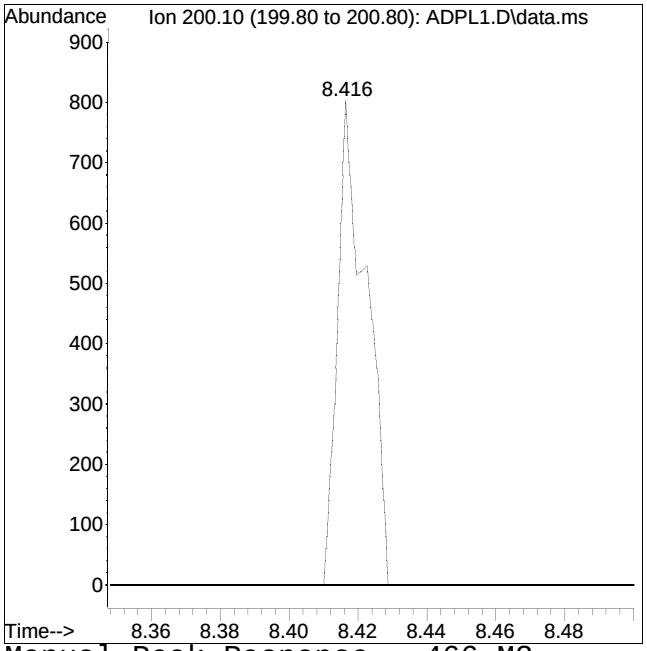
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #89: Atrazine





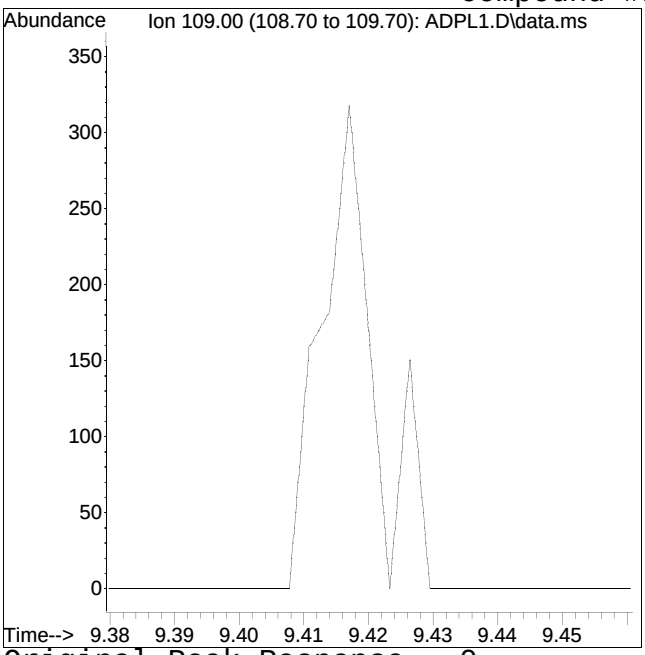
Original Peak Response = 0
Manual Peak Response = 466 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

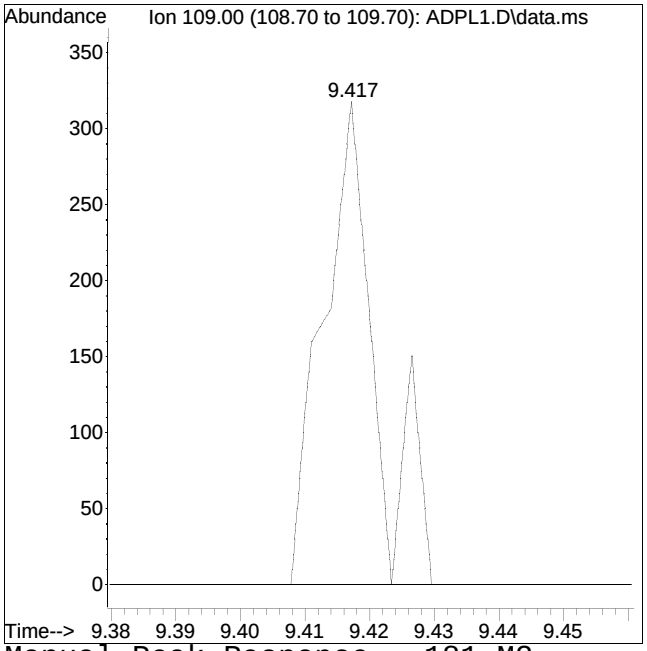
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #104: Parathion



Original Peak Response = 0



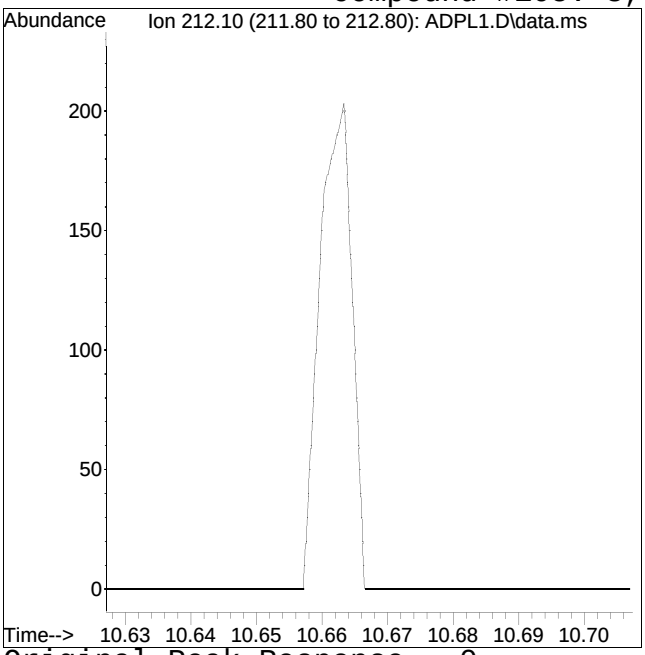
Manual Peak Response = 181 M2

M2 = Peak not found by automatic integration algorithm.

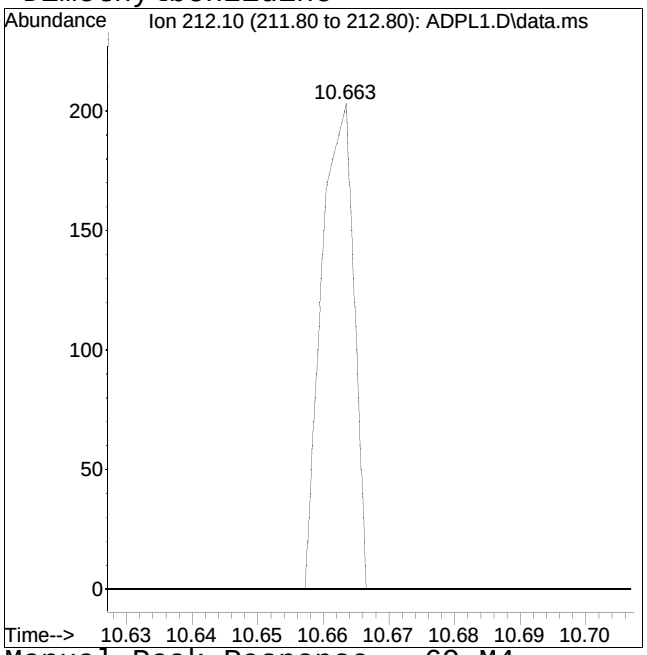
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #105: 3,3'-Dimethylbenzidine



Original Peak Response = 0



Manual Peak Response = 69 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPICV.D
Acq On : 6 Nov 2024 4:40 am
Operator : Dakota:HNY
Sample : CQICV,32,,ADPICV Lot# 11140
Misc : WG1994500
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 11 15:34:09 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	103	0.00
33	T	1,4-Dioxane		0.381	0.408	-7.1	104	0.00
34	t	n-Nitrosodiethylamine		0.390	0.412	-5.6	105	0.00
35	T	n-Decane		1.048	1.132	-8.0	106	0.00
36	t	n-Nitrosopyrrolidine		0.458	0.502	-9.6	106	0.00
88	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	106	0.00
89	T	Atrazine		0.343	0.346	-0.9	107	0.00
102	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	106	0.00
103	T	n-Octadecane		0.334	0.358	-7.2	114	0.00
104	T	Parathion	*	5.000	4.893	2.1	116	0.00
105	T	3,3'-Dimethylbenzidine	*	5.000	4.511	9.8	106	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPICV.D
Acq On : 6 Nov 2024 4:40 am
Operator : Dakota:HNY
Sample : CQICV,32,,ADPICV Lot# 11140
Misc : WG1994500
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 11 15:34:09 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	27725	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	102.56%		
88) IS3_Acenaphthene-d10	7.210	164	64160	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	105.96%		
102) IS3_Phenanthrene-d10	8.621	188	141409	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	105.62%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	14130	5.352	ug/ml#	86
34) n-Nitrosodiethylamine	3.216	102	14269	5.275	ug/ml#	56
35) n-Decane	4.186	57	39218	5.397	ug/ml#	30
36) n-Nitrosopyrrolidine	4.665	100	17407	5.486	ug/ml#	70
89) Atrazine	8.422	200	27737	5.040	ug/ml	93
103) n-Octadecane	8.634	57	63318	5.367	ug/ml#	1
104) Parathion	9.420	109	14391	4.893	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.660	212	115367	4.511	ug/ml	99

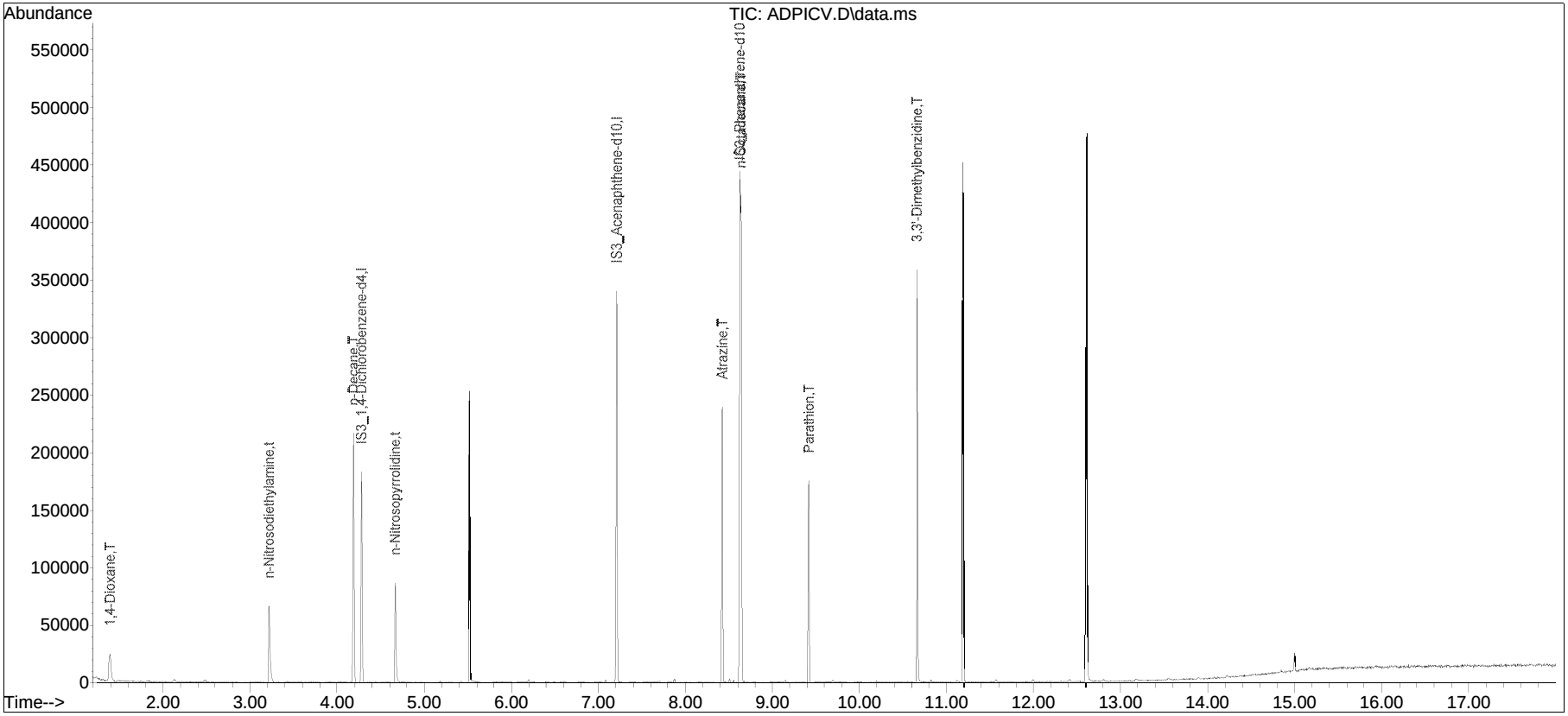
(#) = qualifier out of range (m) = manual integration (+) = signals summed

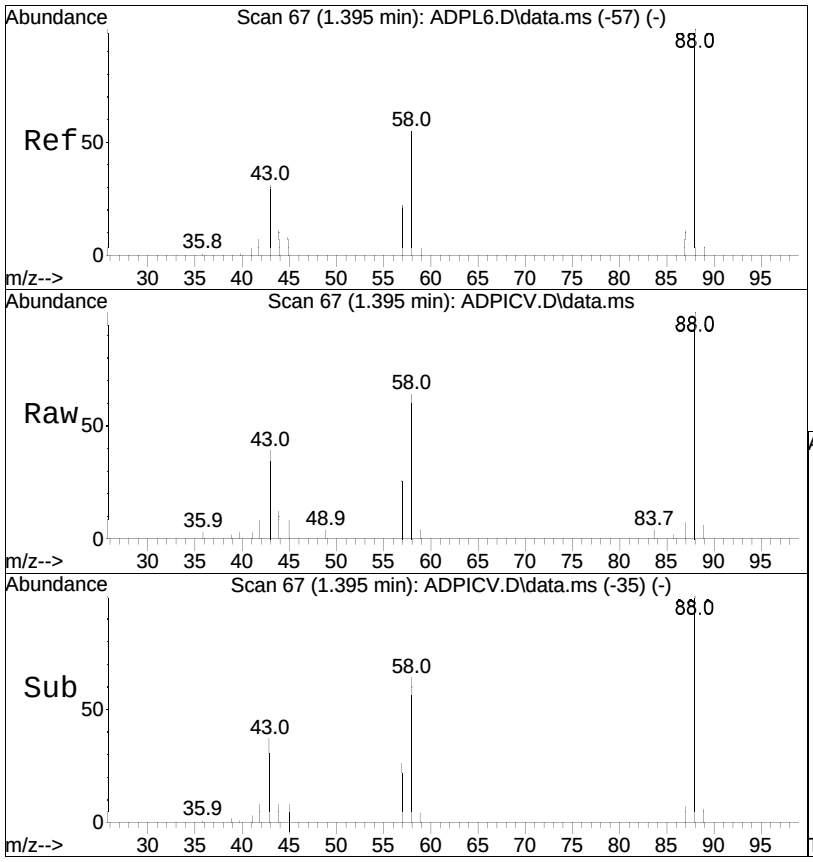
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPICV.D
Acq On : 6 Nov 2024 4:40 am
Operator : Dakota:HNY
Sample : CQICV,32,,ADPICV Lot# 11140
Misc : WG1994500
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 11 15:34:09 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•

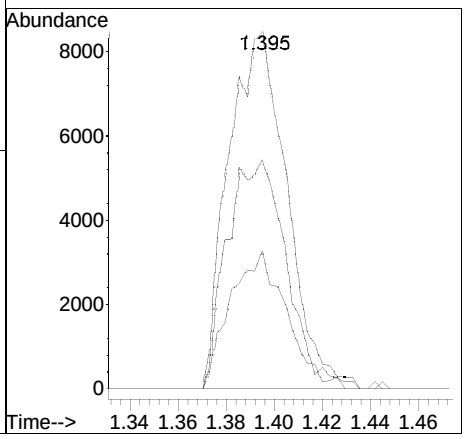


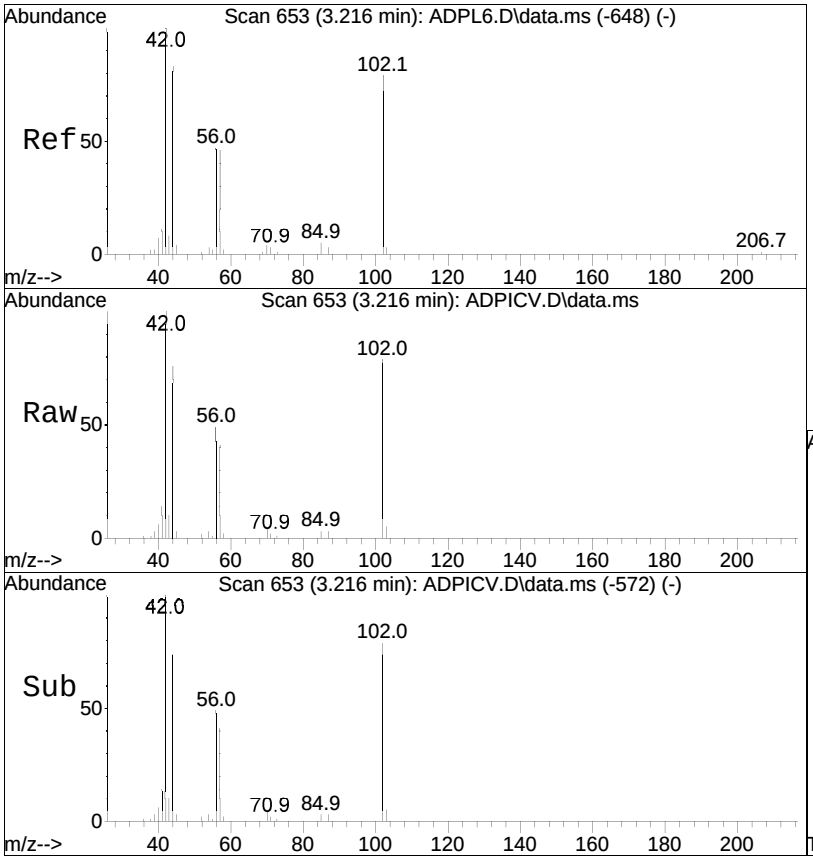


#33
1,4-Dioxane
Concen: 5.35 ug/ml
RT: 1.395 min Scan# 67
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion: 88 Resp: 14130

Ion	Ratio	Lower	Upper
88	100		
58	65.4	44.8	67.2
43	37.2	22.4	33.6#

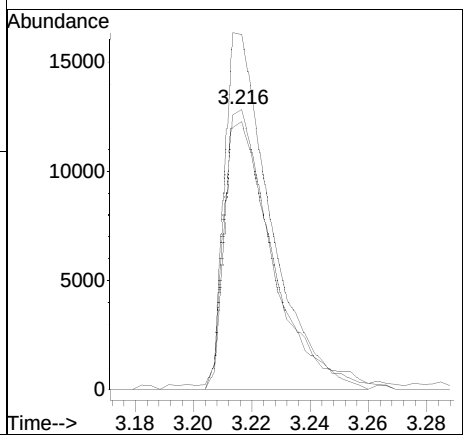


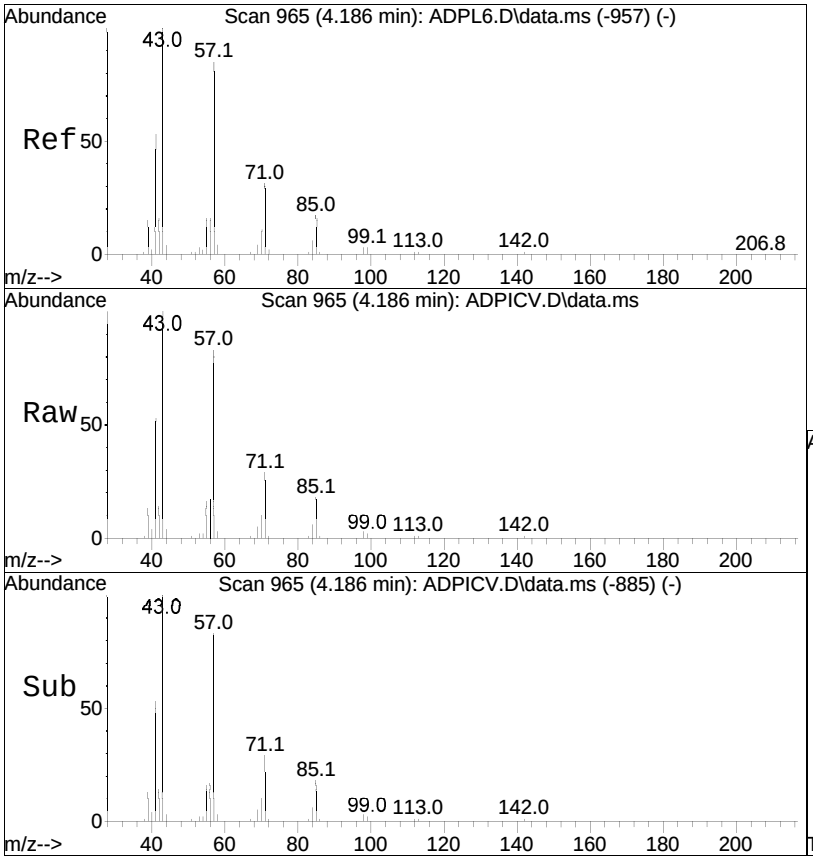


#34
n-Nitrosodiethylamine
Concen: 5.27 ug/ml
RT: 3.216 min Scan# 653
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:102 Resp: 14269

Ion	Ratio	Lower	Upper
102	100		
42	127.1	67.6	101.4#
44	104.7	57.4	86.0#

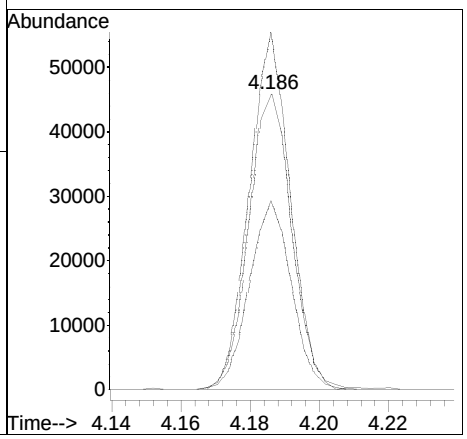


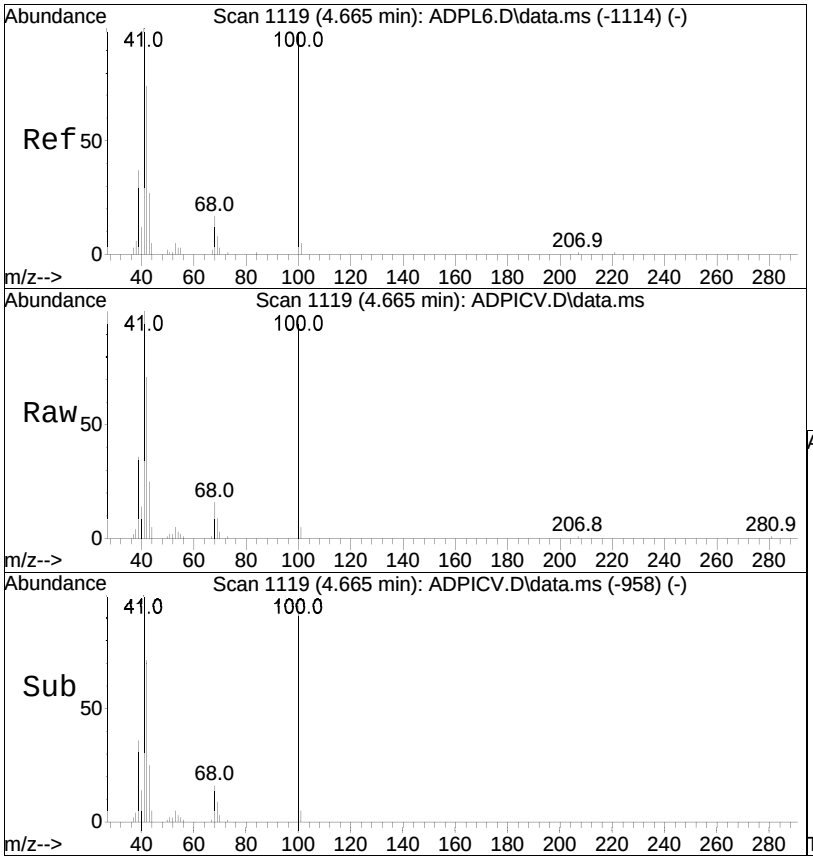


#35
n-Decane
Concen: 5.40 ug/ml
RT: 4.186 min Scan# 965
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion: 57 Resp: 39218

Ion	Ratio	Lower	Upper
57	100		
43	116.0	0.2	0.2#
41	62.8	0.2	0.2#

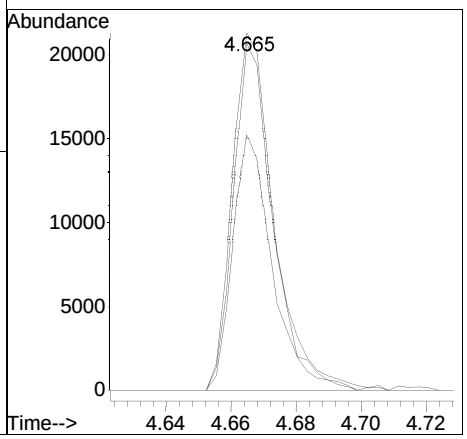


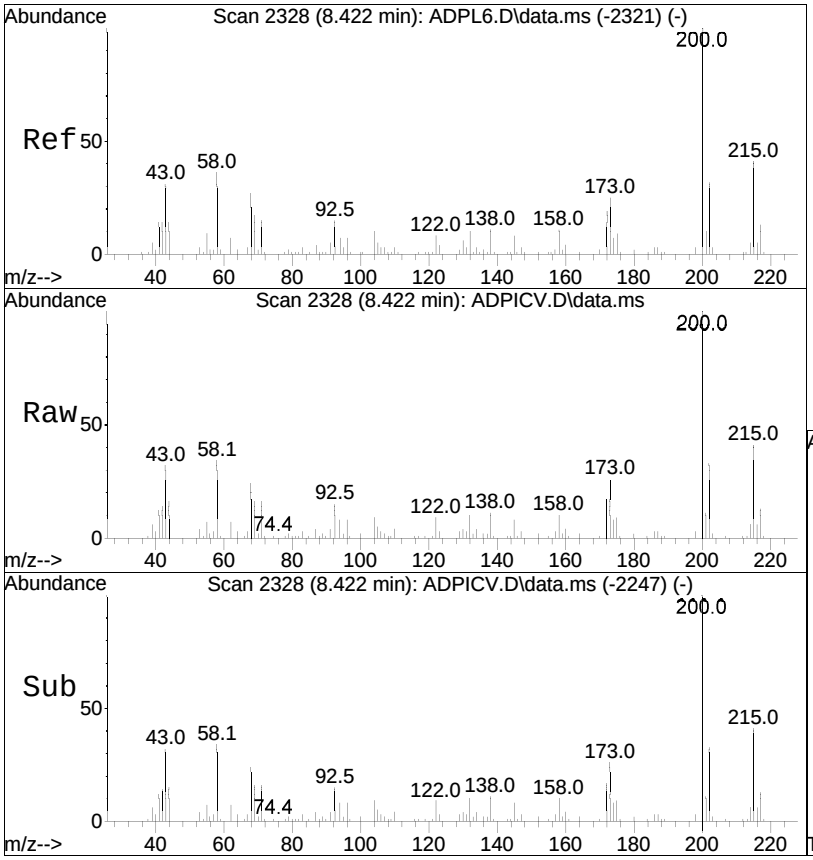


#36
n-Nitrosopyrrolidine
Concen: 5.49 ug/ml
RT: 4.665 min Scan# 1119
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:100 Resp: 17407

Ion	Ratio	Lower	Upper
100	100		
41	110.0	63.0	94.4#
42	74.0	46.6	70.0#

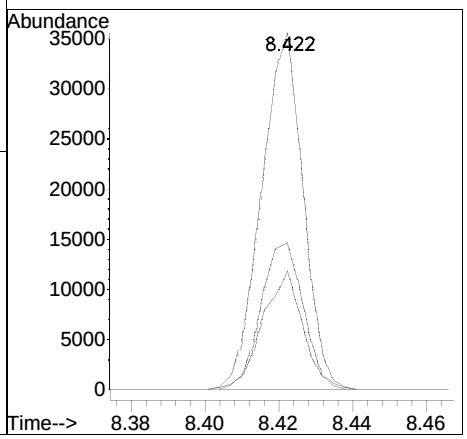


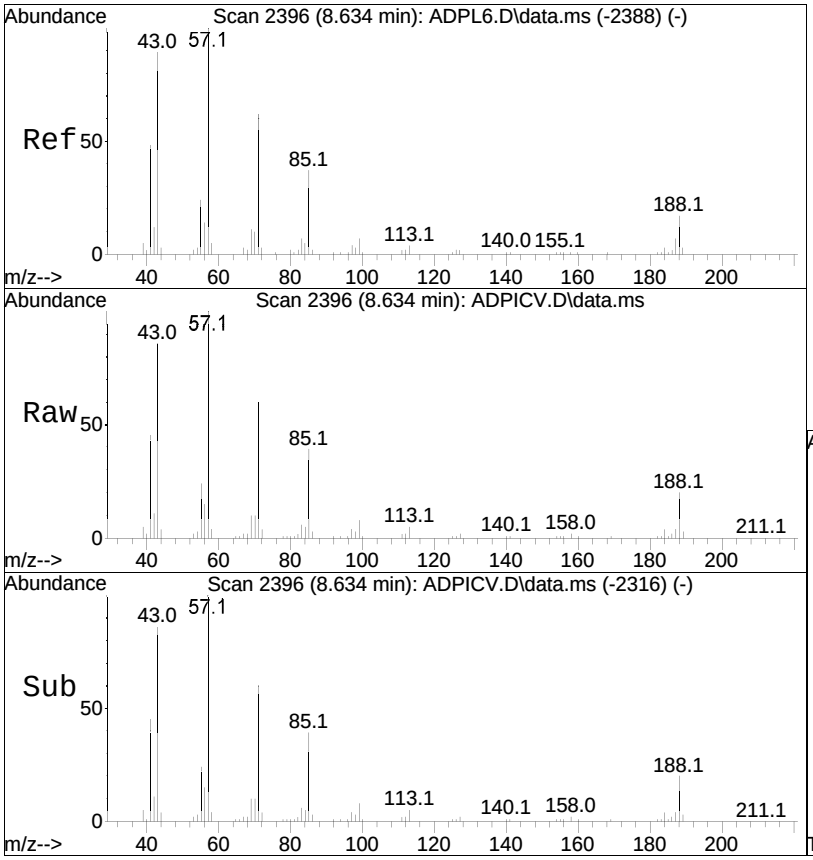


#89
Atrazine
Concen: 5.04 ug/ml
RT: 8.422 min Scan# 2328
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:200 Resp: 27737

Ion	Ratio	Lower	Upper
200	100		
202	32.0	25.8	38.6
215	42.1	40.2	60.4

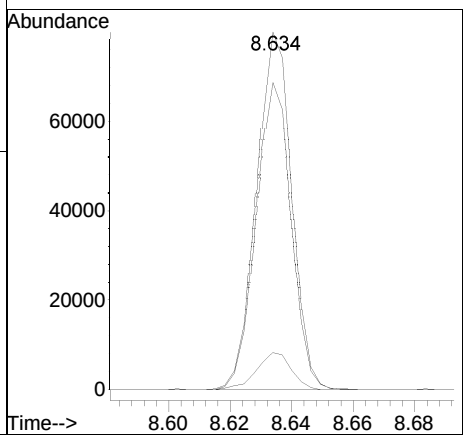


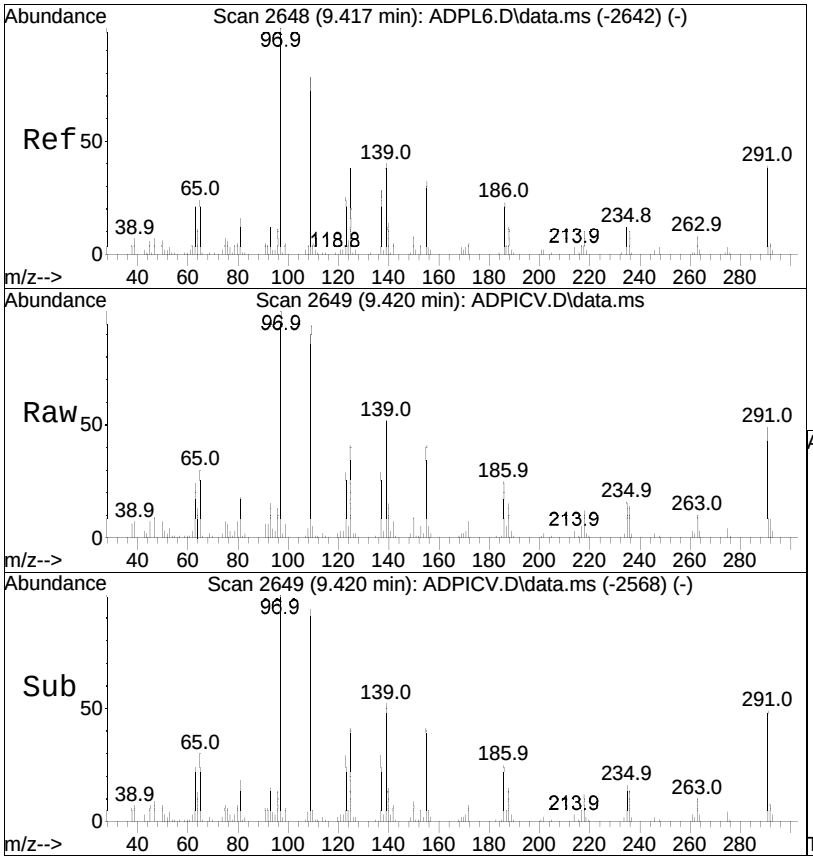


#103
n-Octadecane
Concen: 5.37 ug/ml
RT: 8.634 min Scan# 2396
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion: 57 Resp: 63318

Ion	Ratio	Lower	Upper
57	100		
43	85.6	9.0	13.6#
70	10.2	0.2	0.2#

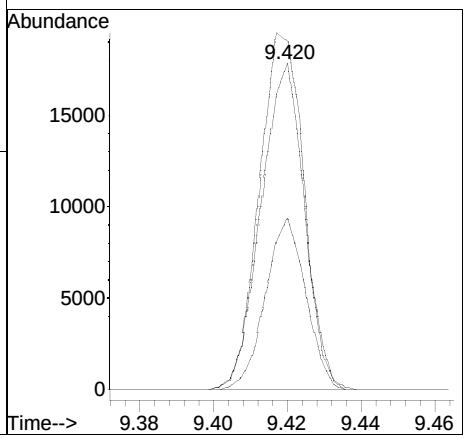


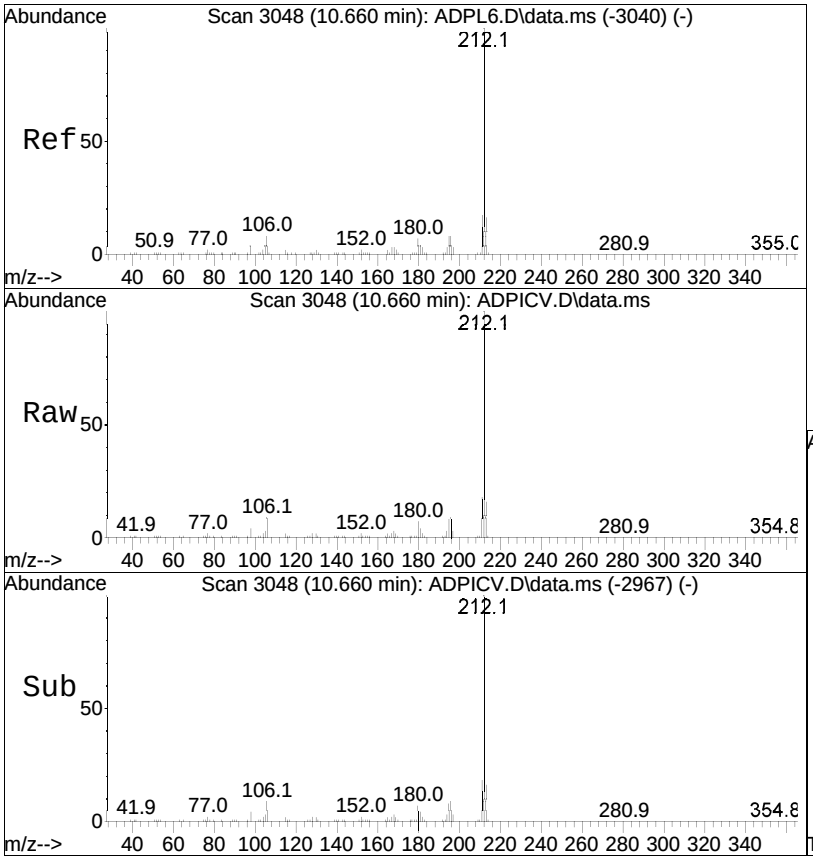


#104
Parathion
Concen: 4.89 ug/ml
RT: 9.420 min Scan# 2649
Delta R.T. 0.003 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:109 Resp: 14391

Ion	Ratio	Lower	Upper
109	100		
97	113.2	87.4	131.2
291	49.4	34.2	51.2

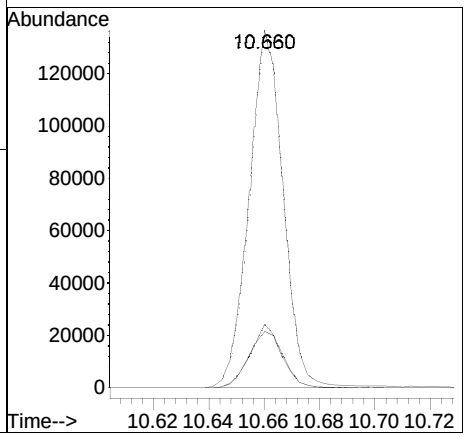




#105
3,3'-Dimethylbenzidine
Concen: 4.51 ug/ml
RT: 10.660 min Scan# 3048
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:212 Resp: 115367

Ion	Ratio	Lower	Upper
212	100		
211	16.9	12.9	19.3
213	16.1	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPICV.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 4:40 am	Instrument	: Dakota
Sample	: CQICV,32,,ADPICV Lot# 1114	Quant Date	: 11/11/2024 3:35 pm

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

Evaluate Relative Error Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
68	T 2,4-Dinitrophenol	L	ug/ml	5.0	4.560	-8.8	1.00	1.235	23.5
104	T Parathion	Q	ug/ml	5.0	4.487	-10.3	0.50	0.639	27.8
105	T 3,3'-Dimethylbenzidine	L	ug/ml	5.0	4.491	-10.2	1.00	1.229	22.9

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
68	T 2,4-Dinitrophenol	Linear	0.995883	0.000000	0.219967	-0.0353966
104	T Parathion	Quadratic	0.997840	0.002726	0.0829685	-0.00379272
105	T 3,3'-Dimethylbenzidine	Linear	0.997212	0.000000	0.864599	-0.15929

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059		
Instrument ID	: SV112	Calibration Date	: 11/20/24 23:19		
Lab File ID	: ABN1120N	Init. Calib. Date(s)	: 06/25/24	06/26/24	
Sample No	: WG1999664-3	Init. Calib. Times	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	83	0
n-Nitrosodimethylamine	0.657	0.732	-	-11.4	20	85	0
Pyridine	1.043	1.101	-	-5.6	20	77	0
2-Fluorophenol	1.05	1.083	-	-3.1	20	85	0
Aniline	1.811	1.69	-	6.7	20	80	0
2-Chlorophenol	1.251	1.191	-	4.8	20	81	0
Phenol-d6	1.357	1.331	-	1.9	20	81	0
Phenol	1.577	1.562	-	1	20	83	0
Bis(2-chloroethyl)ether	1.167	1.121	-	3.9	20	83	0
1,3-Dichlorobenzene	1.508	1.389	-	7.9	20	78	0
1,4-Dichlorobenzene	1.575	1.4	-	11.1	20	79	0
1,2-Dichlorobenzene	1.475	1.314	-	10.9	20	77	0
Benzyl alcohol	0.945	0.945	-	0	20	83	0
Bis(2-chloroisopropyl)ethe	1.475	1.932	-	-31*	20	113	0
2-Methylphenol	1.056	1.034	-	2.1	20	82	0
Hexachloroethane	0.558	0.539	-	3.4	20	83	0
n-Nitrosodi-n-propylamine	0.865	0.809	-	6.5	20	80	0
3-Methylphenol/4-Methylphe	1.15	1.088	-	5.4	20	78	0
Nitrobenzene-d5	1.294	1.214	-	6.2	20	79	0
Nitrobenzene	1.289	1.221	-	5.3	20	79	0
Isophorone	2.328	2.213	-	4.9	20	81	0
2-Nitrophenol	0.574	0.616	-	-7.3	20	89	0
2,4-Dimethylphenol	1.101	0.914	-	17	20	76	0
Bis(2-chloroethoxy)methane	1.567	1.406	-	10.3	20	80	0
2,4-Dichlorophenol	1.153	1.052	-	8.8	20	78	0
1,2,4-Trichlorobenzene	1.46	1.231	-	15.7	20	77	0
IS1_Naphthalene-d8	1	1	-	0	20	79	0
Naphthalene	1.049	0.971	-	7.4	20	77	0
Benzoic Acid	5	5.479	-	-9.6	20	100	0
4-Chloroaniline	0.118	0.124	-	-5.1	20	83	0
Hexachlorobutadiene	0.246	0.247	-	-0.4	20	86	0
p-Chloro-m-cresol	0.277	0.276	-	0.4	20	80	0
2-Methylnaphthalene	0.713	0.645	-	9.5	20	78	0
1-Methylnaphthalene	0.245	0.212	-	13.5	20	77	0
Hexachlorocyclopentadiene	0.251	0.28	-	-11.6	20	97	0
2,4,6-Trichlorophenol	0.256	0.251	-	2	20	79	0
2,4,5-Trichlorophenol	0.262	0.261	-	0.4	20	79	0
2-Fluorobiphenyl	0.904	0.801	-	11.4	20	77	0
2-Chloronaphthalene	0.759	0.665	-	12.4	20	75	0
2-Nitroaniline	0.2	0.207	-	-3.5	20	85	0
1,4-Dinitrobenzene	0.098	0.109	-	-11.2	20	91	0
1,3-Dinitrobenzene	0.114	0.118	-	-3.5	20	84	0
Dimethyl phthalate	0.923	0.804	-	12.9	20	76	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059		
Instrument ID	: SV112	Calibration Date	: 11/20/24 23:19		
Lab File ID	: ABN1120N	Init. Calib. Date(s)	: 06/25/24	06/26/24	
Sample No	: WG1999664-3	Init. Calib. Times	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.12	1.041	-	7.1	20	77	0
2,6-Dinitrotoluene	0.173	0.169	-	2.3	20	82	0
1,2-Dinitrobenzene	0.076	0.077	-	-1.3	20	86	0
IS1_Acenaphthene-d10	1	1	-	0	20	79	0
3-Nitroaniline	0.299	0.316	-	-5.7	20	81	0
Acenaphthene	1.115	1.032	-	7.4	20	79	0
2,4-Dinitrophenol	5	5.607	-	-12.1	20	99	0
Dibenzofuran	1.837	1.627	-	11.4	20	75	0
2,4-Dinitrotoluene	0.383	0.394	-	-2.9	20	80	0
4-Nitrophenol	0.29	0.247	-	14.8	20	69	0
2,3,5,6-Tetrachlorophenol	0.377	0.431	-	-14.3	20	88	0
2,3,4,6-Tetrachlorophenol	0.37	0.388	-	-4.9	20	84	0
Diethyl phthalate	1.487	1.303	-	12.4	20	77	0
Fluorene	1.431	1.295	-	9.5	20	77	0
4-Chlorophenyl phenyl ethe	0.78	0.658	-	15.6	20	76	0
4-Nitroaniline	0.314	0.324	-	-3.2	20	77	0
4,6-Dinitro-o-cresol	5	5.425	-	-8.5	20	104	0
NDPA/DPA	1.231	1.093	-	11.2	20	75	0
Azobenzene	1.305	1.189	-	8.9	20	75	0
2,4,6-Tribromophenol	0.257	0.229	-	10.9	20	77	0
4-Bromophenyl phenyl ether	0.5	0.42	-	16	20	76	0
Hexachlorobenzene	0.628	0.485	-	22.8*	20	73	0
Pentachlorophenol	0.322	0.341	-	-5.9	20	90	0
IS1_Phenanthrene-d10	1	1	-	0	20	81	0
Phenanthrene	1.058	0.948	-	10.4	20	76	0
Anthracene	1.035	0.945	-	8.7	20	76	0
Carbazole	0.948	0.877	-	7.5	20	75	0
Di-n-butylphthalate	1.034	1.024	-	1	20	84	0
Fluoranthene	1.228	1.156	-	5.9	20	79	0
Benzidine	0.675	0.666	-	1.3	20	77	0
Pyrene	1.301	1.238	-	4.8	20	77	0
4-Terphenyl-d14	1.029	0.897	-	12.8	20	75	0
Butyl benzyl phthalate	0.458	0.458	-	0	20	88	0
IS1_Chrysene-d12	1	1	-	0	20	75	0
Benzo(a)anthracene	1.284	1.272	-	0.9	20	77	0
3,3'-Dichlorobenzidine	0.468	0.486	-	-3.8	20	79	0
Chrysene	1.259	1.175	-	6.7	20	74	0
Bis(2-ethylhexyl)phthalate	0.639	0.698	-	-9.2	20	86	0
Di-n-octylphthalate	0.979	1.173	-	-19.8	20	89	0
Benzo(b)fluoranthene	1.317	1.361	-	-3.3	20	79	0
Benzo(k)fluoranthene	1.202	1.156	-	3.8	20	68	0
Benzo(a)pyrene	1.149	1.235	-	-7.5	20	79	0
IS1_Perylene-d12	1	1	-	0	20	75	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059		
Instrument ID	: SV112	**Calibration Date**	: 11/20/24 23:19		
Lab File ID	: ABN1120N	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1999664-3	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.118	1.214	-	-8.6	20	80	0
Dibenzo(a,h)anthracene	1.068	1.094	-	-2.4	20	76	0
Benzo(ghi)perylene	1.078	1.049	-	2.7	20	74	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059		
Instrument ID	: SV112	**Calibration Date**	: 11/20/24 23:42		
Lab File ID	: AP91120N	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1999664-4	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	96	0
Benzaldehyde	1.094	0.986	-	9.9	20	88	0
Acetophenone	1.903	1.696	-	10.9	20	82	0
m-Toluidine	1.828	1.617	-	11.5	20	81	0
2-Chloroaniline	1.742	1.527	-	12.3	20	82	0
IS2_Naphthalene-d8	1	1	-	0	20	86	0
a-Terpineol	0.277	0.31	-	-11.9	20	95	0
3-Chloroaniline	0.15	0.151	-	-0.7	20	87	0
2,6-Dichlorophenol	0.326	0.315	-	3.4	20	81	0
1-chloro-2-nitrobenzene	0.143	0.137	-	4.2	20	81	0
Caprolactam	5	5.222	-	-4.4	20	97	0
1,2,4,5-Tetrachlorobenzene	0.479	0.407	-	15	20	74	0
Biphenyl	1.026	0.807	-	21.3*	20	68	0
IS2_Acenaphthene-d10	1	1	-	0	20	75	0
Dichloran	5	4.636	-	7.3	20	81	0
Pentachloronitrobenzene	0.235	0.221	-	6	20	74	0
IS2_Phenanthrene-d10	1	1	-	0	20	73	0
Diphenamid	0.515	0.469	-	8.9	20	64	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059		
Instrument ID	: SV112	**Calibration Date**	: 11/21/24 00:05		
Lab File ID	: ADP1120N	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1999664-5	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
1,4-Dioxane	0.47	0.48	-	-2.1	20	128	0
n-Decane	1.145	1.455	-	-27.1*	20	152	0
IS3_Acenaphthene-d10	1	1	-	0	20	100	0
Atrazine	0.441	0.373	-	15.4	20	94	0
IS3_Phenanthrene-d10	1	1	-	0	20	92	0
n-Octadecane	0.315	0.395	-	-25.4*	20	130	0
Parathion	5	6.004	-	-20.1*	20	136	0
3,3'-Dimethylbenzidine	5	4.068	-	18.6	20	87	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059		
Instrument ID	: DAKOTA	Calibration Date	: 11/21/24 20:52		
Lab File ID	: ABN1121	Init. Calib. Date(s)	: 11/05/24	11/06/24	
Sample No	: WG1999667-3	Init. Calib. Times	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	126	0
n-Nitrosodimethylamine	0.63	0.64	-	-1.6	20	131	0
Pyridine	0.954	1.069	-	-12.1	20	133	0
2-Fluorophenol	1.028	1.017	-	1.1	20	128	0
Aniline	1.567	1.505	-	4	20	124	0
2-Chlorophenol	1.225	1.176	-	4	20	123	0
Phenol-d6	1.317	1.253	-	4.9	20	124	0
Phenol	1.421	1.35	-	5	20	123	0
Bis(2-chloroethyl)ether	1.017	0.96	-	5.6	20	124	0
1,3-Dichlorobenzene	1.577	1.452	-	7.9	20	122	0
1,4-Dichlorobenzene	1.61	1.495	-	7.1	20	123	0
1,2-Dichlorobenzene	1.534	1.417	-	7.6	20	122	0
Benzyl alcohol	0.93	0.869	-	6.6	20	120	0
Bis(2-chloroisopropyl)ethe	1.794	1.728	-	3.7	20	128	0
2-Methylphenol	1.079	0.969	-	10.2	20	121	0
Hexachloroethane	0.589	0.529	-	10.2	20	123	0
n-Nitrosodi-n-propylamine	0.863	0.76	-	11.9	20	118	0
3-Methylphenol/4-Methylphe	1.182	1.053	-	10.9	20	120	0
Nitrobenzene-d5	1.195	1.127	-	5.7	20	121	0
Nitrobenzene	1.222	1.146	-	6.2	20	120	0
Isophorone	2.247	1.965	-	12.6	20	114	0
2-Nitrophenol	0.619	0.603	-	2.6	20	127	0
2,4-Dimethylphenol	1.101	0.924	-	16.1	20	110	0
Bis(2-chloroethoxy)methane	1.4	1.269	-	9.4	20	119	0
2,4-Dichlorophenol	1.285	1.165	-	9.3	20	118	0
1,2,4-Trichlorobenzene	1.555	1.374	-	11.6	20	118	0
IS1_Naphthalene-d8	1	1	-	0	20	124	0
Naphthalene	1.1	0.996	-	9.5	20	121	0
Benzoic Acid	0.228	0.193	-	15.4	20	116	0
4-Chloroaniline	0.121	0.107	-	11.6	20	112	0
Hexachlorobutadiene	0.258	0.24	-	7	20	119	0
p-Chloro-m-cresol	0.29	0.262	-	9.7	20	116	0
2-Methylnaphthalene	0.761	0.658	-	13.5	20	116	0
1-Methylnaphthalene	0.242	0.2	-	17.4	20	107	0
Hexachlorocyclopentadiene	0.272	0.238	-	12.5	20	110	0
2,4,6-Trichlorophenol	0.287	0.257	-	10.5	20	115	0
2,4,5-Trichlorophenol	0.32	0.287	-	10.3	20	118	0
2-Fluorobiphenyl	0.99	0.833	-	15.9	20	113	0
2-Chloronaphthalene	0.852	0.722	-	15.3	20	112	0
2-Nitroaniline	0.218	0.197	-	9.6	20	113	0
1,4-Dinitrobenzene	0.095	0.093	-	2.1	20	122	0
1,3-Dinitrobenzene	0.113	0.107	-	5.3	20	116	0
Dimethyl phthalate	0.991	0.852	-	14	20	114	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059		
Instrument ID	: DAKOTA	Calibration Date	: 11/21/24 20:52		
Lab File ID	: ABN1121	Init. Calib. Date(s)	: 11/05/24	11/06/24	
Sample No	: WG1999667-3	Init. Calib. Times	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.109	-	11.4	20	116	0
2,6-Dinitrotoluene	0.185	0.17	-	8.1	20	113	0
1,2-Dinitrobenzene	0.066	0.065	-	1.5	20	114	0
IS1_Acenaphthene-d10	1	1	-	0	20	120	0
3-Nitroaniline	0.309	0.297	-	3.9	20	114	0
Acenaphthene	1.163	1.024	-	12	20	115	0
2,4-Dinitrophenol	0.188	0.185	-	1.6	20	129	0
Dibenzofuran	2.006	1.712	-	14.7	20	112	0
2,4-Dinitrotoluene	0.387	0.393	-	-1.6	20	117	0
4-Nitrophenol	0.23	0.224	-	2.6	20	115	0
2,3,5,6-Tetrachlorophenol	0.436	0.415	-	4.8	20	117	0
2,3,4,6-Tetrachlorophenol	0.428	0.394	-	7.9	20	114	0
Diethyl phthalate	1.575	1.386	-	12	20	116	0
Fluorene	1.536	1.353	-	11.9	20	114	0
4-Chlorophenyl phenyl ethe	0.792	0.674	-	14.9	20	112	0
4-Nitroaniline	0.299	0.292	-	2.3	20	112	0
4,6-Dinitro-o-cresol	0.234	0.25	-	-6.8	20	124	0
NDPA/DPA	1.337	1.146	-	14.3	20	112	0
Azobenzene	1.281	1.126	-	12.1	20	111	0
2,4,6-Tribromophenol	0.286	0.269	-	5.9	20	118	0
4-Bromophenyl phenyl ether	0.522	0.442	-	15.3	20	112	0
Hexachlorobenzene	0.656	0.557	-	15.1	20	114	0
Pentachlorophenol	0.356	0.346	-	2.8	20	116	0
IS1_Phenanthrene-d10	1	1	-	0	20	115	0
Phenanthrene	1.183	1.048	-	11.4	20	111	0
Anthracene	1.16	1.056	-	9	20	112	0
Carbazole	1.064	0.99	-	7	20	112	0
Di-n-butylphthalate	1.207	1.135	-	6	20	110	0
Fluoranthene	1.422	1.276	-	10.3	20	111	0
Benzidine	0.772	0.717	-	7.1	20	103	0
Pyrene	1.52	1.368	-	10	20	110	0
4-Terphenyl-d14	1.157	1.019	-	11.9	20	110	0
Butyl benzyl phthalate	0.517	0.508	-	1.7	20	113	0
IS1_Chrysene-d12	1	1	-	0	20	116	0
Benzo(a)anthracene	1.355	1.214	-	10.4	20	112	0
3,3'-Dichlorobenzidine	0.505	0.491	-	2.8	20	113	0
Chrysene	1.349	1.16	-	14	20	110	0
Bis(2-ethylhexyl)phthalate	0.726	0.708	-	2.5	20	112	0
Di-n-octylphthalate	1.212	1.191	-	1.7	20	113	0
Benzo(b)fluoranthene	1.42	1.357	-	4.4	20	120	0
Benzo(k)fluoranthene	1.383	1.319	-	4.6	20	113	0
Benzo(a)pyrene	1.267	1.25	-	1.3	20	117	0
IS1_Perylene-d12	1	1	-	0	20	122	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/21/24 20:52		
Lab File ID	: ABN1121	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG1999667-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.154	-	6.5	20	121	0
Dibenzo(a,h)anthracene	1.213	1.144	-	5.7	20	120	0
Benzo(ghi)perylene	1.192	1.115	-	6.5	20	122	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/21/24 21:15		
Lab File ID	: AP91121	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG1999667-4	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	77	0
Benzaldehyde	0.703	0.765	-	-8.8	20	77	0
Acetophenone	1.403	1.53	-	-9.1	20	80	0
m-Toluidine	1.287	1.372	-	-6.6	20	80	0
2-Chloroaniline	1.368	1.543	-	-12.8	20	83	0
IS2_Naphthalene-d8	1	1	-	0	20	82	0
a-Terpineol	0.221	0.245	-	-10.9	20	86	0
3-Chloroaniline	0.115	0.116	-	-0.9	20	76	0
2,6-Dichlorophenol	0.296	0.319	-	-7.8	20	82	0
1-chloro-2-nitrobenzene	0.113	0.129	-	-14.2	20	84	0
Caprolactam	0.123	0.136	-	-10.6	20	88	0
1,2,4,5-Tetrachlorobenzene	0.413	0.424	-	-2.7	20	80	0
Biphenyl	0.842	0.892	-	-5.9	20	82	0
IS2_Acenaphthene-d10	1	1	-	0	20	86	0
Dichloran	0.169	0.176	-	-4.1	20	92	0
Pentachloronitrobenzene	0.187	0.186	-	0.5	20	88	0
IS2_Phenanthrene-d10	1	1	-	0	20	86	0
Diphenamid	0.416	0.449	-	-7.9	20	89	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/21/24 21:39		
Lab File ID	: ADP1121	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG1999667-5	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	80	0
1,4-Dioxane	0.381	0.423	-	-11	20	84	0
n-Decane	1.048	1.099	-	-4.9	20	80	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.343	0.357	-	-4.1	20	90	0
IS3_Phenanthrene-d10	1	1	-	0	20	89	0
n-Octadecane	0.334	0.356	-	-6.6	20	95	0
Parathion	5	5.147	-	-2.9	20	103	0
3,3'-Dimethylbenzidine	0.728	0.722	-	0.8	20	99	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\241120NRVT\
Data File : ABN1120n.D
Acq On : 20 Nov 2024 11:19 pm
Operator : SV112:cmm
Sample : WG1999664-3,32,,ABN RVT CCV Lot # 11043
Misc : WG1999664,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Nov 20 23:40:25 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 20 23:41:28 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	83	0.00
2	T	n-Nitrosodimethylamine		0.657	0.732	-11.4	85	0.00
3	T	Pyridine		1.043	1.101	-5.6	77	0.00
4	S	2-Fluorophenol		1.050	1.083	-3.1	85	0.00
5	T	Aniline		1.811	1.690	6.7	80	0.00
6	T	2-Chlorophenol		1.251	1.191	4.8	81	0.00
7	S	Phenol-d6		1.357	1.331	1.9	81	0.00
8	T	Phenol		1.577	1.562	1.0	83	0.00
9	T	Bis(2-chloroethyl)ether		1.167	1.121	3.9	83	0.00
10	T	1,3-Dichlorobenzene		1.508	1.389	7.9	78	0.00
11	T	1,4-Dichlorobenzene		1.575	1.400	11.1	79	0.00
12	T	1,2-Dichlorobenzene		1.475	1.314	10.9	77	0.00
13	T	Benzyl alcohol		0.945	0.945	0.0	83	0.00
14	T	Bis(2-chloroisopropyl)ether		1.475	1.932	-31.0#	113	0.00
15	T	2-Methylphenol		1.056	1.034	2.1	82	0.00
16	T	Hexachloroethane		0.558	0.539	3.4	83	0.00
17	T	n-Nitrosodi-n-propylamine		0.865	0.809	6.5	80	0.00
18	T	3-Methylphenol/4-Methylphen		1.150	1.088	5.4	78	0.00
19	S	Nitrobenzene-d5		1.294	1.214	6.2	79	0.00
20	T	Nitrobenzene		1.289	1.221	5.3	79	0.00
21	T	Isophorone		2.328	2.213	4.9	81	0.00
22	T	2-Nitrophenol		0.574	0.616	-7.3	89	0.00
23	T	2,4-Dimethylphenol		1.101	0.914	17.0	76	0.00
24	T	Bis(2-chloroethoxy)methane		1.567	1.406	10.3	80	0.00
25	T	2,4-Dichlorophenol		1.153	1.052	8.8	78	0.00
26	T	1,2,4-Trichlorobenzene		1.460	1.231	15.7	77	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	79	0.00
36	T	Naphthalene		1.049	0.971	7.4	77	0.00
37	T	Benzoic Acid	*	5.000	5.479	-9.6	100	0.00
38	T	4-Chloroaniline		0.118	0.124	-5.1	83	0.00
39	T	Hexachlorobutadiene		0.246	0.247	-0.4	86	0.00
40	T	p-Chloro-m-cresol		0.277	0.276	0.4	80	0.00
41	T	2-Methylnaphthalene		0.713	0.645	9.5	78	0.00
42	T	1-Methylnaphthalene		0.245	0.212	13.5	77	0.00
43	T	Hexachlorocyclopentadiene		0.251	0.280	-11.6	97	0.00
44	T	2,4,6-Trichlorophenol		0.256	0.251	2.0	79	0.00
45	T	2,4,5-Trichlorophenol		0.262	0.261	0.4	79	0.00
46	S	2-Fluorobiphenyl		0.904	0.801	11.4	77	0.00

Data Path : I:\8270\SV112\241120NRVT\
Data File : ABN1120n.D
Acq On : 20 Nov 2024 11:19 pm
Operator : SV112:cmm
Sample : WG1999664-3,32,,ABN RVT CCV Lot # 11043
Misc : WG1999664,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Nov 20 23:40:25 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 20 23:41:28 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.759	0.665	12.4	75	0.00
48	T	2-Nitroaniline		0.200	0.207	-3.5	85	0.00
49	T	1,4-Dinitrobenzene		0.098	0.109	-11.2	91	0.00
50	T	1,3-Dinitrobenzene		0.114	0.118	-3.5	84	0.00
51	T	Dimethyl phthalate		0.923	0.804	12.9	76	0.00
52	T	Acenaphthylene		1.120	1.041	7.1	77	0.00
53	T	2,6-Dinitrotoluene		0.173	0.169	2.3	82	0.00
54	T	1,2-Dinitrobenzene		0.076	0.077	-1.3	86	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	79	0.00
64	T	3-Nitroaniline		0.299	0.316	-5.7	81	0.00
65	T	Acenaphthene		1.115	1.032	7.4	79	0.00
66	T	2,4-Dinitrophenol	*	5.000	5.607	-12.1	99	0.00
67	T	Dibenzofuran		1.837	1.627	11.4	75	0.00
68	T	2,4-Dinitrotoluene		0.383	0.394	-2.9	80	0.00
69	T	4-Nitrophenol		0.290	0.247	14.8	69	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.377	0.431	-14.3	88	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.370	0.388	-4.9	84	0.00
72	T	Diethyl phthalate		1.487	1.303	12.4	77	0.00
73	T	Fluorene		1.431	1.295	9.5	77	0.00
74	T	4-Chlorophenyl phenyl ether		0.780	0.658	15.6	76	0.00
75	T	4-Nitroaniline		0.314	0.324	-3.2	77	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	5.425	-8.5	104	0.00
77	T	NDPA/DPA		1.231	1.093	11.2	75	0.00
78	T	Azobenzene		1.305	1.189	8.9	75	0.00
79	S	2,4,6-Tribromophenol		0.257	0.229	10.9	77	0.00
80	T	4-Bromophenyl phenyl ether		0.500	0.420	16.0	76	0.00
81	T	Hexachlorobenzene		0.628	0.485	22.8#	73	0.00
82	T	Pentachlorophenol		0.322	0.341	-5.9	90	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	81	0.00
89	T	Phenanthrene		1.058	0.948	10.4	76	0.00
90	T	Anthracene		1.035	0.945	8.7	76	0.00
91	T	Carbazole		0.948	0.877	7.5	75	0.00
92	T	Di-n-butylphthalate		1.034	1.024	1.0	84	0.00
93	T	Fluoranthene		1.228	1.156	5.9	79	0.00
94	T	Benzidine		0.675	0.666	1.3	77	0.00
95	T	Pyrene		1.301	1.238	4.8	77	0.00
96	S	4-Terphenyl-d14		1.029	0.897	12.8	75	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\241120NRVT\
Data File : ABN1120n.D
Acq On : 20 Nov 2024 11:19 pm
Operator : SV112:cmm
Sample : WG1999664-3,32,,ABN RVT CCV Lot # 11043
Misc : WG1999664,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Nov 20 23:40:25 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 20 23:41:28 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.458	0.458	0.0	88	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	75	0.00
105	T	Benzo(a)anthracene	1.284	1.272	0.9	77	0.00
106	T	3,3'-Dichlorobenzidine	0.468	0.486	-3.8	79	0.00
107	T	Chrysene	1.259	1.175	6.7	74	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.639	0.698	-9.2	86	0.00
109	T	Di-n-octylphthalate	0.979	1.173	-19.8	89	0.00
110	T	Benzo(b)fluoranthene	1.317	1.361	-3.3	79	0.00
111	T	Benzo(k)fluoranthene	1.202	1.156	3.8	68	0.00
112	T	Benzo(a)pyrene	1.149	1.235	-7.5	79	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	75	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.118	1.214	-8.6	80	0.00
115	T	Dibenzo(a,h)anthracene	1.068	1.094	-2.4	76	0.00
116	T	Benzo(ghi)perylene	1.078	1.049	2.7	74	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : ABN1120n.D
Acq On : 20 Nov 2024 11:19 pm
Operator : SV112:cmm
Sample : WG1999664-3,32,,ABN RVT CCV Lot # 11043
Misc : WG1999664,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Nov 20 23:40:25 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 20 23:41:28 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.752	152	17736	4.000	ug/ml		0.00
35) IS1_Naphthalene-d8	5.987	136	64272	4.000	ug/ml		0.00
63) IS1_Acenaphthene-d10	7.687	164	39047	4.000	ug/ml		0.00
88) IS1_Phenanthrene-d10	9.116	188	83673	4.000	ug/ml	#	0.00
104) IS1_Chrysene-d12	11.745	240	83909	4.000	ug/ml	#	0.00
113) IS1_Perylene-d12	13.210	264	98870	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	3.487	112	24021	5.158	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 257.90%#				
7) Phenol-d6	4.428	99	29510	4.906	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 245.30%#				
19) Nitrobenzene-d5	5.293	82	26916	4.691	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 469.10%#				
46) 2-Fluorobiphenyl	7.051	172	64339	4.427	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 442.70%#				
79) 2,4,6-Tribromophenol	8.446	330	11168	4.456	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 222.80%#				
96) 4-Terphenyl-d14	10.692	244	93795	4.358	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 435.80%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	2.128	74	16222	5.568	ug/ml	#	94
3) Pyridine	2.169	79	24417	5.282	ug/ml		99
5) Aniline	4.434	93	37467	4.666	ug/ml	#	46
6) 2-Chlorophenol	4.546	128	26394	4.760	ug/ml		99
8) Phenol	4.440	94	34624	4.952	ug/ml	#	48
9) Bis(2-chloroethyl)ether	4.516	93	24850	4.801	ug/ml		98
10) 1,3-Dichlorobenzene	4.699	146	30788	4.603	ug/ml		97
11) 1,4-Dichlorobenzene	4.769	146	31027	4.444	ug/ml		98
12) 1,2-Dichlorobenzene	4.916	146	29129	4.453	ug/ml		94
13) Benzyl alcohol	4.899	79	20957	5.003	ug/ml		97
14) Bis(2-chloroisopropyl)...	5.046	45	42831	6.551	ug/ml	#	75
15) 2-Methylphenol	5.028	108	22934	4.896	ug/ml		99
16) Hexachloroethane	5.240	117	11950	4.833	ug/ml	#	55
17) n-Nitrosodi-n-propylamine	5.169	70	17942	4.677	ug/ml		97
18) 3-Methylphenol/4-Methy...	5.181	108	24110	4.727	ug/ml		97
20) Nitrobenzene	5.310	77	27065	4.734	ug/ml		97
21) Isophorone	5.546	82	49064	4.753	ug/ml		99
22) 2-Nitrophenol	5.622	139	13660	5.364	ug/ml		99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : ABN1120n.D
Acq On : 20 Nov 2024 11:19 pm
Operator : SV112:cmm
Sample : WG1999664-3,32,,ABN RVT CCV Lot # 11043
Misc : WG1999664,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Nov 20 23:40:25 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 20 23:41:28 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	5.693	107	20267	4.151	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.781	93	31162	4.485	ug/ml	97
25) 2,4-Dichlorophenol	5.857	162	23316	4.562	ug/ml	92
26) 1,2,4-Trichlorobenzene	5.940	180	27291	4.216	ug/ml	95
36) Naphthalene	6.004	128	77992	4.629	ug/ml	99
37) Benzoic Acid	5.763	105	16639	5.479	ug/ml	96
38) 4-Chloroaniline	6.075	65	9985	5.273	ug/ml	95
39) Hexachlorobutadiene	6.152	225	19842	5.024	ug/ml	98
40) p-Chloro-m-cresol	6.563	107	22149	4.979	ug/ml	95
41) 2-Methylnaphthalene	6.681	142	51791	4.520	ug/ml	97
42) 1-Methylnaphthalene	6.775	115	17053	4.327	ug/ml	94
43) Hexachlorocyclopentadiene	6.851	237	22478	5.577	ug/ml	97
44) 2,4,6-Trichlorophenol	6.963	196	20149	4.889	ug/ml	98
45) 2,4,5-Trichlorophenol	6.993	196	20934	4.965	ug/ml	97
47) 2-Chloronaphthalene	7.146	162	53408	4.382	ug/ml	94
48) 2-Nitroaniline	7.257	138	16611	5.158	ug/ml	96
49) 1,4-Dinitrobenzene	7.387	168	8788M3	5.563	ug/ml	
50) 1,3-Dinitrobenzene	7.463	168	9510	5.192	ug/ml	83
51) Dimethyl phthalate	7.457	163	64605	4.358	ug/ml	100
52) Acenaphthylene	7.546	152	83673	4.650	ug/ml	100
53) 2,6-Dinitrotoluene	7.499	165	13614	4.909	ug/ml	93
54) 1,2-Dinitrobenzene	7.540	168	6159	5.046	ug/ml#	1
64) 3-Nitroaniline	7.651	138	15437	5.293	ug/ml	93
65) Acenaphthene	7.716	154	50394	4.631	ug/ml	98
66) 2,4-Dinitrophenol	7.751	184	8933	5.607	ug/ml#	85
67) Dibenzofuran	7.887	168	79401	4.428	ug/ml	92
68) 2,4-Dinitrotoluene	7.887	165	19239	5.141	ug/ml	89
69) 4-Nitrophenol	7.834	65	12034	4.258	ug/ml	98
70) 2,3,5,6-Tetrachlorophenol	7.975	232	21026	5.720	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.016	232	18917	5.238	ug/ml	99
72) Diethyl phthalate	8.146	149	63578	4.381	ug/ml	95
73) Fluorene	8.216	166	63230	4.527	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.234	204	32122	4.221	ug/ml#	83
75) 4-Nitroaniline	8.240	138	15809	5.152	ug/ml	99
76) 4,6-Dinitro-o-cresol	8.275	198	13059	5.425	ug/ml#	80
77) NDPA/DPA	8.346	169	53332	4.439	ug/ml	97
78) Azobenzene	8.381	77	58049	4.556	ug/ml#	95
80) 4-Bromophenyl phenyl e...	8.698	248	20504	4.205	ug/ml#	83
81) Hexachlorobenzene	8.751	284	23677	3.865	ug/ml#	86
82) Pentachlorophenol	8.945	266	16656	5.294	ug/ml	95
89) Phenanthrene	9.134	178	99189	4.482	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : ABN1120n.D
Acq On : 20 Nov 2024 11:19 pm
Operator : SV112:cmm
Sample : WG1999664-3,32,,ABN RVT CCV Lot # 11043
Misc : WG1999664,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Nov 20 23:40:25 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 20 23:41:28 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90)	Anthracene	9.187	178	98849	4.565	ug/ml	99
91)	Carbazole	9.351	167	91741	4.627	ug/ml	99
92)	Di-n-butylphthalate	9.734	149	107102	4.952	ug/ml	100
93)	Fluoranthene	10.287	202	120861	4.706	ug/ml#	95
94)	Benzidine	10.440	184	69624	4.930	ug/ml#	96
95)	Pyrene	10.504	202	129527	4.758	ug/ml	99
97)	Butyl benzyl phthalate	11.210	149	47948	5.010	ug/ml#	94
105)	Benzo(a)anthracene	11.739	228	133375	4.950	ug/ml	100
106)	3,3'-Dichlorobenzidine	11.734	252	50925	5.189	ug/ml#	97
107)	Chrysene	11.775	228	123196	4.664	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.845	149	73231	5.466	ug/ml	98
109)	Di-n-octylphthalate	12.522	149	123056	5.993	ug/ml	99
110)	Benzo(b)fluoranthene	12.839	252	142782	5.167	ug/ml#	95
111)	Benzo(k)fluoranthene	12.869	252	121205M3	4.805	ug/ml	
112)	Benzo(a)pyrene	13.157	252	129572	5.374	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	14.198	276	150038M6	5.427	ug/mL	
115)	Dibenzo(a,h)anthracene	14.222	278	135145	5.119	ug/ml#	92
116)	Benzo(ghi)perylene	14.451	276	129705	4.869	ug/ml#	93

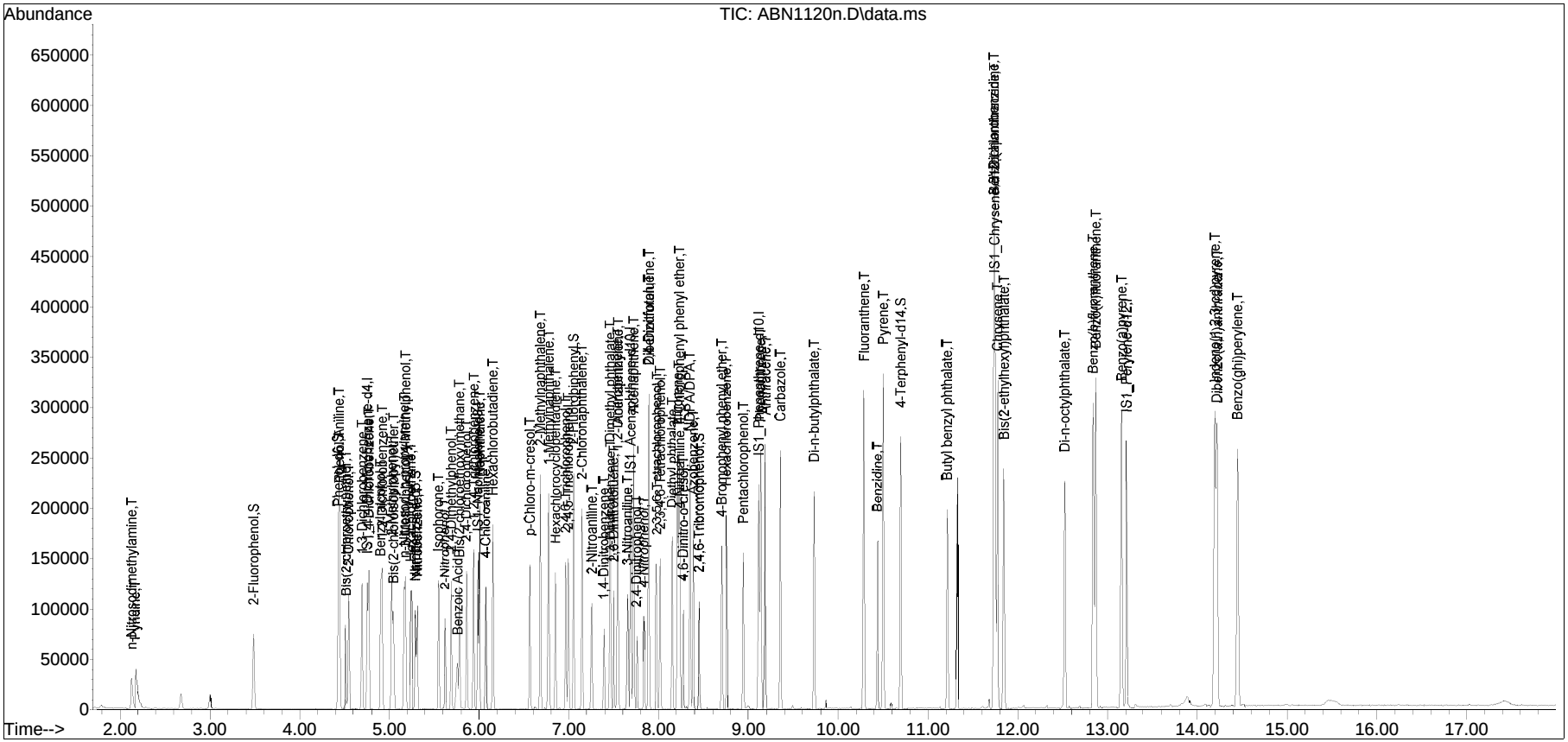
(#) = qualifier out of range (m) = manual integration (+) = signals summed

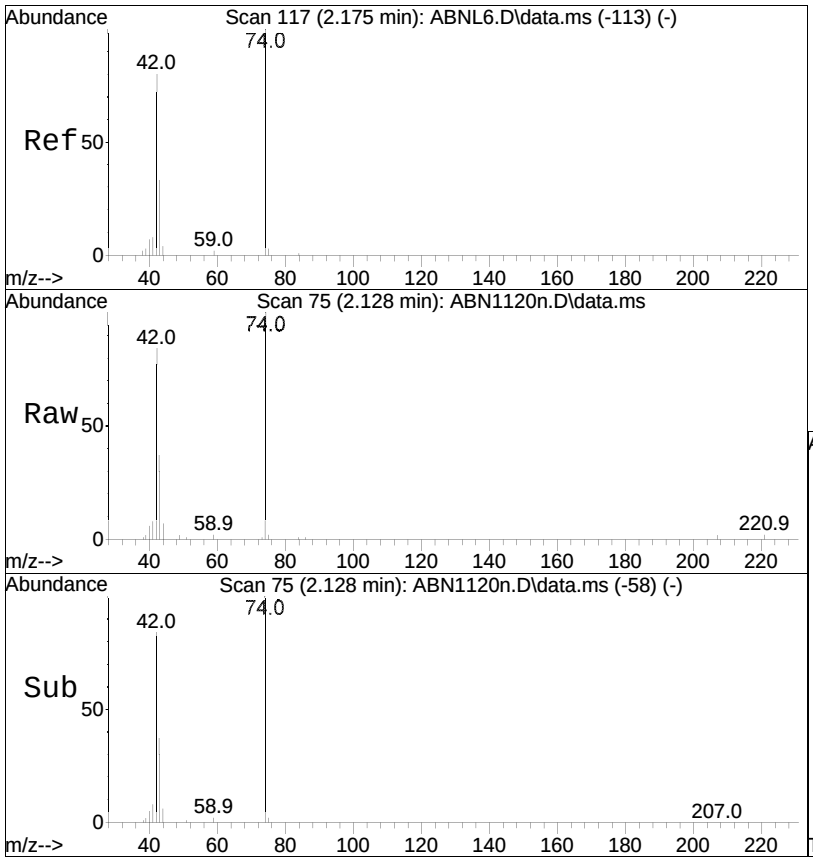
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : ABN1120n.D
Acq On : 20 Nov 2024 11:19 pm
Operator : SV112:cmm
Sample : WG1999664-3,32,,ABN RVT CCV Lot # 11043
Misc : WG1999664,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Nov 20 23:40:25 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 20 23:41:28 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

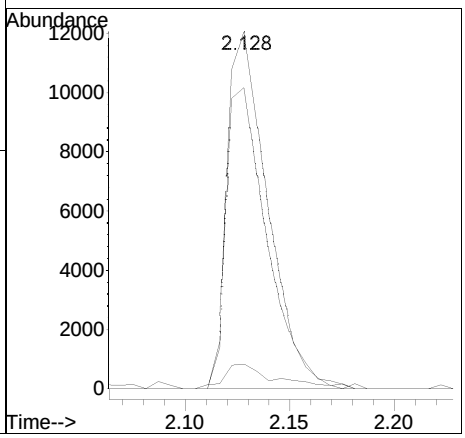


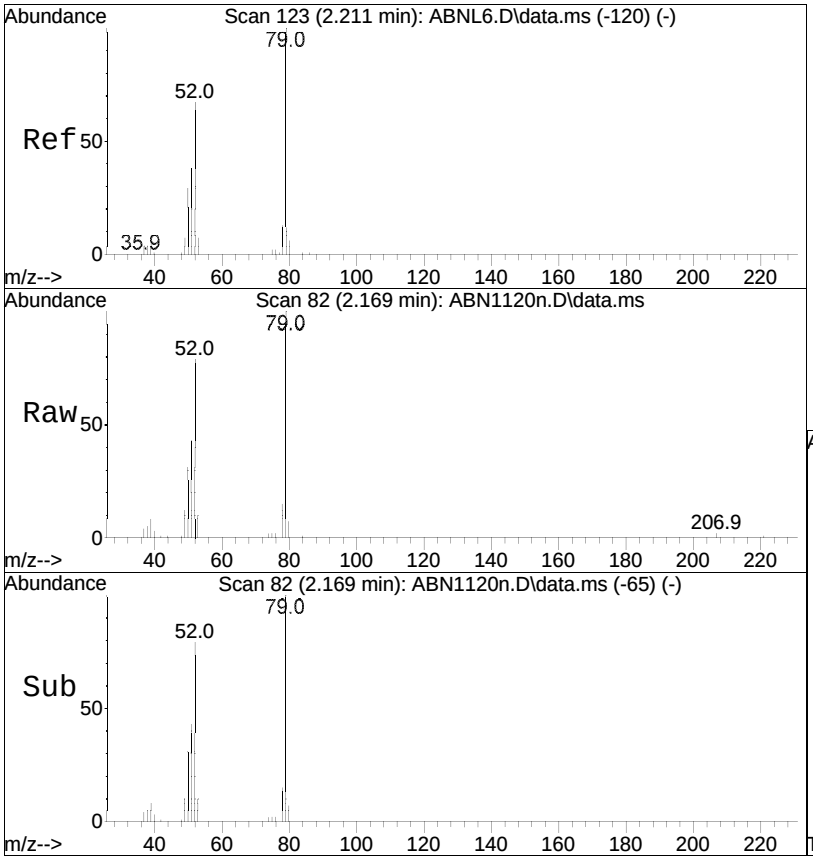


#2
n-Nitrosodimethylamine
Concen: 5.57 ug/ml
RT: 2.128 min Scan# 75
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion: 74 Resp: 16222

Ion	Ratio	Lower	Upper
74	100		
42	85.2	63.8	95.8
44	8.4	4.3	6.5#

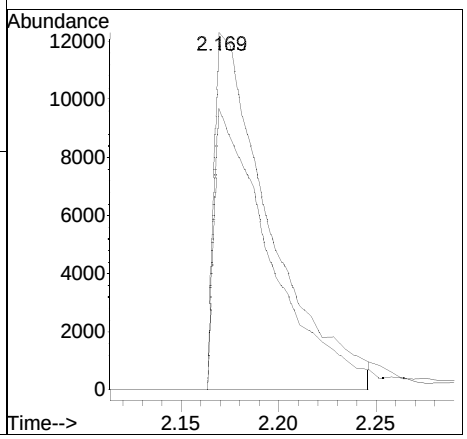


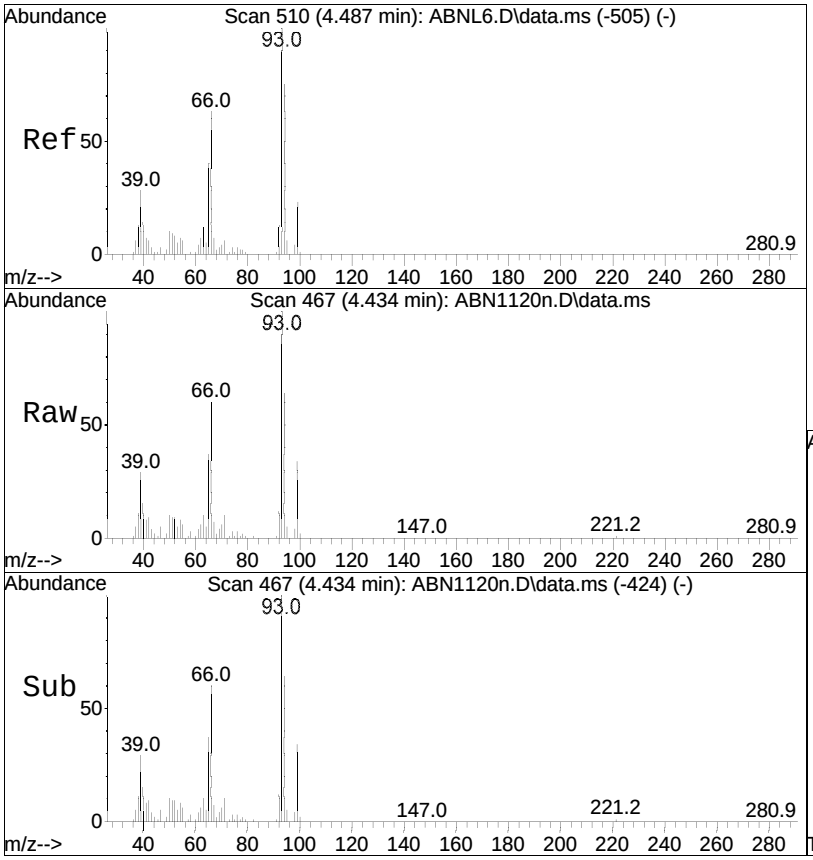


#3
Pyridine
Concen: 5.28 ug/ml
RT: 2.169 min Scan# 82
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion: 79 Resp: 24417

Ion	Ratio	Lower	Upper
79	100		
52	79.6	64.6	96.8

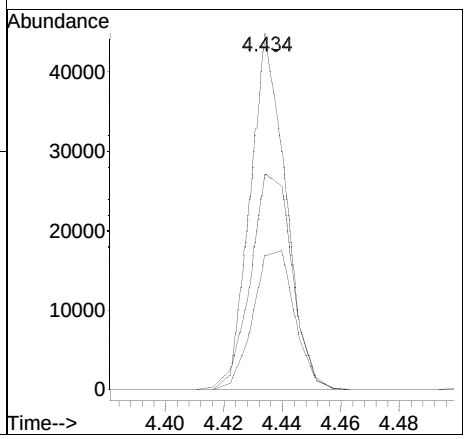


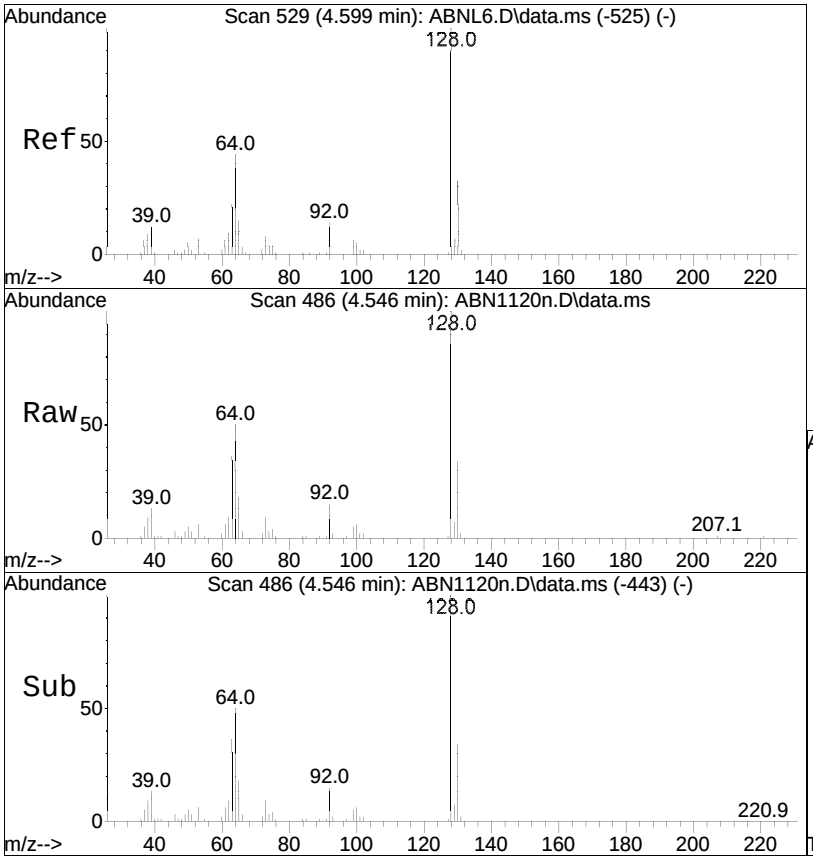


#5
Aniline
Concen: 4.67 ug/ml
RT: 4.434 min Scan# 467
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion: 93 Resp: 37467

Ion	Ratio	Lower	Upper
93	100		
66	71.8	31.3	46.9#
65	46.3	16.6	25.0#

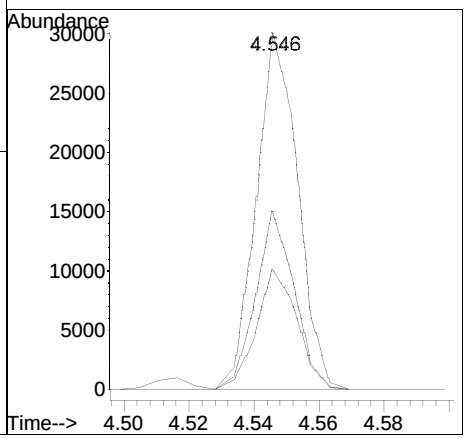


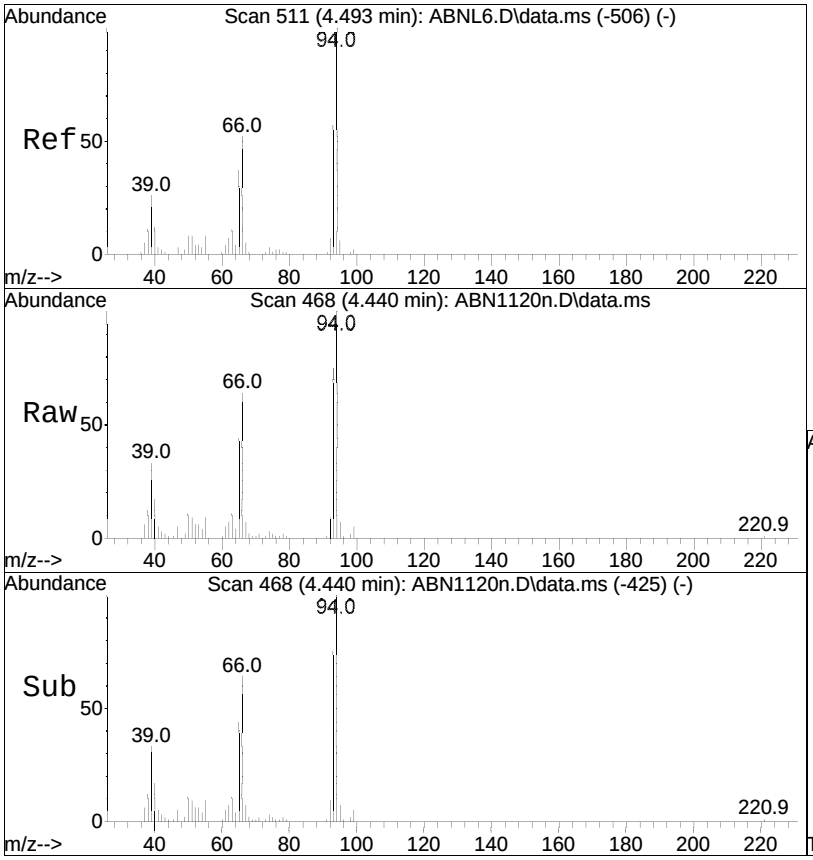


#6
2-Chlorophenol
Concen: 4.76 ug/ml
RT: 4.546 min Scan# 486
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:128 Resp: 26394

Ion	Ratio	Lower	Upper
128	100		
64	46.7	38.2	57.4
130	33.4	26.2	39.2

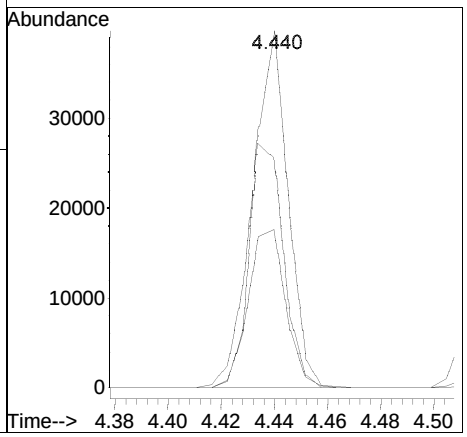


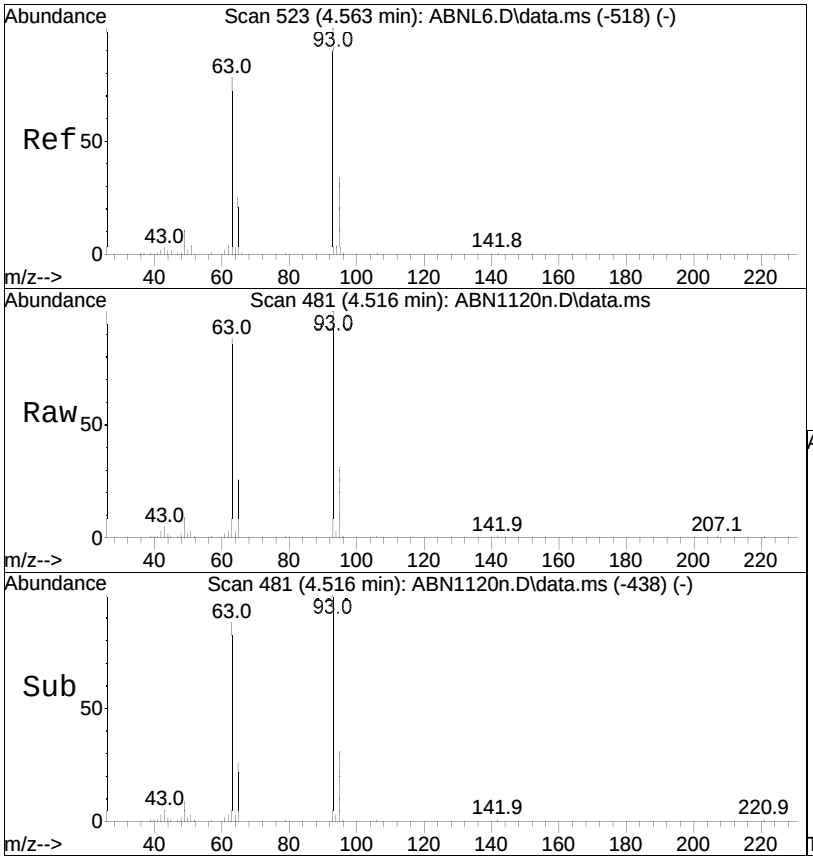


#8
Phenol
Concen: 4.95 ug/ml
RT: 4.440 min Scan# 468
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion: 94 Resp: 34624

Ion	Ratio	Lower	Upper
94	100		
65	50.1	23.0	34.6#
66	77.7	32.1	48.1#

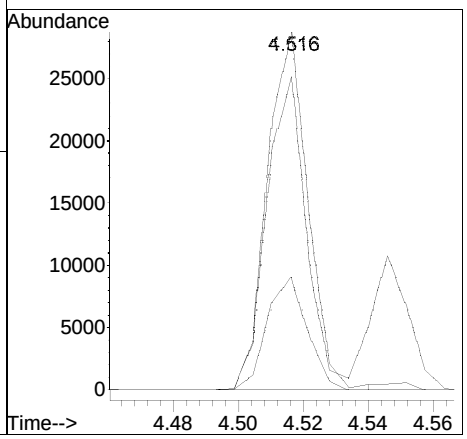


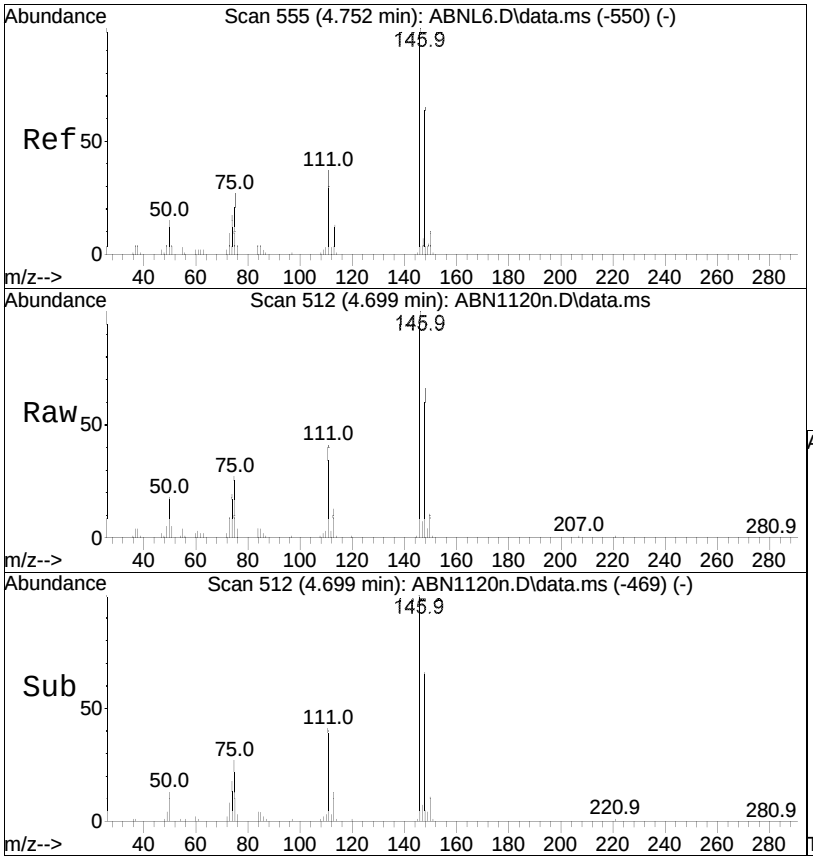


#9
Bis(2-chloroethyl)ether
Concen: 4.80 ug/ml
RT: 4.516 min Scan# 481
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion: 93 Resp: 24850

Ion	Ratio	Lower	Upper
93	100		
63	85.9	67.0	100.4
95	31.4	26.1	39.1

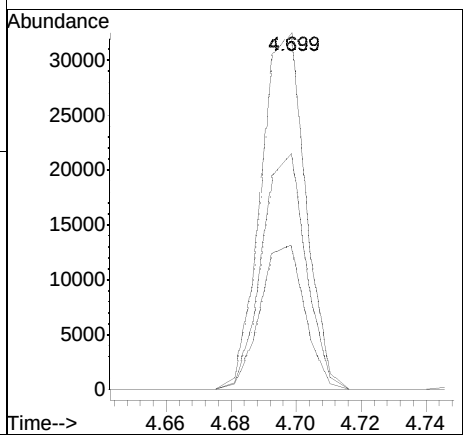


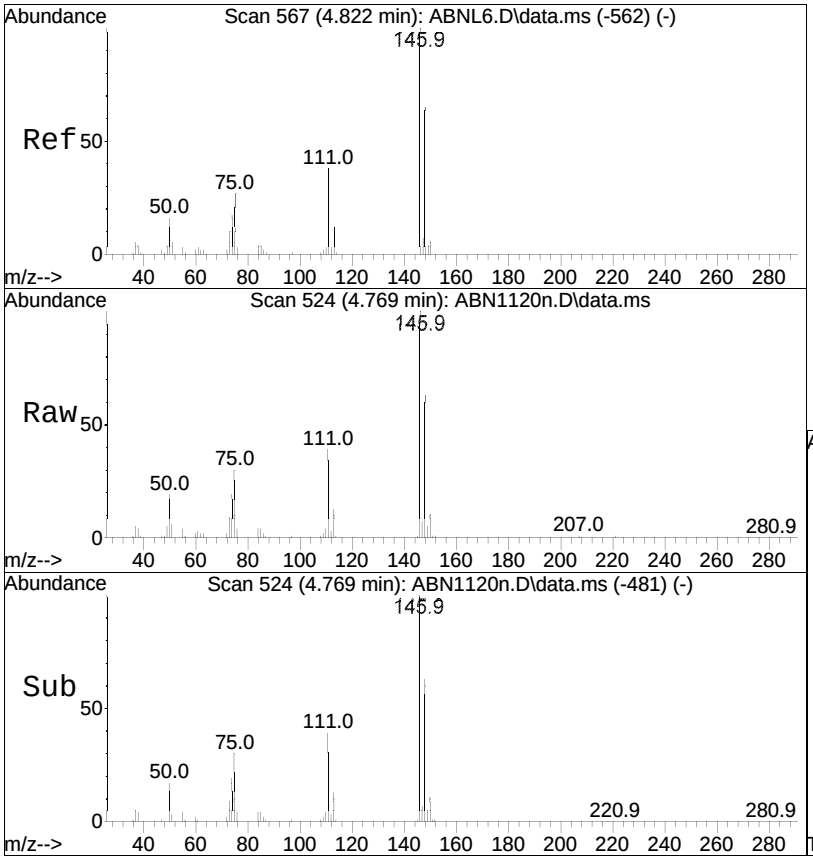


#10
1,3-Dichlorobenzene
Concen: 4.60 ug/ml
RT: 4.699 min Scan# 512
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:146 Resp: 30788

Ion	Ratio	Lower	Upper
146	100		
111	40.8	35.0	52.4
148	65.3	51.3	76.9

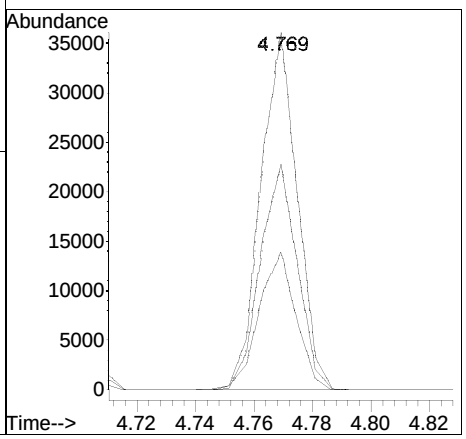


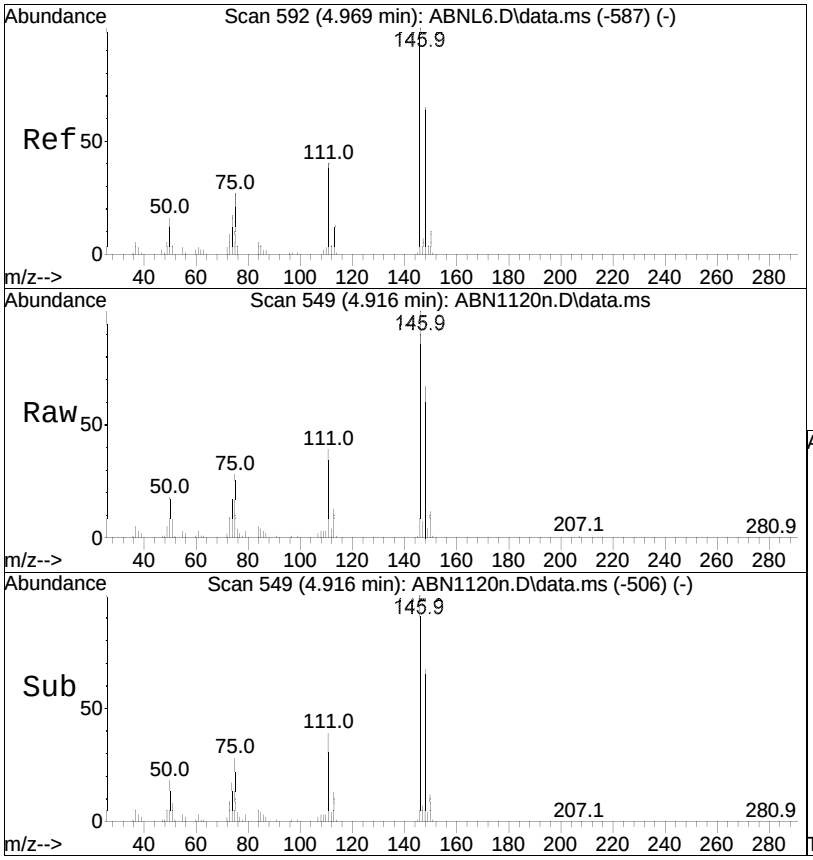


#11
1,4-Dichlorobenzene
Concen: 4.44 ug/ml
RT: 4.769 min Scan# 524
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:146 Resp: 31027

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.1	76.7
111	39.5	34.4	51.6

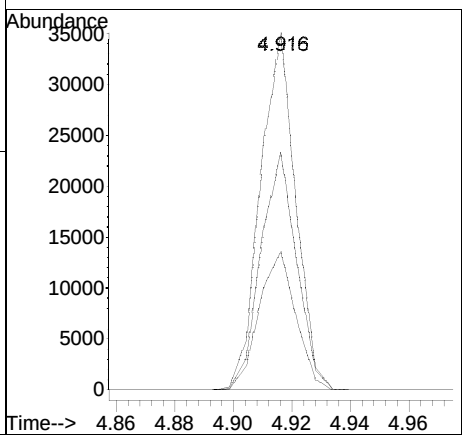


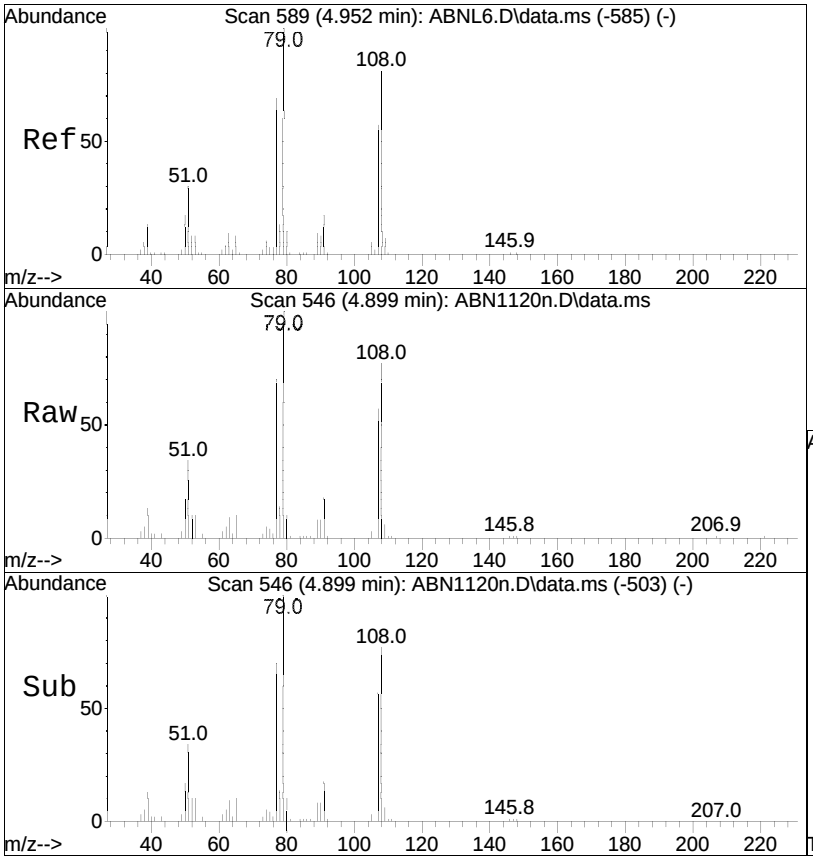


#12
1,2-Dichlorobenzene
Concen: 4.45 ug/ml
RT: 4.916 min Scan# 549
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:146 Resp: 29129

Ion	Ratio	Lower	Upper
146	100		
111	40.5	35.5	53.3
148	67.6	50.6	76.0

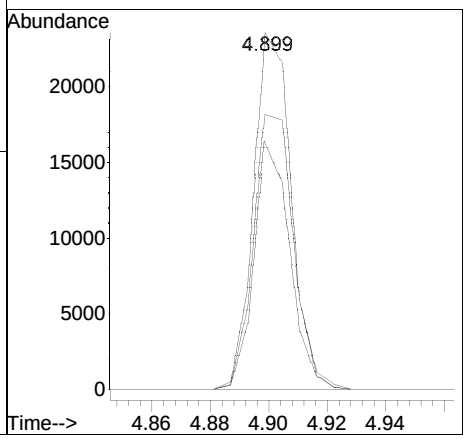


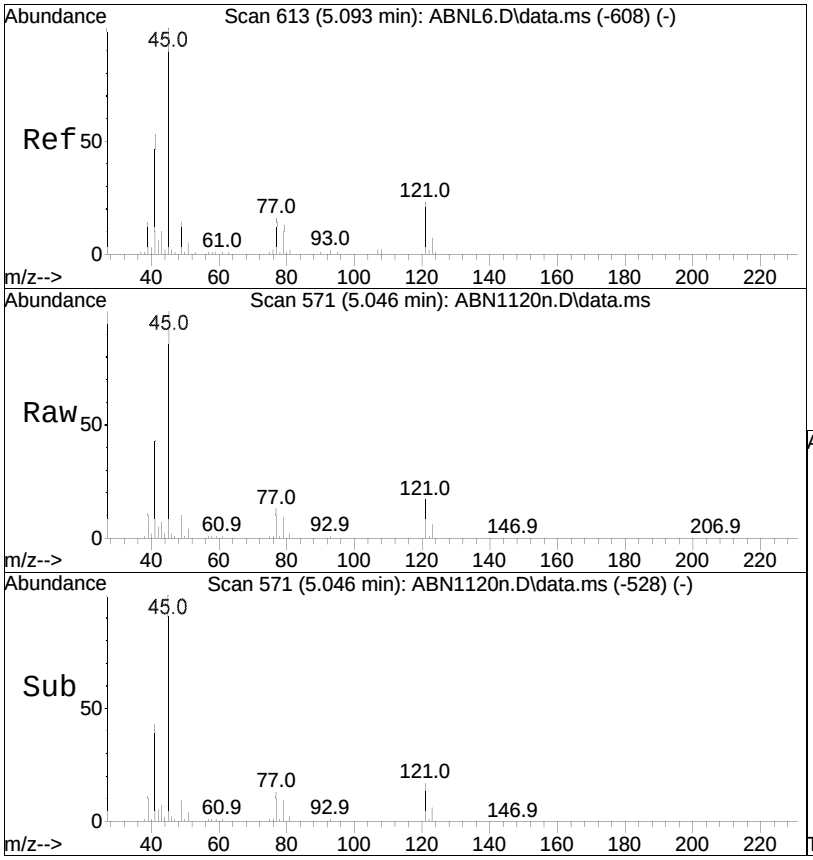


#13
Benzyl alcohol
Concen: 5.00 ug/ml
RT: 4.899 min Scan# 546
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion: 79 Resp: 20957

Ion	Ratio	Lower	Upper
79	100		
77	66.9	51.8	77.6
108	83.0	63.9	95.9

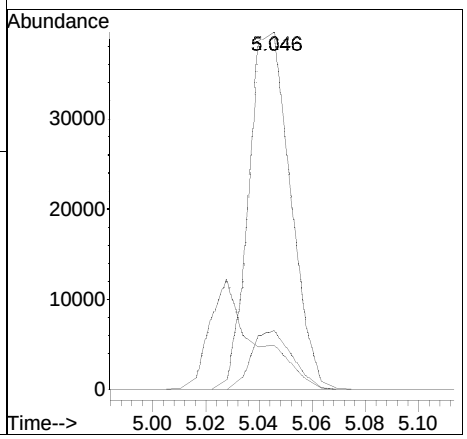


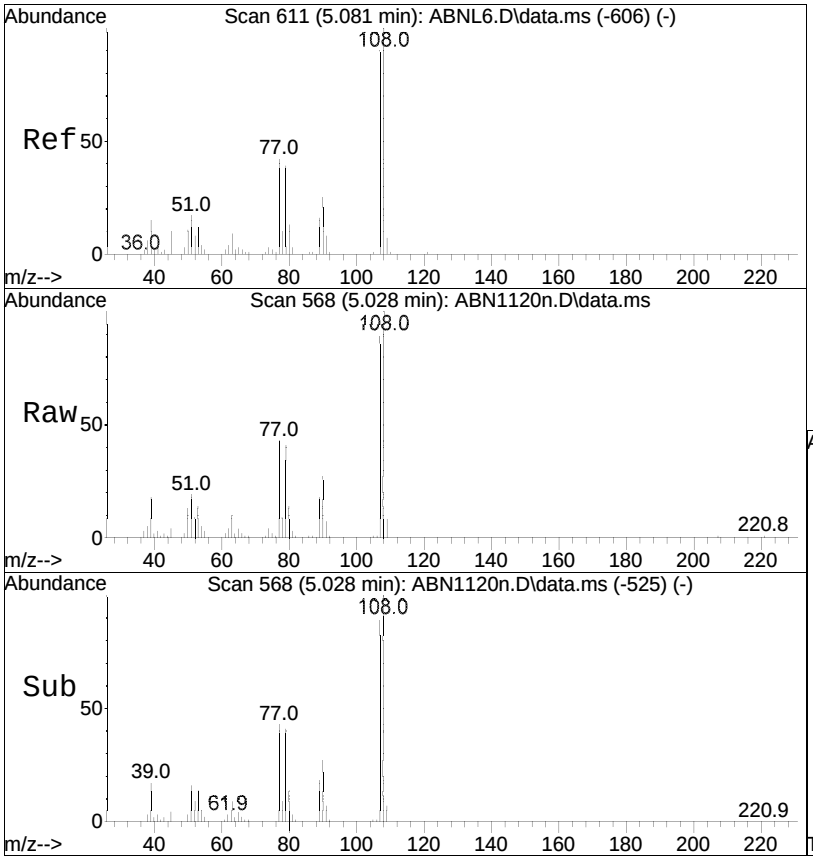


#14
Bis(2-chloroisopropyl)ether
Concen: 6.55 ug/ml
RT: 5.046 min Scan# 571
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion: 45 Resp: 42831

Ion	Ratio	Lower	Upper
45	100		
121	16.3	14.8	22.2
77	34.3	10.5	15.7#

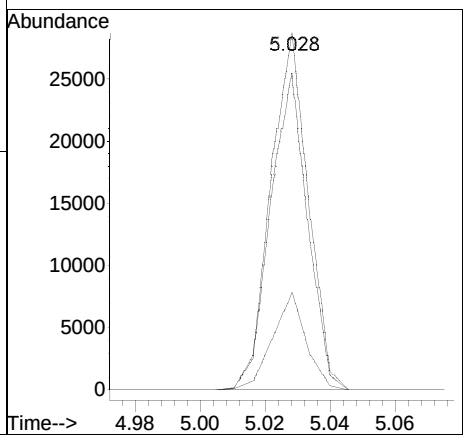


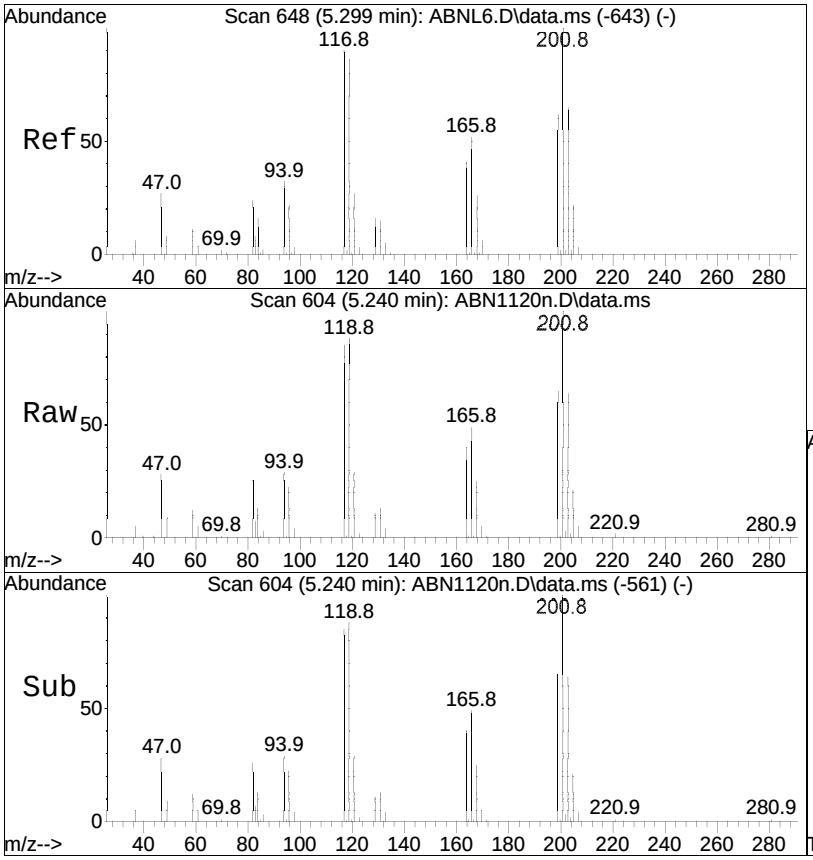


#15
2-Methylphenol
Concen: 4.90 ug/ml
RT: 5.028 min Scan# 568
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:108 Resp: 22934

Ion	Ratio	Lower	Upper
108	100		
107	87.8	71.0	106.4
90	24.5	19.7	29.5

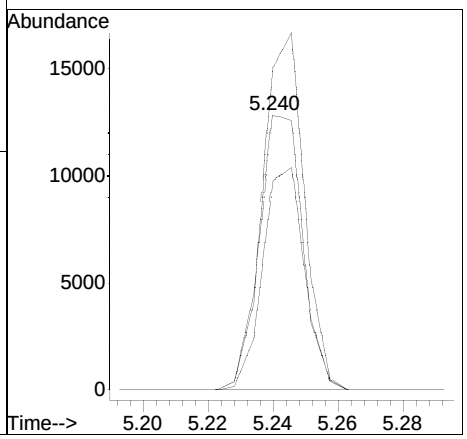


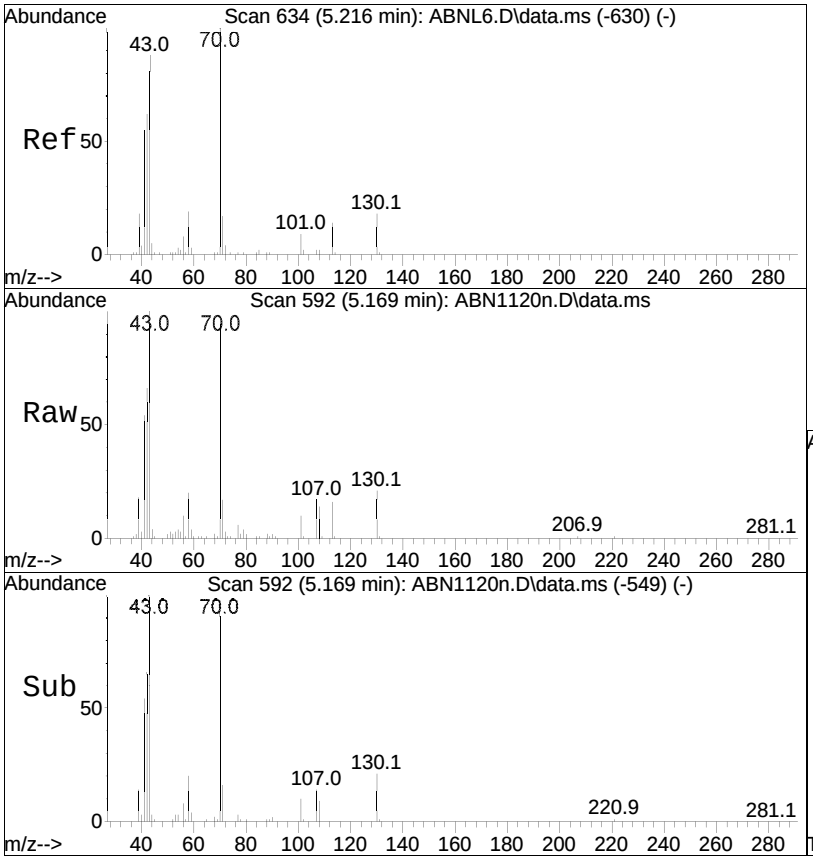


#16
Hexachloroethane
Concen: 4.83 ug/ml
RT: 5.240 min Scan# 604
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:117 Resp: 11950

Ion	Ratio	Lower	Upper
117	100		
201	123.6	64.4	96.6#
199	78.1	40.5	60.7#

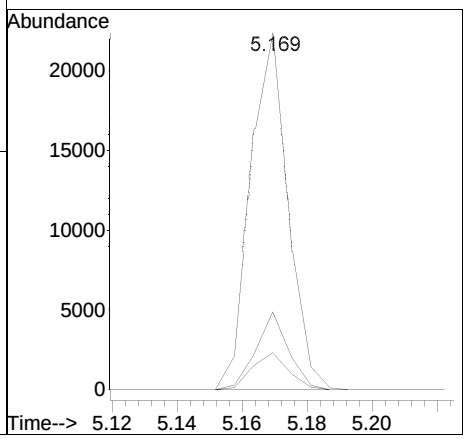


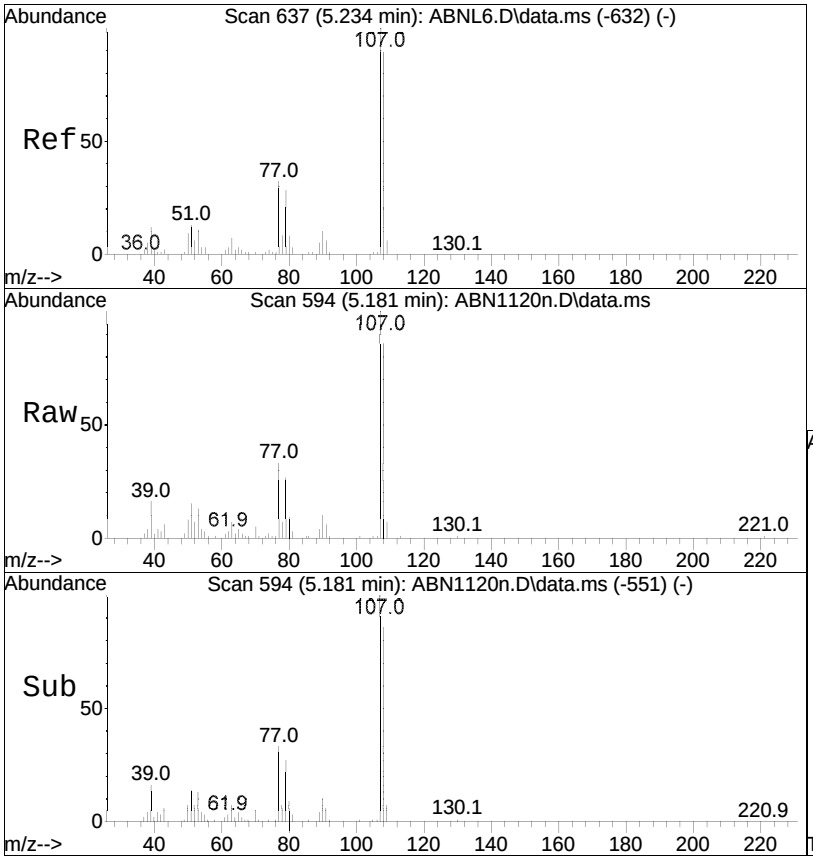


#17
n-Nitrosodi-n-propylamine
Concen: 4.68 ug/ml
RT: 5.169 min Scan# 592
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion: 70 Resp: 17942

Ion	Ratio	Lower	Upper
70	100		
130	18.9	16.2	24.4
101	10.0	7.6	11.4

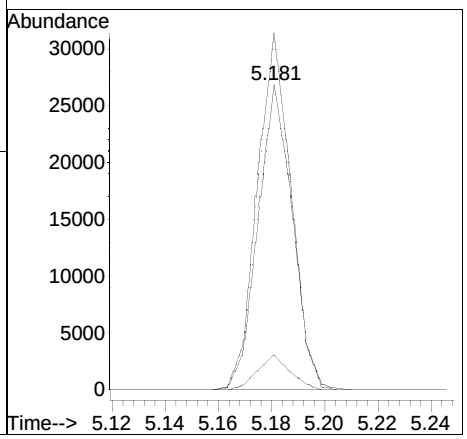


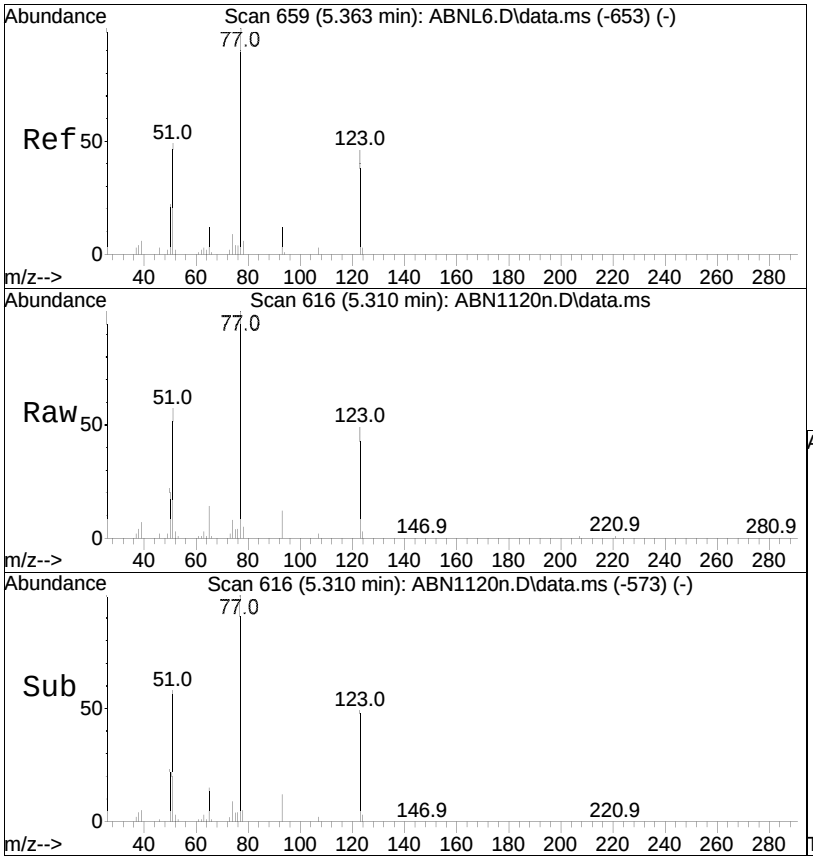


#18
3-Methylphenol/4-Methylphenol
Concen: 4.73 ug/ml
RT: 5.181 min Scan# 594
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:108 Resp: 24110

Ion	Ratio	Lower	Upper
108	100		
107	114.6	88.8	133.2
90	10.9	9.0	13.6

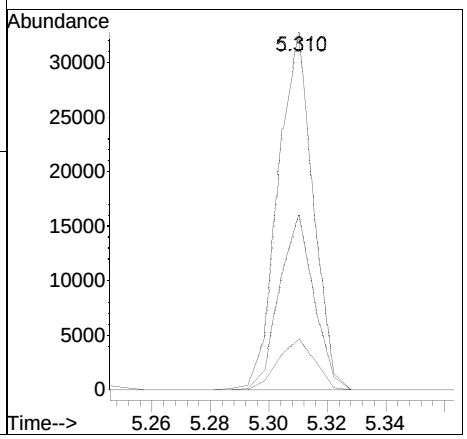


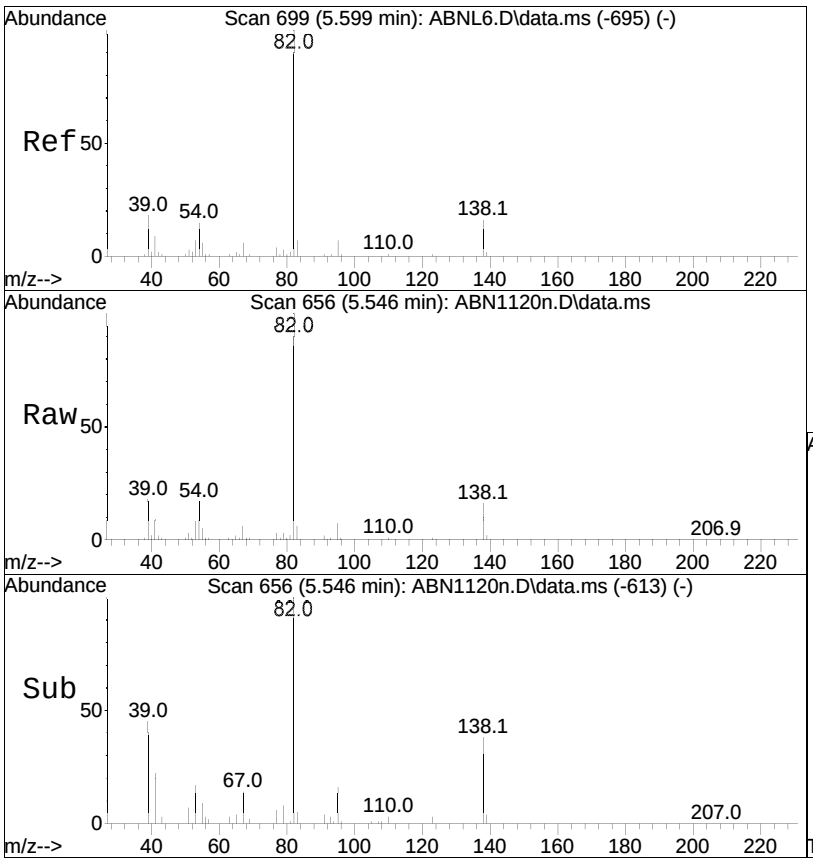


#20
Nitrobenzene
Concen: 4.73 ug/ml
RT: 5.310 min Scan# 616
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion: 77 Resp: 27065

Ion	Ratio	Lower	Upper
77	100		
123	48.3	37.3	55.9
65	15.0	10.9	16.3

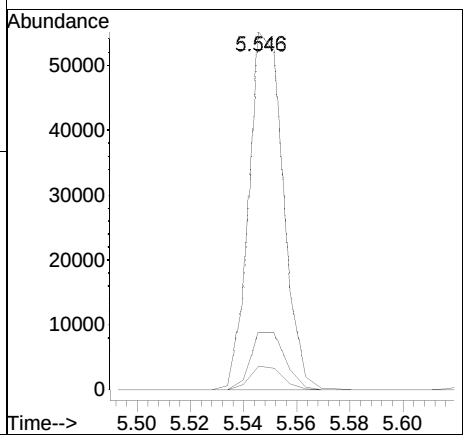


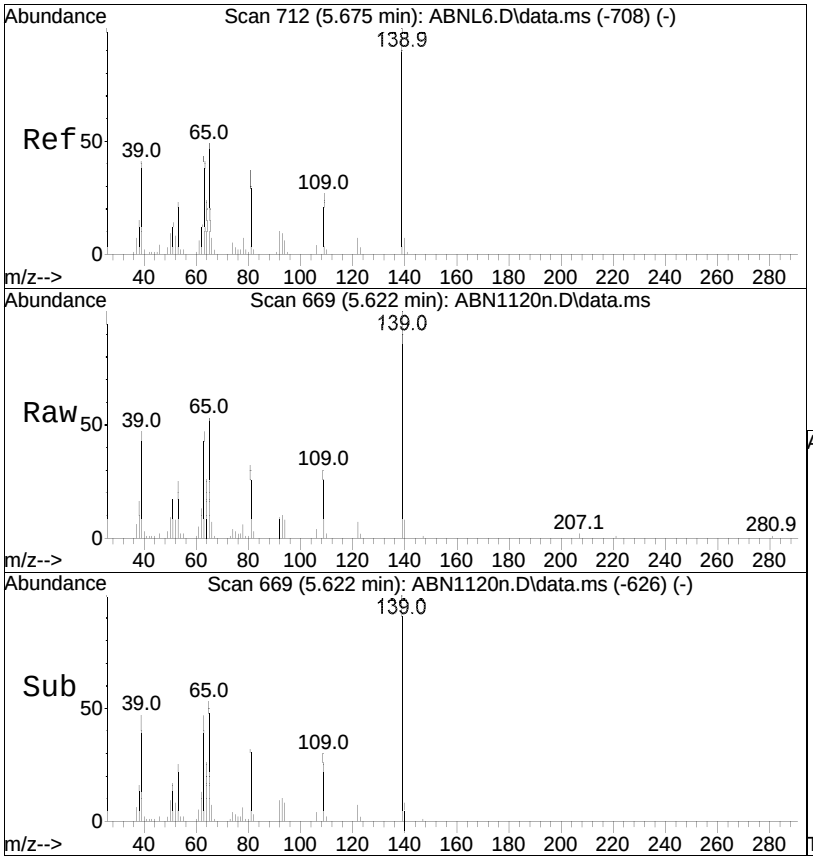


#21
Isophorone
Concen: 4.75 ug/ml
RT: 5.546 min Scan# 656
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion: 82 Resp: 49064

Ion	Ratio	Lower	Upper
82	100		
138	16.2	13.0	19.4
95	6.3	5.5	8.3

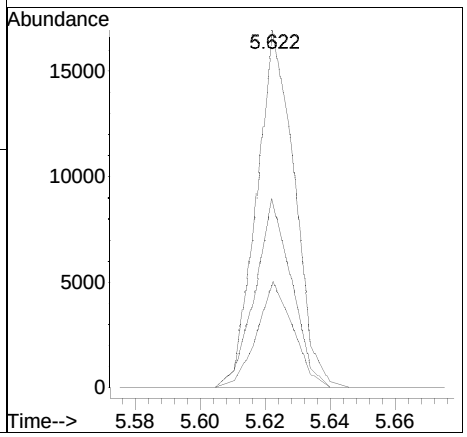


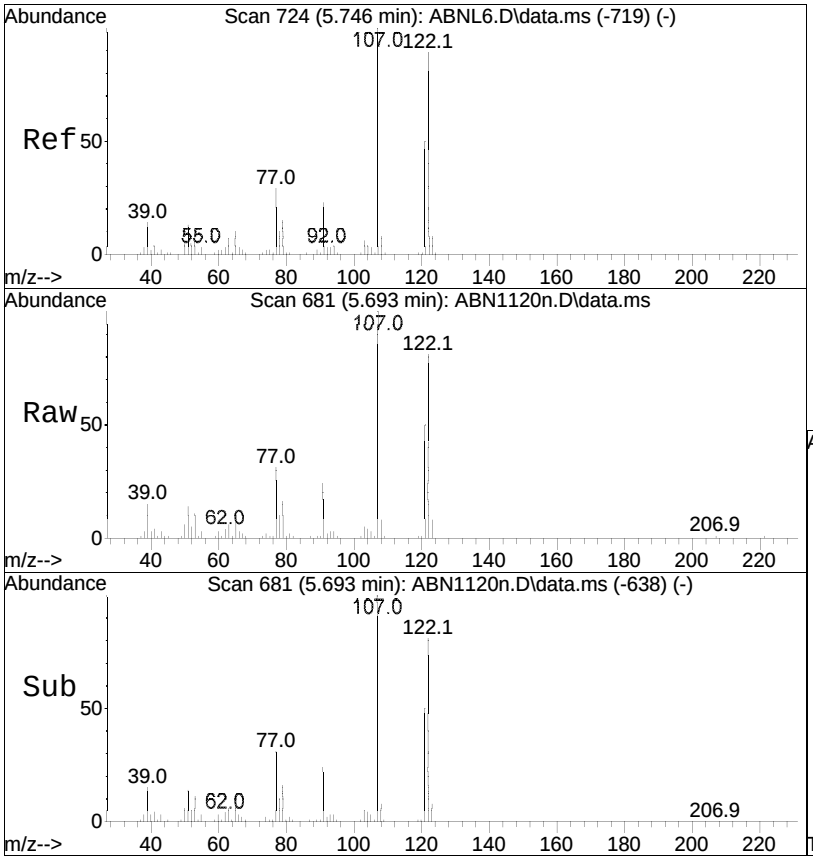


#22
2-Nitrophenol
Concen: 5.36 ug/ml
RT: 5.622 min Scan# 669
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:139 Resp: 13660

Ion	Ratio	Lower	Upper
139	100		
109	28.5	23.1	34.7
65	51.3	41.4	62.2

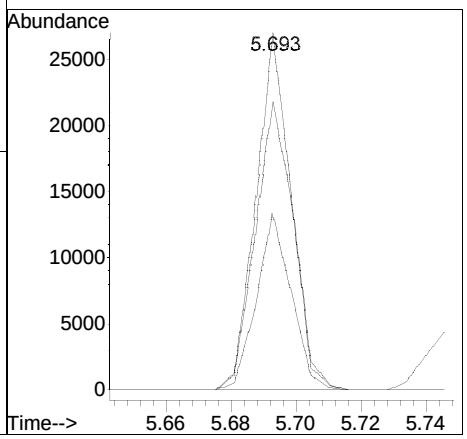


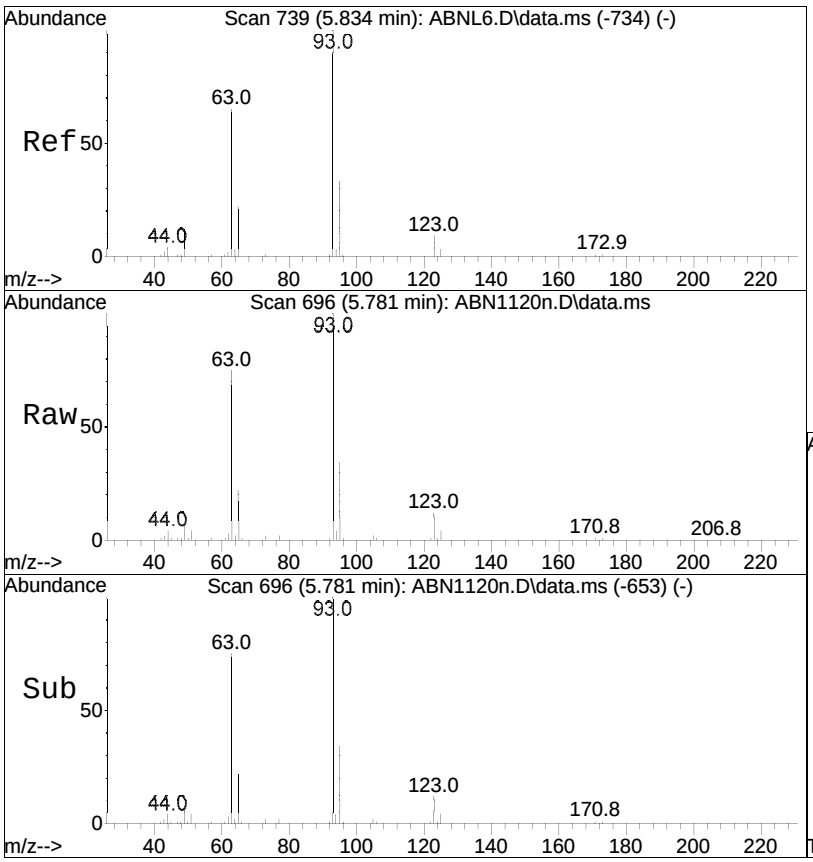


#23
2,4-Dimethylphenol
Concen: 4.15 ug/ml
RT: 5.693 min Scan# 681
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:107 Resp: 20267

Ion	Ratio	Lower	Upper
107	100		
121	48.8	41.3	61.9
122	86.6	69.3	103.9

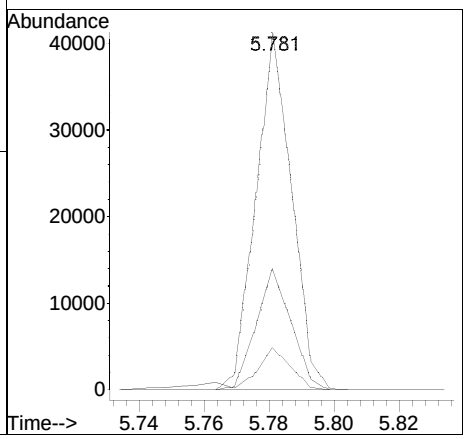


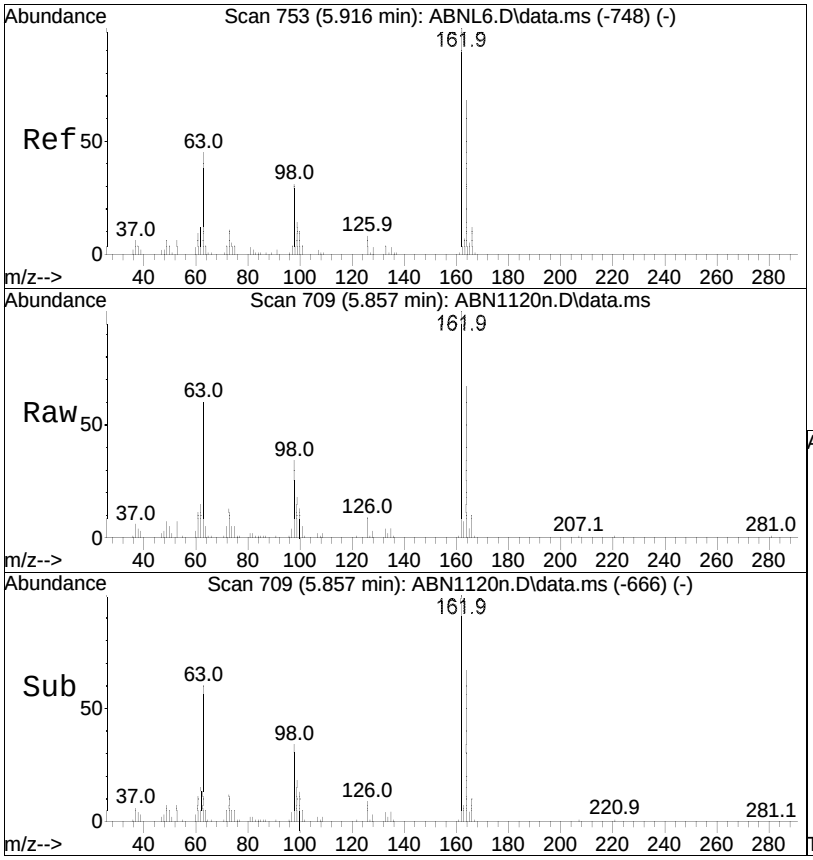


#24
Bis(2-chloroethoxy)methane
Concen: 4.48 ug/ml
RT: 5.781 min Scan# 696
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion: 93 Resp: 31162

Ion	Ratio	Lower	Upper
93	100		
95	33.5	25.8	38.8
123	13.7	9.6	14.4

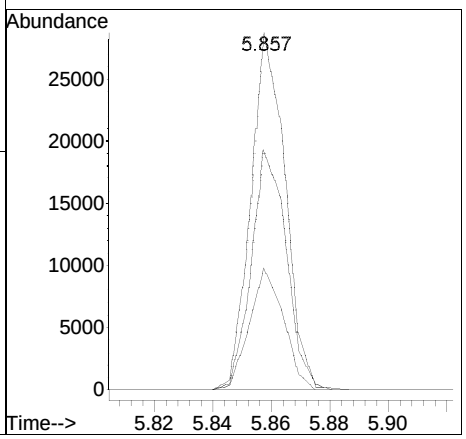


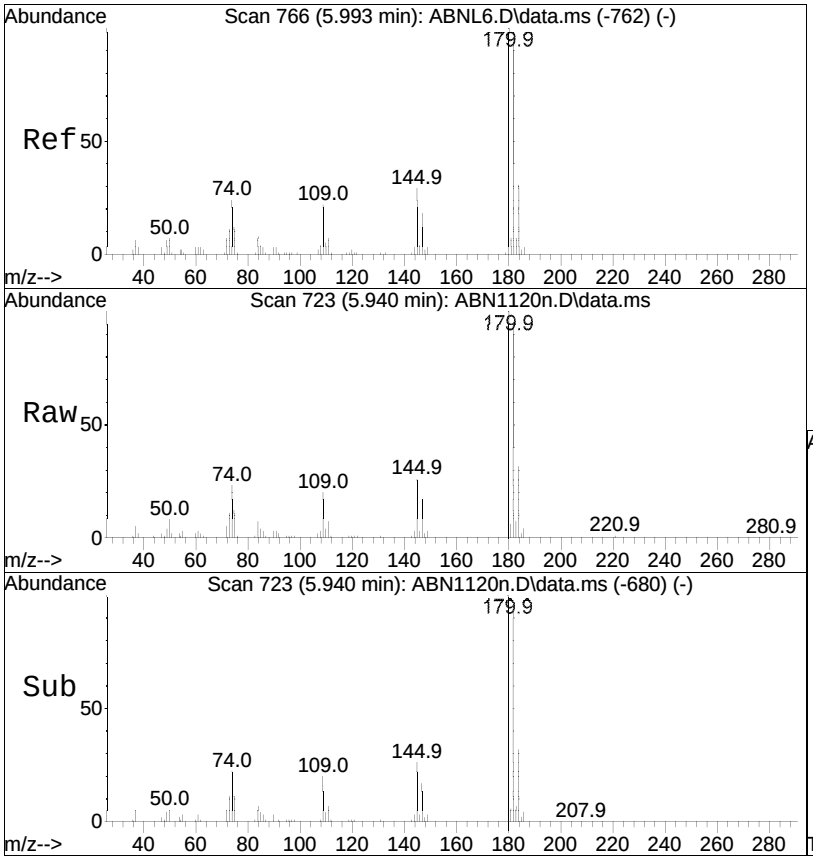


#25
2,4-Dichlorophenol
Concen: 4.56 ug/ml
RT: 5.857 min Scan# 709
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:162 Resp: 23316

Ion	Ratio	Lower	Upper
162	100		
164	68.6	51.1	76.7
98	34.0	32.2	48.2

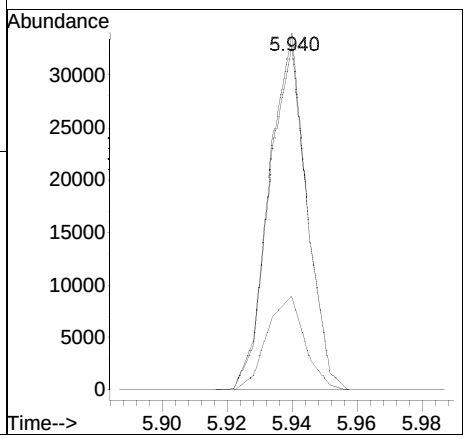


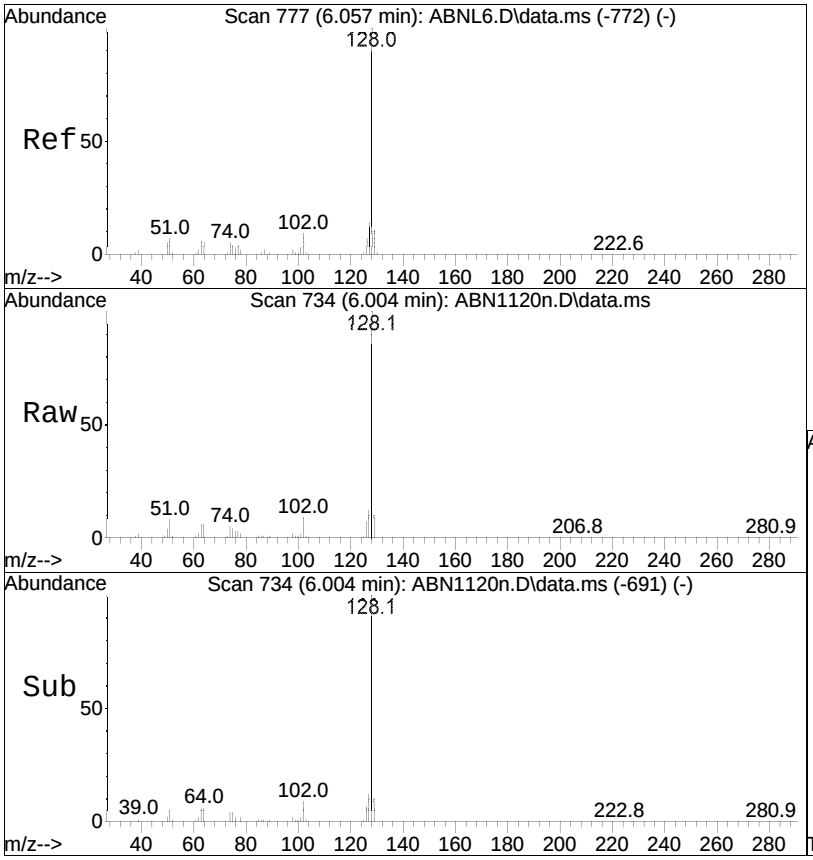


#26
1,2,4-Trichlorobenzene
Concen: 4.22 ug/ml
RT: 5.940 min Scan# 723
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:180 Resp: 27291

Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.8	113.8
145	26.5	26.3	39.5

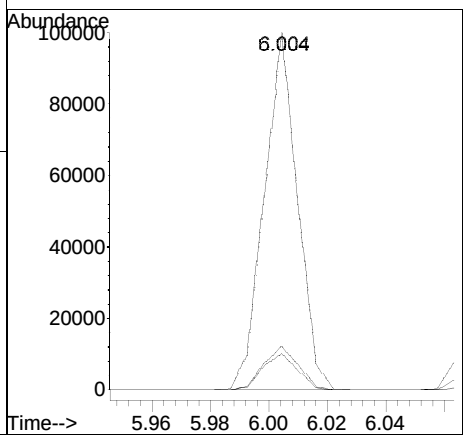


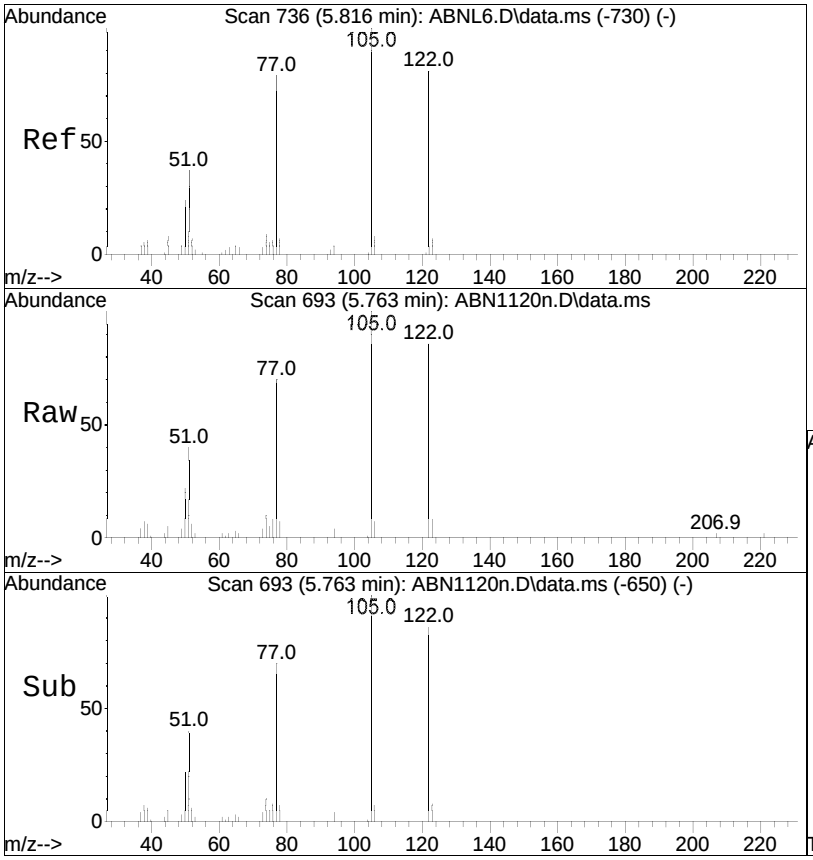


#36
Naphthalene
Concen: 4.63 ug/ml
RT: 6.004 min Scan# 734
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:128 Resp: 77992

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.0	10.6	15.8

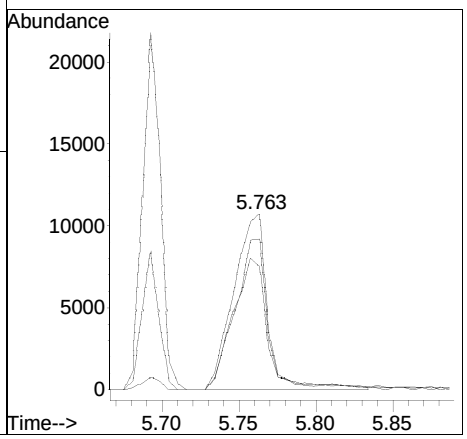


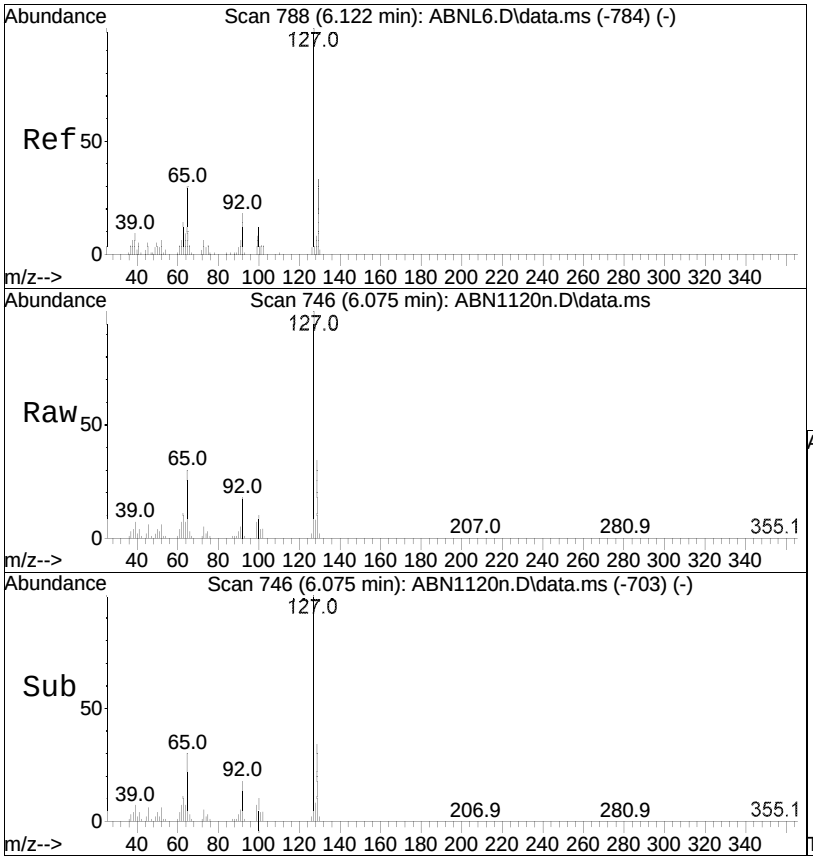


#37
Benzoic Acid
Concen: 5.48 ug/ml
RT: 5.763 min Scan# 693
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:105 Resp: 16639

Ion	Ratio	Lower	Upper
105	100		
122	84.5	62.6	93.8
77	72.6	59.1	88.7

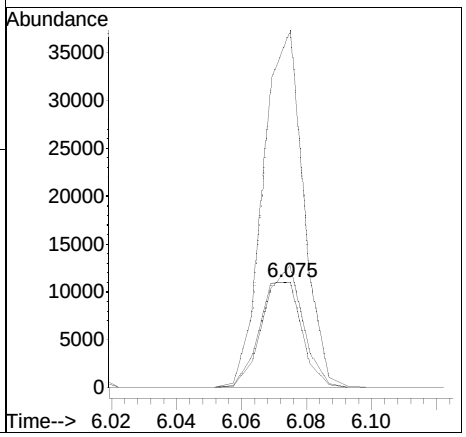


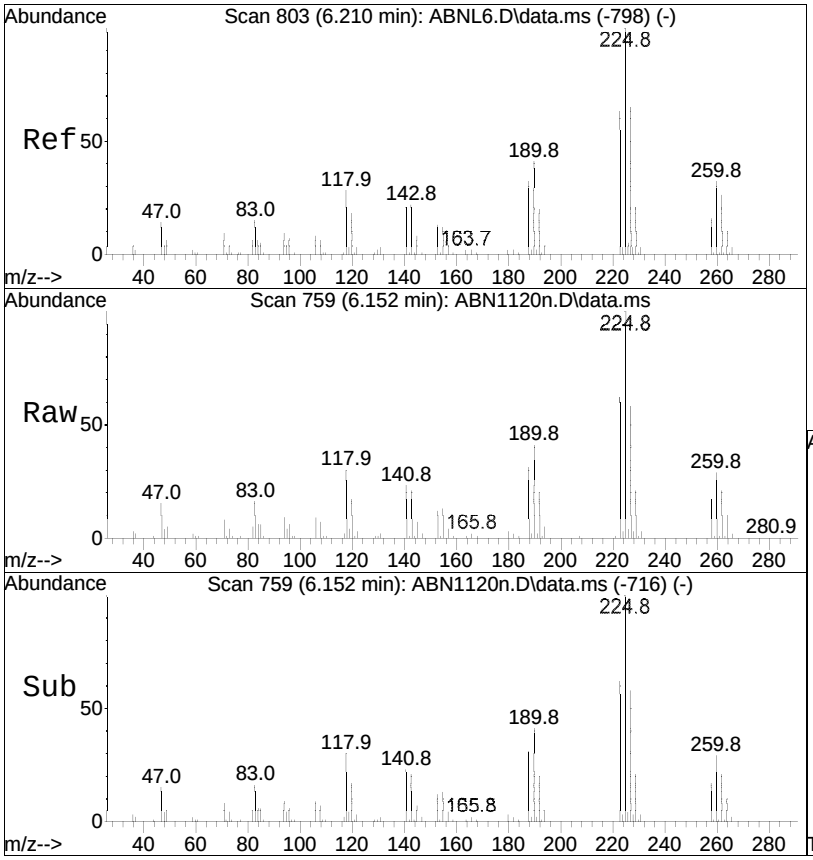


#38
4-Chloroaniline
Concen: 5.27 ug/ml
RT: 6.075 min Scan# 746
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion: 65 Resp: 9985

Ion	Ratio	Lower	Upper
65	100		
127	319.6	266.2	399.4
129	106.6	85.0	127.4

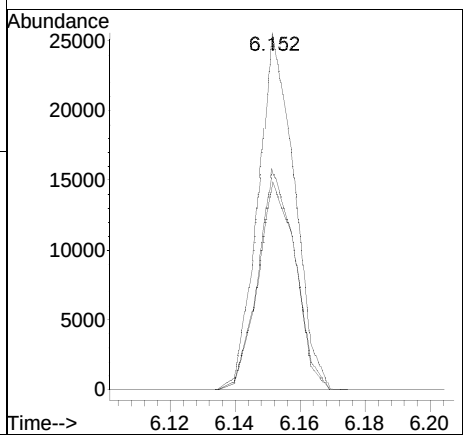


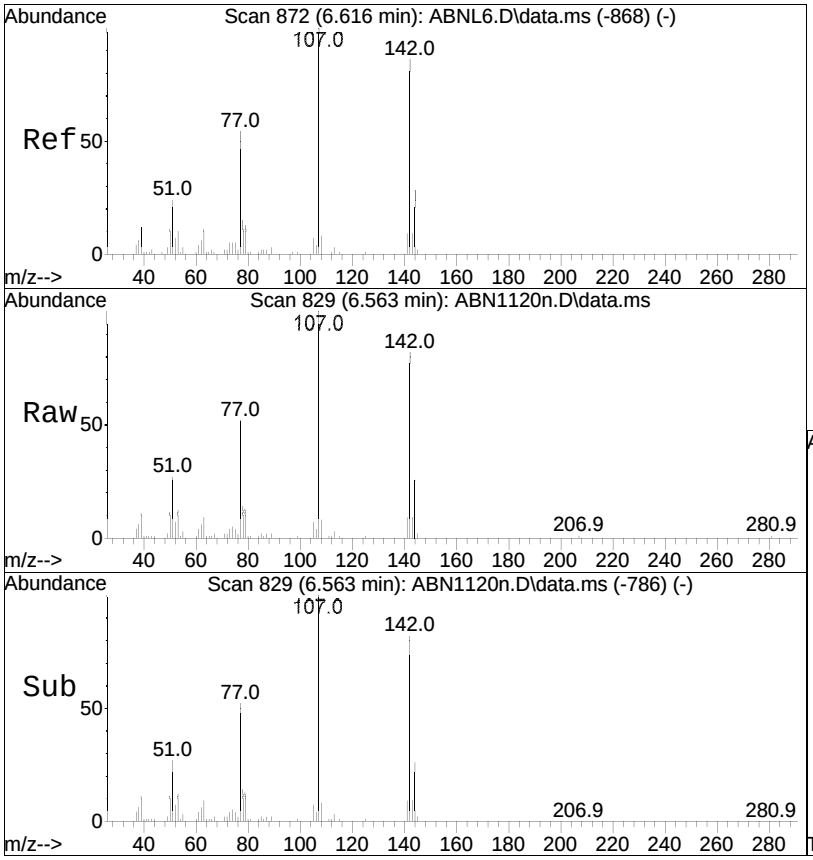


#39
Hexachlorobutadiene
Concen: 5.02 ug/ml
RT: 6.152 min Scan# 759
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:225 Resp: 19842

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.5	75.7
227	60.8	50.4	75.6

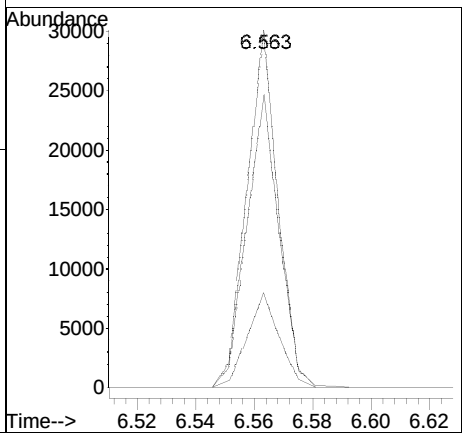


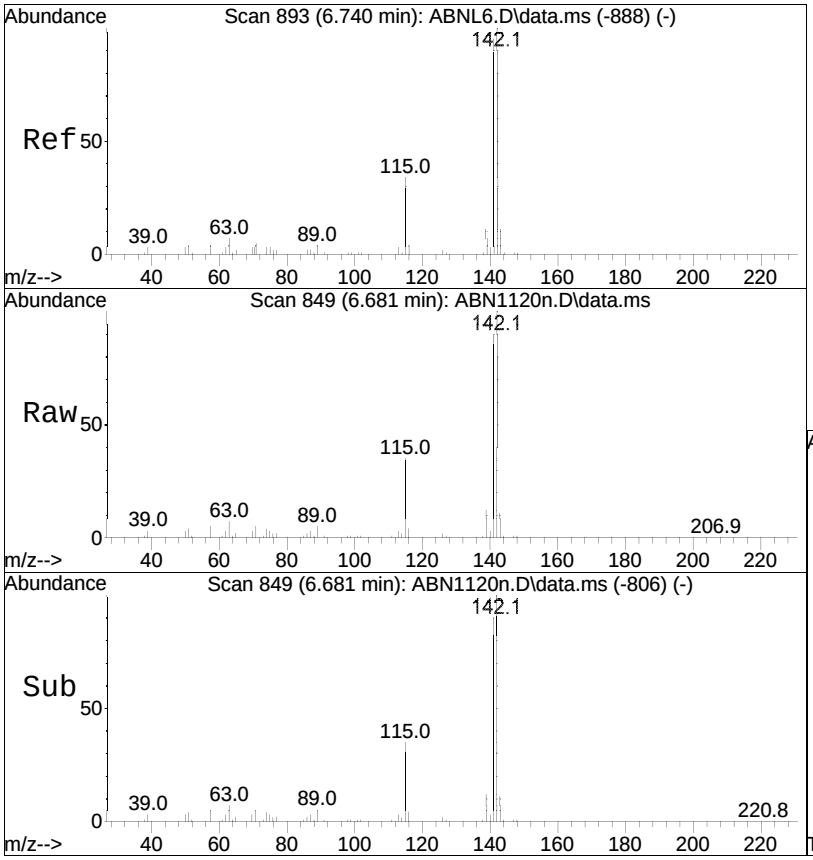


#40
p-Chloro-m-cresol
Concen: 4.98 ug/ml
RT: 6.563 min Scan# 829
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:107 Resp: 22149

Ion	Ratio	Lower	Upper
107	100		
144	27.3	20.3	30.5
142	84.6	63.8	95.6

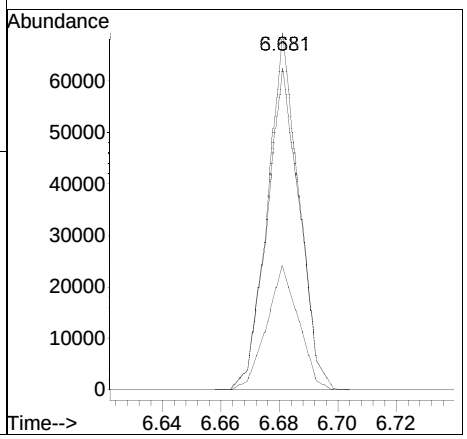


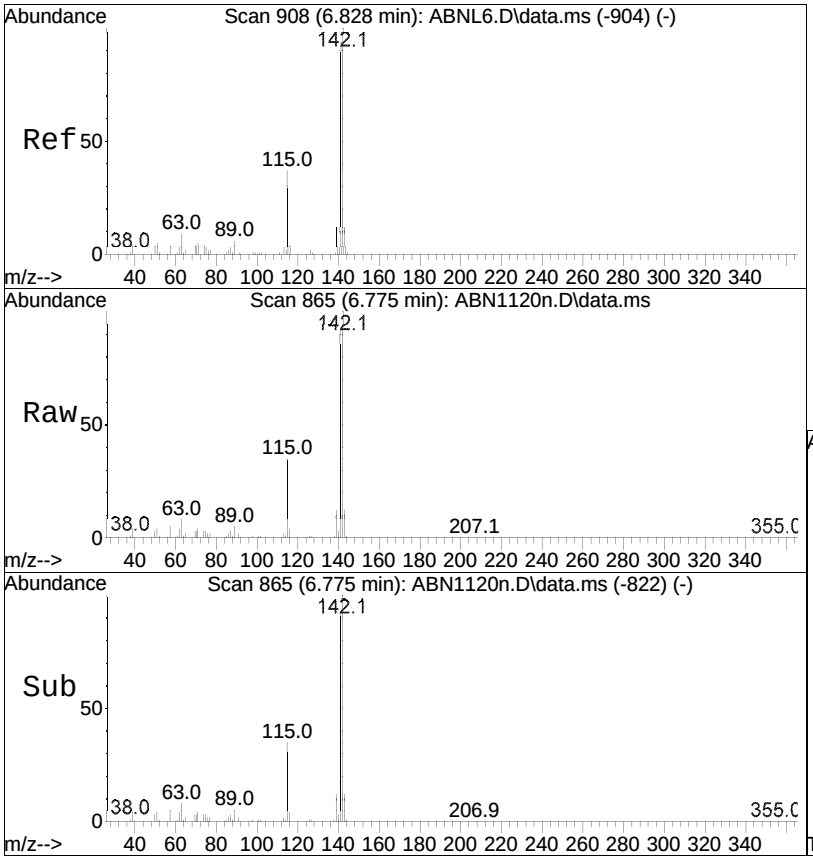


#41
2-Methylnaphthalene
Concen: 4.52 ug/ml
RT: 6.681 min Scan# 849
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:142 Resp: 51791

Ion	Ratio	Lower	Upper
142	100		
141	93.5	72.2	108.4
115	35.5	27.8	41.6

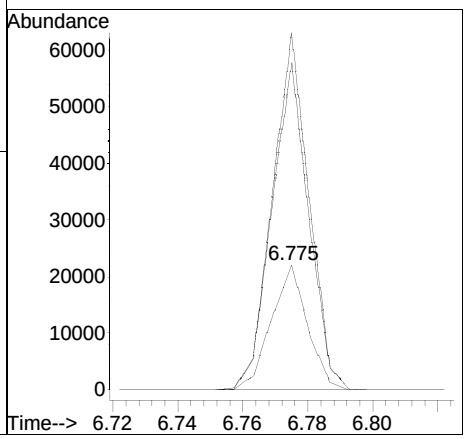


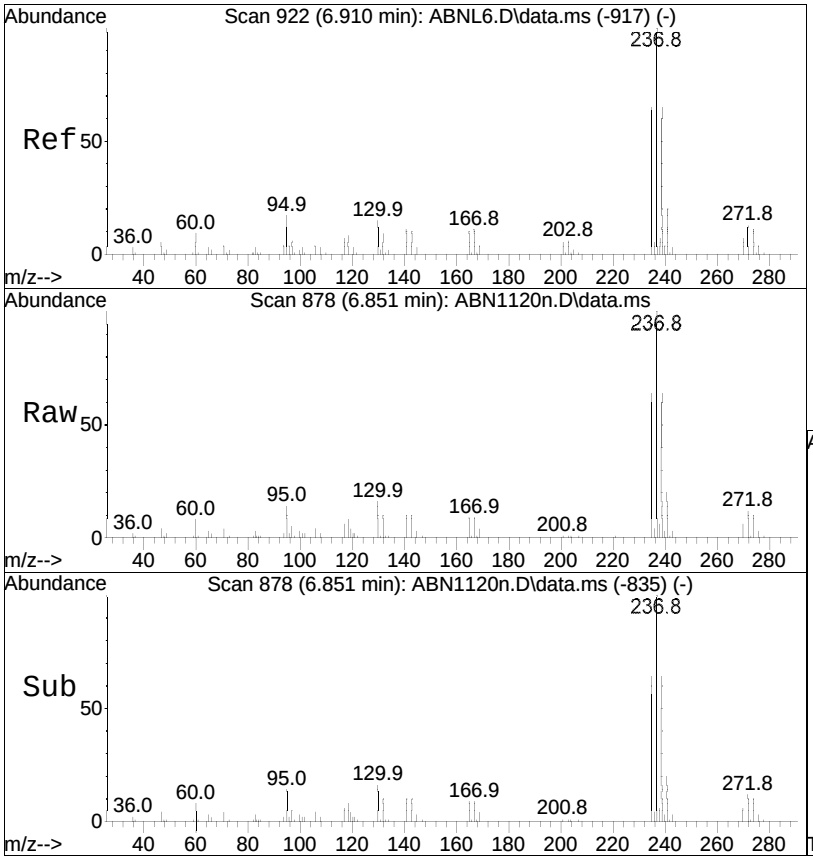


#42
1-Methylnaphthalene
Concen: 4.33 ug/ml
RT: 6.775 min Scan# 865
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:115 Resp: 17053

Ion	Ratio	Lower	Upper
115	100		
141	265.8	205.4	308.2
142	288.0	220.2	330.4

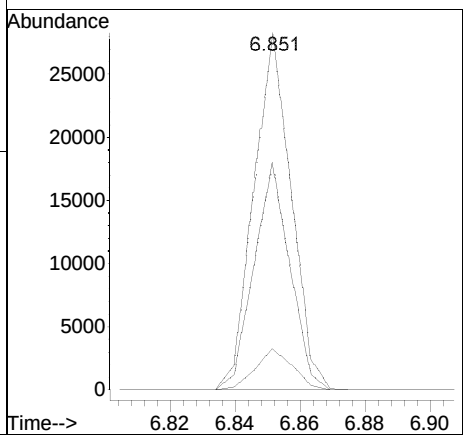


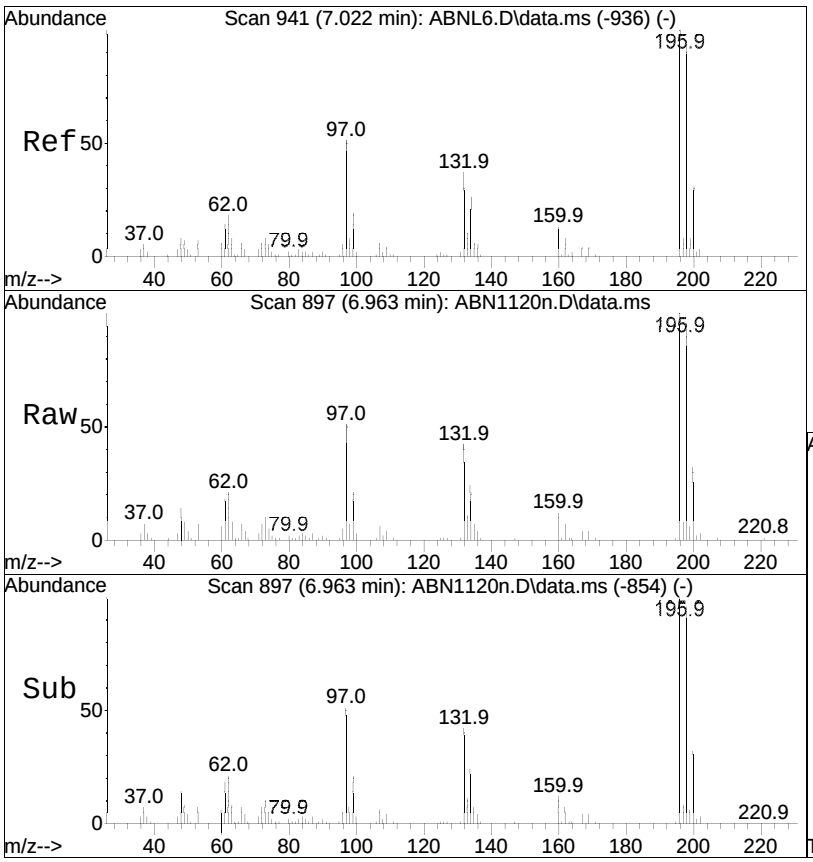


#43
Hexachlorocyclopentadiene
Concen: 5.58 ug/ml
RT: 6.851 min Scan# 878
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:237 Resp: 22478

Ion	Ratio	Lower	Upper
237	100		
235	61.2	50.9	76.3
272	11.6	10.1	15.1

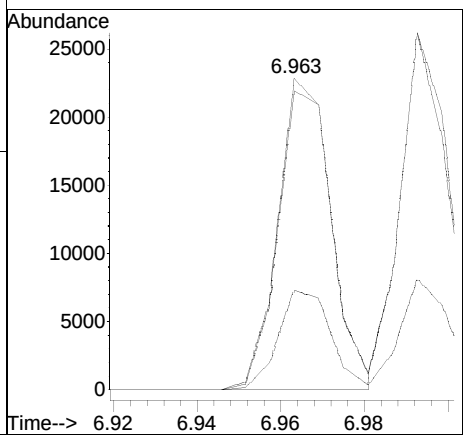


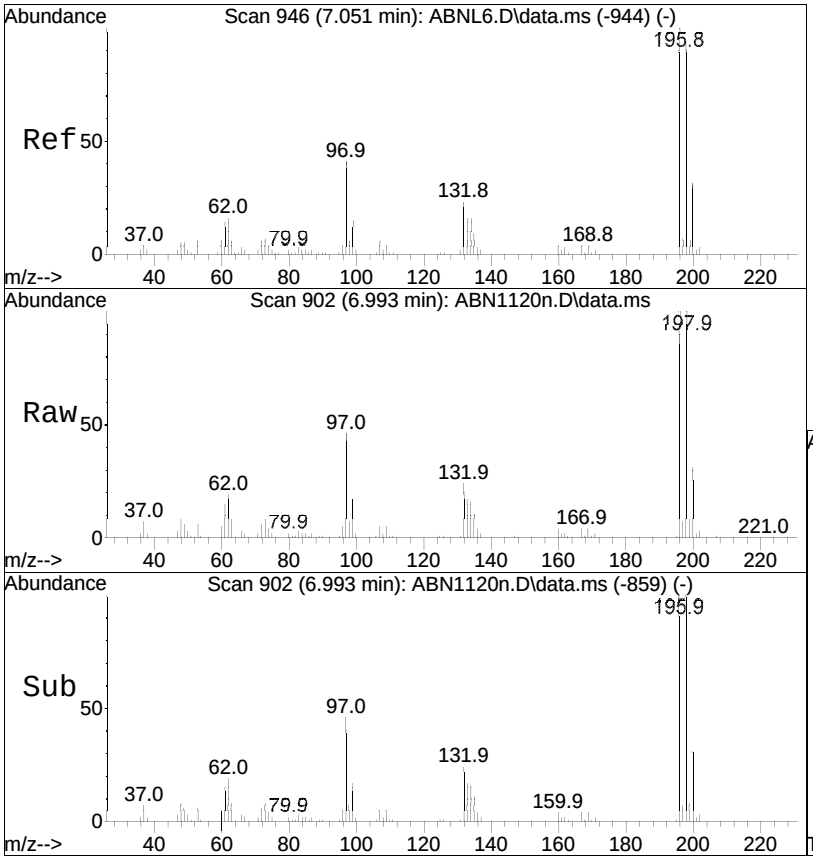


#44
2,4,6-Trichlorophenol
Concen: 4.89 ug/ml
RT: 6.963 min Scan# 897
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:196 Resp: 20149

Ion	Ratio	Lower	Upper
196	100		
198	97.6	76.4	114.6
200	31.8	24.4	36.6

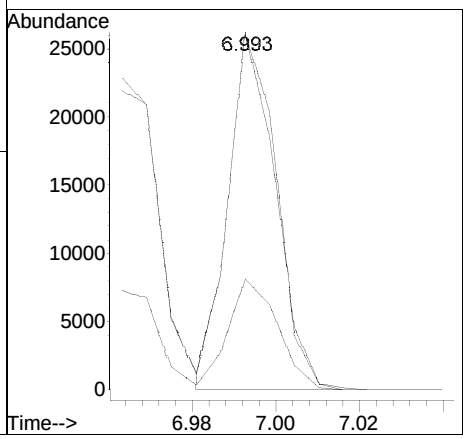


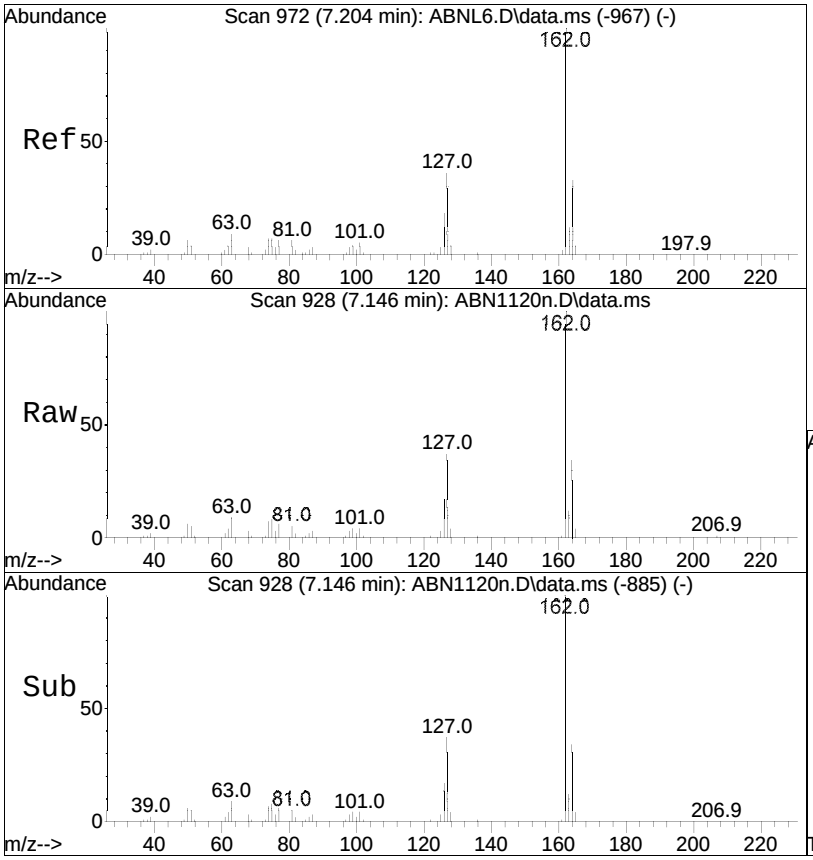


#45
2,4,5-Trichlorophenol
Concen: 4.97 ug/ml
RT: 6.993 min Scan# 902
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:196 Resp: 20934

Ion	Ratio	Lower	Upper
196	100		
200	32.0	24.2	36.4
198	98.2	76.2	114.2

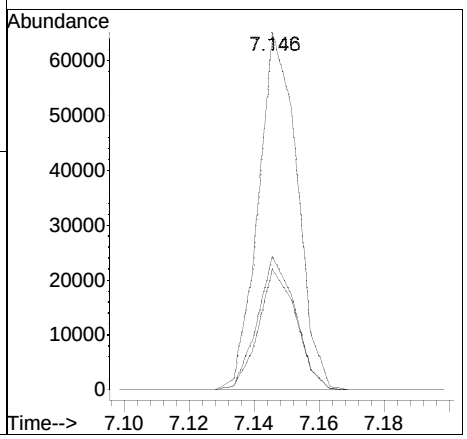


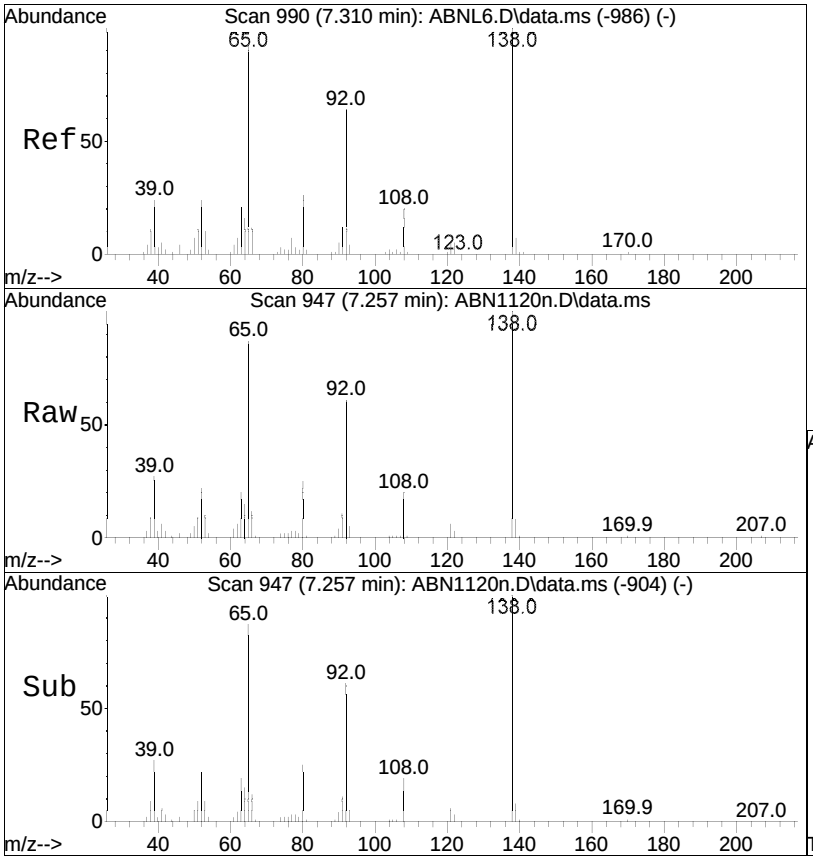


#47
2-Chloronaphthalene
Concen: 4.38 ug/ml
RT: 7.146 min Scan# 928
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:162 Resp: 53408

Ion	Ratio	Lower	Upper
162	100		
127	36.9	33.8	50.6
164	33.3	25.8	38.6

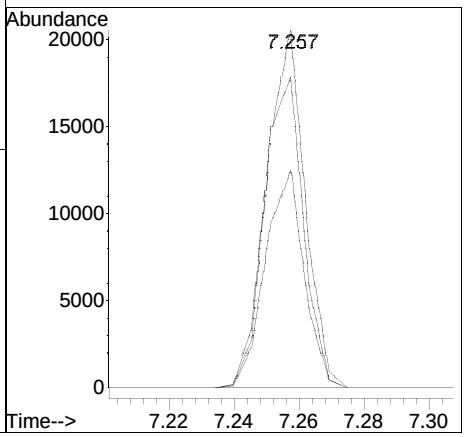


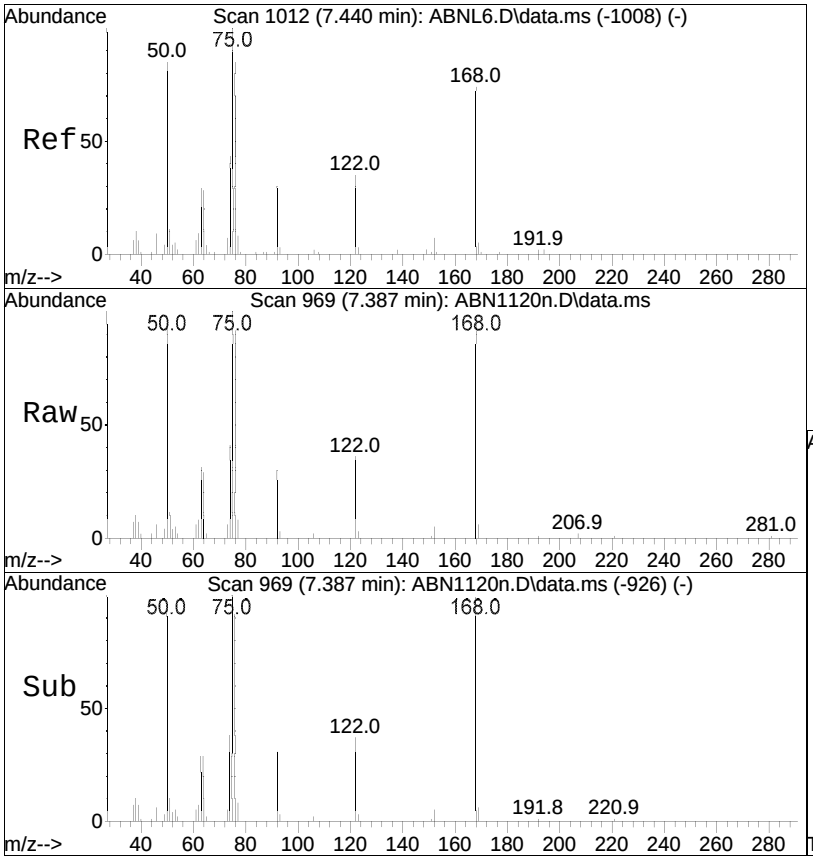


#48
2-Nitroaniline
Concen: 5.16 ug/ml
RT: 7.257 min Scan# 947
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:138 Resp: 16611

Ion	Ratio	Lower	Upper
138	100		
92	62.0	52.1	78.1
65	90.3	75.9	113.9

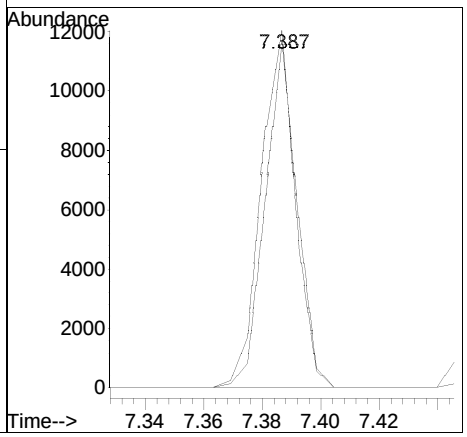


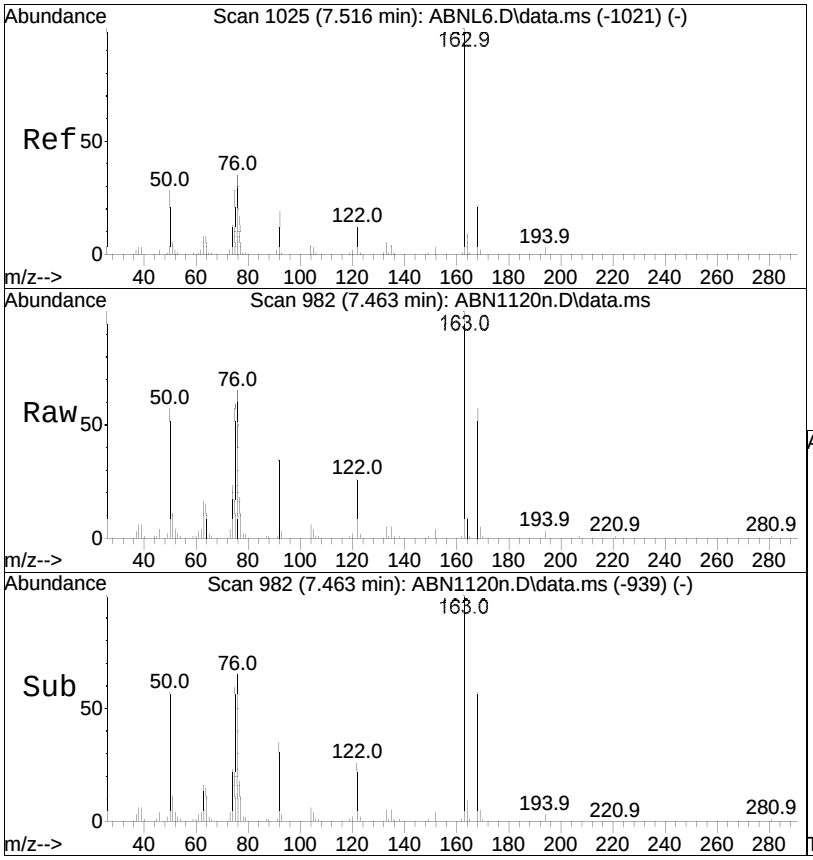


#49
1,4-Dinitrobenzene
Concen: 5.56 ug/ml M3
RT: 7.387 min Scan# 969
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:168 Resp: 8788

Ion	Ratio	Lower	Upper
168	100		
75	135.2	111.0	166.4

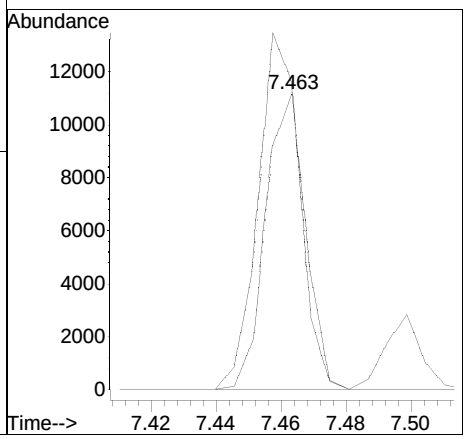


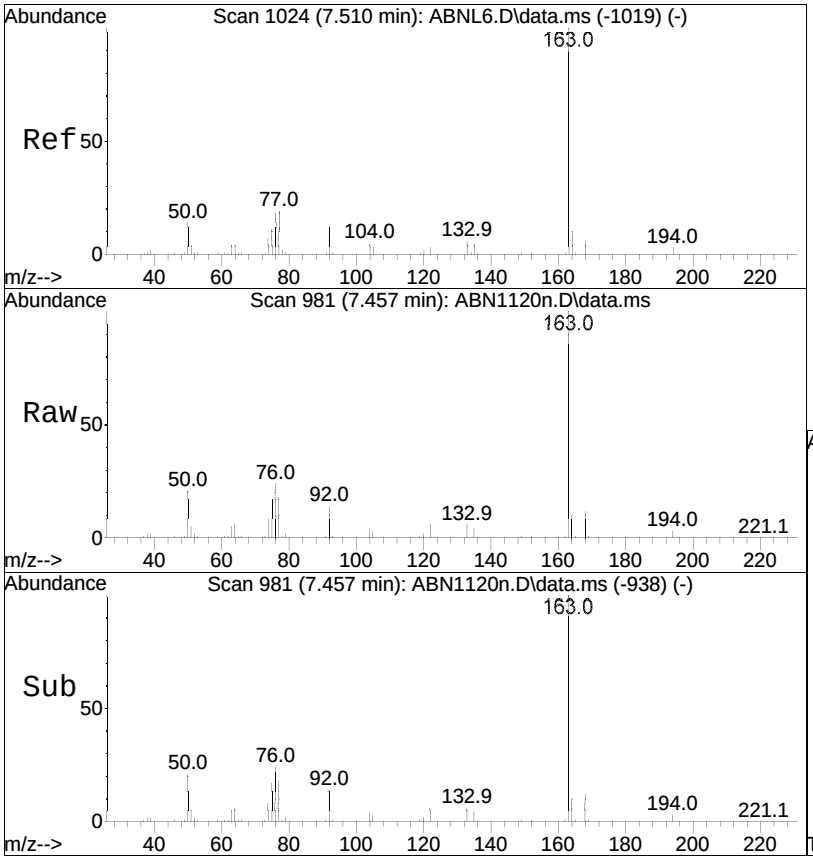


#50
1,3-Dinitrobenzene
Concen: 5.19 ug/ml
RT: 7.463 min Scan# 982
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:168 Resp: 9510

Ion	Ratio	Lower	Upper
168	100		
75	124.9	116.4	174.6

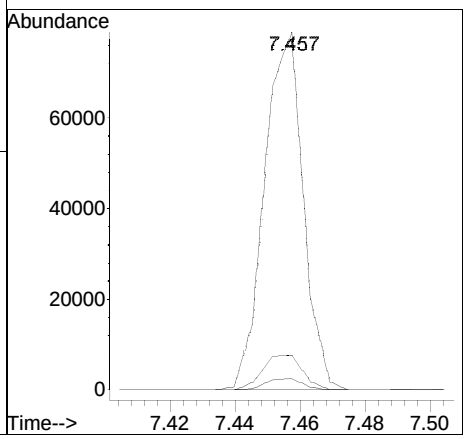


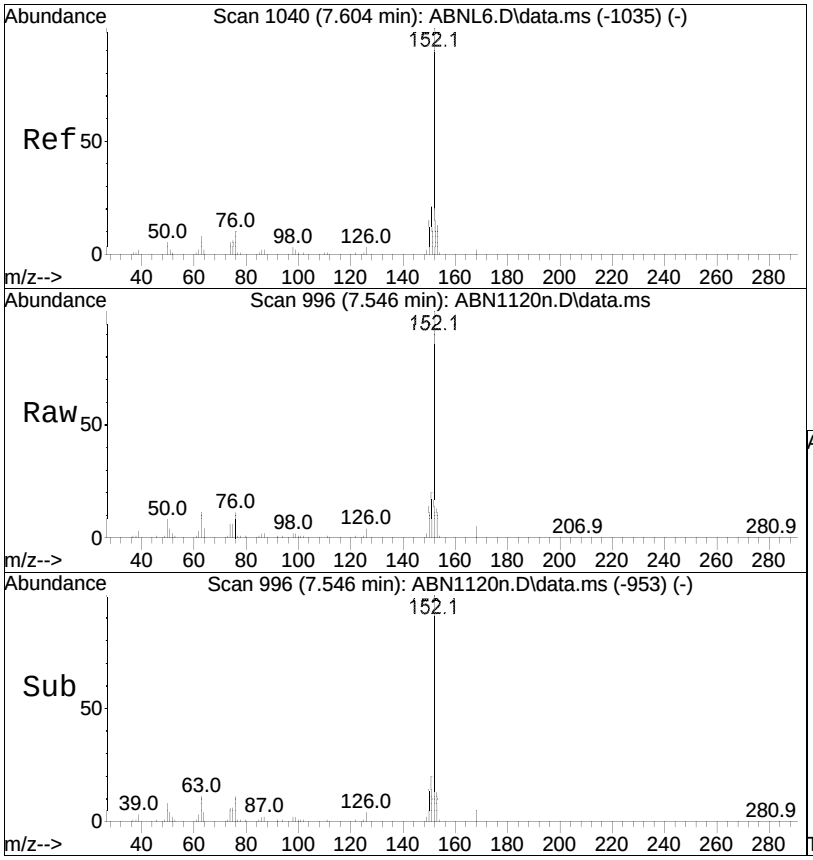


#51
Dimethyl phthalate
Concen: 4.36 ug/ml
RT: 7.457 min Scan# 981
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:163 Resp: 64605

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.3	3.5
164	10.2	8.2	12.2

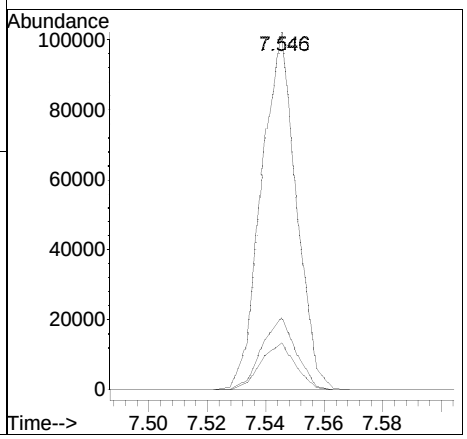


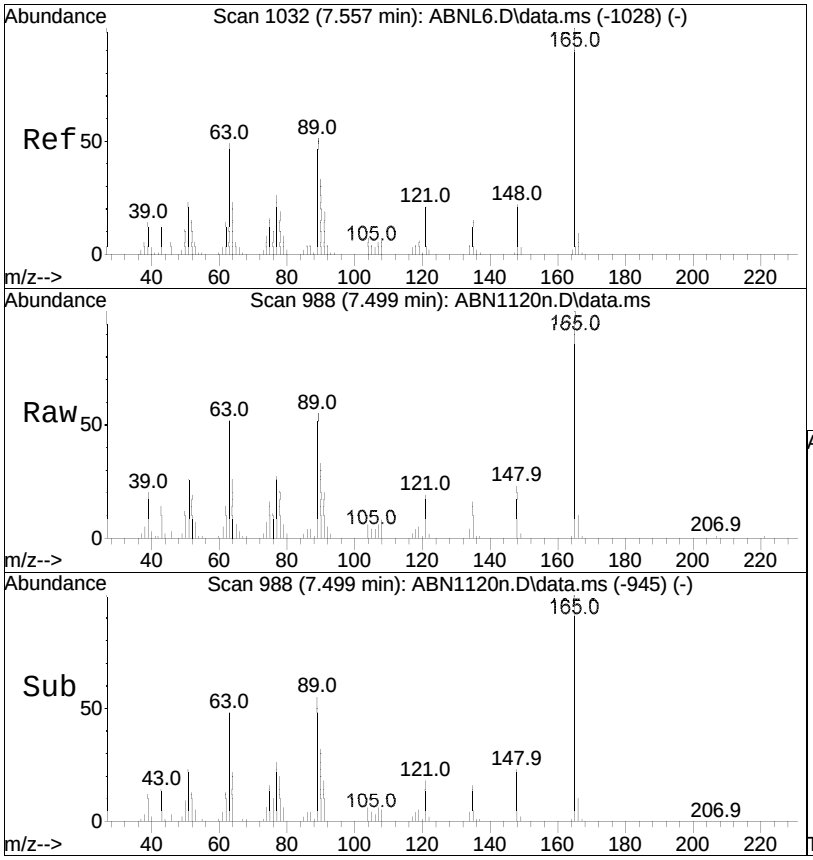


#52
Acenaphthylene
Concen: 4.65 ug/ml
RT: 7.546 min Scan# 996
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:152 Resp: 83673

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.1	10.5	15.7

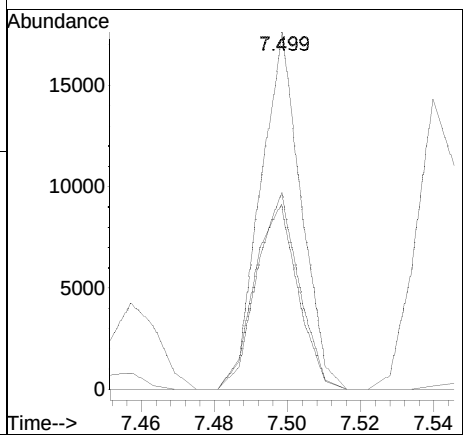


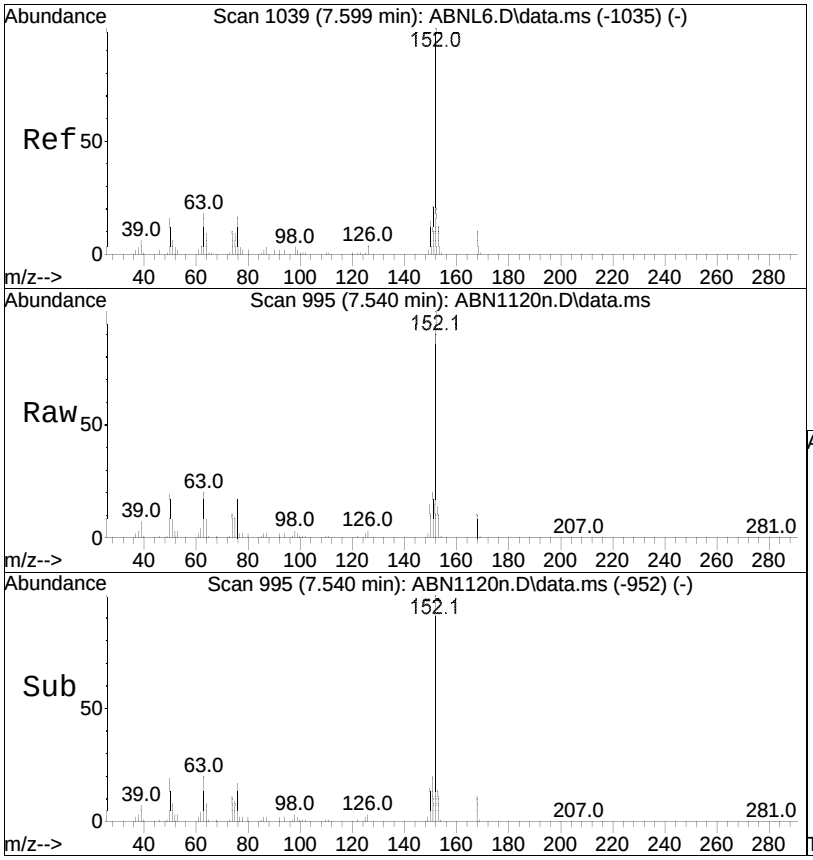


#53
2,6-Dinitrotoluene
Concen: 4.91 ug/ml
RT: 7.499 min Scan# 988
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:165 Resp: 13614

Ion	Ratio	Lower	Upper
165	100		
89	56.9	48.8	73.2
63	55.7	50.5	75.7

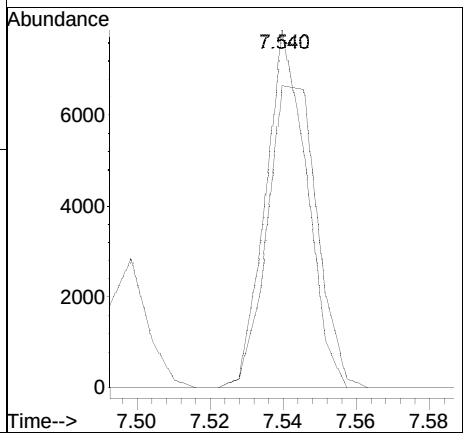


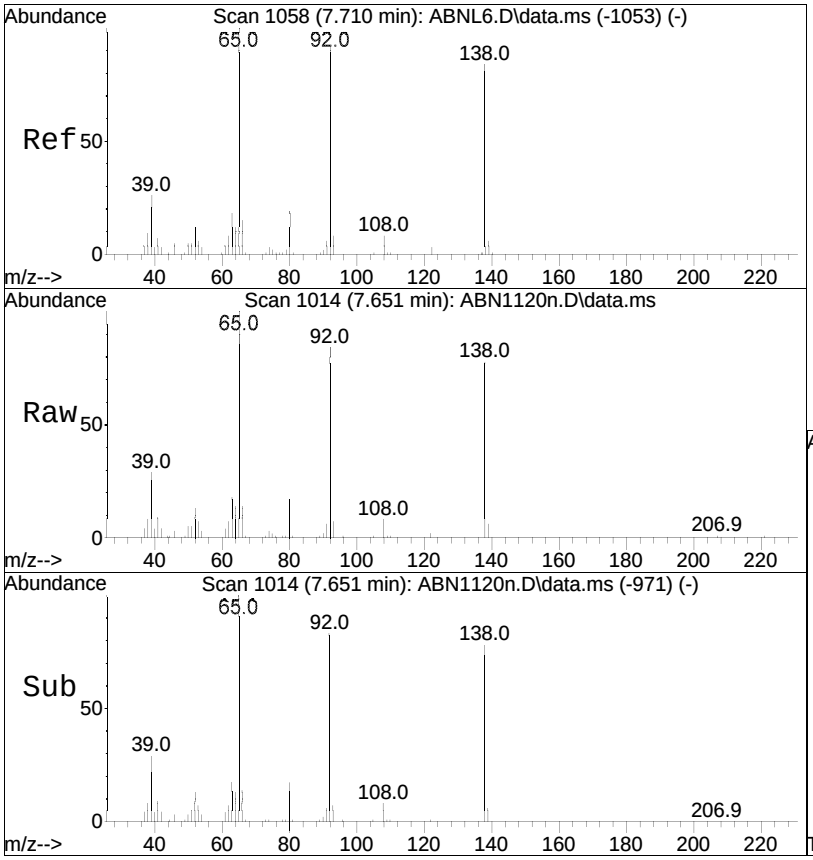


#54
1,2-Dinitrobenzene
Concen: 5.05 ug/ml
RT: 7.540 min Scan# 995
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:168 Resp: 6159

Ion	Ratio	Lower	Upper
168	100		
75	102.2	32.2	48.2#

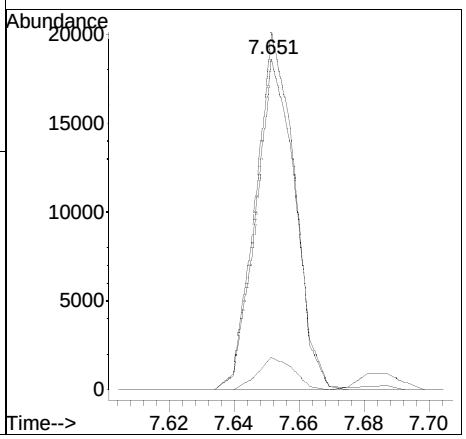


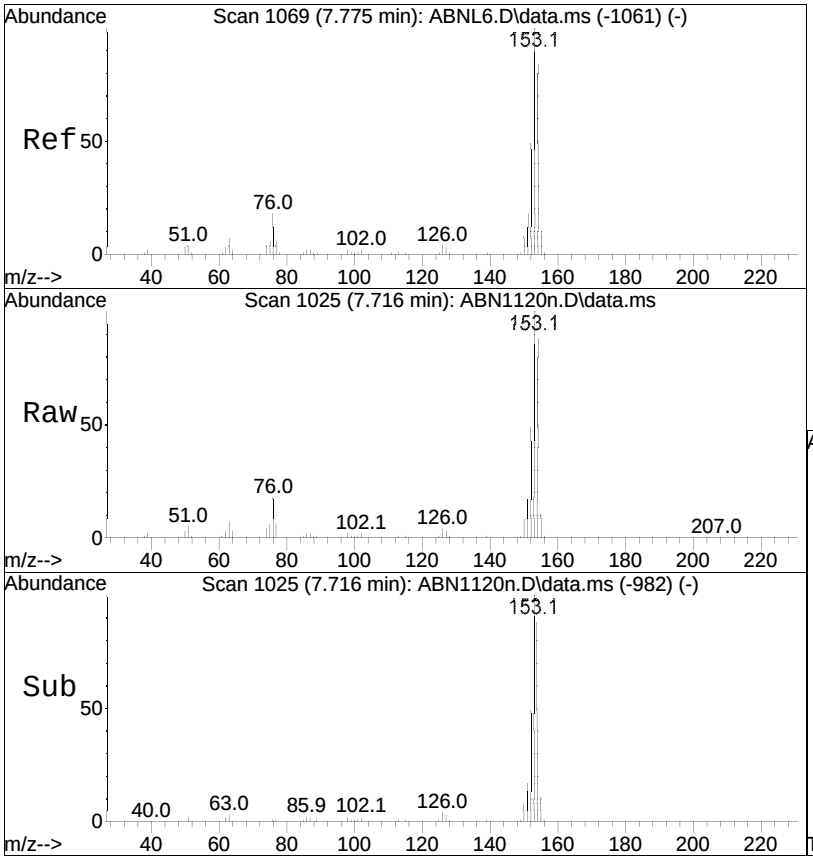


#64
3-Nitroaniline
Concen: 5.29 ug/ml
RT: 7.651 min Scan# 1014
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:138 Resp: 15437

Ion	Ratio	Lower	Upper
138	100		
92	108.1	92.8	139.2
108	9.0	7.9	11.9

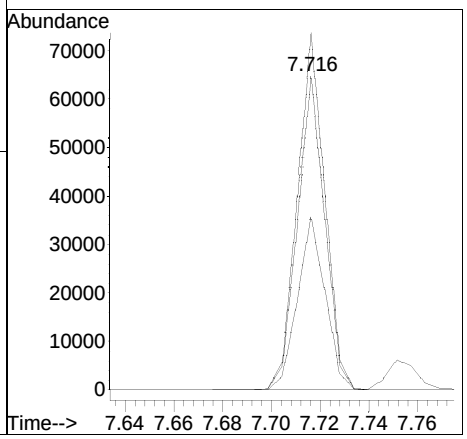


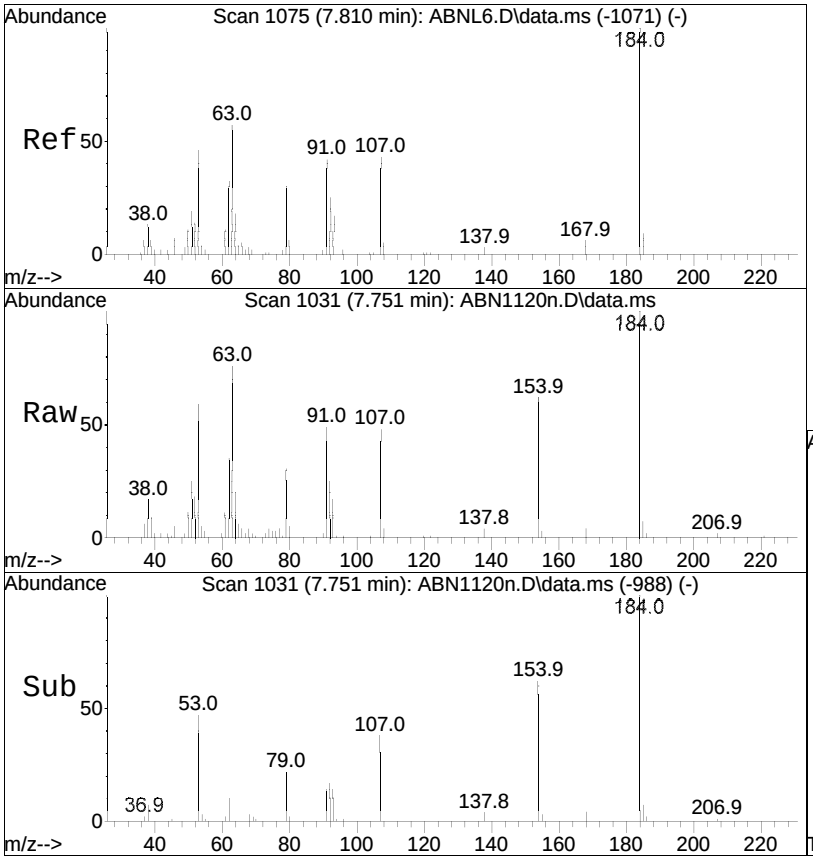


#65
Acenaphthene
Concen: 4.63 ug/ml
RT: 7.716 min Scan# 1025
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:154 Resp: 50394

Ion	Ratio	Lower	Upper
154	100		
153	114.2	93.0	139.4
152	56.0	43.3	64.9

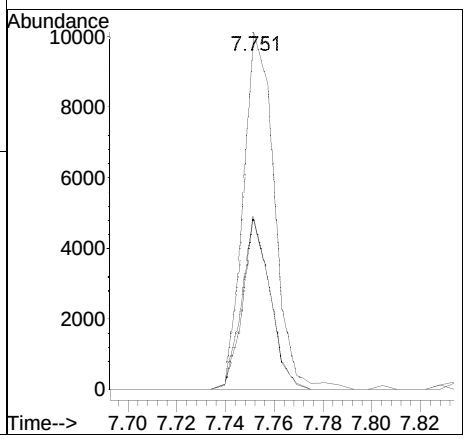


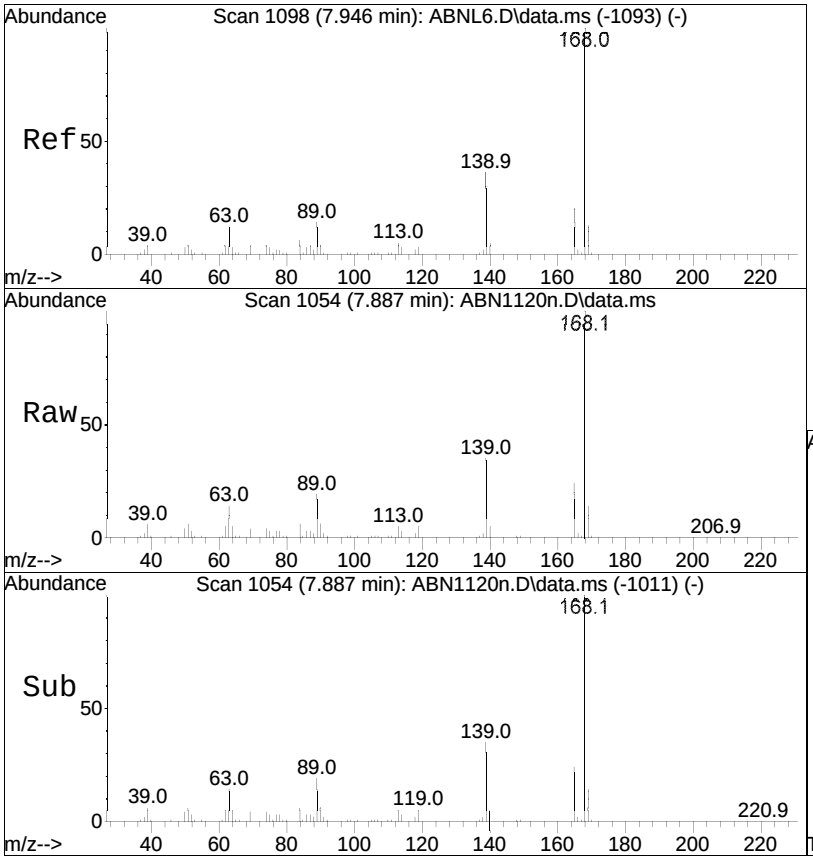


#66
2,4-Dinitrophenol
Concen: 5.61 ug/ml
RT: 7.751 min Scan# 1031
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:184 Resp: 8933

Ion	Ratio	Lower	Upper
184	100		
107	42.3	41.8	62.6
91	44.0	44.2	66.2#

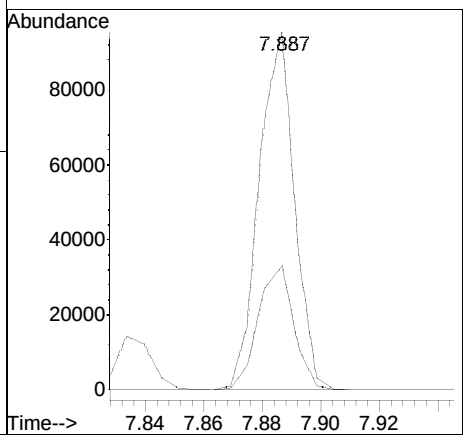


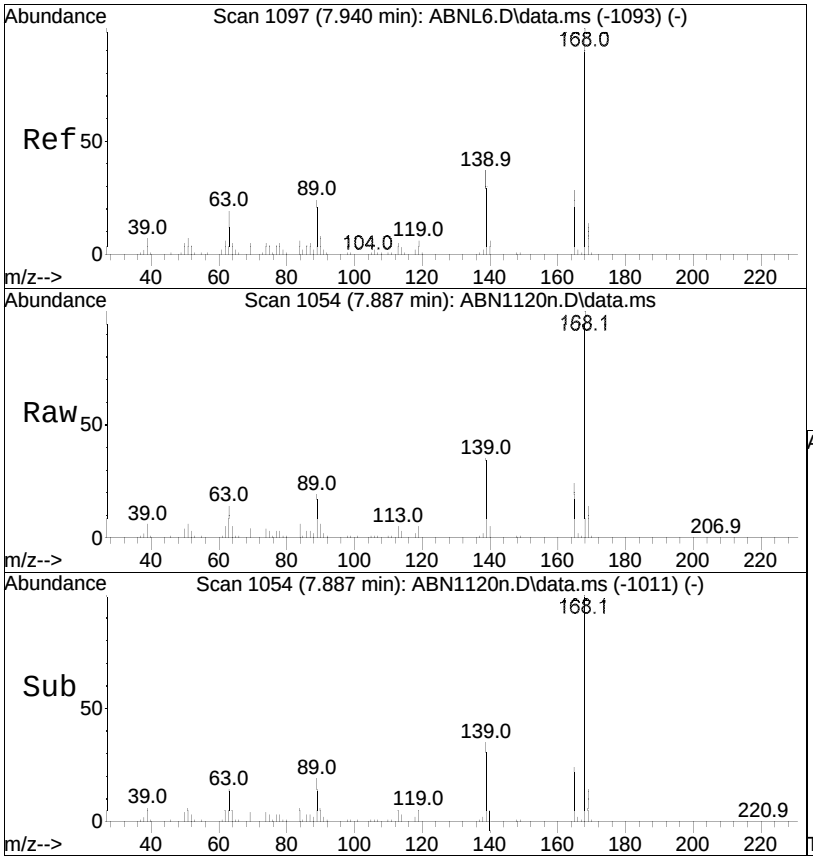


#67
Dibenzofuran
Concen: 4.43 ug/ml
RT: 7.887 min Scan# 1054
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:168 Resp: 79401

Ion	Ratio	Lower	Upper
168	100		
139	35.2	32.3	48.5

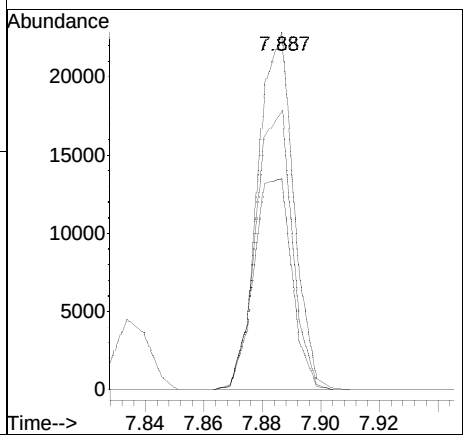


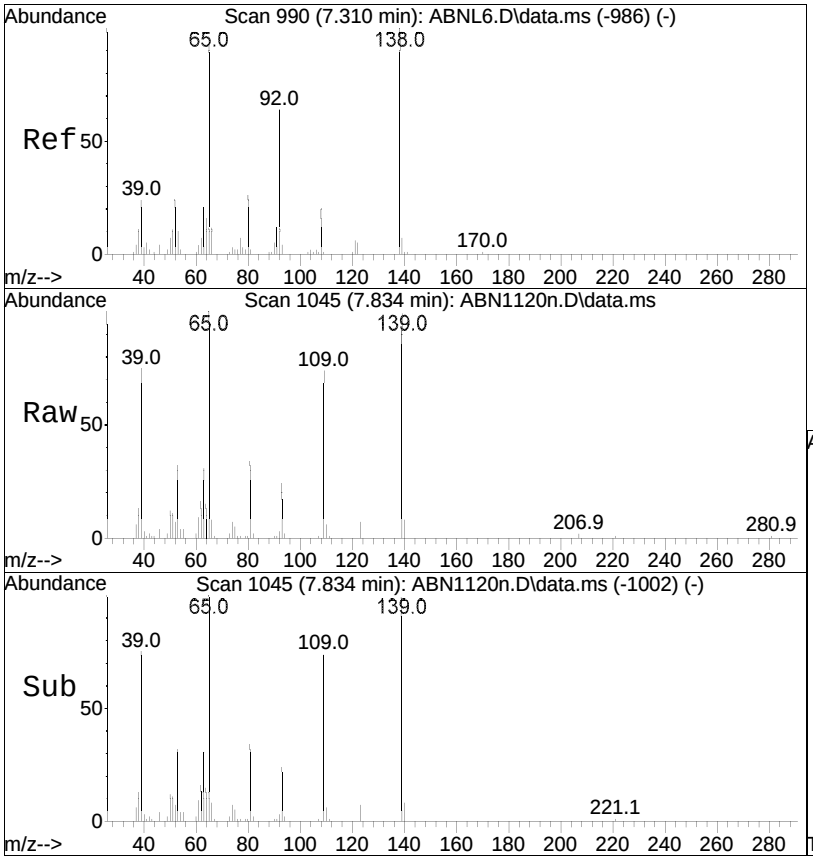


#68
2,4-Dinitrotoluene
Concen: 5.14 ug/ml
RT: 7.887 min Scan# 1054
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:165 Resp: 19239

Ion	Ratio	Lower	Upper
165	100		
89	79.4	73.0	109.4
63	63.7	56.3	84.5

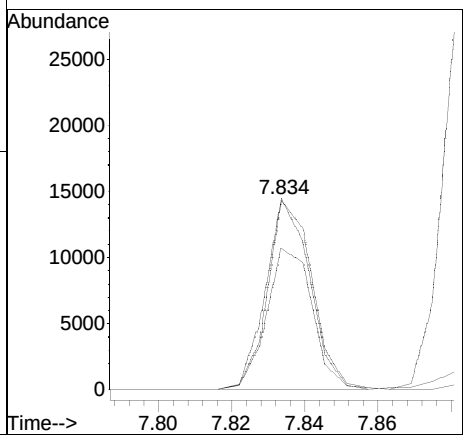


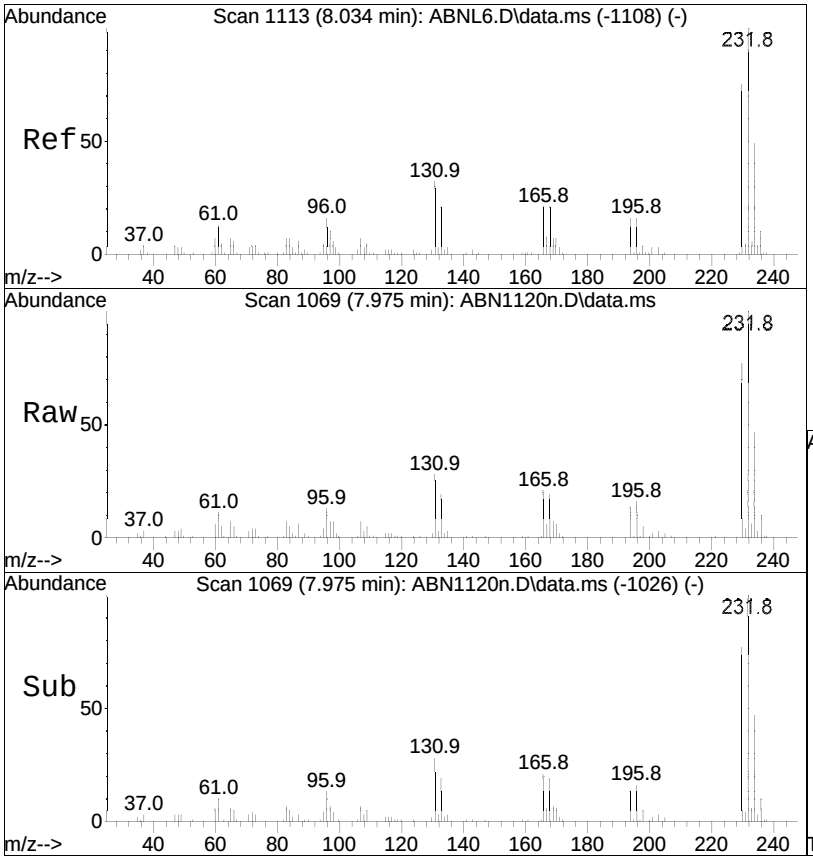


#69
4-Nitrophenol
Concen: 4.26 ug/ml
RT: 7.834 min Scan# 1045
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion: 65 Resp: 12034

Ion	Ratio	Lower	Upper
65	100		
109	77.2	60.2	90.2
139	100.5	81.1	121.7

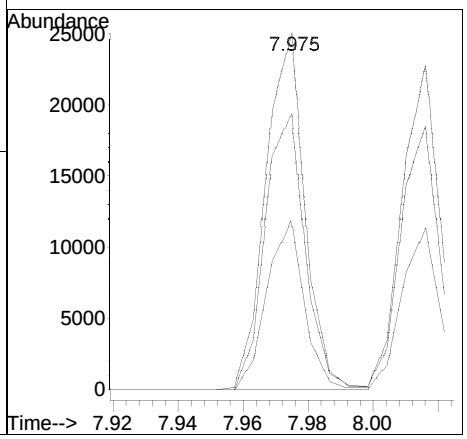


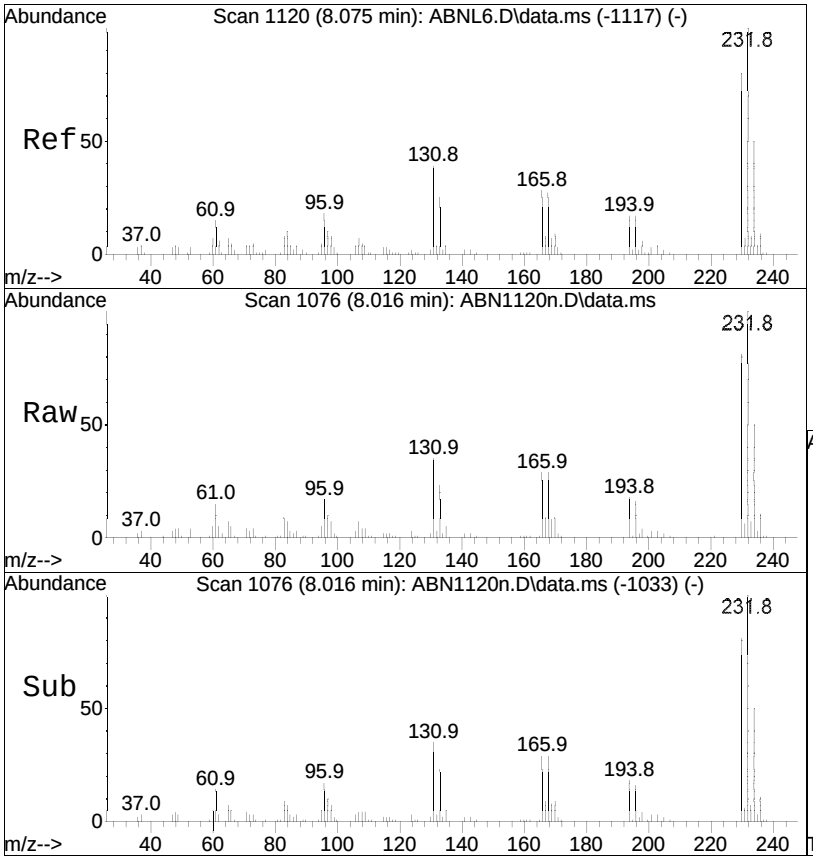


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.72 ug/ml
RT: 7.975 min Scan# 1069
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:232 Resp: 21026

Ion	Ratio	Lower	Upper
232	100		
230	79.5	63.8	95.8
234	45.6	38.3	57.5

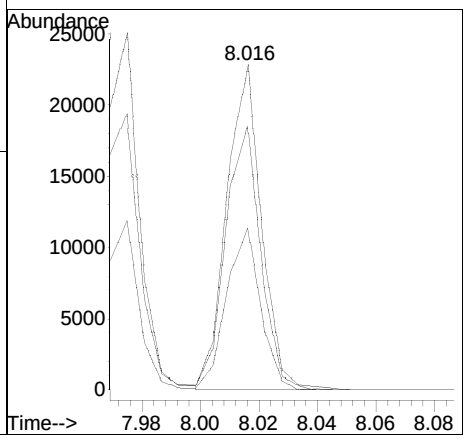


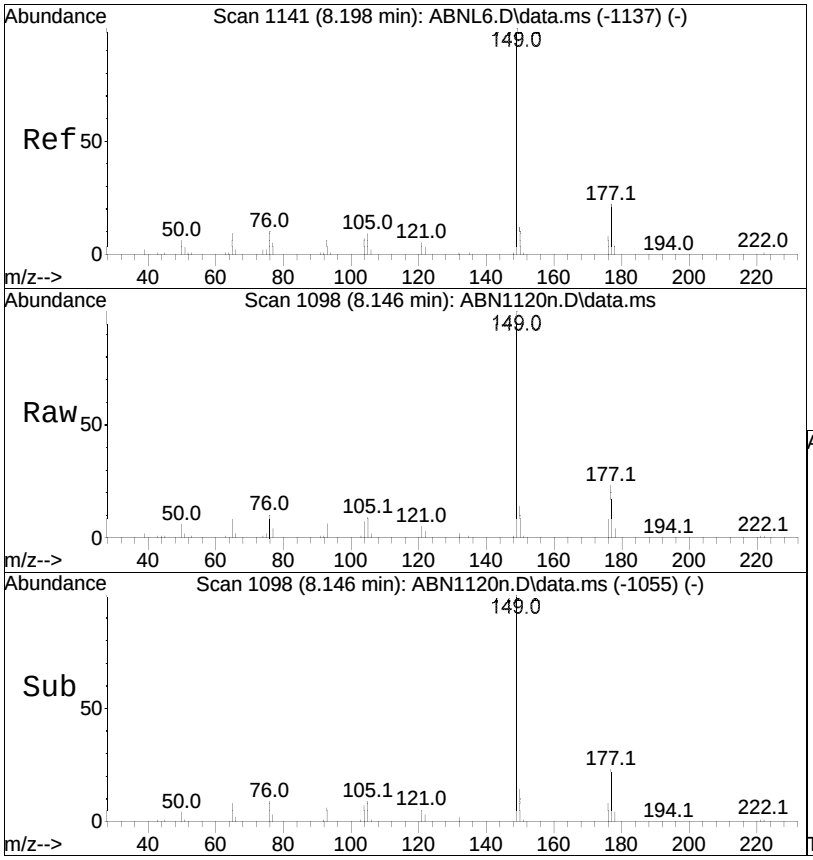


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.24 ug/ml
RT: 8.016 min Scan# 1076
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:232 Resp: 18917

Ion	Ratio	Lower	Upper
232	100		
230	81.6	63.8	95.8
234	48.8	39.0	58.6

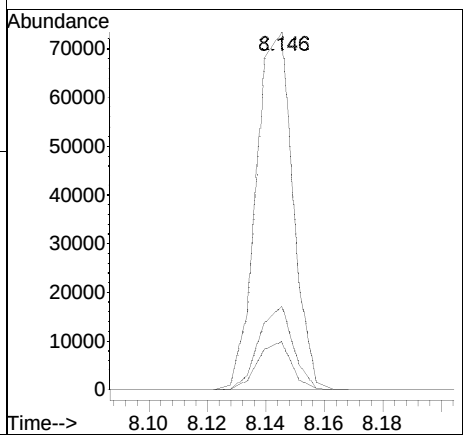


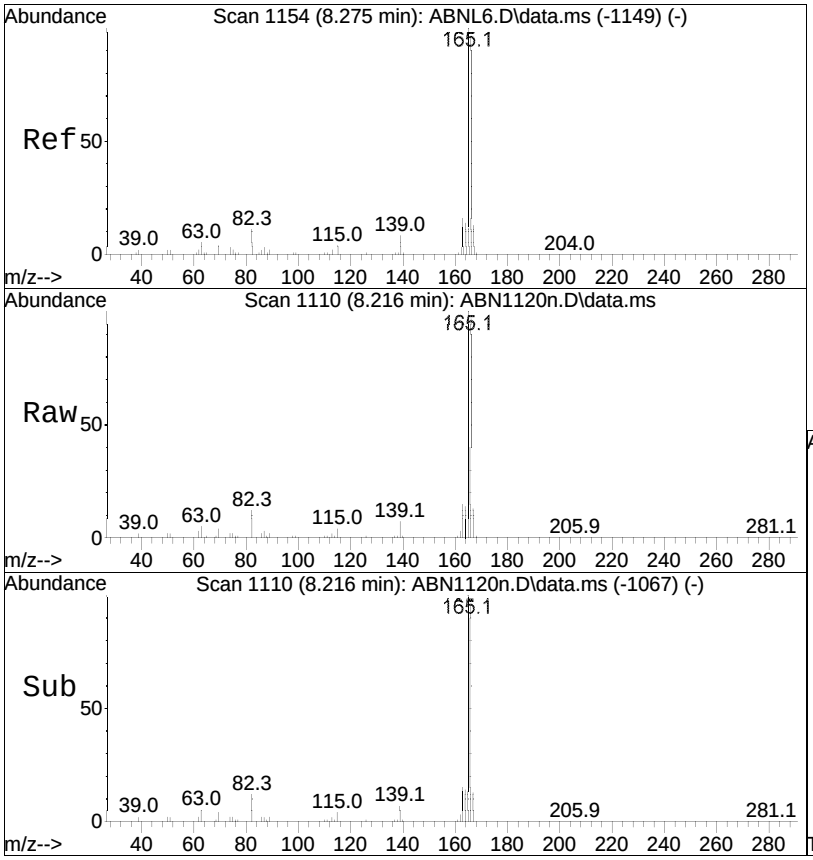


#72
Diethyl phthalate
Concen: 4.38 ug/ml
RT: 8.146 min Scan# 1098
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:149 Resp: 63578

Ion	Ratio	Lower	Upper
149	100		
177	21.9	15.0	22.6
150	12.6	9.8	14.6

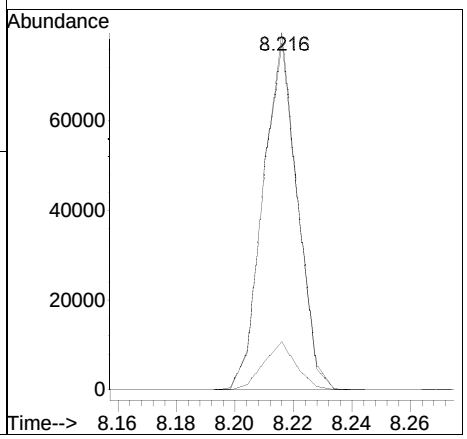


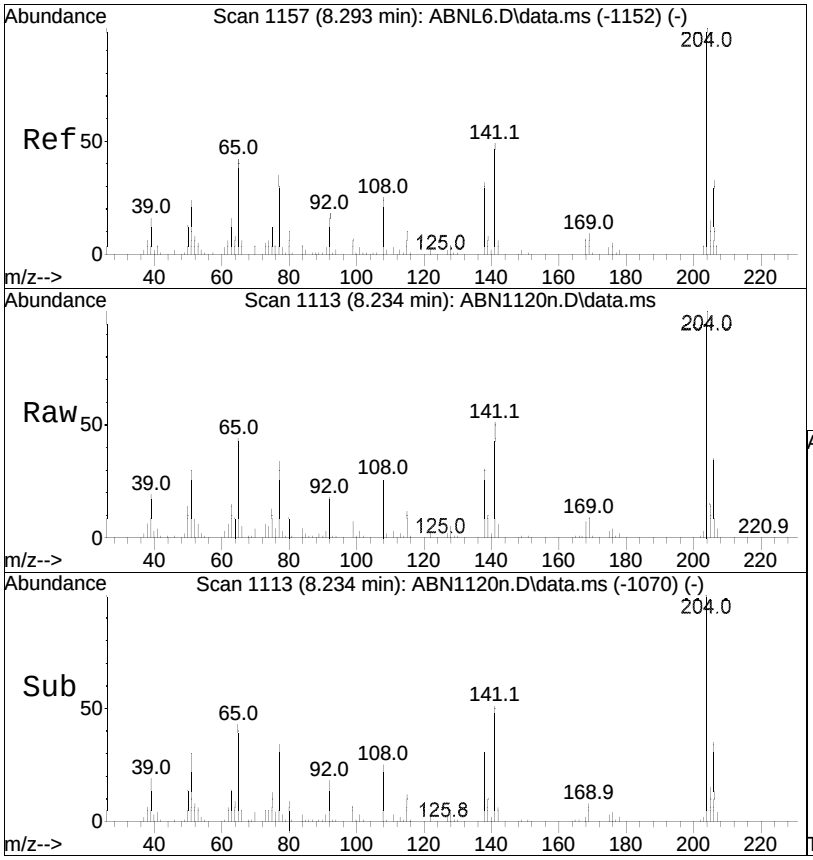


#73
Fluorene
Concen: 4.53 ug/ml
RT: 8.216 min Scan# 1110
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:166 Resp: 63230

Ion	Ratio	Lower	Upper
166	100		
165	101.9	80.0	120.0
167	13.4	10.7	16.1

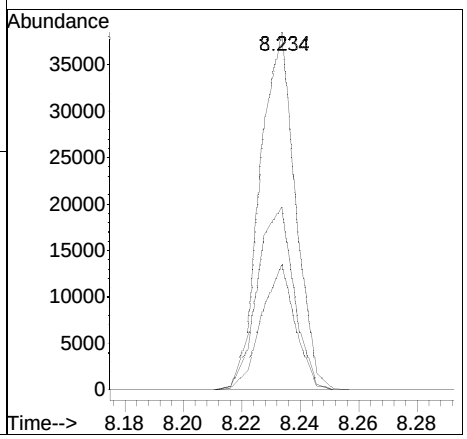


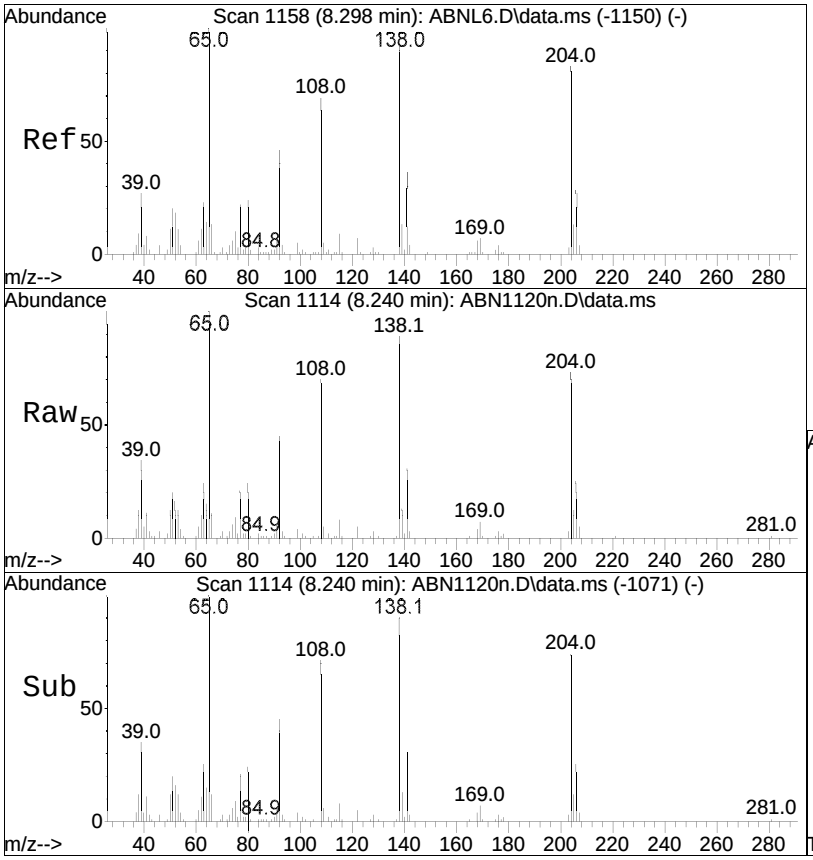


#74
4-Chlorophenyl phenyl ether
Concen: 4.22 ug/ml
RT: 8.234 min Scan# 1113
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:204 Resp: 32122

Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.3	39.5
141	52.9	58.4	87.6#

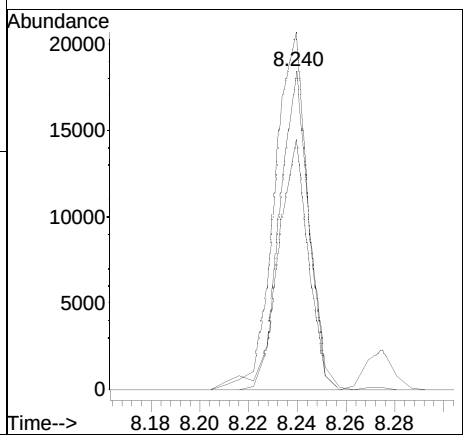


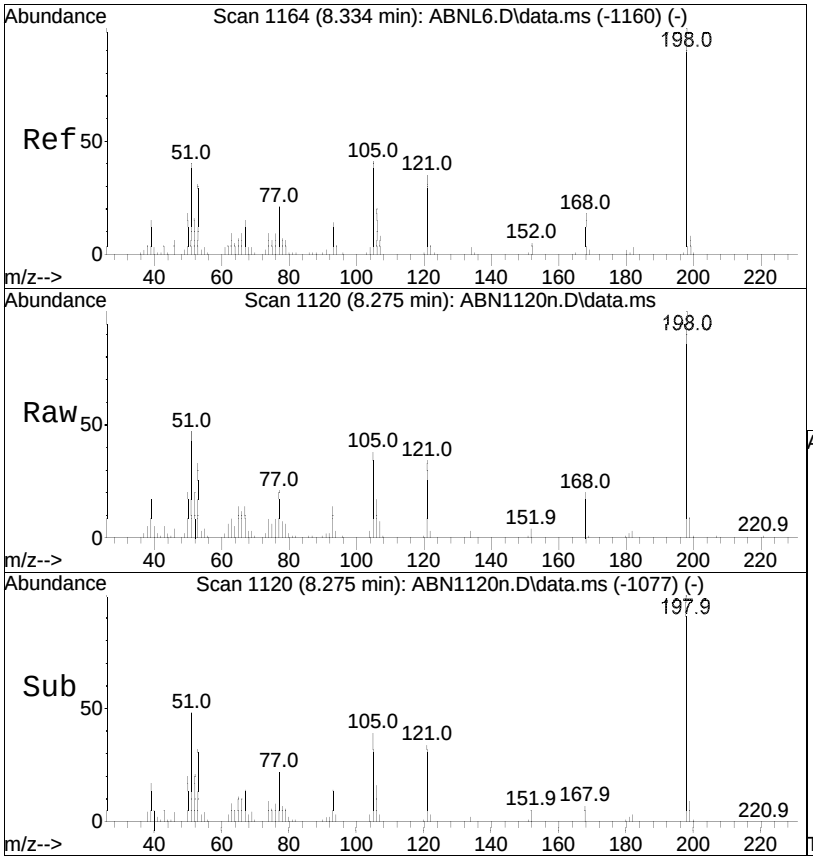


#75
4-Nitroaniline
Concen: 5.15 ug/ml
RT: 8.240 min Scan# 1114
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:138 Resp: 15809

Ion	Ratio	Lower	Upper
138	100		
108	76.4	59.2	88.8
65	121.9	97.6	146.4

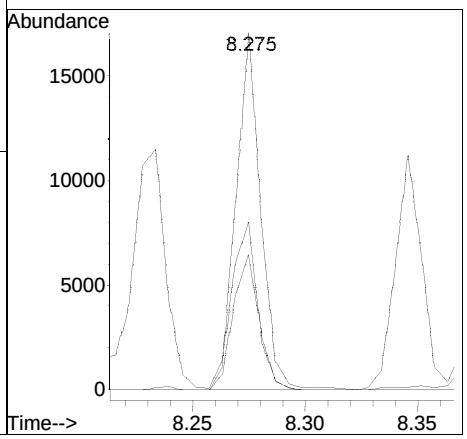


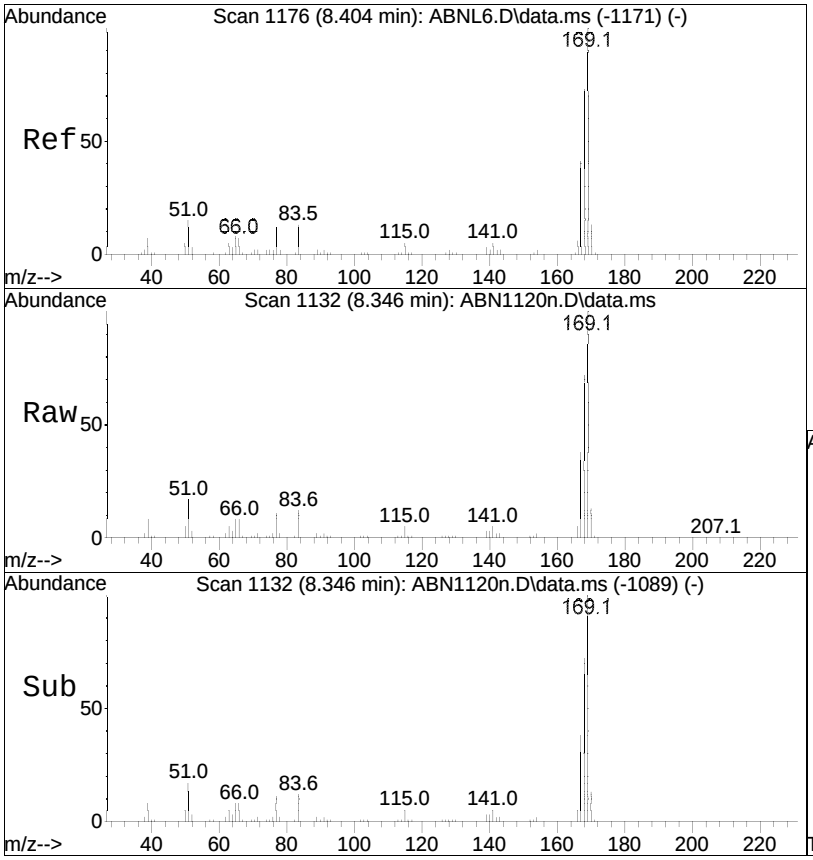


#76
4,6-Dinitro-o-cresol
Concen: 5.42 ug/ml
RT: 8.275 min Scan# 1120
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:198 Resp: 13059

Ion	Ratio	Lower	Upper
198	100		
51	49.5	49.9	74.9#
105	40.0	45.8	68.6#

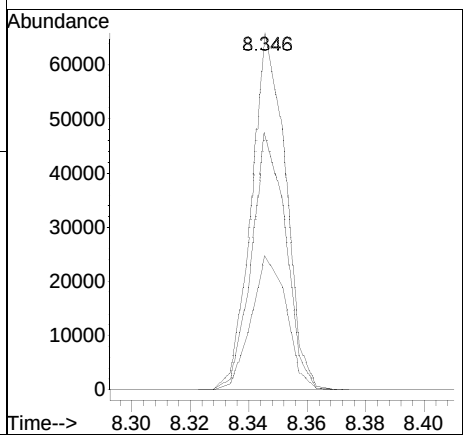


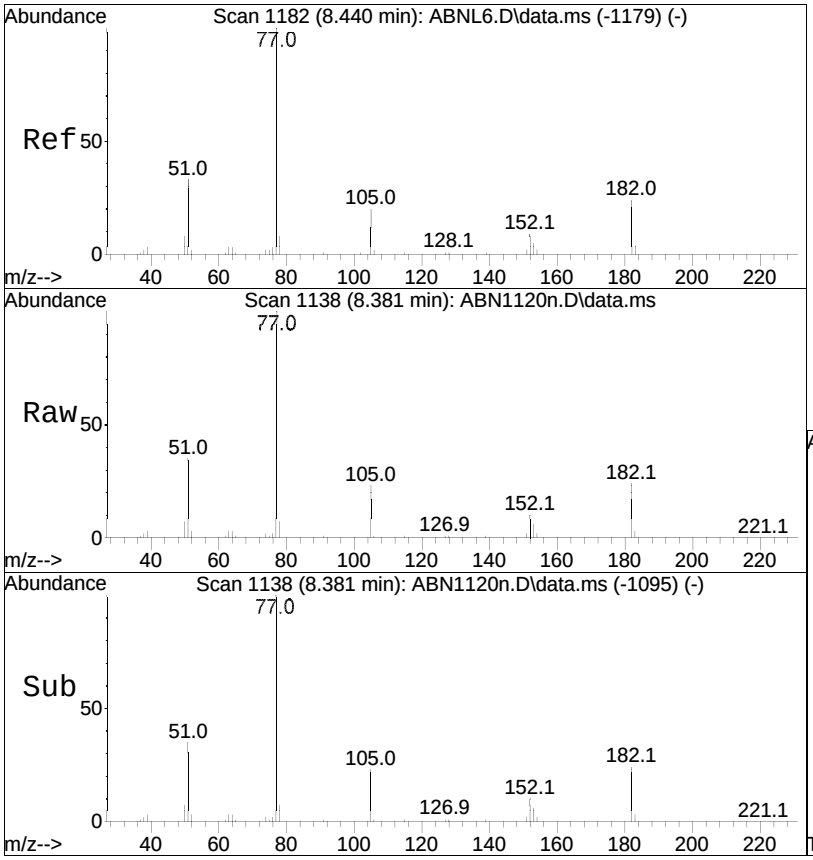


#77
NDPA/DPA
Concen: 4.44 ug/ml
RT: 8.346 min Scan# 1132
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:169 Resp: 53332

Ion	Ratio	Lower	Upper
169	100		
168	72.0	55.2	82.8
167	38.9	30.4	45.6

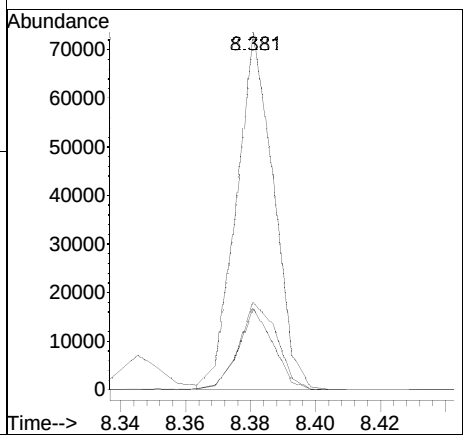


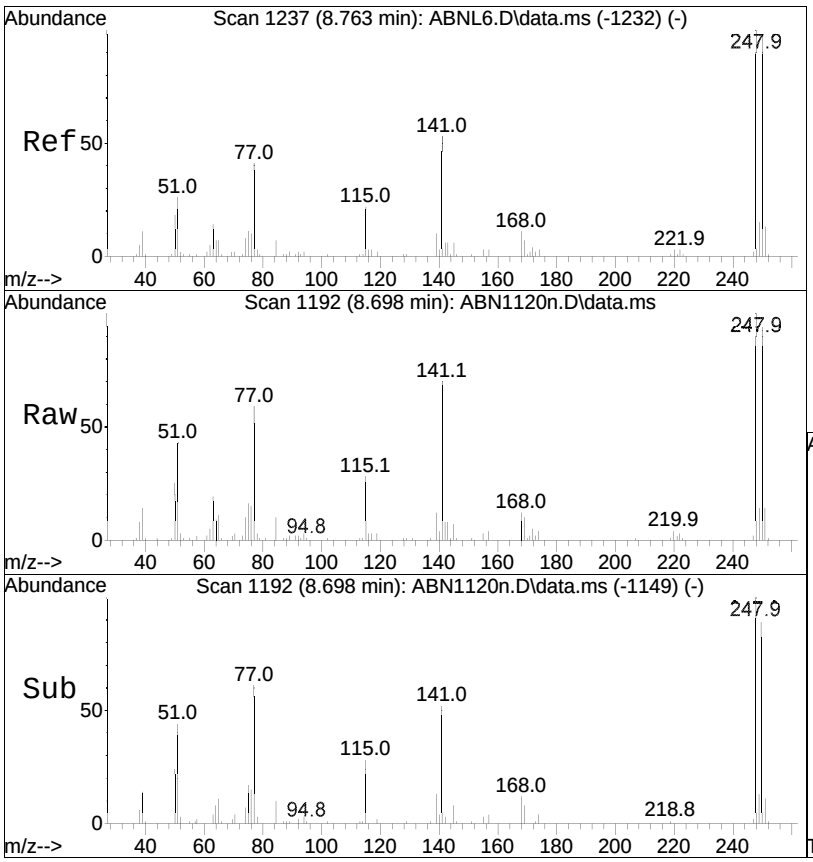


#78
Azobenzene
Concen: 4.56 ug/ml
RT: 8.381 min Scan# 1138
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion: 77 Resp: 58049

Ion	Ratio	Lower	Upper
77	100		
182	25.2	16.2	24.2#
105	22.1	17.9	26.9

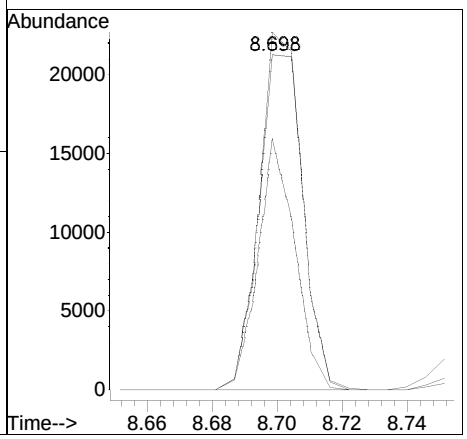


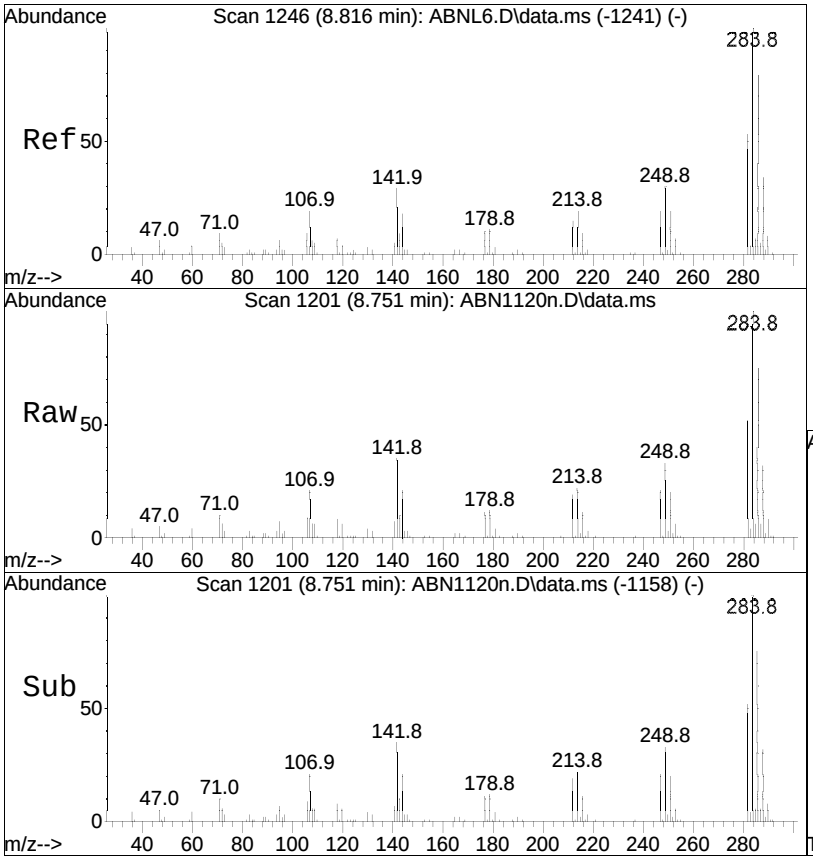


#80
4-Bromophenyl phenyl ether
Concen: 4.21 ug/ml
RT: 8.698 min Scan# 1192
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:248 Resp: 20504

Ion	Ratio	Lower	Upper
248	100		
141	61.0	74.6	111.8#
250	97.9	76.9	115.3

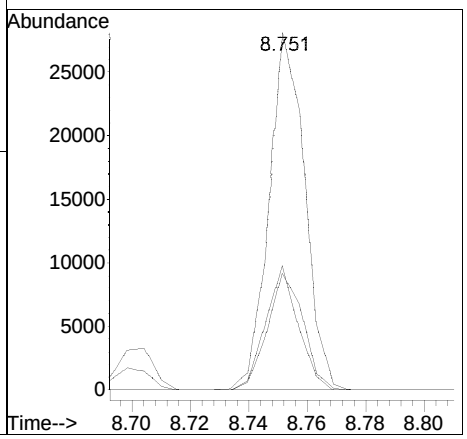


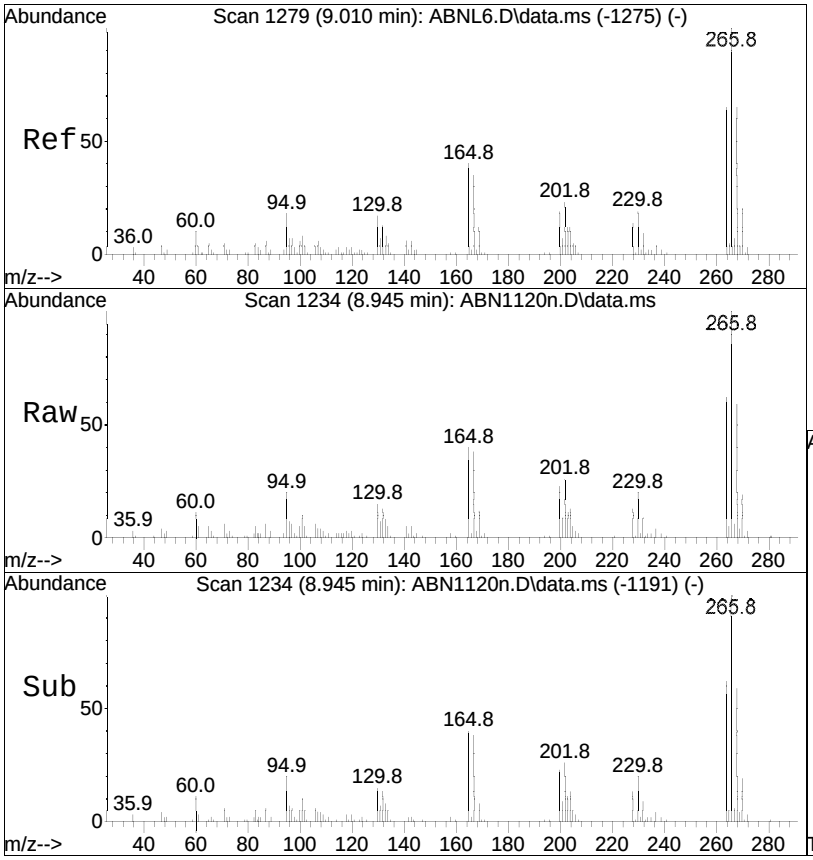


#81
Hexachlorobenzene
Concen: 3.86 ug/ml
RT: 8.751 min Scan# 1201
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:284 Resp: 23677

Ion	Ratio	Lower	Upper
284	100		
142	31.9	37.6	56.4#
249	33.0	25.4	38.2

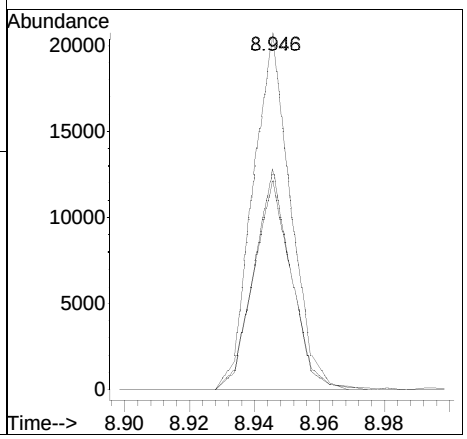


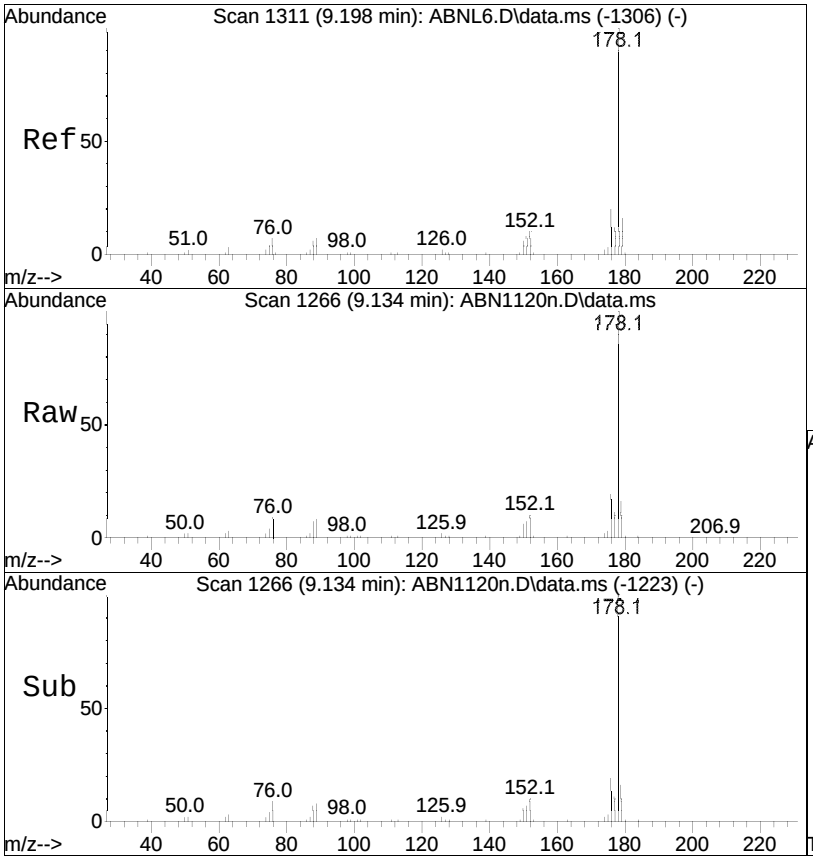


#82
Pentachlorophenol
Concen: 5.29 ug/ml
RT: 8.945 min Scan# 1234
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:266 Resp: 16656

Ion	Ratio	Lower	Upper
266	100		
264	61.8	50.7	76.1
268	59.5	52.5	78.7

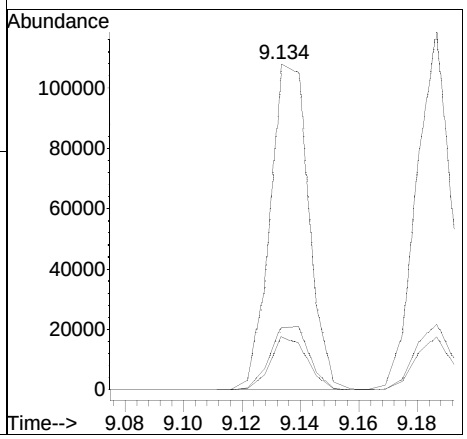


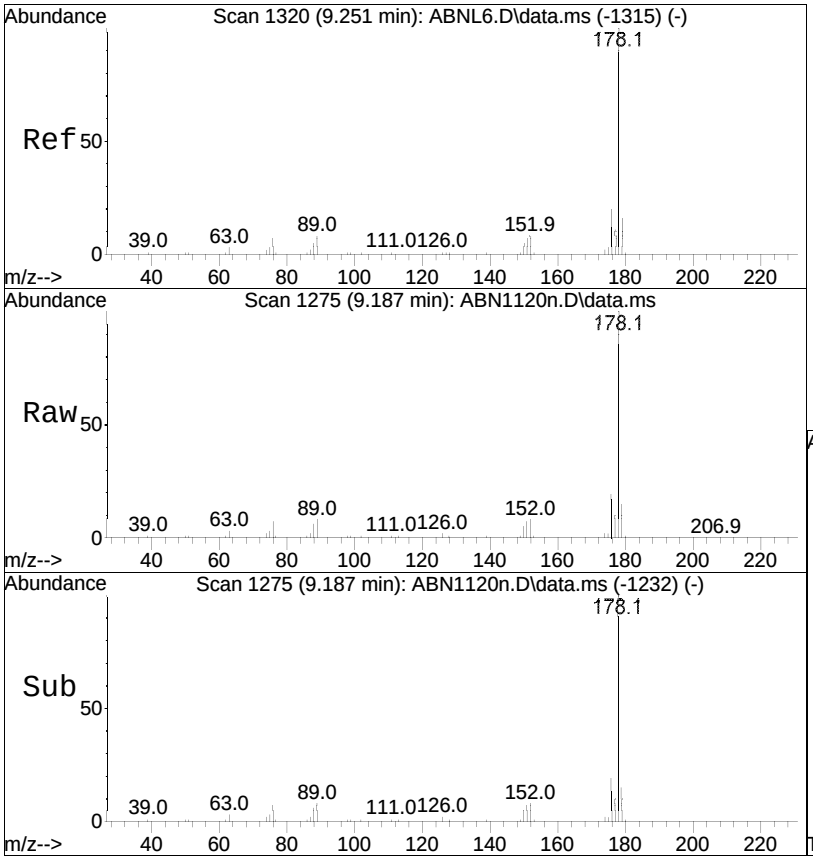


#89
Phenanthrene
Concen: 4.48 ug/ml
RT: 9.134 min Scan# 1266
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:178 Resp: 99189

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	19.9	15.4	23.2

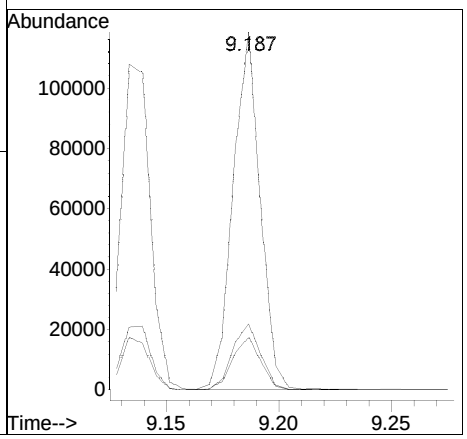


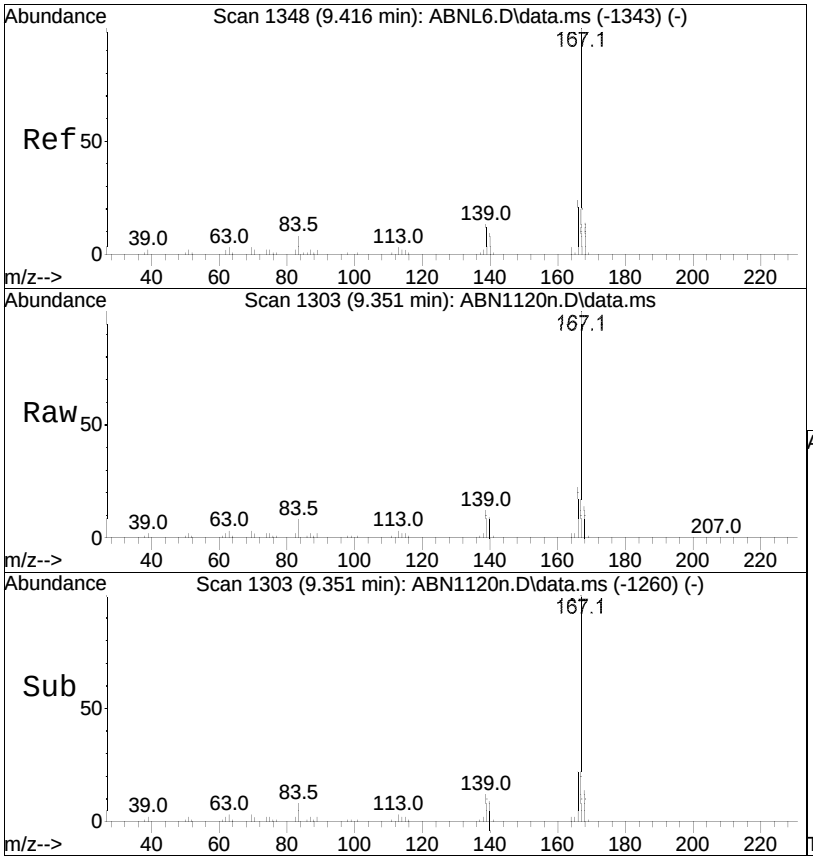


#90
Anthracene
Concen: 4.56 ug/ml
RT: 9.187 min Scan# 1275
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:178 Resp: 98849

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	19.3	15.1	22.7

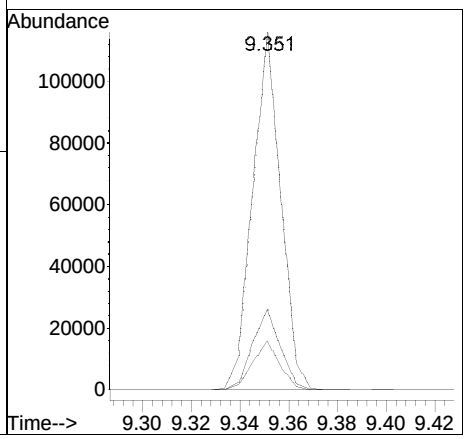


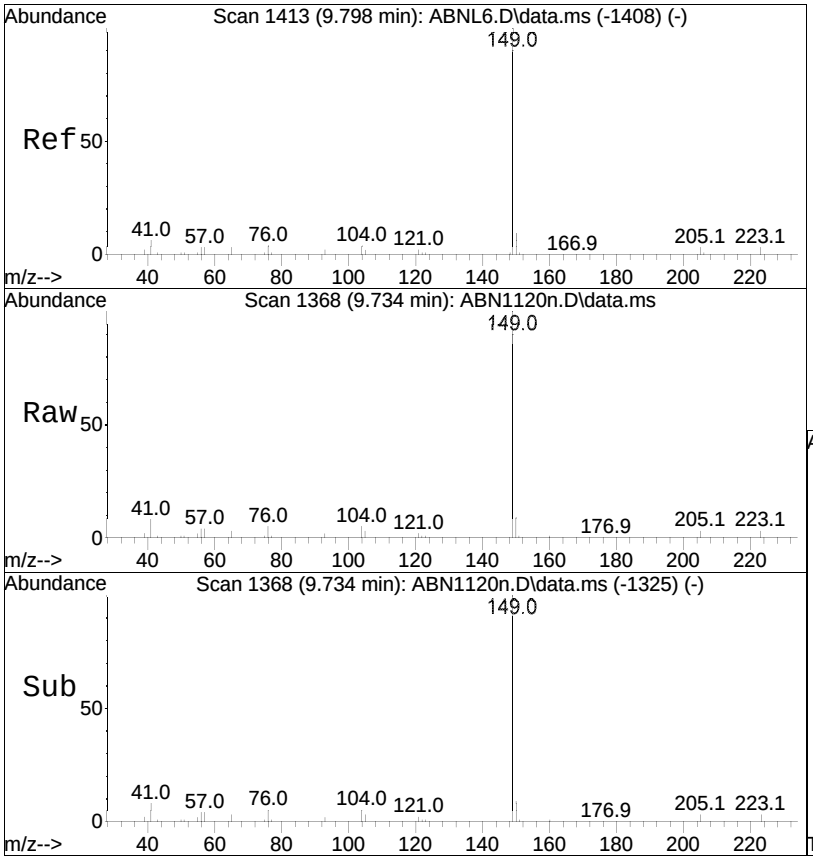


#91
Carbazole
Concen: 4.63 ug/ml
RT: 9.351 min Scan# 1303
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:167 Resp: 91741

Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.8	16.2
166	22.5	17.7	26.5

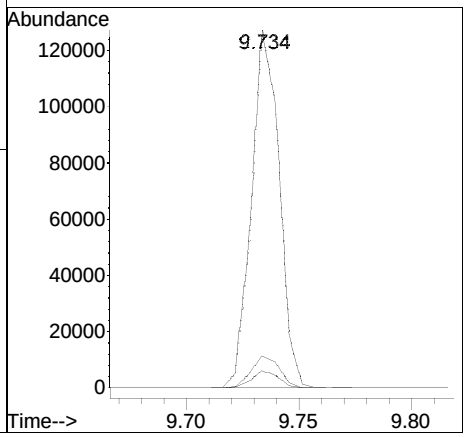


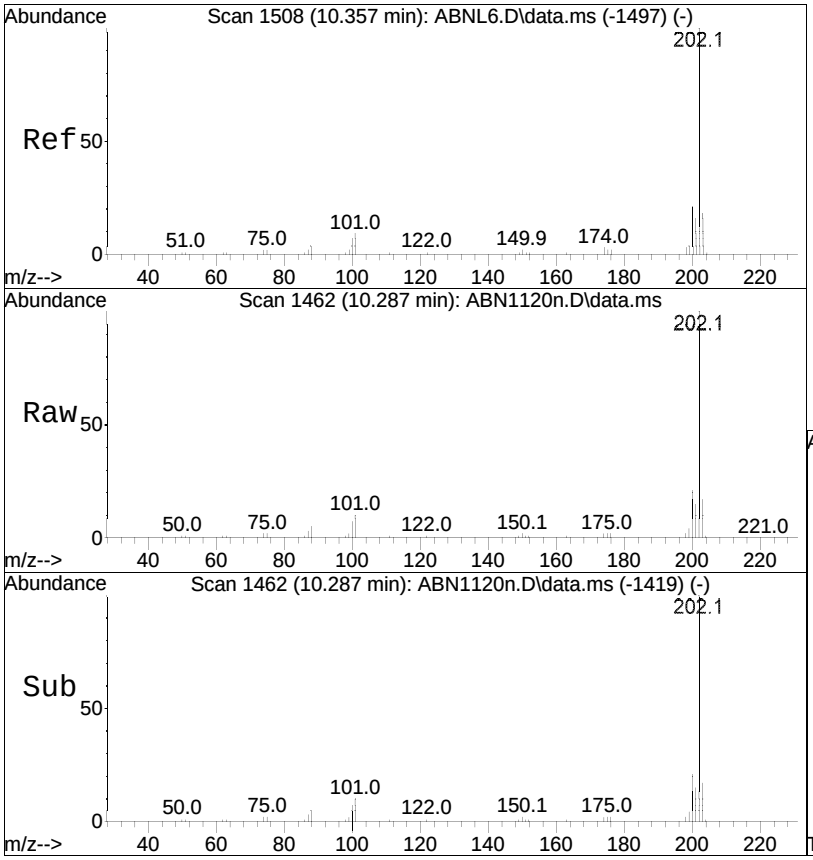


#92
Di-n-butylphthalate
Concen: 4.95 ug/ml
RT: 9.734 min Scan# 1368
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:149 Resp: 107102

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.7	4.0	6.0

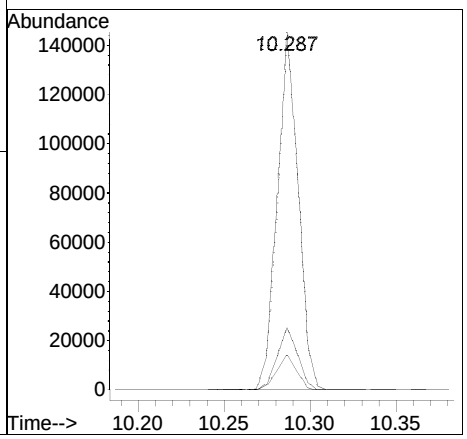


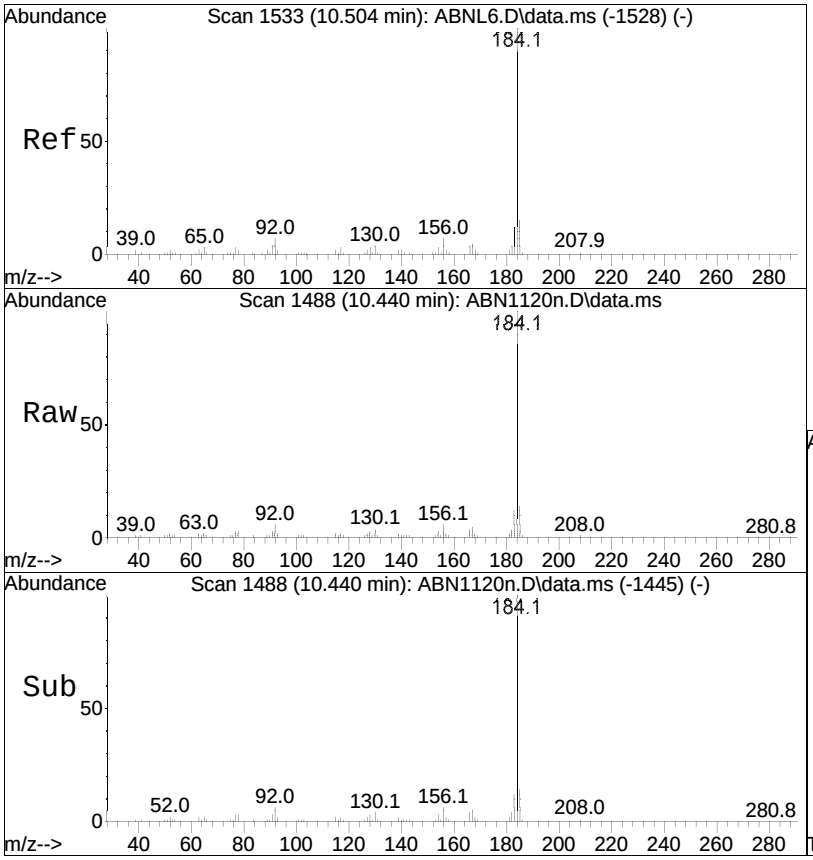


#93
Fluoranthene
Concen: 4.71 ug/ml
RT: 10.287 min Scan# 1462
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:202 Resp: 120861

Ion	Ratio	Lower	Upper
202	100		
101	9.5	11.2	16.8#
203	17.4	13.7	20.5

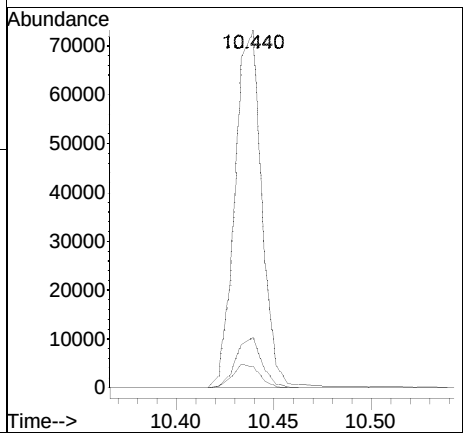


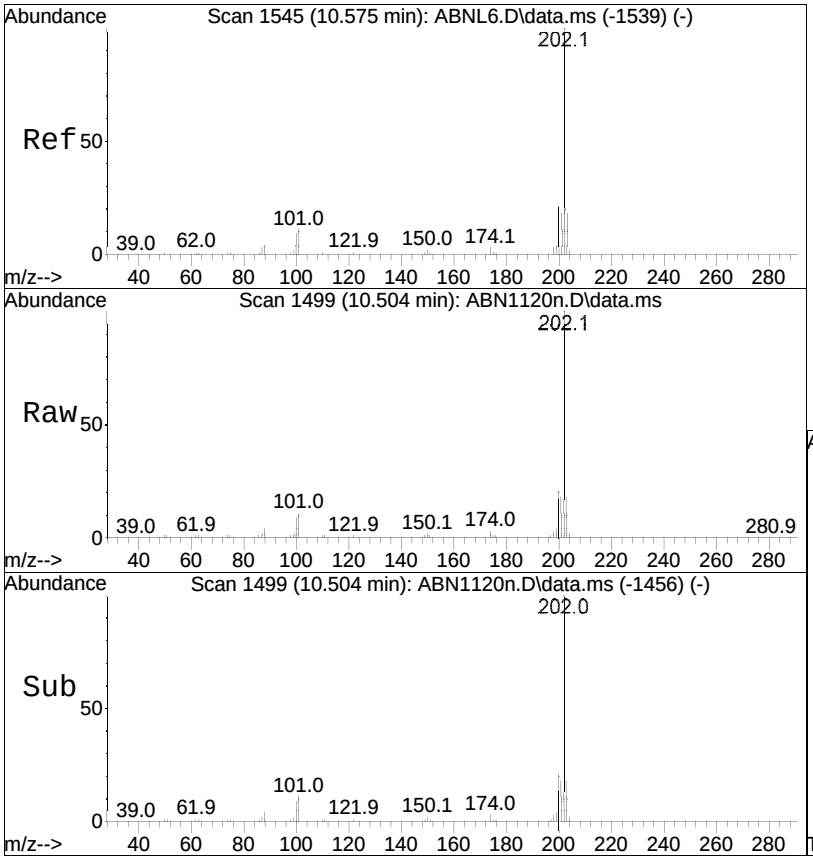


#94
Benzidine
Concen: 4.93 ug/ml
RT: 10.440 min Scan# 1488
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:184 Resp: 69624

Ion	Ratio	Lower	Upper
184	100		
92	6.6	7.3	10.9#
185	13.7	11.8	17.8

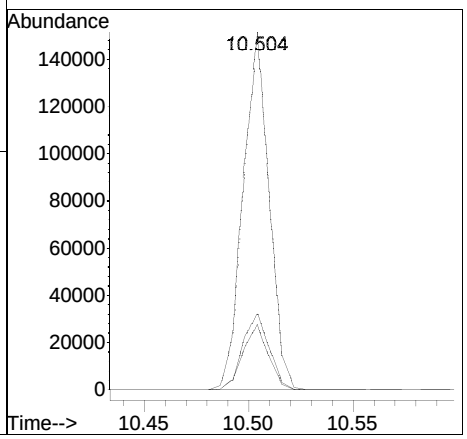


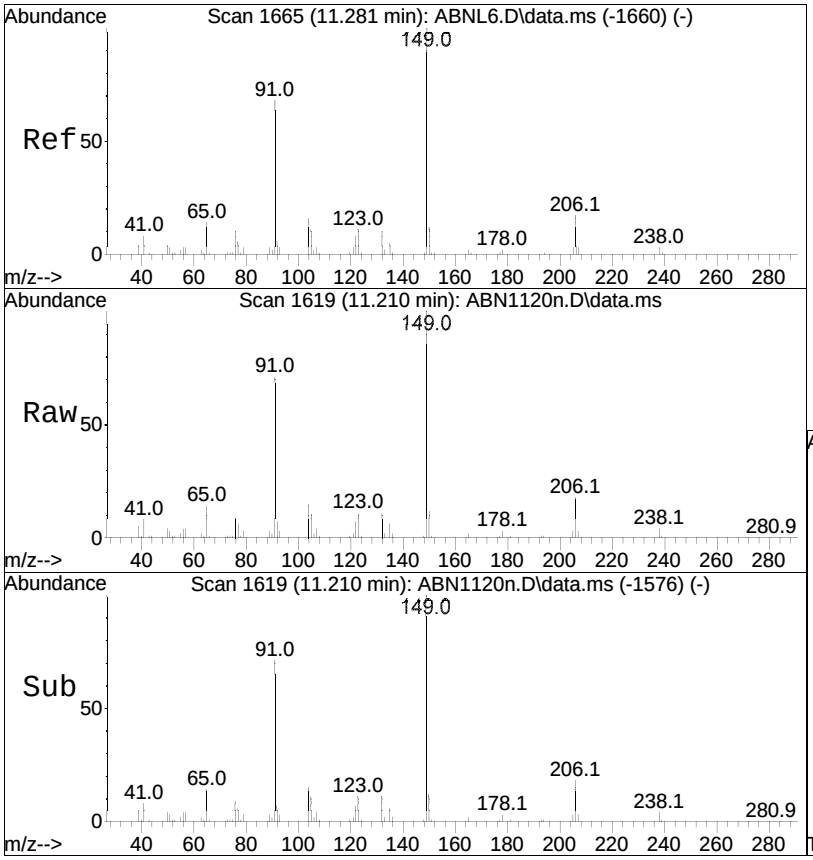


#95
Pyrene
Concen: 4.76 ug/ml
RT: 10.504 min Scan# 1499
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:202 Resp: 129527

Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	18.1	14.3	21.5

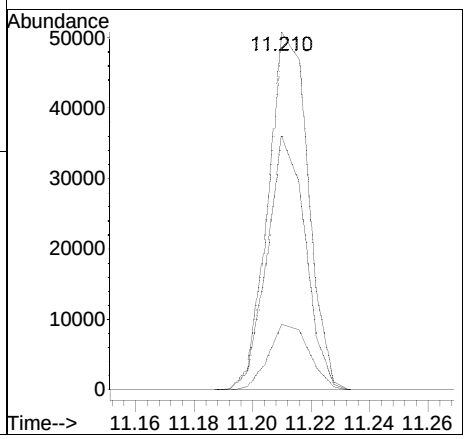


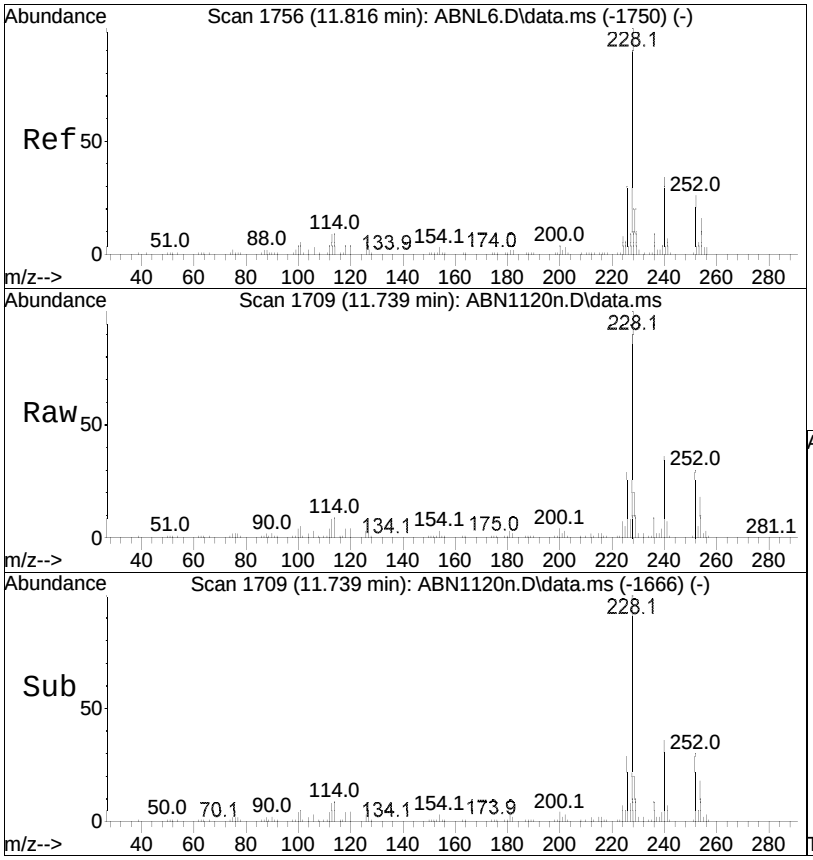


#97
Butyl benzyl phthalate
Concen: 5.01 ug/ml
RT: 11.210 min Scan# 1619
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:149 Resp: 47948

Ion	Ratio	Lower	Upper
149	100		
91	68.1	57.9	86.9
206	18.8	11.9	17.9#

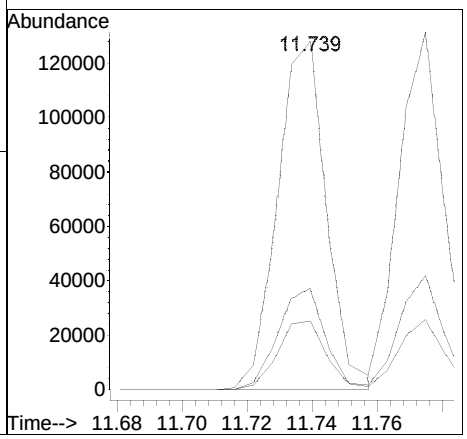


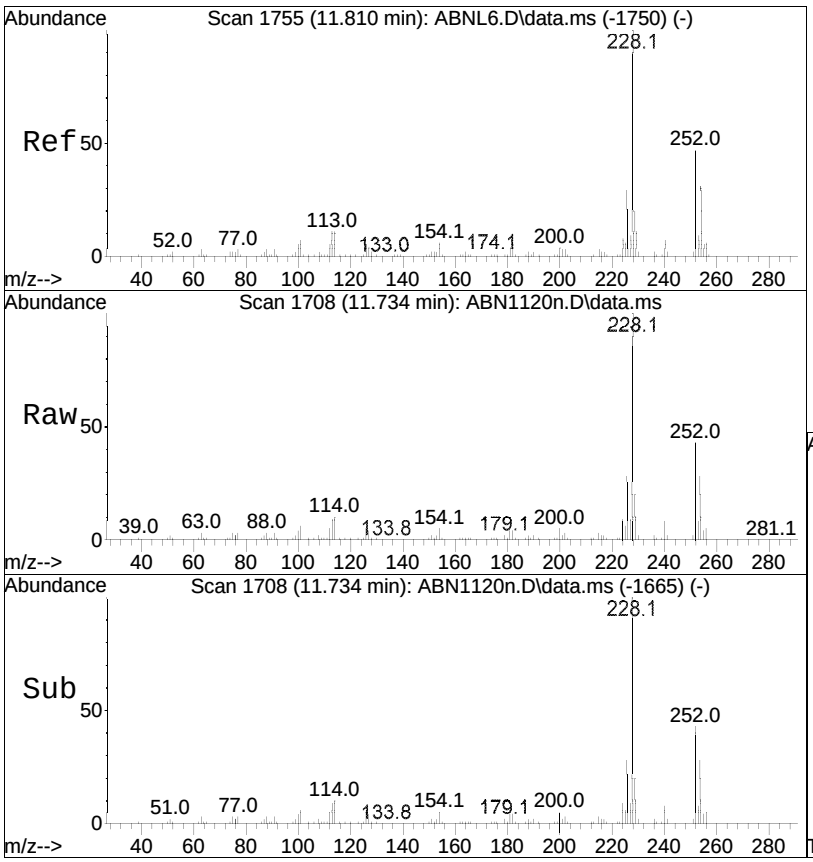


#105
Benzo(a)anthracene
Concen: 4.95 ug/ml
RT: 11.739 min Scan# 1709
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:228 Resp: 133375

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	34.0
229	19.8	15.8	23.6

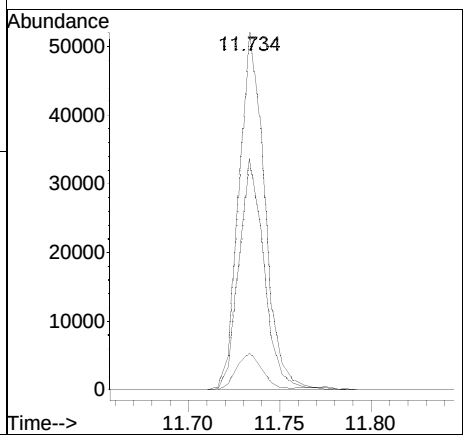


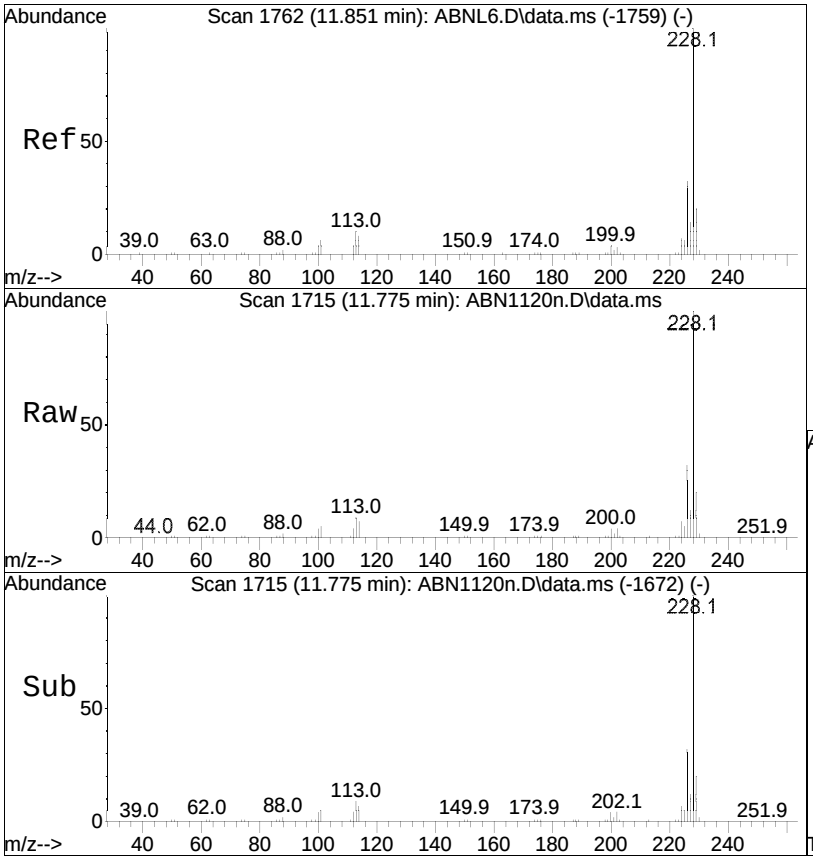


#106
3,3'-Dichlorobenzidine
Concen: 5.19 ug/ml
RT: 11.734 min Scan# 1708
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:252 Resp: 50925

Ion	Ratio	Lower	Upper
252	100		
126	10.6	12.6	19.0#
254	63.2	51.1	76.7

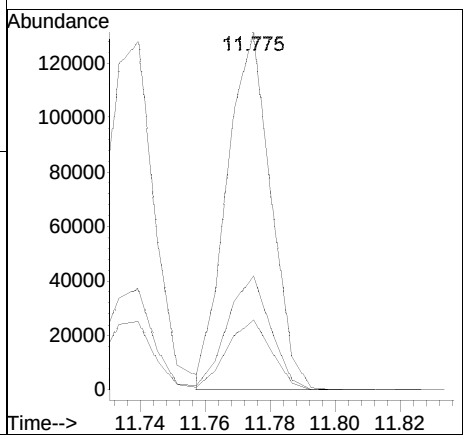


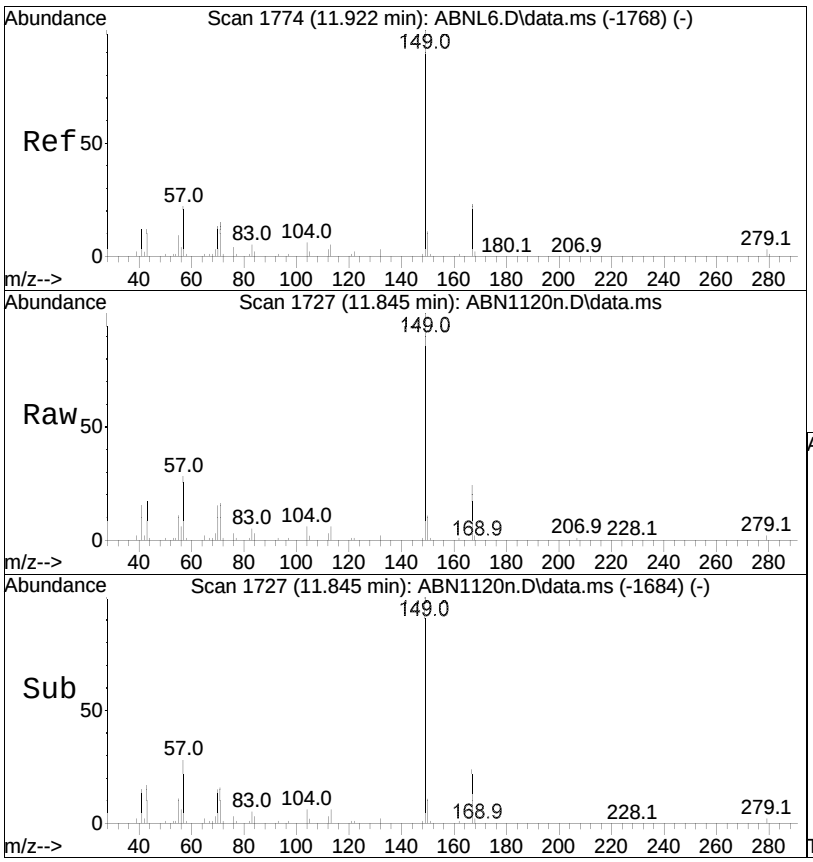


#107
Chrysene
Concen: 4.66 ug/ml
RT: 11.775 min Scan# 1715
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:228 Resp: 123196

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.7	37.1
229	19.9	15.5	23.3

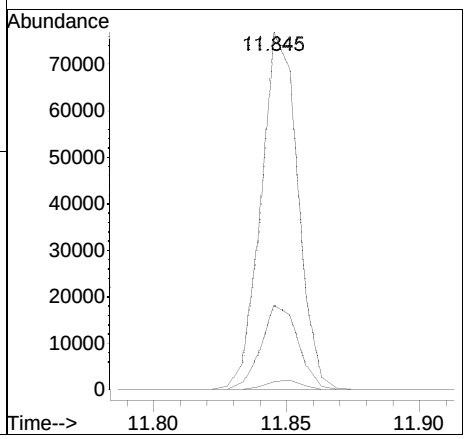


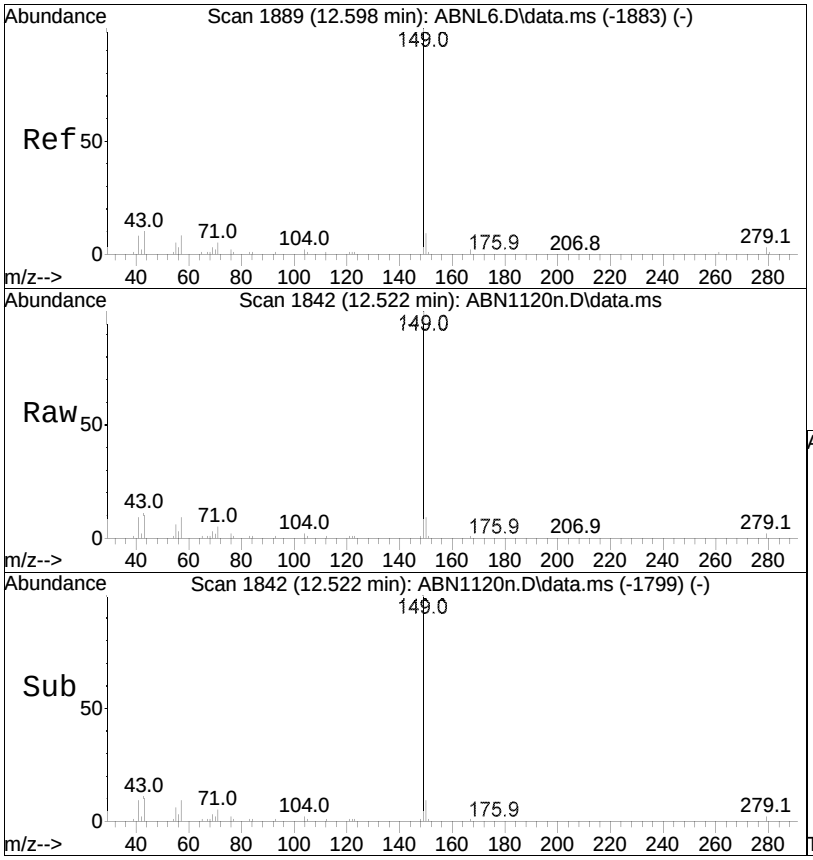


#108
Bis(2-ethylhexyl)phthalate
Concen: 5.47 ug/ml
RT: 11.845 min Scan# 1727
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:149 Resp: 73231

Ion	Ratio	Lower	Upper
149	100		
167	23.9	18.4	27.6
279	2.3	1.7	2.5

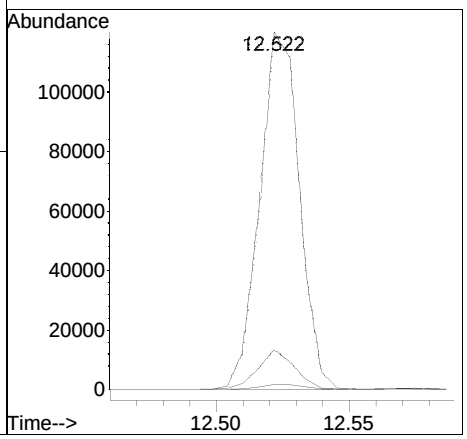


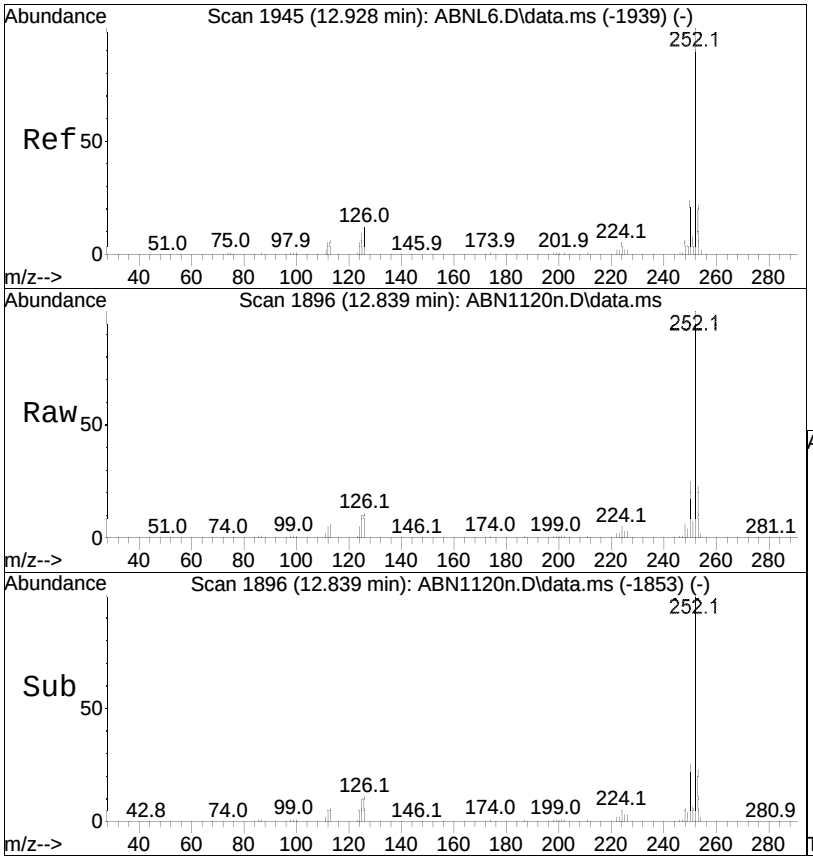


#109
Di-n-octylphthalate
Concen: 5.99 ug/ml
RT: 12.522 min Scan# 1842
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:149 Resp: 123056

Ion	Ratio	Lower	Upper
149	100		
43	10.5	8.2	12.2
167	1.4	1.1	1.7

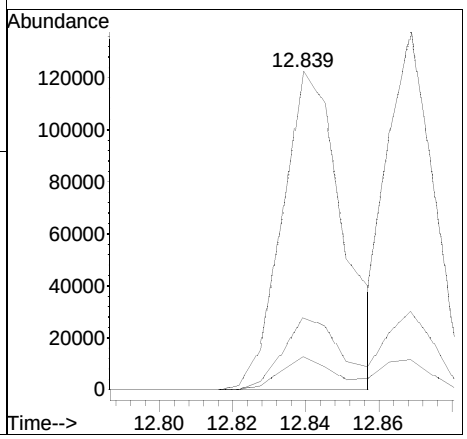


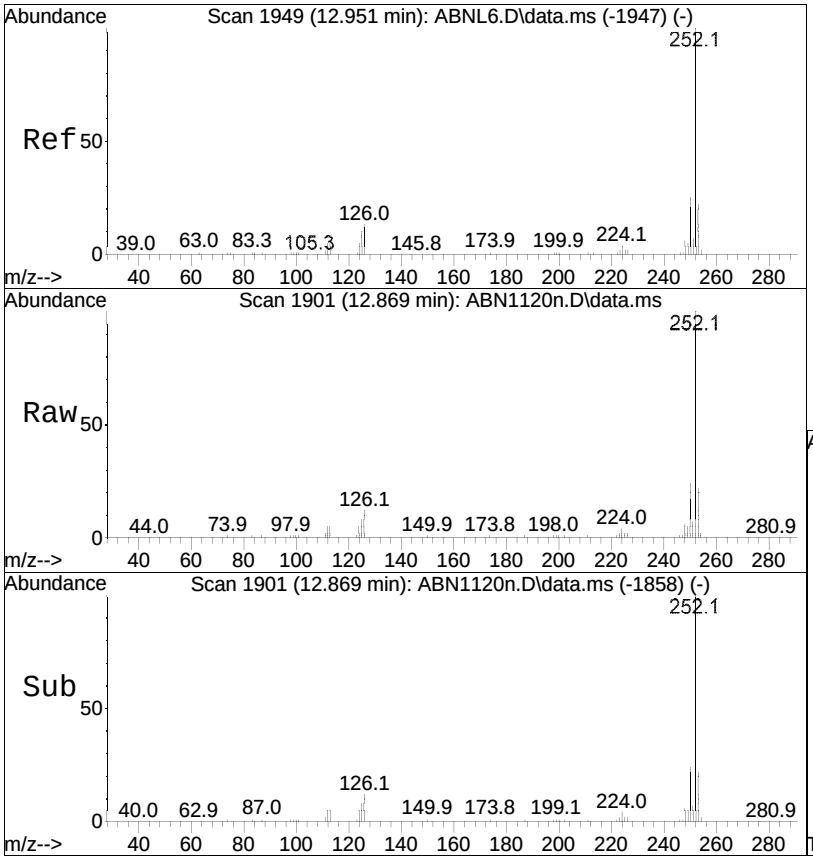


#110
Benzo(b)fluoranthene
Concen: 5.17 ug/ml
RT: 12.839 min Scan# 1896
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:252 Resp: 142782

Ion	Ratio	Lower	Upper
252	100		
125	8.6	11.3	16.9#
253	22.2	17.8	26.8

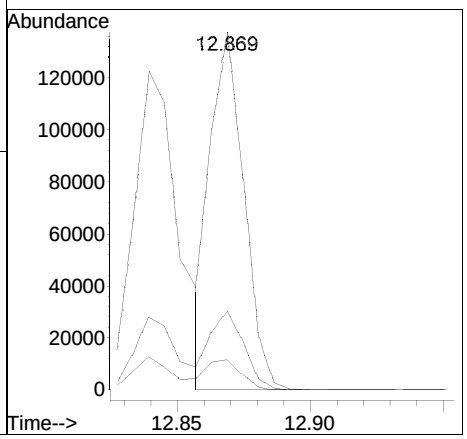


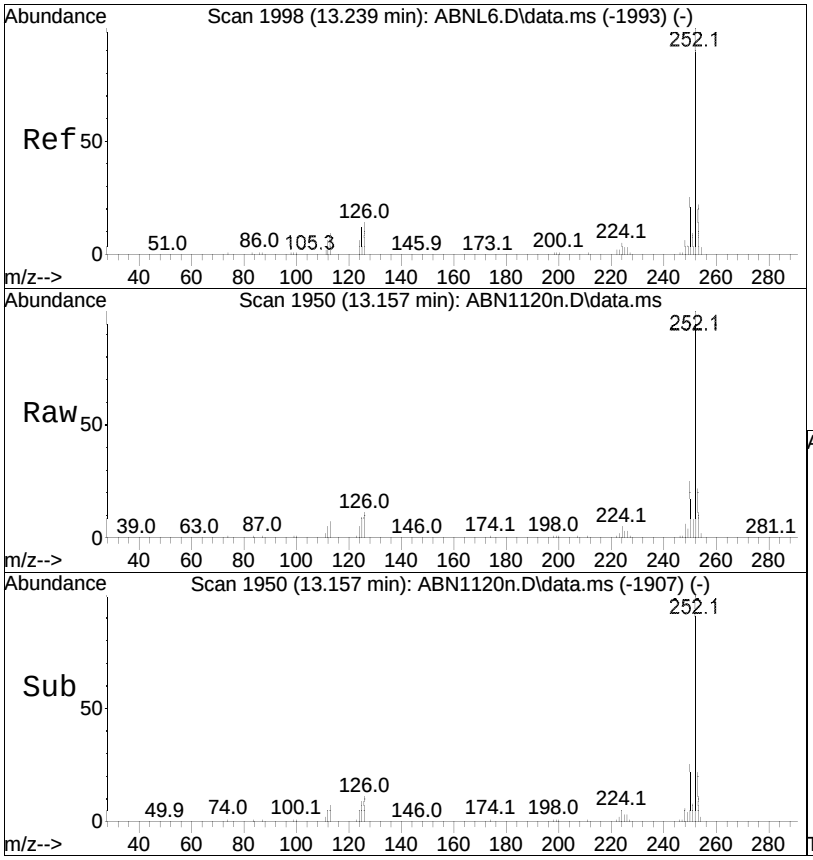


#111
Benzo(k)fluoranthene
Concen: 4.81 ug/ml M3
RT: 12.869 min Scan# 1901
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:252 Resp: 121205

Ion	Ratio	Lower	Upper
252	100		
125	10.2	11.5	17.3#
253	26.2	17.6	26.4

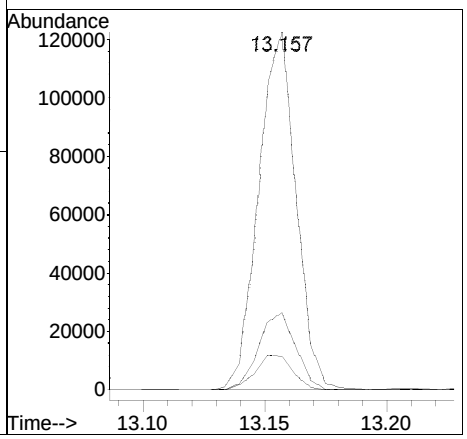


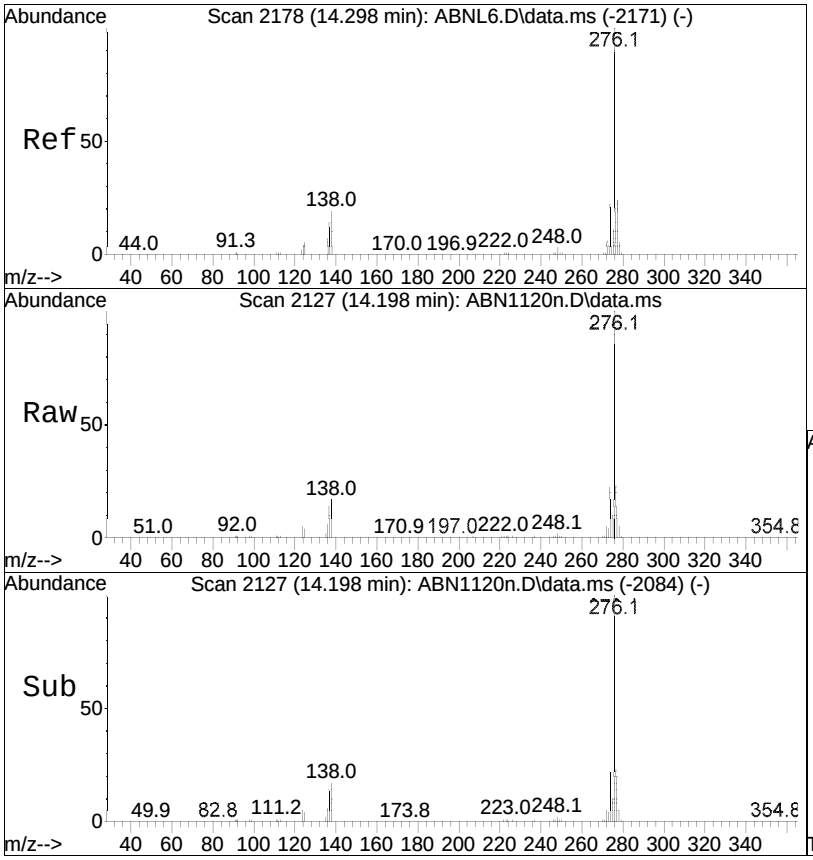


#112
Benzo(a)pyrene
Concen: 5.37 ug/ml
RT: 13.157 min Scan# 1950
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:252 Resp: 129572

Ion	Ratio	Lower	Upper
252	100		
125	9.9	12.6	18.8#
253	21.6	17.5	26.3

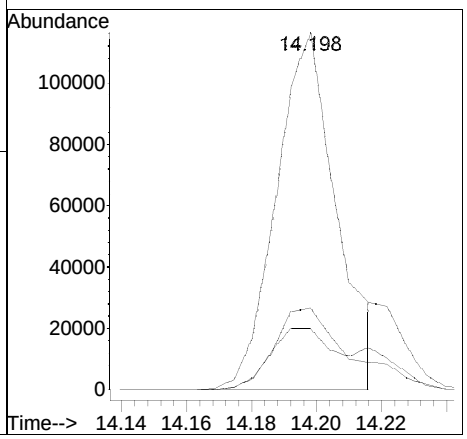


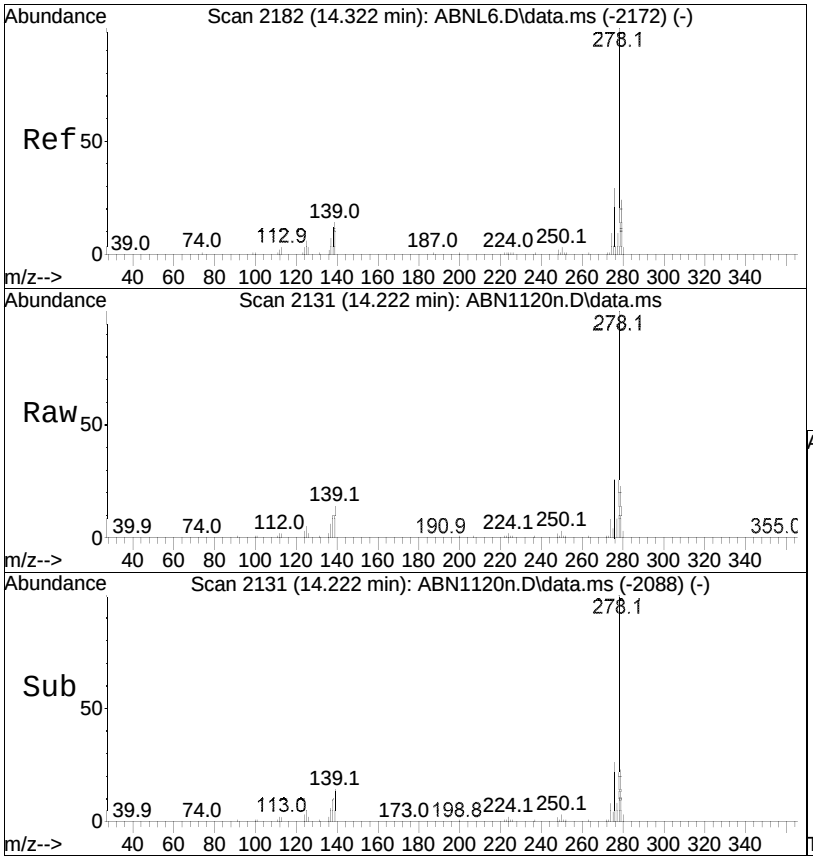


#114
Indeno(1,2,3-cd)pyrene
Concen: 5.43 ug/mL M6
RT: 14.198 min Scan# 2127
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:276 Resp: 150038

Ion	Ratio	Lower	Upper
276	100		
138	26.6	22.1	33.1
277	28.5	19.0	28.6

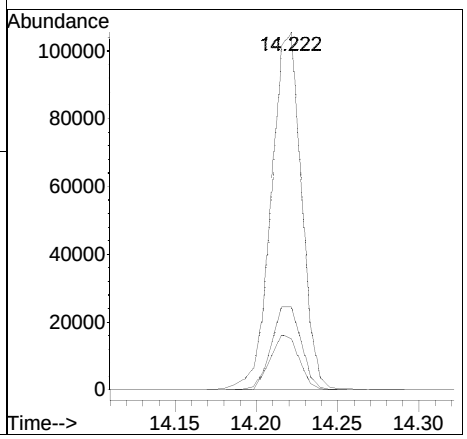


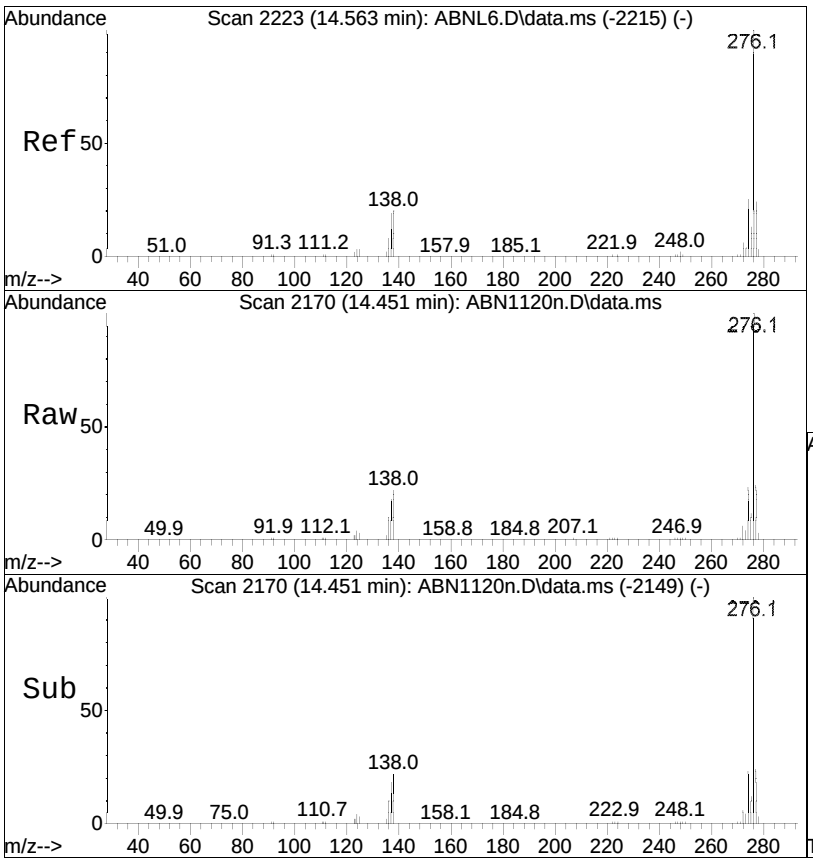


#115
Dibenzo(a,h)anthracene
Concen: 5.12 ug/ml
RT: 14.222 min Scan# 2131
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:278 Resp: 135145

Ion	Ratio	Lower	Upper
278	100		
139	14.7	17.8	26.8#
279	23.3	19.2	28.8

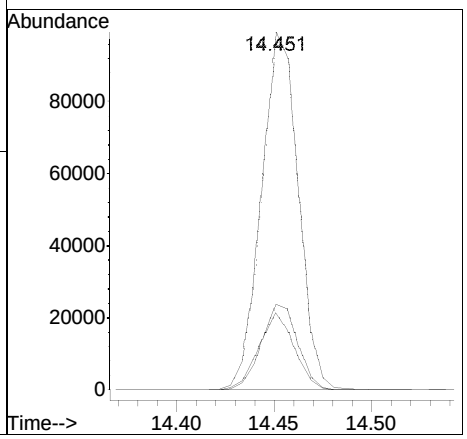




#116
Benzo(ghi)perylene
Concen: 4.87 ug/ml
RT: 14.451 min Scan# 2170
Delta R.T. 0.000 min
Lab File: ABN1120n.D
Acq: 20 Nov 2024 11:19 pm

Tgt Ion:276 Resp: 129705

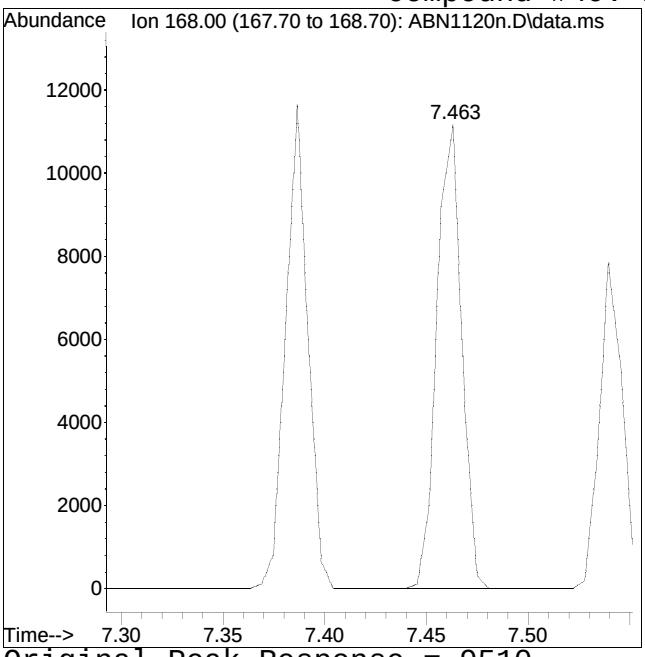
Ion	Ratio	Lower	Upper
276	100		
138	20.9	21.9	32.9#
277	23.7	18.4	27.6

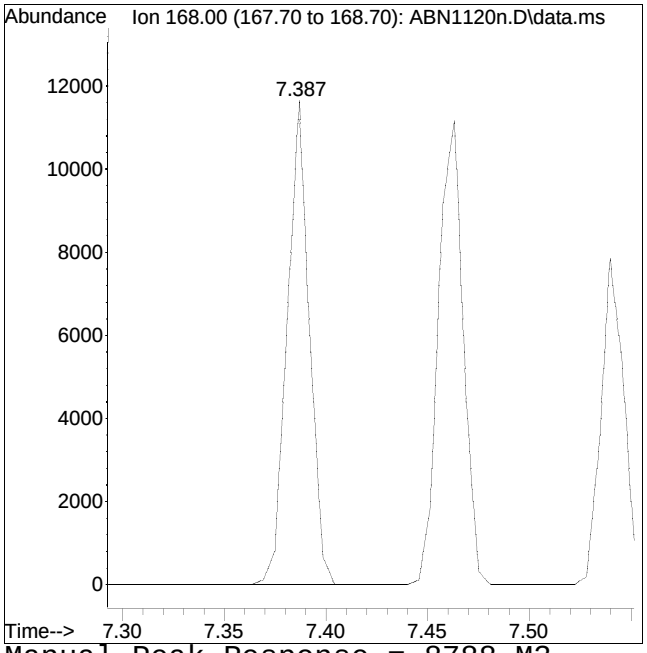


Manual Integration Report

Data Path : I:\8270\SV112\241120NRVT\ QMethod : FS240625SV112RVT.m
Data File : ABN1120n.D Operator : SV112:cmm
Date Inj'd : 11/20/2024 11:19 pm Instrument : SV112
Sample : WG1999664-3,32,,ABN RVT CCQuant Date : 11/20/2024 11:41 pm

Compound #49: 1,4-Dinitrobenzene





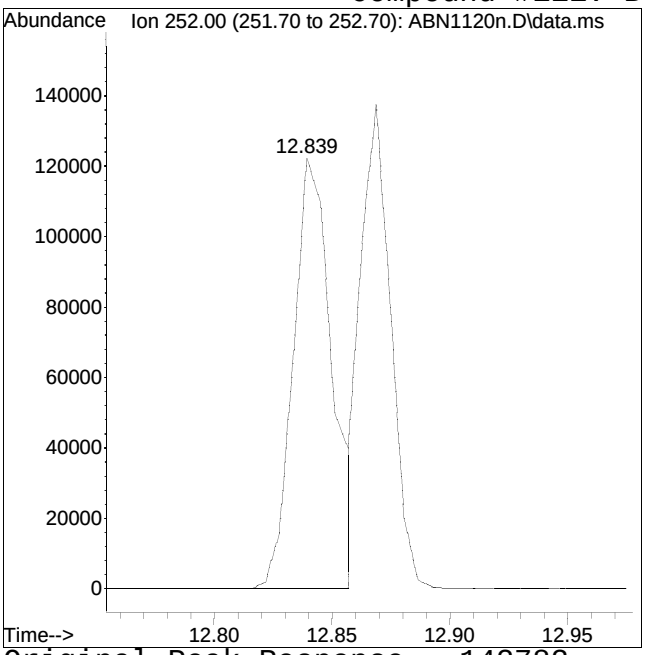
Original Peak Response = 9510 Manual Peak Response = 8788 M3

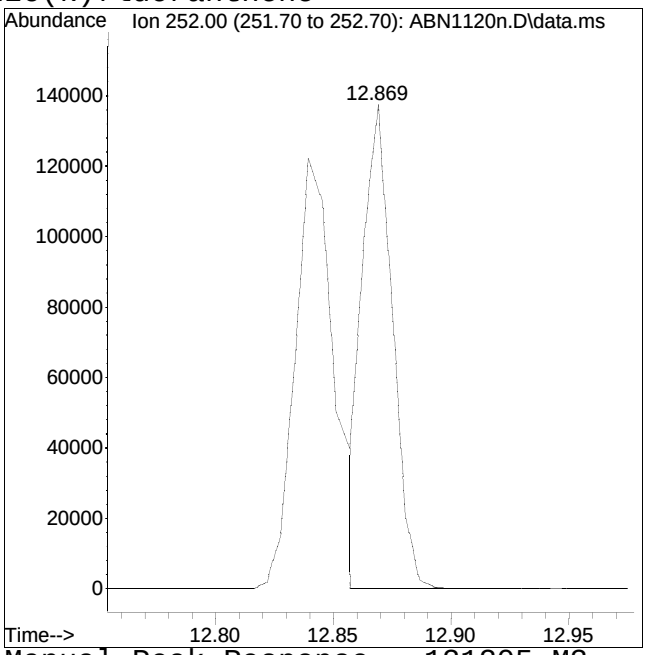
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241120NRVT\ QMethod : FS240625SV112RVT.m
Data File : ABN1120n.D Operator : SV112:cmm
Date Inj'd : 11/20/2024 11:19 pm Instrument : SV112
Sample : WG1999664-3,32,,ABN RVT CCQuant Date : 11/20/2024 11:41 pm

Compound #111: Benzo(k)fluoranthene





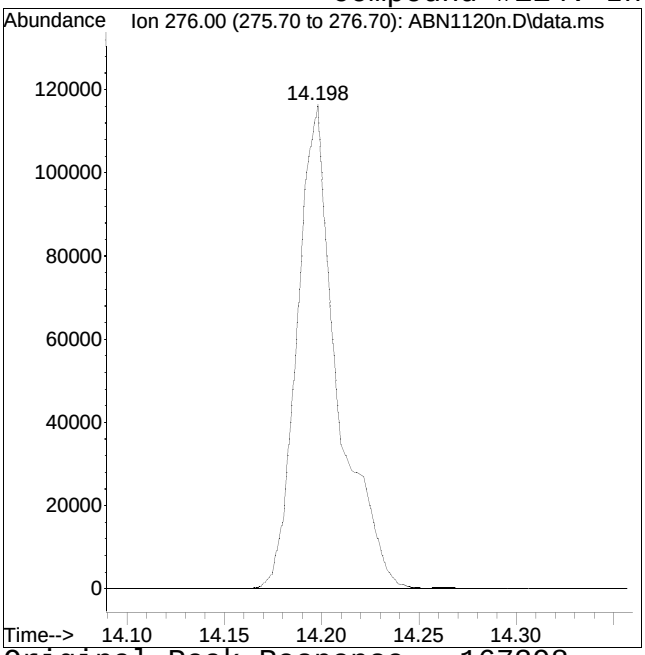
Original Peak Response = 142782 Manual Peak Response = 121205 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

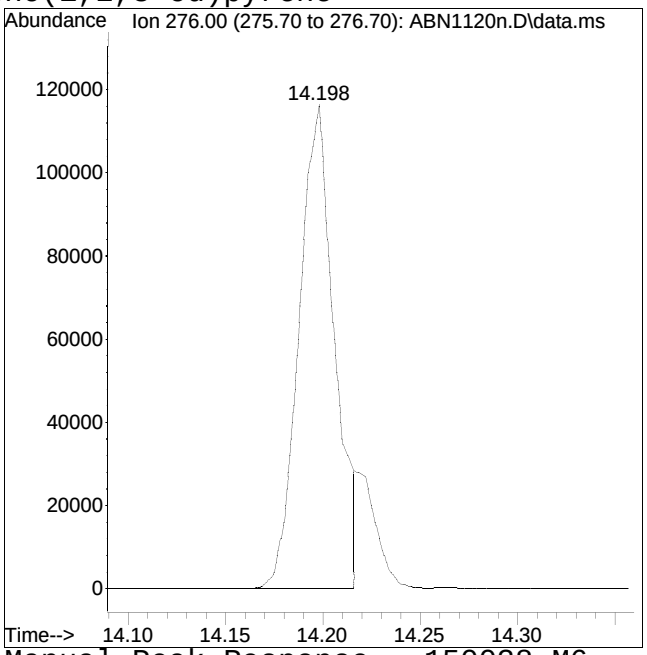
Manual Integration Report

Data Path : I:\8270\SV112\241120NRVT\ QMethod : FS240625SV112RVT.m
Data File : ABN1120n.D Operator : SV112:cmm
Date Inj'd : 11/20/2024 11:19 pm Instrument : SV112
Sample : WG1999664-3,32,,ABN RVT CCQuant Date : 11/20/2024 11:41 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 167398



Manual Peak Response = 150038 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\241120NRVT\
Data File : AP91120n.D
Acq On : 20 Nov 2024 11:42 pm
Operator : SV112:cmm
Sample : WG1999664-4,32,,AP9 RVT CCV Lot # 10909
Misc : WG1999664,,ical21241
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Nov 21 00:05:14 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:06:11 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	96	0.00
28	T	Benzaldehyde		1.094	0.986	9.9	88	0.00
29	T	Acetophenone		1.903	1.696	10.9	82	0.00
30	T	m-Toluidine		1.828	1.617	11.5	81	0.00
31	T	2-Chloroaniline		1.742	1.527	12.3	82	0.00
55	I	IS2_Naphthalene-d8		1.000	1.000	0.0	86	0.00
56	T	a-Terpineol		0.277	0.310	-11.9	95	0.00
57	T	3-Chloroaniline		0.150	0.151	-0.7	87	0.00
58	T	2,6-Dichlorophenol		0.326	0.315	3.4	81	0.00
59	T	1-chloro-2-nitrobenzene		0.143	0.137	4.2	81	0.00
60	T	Caprolactam	*	5.000	5.222	-4.4	97	0.00
61	T	1,2,4,5-Tetrachlorobenzene		0.479	0.407	15.0	74	0.00
62	T	Biphenyl		1.026	0.807	21.3#	68	0.00
83	I	IS2_Acenaphthene-d10		1.000	1.000	0.0	75	0.00
84	T	Dichloran	*	5.000	4.636	7.3	81	0.00
85	T	Pentachloronitrobenzene		0.235	0.221	6.0	74	0.00
98	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	73	0.00
99	T	Diphenamid		0.515	0.469	8.9	64	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : AP91120n.D
Acq On : 20 Nov 2024 11:42 pm
Operator : SV112:cmm
Sample : WG1999664-4,32,,AP9 RVT CCV Lot # 10909
Misc : WG1999664,,ical21241
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Nov 21 00:05:14 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:06:11 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.752	152	20403	4.000	ug/ml		0.00
55) IS2_Naphthalene-d8	5.987	136	70453	4.000	ug/ml		0.00
83) IS2_Acenaphthene-d10	7.687	164	39070	4.000	ug/ml		0.00
98) IS2_Phenanthrene-d10	9.116	188	85684	4.000	ug/ml	#	0.00
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.322	105	25134	4.506	ug/ml		97
29) Acetophenone	5.152	105	43249	4.455	ug/ml		97
30) m-Toluidine	5.234	106	41250	4.423	ug/ml		97
31) 2-Chloroaniline	5.593	127	38944	4.383	ug/ml		98
56) a-Terpineol	6.040	59	27272	5.585	ug/ml		96
57) 3-Chloroaniline	6.052	65	13299	5.027	ug/ml		90
58) 2,6-Dichlorophenol	6.081	162	27751	4.830	ug/ml		92
59) 1-chloro-2-nitrobenzene	6.334	111	12096	4.795	ug/ml		91
60) Caprolactam	6.369	55	15305	5.222	ug/ml		95
61) 1,2,4,5-Tetrachloroben...	6.852	216	35821	4.244	ug/ml	#	97
62) Biphenyl	7.140	154	71102	3.933	ug/ml		98
84) Dichloran	8.810	206	10346	4.636	ug/ml	#	64
85) Pentachloronitrobenzene	8.963	237	10810	4.714	ug/ml	#	79
99) Diphenamid	10.016	167	50212	4.552	ug/ml		88

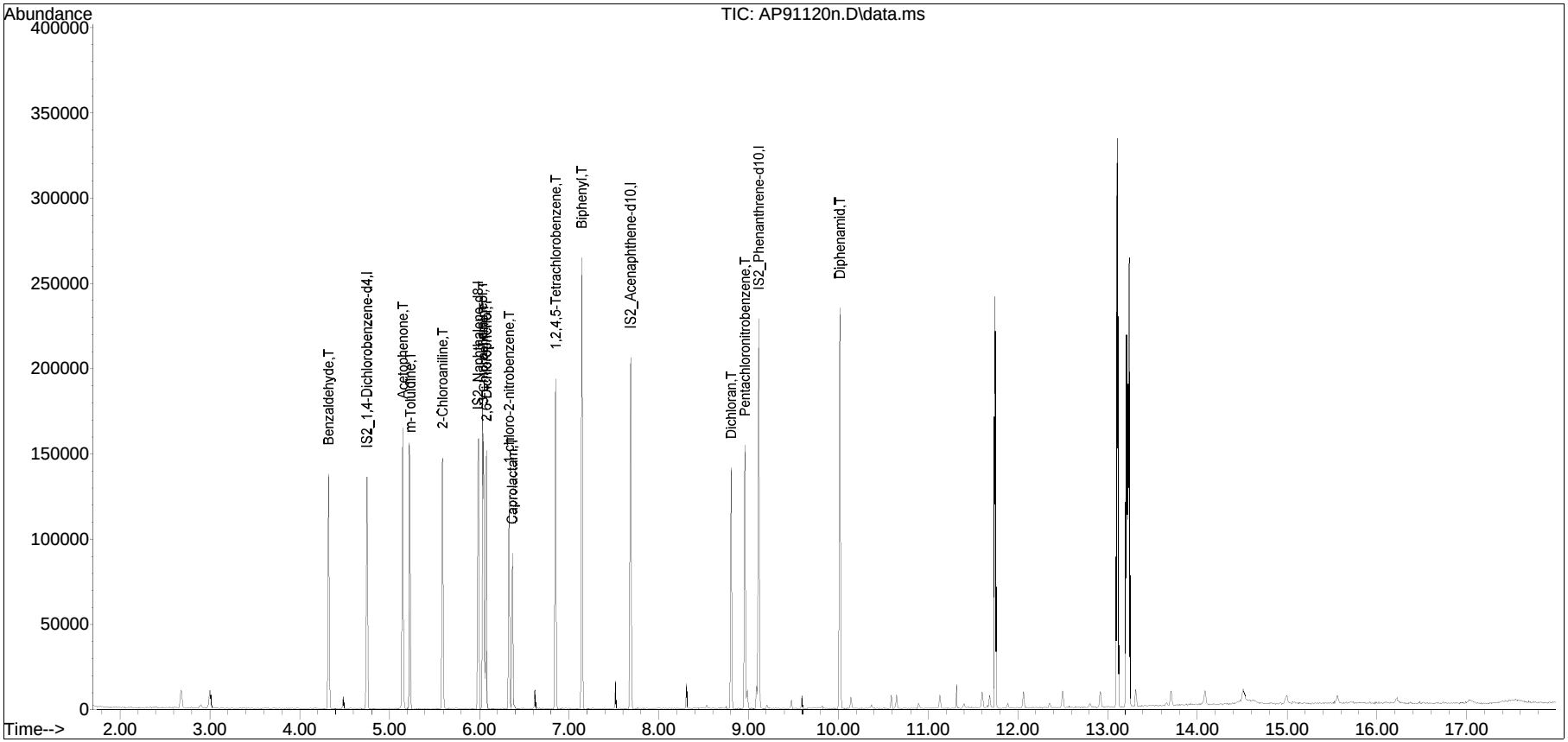
(#) = qualifier out of range (m) = manual integration (+) = signals summed

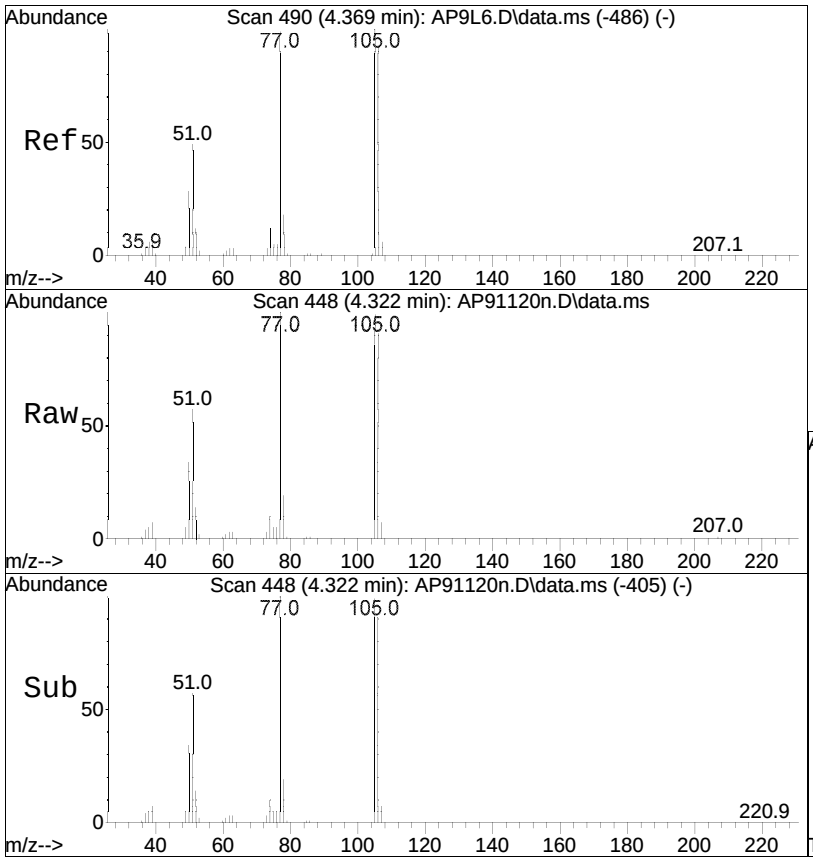
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : AP91120n.D
Acq On : 20 Nov 2024 11:42 pm
Operator : SV112:cmm
Sample : WG1999664-4,32,,AP9 RVT CCV Lot # 10909
Misc : WG1999664,,ical21241
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Nov 21 00:05:14 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:06:11 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

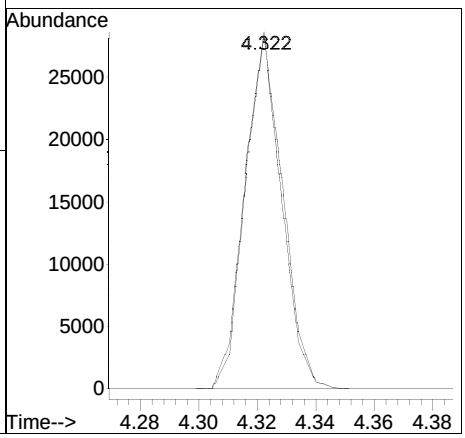


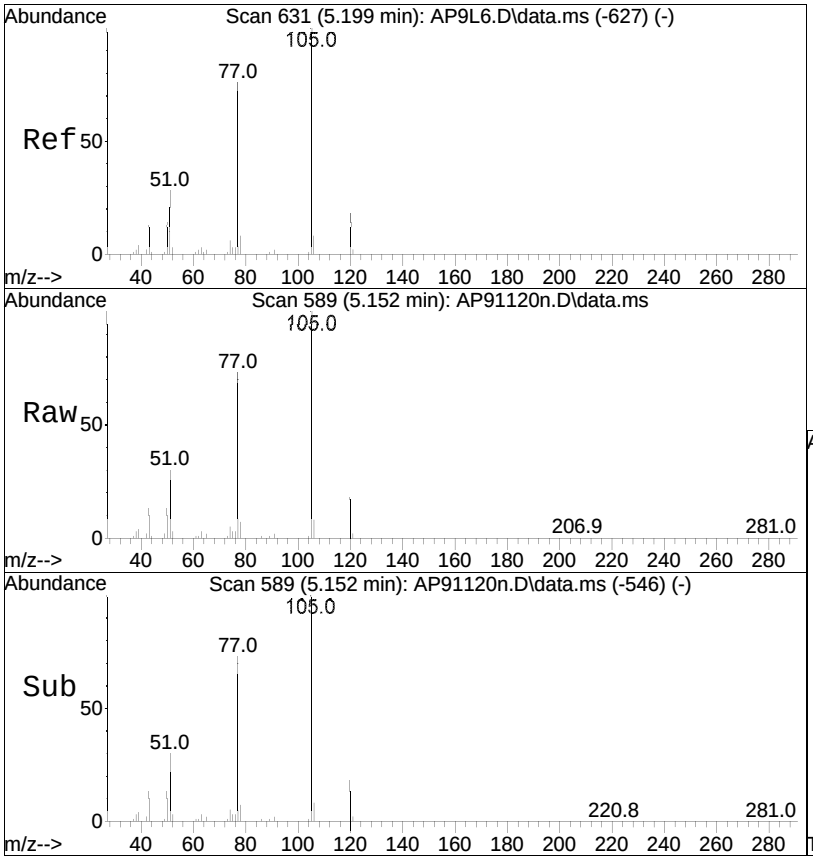


#28
Benzaldehyde
Concen: 4.51 ug/ml
RT: 4.322 min Scan# 448
Delta R.T. 0.000 min
Lab File: AP91120n.D
Acq: 20 Nov 2024 11:42 pm

Tgt Ion:105 Resp: 25134

Ion	Ratio	Lower	Upper
105	100		
77	99.0	77.0	115.6

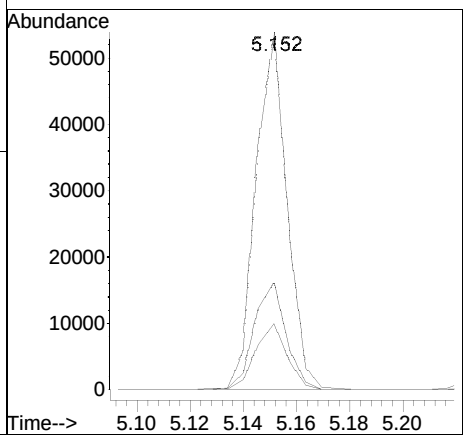


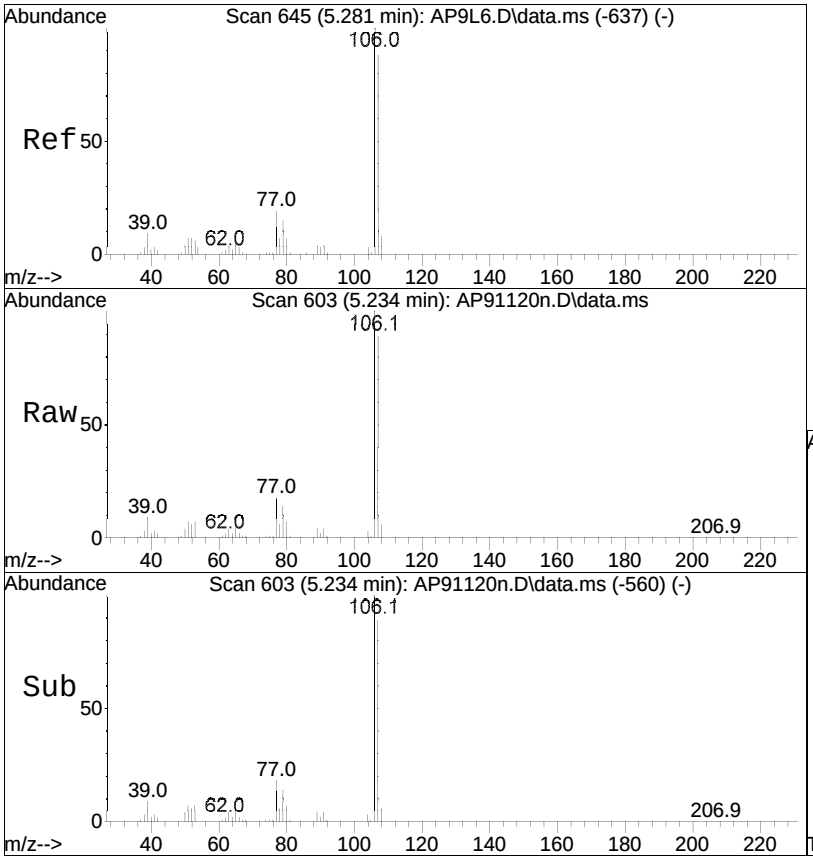


#29
Acetophenone
Concen: 4.46 ug/ml
RT: 5.152 min Scan# 589
Delta R.T. 0.000 min
Lab File: AP91120n.D
Acq: 20 Nov 2024 11:42 pm

Tgt Ion:105 Resp: 43249

Ion	Ratio	Lower	Upper
105	100		
120	18.7	15.2	22.8
51	31.1	23.1	34.7

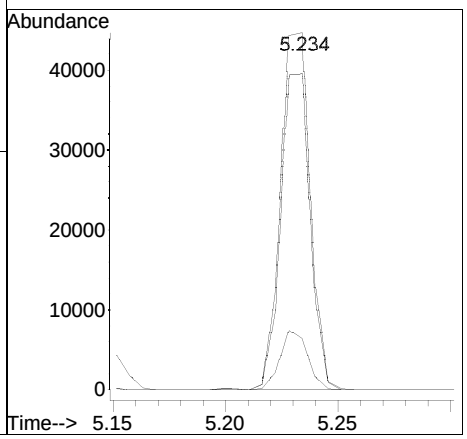


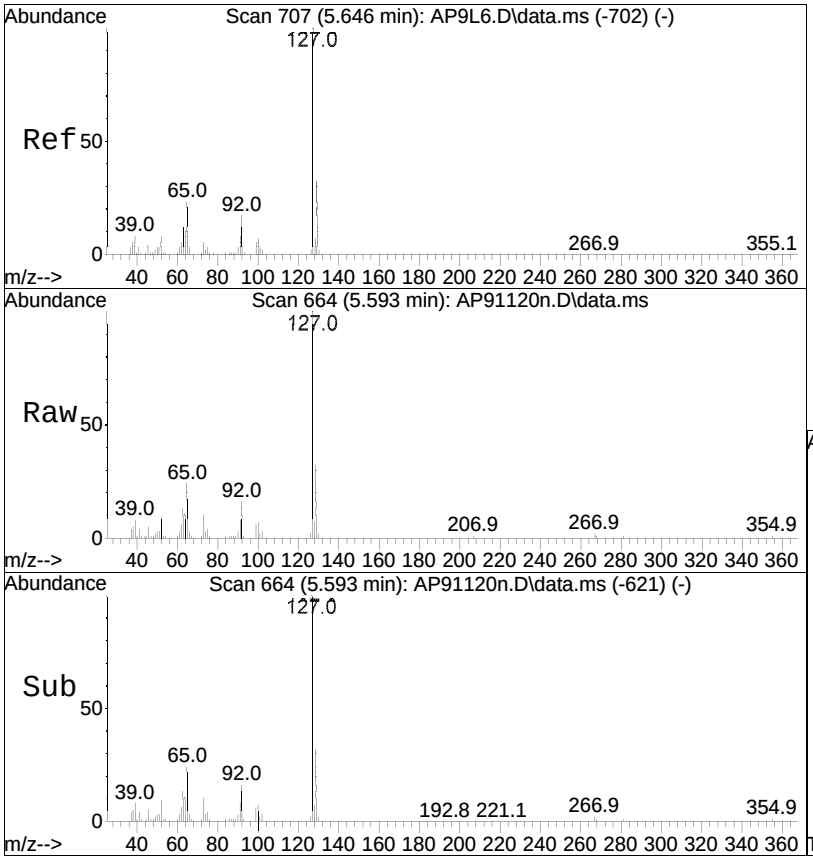


#30
m-Toluidine
Concen: 4.42 ug/ml
RT: 5.234 min Scan# 603
Delta R.T. 0.000 min
Lab File: AP91120n.D
Acq: 20 Nov 2024 11:42 pm

Tgt Ion:106 Resp: 41250

Ion	Ratio	Lower	Upper
106	100		
107	87.3	72.3	108.5
79	15.4	12.2	18.2

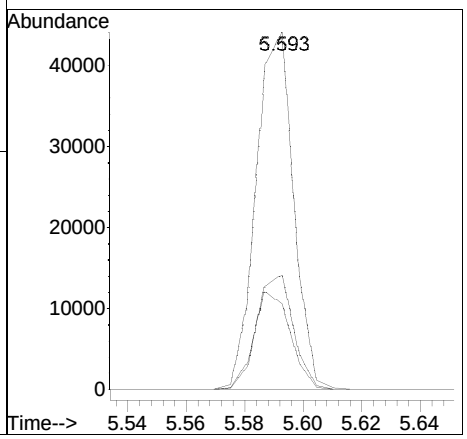


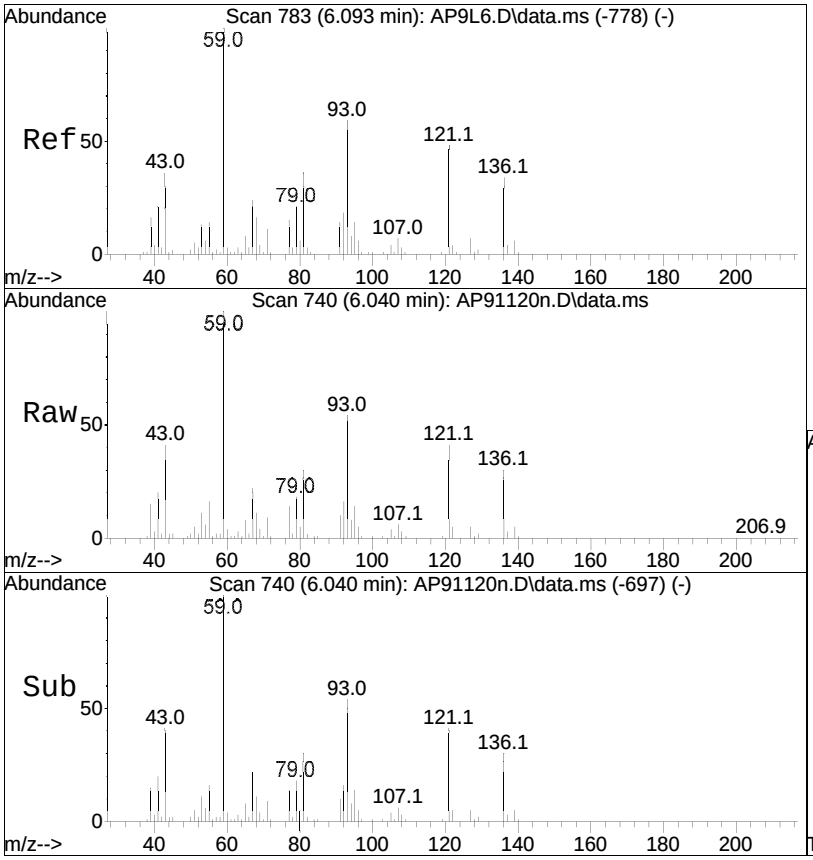


#31
2-Chloroaniline
Concen: 4.38 ug/ml
RT: 5.593 min Scan# 664
Delta R.T. 0.000 min
Lab File: AP91120n.D
Acq: 20 Nov 2024 11:42 pm

Tgt Ion:127 Resp: 38944

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.7	38.5
65	27.1	20.5	30.7

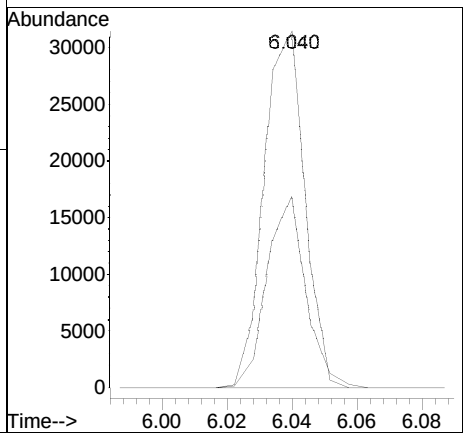


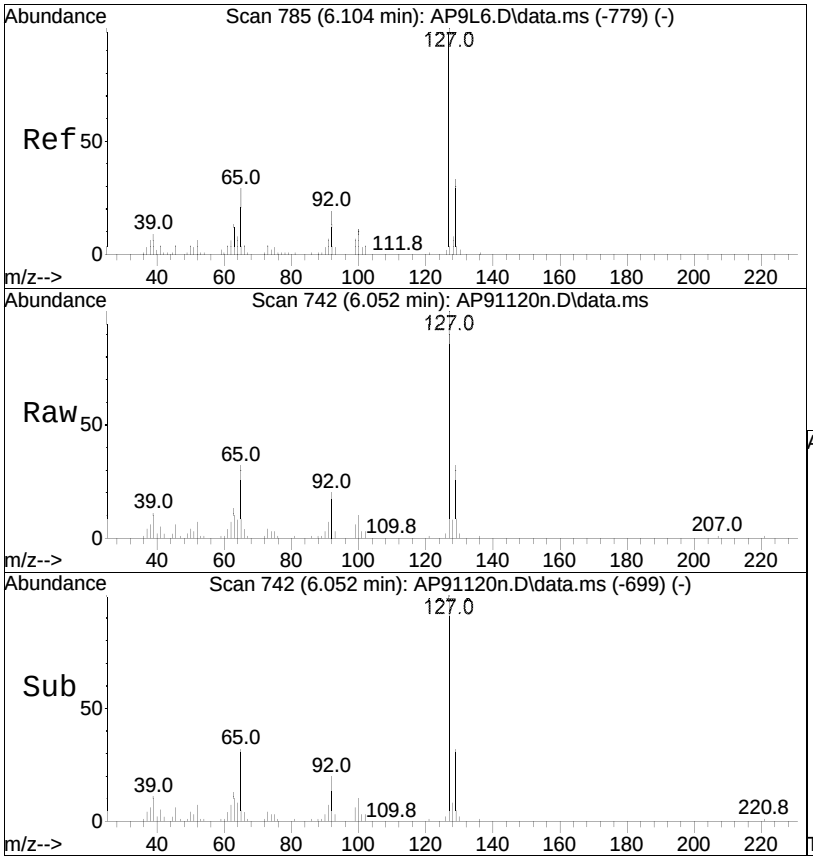


#56
a-Terpineol
Concen: 5.58 ug/ml
RT: 6.040 min Scan# 740
Delta R.T. 0.000 min
Lab File: AP91120n.D
Acq: 20 Nov 2024 11:42 pm

Tgt Ion: 59 Resp: 27272

Ion	Ratio	Lower	Upper
59	100		
93	51.4	43.5	65.3

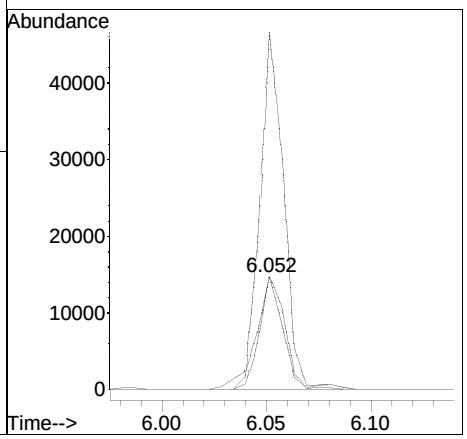


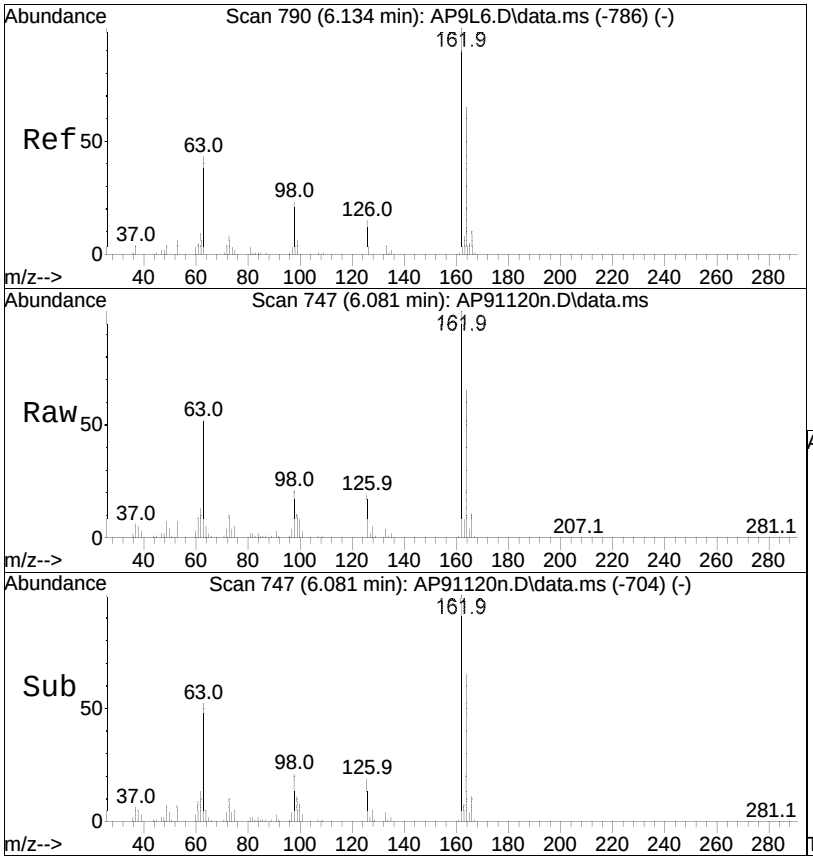


#57
3-Chloroaniline
Concen: 5.03 ug/ml
RT: 6.052 min Scan# 742
Delta R.T. 0.000 min
Lab File: AP91120n.D
Acq: 20 Nov 2024 11:42 pm

Tgt Ion: 65 Resp: 13299

Ion	Ratio	Lower	Upper
65	100		
127	273.3	236.6	355.0
129	92.2	76.6	115.0

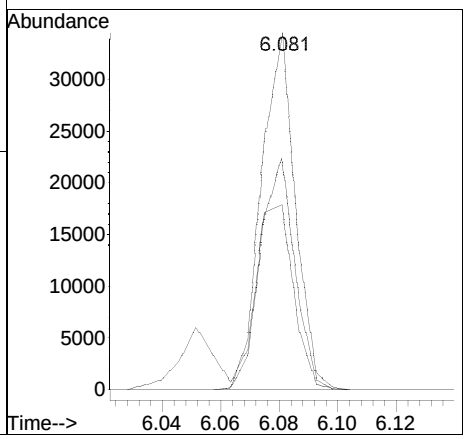


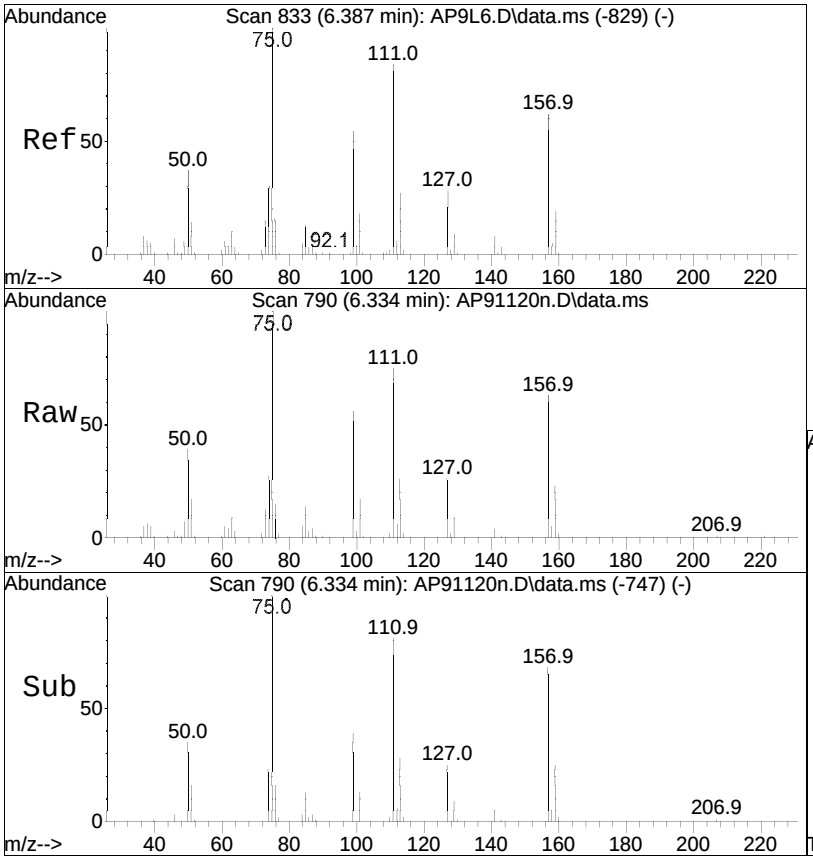


#58
2,6-Dichlorophenol
Concen: 4.83 ug/ml
RT: 6.081 min Scan# 747
Delta R.T. 0.000 min
Lab File: AP91120n.D
Acq: 20 Nov 2024 11:42 pm

Tgt Ion:162 Resp: 27751

Ion	Ratio	Lower	Upper
162	100		
164	66.0	50.8	76.2
63	57.5	53.6	80.4

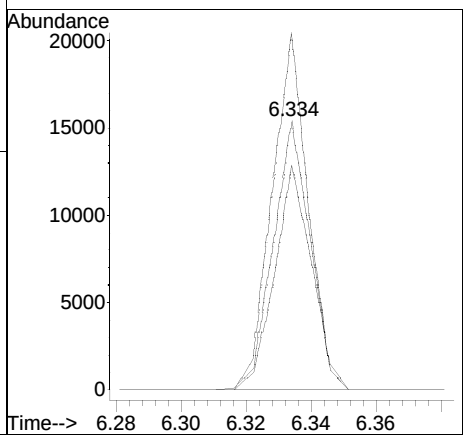


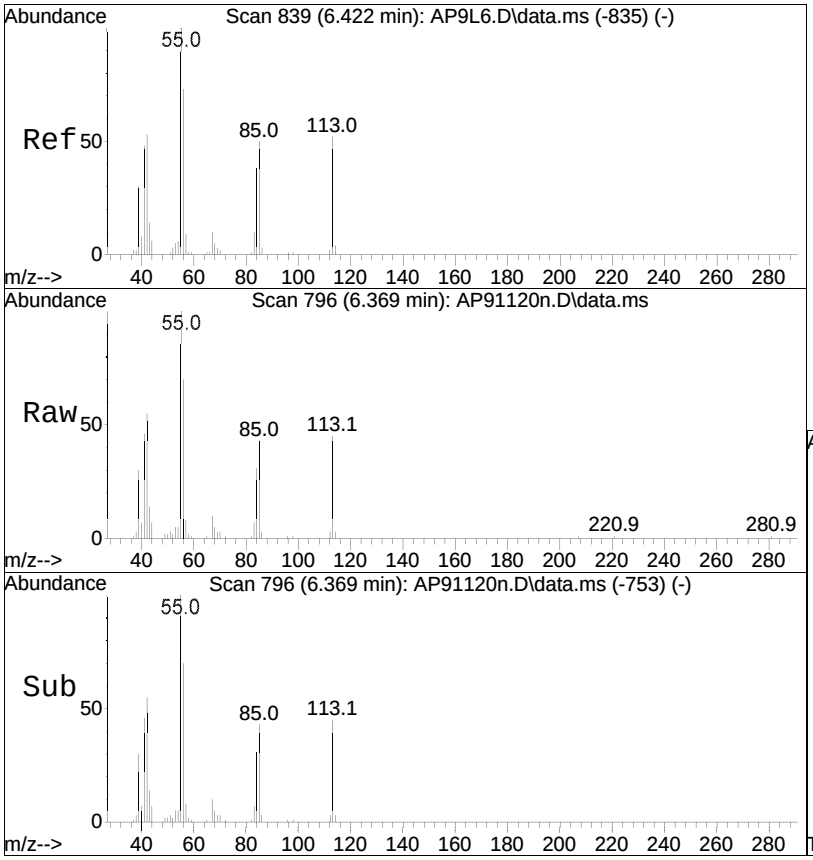


#59
1-chloro-2-nitrobenzene
Concen: 4.79 ug/ml
RT: 6.334 min Scan# 790
Delta R.T. 0.000 min
Lab File: AP91120n.D
Acq: 20 Nov 2024 11:42 pm

Tgt Ion:111 Resp: 12096

Ion	Ratio	Lower	Upper
111	100		
157	83.3	56.2	84.2
75	128.2	97.8	146.6

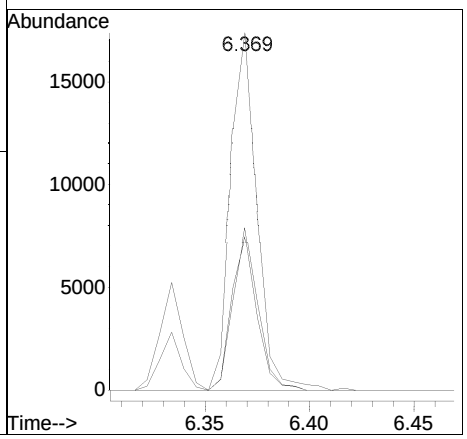


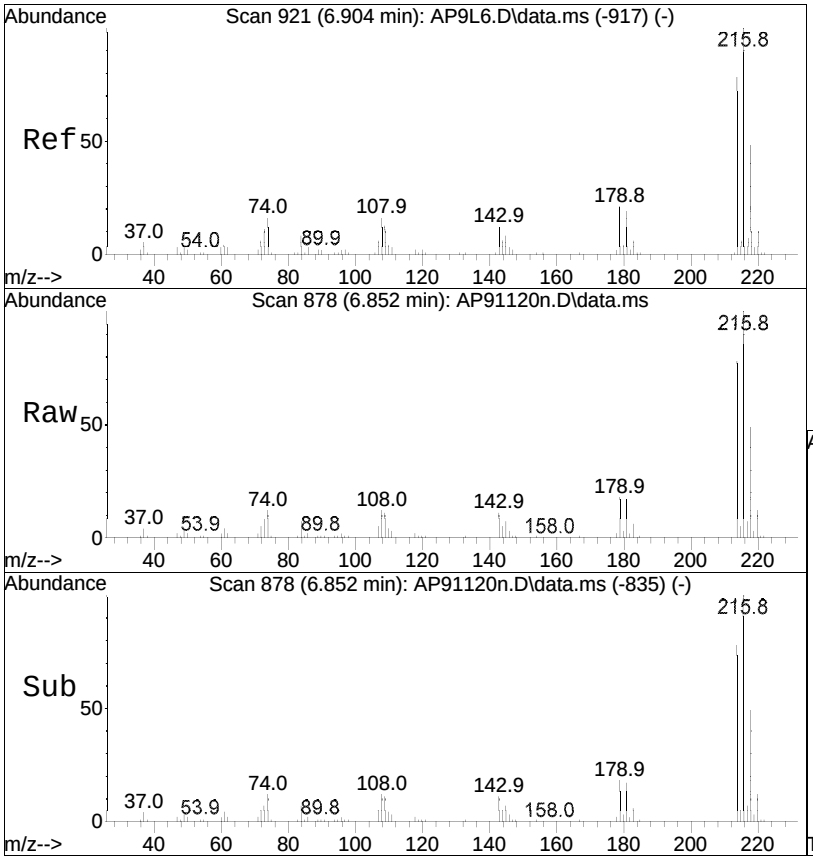


#60
Caprolactam
Concen: 5.22 ug/ml
RT: 6.369 min Scan# 796
Delta R.T. 0.000 min
Lab File: AP91120n.D
Acq: 20 Nov 2024 11:42 pm

Tgt Ion: 55 Resp: 15305

Ion	Ratio	Lower	Upper
55	100		
85	41.0	35.2	52.8
113	42.7	36.6	55.0

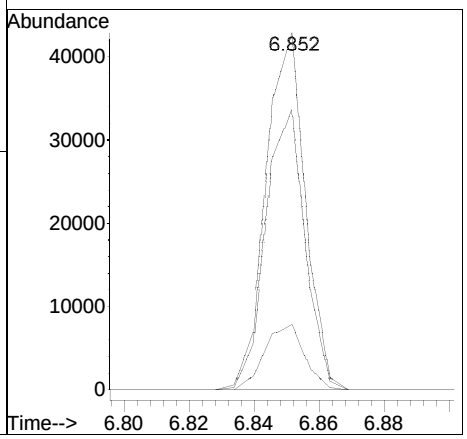


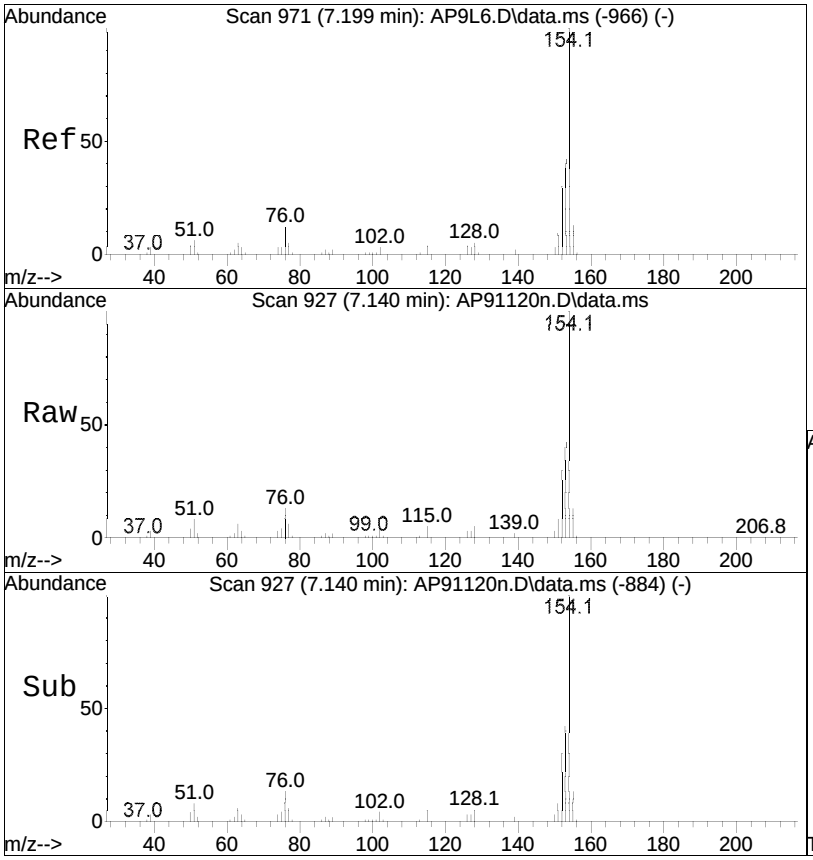


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.24 ug/ml
RT: 6.852 min Scan# 878
Delta R.T. 0.000 min
Lab File: AP91120n.D
Acq: 20 Nov 2024 11:42 pm

Tgt Ion:216 Resp: 35821

Ion	Ratio	Lower	Upper
216	100		
214	78.6	64.0	96.0
179	18.7	18.7	28.1#

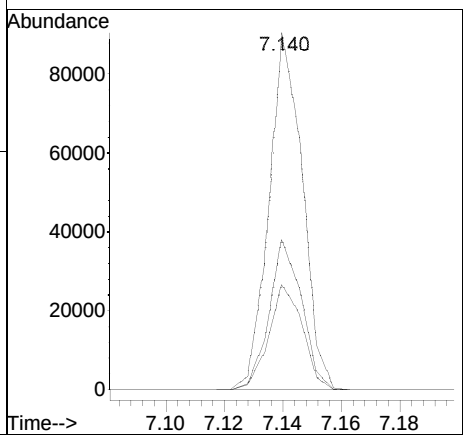


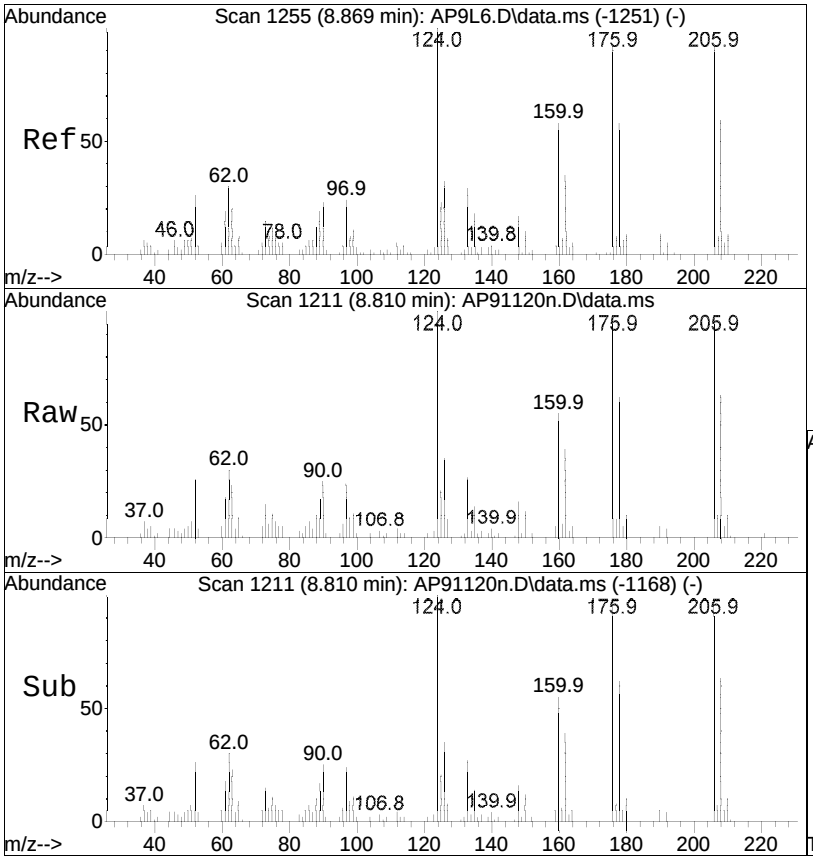


#62
Biphenyl
Concen: 3.93 ug/ml
RT: 7.140 min Scan# 927
Delta R.T. 0.000 min
Lab File: AP91120n.D
Acq: 20 Nov 2024 11:42 pm

Tgt Ion:154 Resp: 71102

Ion	Ratio	Lower	Upper
154	100		
153	41.3	32.5	48.7
152	30.0	22.6	34.0

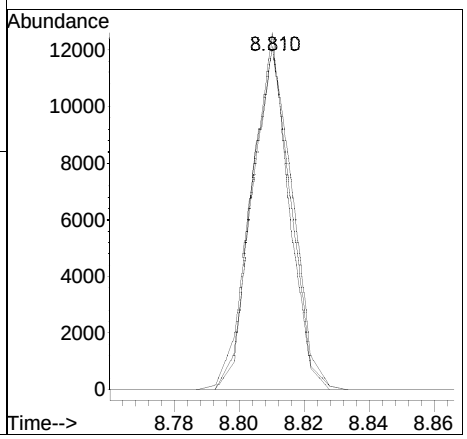


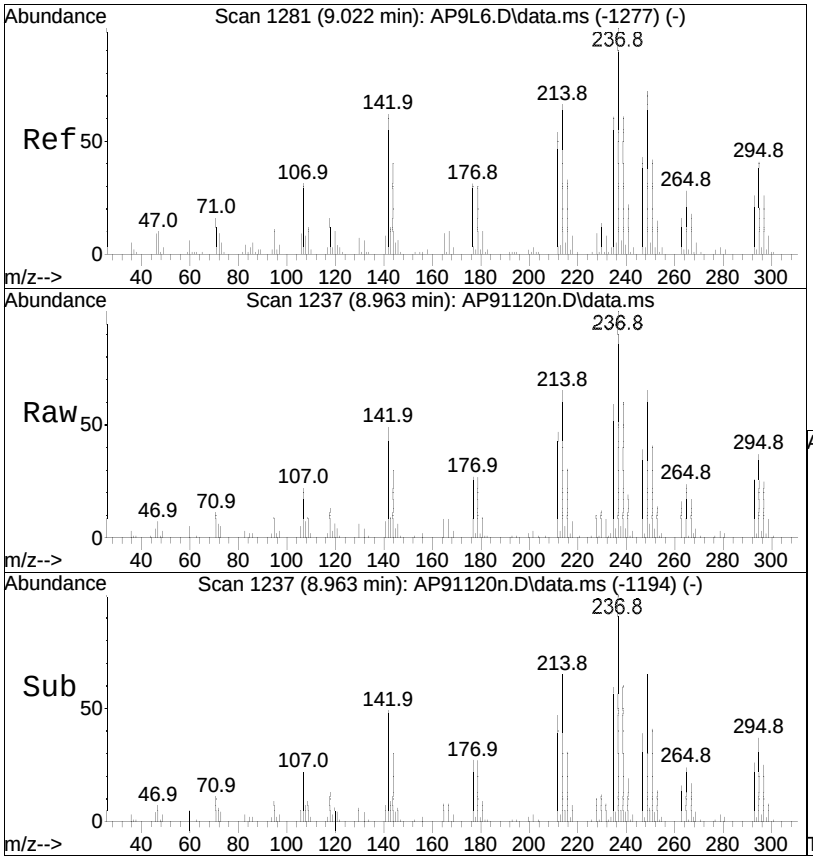


#84
Dichloran
Concen: 4.64 ug/ml
RT: 8.810 min Scan# 1211
Delta R.T. 0.000 min
Lab File: AP91120n.D
Acq: 20 Nov 2024 11:42 pm

Tgt Ion:206 Resp: 10346

Ion	Ratio	Lower	Upper
206	100		
176	95.8	98.8	148.2#
124	97.3	125.8	188.6#

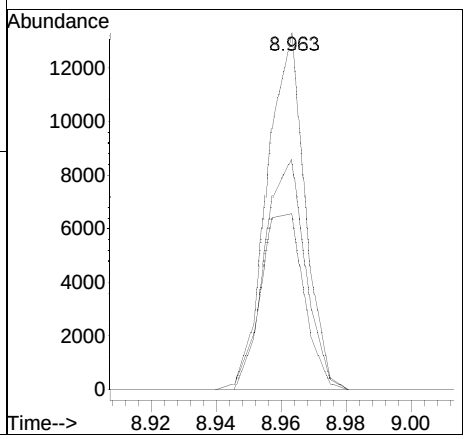


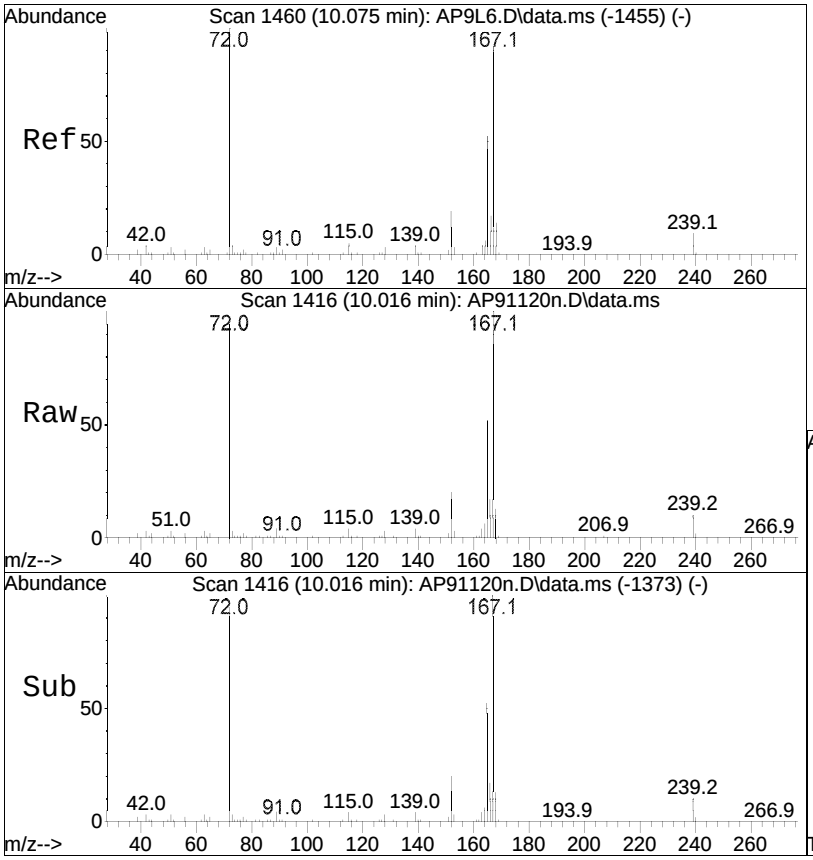


#85
Pentachloronitrobenzene
Concen: 4.71 ug/ml
RT: 8.963 min Scan# 1237
Delta R.T. 0.000 min
Lab File: AP91120n.D
Acq: 20 Nov 2024 11:42 pm

Tgt Ion:237 Resp: 10810

Ion	Ratio	Lower	Upper
237	100		
142	57.0	70.3	105.5#
214	69.0	59.4	89.2

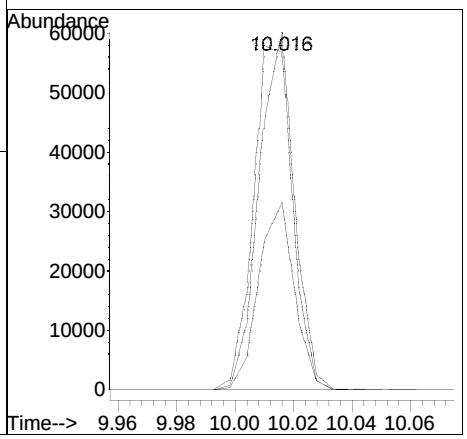




#99
Diphenamid
Concen: 4.55 ug/ml
RT: 10.016 min Scan# 1416
Delta R.T. 0.000 min
Lab File: AP91120n.D
Acq: 20 Nov 2024 11:42 pm

Tgt Ion:167 Resp: 50212

Ion	Ratio	Lower	Upper
167	100		
72	106.0	98.9	148.3
165	53.4	40.4	60.6



Manual Integration Report

Data Path	: I:\8270\SV112\241120NRVT\	QMethod	: FS240625SV112RVT.m
Data File	: AP91120n.D	Operator	: SV112:cmm
Date Inj'd	: 11/20/2024 11:42 pm	Instrument	: SV112
Sample	: WG1999664-4,32,,AP9 RVT CC	Quant Date	: 11/21/2024 0:06 am

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\241120NRVT\
Data File : ADP1120n.D
Acq On : 21 Nov 2024 12:05 am
Operator : SV112:cmm
Sample : WG1999664-5,32,,ADP RVT CCV Lot # 10751
Misc : WG1999664,,ical21241
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Nov 21 00:25:04 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:26:04 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	111	0.00
33	T	1,4-Dioxane		0.470	0.480	-2.1	128	0.00
34	T	n-Decane		1.145	1.455	-27.1#	152	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	100	0.00
87	T	Atrazine		0.441	0.373	15.4	94	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	92	0.00
101	T	n-Octadecane		0.315	0.395	-25.4#	130	0.00
102	T	Parathion	*	5.000	6.004	-20.1#	136	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	4.068	18.6	87	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : ADP1120n.D
Acq On : 21 Nov 2024 12:05 am
Operator : SV112:cmm
Sample : WG1999664-5,32,,ADP RVT CCV Lot # 10751
Misc : WG1999664,,ical21241
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Nov 21 00:25:04 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:26:04 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
32)	IS3_1,4-Dichlorobenzen...	4.752	152	22430	4.000	ug/ml		0.00
86)	IS3_Acenaphthene-d10	7.687	164	44935	4.000	ug/ml		0.00
100)	IS3_Phenanthrene-d10	9.116	188	99594	4.000	ug/ml	#	0.00
	System Monitoring Compounds							
	Target Compounds							Qvalue
33)	1,4-Dioxane	1.875	88	13455	5.101	ug/ml	#	72
34)	n-Decane	4.640	57	40790	6.350	ug/ml		90
87)	Atrazine	8.881	200	20949	4.226	ug/ml		98
101)	n-Octadecane	9.087	57	49151	6.273	ug/ml		94
102)	Parathion	9.893	109	13513	6.004	ug/ml	#	91
103)	3,3'-Dimethylbenzidine	11.175	212	79532	4.068	ug/ml		98

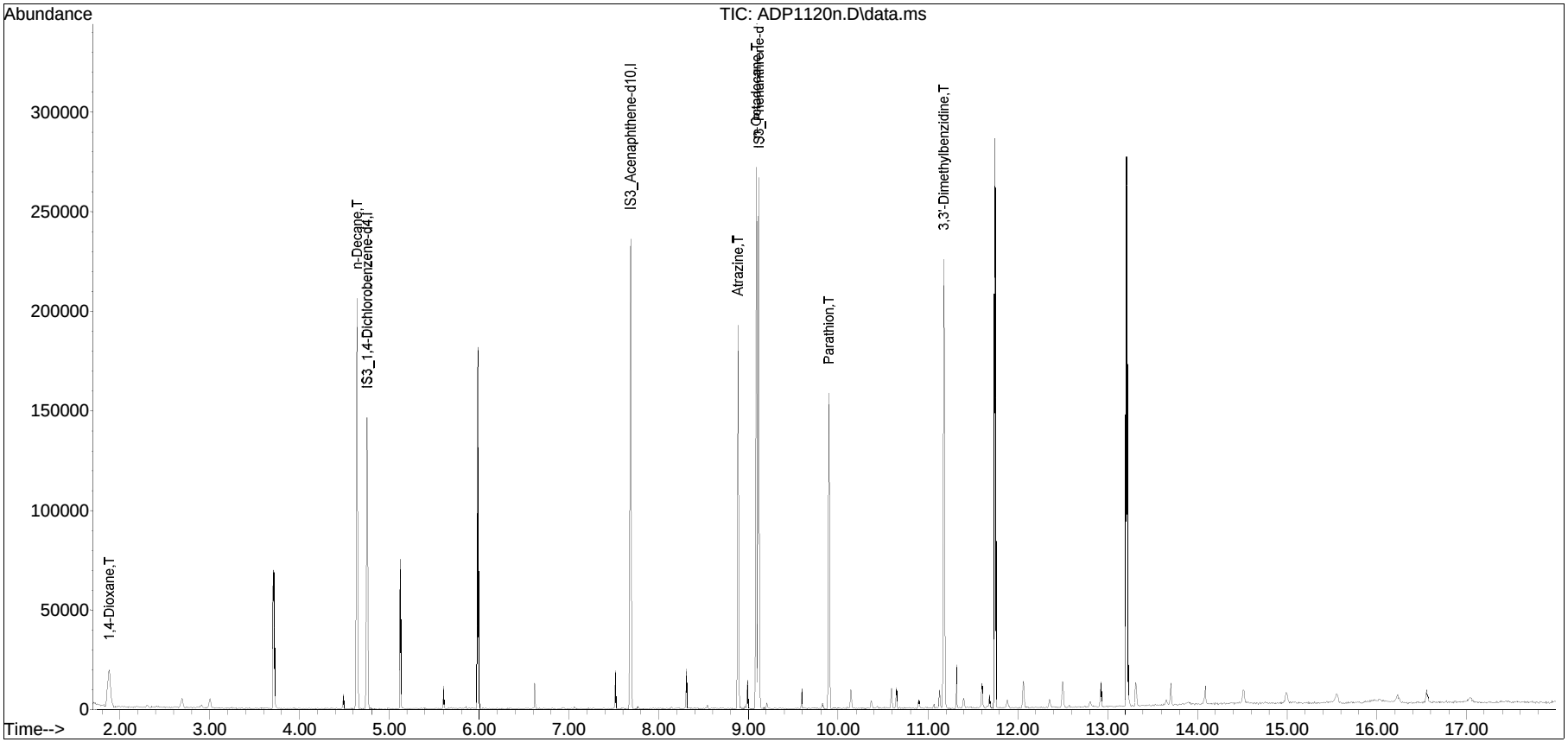
(#) = qualifier out of range (m) = manual integration (+) = signals summed

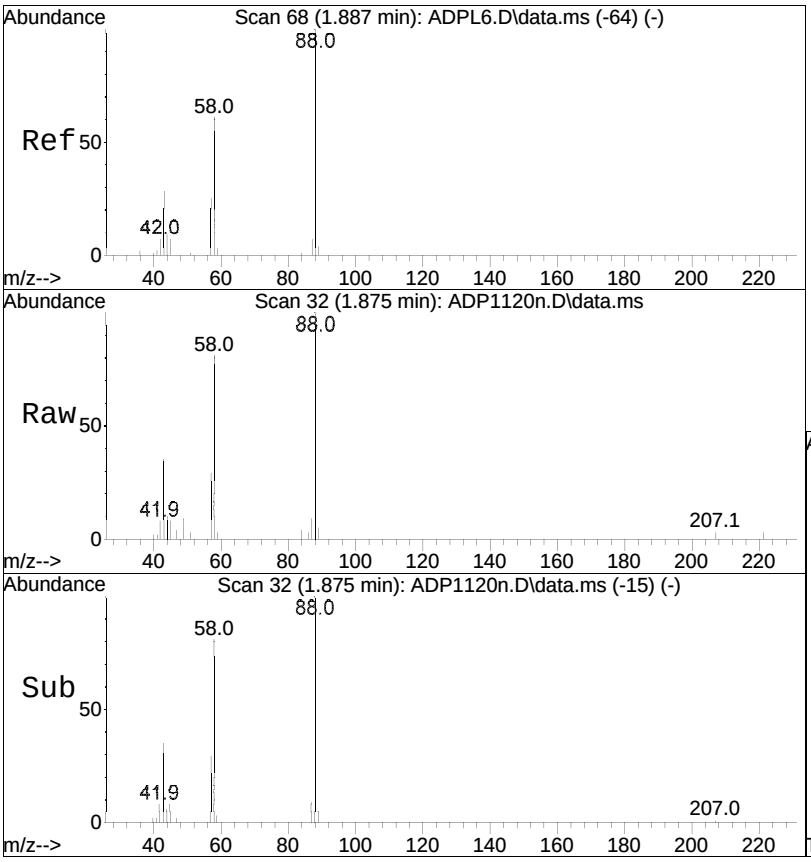
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : ADP1120n.D
Acq On : 21 Nov 2024 12:05 am
Operator : SV112:cmm
Sample : WG1999664-5,32,,ADP RVT CCV Lot # 10751
Misc : WG1999664,,ical21241
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Nov 21 00:25:04 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:26:04 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

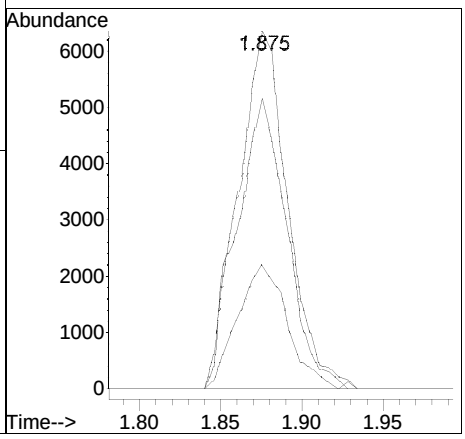


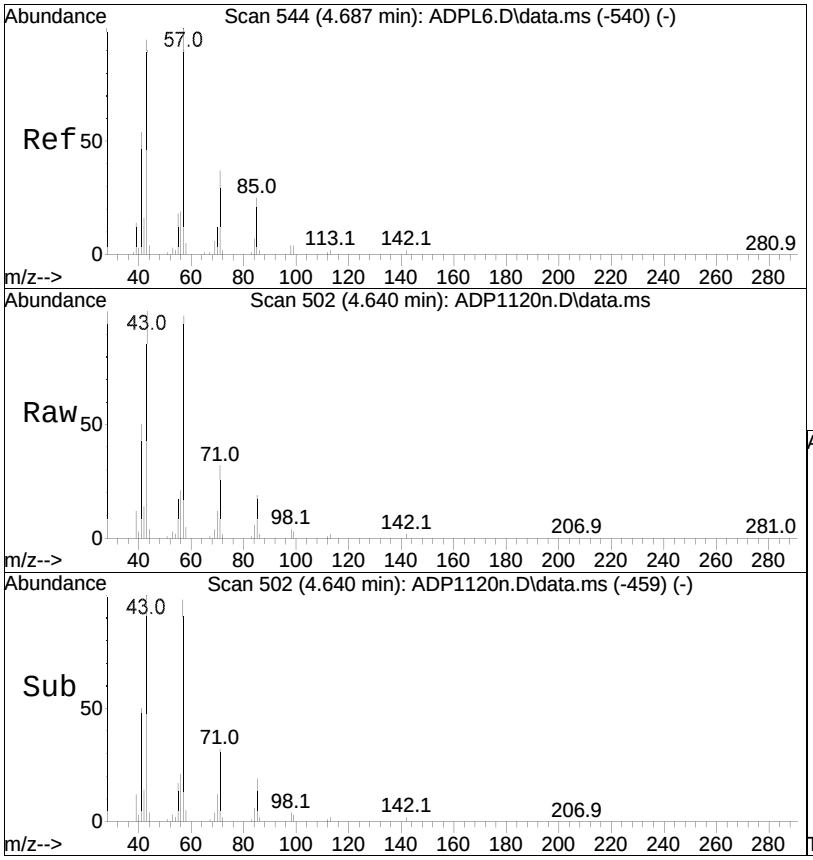


#33
1,4-Dioxane
Concen: 5.10 ug/ml
RT: 1.875 min Scan# 32
Delta R.T. 0.000 min
Lab File: ADP1120n.D
Acq: 21 Nov 2024 12:05 am

Tgt Ion: 88 Resp: 13455

Ion	Ratio	Lower	Upper
88	100		
58	81.7	44.8	67.2#
43	34.9	22.4	33.6#

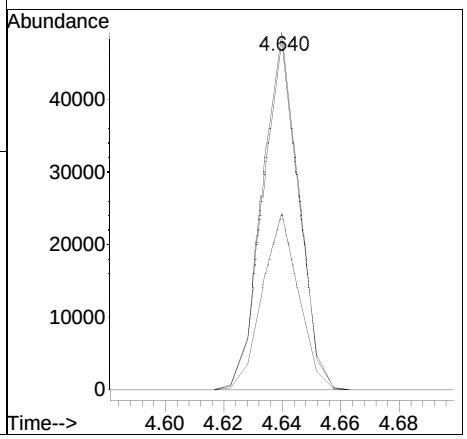


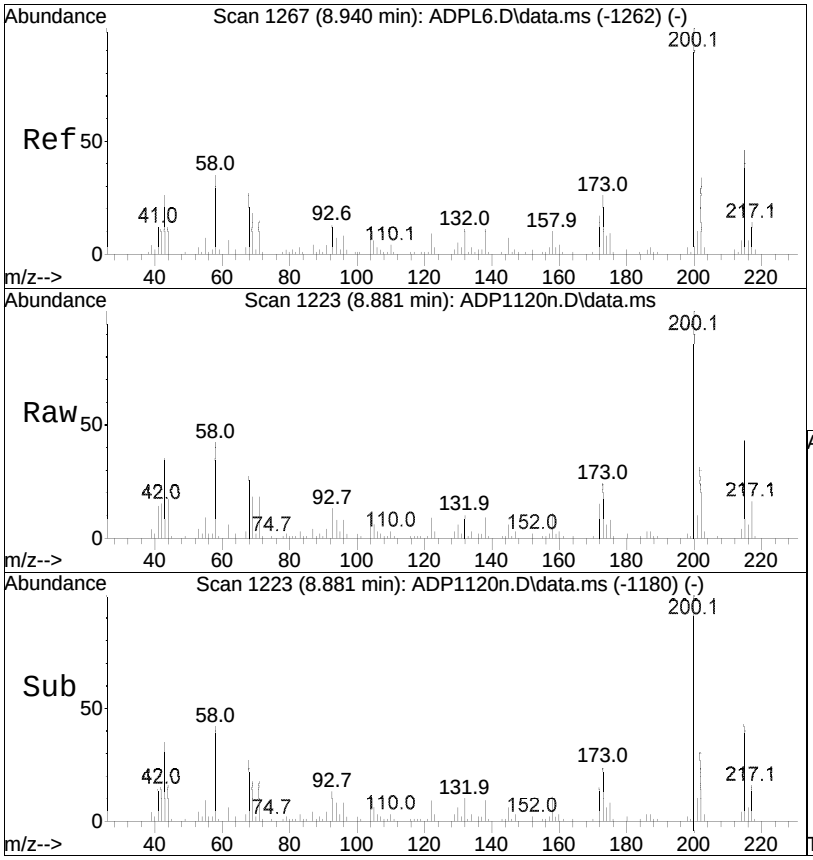


#34
n-Decane
Concen: 6.35 ug/ml
RT: 4.640 min Scan# 502
Delta R.T. 0.000 min
Lab File: ADP1120n.D
Acq: 21 Nov 2024 12:05 am

Tgt Ion: 57 Resp: 40790

Ion	Ratio	Lower	Upper
57	100		
43	103.5	75.4	113.2
41	51.0	35.0	52.6

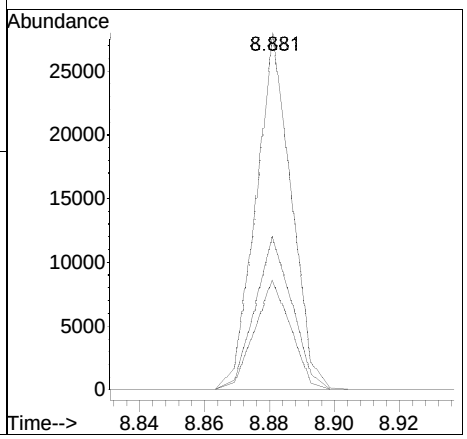


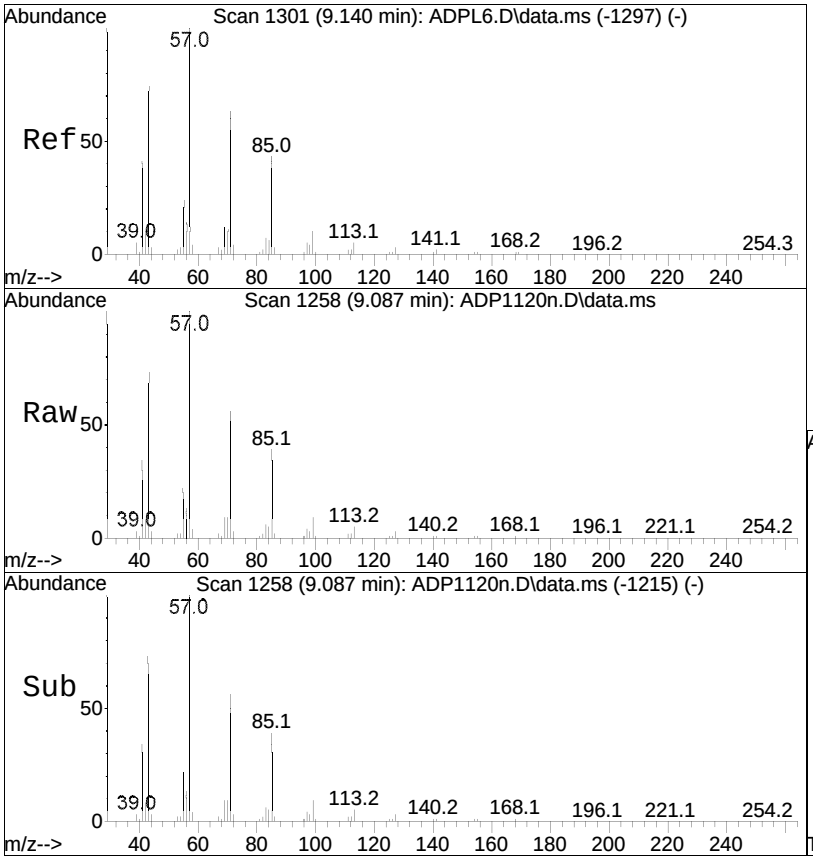


#87
Atrazine
Concen: 4.23 ug/ml
RT: 8.881 min Scan# 1223
Delta R.T. 0.000 min
Lab File: ADP1120n.D
Acq: 21 Nov 2024 12:05 am

Tgt Ion:200 Resp: 20949

Ion	Ratio	Lower	Upper
200	100		
202	31.6	25.0	37.6
215	45.0	34.5	51.7

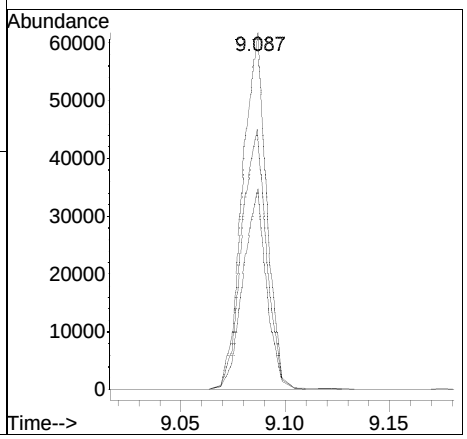


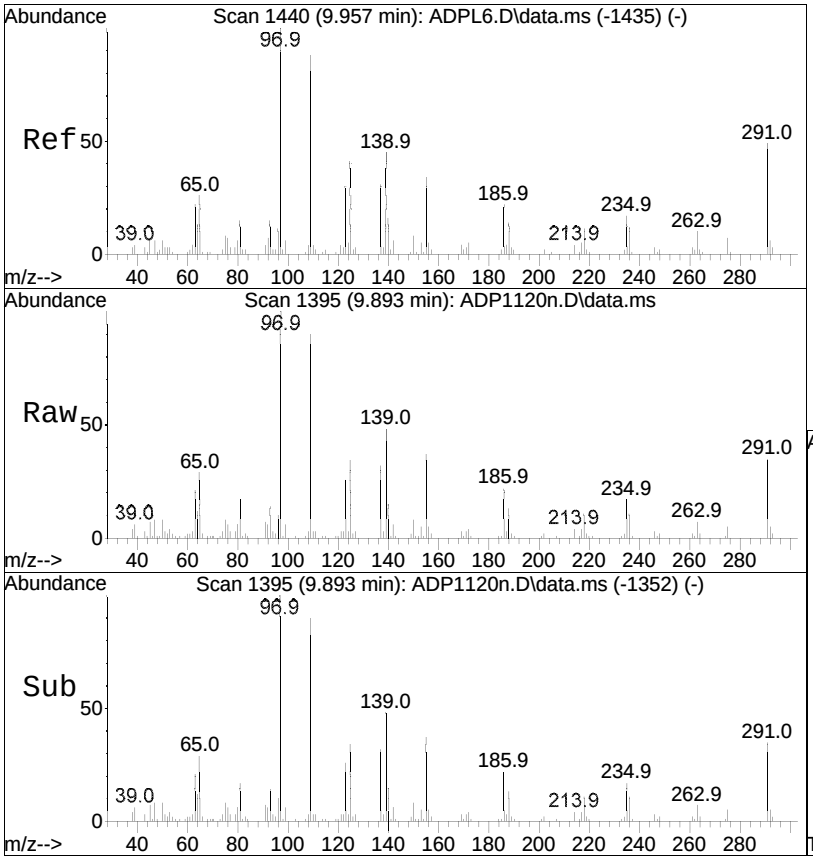


#101
n-Octadecane
Concen: 6.27 ug/ml
RT: 9.087 min Scan# 1258
Delta R.T. 0.000 min
Lab File: ADP1120n.D
Acq: 21 Nov 2024 12:05 am

Tgt Ion: 57 Resp: 49151

Ion	Ratio	Lower	Upper
57	100		
43	74.9	54.3	81.5
71	54.5	45.1	67.7

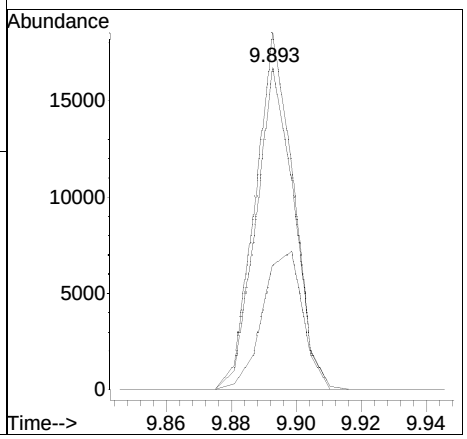


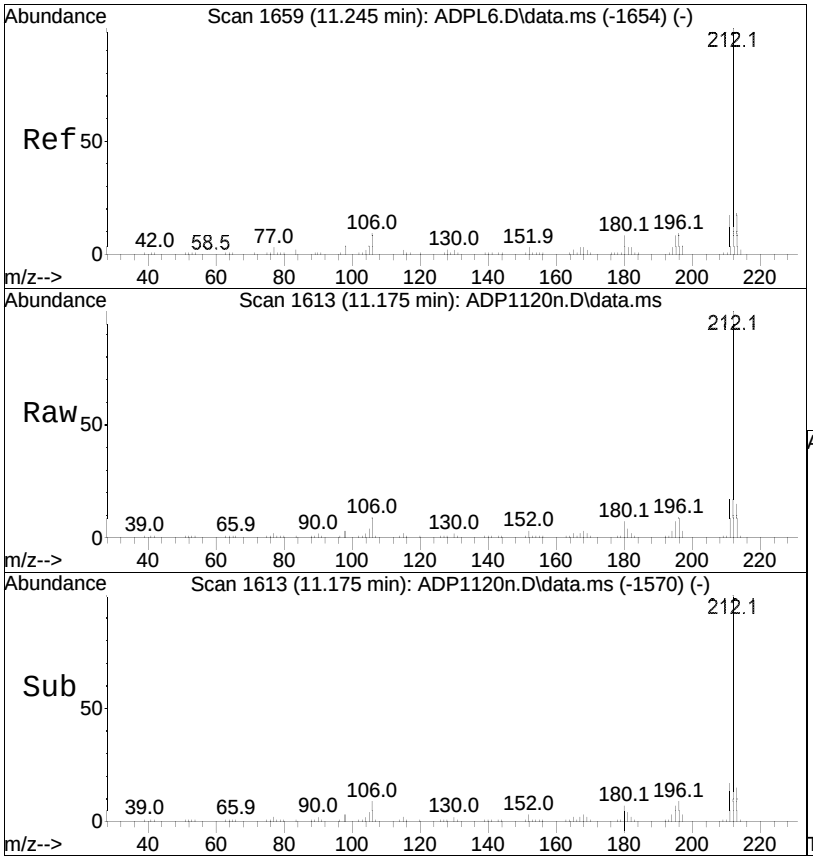


#102
Parathion
Concen: 6.00 ug/ml
RT: 9.893 min Scan# 1395
Delta R.T. 0.000 min
Lab File: ADP1120n.D
Acq: 21 Nov 2024 12:05 am

Tgt Ion:109 Resp: 13513

Ion	Ratio	Lower	Upper
109	100		
97	110.9	85.4	128.2
291	45.7	25.4	38.2#

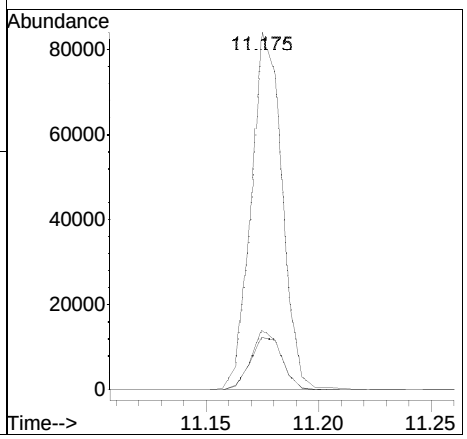




#103
3,3'-Dimethylbenzidine
Concen: 4.07 ug/ml
RT: 11.175 min Scan# 1613
Delta R.T. 0.000 min
Lab File: ADP1120n.D
Acq: 21 Nov 2024 12:05 am

Tgt Ion:212 Resp: 79532

Ion	Ratio	Lower	Upper
212	100		
211	16.3	13.3	19.9
213	15.6	13.4	20.2



Manual Integration Report

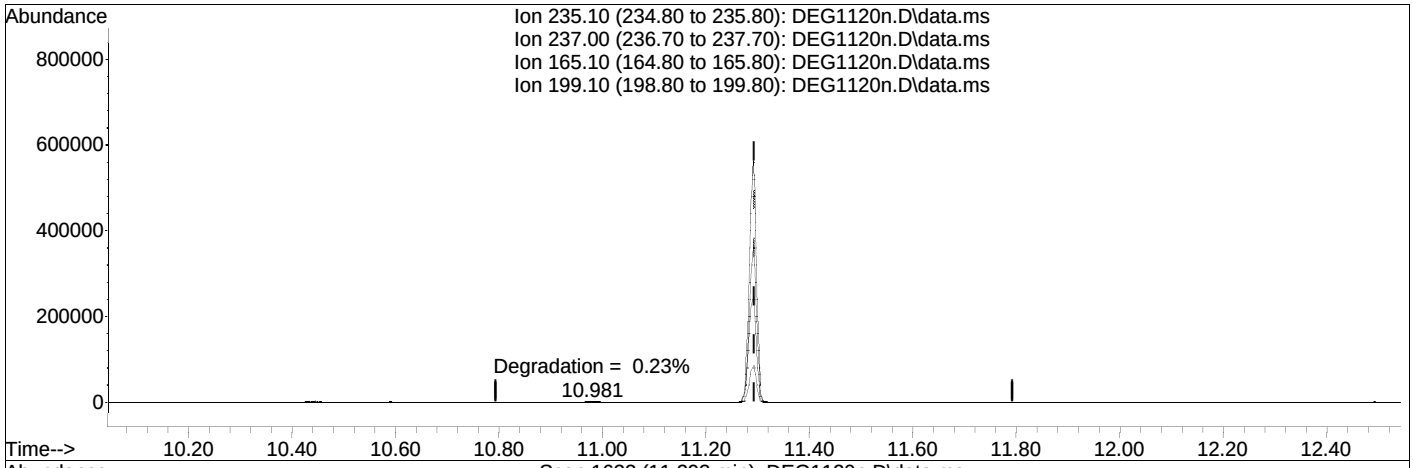
Data Path	: I:\8270\SV112\241120NRVT\	QMethod	: FS240625SV112RVT.m
Data File	: ADP1120n.D	Operator	: SV112:cmm
Date Inj'd	: 11/21/2024 12:05 am	Instrument	: SV112
Sample	: WG1999664-5,32,,ADP RVT CC	Quant Date	: 11/21/2024 0:26 am

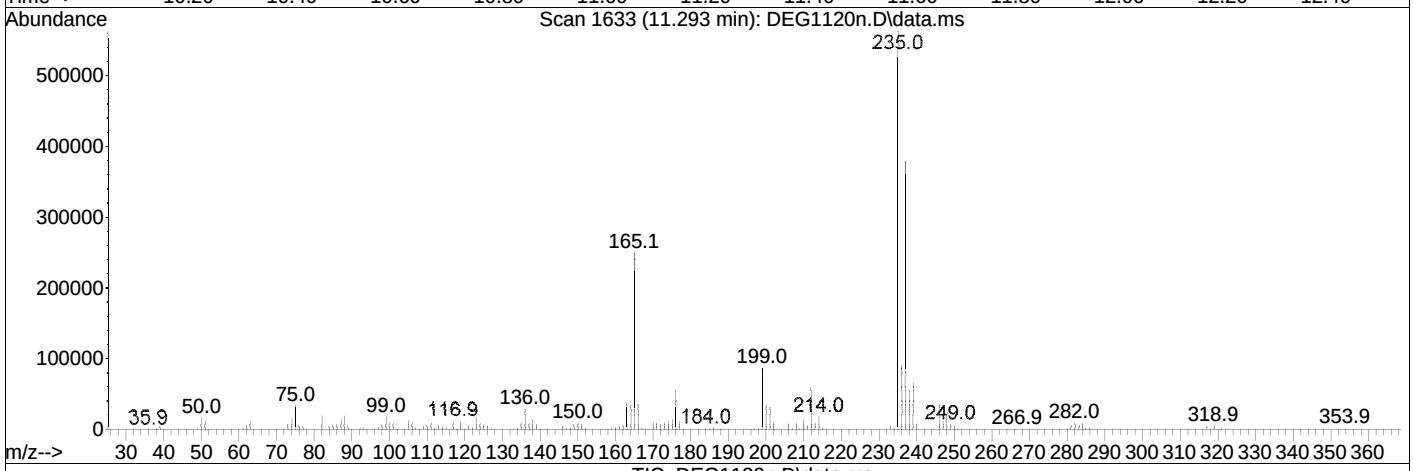
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\241120NRVT\
Data File : DEG1120n.D
Acq On : 20 Nov 2024 10:56 pm
Operator : SV112:cmm
Sample : WG1999664-2,32,,SV112 Degdftpp Lot # 11157
Misc : WG1999664,,ical21241
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Nov 20 23:15:30 2024
Quant Method : I:\8270\SV112\241120NRVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 20 23:16:45 2024
Response via : Initial Calibration





TIC: DEG1120n.D\data.ms

(6) DDT (T)

11.293min (-0.000) 84.75

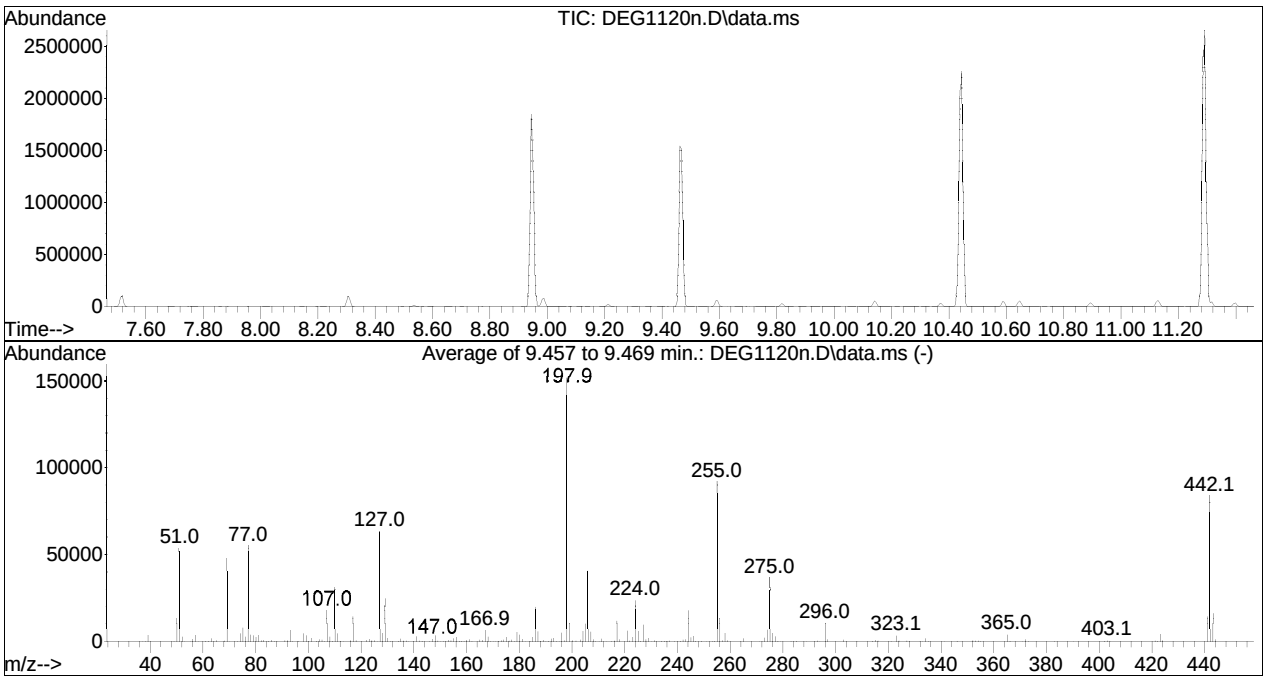
response 516625

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	65.65
165.10	42.20	45.44
199.10	13.70	15.20

Data Path : I:\8270\SV112\241120NRVT\
Data File : DEG1120n.D
Acq On : 20 Nov 2024 10:56 pm
Operator : SV112: ASK
Sample : WG1999664-1,32,,SV112 Degdftpp Lot # 11157
Misc : WG1999664,,ical21241
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Nov 21 00:06:08 2024



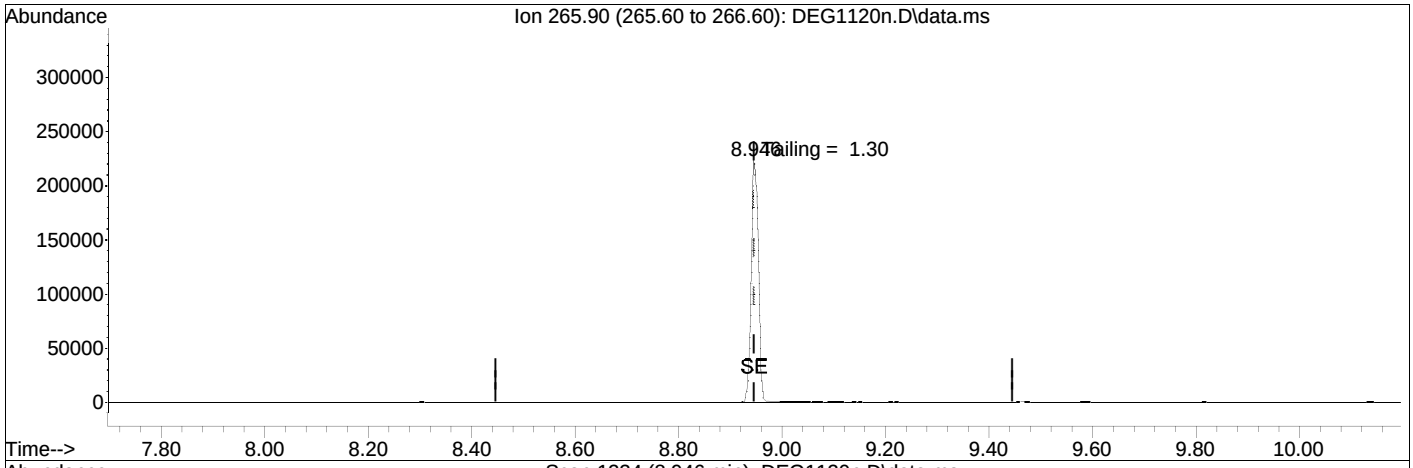
Spectrum Information: Average of 9.457 to 9.469 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.2	53501	PASS
68	69	0.00	2	1.6	766	PASS
69	69	100	100	100.0	47680	PASS
70	69	0.00	2	0.6	278	PASS
127	198	10	80	41.8	63451	PASS
197	198	0.00	2	0.6	863	PASS
198	198	100	100	100.0	151819	PASS
199	198	5	9	7.0	10603	PASS
275	198	10	60	24.1	36522	PASS
365	198	1	100	2.6	3946	PASS
441	442	0.01	24	17.3	14477	PASS
442	198	50	100	55.2	83788	PASS
443	442	15	24	19.3	16204	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\241120NRVT\
Data File : DEG1120n.D
Acq On : 20 Nov 2024 10:56 pm
Operator : SV112:cmm
Sample : WG1999664-7,32,,SV112 Degdftpp Lot # 11157
Misc : WG1999664,,ical21241
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Nov 20 23:15:30 2024
Quant Method : I:\8270\SV112\241120NRVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 20 23:16:45 2024
Response via : Initial Calibration



TIC: DEG1120n.D\data.ms

(1) Pentachlorophenol (T)

8.946min (-0.000) 95.71

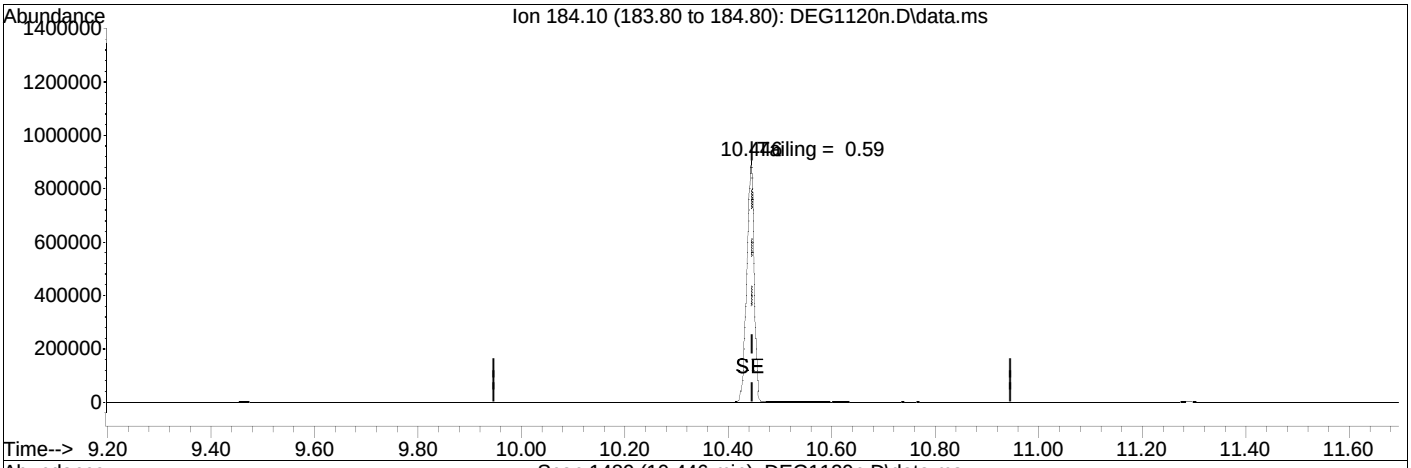
response 201031

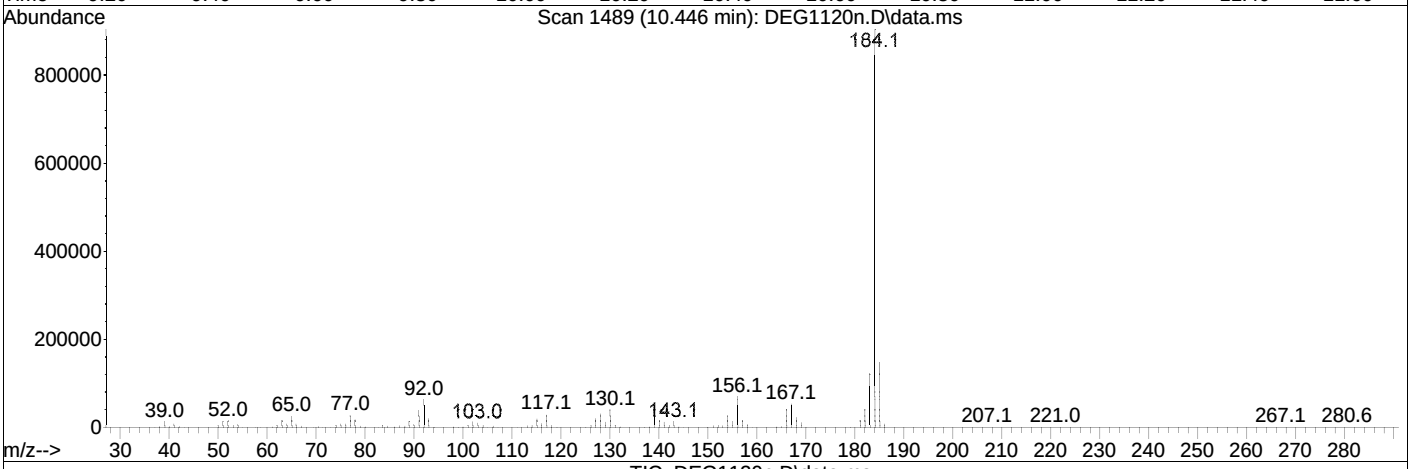
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\241120NRVT\
Data File : DEG1120n.D
Acq On : 20 Nov 2024 10:56 pm
Operator : SV112:cmm
Sample : WG1999664-6,32,,SV112 Degdftpp Lot # 11157
Misc : WG1999664,,ical21241
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Nov 20 23:15:30 2024
Quant Method : I:\8270\SV112\241120NRVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 20 23:16:45 2024
Response via : Initial Calibration





TIC: DEG1120n.D\data.ms

(3) Benzidine (T)

10.446min (-0.000) 83.36

response 848640

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059		
Instrument ID	: SV112	Calibration Date	: 11/20/24 23:19		
Lab File ID	: ABN1120N	Init. Calib. Date(s)	: 06/25/24	06/26/24	
Sample No	: WG1999664-3	Init. Calib. Times	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	83	0
n-Nitrosodimethylamine	0.657	0.732	-	-11.4	20	85	0
Pyridine	1.043	1.101	-	-5.6	20	77	0
2-Fluorophenol	1.05	1.083	-	-3.1	20	85	0
Aniline	1.811	1.69	-	6.7	20	80	0
2-Chlorophenol	1.251	1.191	-	4.8	20	81	0
Phenol-d6	1.357	1.331	-	1.9	20	81	0
Phenol	1.577	1.562	-	1	20	83	0
Bis(2-chloroethyl)ether	1.167	1.121	-	3.9	20	83	0
1,3-Dichlorobenzene	1.508	1.389	-	7.9	20	78	0
1,4-Dichlorobenzene	1.575	1.4	-	11.1	20	79	0
1,2-Dichlorobenzene	1.475	1.314	-	10.9	20	77	0
Benzyl alcohol	0.945	0.945	-	0	20	83	0
Bis(2-chloroisopropyl)ethe	1.475	1.932	-	-31*	20	113	0
2-Methylphenol	1.056	1.034	-	2.1	20	82	0
Hexachloroethane	0.558	0.539	-	3.4	20	83	0
n-Nitrosodi-n-propylamine	0.865	0.809	-	6.5	20	80	0
3-Methylphenol/4-Methylphe	1.15	1.088	-	5.4	20	78	0
Nitrobenzene-d5	1.294	1.214	-	6.2	20	79	0
Nitrobenzene	1.289	1.221	-	5.3	20	79	0
Isophorone	2.328	2.213	-	4.9	20	81	0
2-Nitrophenol	0.574	0.616	-	-7.3	20	89	0
2,4-Dimethylphenol	1.101	0.914	-	17	20	76	0
Bis(2-chloroethoxy)methane	1.567	1.406	-	10.3	20	80	0
2,4-Dichlorophenol	1.153	1.052	-	8.8	20	78	0
1,2,4-Trichlorobenzene	1.46	1.231	-	15.7	20	77	0
IS1_Naphthalene-d8	1	1	-	0	20	79	0
Naphthalene	1.049	0.971	-	7.4	20	77	0
Benzoic Acid	5	5.479	-	-9.6	20	100	0
4-Chloroaniline	0.118	0.124	-	-5.1	20	83	0
Hexachlorobutadiene	0.246	0.247	-	-0.4	20	86	0
p-Chloro-m-cresol	0.277	0.276	-	0.4	20	80	0
2-Methylnaphthalene	0.713	0.645	-	9.5	20	78	0
1-Methylnaphthalene	0.245	0.212	-	13.5	20	77	0
Hexachlorocyclopentadiene	0.251	0.28	-	-11.6	20	97	0
2,4,6-Trichlorophenol	0.256	0.251	-	2	20	79	0
2,4,5-Trichlorophenol	0.262	0.261	-	0.4	20	79	0
2-Fluorobiphenyl	0.904	0.801	-	11.4	20	77	0
2-Chloronaphthalene	0.759	0.665	-	12.4	20	75	0
2-Nitroaniline	0.2	0.207	-	-3.5	20	85	0
1,4-Dinitrobenzene	0.098	0.109	-	-11.2	20	91	0
1,3-Dinitrobenzene	0.114	0.118	-	-3.5	20	84	0
Dimethyl phthalate	0.923	0.804	-	12.9	20	76	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059		
Instrument ID	: SV112	Calibration Date	: 11/20/24 23:19		
Lab File ID	: ABN1120N	Init. Calib. Date(s)	: 06/25/24	06/26/24	
Sample No	: WG1999664-3	Init. Calib. Times	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.12	1.041	-	7.1	20	77	0
2,6-Dinitrotoluene	0.173	0.169	-	2.3	20	82	0
1,2-Dinitrobenzene	0.076	0.077	-	-1.3	20	86	0
IS1_Acenaphthene-d10	1	1	-	0	20	79	0
3-Nitroaniline	0.299	0.316	-	-5.7	20	81	0
Acenaphthene	1.115	1.032	-	7.4	20	79	0
2,4-Dinitrophenol	5	5.607	-	-12.1	20	99	0
Dibenzofuran	1.837	1.627	-	11.4	20	75	0
2,4-Dinitrotoluene	0.383	0.394	-	-2.9	20	80	0
4-Nitrophenol	0.29	0.247	-	14.8	20	69	0
2,3,5,6-Tetrachlorophenol	0.377	0.431	-	-14.3	20	88	0
2,3,4,6-Tetrachlorophenol	0.37	0.388	-	-4.9	20	84	0
Diethyl phthalate	1.487	1.303	-	12.4	20	77	0
Fluorene	1.431	1.295	-	9.5	20	77	0
4-Chlorophenyl phenyl ethe	0.78	0.658	-	15.6	20	76	0
4-Nitroaniline	0.314	0.324	-	-3.2	20	77	0
4,6-Dinitro-o-cresol	5	5.425	-	-8.5	20	104	0
NDPA/DPA	1.231	1.093	-	11.2	20	75	0
Azobenzene	1.305	1.189	-	8.9	20	75	0
2,4,6-Tribromophenol	0.257	0.229	-	10.9	20	77	0
4-Bromophenyl phenyl ether	0.5	0.42	-	16	20	76	0
Hexachlorobenzene	0.628	0.485	-	22.8*	20	73	0
Pentachlorophenol	0.322	0.341	-	-5.9	20	90	0
IS1_Phenanthrene-d10	1	1	-	0	20	81	0
Phenanthrene	1.058	0.948	-	10.4	20	76	0
Anthracene	1.035	0.945	-	8.7	20	76	0
Carbazole	0.948	0.877	-	7.5	20	75	0
Di-n-butylphthalate	1.034	1.024	-	1	20	84	0
Fluoranthene	1.228	1.156	-	5.9	20	79	0
Benzidine	0.675	0.666	-	1.3	20	77	0
Pyrene	1.301	1.238	-	4.8	20	77	0
4-Terphenyl-d14	1.029	0.897	-	12.8	20	75	0
Butyl benzyl phthalate	0.458	0.458	-	0	20	88	0
IS1_Chrysene-d12	1	1	-	0	20	75	0
Benzo(a)anthracene	1.284	1.272	-	0.9	20	77	0
3,3'-Dichlorobenzidine	0.468	0.486	-	-3.8	20	79	0
Chrysene	1.259	1.175	-	6.7	20	74	0
Bis(2-ethylhexyl)phthalate	0.639	0.698	-	-9.2	20	86	0
Di-n-octylphthalate	0.979	1.173	-	-19.8	20	89	0
Benzo(b)fluoranthene	1.317	1.361	-	-3.3	20	79	0
Benzo(k)fluoranthene	1.202	1.156	-	3.8	20	68	0
Benzo(a)pyrene	1.149	1.235	-	-7.5	20	79	0
IS1_Perylene-d12	1	1	-	0	20	75	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059		
Instrument ID	: SV112	**Calibration Date**	: 11/20/24 23:19		
Lab File ID	: ABN1120N	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1999664-3	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.118	1.214	-	-8.6	20	80	0
Dibenzo(a,h)anthracene	1.068	1.094	-	-2.4	20	76	0
Benzo(ghi)perylene	1.078	1.049	-	2.7	20	74	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254	
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059	
Instrument ID	: SV112	**Calibration Date**	: 11/20/24 23:42	
Lab File ID	: AP91120N	**Init. Calib. Date(s)**	: 06/25/24	06/26/24
Sample No	: WG1999664-4	**Init. Calib. Times**	: 20:18	07:31
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	96	0
Benzaldehyde	1.094	0.986	-	9.9	20	88	0
Acetophenone	1.903	1.696	-	10.9	20	82	0
m-Toluidine	1.828	1.617	-	11.5	20	81	0
2-Chloroaniline	1.742	1.527	-	12.3	20	82	0
IS2_Naphthalene-d8	1	1	-	0	20	86	0
a-Terpineol	0.277	0.31	-	-11.9	20	95	0
3-Chloroaniline	0.15	0.151	-	-0.7	20	87	0
2,6-Dichlorophenol	0.326	0.315	-	3.4	20	81	0
1-chloro-2-nitrobenzene	0.143	0.137	-	4.2	20	81	0
Caprolactam	5	5.222	-	-4.4	20	97	0
1,2,4,5-Tetrachlorobenzene	0.479	0.407	-	15	20	74	0
Biphenyl	1.026	0.807	-	21.3*	20	68	0
IS2_Acenaphthene-d10	1	1	-	0	20	75	0
Dichloran	5	4.636	-	7.3	20	81	0
Pentachloronitrobenzene	0.235	0.221	-	6	20	74	0
IS2_Phenanthrene-d10	1	1	-	0	20	73	0
Diphenamid	0.515	0.469	-	8.9	20	64	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059		
Instrument ID	: SV112	**Calibration Date**	: 11/21/24 00:05		
Lab File ID	: ADP1120N	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1999664-5	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
1,4-Dioxane	0.47	0.48	-	-2.1	20	128	0
n-Decane	1.145	1.455	-	-27.1*	20	152	0
IS3_Acenaphthene-d10	1	1	-	0	20	100	0
Atrazine	0.441	0.373	-	15.4	20	94	0
IS3_Phenanthrene-d10	1	1	-	0	20	92	0
n-Octadecane	0.315	0.395	-	-25.4*	20	130	0
Parathion	5	6.004	-	-20.1*	20	136	0
3,3'-Dimethylbenzidine	5	4.068	-	18.6	20	87	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059		
Instrument ID	: DAKOTA	Calibration Date	: 11/21/24 20:52		
Lab File ID	: ABN1121	Init. Calib. Date(s)	: 11/05/24	11/06/24	
Sample No	: WG1999667-3	Init. Calib. Times	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	126	0
n-Nitrosodimethylamine	0.63	0.64	-	-1.6	20	131	0
Pyridine	0.954	1.069	-	-12.1	20	133	0
2-Fluorophenol	1.028	1.017	-	1.1	20	128	0
Aniline	1.567	1.505	-	4	20	124	0
2-Chlorophenol	1.225	1.176	-	4	20	123	0
Phenol-d6	1.317	1.253	-	4.9	20	124	0
Phenol	1.421	1.35	-	5	20	123	0
Bis(2-chloroethyl)ether	1.017	0.96	-	5.6	20	124	0
1,3-Dichlorobenzene	1.577	1.452	-	7.9	20	122	0
1,4-Dichlorobenzene	1.61	1.495	-	7.1	20	123	0
1,2-Dichlorobenzene	1.534	1.417	-	7.6	20	122	0
Benzyl alcohol	0.93	0.869	-	6.6	20	120	0
Bis(2-chloroisopropyl)ethe	1.794	1.728	-	3.7	20	128	0
2-Methylphenol	1.079	0.969	-	10.2	20	121	0
Hexachloroethane	0.589	0.529	-	10.2	20	123	0
n-Nitrosodi-n-propylamine	0.863	0.76	-	11.9	20	118	0
3-Methylphenol/4-Methylphe	1.182	1.053	-	10.9	20	120	0
Nitrobenzene-d5	1.195	1.127	-	5.7	20	121	0
Nitrobenzene	1.222	1.146	-	6.2	20	120	0
Isophorone	2.247	1.965	-	12.6	20	114	0
2-Nitrophenol	0.619	0.603	-	2.6	20	127	0
2,4-Dimethylphenol	1.101	0.924	-	16.1	20	110	0
Bis(2-chloroethoxy)methane	1.4	1.269	-	9.4	20	119	0
2,4-Dichlorophenol	1.285	1.165	-	9.3	20	118	0
1,2,4-Trichlorobenzene	1.555	1.374	-	11.6	20	118	0
IS1_Naphthalene-d8	1	1	-	0	20	124	0
Naphthalene	1.1	0.996	-	9.5	20	121	0
Benzoic Acid	0.228	0.193	-	15.4	20	116	0
4-Chloroaniline	0.121	0.107	-	11.6	20	112	0
Hexachlorobutadiene	0.258	0.24	-	7	20	119	0
p-Chloro-m-cresol	0.29	0.262	-	9.7	20	116	0
2-Methylnaphthalene	0.761	0.658	-	13.5	20	116	0
1-Methylnaphthalene	0.242	0.2	-	17.4	20	107	0
Hexachlorocyclopentadiene	0.272	0.238	-	12.5	20	110	0
2,4,6-Trichlorophenol	0.287	0.257	-	10.5	20	115	0
2,4,5-Trichlorophenol	0.32	0.287	-	10.3	20	118	0
2-Fluorobiphenyl	0.99	0.833	-	15.9	20	113	0
2-Chloronaphthalene	0.852	0.722	-	15.3	20	112	0
2-Nitroaniline	0.218	0.197	-	9.6	20	113	0
1,4-Dinitrobenzene	0.095	0.093	-	2.1	20	122	0
1,3-Dinitrobenzene	0.113	0.107	-	5.3	20	116	0
Dimethyl phthalate	0.991	0.852	-	14	20	114	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059		
Instrument ID	: DAKOTA	Calibration Date	: 11/21/24 20:52		
Lab File ID	: ABN1121	Init. Calib. Date(s)	: 11/05/24	11/06/24	
Sample No	: WG1999667-3	Init. Calib. Times	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.109	-	11.4	20	116	0
2,6-Dinitrotoluene	0.185	0.17	-	8.1	20	113	0
1,2-Dinitrobenzene	0.066	0.065	-	1.5	20	114	0
IS1_Acenaphthene-d10	1	1	-	0	20	120	0
3-Nitroaniline	0.309	0.297	-	3.9	20	114	0
Acenaphthene	1.163	1.024	-	12	20	115	0
2,4-Dinitrophenol	0.188	0.185	-	1.6	20	129	0
Dibenzofuran	2.006	1.712	-	14.7	20	112	0
2,4-Dinitrotoluene	0.387	0.393	-	-1.6	20	117	0
4-Nitrophenol	0.23	0.224	-	2.6	20	115	0
2,3,5,6-Tetrachlorophenol	0.436	0.415	-	4.8	20	117	0
2,3,4,6-Tetrachlorophenol	0.428	0.394	-	7.9	20	114	0
Diethyl phthalate	1.575	1.386	-	12	20	116	0
Fluorene	1.536	1.353	-	11.9	20	114	0
4-Chlorophenyl phenyl ethe	0.792	0.674	-	14.9	20	112	0
4-Nitroaniline	0.299	0.292	-	2.3	20	112	0
4,6-Dinitro-o-cresol	0.234	0.25	-	-6.8	20	124	0
NDPA/DPA	1.337	1.146	-	14.3	20	112	0
Azobenzene	1.281	1.126	-	12.1	20	111	0
2,4,6-Tribromophenol	0.286	0.269	-	5.9	20	118	0
4-Bromophenyl phenyl ether	0.522	0.442	-	15.3	20	112	0
Hexachlorobenzene	0.656	0.557	-	15.1	20	114	0
Pentachlorophenol	0.356	0.346	-	2.8	20	116	0
IS1_Phenanthrene-d10	1	1	-	0	20	115	0
Phenanthrene	1.183	1.048	-	11.4	20	111	0
Anthracene	1.16	1.056	-	9	20	112	0
Carbazole	1.064	0.99	-	7	20	112	0
Di-n-butylphthalate	1.207	1.135	-	6	20	110	0
Fluoranthene	1.422	1.276	-	10.3	20	111	0
Benzidine	0.772	0.717	-	7.1	20	103	0
Pyrene	1.52	1.368	-	10	20	110	0
4-Terphenyl-d14	1.157	1.019	-	11.9	20	110	0
Butyl benzyl phthalate	0.517	0.508	-	1.7	20	113	0
IS1_Chrysene-d12	1	1	-	0	20	116	0
Benzo(a)anthracene	1.355	1.214	-	10.4	20	112	0
3,3'-Dichlorobenzidine	0.505	0.491	-	2.8	20	113	0
Chrysene	1.349	1.16	-	14	20	110	0
Bis(2-ethylhexyl)phthalate	0.726	0.708	-	2.5	20	112	0
Di-n-octylphthalate	1.212	1.191	-	1.7	20	113	0
Benzo(b)fluoranthene	1.42	1.357	-	4.4	20	120	0
Benzo(k)fluoranthene	1.383	1.319	-	4.6	20	113	0
Benzo(a)pyrene	1.267	1.25	-	1.3	20	117	0
IS1_Perylene-d12	1	1	-	0	20	122	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254	
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059	
Instrument ID	: DAKOTA	**Calibration Date**	: 11/21/24 20:52	
Lab File ID	: ABN1121	**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG1999667-3	**Init. Calib. Times**	: 16:59	04:17
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.154	-	6.5	20	121	0
Dibenzo(a,h)anthracene	1.213	1.144	-	5.7	20	120	0
Benzo(ghi)perylene	1.192	1.115	-	6.5	20	122	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/21/24 21:15		
Lab File ID	: AP91121	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG1999667-4	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	77	0
Benzaldehyde	0.703	0.765	-	-8.8	20	77	0
Acetophenone	1.403	1.53	-	-9.1	20	80	0
m-Toluidine	1.287	1.372	-	-6.6	20	80	0
2-Chloroaniline	1.368	1.543	-	-12.8	20	83	0
IS2_Naphthalene-d8	1	1	-	0	20	82	0
a-Terpineol	0.221	0.245	-	-10.9	20	86	0
3-Chloroaniline	0.115	0.116	-	-0.9	20	76	0
2,6-Dichlorophenol	0.296	0.319	-	-7.8	20	82	0
1-chloro-2-nitrobenzene	0.113	0.129	-	-14.2	20	84	0
Caprolactam	0.123	0.136	-	-10.6	20	88	0
1,2,4,5-Tetrachlorobenzene	0.413	0.424	-	-2.7	20	80	0
Biphenyl	0.842	0.892	-	-5.9	20	82	0
IS2_Acenaphthene-d10	1	1	-	0	20	86	0
Dichloran	0.169	0.176	-	-4.1	20	92	0
Pentachloronitrobenzene	0.187	0.186	-	0.5	20	88	0
IS2_Phenanthrene-d10	1	1	-	0	20	86	0
Diphenamid	0.416	0.449	-	-7.9	20	89	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254		
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059		
Instrument ID	: DAKOTA	**Calibration Date**	: 11/21/24 21:39		
Lab File ID	: ADP1121	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG1999667-5	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	80	0
1,4-Dioxane	0.381	0.423	-	-11	20	84	0
n-Decane	1.048	1.099	-	-4.9	20	80	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.343	0.357	-	-4.1	20	90	0
IS3_Phenanthrene-d10	1	1	-	0	20	89	0
n-Octadecane	0.334	0.356	-	-6.6	20	95	0
Parathion	5	5.147	-	-2.9	20	103	0
3,3'-Dimethylbenzidine	0.728	0.722	-	0.8	20	99	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241121RVT\
Data File : ABN1121.D
Acq On : 21 Nov 2024 8:52 pm
Operator : Dakota:smz
Sample : wg1999667-3,32,,ABN RVT CCV Lot # 11043
Misc : wg1999667,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 21 21:13:17 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:14:17 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	126	0.00
2	t	n-Nitrosodimethylamine	0.630	0.640	-1.6	131	0.00
3	t	Pyridine	0.954	1.069	-12.1	133	0.00
4	S	2-Fluorophenol	1.028	1.017	1.1	128	0.00
5	T	Aniline	1.567	1.505	4.0	124	0.00
6	t	2-Chlorophenol	1.225	1.176	4.0	123	0.00
7	S	Phenol-d6	1.317	1.253	4.9	124	0.00
8	T	Phenol	1.421	1.350	5.0	123	0.00
9	T	Bis(2-chloroethyl)ether	1.017	0.960	5.6	124	0.00
10	T	1,3-Dichlorobenzene	1.577	1.452	7.9	122	0.00
11	T	1,4-Dichlorobenzene	1.610	1.495	7.1	123	0.00
12	T	1,2-Dichlorobenzene	1.534	1.417	7.6	122	0.00
13	t	Benzyl alcohol	0.930	0.869	6.6	120	0.00
14	T	Bis(2-chloroisopropyl)ether	1.794	1.728	3.7	128	0.00
15	T	2-Methylphenol	1.079	0.969	10.2	121	0.00
16	T	Hexachloroethane	0.589	0.529	10.2	123	0.00
17	T	n-Nitrosodi-n-propylamine	0.863	0.760	11.9	118	0.00
18	T	3-Methylphenol/4-Methylphen	1.182	1.053	10.9	120	0.00
19	S	Nitrobenzene-d5	1.195	1.127	5.7	121	0.00
20	T	Nitrobenzene	1.222	1.146	6.2	120	0.00
21	T	Isophorone	2.247	1.965	12.6	114	0.00
22	T	2-Nitrophenol	0.619	0.603	2.6	127	0.00
23	T	2,4-Dimethylphenol	1.101	0.924	16.1	110	0.00
24	T	Bis(2-chloroethoxy)methane	1.400	1.269	9.4	119	0.00
25	T	2,4-Dichlorophenol	1.285	1.165	9.3	118	0.00
26	T	1,2,4-Trichlorobenzene	1.555	1.374	11.6	118	0.00
37	I	IS1_Naphthalene-d8	1.000	1.000	0.0	124	0.00
38	T	Naphthalene	1.100	0.996	9.5	121	0.00
39	T	Benzoic Acid	0.228	0.193	15.4	116	0.00
40	T	4-Chloroaniline	0.121	0.107	11.6	112	0.00
41	T	Hexachlorobutadiene	0.258	0.240	7.0	119	0.00
42	T	p-Chloro-m-cresol	0.290	0.262	9.7	116	0.00
43	T	2-Methylnaphthalene	0.761	0.658	13.5	116	0.00
44	T	1-Methylnaphthalene	0.242	0.200	17.4	107	0.00
45	T	Hexachlorocyclopentadiene	0.272	0.238	12.5	110	0.00
46	T	2,4,6-Trichlorophenol	0.287	0.257	10.5	115	0.00
47	T	2,4,5-Trichlorophenol	0.320	0.287	10.3	118	0.00
48	S	2-Fluorobiphenyl	0.990	0.833	15.9	113	0.00

Data Path : I:\8270\Dakota\241121RVT\
Data File : ABN1121.D
Acq On : 21 Nov 2024 8:52 pm
Operator : Dakota:smz
Sample : wg1999667-3,32,,ABN RVT CCV Lot # 11043
Misc : wg1999667,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 21 21:13:17 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:14:17 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	2-Chloronaphthalene	0.852	0.722	15.3	112	0.00
50	T	2-Nitroaniline	0.218	0.197	9.6	113	0.00
51	T	1,4-Dinitrobenzene	0.095	0.093	2.1	122	0.00
52	T	1,3-Dinitrobenzene	0.113	0.107	5.3	116	0.00
53	T	Dimethyl phthalate	0.991	0.852	14.0	114	0.00
54	T	Acenaphthylene	1.252	1.109	11.4	116	0.00
55	T	2,6-Dinitrotoluene	0.185	0.170	8.1	113	0.00
56	T	1,2-Dinitrobenzene	0.066	0.065	1.5	114	0.00
65	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	120	0.00
66	T	3-Nitroaniline	0.309	0.297	3.9	114	0.00
67	T	Acenaphthene	1.163	1.024	12.0	115	0.00
68	T	2,4-Dinitrophenol	0.188	0.185	1.6	129	0.00
69	T	Dibenzofuran	2.006	1.712	14.7	112	0.00
70	T	2,4-Dinitrotoluene	0.387	0.393	-1.6	117	0.00
71	T	4-Nitrophenol	0.230	0.224	2.6	115	0.00
72	T	2,3,5,6-Tetrachlorophenol	0.436	0.415	4.8	117	0.00
73	T	2,3,4,6-Tetrachlorophenol	0.428	0.394	7.9	114	0.00
74	T	Diethyl phthalate	1.575	1.386	12.0	116	0.00
75	T	Fluorene	1.536	1.353	11.9	114	0.00
76	T	4-Chlorophenyl phenyl ether	0.792	0.674	14.9	112	0.00
77	T	4-Nitroaniline	0.299	0.292	2.3	112	0.00
78	T	4,6-Dinitro-o-cresol	0.234	0.250	-6.8	124	0.00
79	T	NDPA/DPA	1.337	1.146	14.3	112	0.00
80	T	Azobenzene	1.281	1.126	12.1	111	0.00
81	S	2,4,6-Tribromophenol	0.286	0.269	5.9	118	0.00
82	T	4-Bromophenyl phenyl ether	0.522	0.442	15.3	112	0.00
83	T	Hexachlorobenzene	0.656	0.557	15.1	114	0.00
84	T	Pentachlorophenol	0.356	0.346	2.8	116	0.00
90	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	115	0.00
91	T	Phenanthrene	1.183	1.048	11.4	111	0.00
92	T	Anthracene	1.160	1.056	9.0	112	0.00
93	T	Carbazole	1.064	0.990	7.0	112	0.00
94	T	Di-n-butylphthalate	1.207	1.135	6.0	110	0.00
95	T	Fluoranthene	1.422	1.276	10.3	111	0.00
96	T	Benzidine	0.772	0.717	7.1	103	0.00
97	T	Pyrene	1.520	1.368	10.0	110	0.00
98	S	4-Terphenyl-d14	1.157	1.019	11.9	110	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241121RVT\
Data File : ABN1121.D
Acq On : 21 Nov 2024 8:52 pm
Operator : Dakota:smz
Sample : wg1999667-3,32,,ABN RVT CCV Lot # 11043
Misc : wg1999667,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 21 21:13:17 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:14:17 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
99	T	Butyl benzyl phthalate	0.517	0.508	1.7	113	0.00
106	I	IS1_Chrysene-d12	1.000	1.000	0.0	116	0.00
107	T	Benzo(a)anthracene	1.355	1.214	10.4	112	0.00
108	T	3,3'-Dichlorobenzidine	0.505	0.491	2.8	113	0.00
109	T	Chrysene	1.349	1.160	14.0	110	0.00
110	T	Bis(2-ethylhexyl)phthalate	0.726	0.708	2.5	112	0.00
111	T	Di-n-octylphthalate	1.212	1.191	1.7	113	0.00
112	T	Benzo(b)fluoranthene	1.420	1.357	4.4	120	0.00
113	T	Benzo(k)fluoranthene	1.383	1.319	4.6	113	0.00
114	T	Benzo(a)pyrene	1.267	1.250	1.3	117	0.00
115	I	IS1_Perylene-d12	1.000	1.000	0.0	122	0.00
116	T	Indeno(1,2,3-cd)pyrene	1.234	1.154	6.5	121	0.00
117	T	Dibenzo(a,h)anthracene	1.213	1.144	5.7	120	0.00
118	T	Benzo(ghi)perylene	1.192	1.115	6.5	122	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : ABN1121.D
Acq On : 21 Nov 2024 8:52 pm
Operator : Dakota:smz
Sample : wg1999667-3,32,,ABN RVT CCV Lot # 11043
Misc : wg1999667,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 21 21:13:17 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:14:17 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.227	152	36625	4.000	ug/ml		0.00
37) IS1_Naphthalene-d8	5.467	136	133133	4.000	ug/ml	#	0.00
65) IS1_Acenaphthene-d10	7.157	164	83215	4.000	ug/ml		0.00
90) IS1_Phenanthrene-d10	8.569	188	172652	4.000	ug/ml		0.00
106) IS1_Chrysene-d12	11.136	240	200340	4.000	ug/ml		0.00
115) IS1_Perylene-d12	12.553	264	248466	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.930	112	46558	4.945	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 247.25%#				
7) Phenol-d6	3.928	99	57376	4.758	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 237.90%#				
19) Nitrobenzene-d5	4.780	82	51592	4.715	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 471.50%#				
48) 2-Fluorobiphenyl	6.539	172	138598	4.206	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 420.60%#				
81) 2,4,6-Tribromophenol	7.916	330	27982	4.704	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 235.20%#				
98) 4-Terphenyl-d14	10.141	244	219940	4.402	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 440.20%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.532	74	29295	5.076	ug/ml		81
3) Pyridine	1.563	79	48963	5.606	ug/ml	#	58
5) Aniline	3.910	93	68894	4.802	ug/ml		97
6) 2-Chlorophenol	4.021	128	53860	4.802	ug/ml	#	89
8) Phenol	3.941	94	61819	4.752	ug/ml		92
9) Bis(2-chloroethyl)ether	4.003	93	43935	4.717	ug/ml	#	73
10) 1,3-Dichlorobenzene	4.171	146	66494	4.606	ug/ml		93
11) 1,4-Dichlorobenzene	4.245	146	68432	4.643	ug/ml		94
12) 1,2-Dichlorobenzene	4.391	146	64862	4.617	ug/ml		94
13) Benzyl alcohol	4.398	79	39771	4.670	ug/ml		99
14) Bis(2-chloroisopropyl)...	4.540	45	79114	4.816	ug/ml	#	65
15) 2-Methylphenol	4.537	108	44358	4.488	ug/ml		98
16) Hexachloroethane	4.718	117	24211	4.486	ug/ml	#	49
17) n-Nitrosodi-n-propylamine	4.668	70	34781	4.403	ug/ml	#	87
18) 3-Methylphenol/4-Methy...	4.696	108	48186	4.451	ug/ml		98
20) Nitrobenzene	4.795	77	52455	4.687	ug/ml		97
21) Isophorone	5.041	82	89980	4.374	ug/ml		95
22) 2-Nitrophenol	5.112	139	27603	4.872	ug/ml	#	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : ABN1121.D
Acq On : 21 Nov 2024 8:52 pm
Operator : Dakota:smz
Sample : wg1999667-3,32,,ABN RVT CCV Lot # 11043
Misc : wg1999667,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 21 21:13:17 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:14:17 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	5.206	107	42286	4.196	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.290	93	58096	4.533	ug/ml	98
25) 2,4-Dichlorophenol	5.355	162	53318	4.531	ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.426	180	62885	4.416	ug/ml#	95
38) Naphthalene	5.485	128	165710	4.526	ug/ml	100
39) Benzoic Acid	5.296	105	32120	4.237	ug/ml	89
40) 4-Chloroaniline	5.569	65	17859	4.437	ug/ml#	66
41) Hexachlorobutadiene	5.644	225	39897	4.639	ug/ml	98
42) p-Chloro-m-cresol	6.076	107	43658	4.526	ug/ml	89
43) 2-Methylnaphthalene	6.163	142	109455	4.320	ug/ml	95
44) 1-Methylnaphthalene	6.256	115	33322	4.136	ug/ml	84
45) Hexachlorocyclopentadiene	6.337	237	39636	4.374	ug/ml	100
46) 2,4,6-Trichlorophenol	6.458	196	42824	4.490	ug/ml	99
47) 2,4,5-Trichlorophenol	6.483	196	47687	4.471	ug/ml	96
49) 2-Chloronaphthalene	6.626	162	120124	4.234	ug/ml	92
50) 2-Nitroaniline	6.744	138	32798	4.518	ug/ml#	78
51) 1,4-Dinitrobenzene	6.878	168	15518	4.921	ug/ml	83
52) 1,3-Dinitrobenzene	6.952	168	17776	4.706	ug/ml#	1
53) Dimethyl phthalate	6.952	163	141784	4.299	ug/ml#	97
54) Acenaphthylene	7.015	152	184543	4.429	ug/ml	99
55) 2,6-Dinitrotoluene	6.990	165	28238	4.587	ug/ml#	77
56) 1,2-Dinitrobenzene	7.030	168	10757	4.879	ug/ml#	1
66) 3-Nitroaniline	7.142	138	30853	4.801	ug/ml#	85
67) Acenaphthene	7.189	154	106513	4.401	ug/ml	87
68) 2,4-Dinitrophenol	7.241	184	19292	4.930	ug/ml#	81
69) Dibenzofuran	7.356	168	178052	4.266	ug/ml#	86
70) 2,4-Dinitrotoluene	7.372	165	40888	5.076	ug/ml#	78
71) 4-Nitrophenol	7.344	65	23264	4.856	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.453	232	43191	4.757	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.493	232	41013	4.608	ug/ml	98
74) Diethyl phthalate	7.639	149	144200	4.402	ug/ml	98
75) Fluorene	7.683	166	140757	4.404	ug/ml	93
76) 4-Chlorophenyl phenyl ...	7.711	204	70148	4.259	ug/ml#	85
77) 4-Nitroaniline	7.723	138	30367	4.889	ug/ml#	80
78) 4,6-Dinitro-o-cresol	7.760	198	25992	5.339	ug/ml#	58
79) NDPA/DPA	7.829	169	119213	4.288	ug/ml	92
80) Azobenzene	7.857	77	117092	4.395	ug/ml	98
82) 4-Bromophenyl phenyl e...	8.174	248	45968	4.237	ug/ml#	79
83) Hexachlorobenzene	8.217	284	57986	4.246	ug/ml#	78
84) Pentachlorophenol	8.413	266	36024	4.866	ug/ml	99
91) Phenanthrene	8.590	178	226254	4.432	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : ABN1121.D
Acq On : 21 Nov 2024 8:52 pm
Operator : Dakota:smz
Sample : wg1999667-3,32,,ABN RVT CCV Lot # 11043
Misc : wg1999667,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 21 21:13:17 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:14:17 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Anthracene	8.640	178	227809	4.550	ug/ml	98
93) Carbazole	8.814	167	213632	4.650	ug/ml	99
94) Di-n-butylphthalate	9.221	149	244932	4.702	ug/ml#	98
95) Fluoranthene	9.728	202	275464	4.487	ug/ml#	92
96) Benzidine	9.896	184	154782	4.646	ug/ml#	95
97) Pyrene	9.936	202	295209	4.501	ug/ml	99
99) Butyl benzyl phthalate	10.657	149	109666	4.915	ug/ml#	82
107) Benzo(a)anthracene	11.127	228	303896	4.477	ug/ml	99
108) 3,3'-Dichlorobenzidine	11.139	252	123024	4.865	ug/ml#	97
109) Chrysene	11.161	228	290613	4.301	ug/ml	99
110) Bis(2-ethylhexyl)phtha...	11.285	149	177233	4.871	ug/ml#	88
111) Di-n-octylphthalate	11.944	149	298337	4.916	ug/ml#	72
112) Benzo(b)fluoranthene	12.196	252	339735	4.777	ug/ml#	94
113) Benzo(k)fluoranthene	12.221	252	330276	4.767	ug/ml#	93
114) Benzo(a)pyrene	12.497	252	312965	4.932	ug/ml#	93
116) Indeno(1,2,3-cd)pyrene	13.486	276	358554	4.677	ug/mL#	89
117) Dibenzo(a,h)anthracene	13.510	278	355295	4.716	ug/ml#	90
118) Benzo(ghi)perylene	13.697	276	346419	4.678	ug/ml#	86

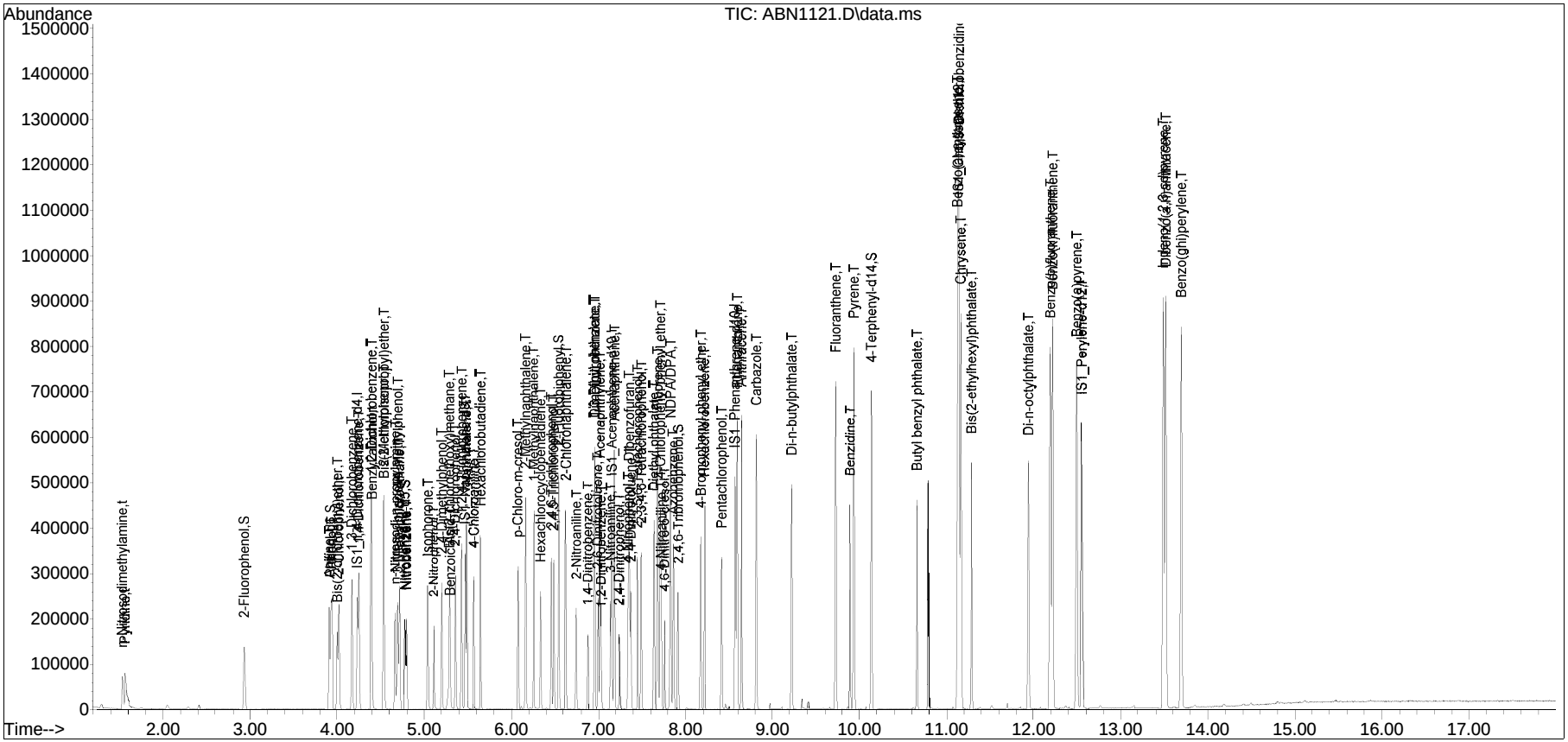
(#) = qualifier out of range (m) = manual integration (+) = signals summed

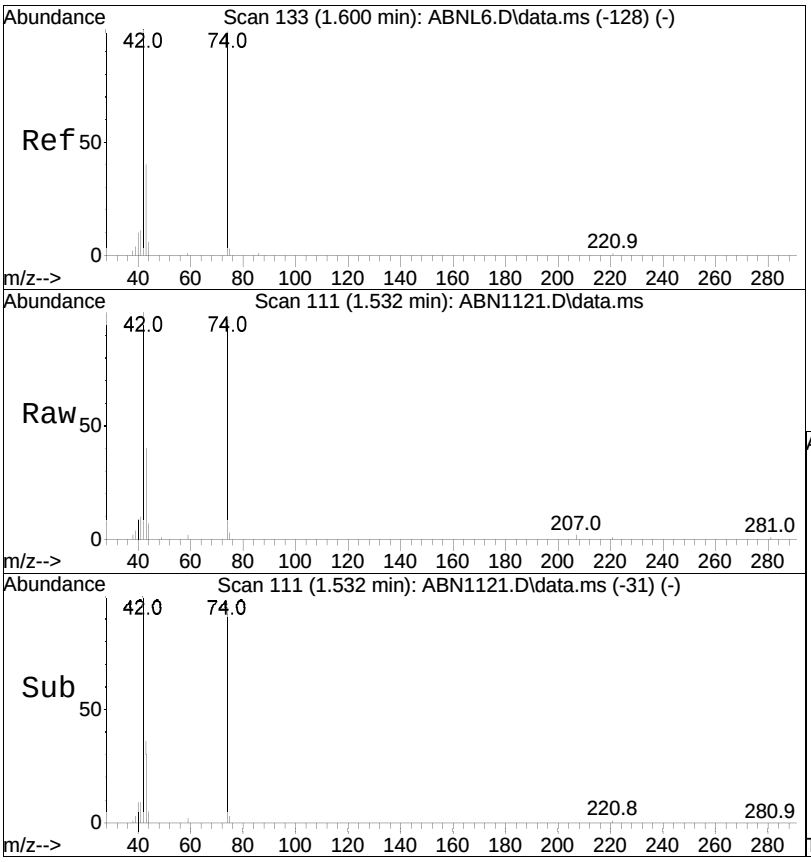
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : ABN1121.D
Acq On : 21 Nov 2024 8:52 pm
Operator : Dakota:smz
Sample : wg1999667-3,32,,ABN RVT CCV Lot # 11043
Misc : wg1999667,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Nov 21 21:13:17 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:14:17 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

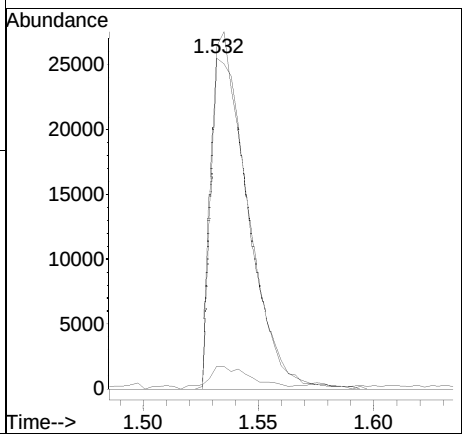


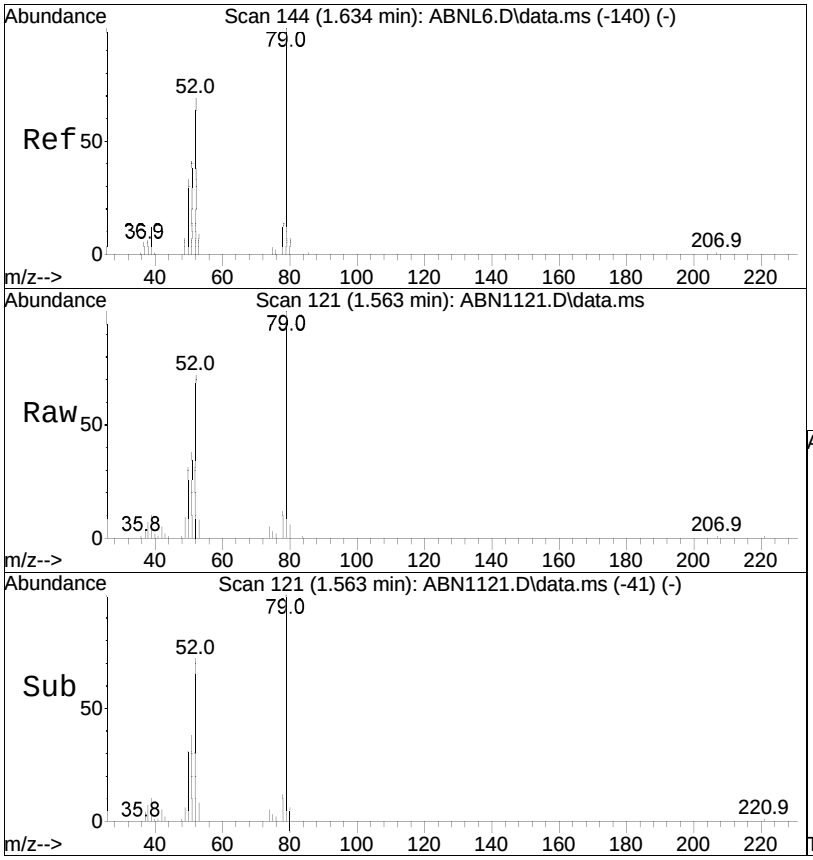


#2
n-Nitrosodimethylamine
Concen: 5.08 ug/ml
RT: 1.532 min Scan# 111
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion: 74 Resp: 29295

Ion	Ratio	Lower	Upper
74	100		
42	102.6	100.0	150.0
44	7.7	6.7	10.1

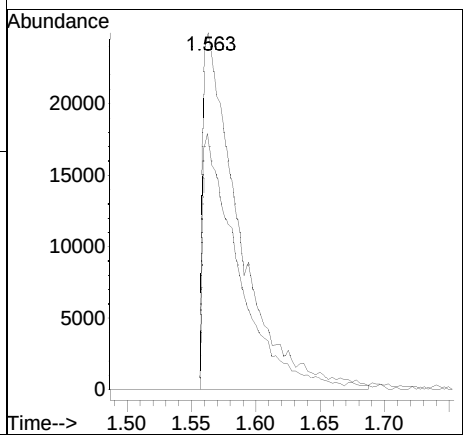


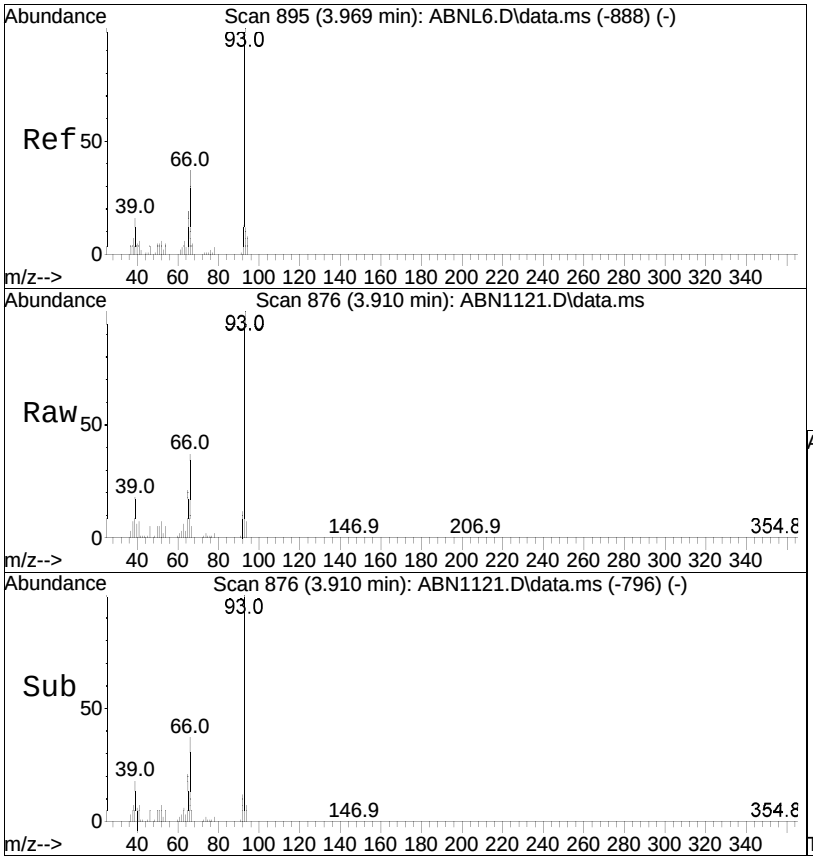


#3
Pyridine
Concen: 5.61 ug/ml
RT: 1.563 min Scan# 121
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion: 79 Resp: 48963

Ion	Ratio	Lower	Upper
79	100		
52	70.5	93.1	139.7#

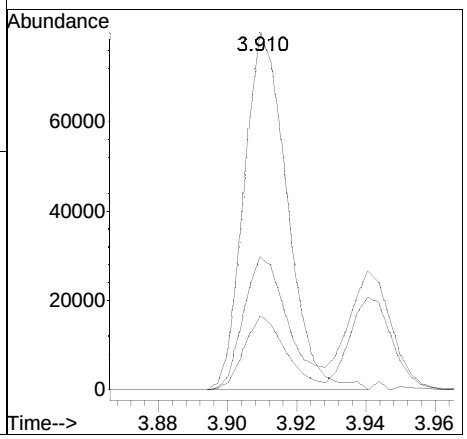


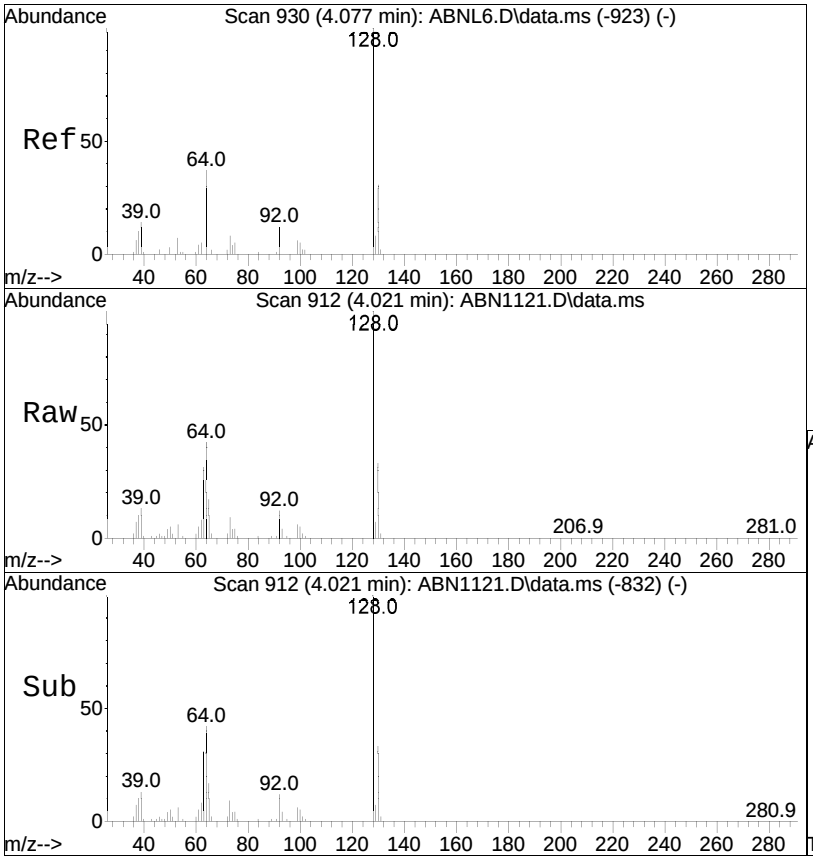


#5
Aniline
Concen: 4.80 ug/ml
RT: 3.910 min Scan# 876
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion: 93 Resp: 68894

Ion	Ratio	Lower	Upper
93	100		
66	39.4	32.6	49.0
65	20.5	17.6	26.4

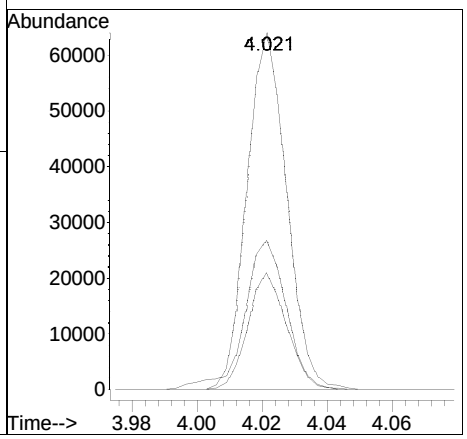


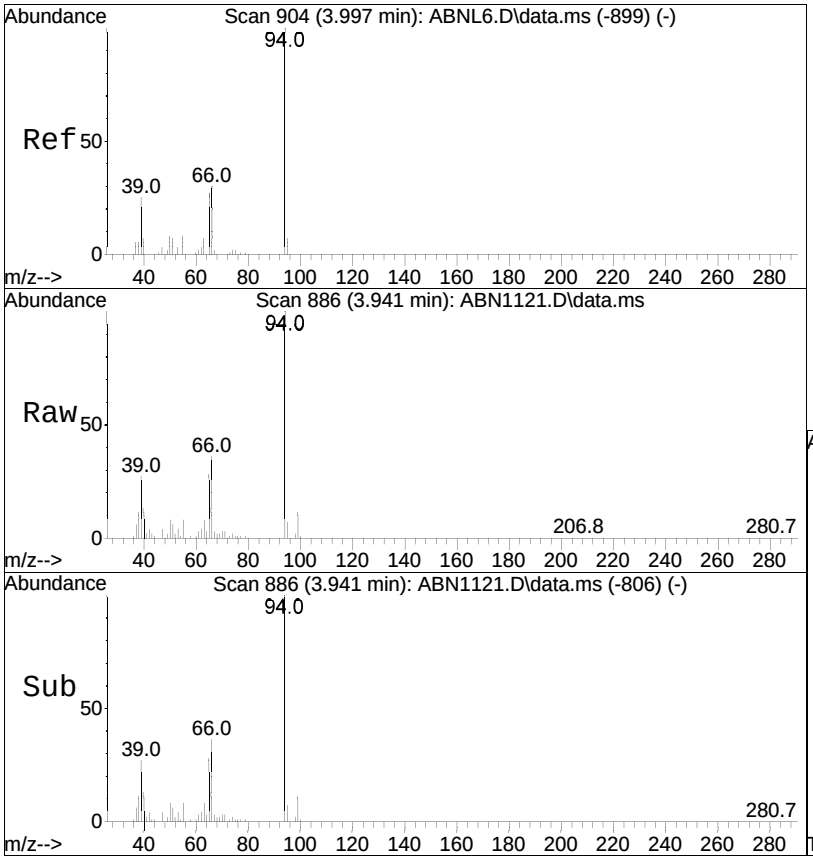


#6
2-Chlorophenol
Concen: 4.80 ug/ml
RT: 4.021 min Scan# 912
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:128 Resp: 53860

Ion	Ratio	Lower	Upper
128	100		
64	44.1	45.1	67.7#
130	32.3	26.2	39.4

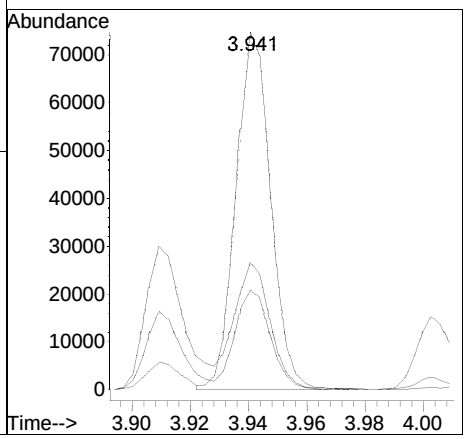


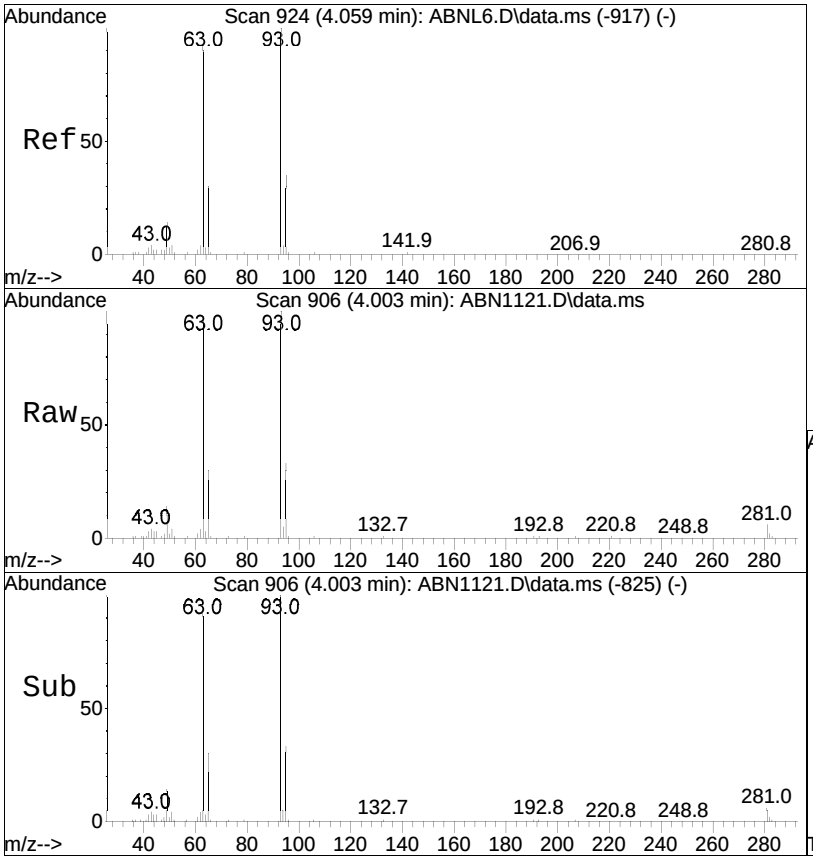


#8
Phenol
Concen: 4.75 ug/ml
RT: 3.941 min Scan# 886
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion: 94 Resp: 61819

Ion	Ratio	Lower	Upper
94	100		
65	28.6	26.0	39.0
66	37.3	33.8	50.8

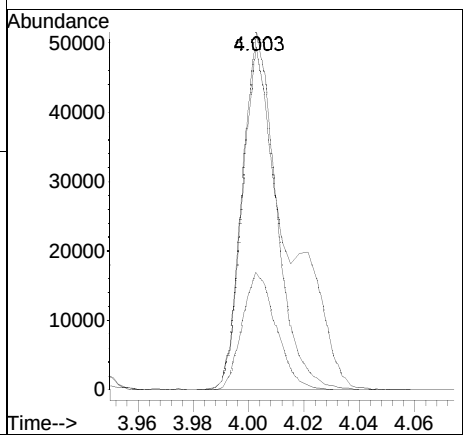


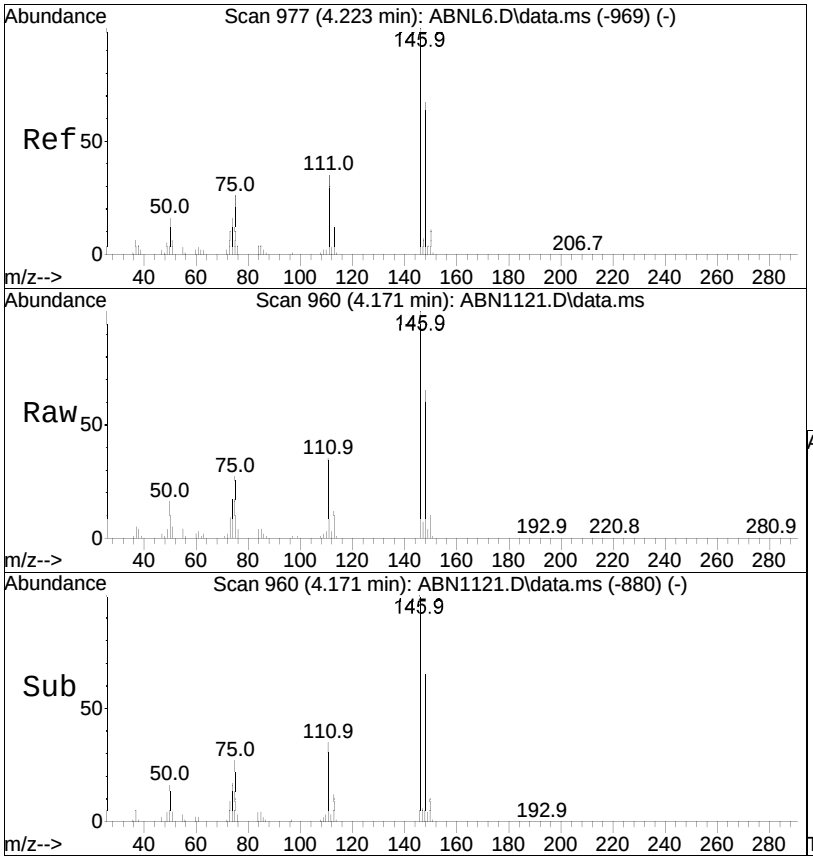


#9
Bis(2-chloroethyl)ether
Concen: 4.72 ug/ml
RT: 4.003 min Scan# 906
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion: 93 Resp: 43935

Ion	Ratio	Lower	Upper
93	100		
63	127.3	74.6	111.8#
95	32.8	25.9	38.9

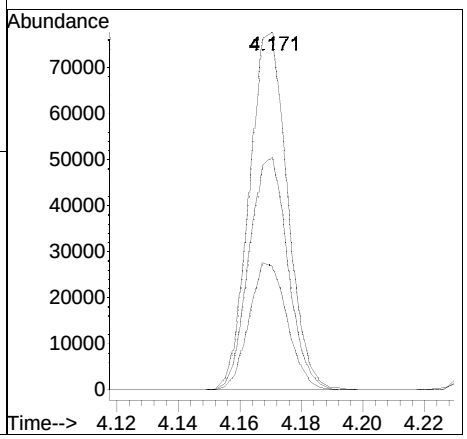


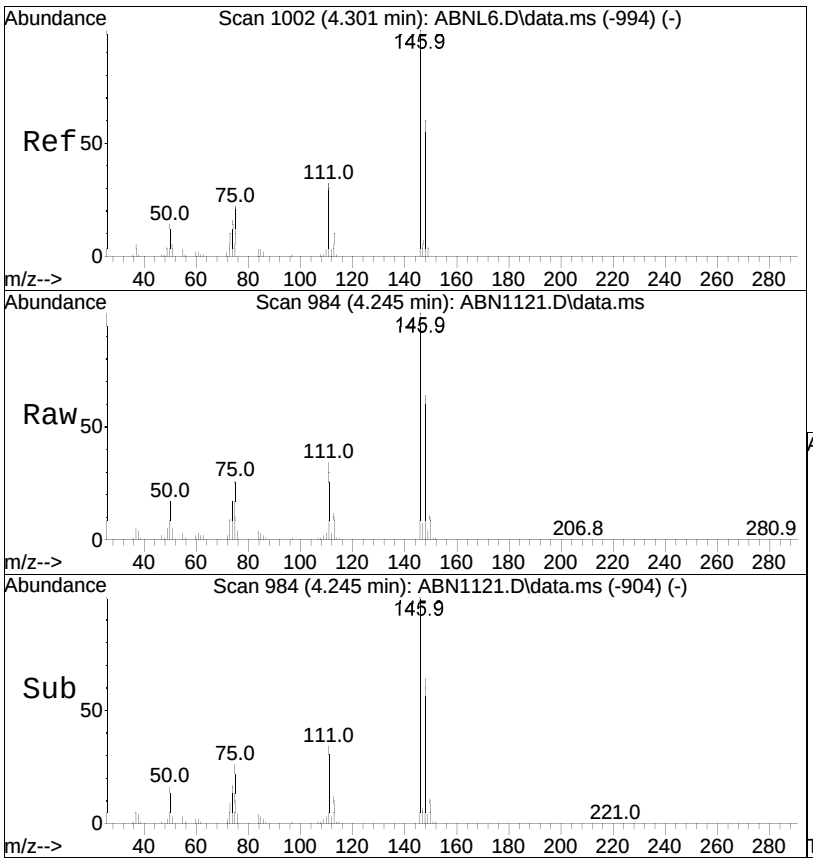


#10
1,3-Dichlorobenzene
Concen: 4.61 ug/ml
RT: 4.171 min Scan# 960
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:146 Resp: 66494

Ion	Ratio	Lower	Upper
146	100		
111	35.6	34.3	51.5
148	66.1	50.8	76.2

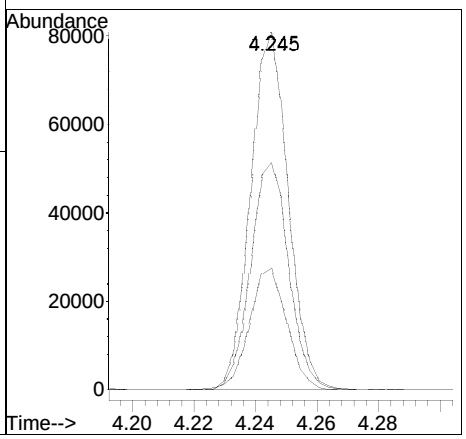


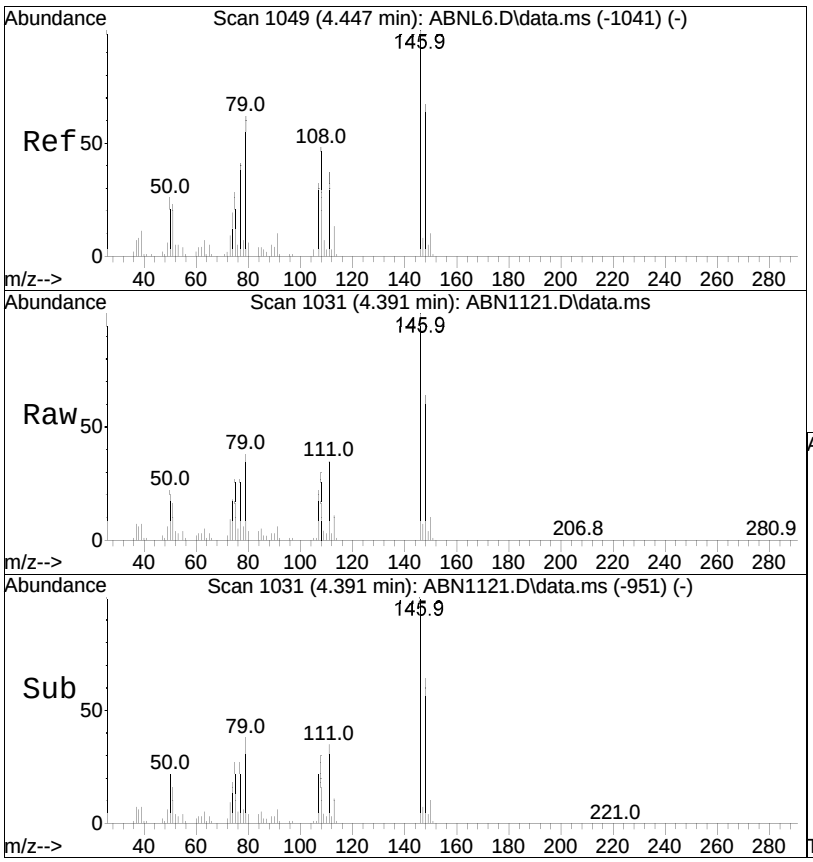


#11
1,4-Dichlorobenzene
Concen: 4.64 ug/ml
RT: 4.245 min Scan# 984
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:146 Resp: 68432

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.7	76.1
111	34.2	33.4	50.0

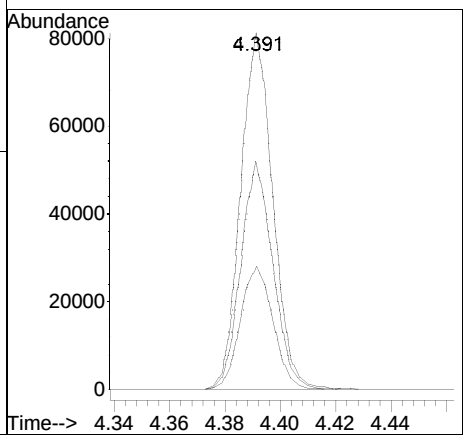


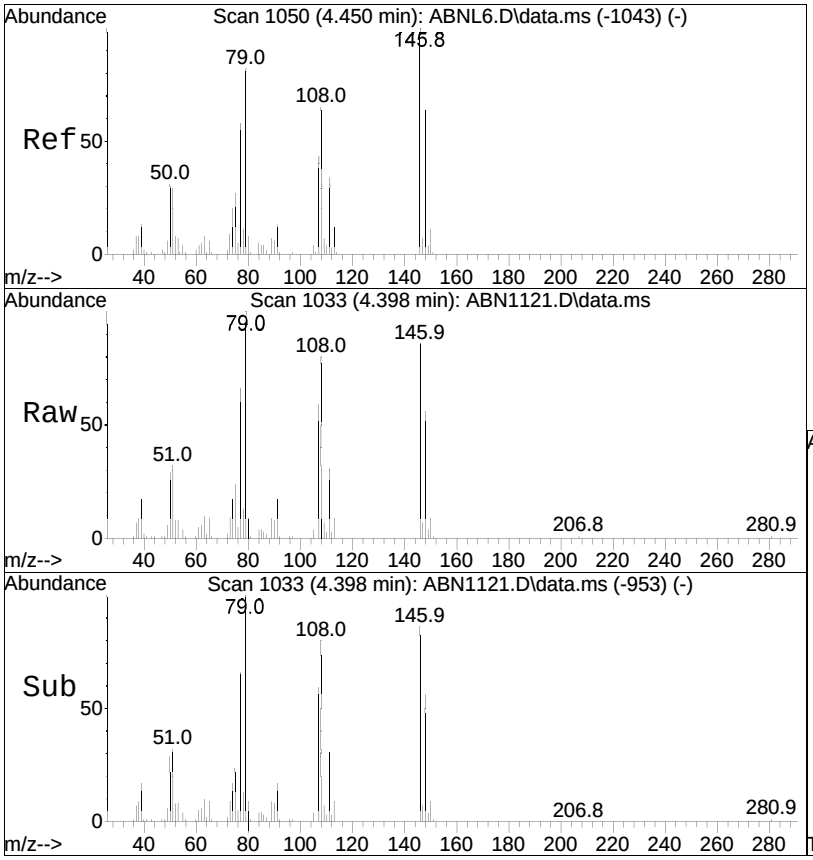


#12
1,2-Dichlorobenzene
Concen: 4.62 ug/ml
RT: 4.391 min Scan# 1031
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:146 Resp: 64862

Ion	Ratio	Lower	Upper
146	100		
111	35.4	34.6	52.0
148	64.3	50.2	75.4

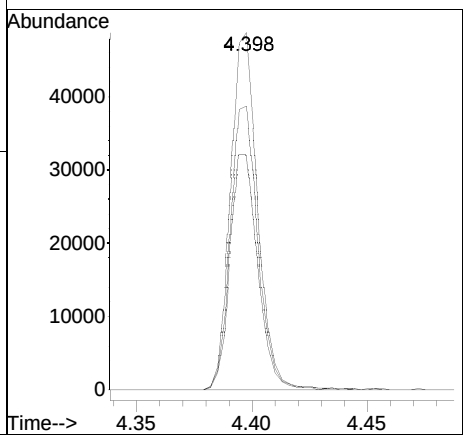


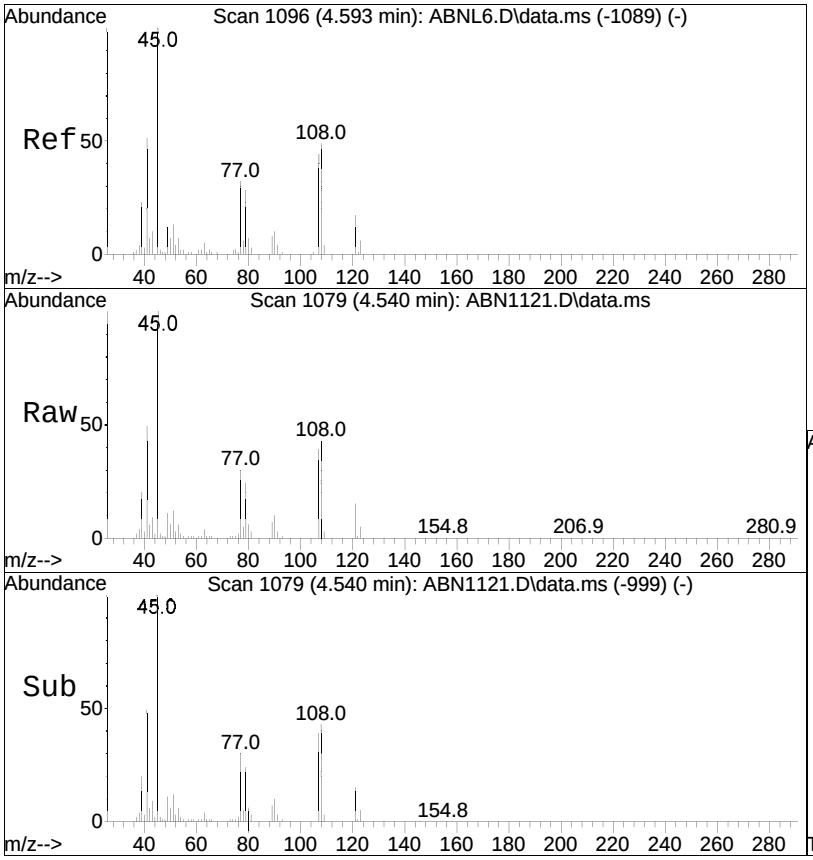


#13
Benzyl alcohol
Concen: 4.67 ug/ml
RT: 4.398 min Scan# 1033
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion: 79 Resp: 39771

Ion	Ratio	Lower	Upper
79	100		
77	67.9	54.9	82.3
108	80.5	63.1	94.7

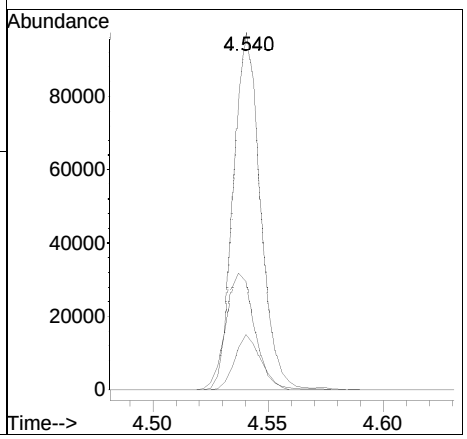


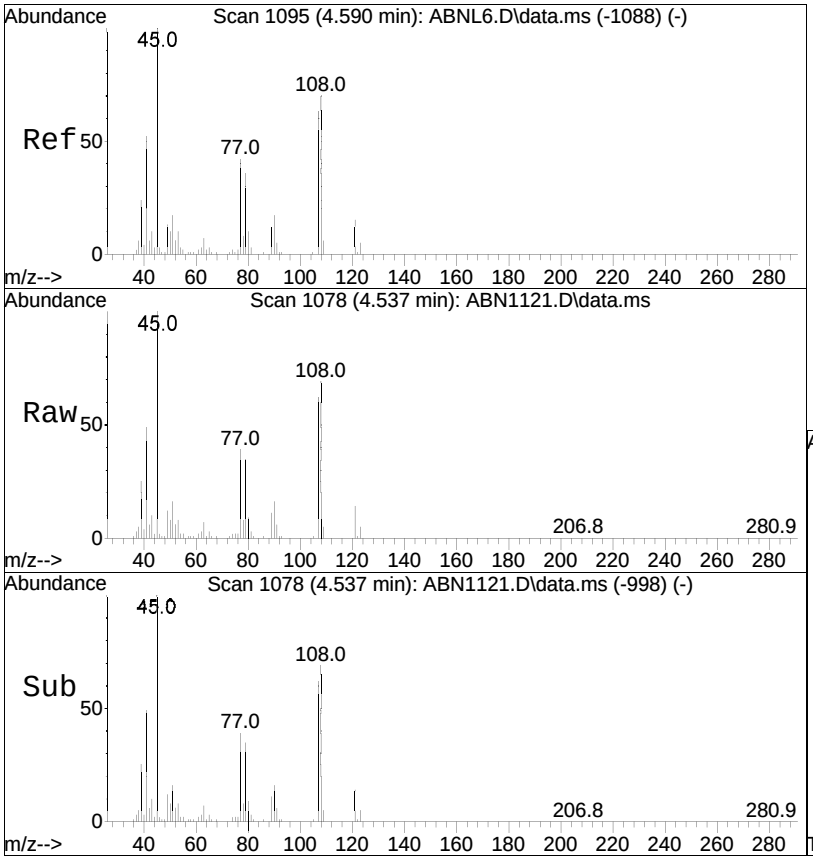


#14
Bis(2-chloroisopropyl)ether
Concen: 4.82 ug/ml
RT: 4.540 min Scan# 1079
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion: 45 Resp: 79114

Ion	Ratio	Lower	Upper
45	100		
121	14.8	9.8	14.6#
77	35.3	6.1	9.1#

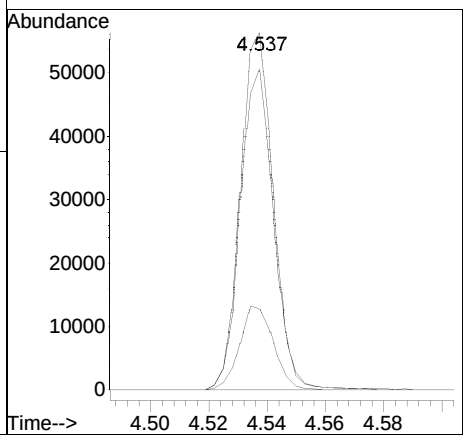


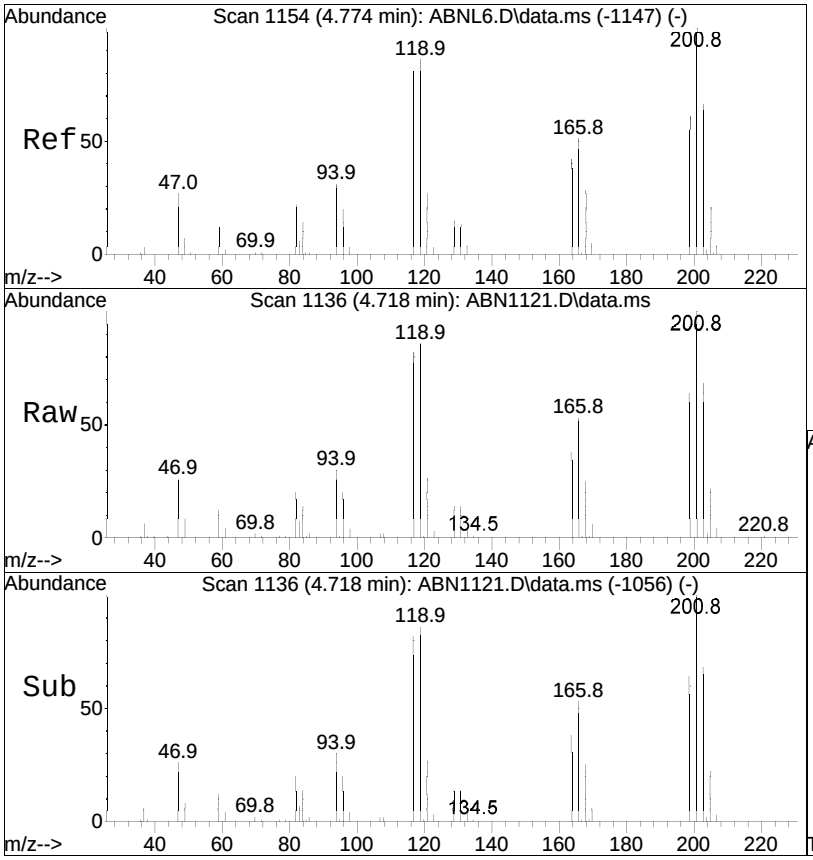


#15
2-Methylphenol
Concen: 4.49 ug/ml
RT: 4.537 min Scan# 1078
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:108 Resp: 44358

Ion	Ratio	Lower	Upper
108	100		
107	90.1	70.7	106.1
90	24.0	18.7	28.1

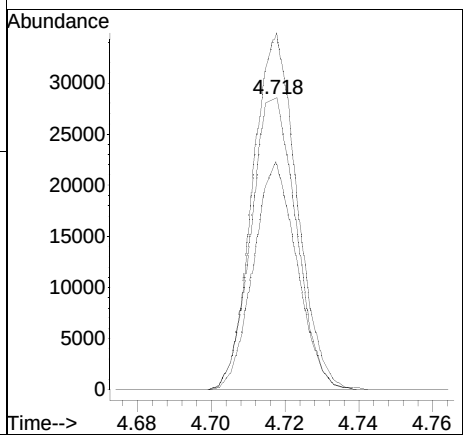


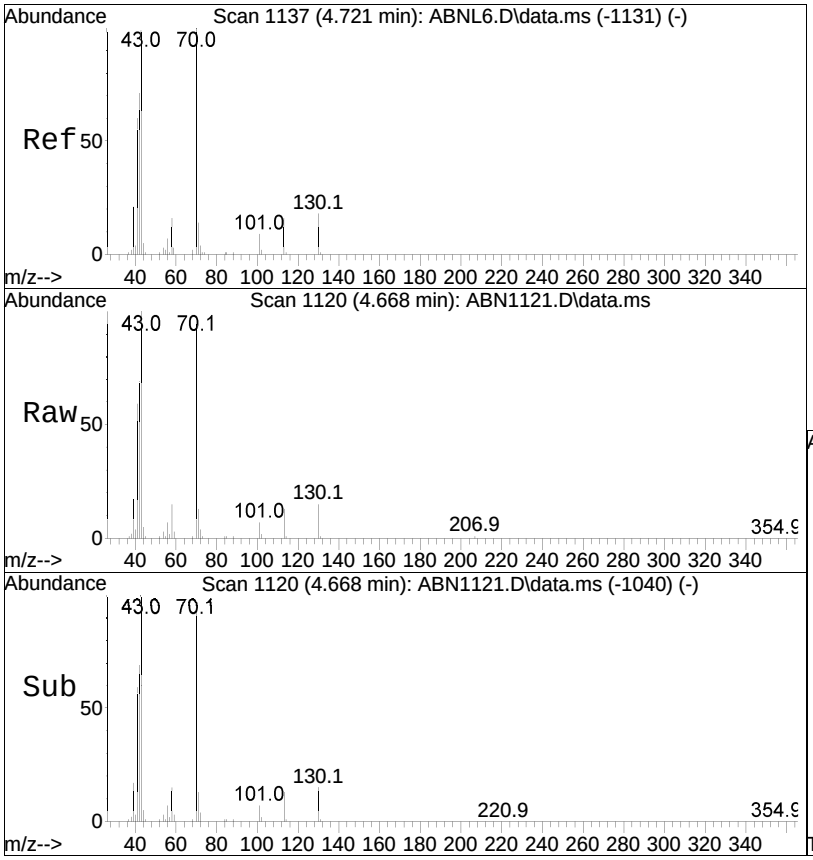


#16
Hexachloroethane
Concen: 4.49 ug/ml
RT: 4.718 min Scan# 1136
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:117 Resp: 24211

Ion	Ratio	Lower	Upper
117	100		
201	120.1	58.6	87.8#
199	75.4	36.9	55.3#

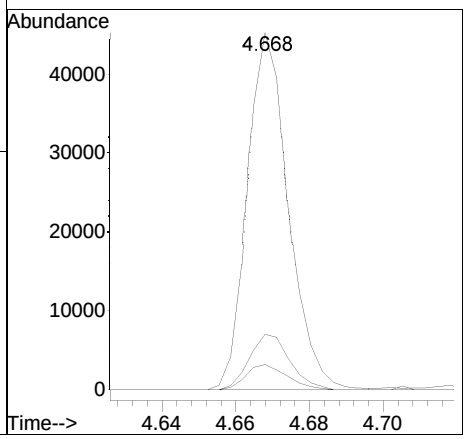


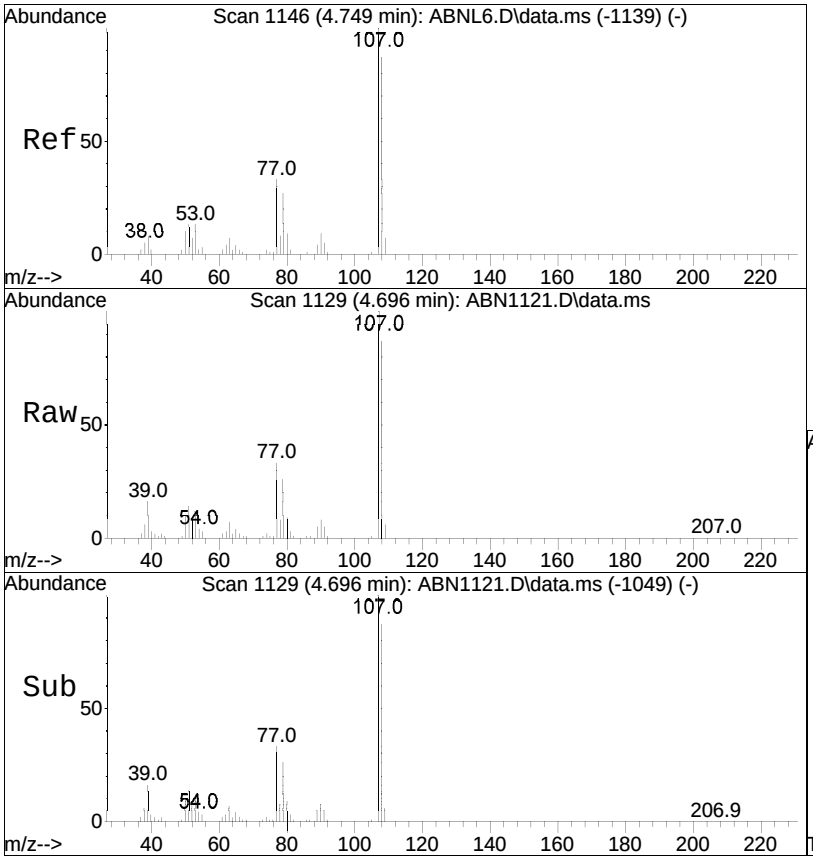


#17
n-Nitrosodi-n-propylamine
Concen: 4.40 ug/ml
RT: 4.668 min Scan# 1120
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion: 70 Resp: 34781

Ion	Ratio	Lower	Upper
70	100		
130	15.3	18.2	27.4#
101	7.0	7.8	11.8#

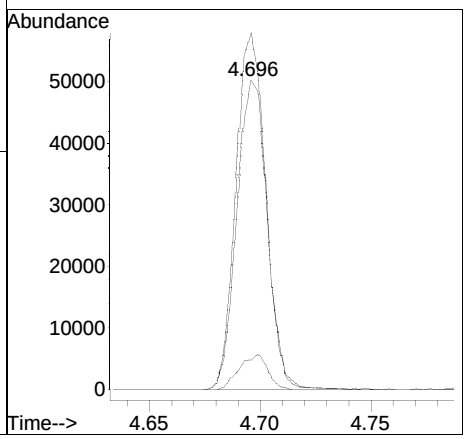


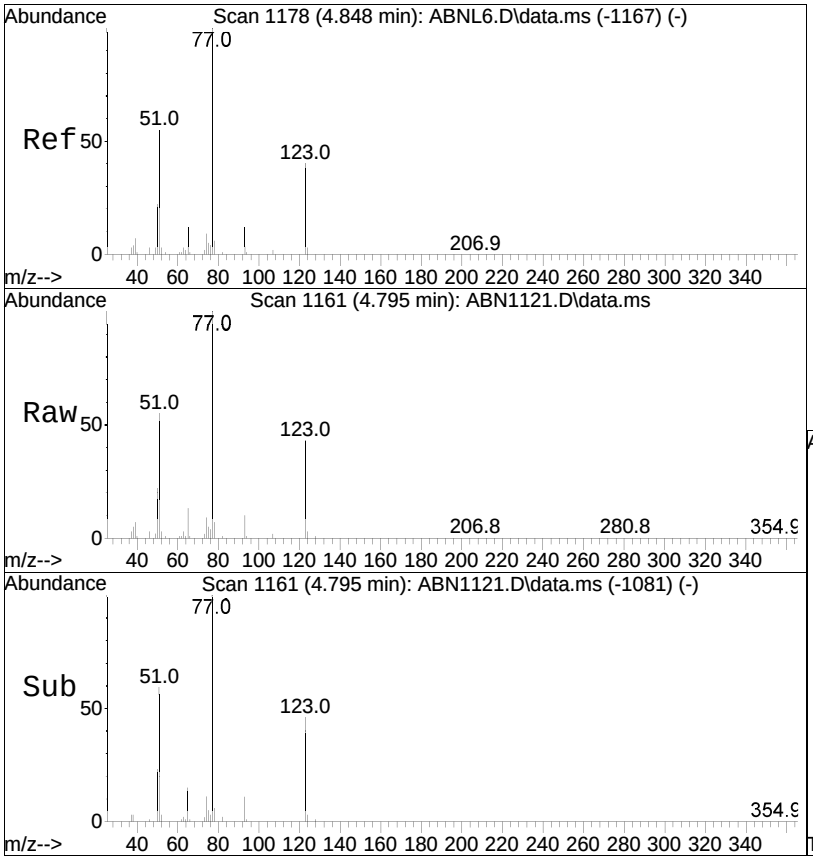


#18
3-Methylphenol/4-Methylphenol
Concen: 4.45 ug/ml
RT: 4.696 min Scan# 1129
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:108 Resp: 48186

Ion	Ratio	Lower	Upper
108	100		
107	113.1	88.6	132.8
90	10.9	8.8	13.2

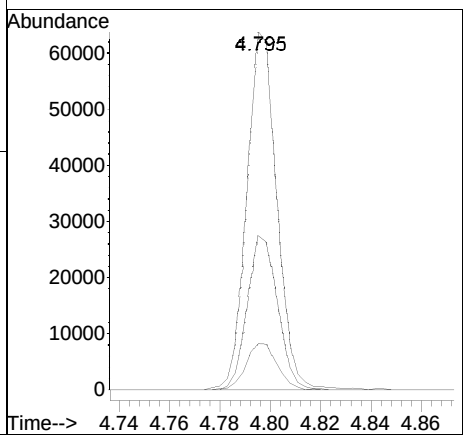


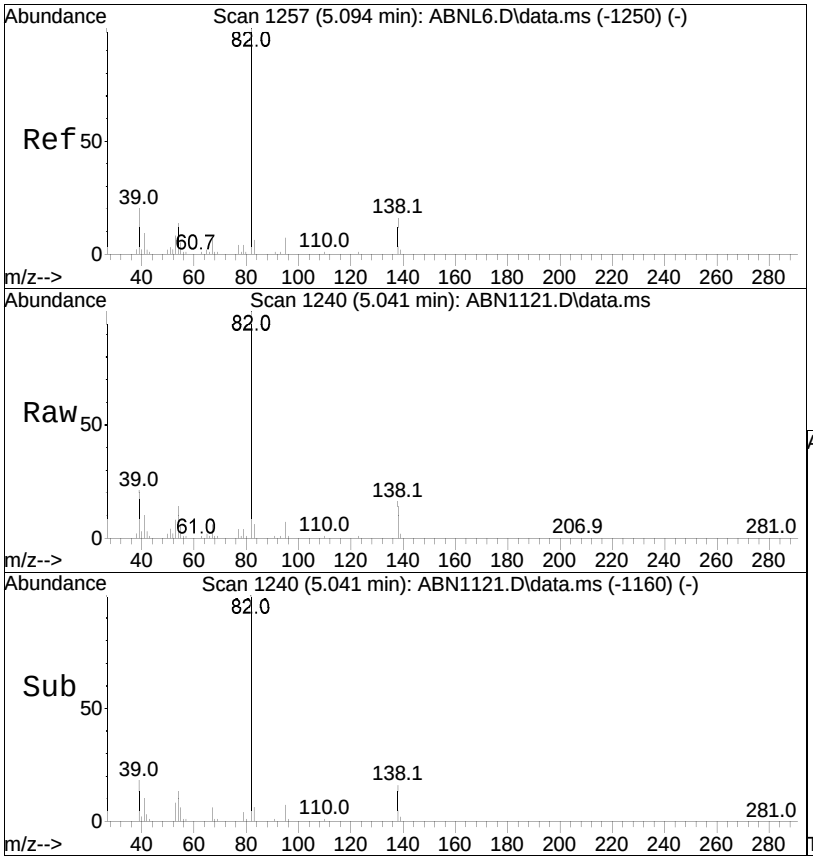


#20
Nitrobenzene
Concen: 4.69 ug/ml
RT: 4.795 min Scan# 1161
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion: 77 Resp: 52455

Ion	Ratio	Lower	Upper
77	100		
123	43.5	36.3	54.5
65	13.6	11.6	17.4

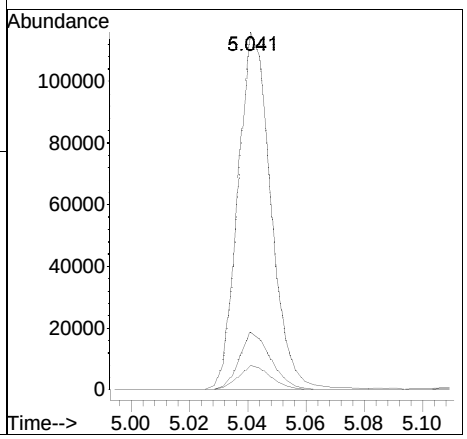


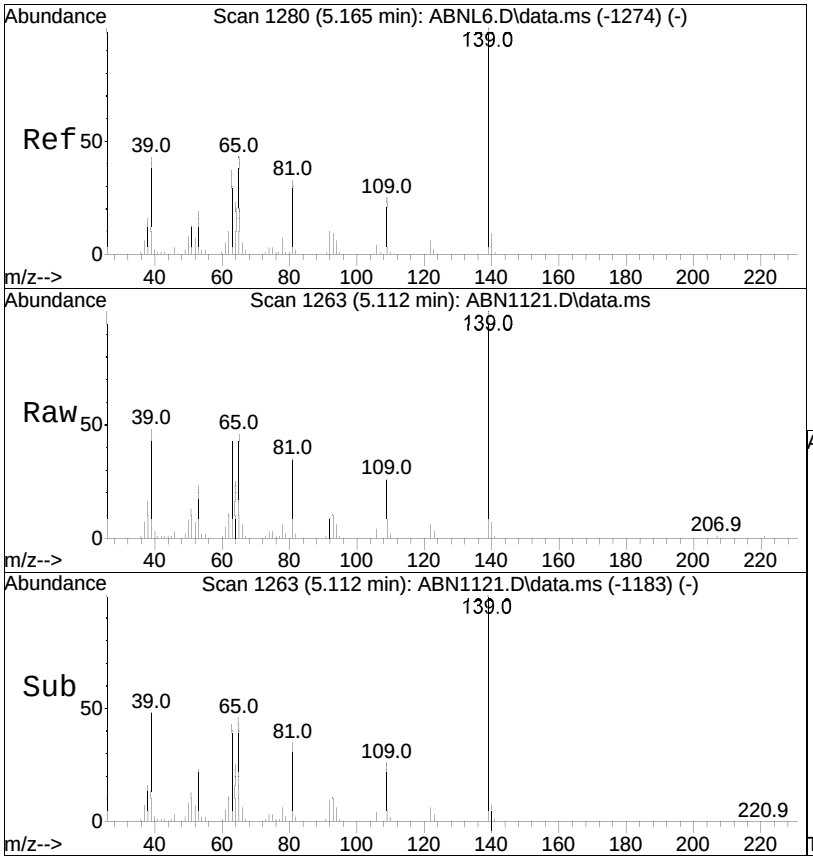


#21
Isophorone
Concen: 4.37 ug/ml
RT: 5.041 min Scan# 1240
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion: 82 Resp: 89980

Ion	Ratio	Lower	Upper
82	100		
138	15.4	14.7	22.1
95	6.5	5.2	7.8

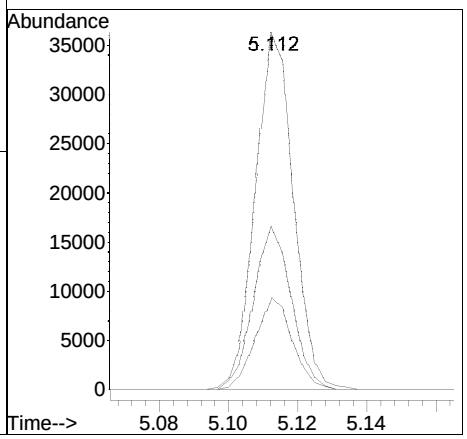


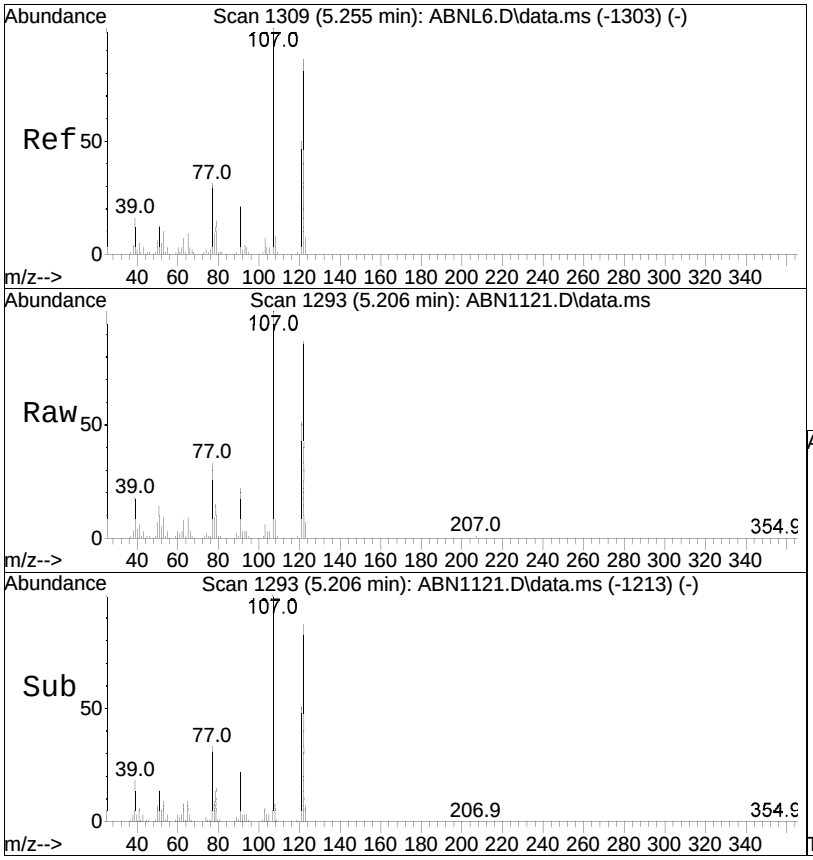


#22
2-Nitrophenol
Concen: 4.87 ug/ml
RT: 5.112 min Scan# 1263
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:139 Resp: 27603

Ion	Ratio	Lower	Upper
139	100		
109	25.3	19.4	29.0
65	45.7	46.1	69.1#

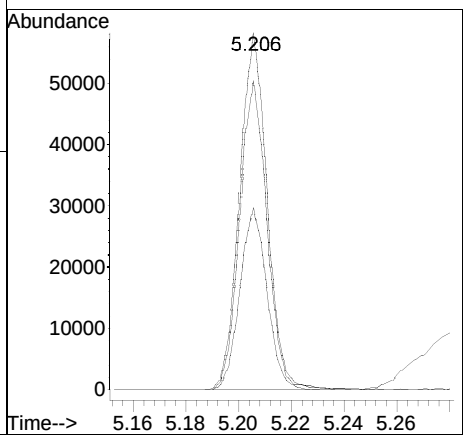


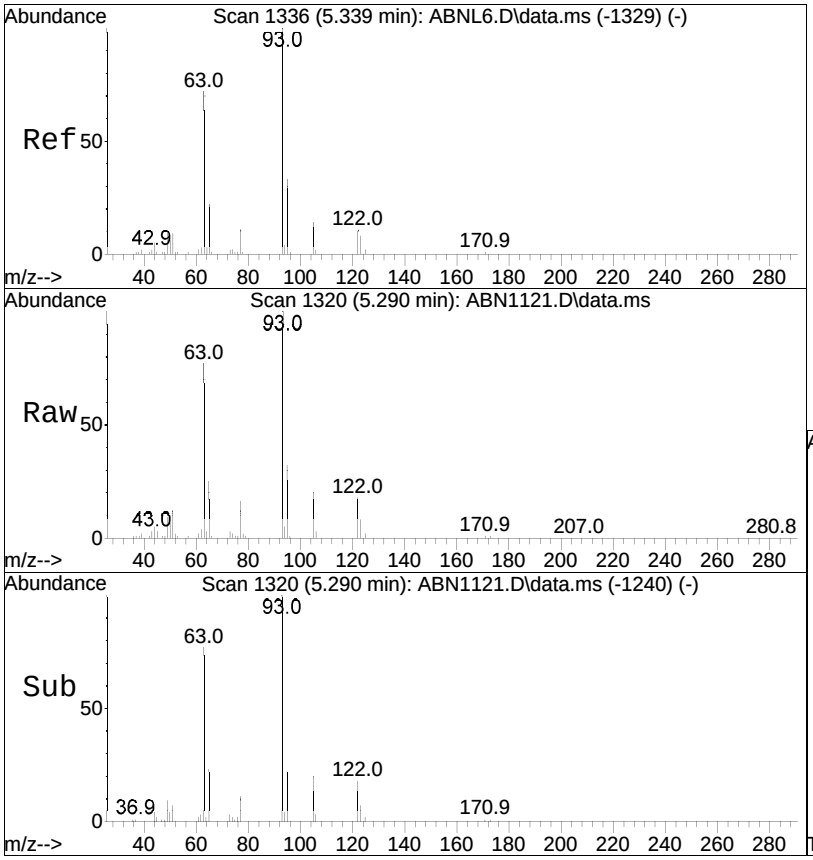


#23
2,4-Dimethylphenol
Concen: 4.20 ug/ml
RT: 5.206 min Scan# 1293
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:107 Resp: 42286

Ion	Ratio	Lower	Upper
107	100		
121	49.9	40.0	60.0
122	85.6	70.2	105.4

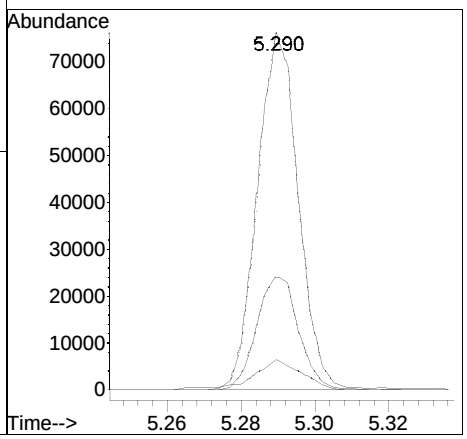


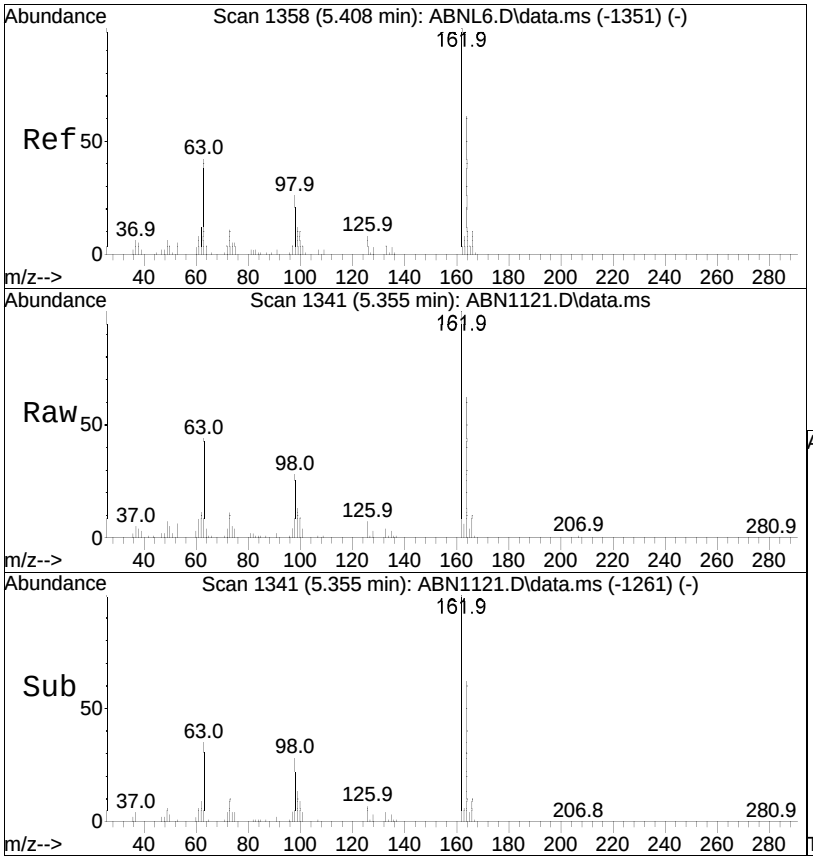


#24
Bis(2-chloroethoxy)methane
Concen: 4.53 ug/ml
RT: 5.290 min Scan# 1320
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion: 93 Resp: 58096

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.8
123	10.1	10.1	15.1

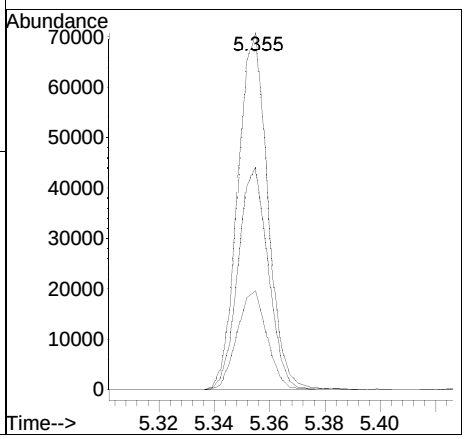


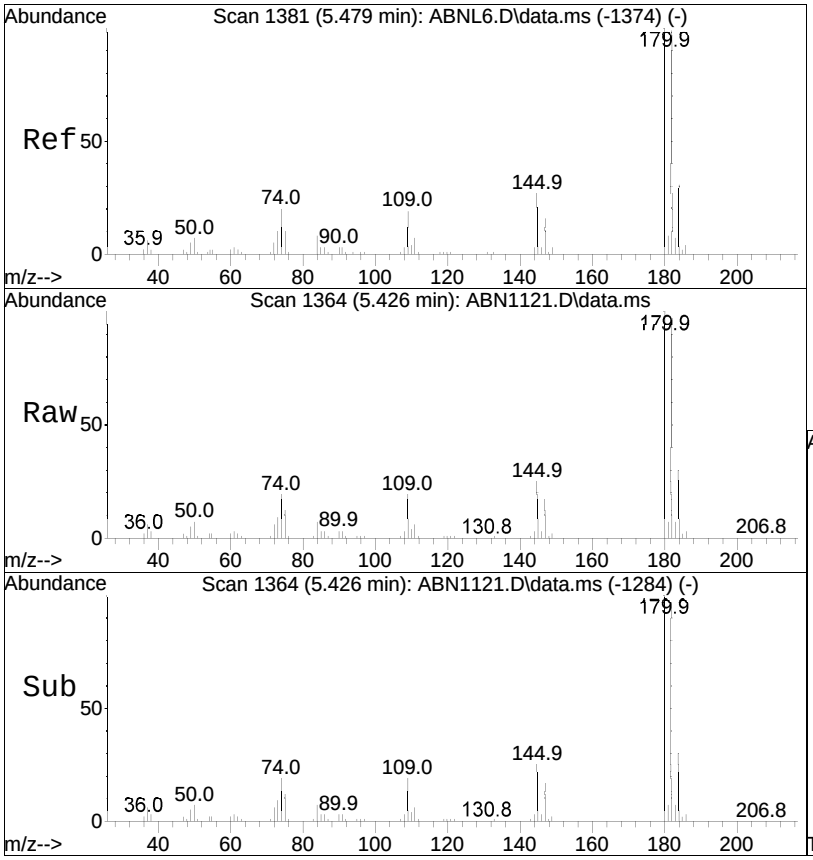


#25
2,4-Dichlorophenol
Concen: 4.53 ug/ml
RT: 5.355 min Scan# 1341
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:162 Resp: 53318

Ion	Ratio	Lower	Upper
162	100		
164	62.6	51.0	76.4
98	27.8	32.2	48.2#

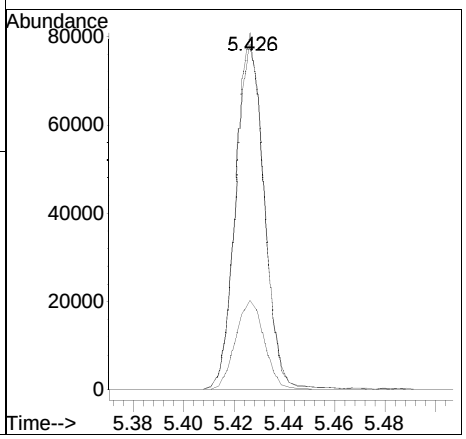


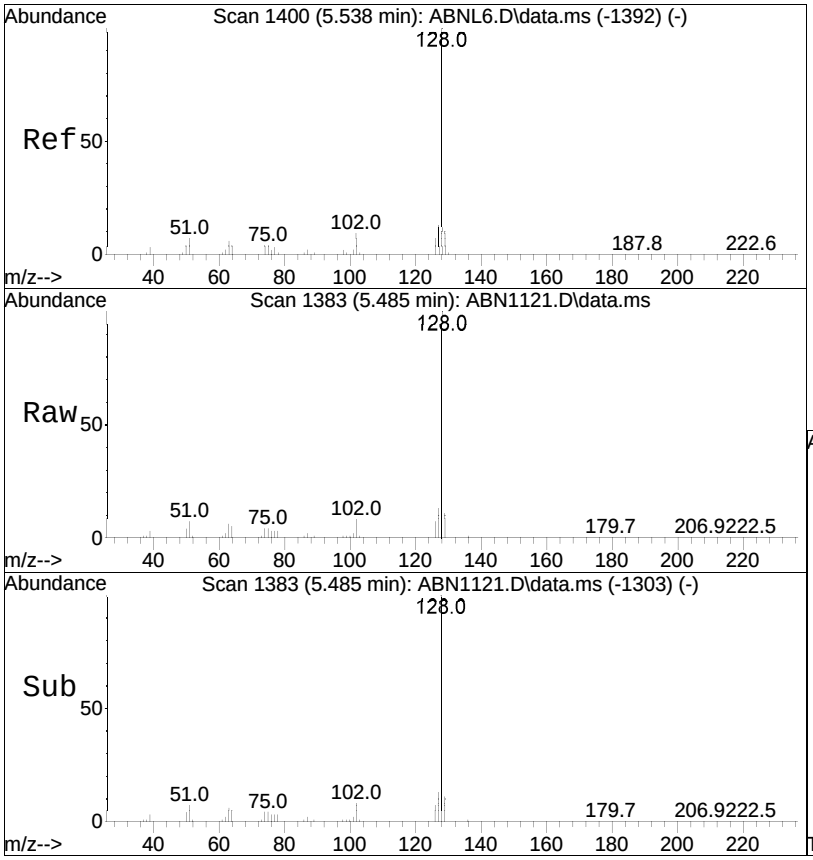


#26
1,2,4-Trichlorobenzene
Concen: 4.42 ug/ml
RT: 5.426 min Scan# 1364
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:180 Resp: 62885

Ion	Ratio	Lower	Upper
180	100		
182	98.1	76.0	114.0
145	25.5	25.7	38.5#

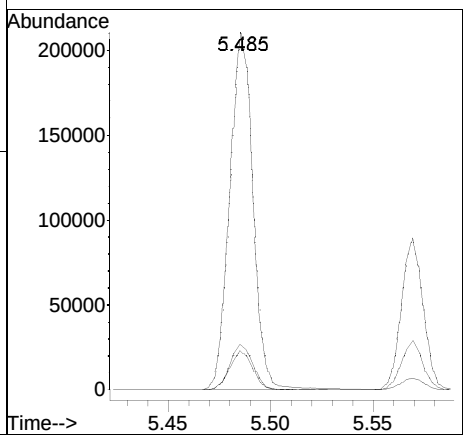


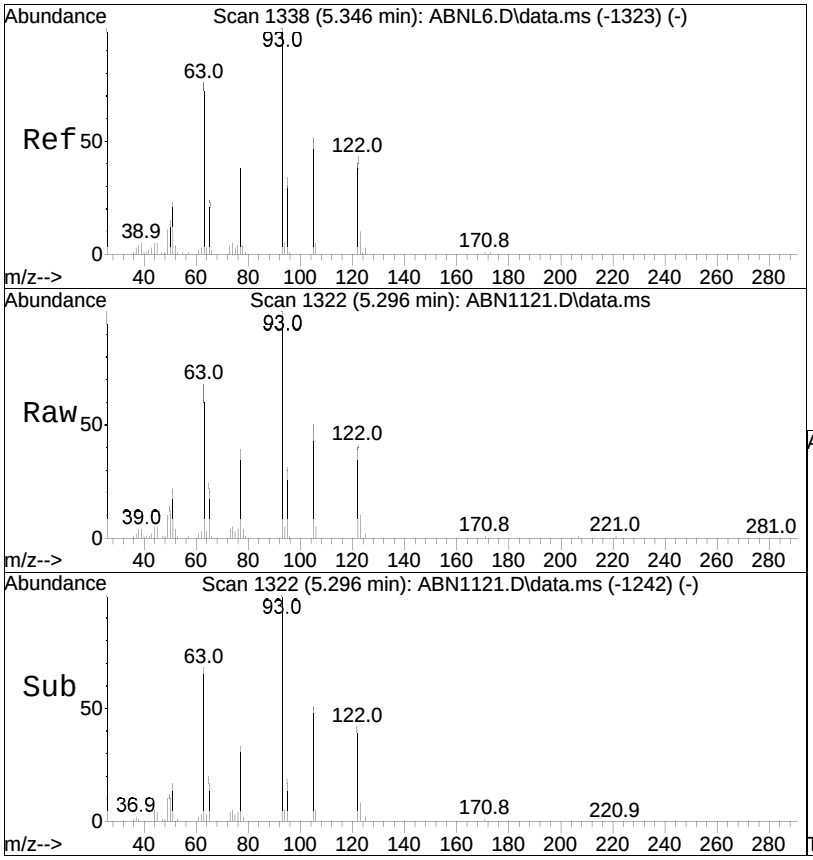


#38
Naphthalene
Concen: 4.53 ug/ml
RT: 5.485 min Scan# 1383
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:128 Resp: 165710

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.8	10.3	15.5

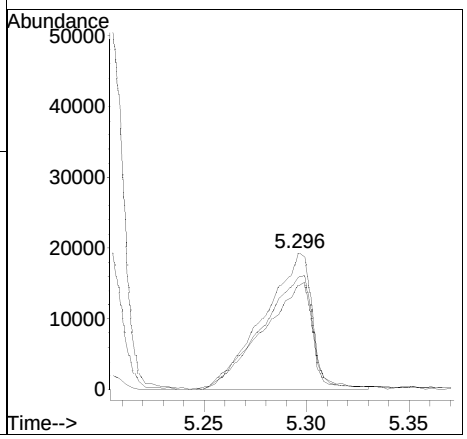


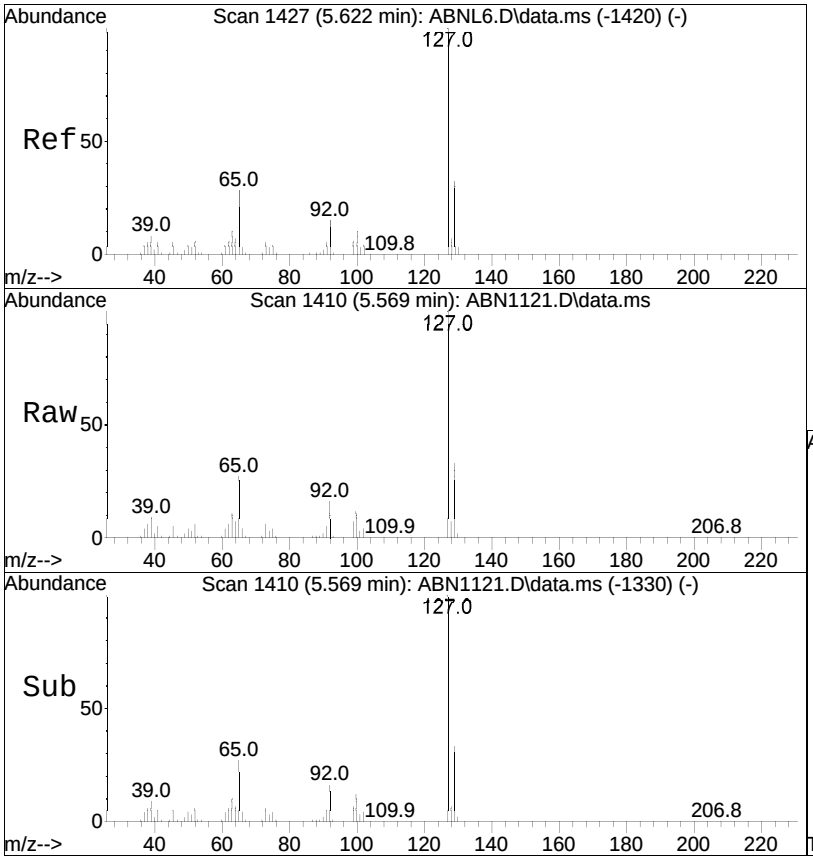


#39
Benzoic Acid
Concen: 4.24 ug/ml
RT: 5.296 min Scan# 1322
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:105 Resp: 32120

Ion	Ratio	Lower	Upper
105	100		
122	87.5	59.9	89.9
77	80.6	60.1	90.1

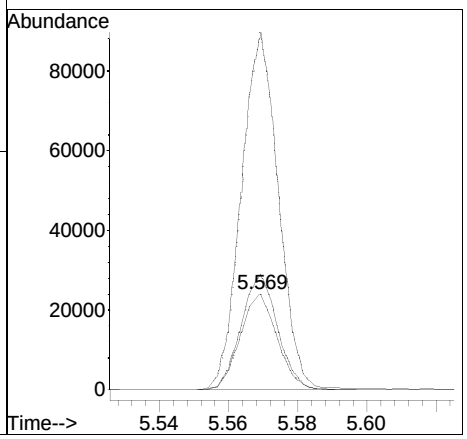


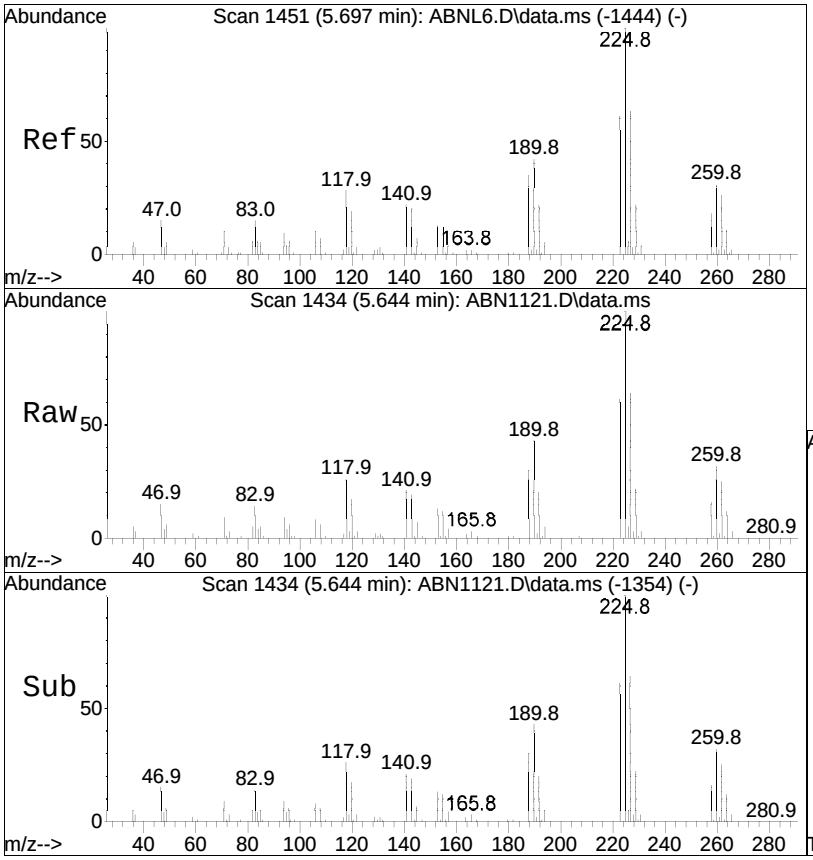


#40
4-Chloroaniline
Concen: 4.44 ug/ml
RT: 5.569 min Scan# 1410
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion: 65 Resp: 17859

Ion	Ratio	Lower	Upper
65	100		
127	370.6	237.6	356.4#
129	118.7	76.3	114.5#

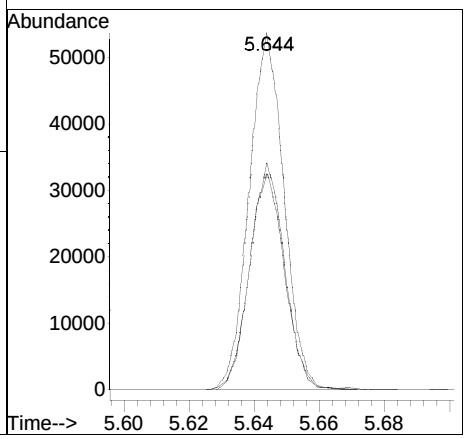


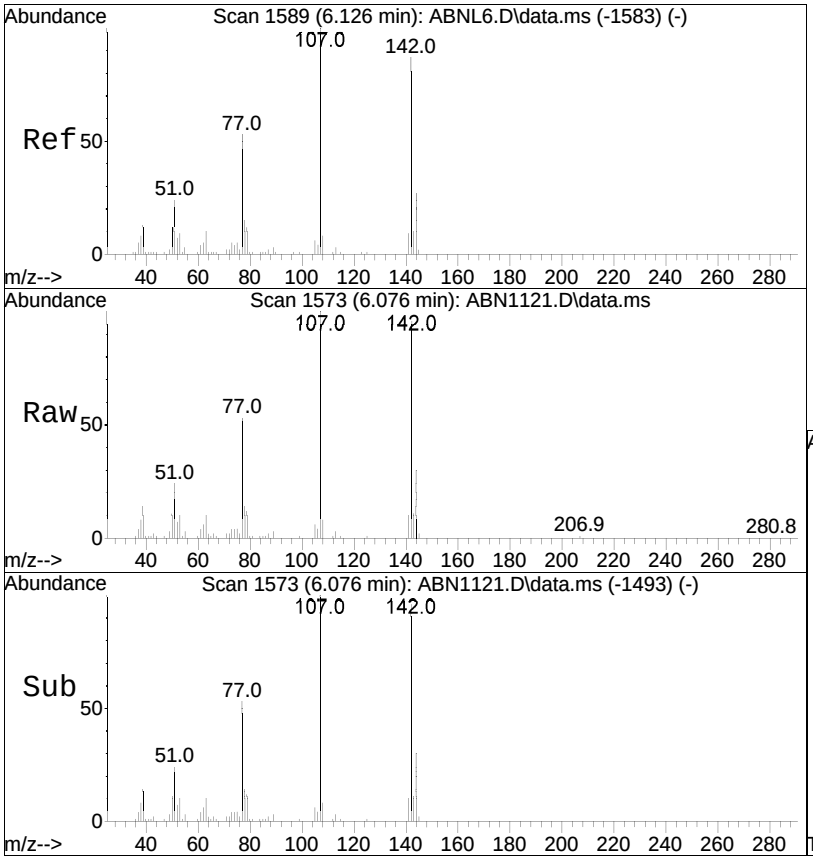


#41
Hexachlorobutadiene
Concen: 4.64 ug/ml
RT: 5.644 min Scan# 1434
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:225 Resp: 39897

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.3	75.5
227	63.1	52.2	78.2

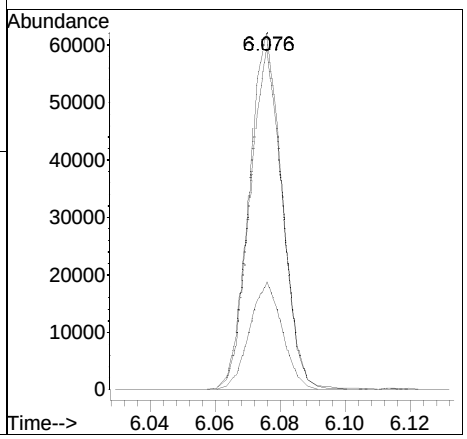


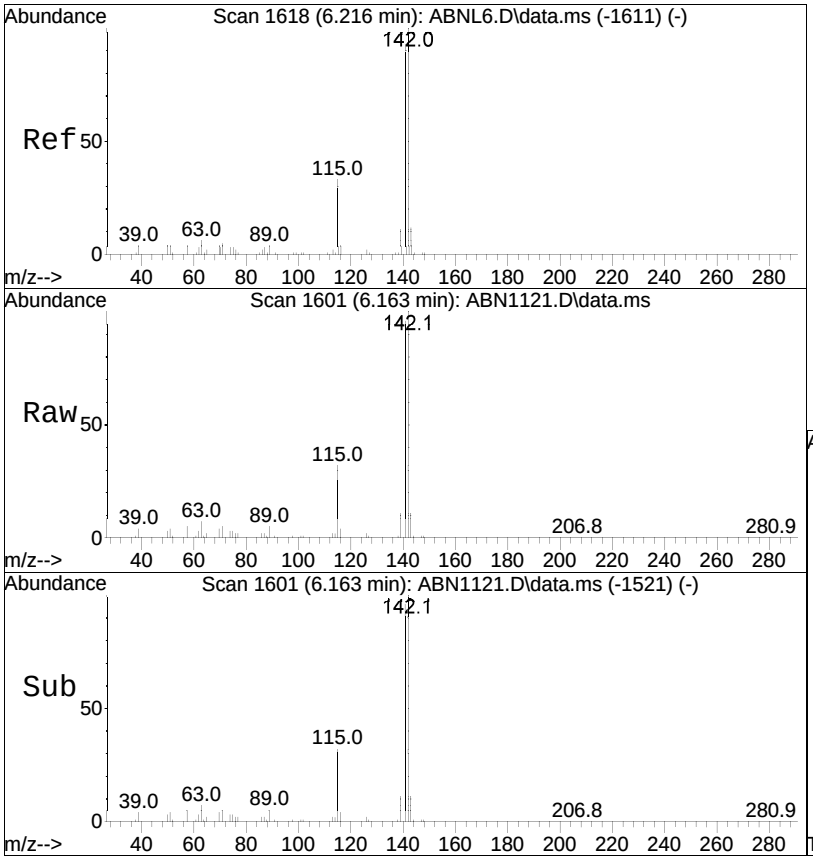


#42
p-Chloro-m-cresol
Concen: 4.53 ug/ml
RT: 6.076 min Scan# 1573
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:107 Resp: 43658

Ion	Ratio	Lower	Upper
107	100		
144	29.8	20.9	31.3
142	93.5	66.1	99.1

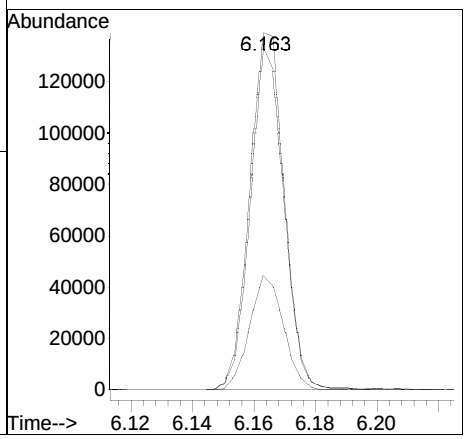


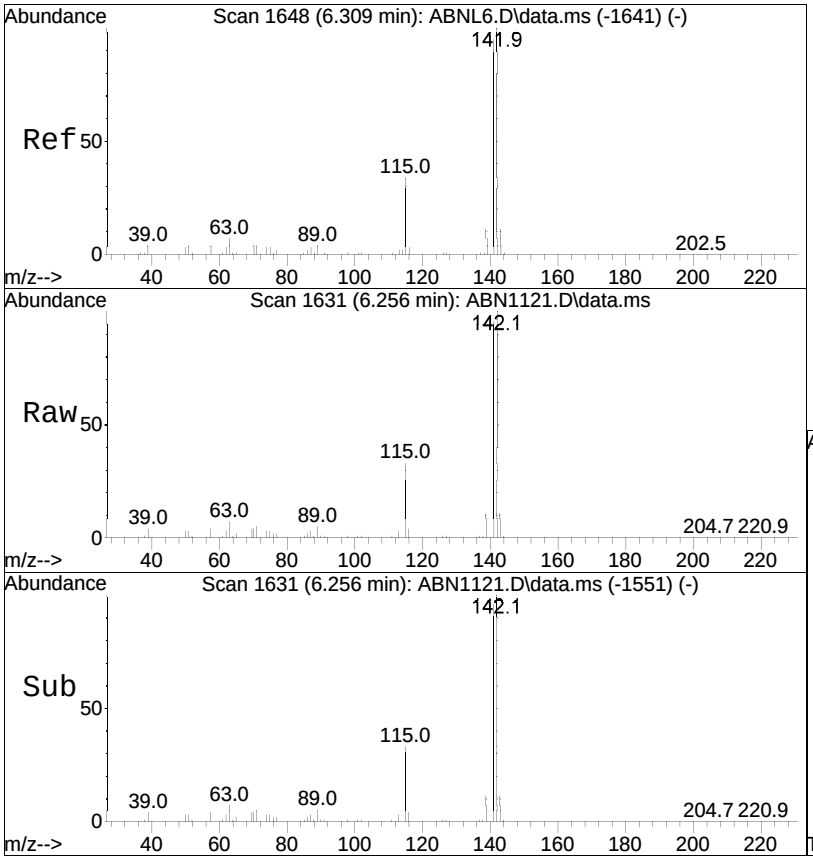


#43
2-Methylnaphthalene
Concen: 4.32 ug/ml
RT: 6.163 min Scan# 1601
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:142 Resp: 109455

Ion	Ratio	Lower	Upper
142	100		
141	92.1	69.6	104.4
115	31.3	26.6	40.0

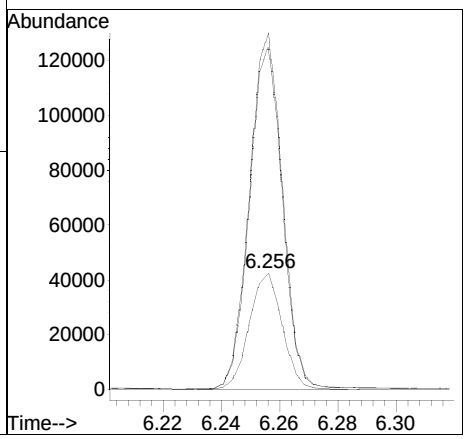


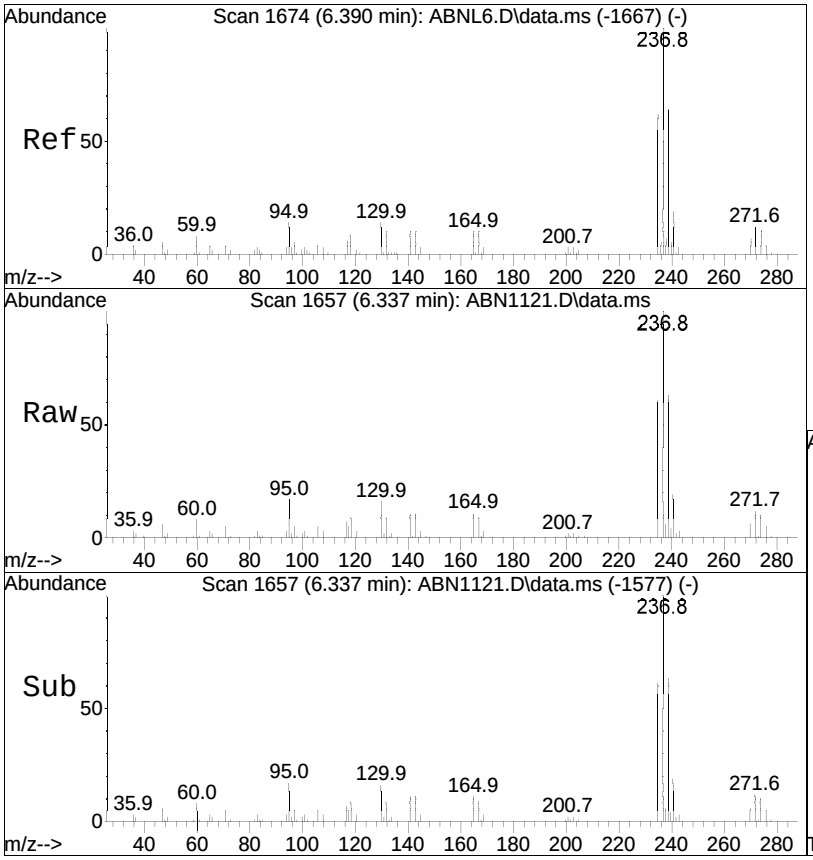


#44
1-Methylnaphthalene
Concen: 4.14 ug/ml
RT: 6.256 min Scan# 1631
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:115 Resp: 33322

Ion	Ratio	Lower	Upper
115	100		
141	291.7	207.8	311.6
142	309.0	226.8	340.2

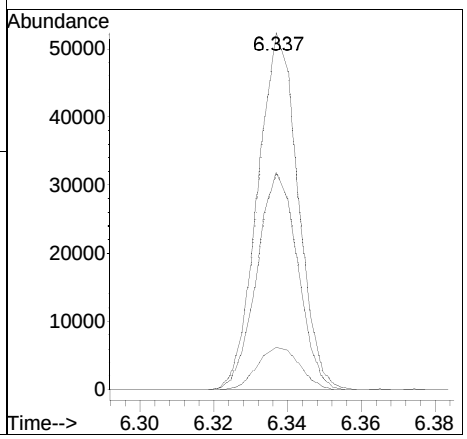


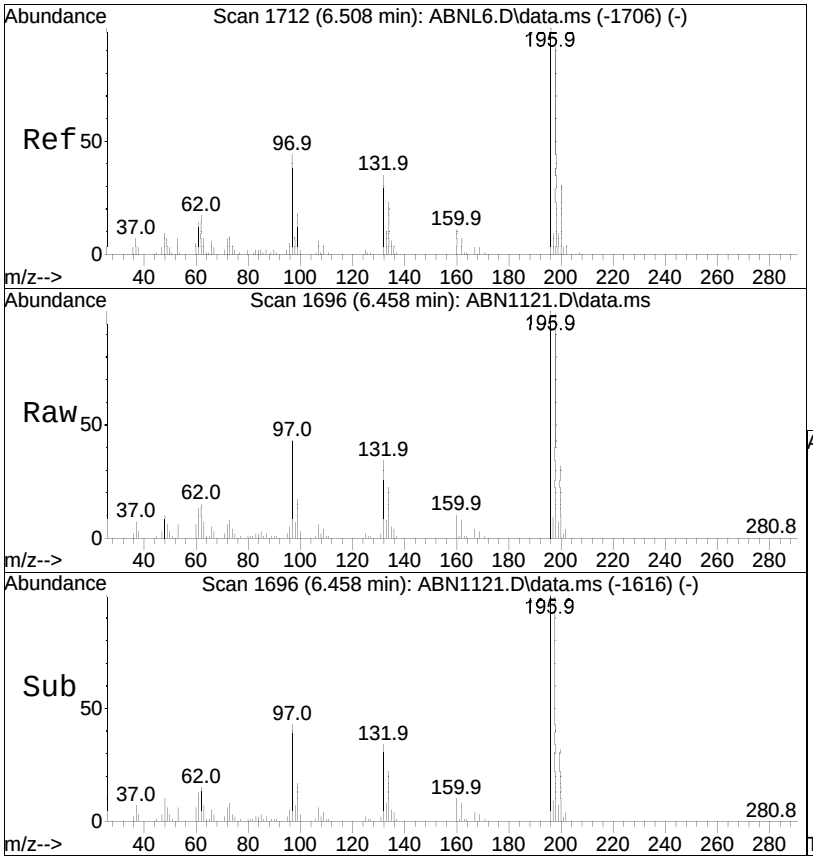


#45
Hexachlorocyclopentadiene
Concen: 4.37 ug/ml
RT: 6.337 min Scan# 1657
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:237 Resp: 39636

Ion	Ratio	Lower	Upper
237	100		
235	61.9	49.7	74.5
272	12.8	9.8	14.6

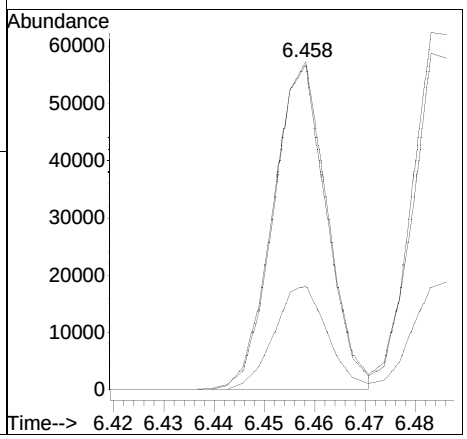


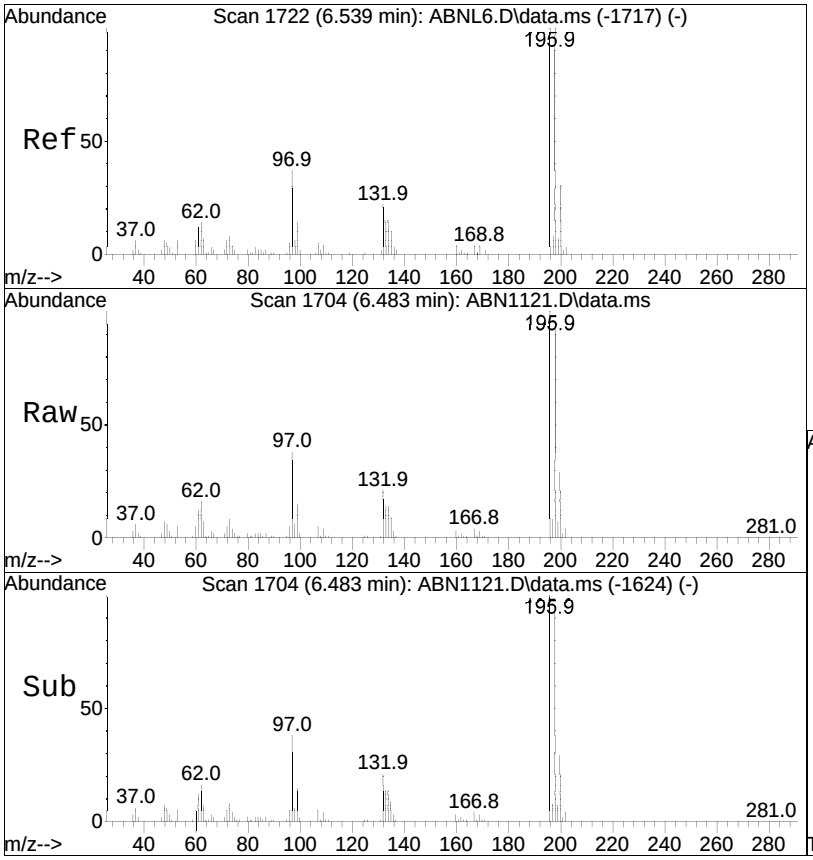


#46
2,4,6-Trichlorophenol
Concen: 4.49 ug/ml
RT: 6.458 min Scan# 1696
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:196 Resp: 42824

Ion	Ratio	Lower	Upper
196	100		
198	96.7	77.5	116.3
200	31.2	23.8	35.6

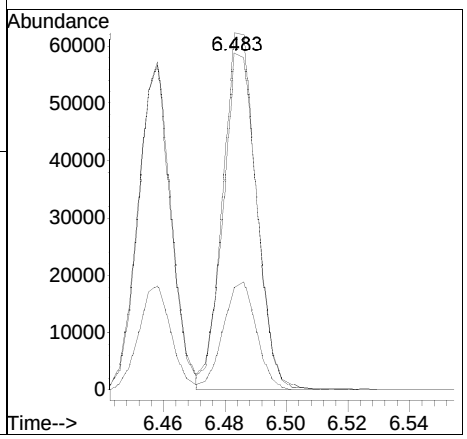


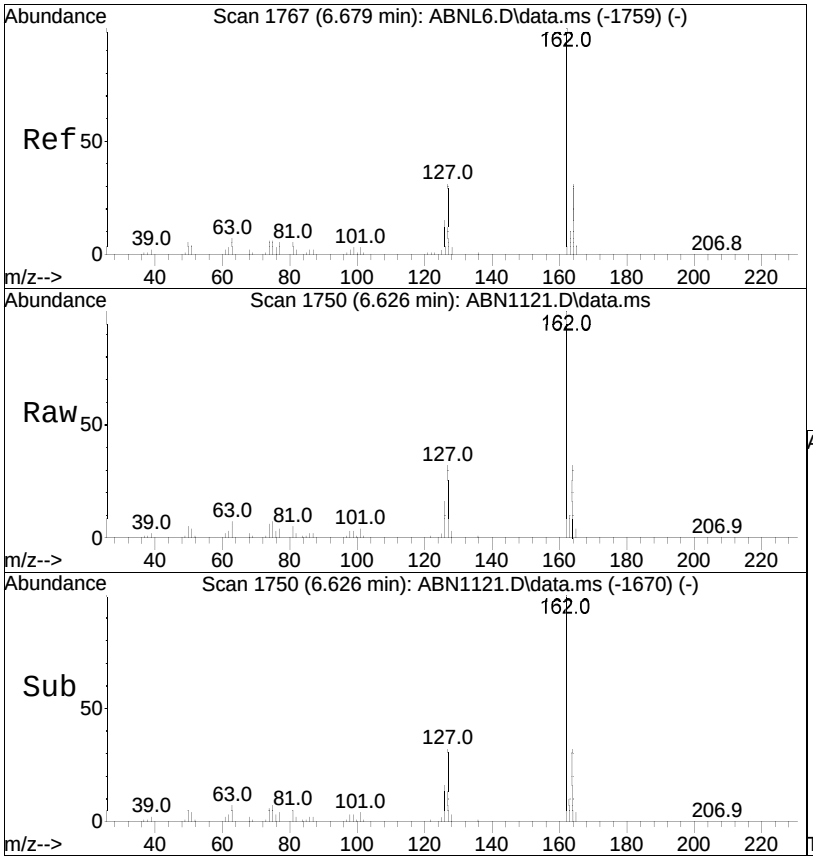


#47
2,4,5-Trichlorophenol
Concen: 4.47 ug/ml
RT: 6.483 min Scan# 1704
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:196 Resp: 47687

Ion	Ratio	Lower	Upper
196	100		
200	29.6	25.4	38.0
198	93.8	78.0	117.0

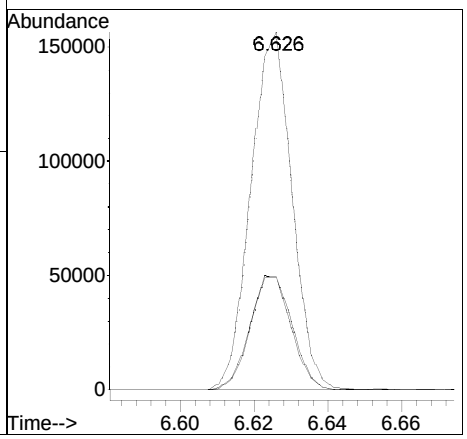


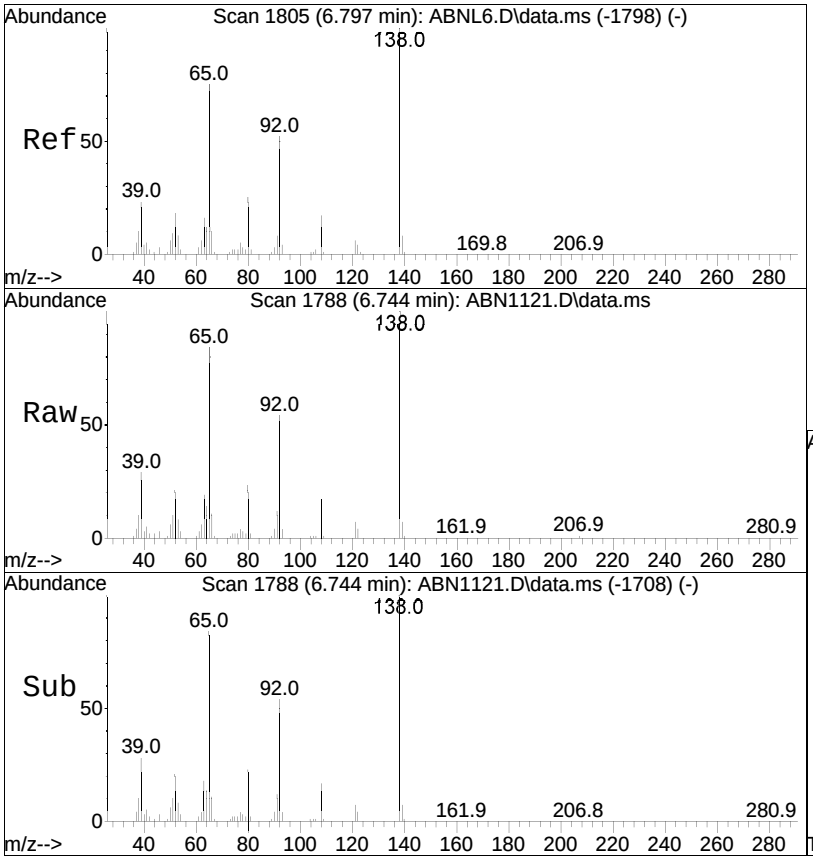


#49
2-Chloronaphthalene
Concen: 4.23 ug/ml
RT: 6.626 min Scan# 1750
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:162 Resp: 120124

Ion	Ratio	Lower	Upper
162	100		
127	32.3	32.2	48.4
164	32.5	25.7	38.5

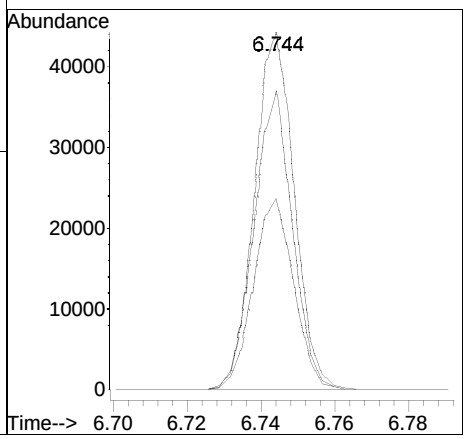


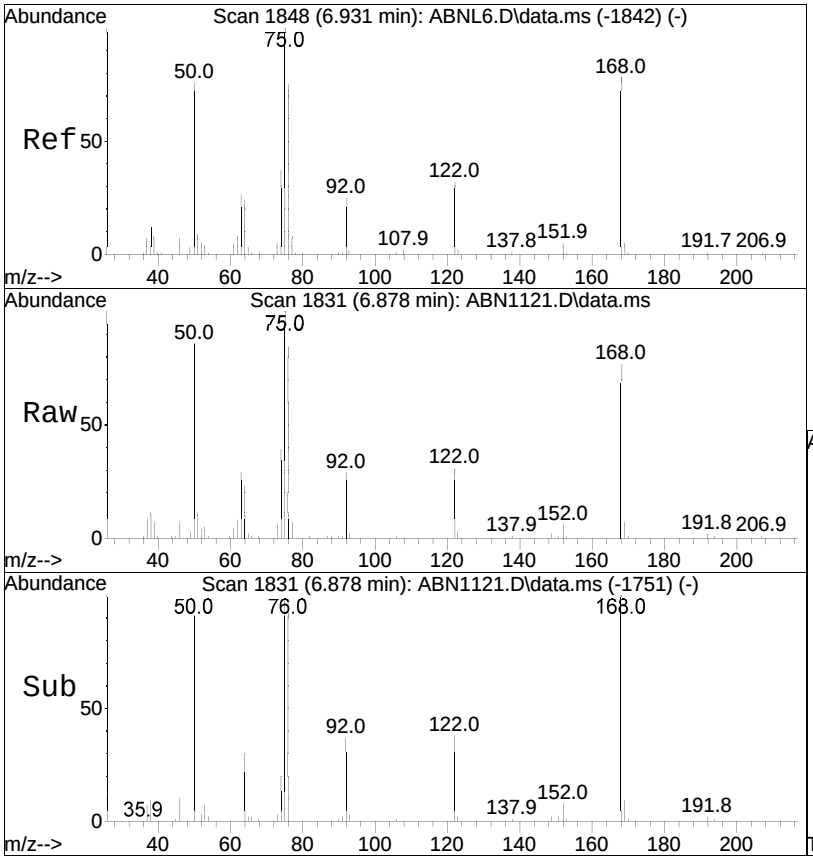


#50
2-Nitroaniline
Concen: 4.52 ug/ml
RT: 6.744 min Scan# 1788
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:138 Resp: 32798

Ion	Ratio	Lower	Upper
138	100		
92	54.6	53.5	80.3
65	81.3	86.3	129.5#

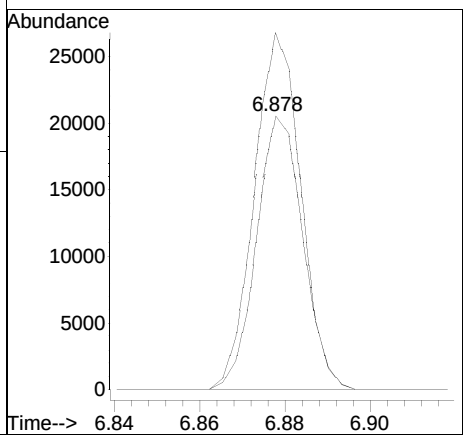


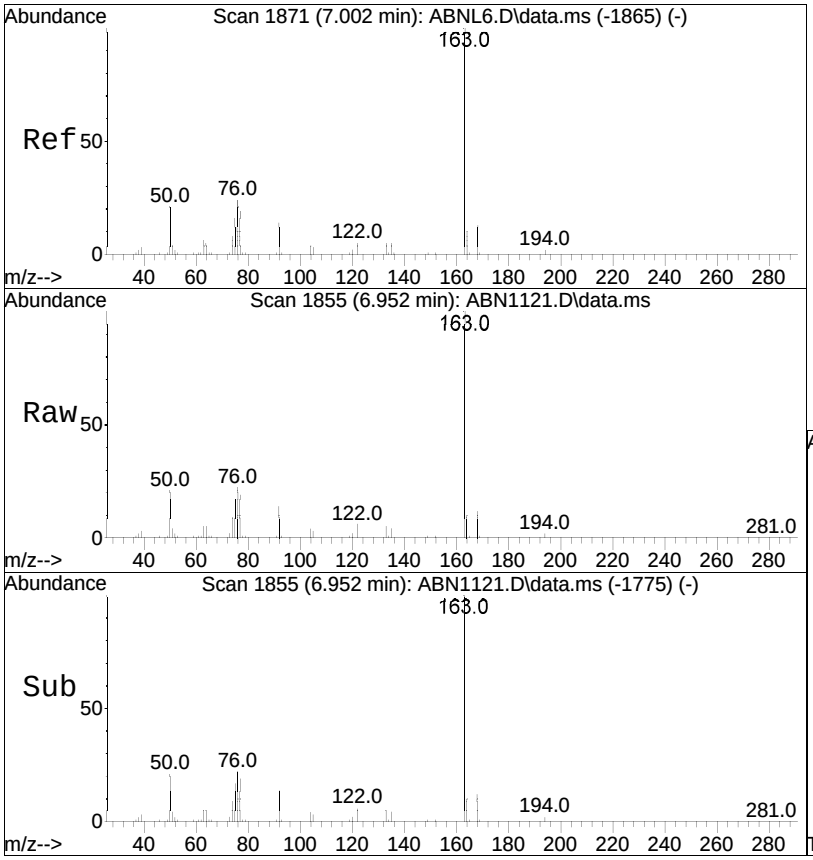


#51
1,4-Dinitrobenzene
Concen: 4.92 ug/ml
RT: 6.878 min Scan# 1831
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:168 Resp: 15518

Ion	Ratio	Lower	Upper
168	100		
75	131.0	121.8	182.8

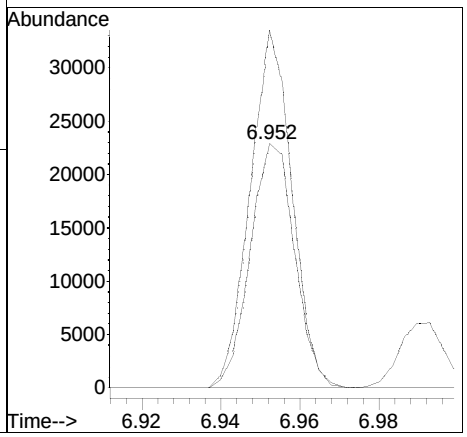


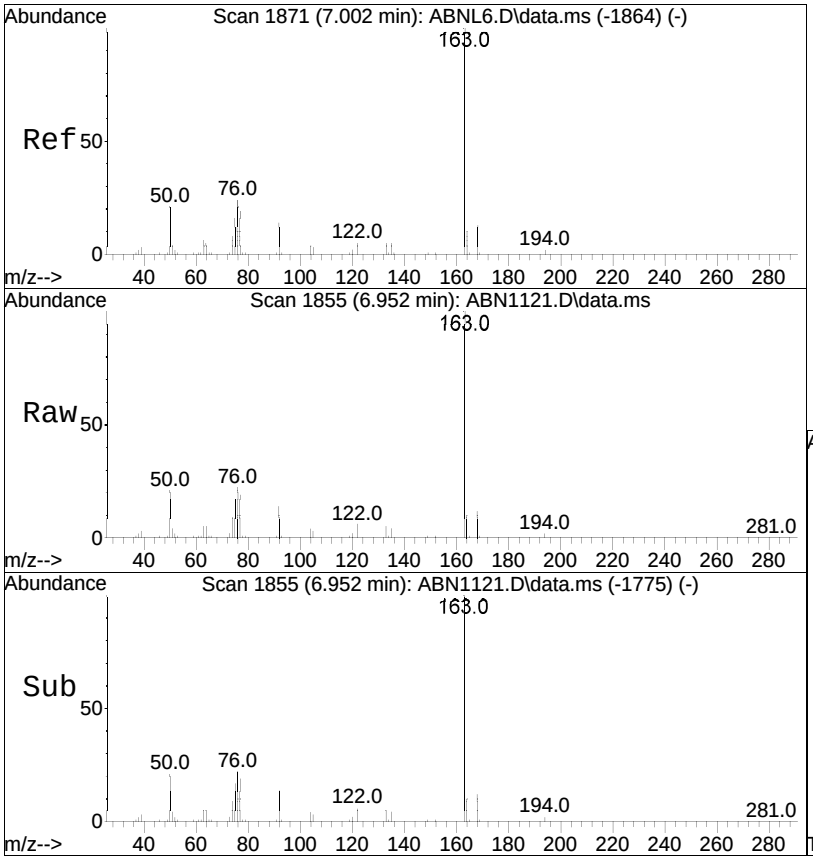


#52
1,3-Dinitrobenzene
Concen: 4.71 ug/ml
RT: 6.952 min Scan# 1855
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:168 Resp: 17776

Ion	Ratio	Lower	Upper
168	100		
75	137.6	22.7	34.1#

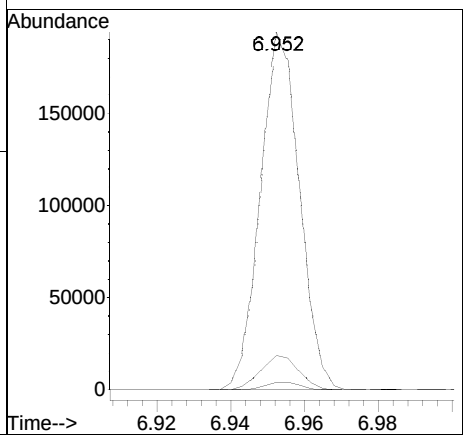


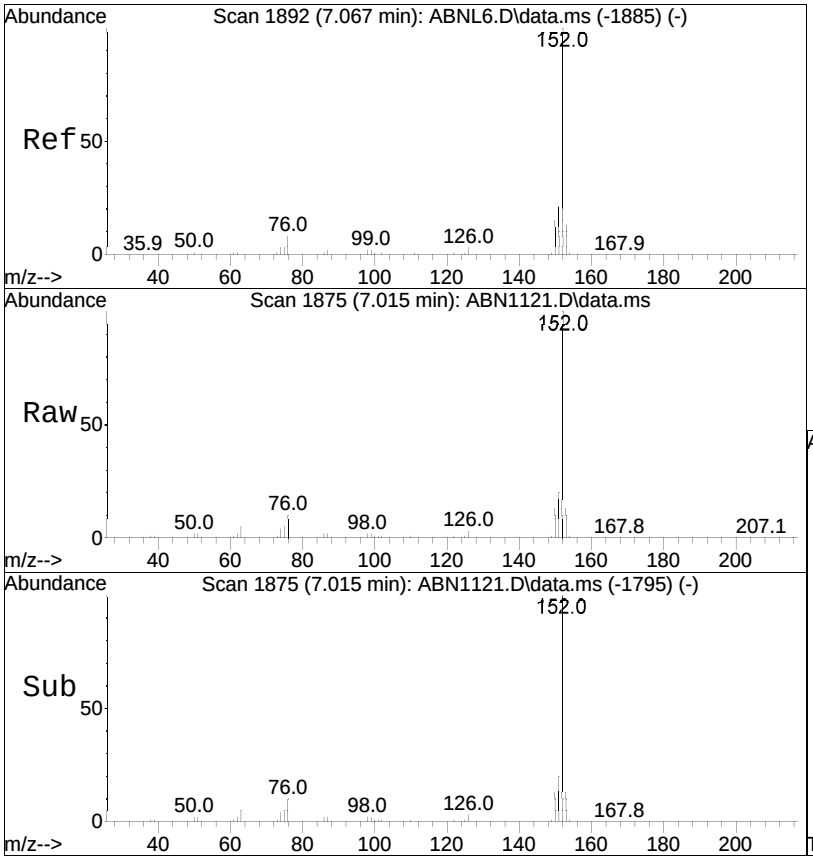


#53
Dimethyl phthalate
Concen: 4.30 ug/ml
RT: 6.952 min Scan# 1855
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:163 Resp: 141784

Ion	Ratio	Lower	Upper
163	100		
194	2.2	3.5	5.3#
164	9.7	7.9	11.9

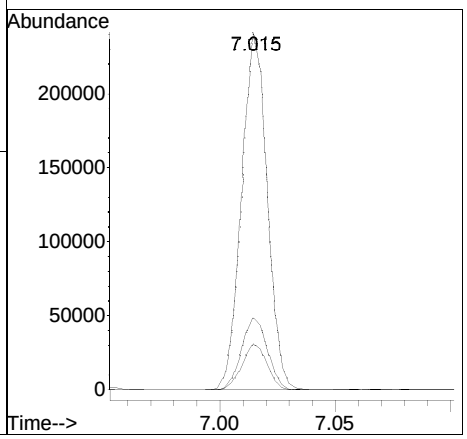


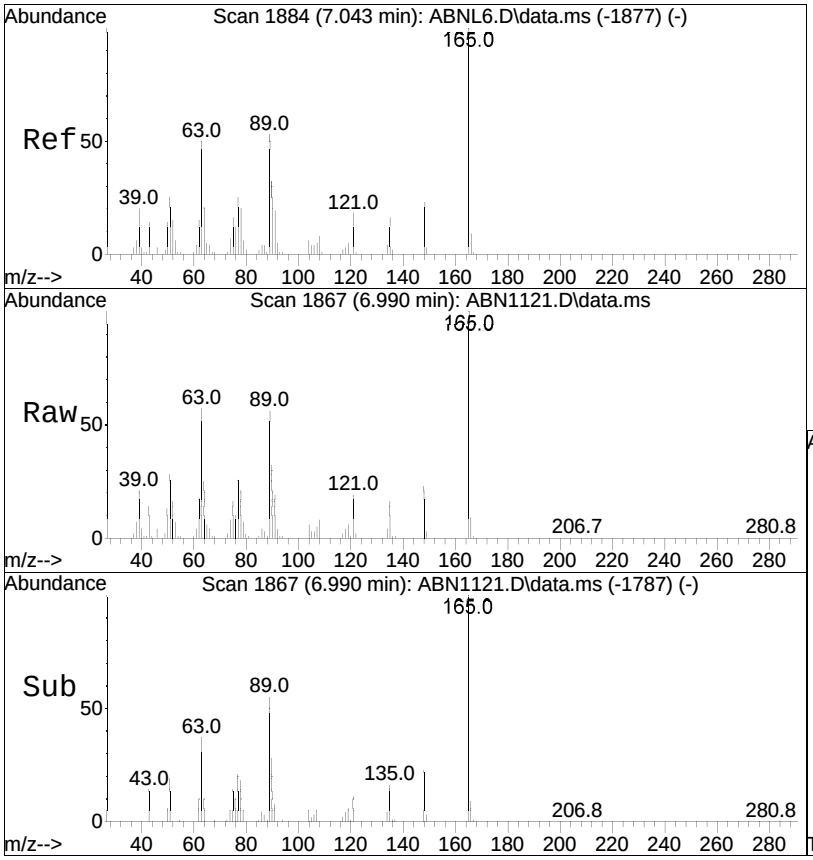


#54
Acenaphthylene
Concen: 4.43 ug/ml
RT: 7.015 min Scan# 1875
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:152 Resp: 184543

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.6
153	12.8	10.5	15.7

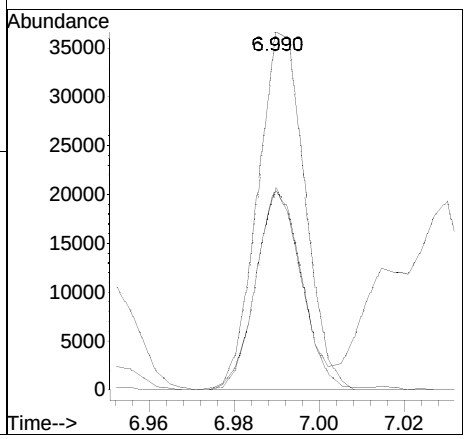


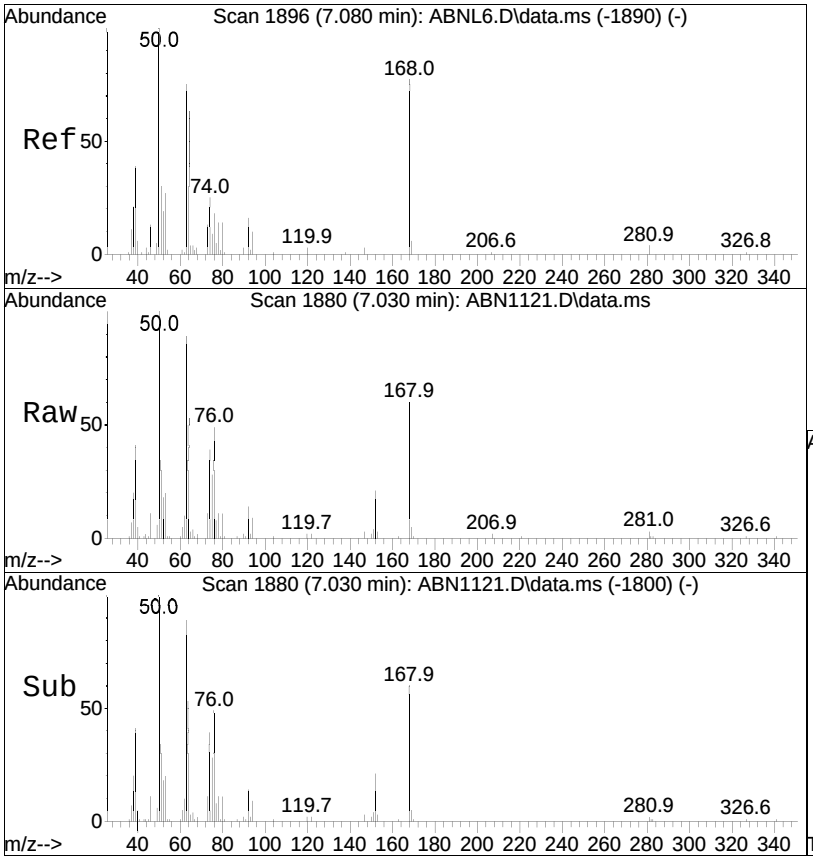


#55
2,6-Dinitrotoluene
Concen: 4.59 ug/ml
RT: 6.990 min Scan# 1867
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:165 Resp: 28238

Ion	Ratio	Lower	Upper
165	100		
89	55.0	54.2	81.2
63	54.2	64.2	96.2#

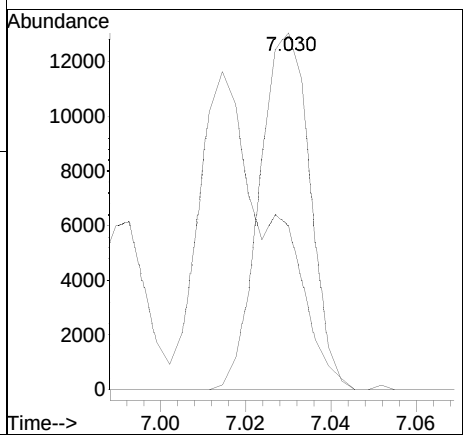


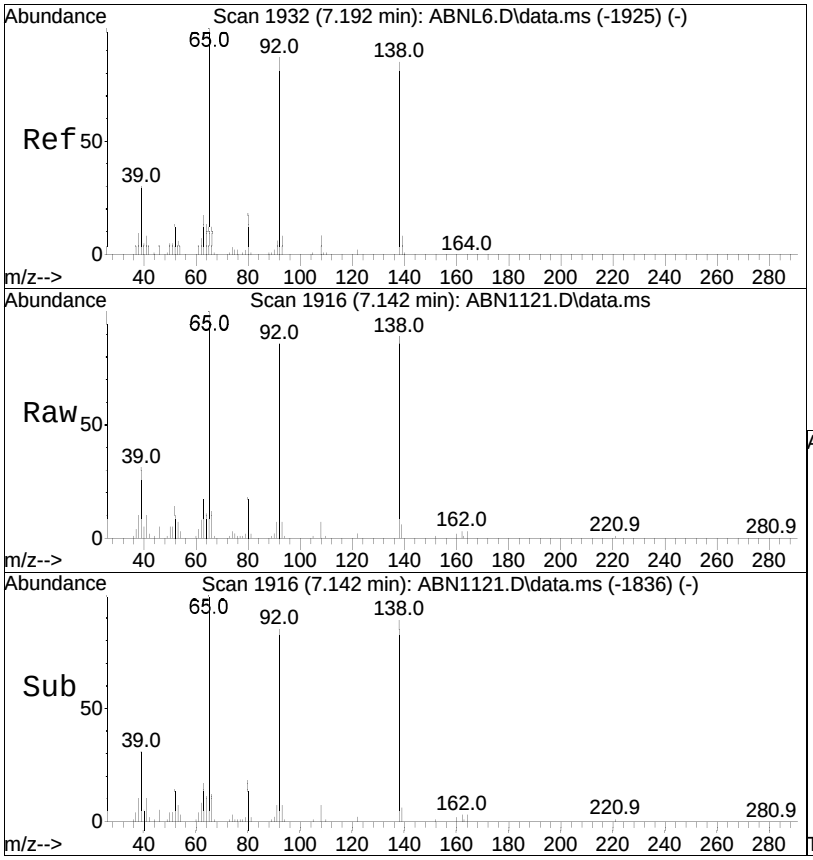


#56
1,2-Dinitrobenzene
Concen: 4.88 ug/ml
RT: 7.030 min Scan# 1880
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:168 Resp: 10757

Ion	Ratio	Lower	Upper
168	100		
75	125.0	30.9	46.3#

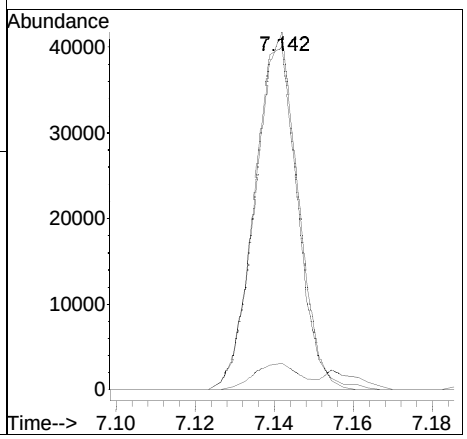


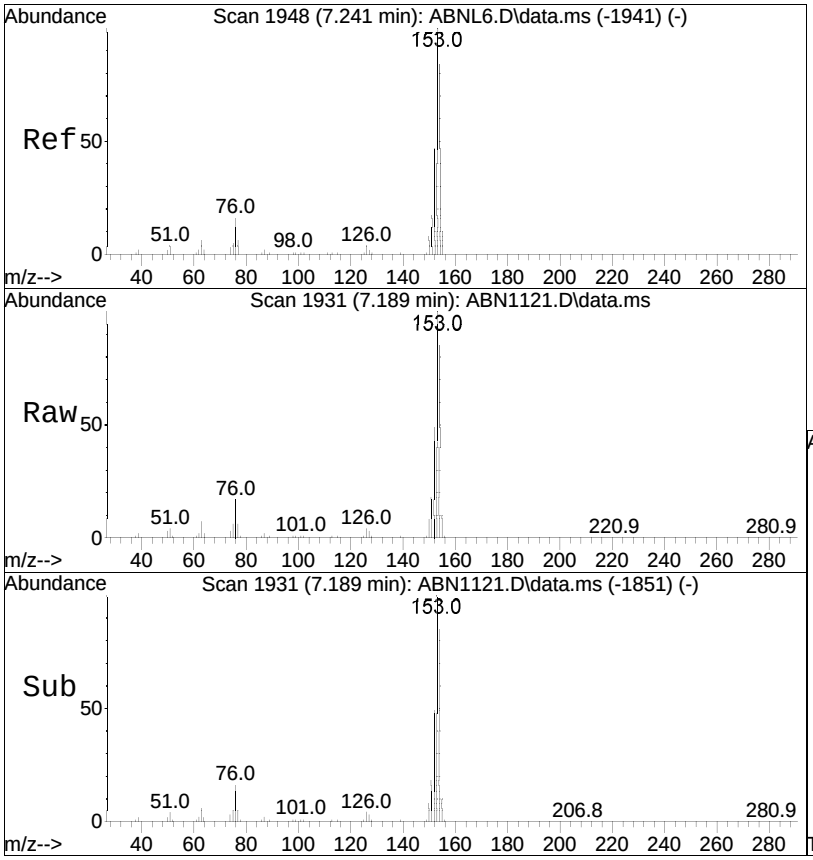


#66
3-Nitroaniline
Concen: 4.80 ug/ml
RT: 7.142 min Scan# 1916
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:138 Resp: 30853

Ion	Ratio	Lower	Upper
138	100		
92	99.3	93.4	140.2
108	8.4	9.5	14.3#

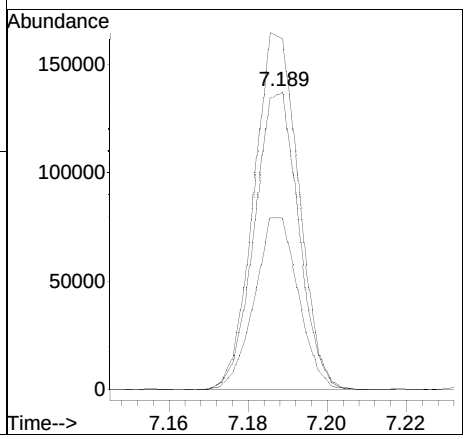


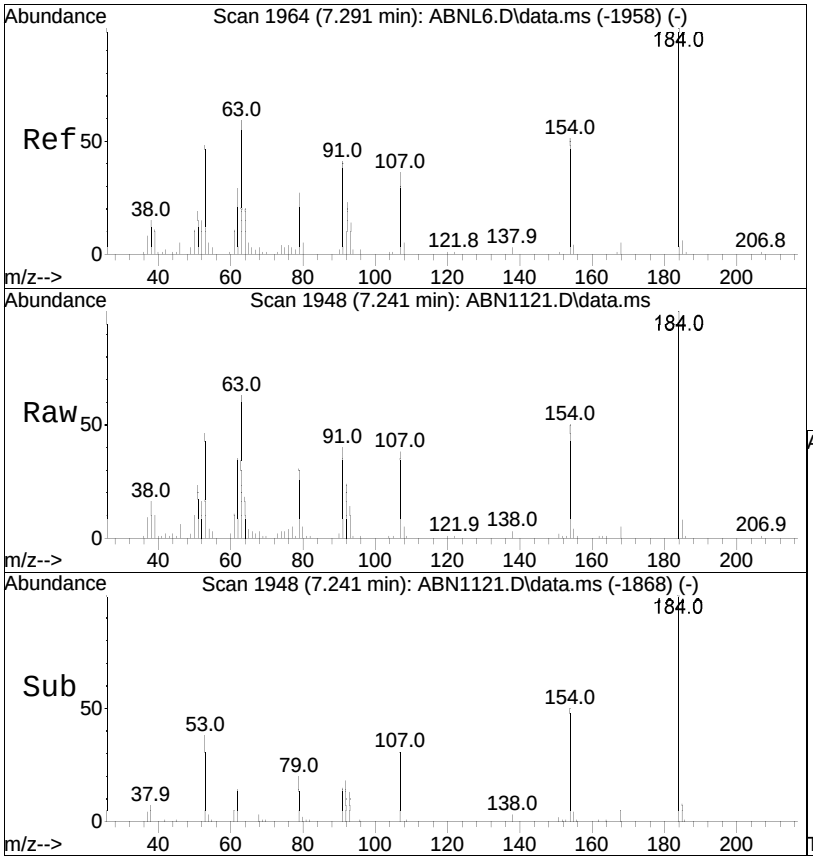


#67
Acenaphthene
Concen: 4.40 ug/ml
RT: 7.189 min Scan# 1931
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:154 Resp: 106513

Ion	Ratio	Lower	Upper
154	100		
153	121.6	85.3	127.9
152	57.8	41.4	62.0

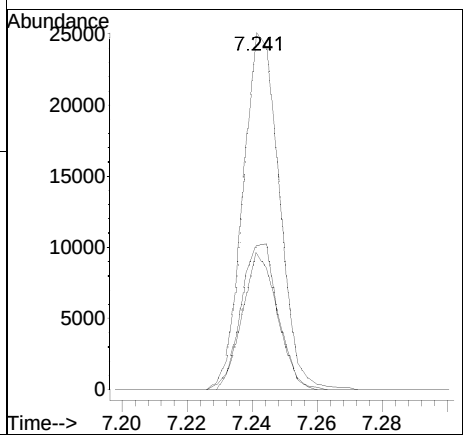


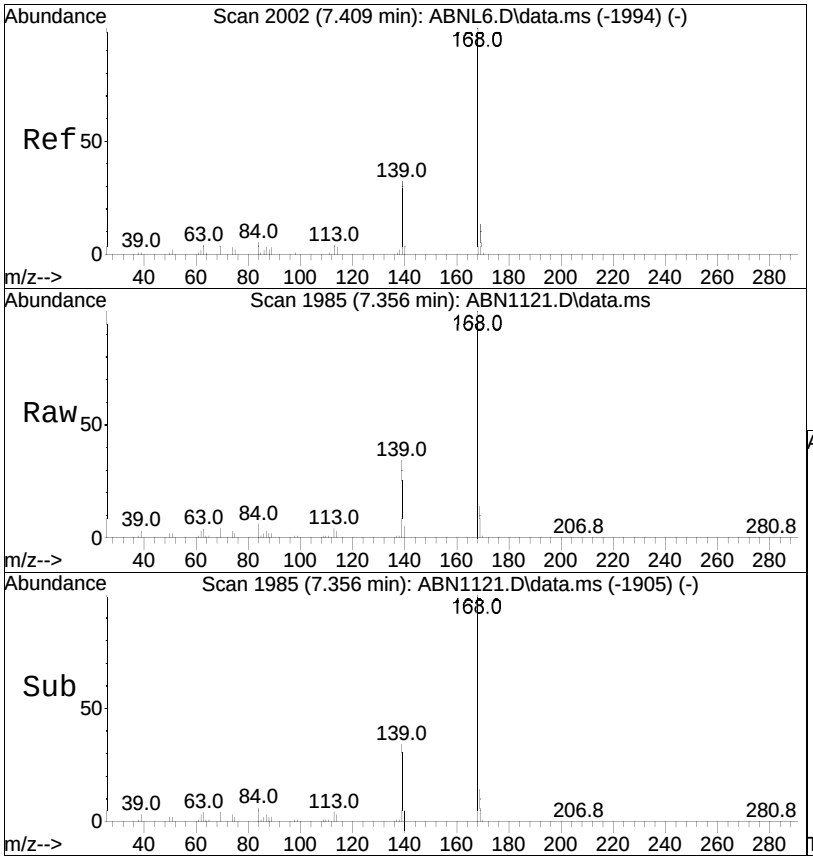


#68
2,4-Dinitrophenol
Concen: 4.93 ug/ml
RT: 7.241 min Scan# 1948
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:184 Resp: 19292

Ion	Ratio	Lower	Upper
184	100		
107	37.4	37.7	56.5#
91	41.6	46.3	69.5#

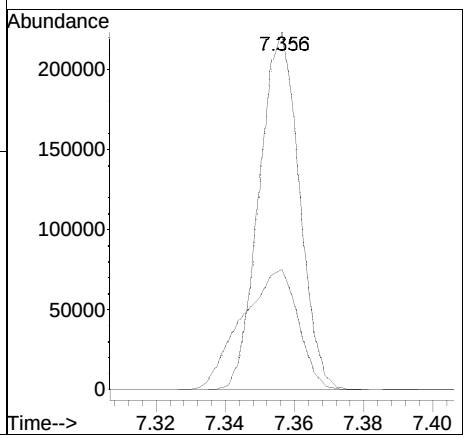


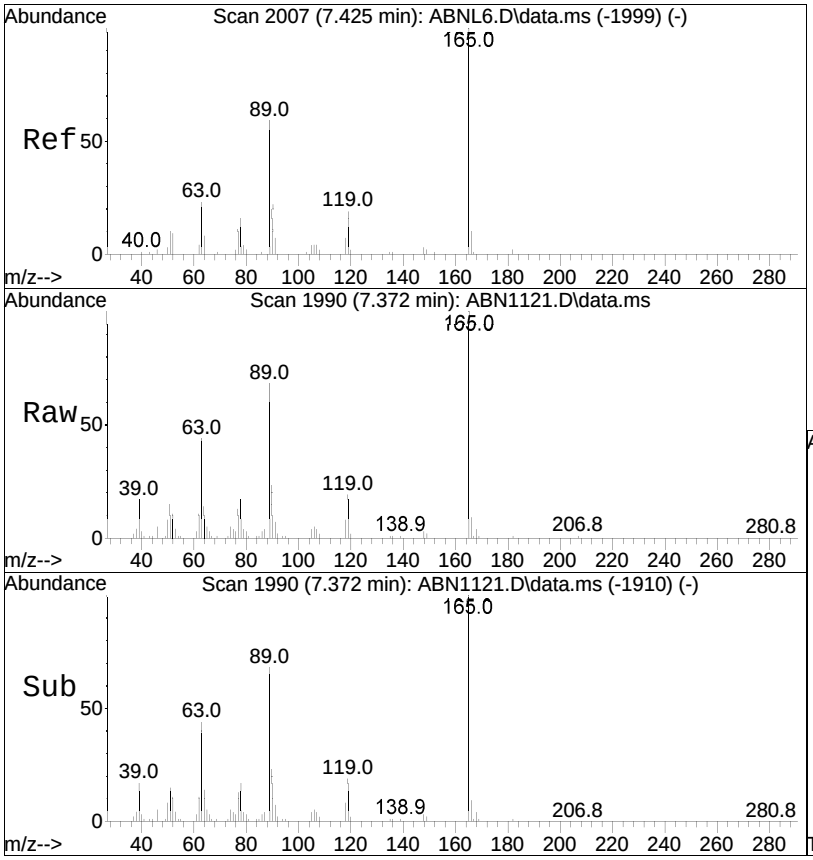


#69
Dibenzofuran
Concen: 4.27 ug/ml
RT: 7.356 min Scan# 1985
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:168 Resp: 178052

Ion	Ratio	Lower	Upper
168	100		
139	47.7	31.4	47.2#

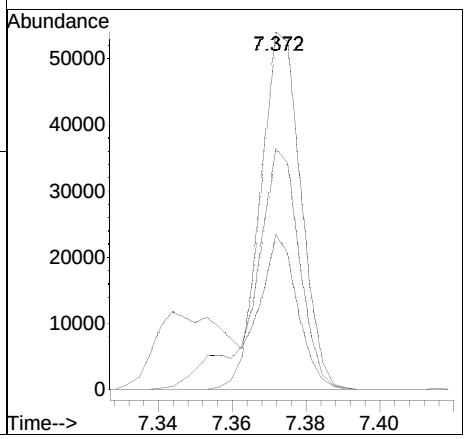


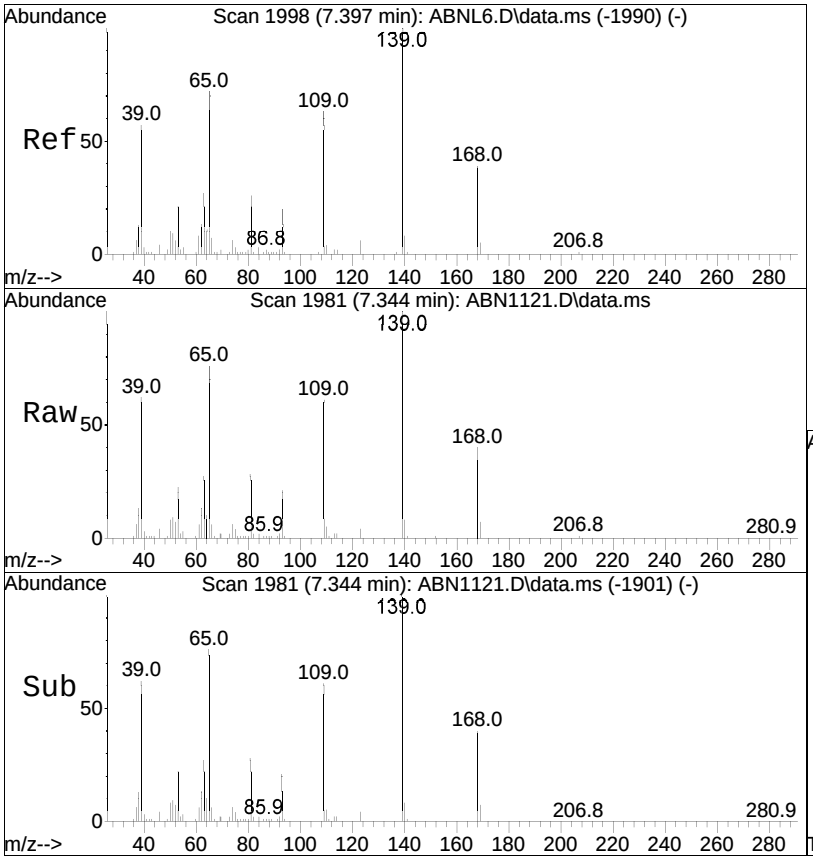


#70
2,4-Dinitrotoluene
Concen: 5.08 ug/ml
RT: 7.372 min Scan# 1990
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:165 Resp: 40888

Ion	Ratio	Lower	Upper
165	100		
89	76.2	72.0	108.0
63	39.7	52.7	79.1#

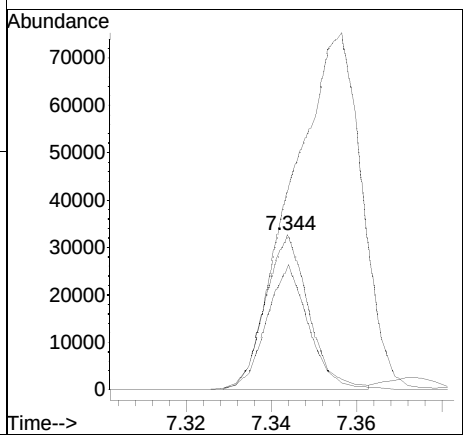


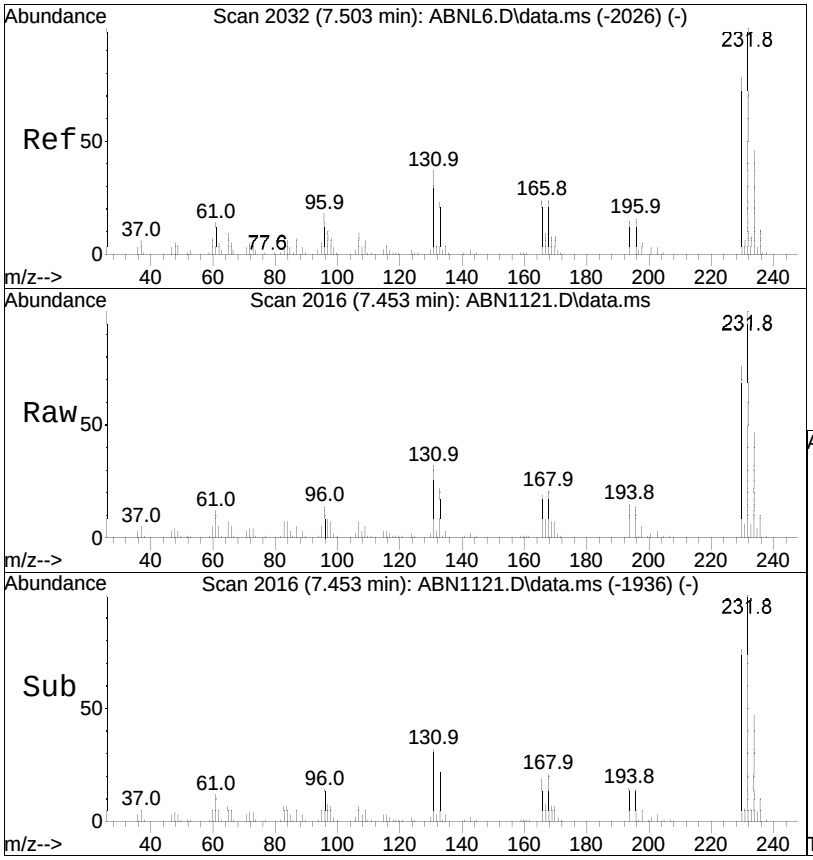


#71
4-Nitrophenol
Concen: 4.86 ug/ml
RT: 7.344 min Scan# 1981
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion: 65 Resp: 23264

Ion	Ratio	Lower	Upper
65	100		
109	77.7	47.4	71.2#
139	364.7	76.6	115.0#

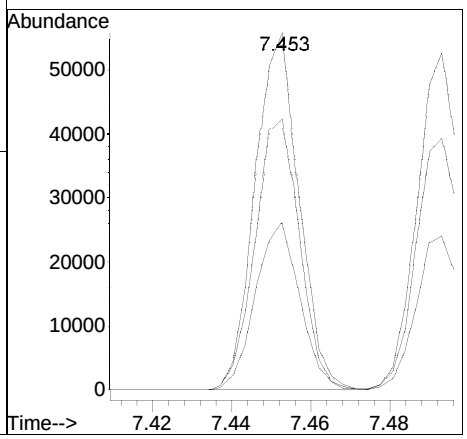


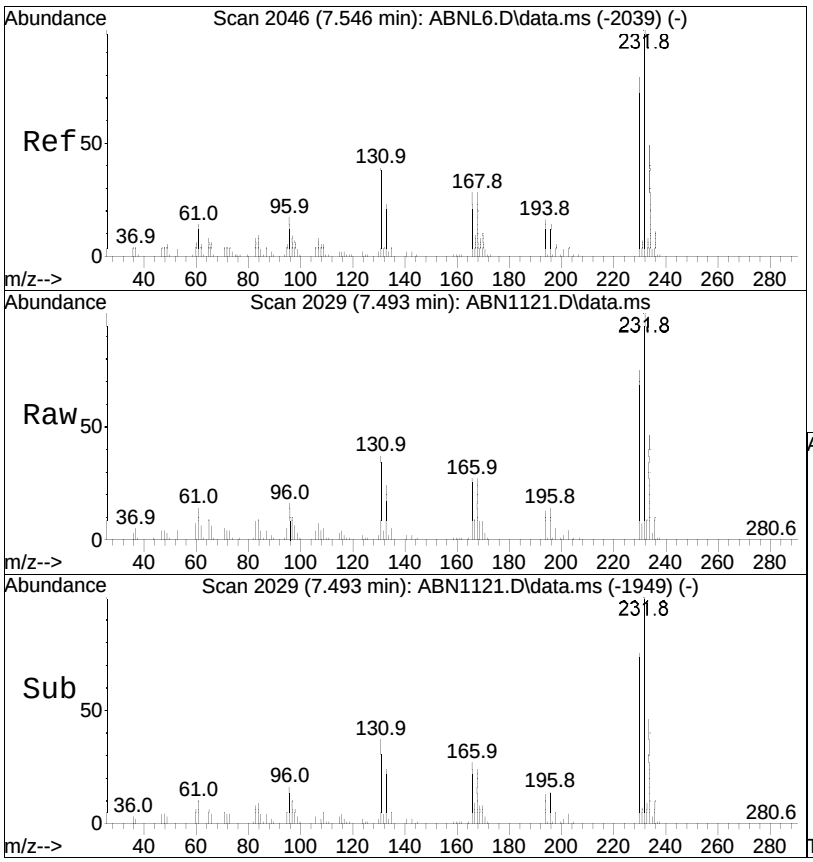


#72
2,3,5,6-Tetrachlorophenol
Concen: 4.76 ug/ml
RT: 7.453 min Scan# 2016
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:232 Resp: 43191

Ion	Ratio	Lower	Upper
232	100		
230	77.0	64.2	96.4
234	47.5	38.1	57.1

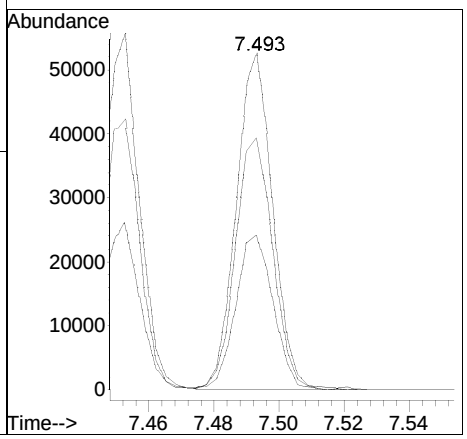


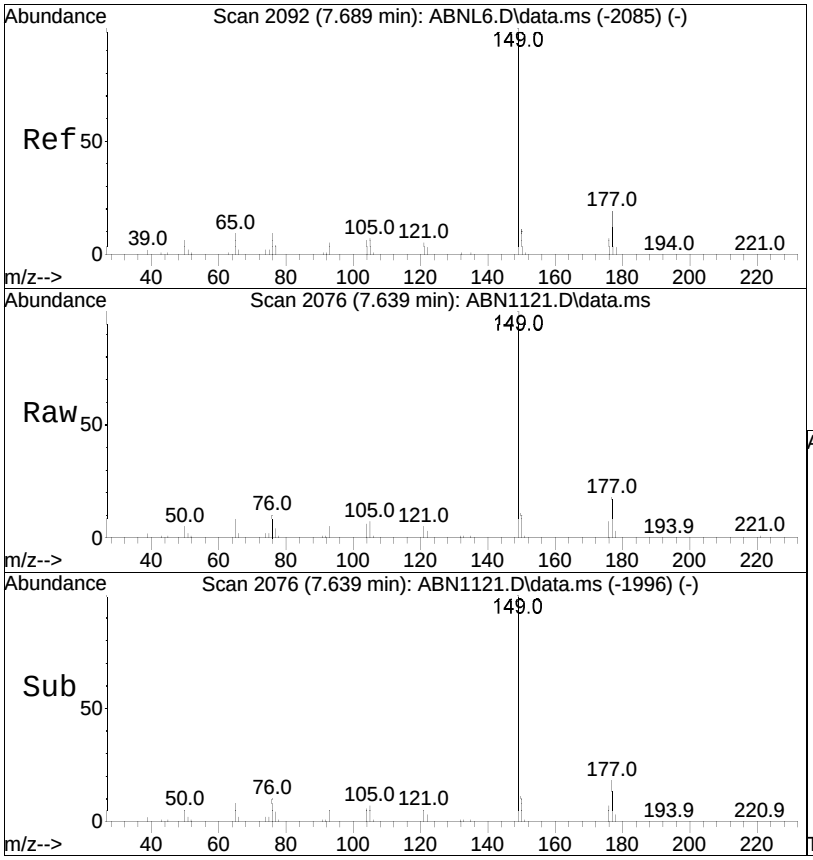


#73
2,3,4,6-Tetrachlorophenol
Concen: 4.61 ug/ml
RT: 7.493 min Scan# 2029
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:232 Resp: 41013

Ion	Ratio	Lower	Upper
232	100		
230	76.6	61.8	92.8
234	47.3	36.2	54.2

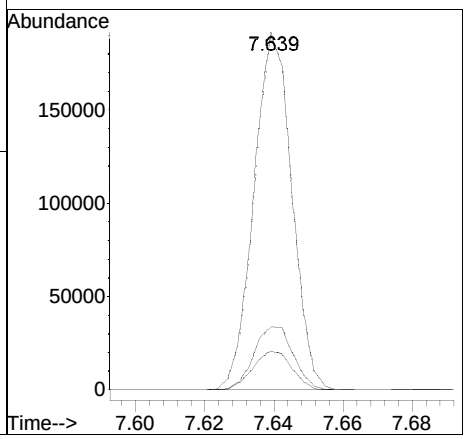


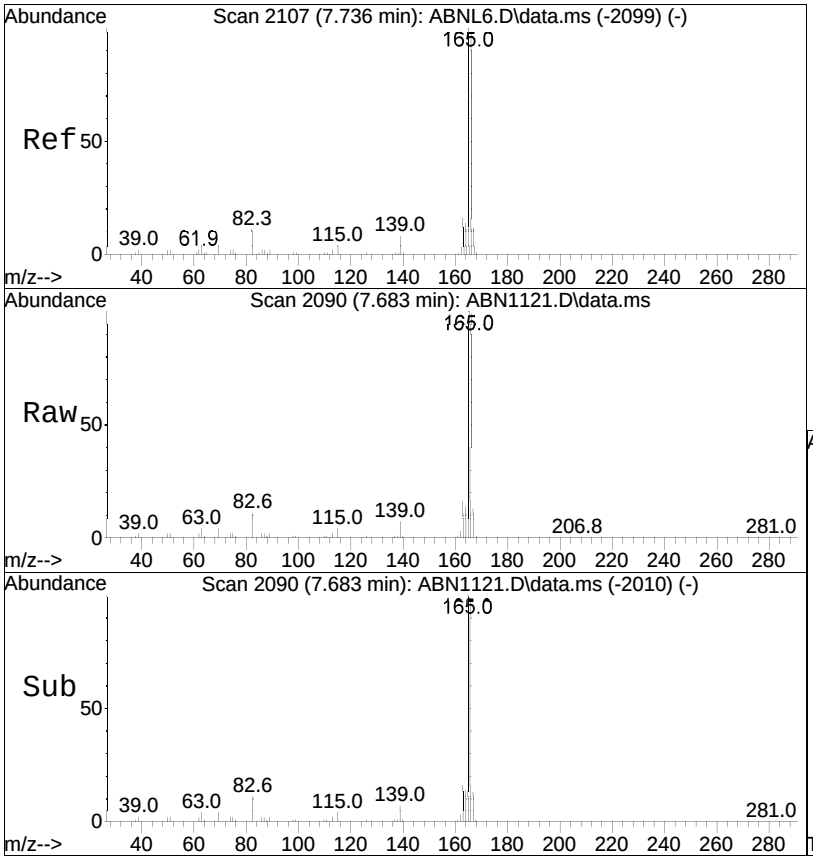


#74
Diethyl phthalate
Concen: 4.40 ug/ml
RT: 7.639 min Scan# 2076
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:149 Resp: 144200

Ion	Ratio	Lower	Upper
149	100		
177	18.6	16.1	24.1
150	11.3	9.4	14.2

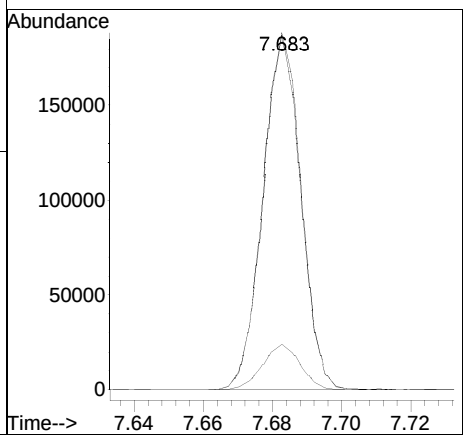


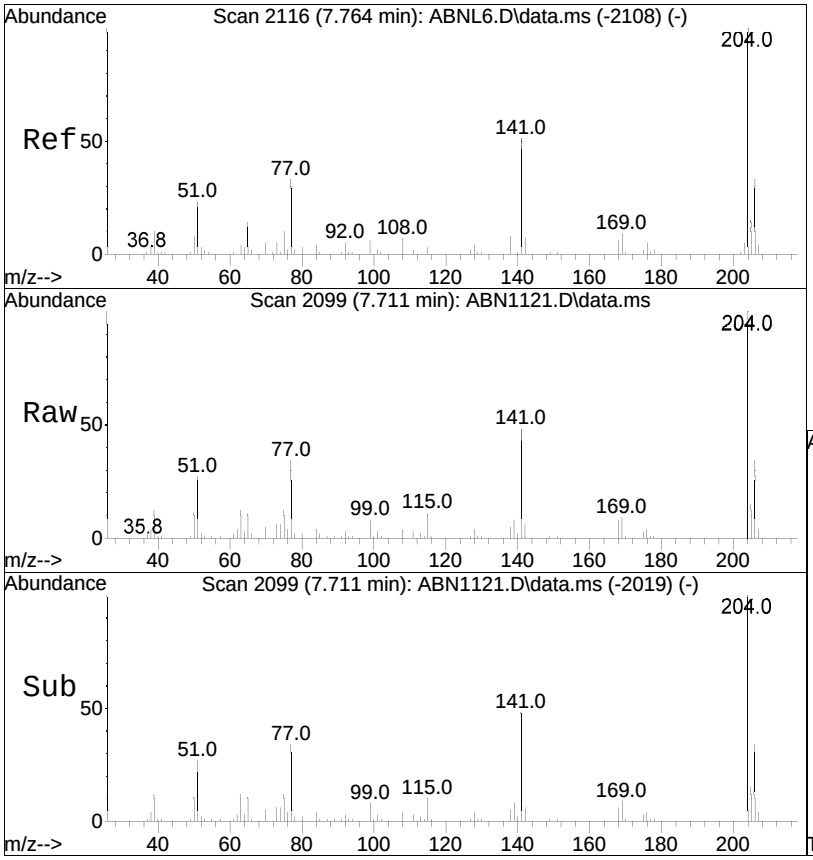


#75
Fluorene
Concen: 4.40 ug/ml
RT: 7.683 min Scan# 2090
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:166 Resp: 140757

Ion	Ratio	Lower	Upper
166	100		
165	102.6	76.2	114.2
167	13.0	10.6	15.8

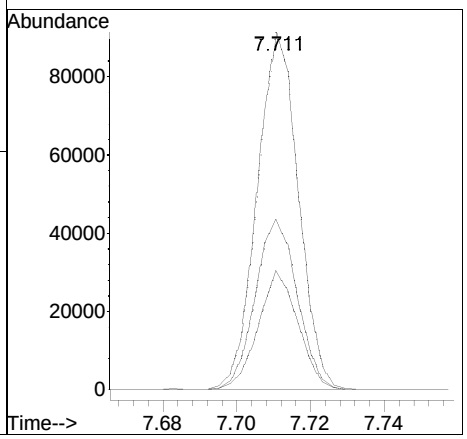


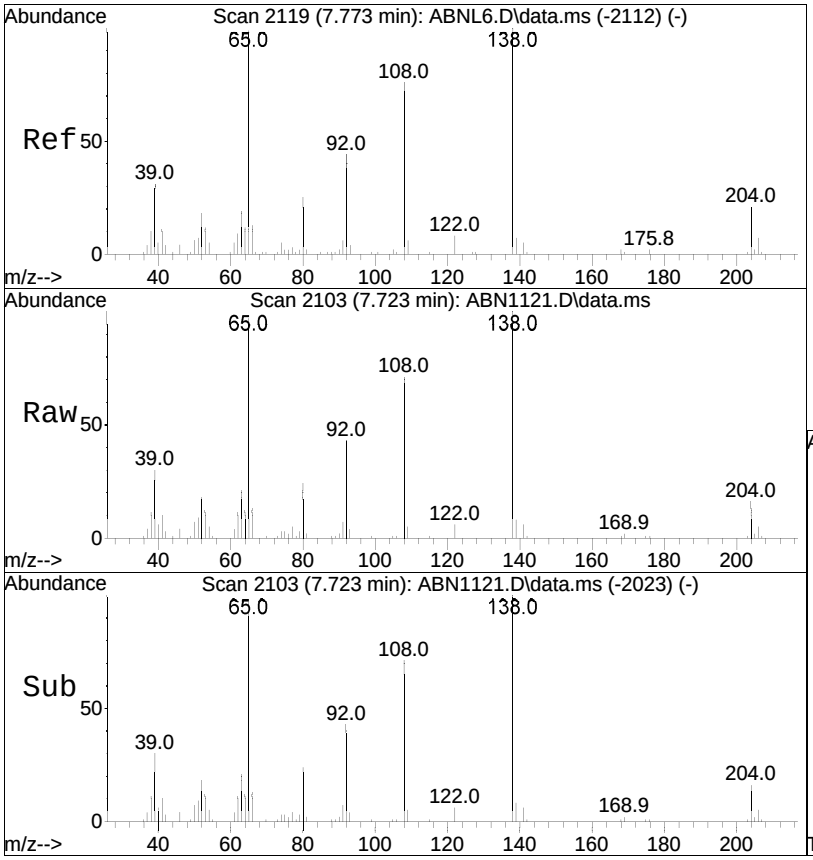


#76
4-Chlorophenyl phenyl ether
Concen: 4.26 ug/ml
RT: 7.711 min Scan# 2099
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:204 Resp: 70148

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.8	38.6
141	48.7	53.6	80.4#

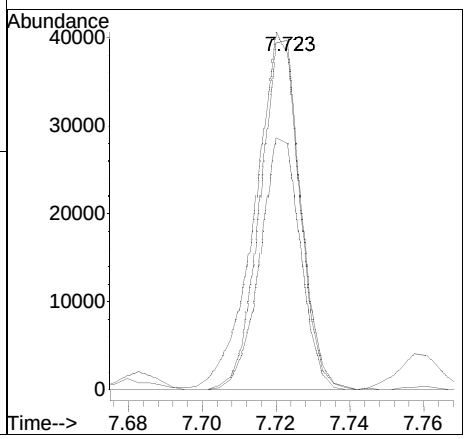


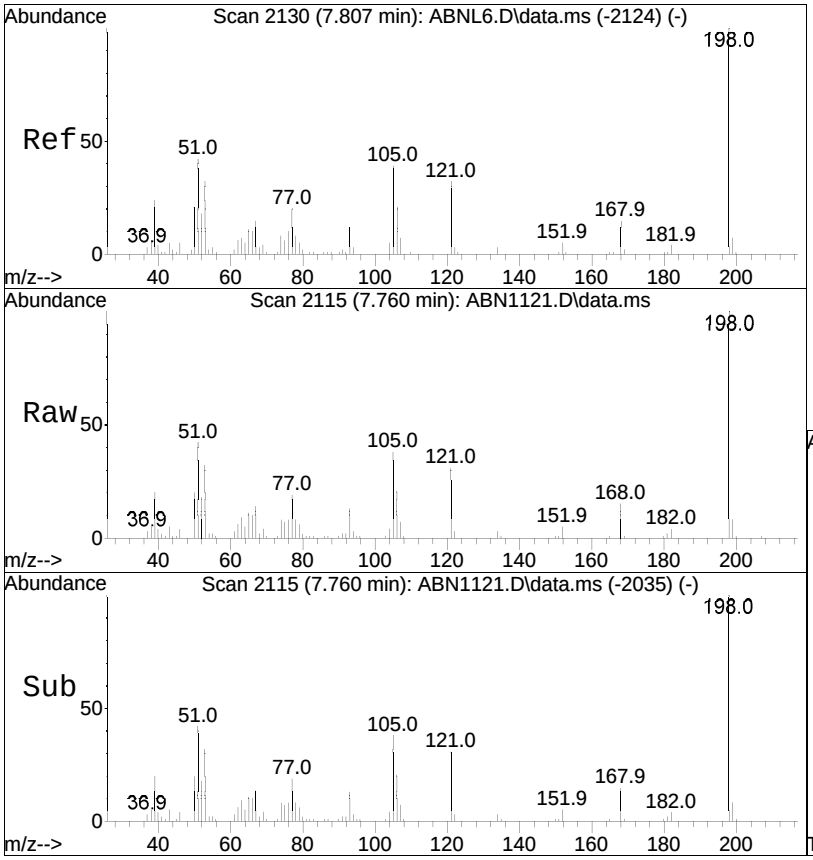


#77
4-Nitroaniline
Concen: 4.89 ug/ml
RT: 7.723 min Scan# 2103
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:138 Resp: 30367

Ion	Ratio	Lower	Upper
138	100		
108	71.4	52.1	78.1
65	111.7	115.0	172.6#

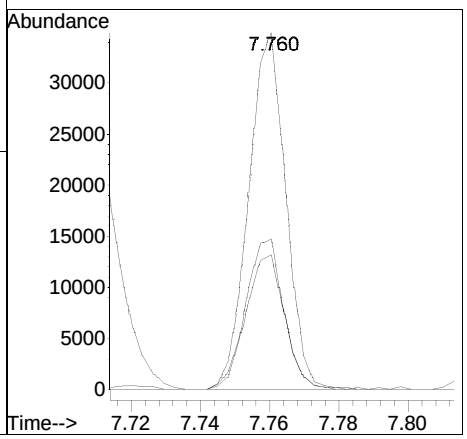


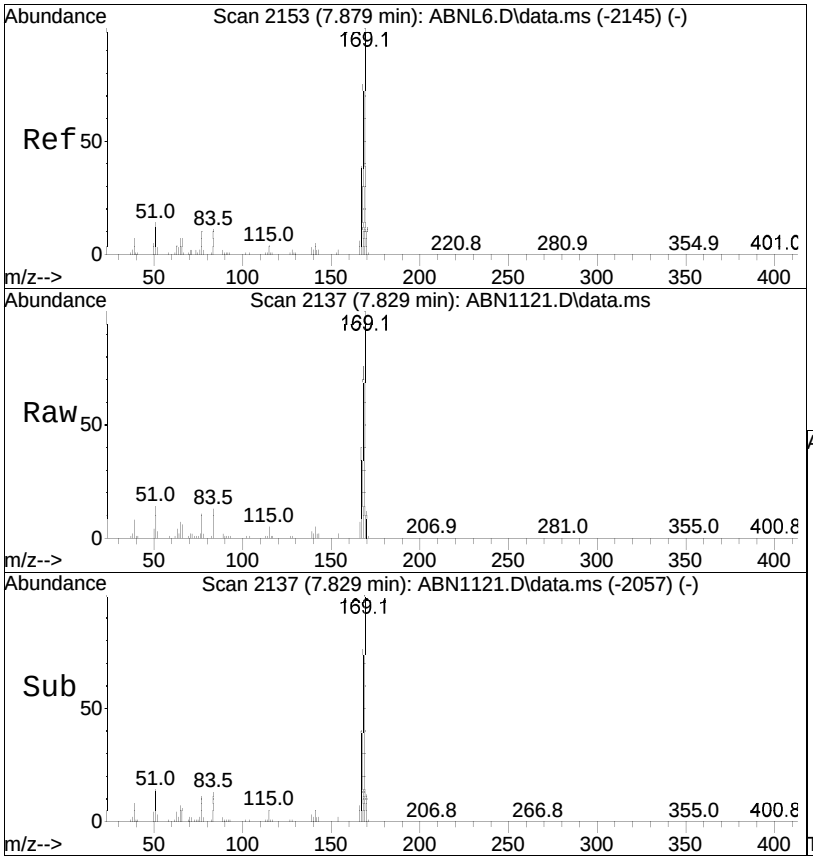


#78
4,6-Dinitro-o-cresol
Concen: 5.34 ug/ml
RT: 7.760 min Scan# 2115
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:198 Resp: 25992

Ion	Ratio	Lower	Upper
198	100		
51	43.9	76.0	114.0#
105	39.5	45.6	68.4#

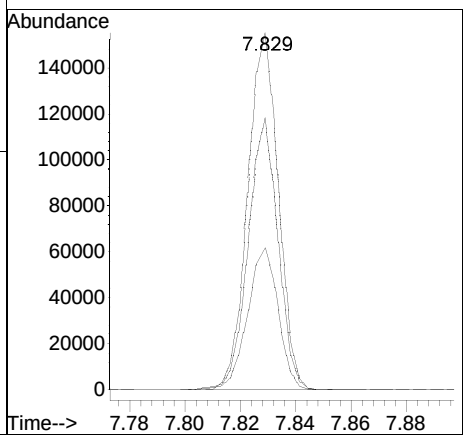


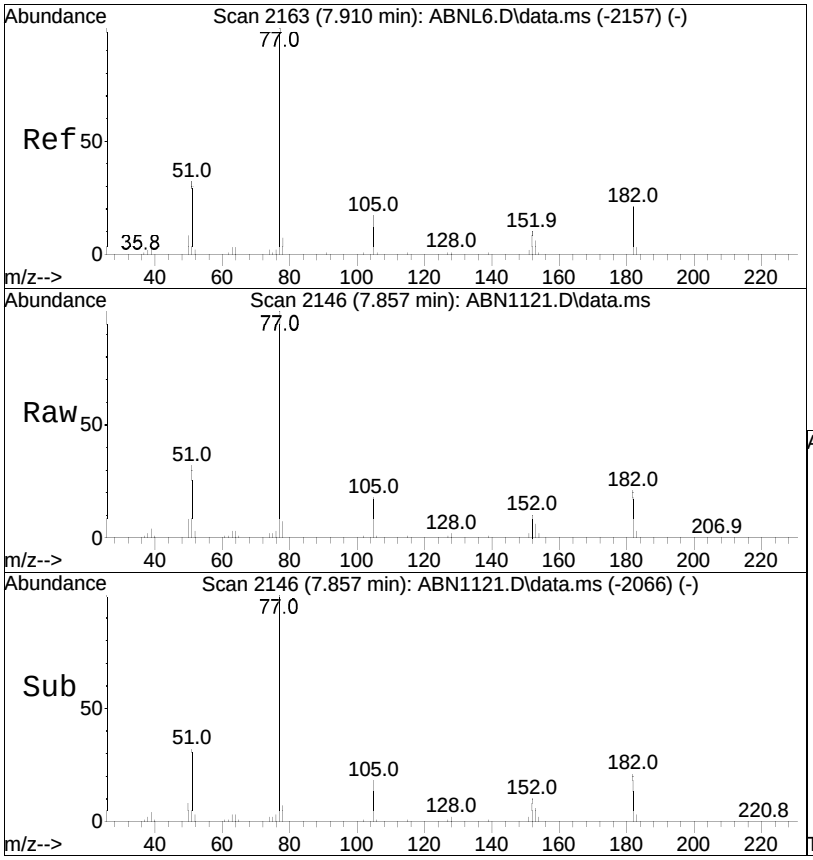


#79
NDPA/DPA
Concen: 4.29 ug/ml
RT: 7.829 min Scan# 2137
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:169 Resp: 119213

Ion	Ratio	Lower	Upper
169	100		
168	74.1	54.0	81.0
167	40.0	28.6	42.8

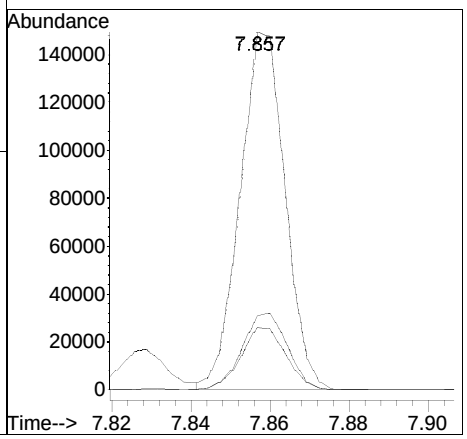


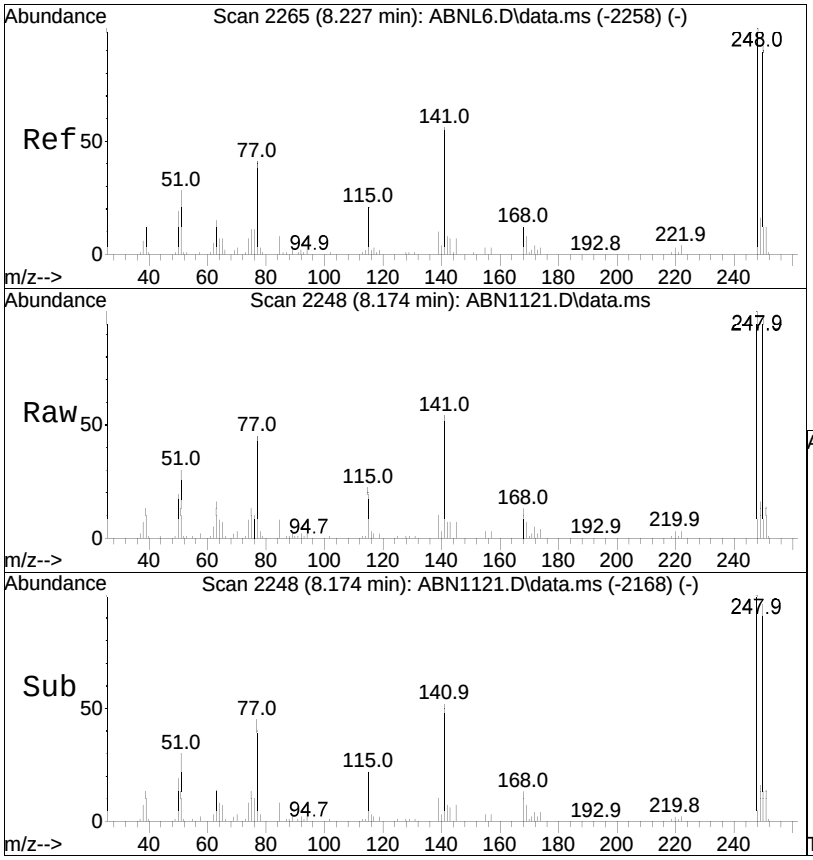


#80
Azobenzene
Concen: 4.39 ug/ml
RT: 7.857 min Scan# 2146
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion: 77 Resp: 117092

Ion	Ratio	Lower	Upper
77	100		
182	21.8	17.4	26.2
105	17.7	15.4	23.2

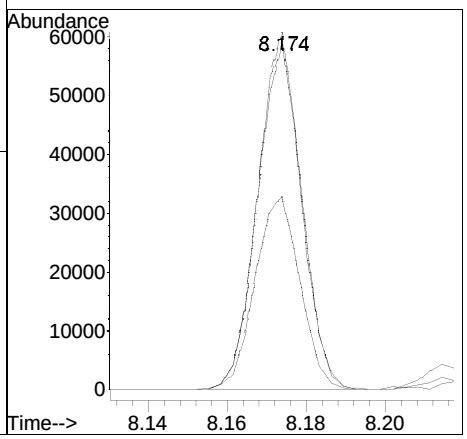


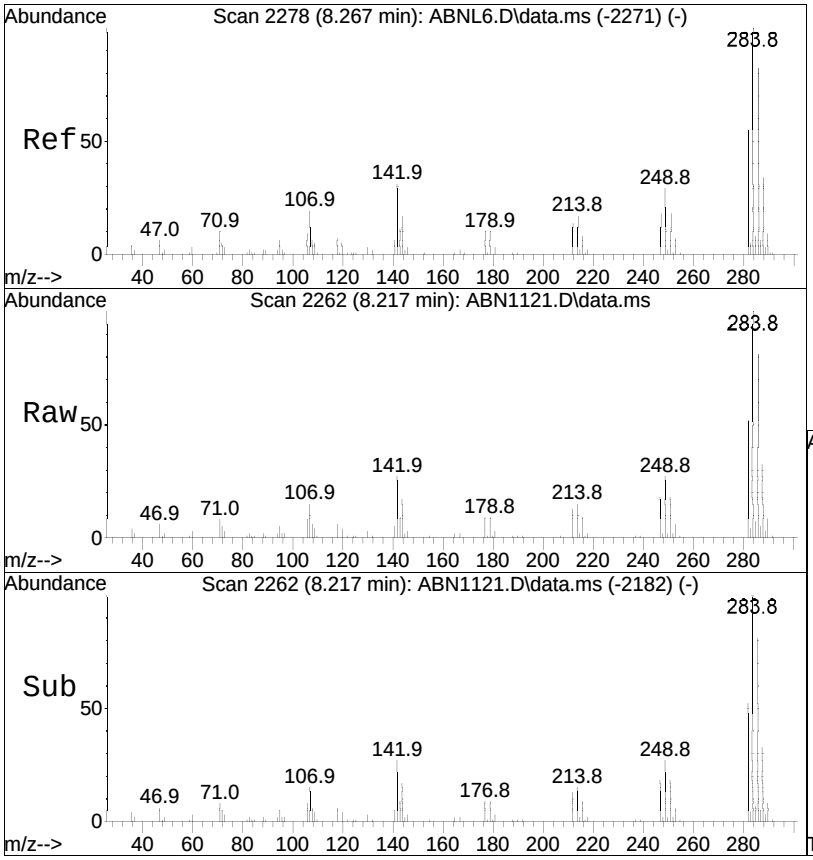


#82
4-Bromophenyl phenyl ether
Concen: 4.24 ug/ml
RT: 8.174 min Scan# 2248
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:248 Resp: 45968

Ion	Ratio	Lower	Upper
248	100		
141	56.1	76.6	114.8#
250	97.4	77.3	115.9

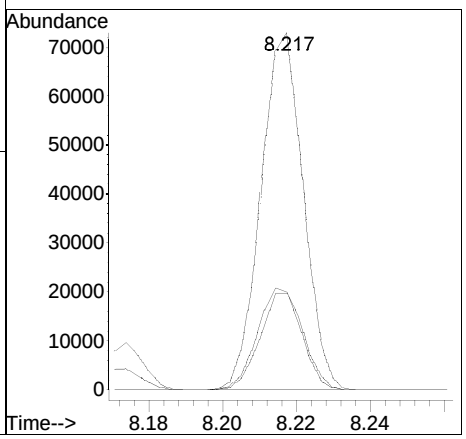


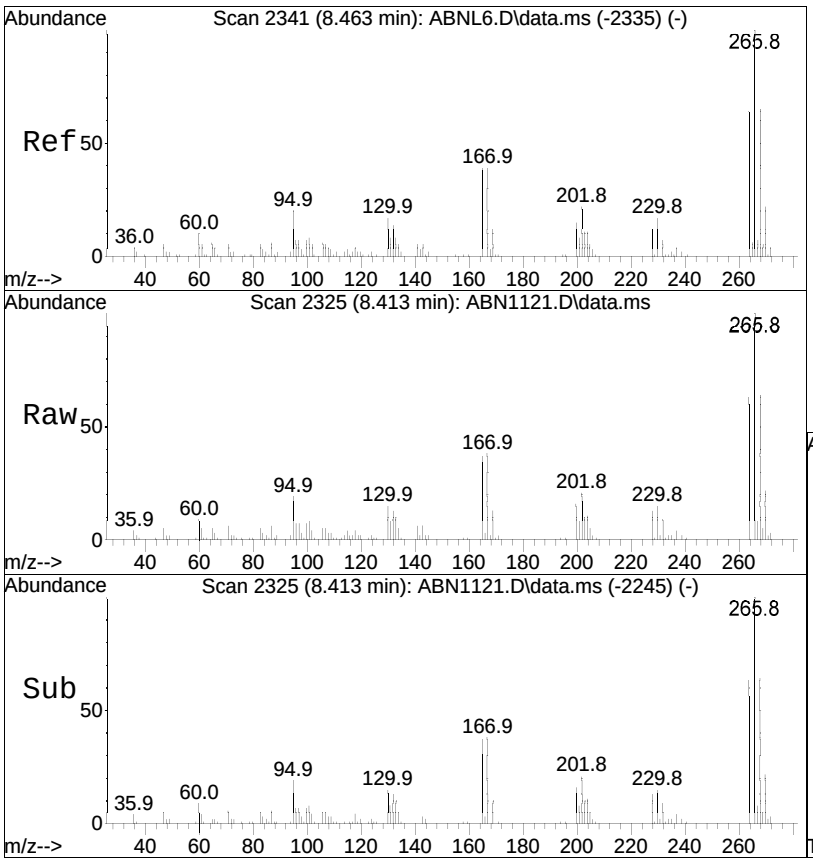


#83
Hexachlorobenzene
Concen: 4.25 ug/ml
RT: 8.217 min Scan# 2262
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:284 Resp: 57986

Ion	Ratio	Lower	Upper
284	100		
142	29.3	41.9	62.9#
249	28.1	24.1	36.1

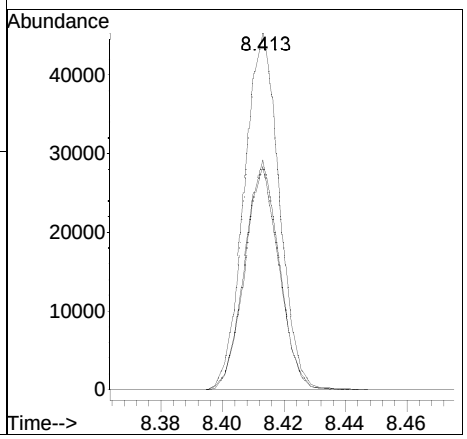


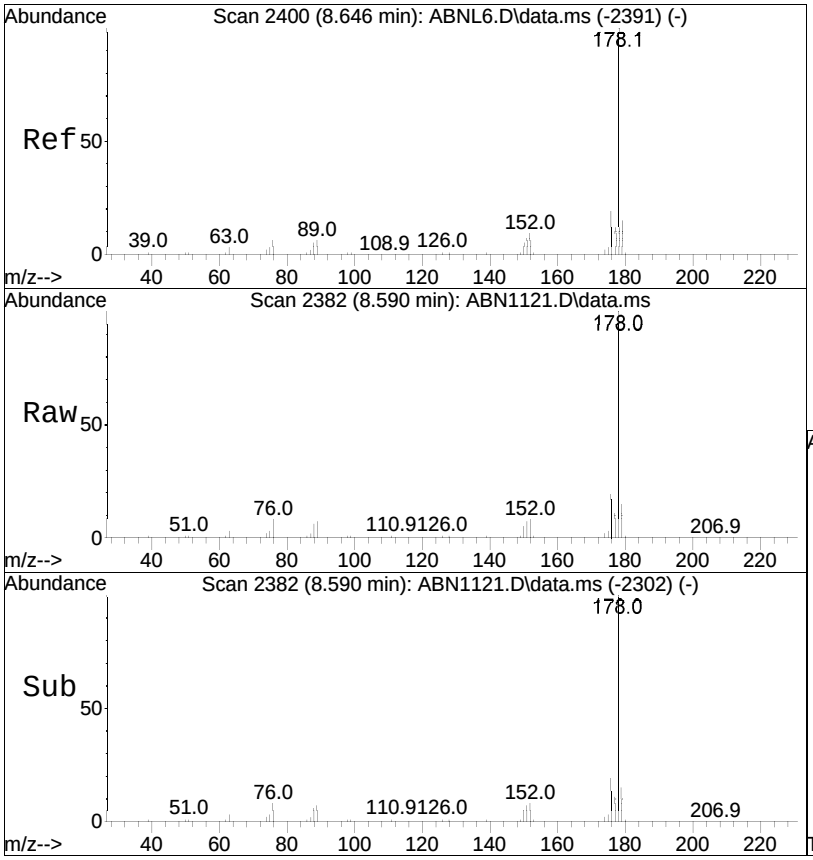


#84
Pentachlorophenol
Concen: 4.87 ug/ml
RT: 8.413 min Scan# 2325
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:266 Resp: 36024

Ion	Ratio	Lower	Upper
266	100		
264	61.0	49.7	74.5
268	63.6	50.5	75.7

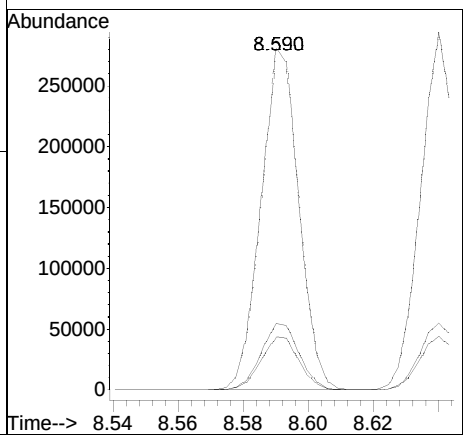


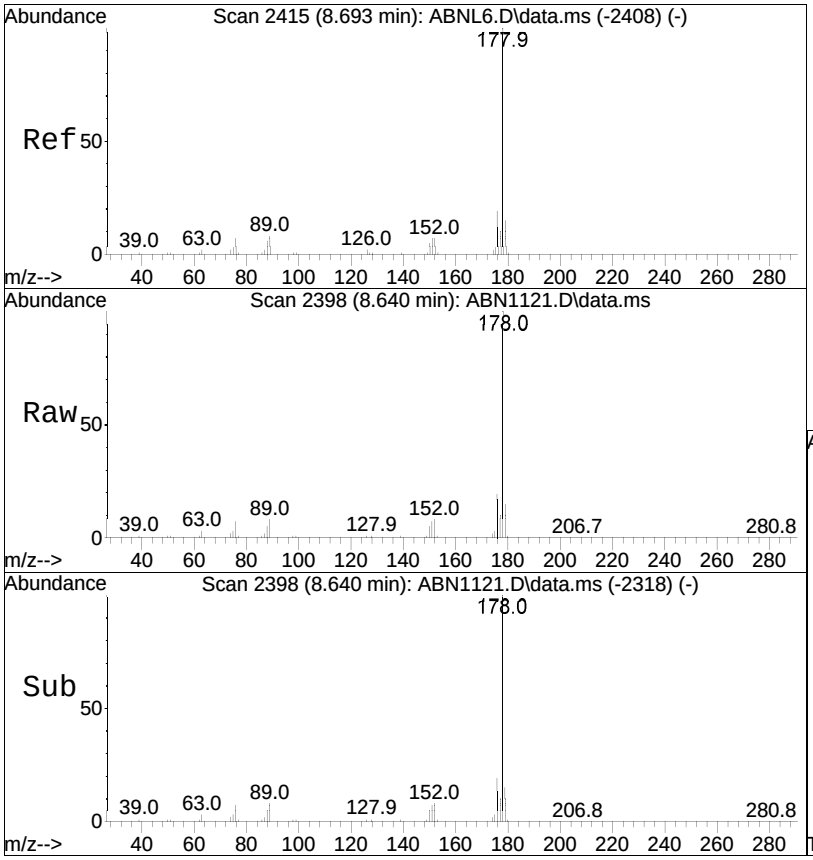


#91
Phenanthrene
Concen: 4.43 ug/ml
RT: 8.590 min Scan# 2382
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:178 Resp: 226254

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	19.6	15.4	23.2

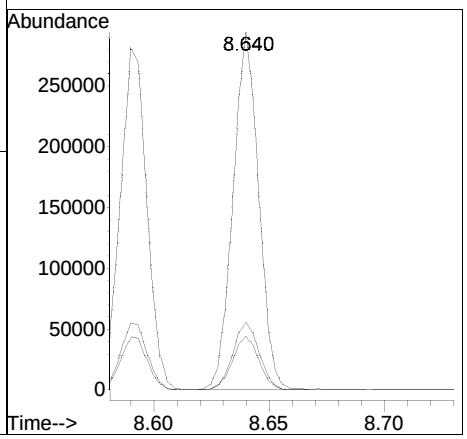


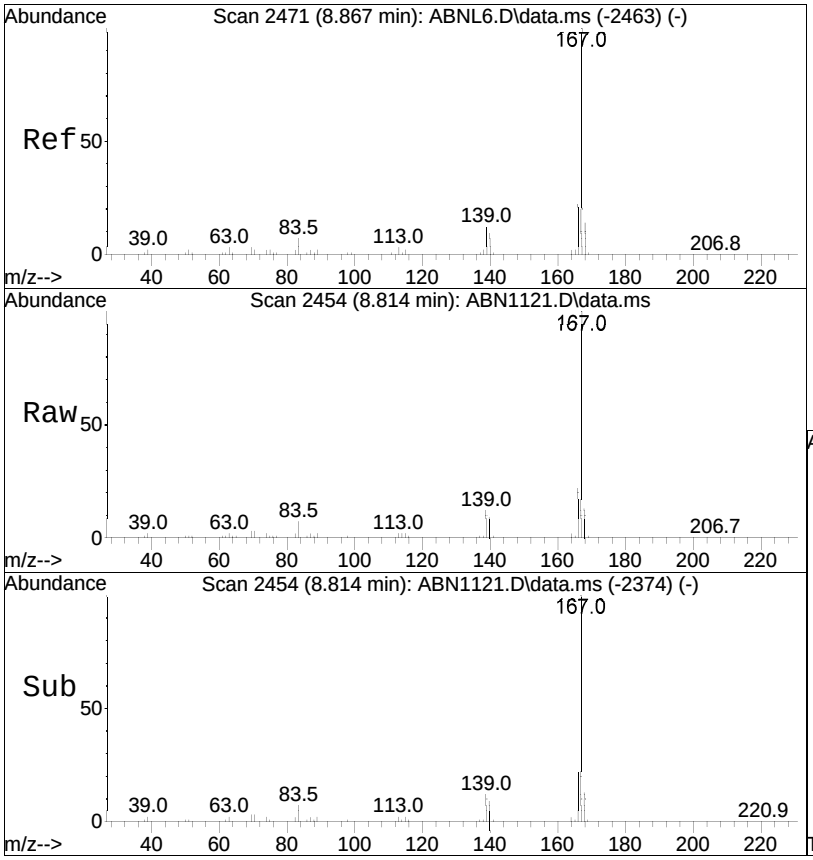


#92
Anthracene
Concen: 4.55 ug/ml
RT: 8.640 min Scan# 2398
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:178 Resp: 227809

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.0	18.0
176	19.3	14.6	22.0

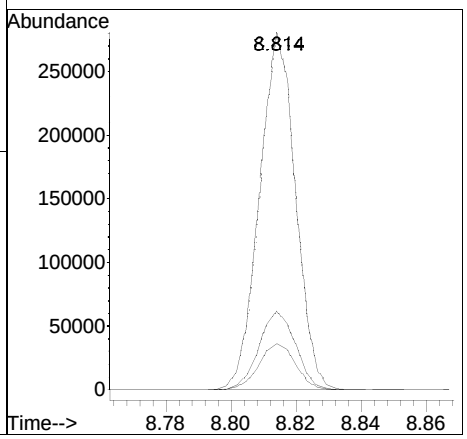


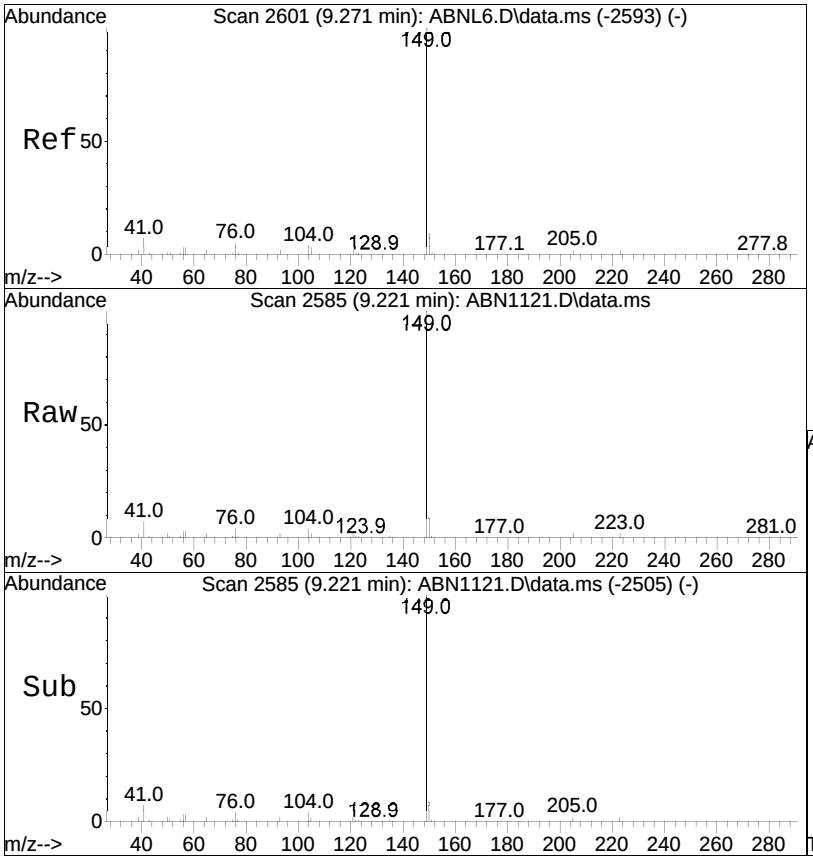


#93
Carbazole
Concen: 4.65 ug/ml
RT: 8.814 min Scan# 2454
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:167 Resp: 213632

Ion	Ratio	Lower	Upper
167	100		
168	13.3	10.6	15.8
166	22.5	17.4	26.0

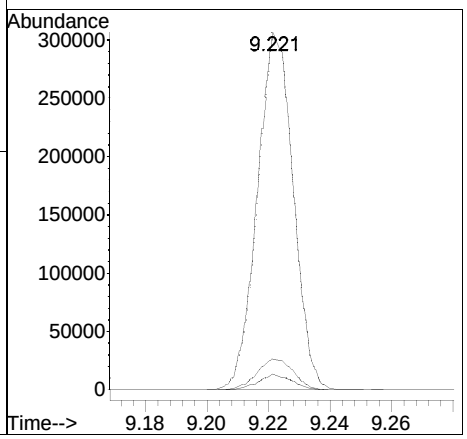


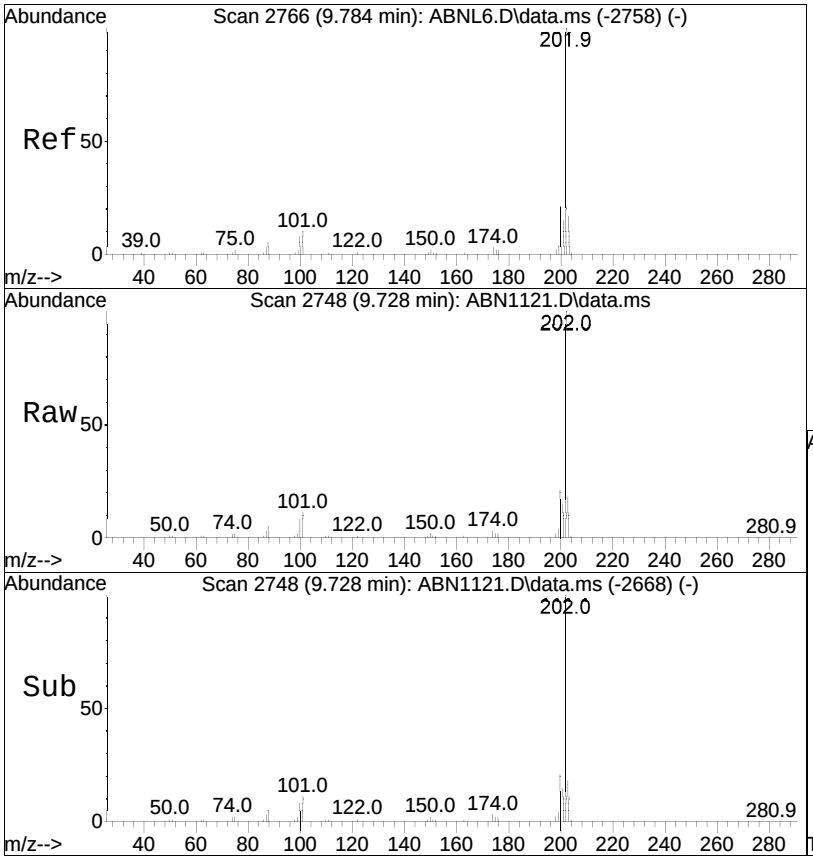


#94
Di-n-butylphthalate
Concen: 4.70 ug/ml
RT: 9.221 min Scan# 2585
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:149 Resp: 244932

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.2	4.5	6.7#

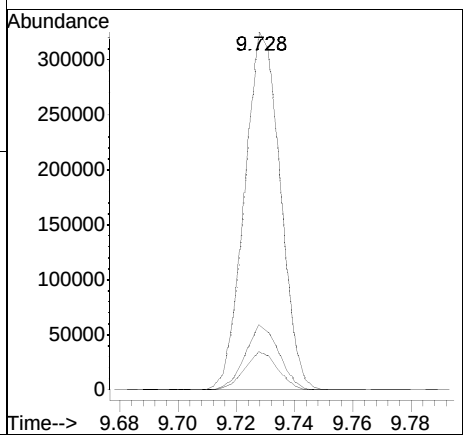


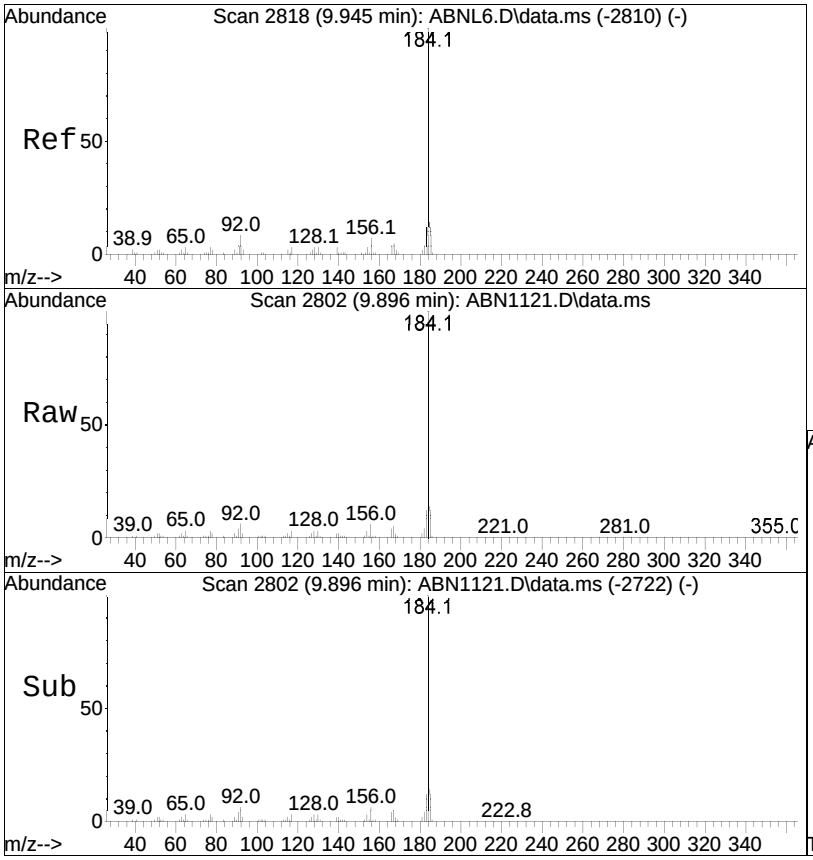


#95
Fluoranthene
Concen: 4.49 ug/ml
RT: 9.728 min Scan# 2748
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:202 Resp: 275464

Ion	Ratio	Lower	Upper
202	100		
101	10.1	13.5	20.3#
203	17.4	13.6	20.4

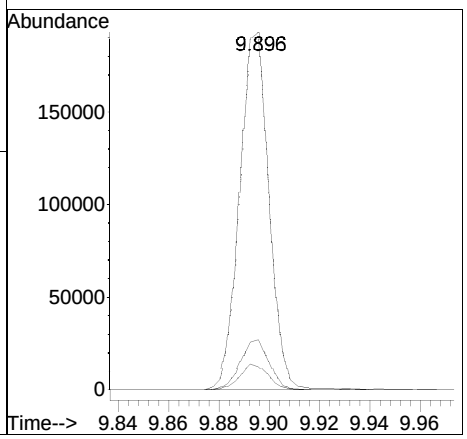


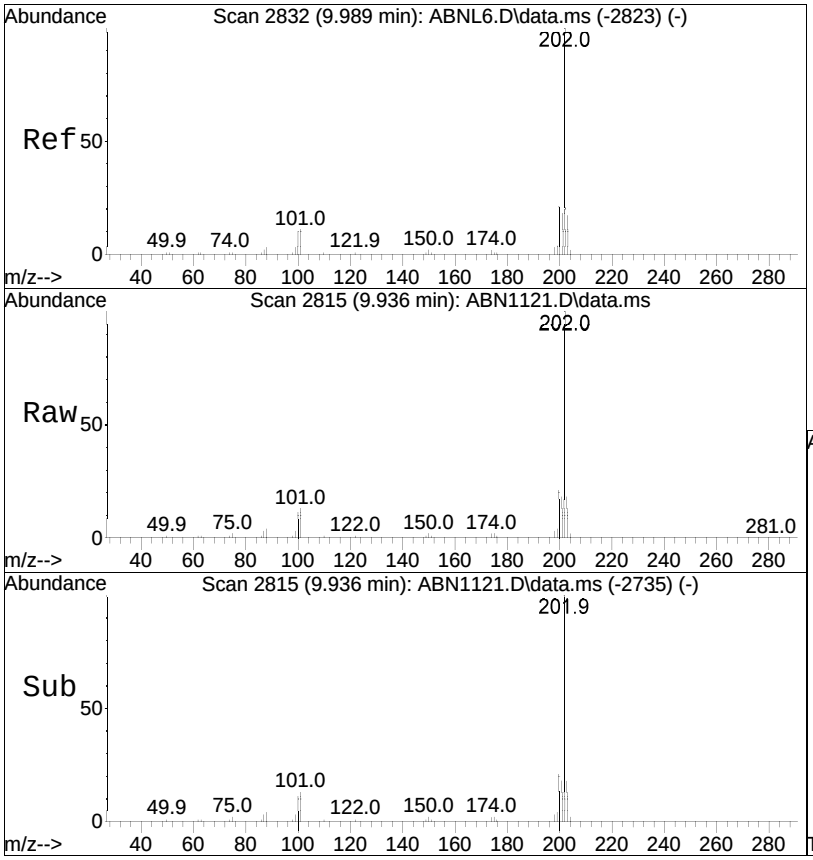


#96
Benzidine
Concen: 4.65 ug/ml
RT: 9.896 min Scan# 2802
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:184 Resp: 154782

Ion	Ratio	Lower	Upper
184	100		
92	7.0	9.1	13.7#
185	13.8	11.1	16.7

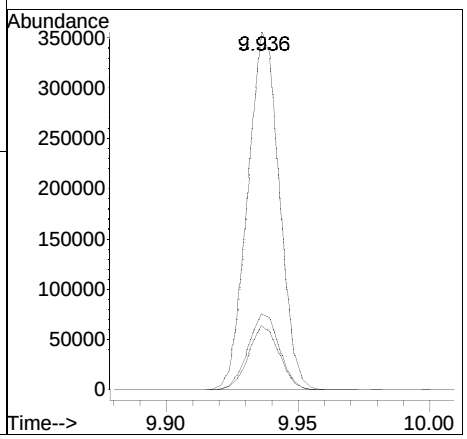


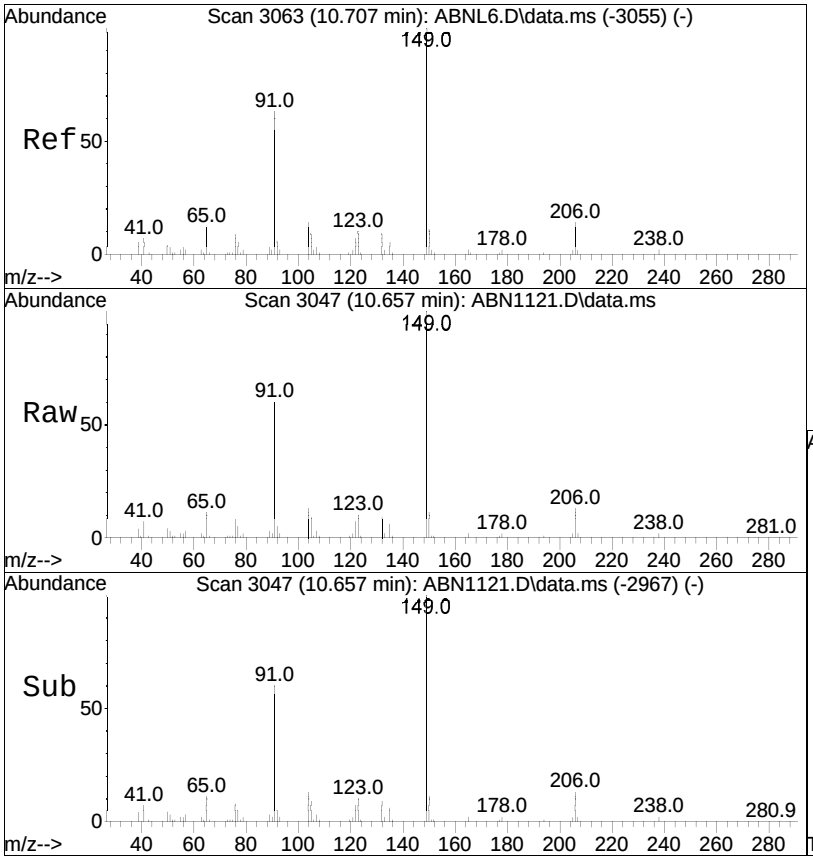


#97
Pyrene
Concen: 4.50 ug/ml
RT: 9.936 min Scan# 2815
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:202 Resp: 295209

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.7	14.2	21.4

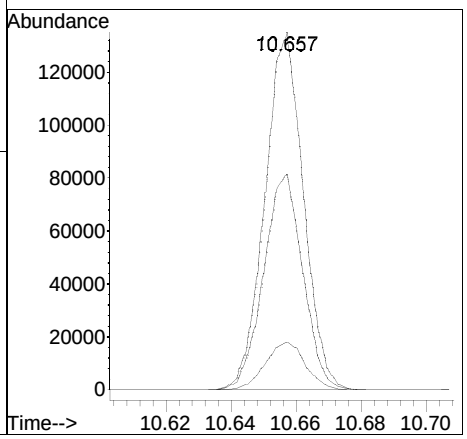


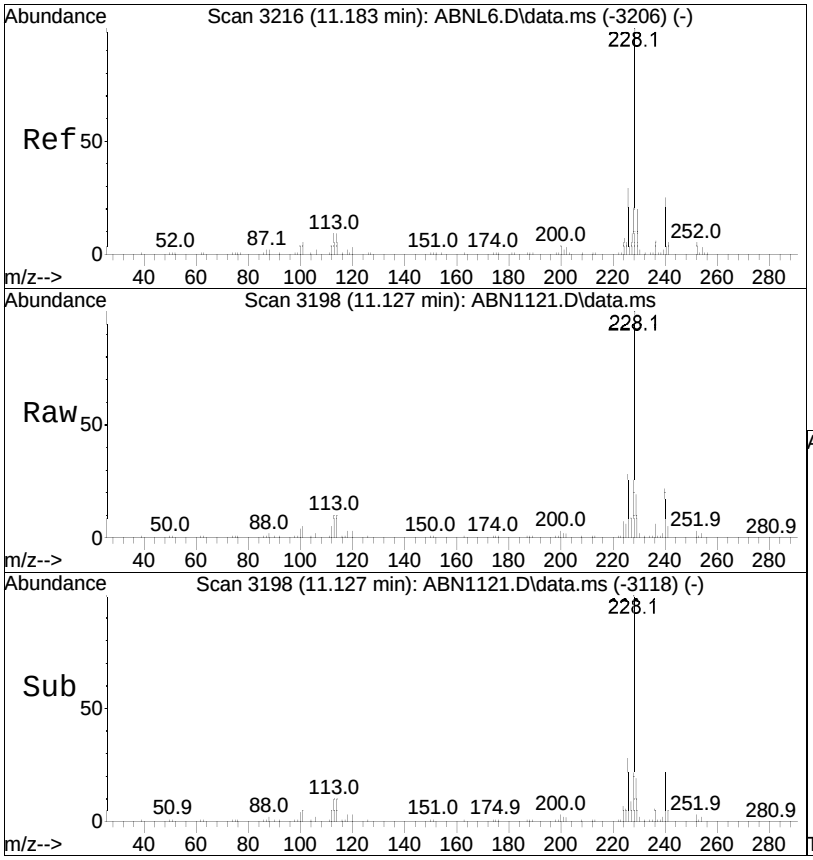


#99
Butyl benzyl phthalate
Concen: 4.92 ug/ml
RT: 10.657 min Scan# 3047
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:149 Resp: 109666

Ion	Ratio	Lower	Upper
149	100		
91	61.4	63.3	94.9#
206	14.0	13.9	20.9

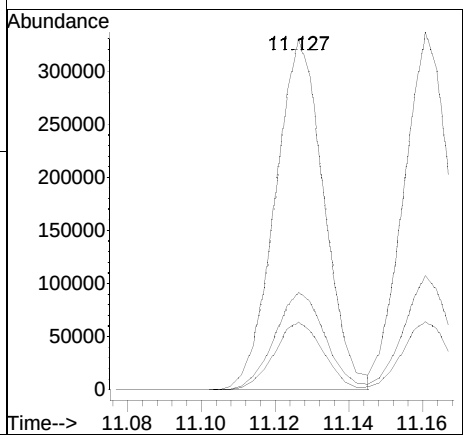


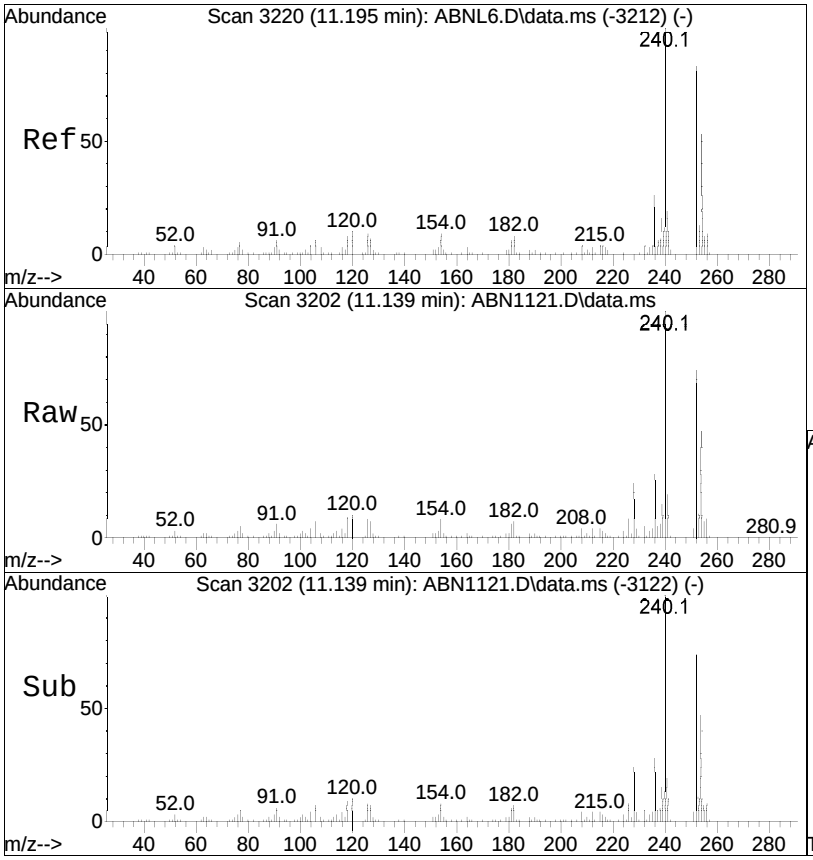


#107
Benzo(a)anthracene
Concen: 4.48 ug/ml
RT: 11.127 min Scan# 3198
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:228 Resp: 303896

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.2	33.4
229	19.4	15.6	23.4

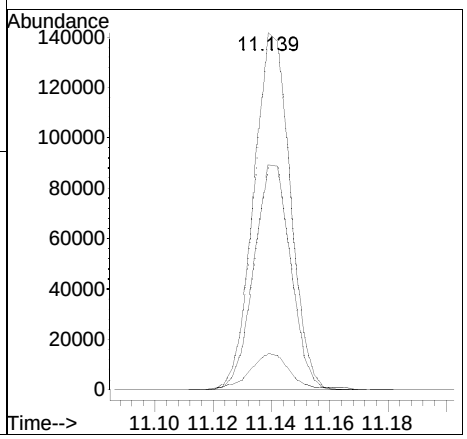


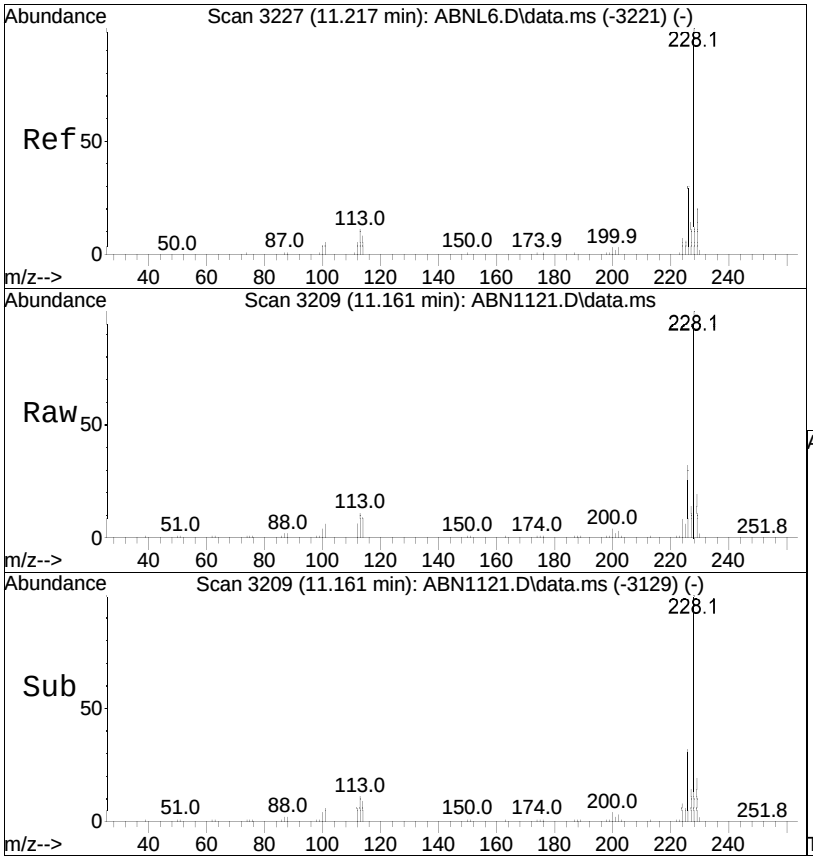


#108
3,3'-Dichlorobenzidine
Concen: 4.86 ug/ml
RT: 11.139 min Scan# 3202
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:252 Resp: 123024

Ion	Ratio	Lower	Upper
252	100		
126	11.9	14.5	21.7#
254	63.7	51.2	76.8

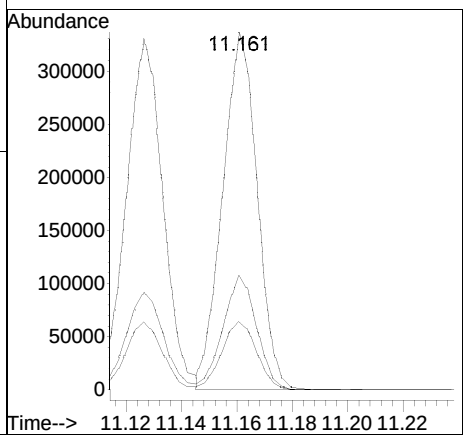


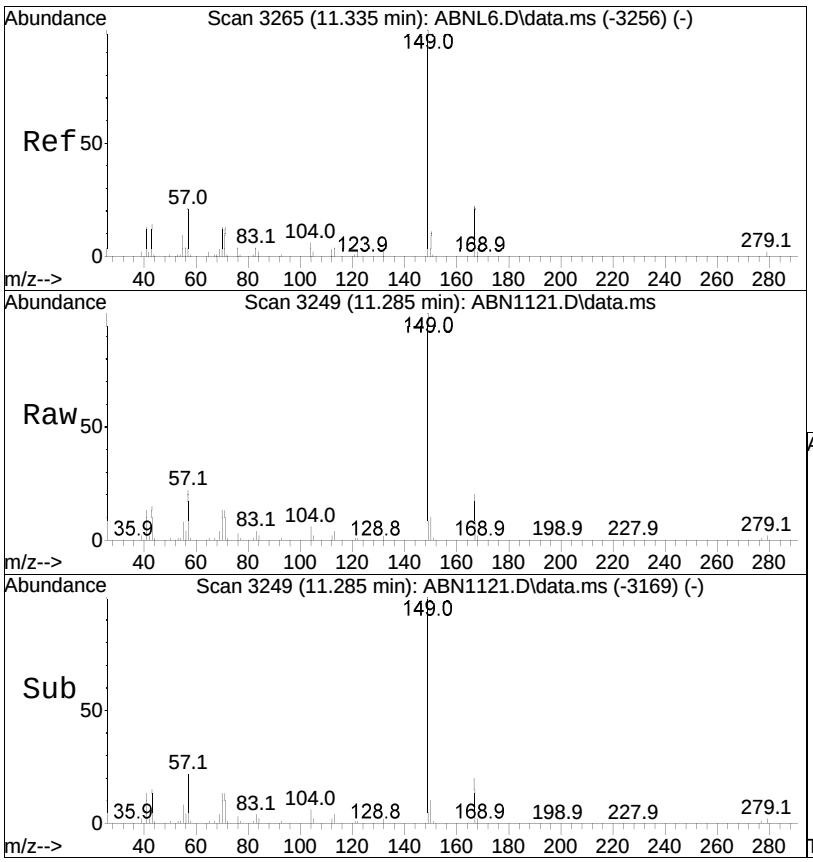


#109
Chrysene
Concen: 4.30 ug/ml
RT: 11.161 min Scan# 3209
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:228 Resp: 290613

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.0	36.0
229	19.6	15.8	23.8

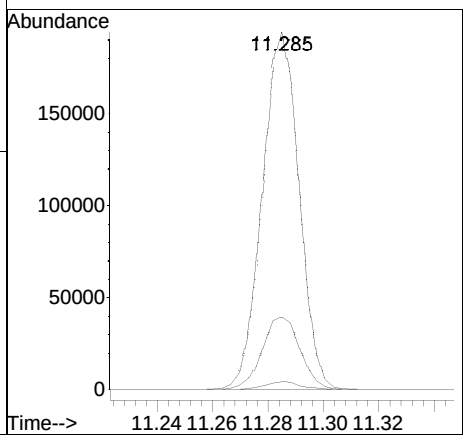


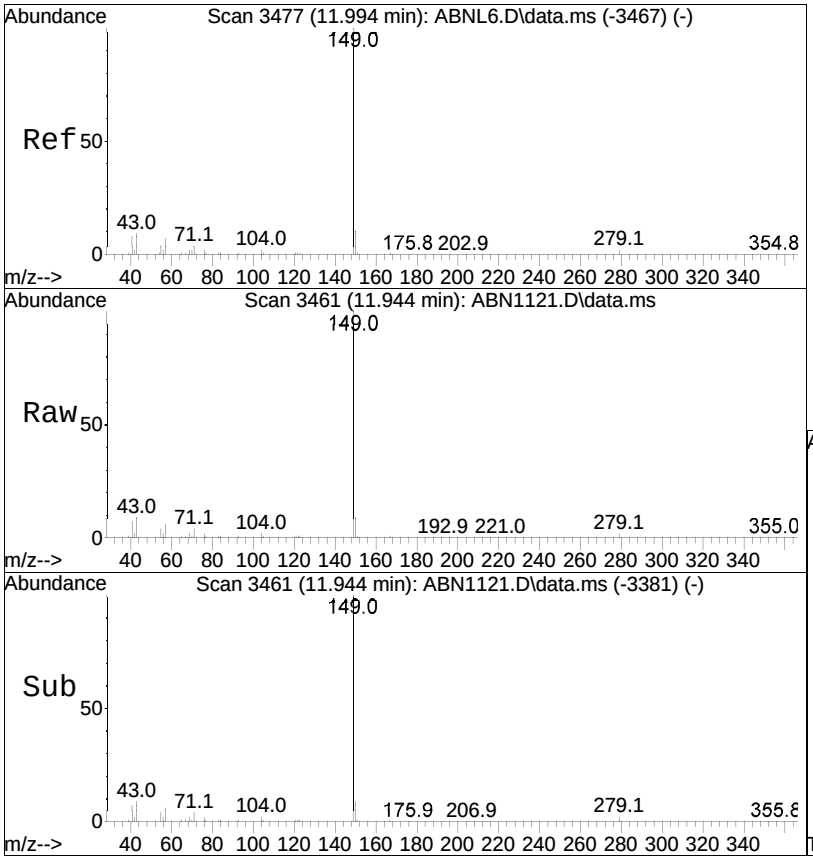


#110
Bis(2-ethylhexyl)phthalate
Concen: 4.87 ug/ml
RT: 11.285 min Scan# 3249
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:149 Resp: 177233

Ion	Ratio	Lower	Upper
149	100		
167	21.0	22.1	33.1#
279	1.9	3.0	4.4#

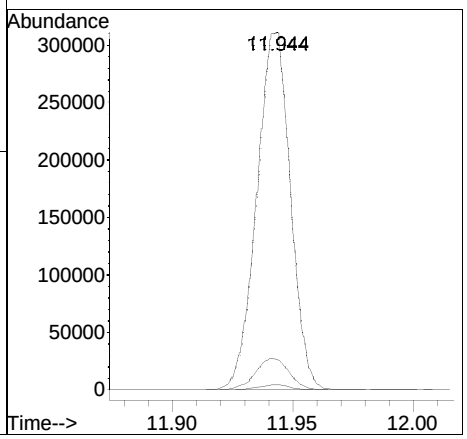


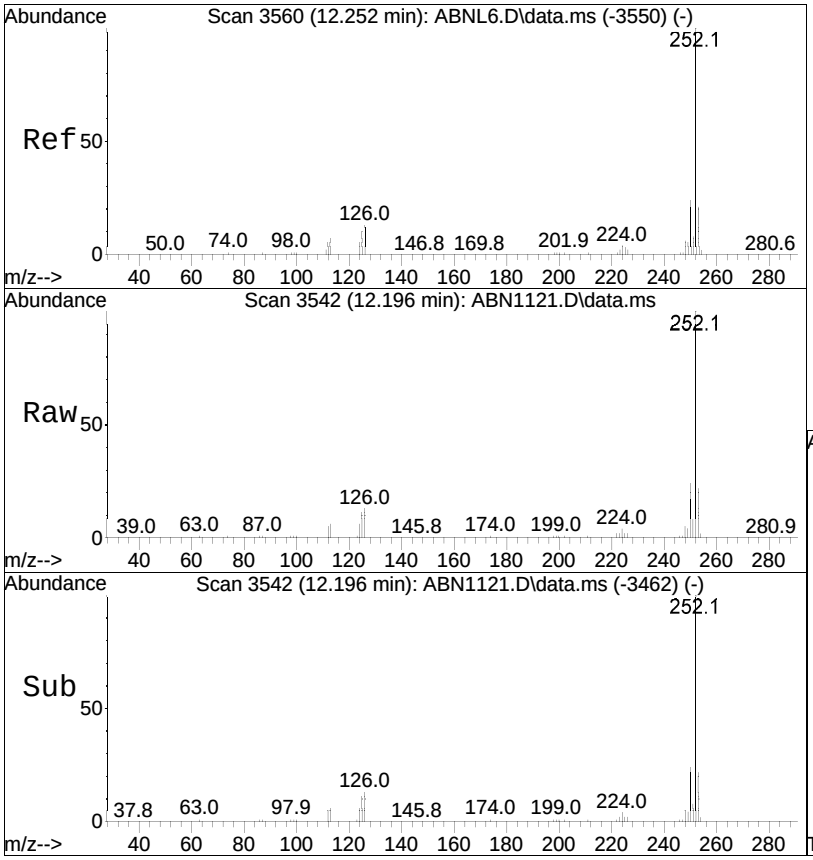


#111
Di-n-octylphthalate
Concen: 4.92 ug/ml
RT: 11.944 min Scan# 3461
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:149 Resp: 298337

Ion	Ratio	Lower	Upper
149	100		
43	8.9	18.8	28.2#
167	1.2	1.3	1.9#

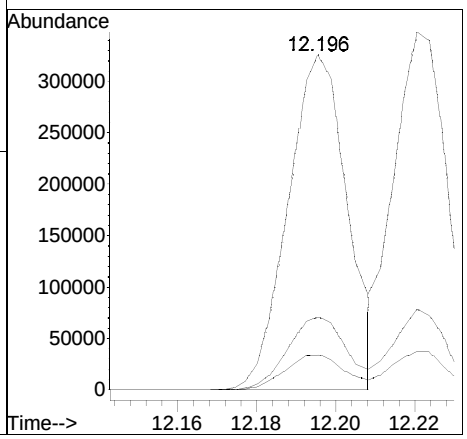


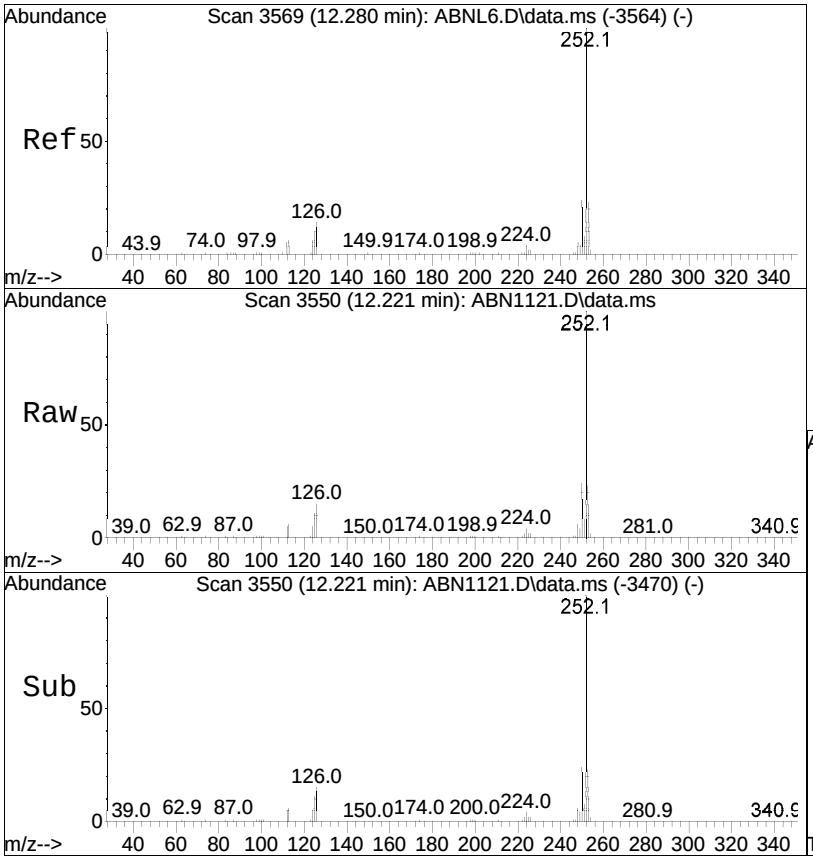


#112
Benzo(b)fluoranthene
Concen: 4.78 ug/ml
RT: 12.196 min Scan# 3542
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:252 Resp: 339735

Ion	Ratio	Lower	Upper
252	100		
125	10.8	13.3	19.9#
253	21.8	17.1	25.7

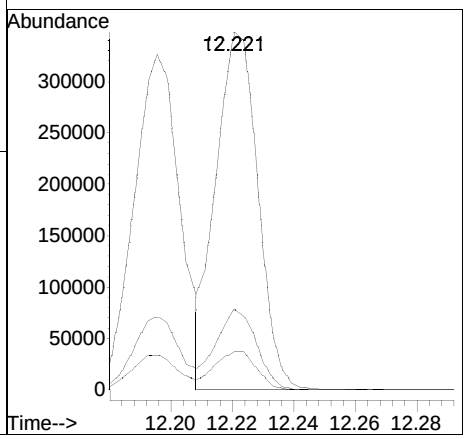


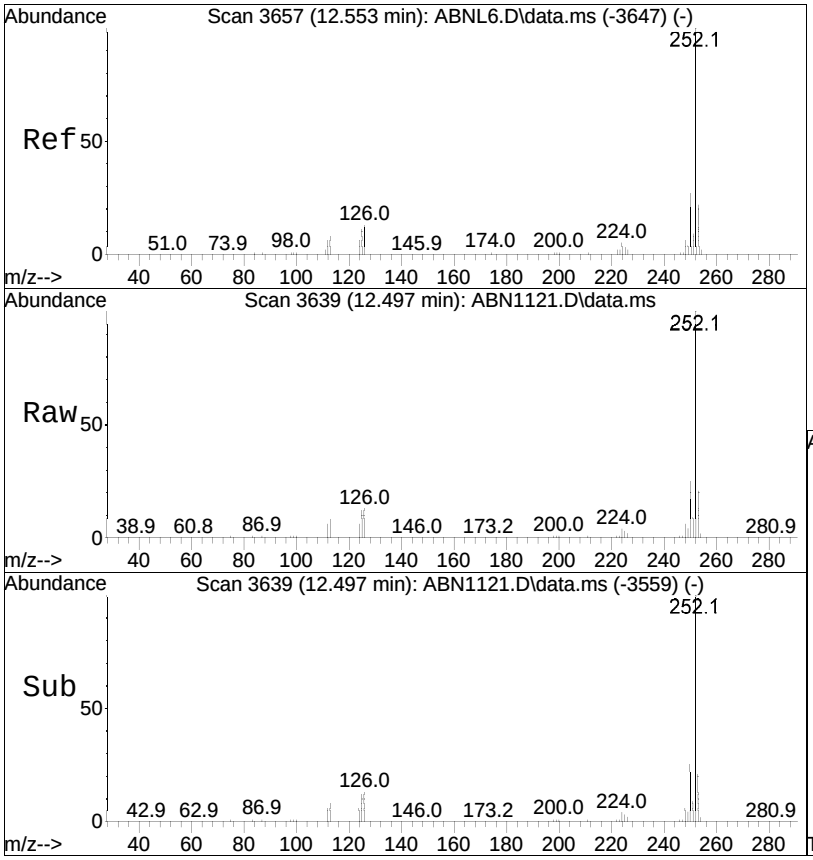


#113
Benzo(k)fluoranthene
Concen: 4.77 ug/ml
RT: 12.221 min Scan# 3550
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:252 Resp: 330276

Ion	Ratio	Lower	Upper
252	100		
125	10.8	13.0	19.6#
253	21.7	16.8	25.2

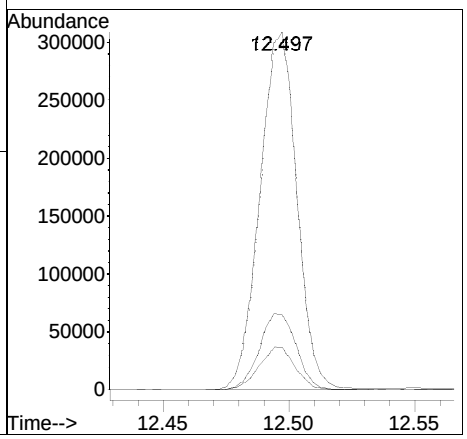


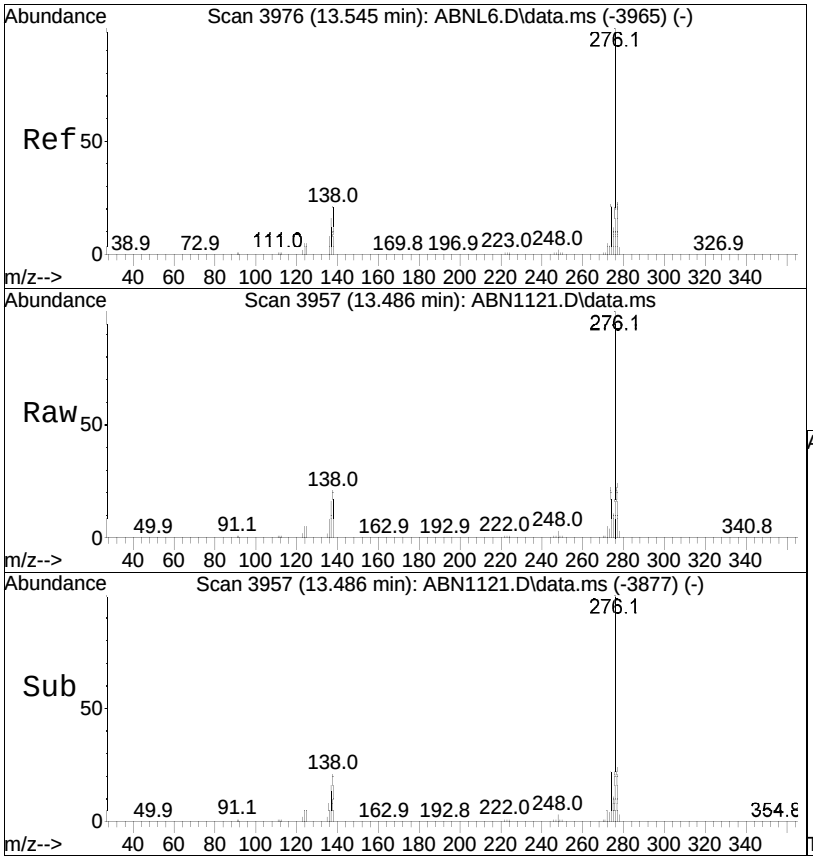


#114
Benzo(a)pyrene
Concen: 4.93 ug/ml
RT: 12.497 min Scan# 3639
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:252 Resp: 312965

Ion	Ratio	Lower	Upper
252	100		
125	11.9	14.2	21.2#
253	21.5	16.9	25.3

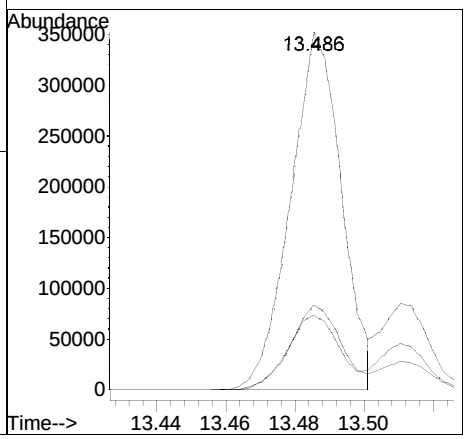


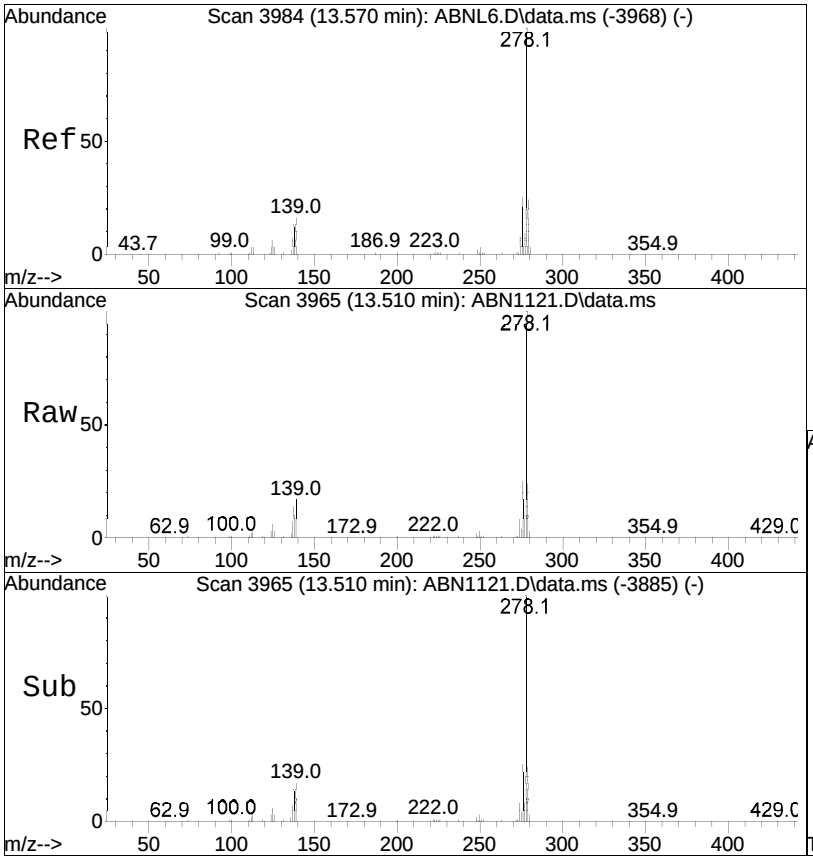


#116
Indeno(1,2,3-cd)pyrene
Concen: 4.68 ug/mL
RT: 13.486 min Scan# 3957
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:276 Resp: 358554

Ion	Ratio	Lower	Upper
276	100		
138	21.2	25.1	37.7#
277	24.1	18.6	28.0

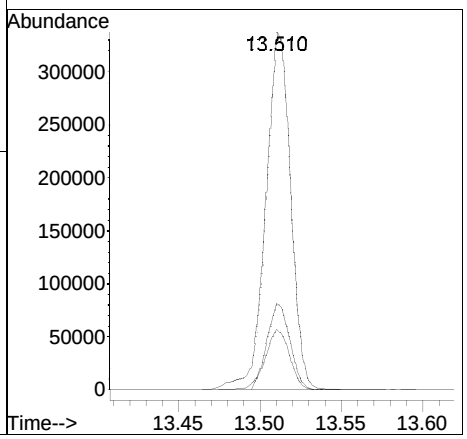


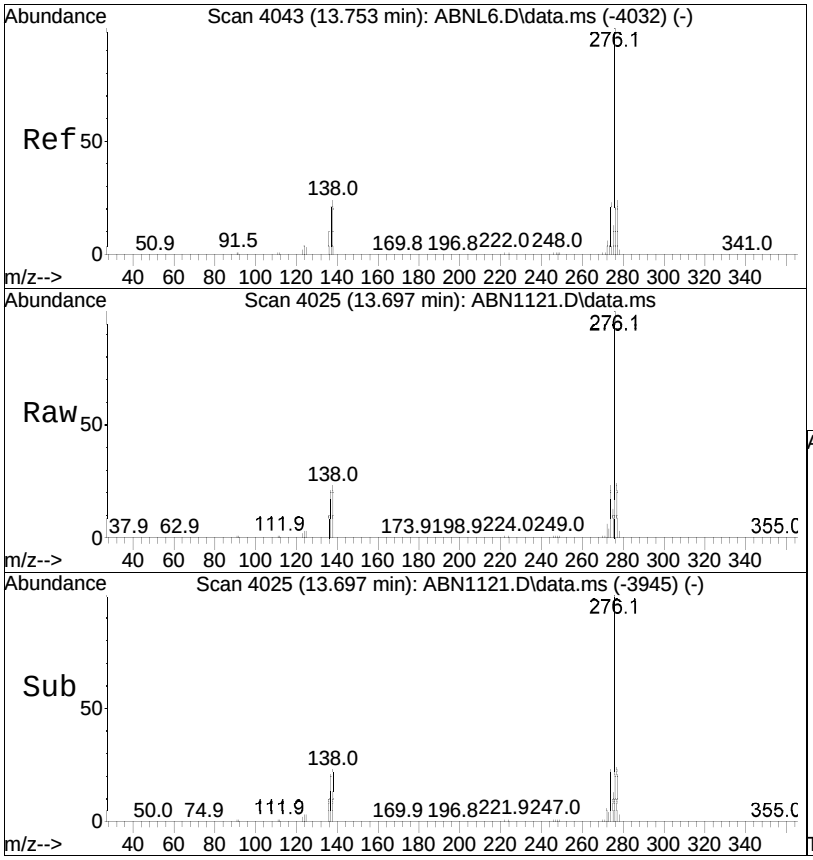


#117
Dibenzo(a,h)anthracene
Concen: 4.72 ug/ml
RT: 13.510 min Scan# 3965
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:278 Resp: 355295

Ion	Ratio	Lower	Upper
278	100		
139	16.1	20.8	31.2#
279	23.0	18.3	27.5

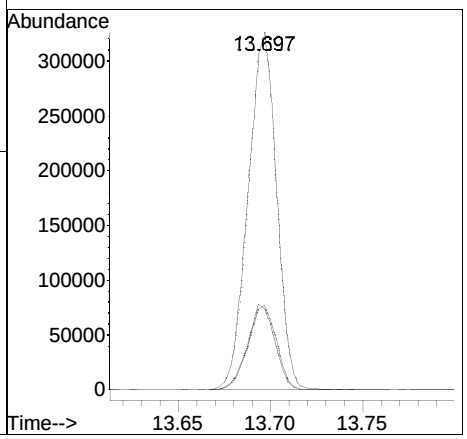




#118
Benzo(ghi)perylene
Concen: 4.68 ug/ml
RT: 13.697 min Scan# 4025
Delta R.T. 0.000 min
Lab File: ABN1121.D
Acq: 21 Nov 2024 8:52 pm

Tgt Ion:276 Resp: 346419

Ion	Ratio	Lower	Upper
276	100		
138	23.3	29.2	43.8#
277	23.6	18.8	28.2



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ABN1121.D	Operator	: Dakota:smz
Date Inj'd	: 11/21/2024 8:52 pm	Instrument	: Dakota
Sample	: wg1999667-3,32,,ABN RVT CC	Quant Date	: 11/21/2024 9:14 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241121RVT\
Data File : AP91121.D
Acq On : 21 Nov 2024 9:15 pm
Operator : Dakota:smz
Sample : wg1999667-4,32,,AP9 RVT CCV Lot # 11152
Misc : wg1999667,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Nov 21 21:34:37 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:35:35 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
28	T	Benzaldehyde	0.703	0.765	-8.8	77	0.00
29	T	Acetophenone	1.403	1.530	-9.1	80	0.00
30	T	m-Toluidine	1.287	1.372	-6.6	80	0.00
31	T	2-Chloroaniline	1.368	1.543	-12.8	83	0.00
57	I	IS2_Naphthalene-d8	1.000	1.000	0.0	82	0.00
58	T	a-Terpineol	0.221	0.245	-10.9	86	0.00
59	T	3-Chloroaniline	0.115	0.116	-0.9	76	0.00
60	T	2,6-Dichlorophenol	0.296	0.319	-7.8	82	0.00
61	T	1-chloro-2-nitrobenzene	0.113	0.129	-14.2	84	0.00
62	T	Caprolactam	0.123	0.136	-10.6	88	0.00
63	T	1,2,4,5-Tetrachlorobenzene	0.413	0.424	-2.7	80	0.00
64	T	Biphenyl	0.842	0.892	-5.9	82	0.00
85	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	86	0.00
86	T	Dichloran	0.169	0.176	-4.1	92	0.00
87	T	Pentachloronitrobenzene	0.187	0.186	0.5	88	0.00
100	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	86	0.00
101	T	Diphenamid	0.416	0.449	-7.9	89	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : AP91121.D
Acq On : 21 Nov 2024 9:15 pm
Operator : Dakota:smz
Sample : wg1999667-4,32,,AP9 RVT CCV Lot # 11152
Misc : wg1999667,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Nov 21 21:34:37 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:35:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.227	152	21746	4.000	ug/ml		0.00
57)	IS2_Naphthalene-d8	5.467	136	81204	4.000	ug/ml	#	0.00
85)	IS2_Acenaphthene-d10	7.158	164	55117	4.000	ug/ml		0.00
100)	IS2_Phenanthrene-d10	8.569	188	122008	4.000	ug/ml		0.00
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.788	105	20782	5.434	ug/ml		94
29)	Acetophenone	4.640	105	41591	5.451	ug/ml	#	80
30)	m-Toluidine	4.724	106	37289	5.330	ug/ml		96
31)	2-Chloroaniline	5.081	127	41950	5.641	ug/ml	#	90
58)	a-Terpineol	5.535	59	24822	5.522	ug/ml	#	84
59)	3-Chloroaniline	5.548	65	11795	5.070	ug/ml		87
60)	2,6-Dichlorophenol	5.572	162	32397	5.399	ug/ml	#	81
61)	1-chloro-2-nitrobenzene	5.824	111	13065	5.673	ug/ml	#	1
62)	Caprolactam	5.862	55	13782	5.524	ug/ml	#	80
63)	1,2,4,5-Tetrachloroben...	6.334	216	43030	5.133	ug/ml	#	94
64)	Biphenyl	6.626	154	90560	5.300	ug/ml		97
86)	Dichloran	8.283	206	12160	5.223	ug/ml	#	57
87)	Pentachloronitrobenzene	8.429	237	12818	4.986	ug/ml	#	82
101)	Diphenamid	9.486	167	68485	5.398	ug/ml	#	76

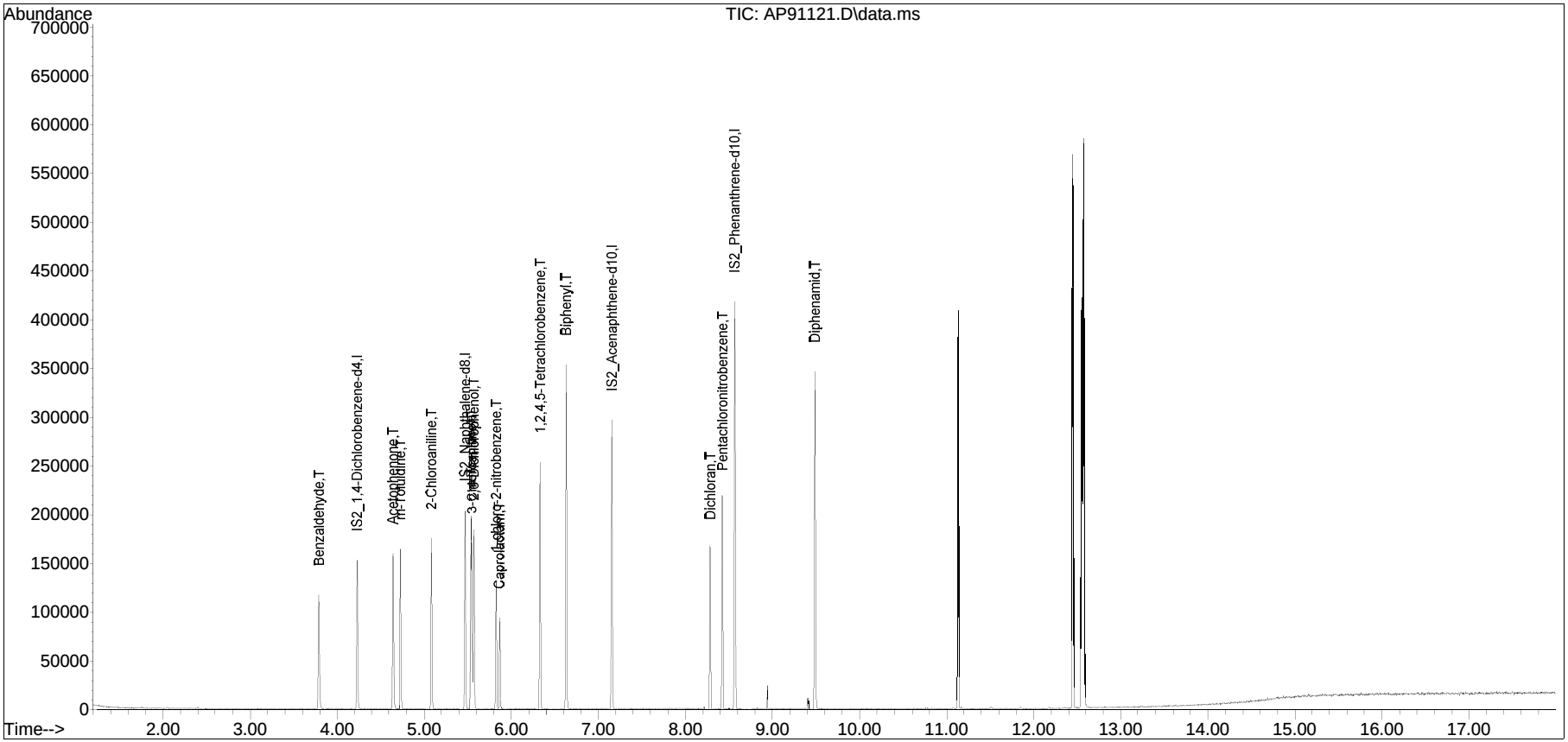
(#) = qualifier out of range (m) = manual integration (+) = signals summed

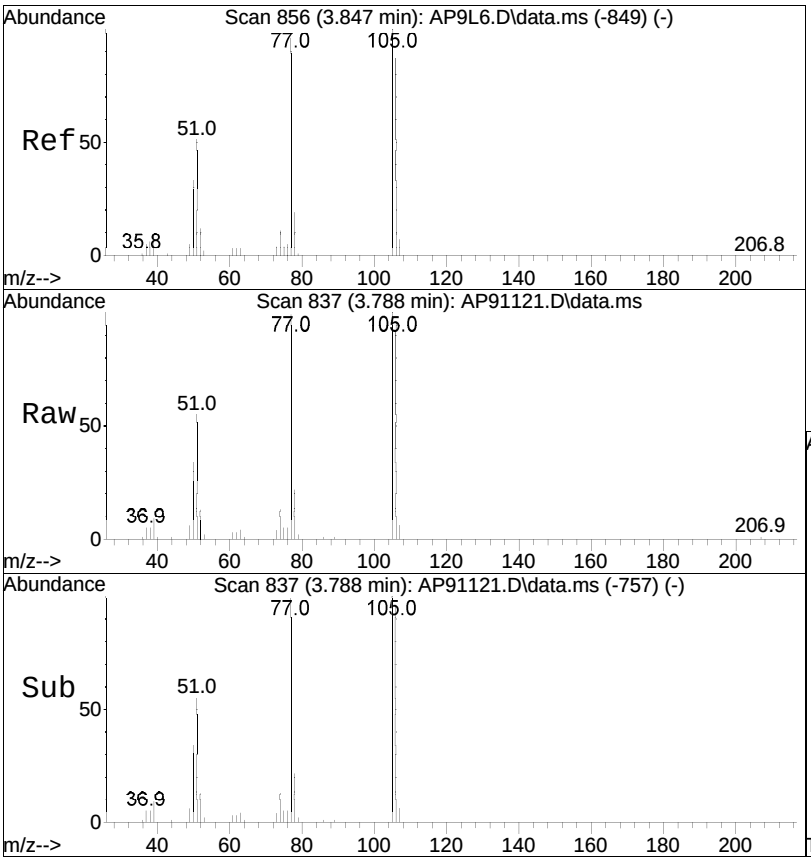
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : AP91121.D
Acq On : 21 Nov 2024 9:15 pm
Operator : Dakota:smz
Sample : wg1999667-4,32,,AP9 RVT CCV Lot # 11152
Misc : wg1999667,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Nov 21 21:34:37 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:35:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

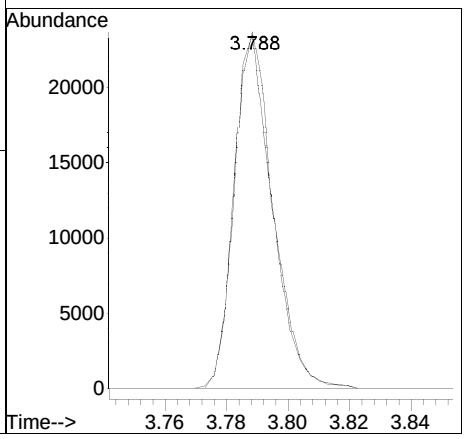


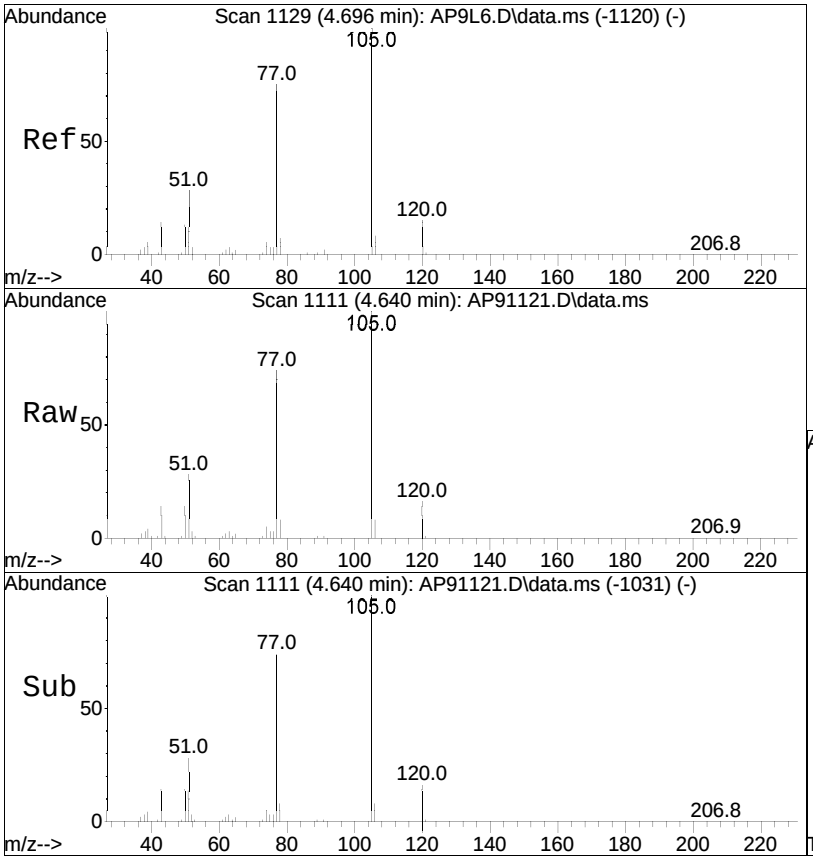


#28
Benzaldehyde
Concen: 5.43 ug/ml
RT: 3.788 min Scan# 837
Delta R.T. 0.000 min
Lab File: AP91121.D
Acq: 21 Nov 2024 9:15 pm

Tgt Ion:105 Resp: 20782

Ion	Ratio	Lower	Upper
105	100		
77	97.0	82.2	123.4

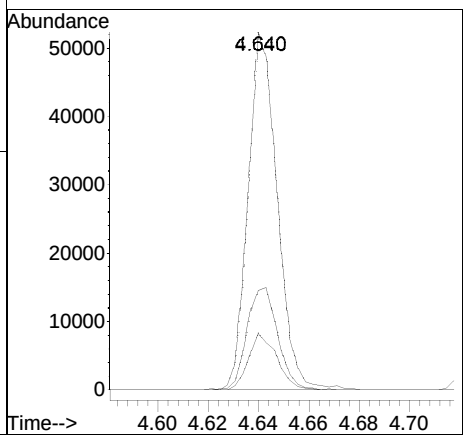


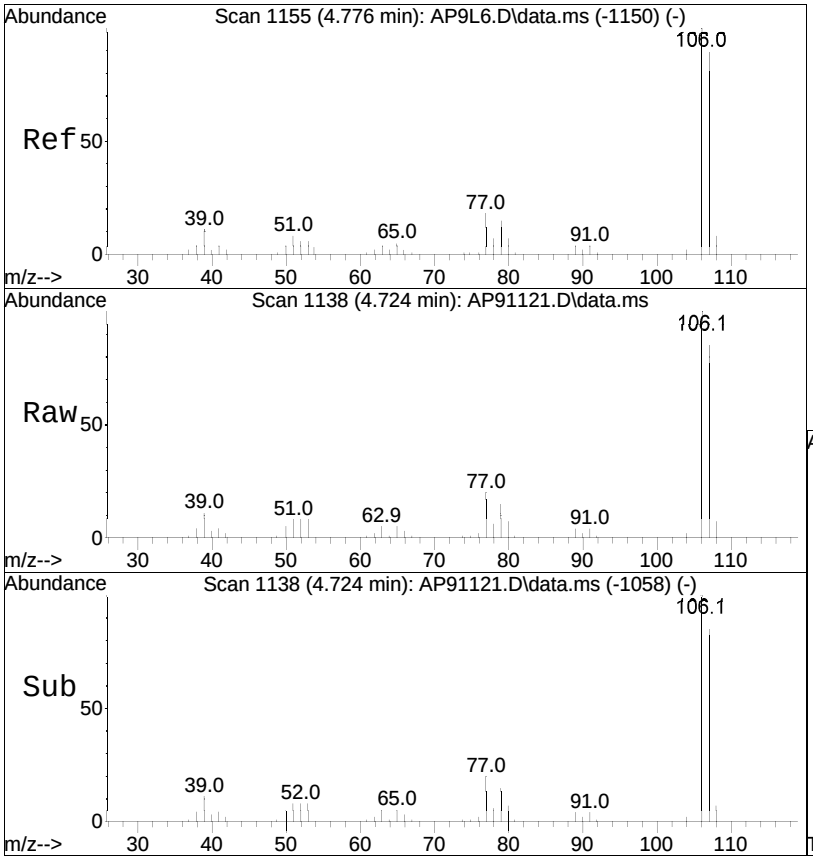


#29
Acetophenone
Concen: 5.45 ug/ml
RT: 4.640 min Scan# 1111
Delta R.T. 0.000 min
Lab File: AP91121.D
Acq: 21 Nov 2024 9:15 pm

Tgt Ion:105 Resp: 41591

Ion	Ratio	Lower	Upper
105	100		
120	15.5	20.5	30.7#
51	30.2	34.9	52.3#

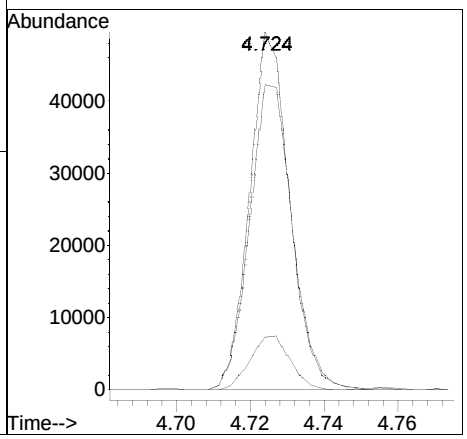


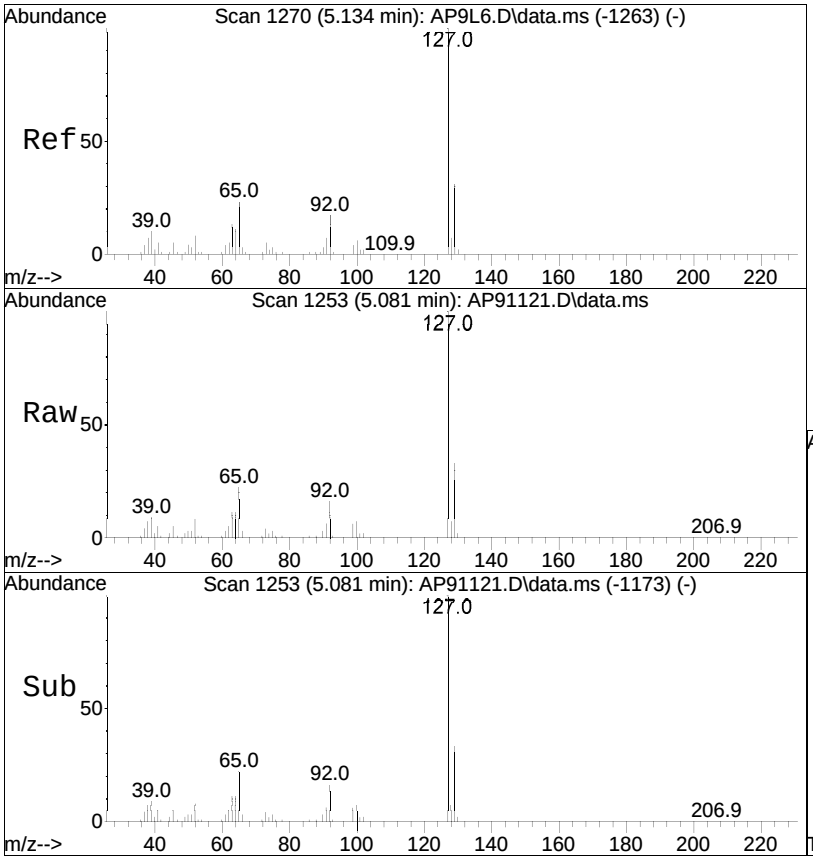


#30
m-Toluidine
Concen: 5.33 ug/ml
RT: 4.724 min Scan# 1138
Delta R.T. 0.000 min
Lab File: AP91121.D
Acq: 21 Nov 2024 9:15 pm

Tgt Ion:106 Resp: 37289

Ion	Ratio	Lower	Upper
106	100		
107	90.1	75.7	113.5
79	15.1	11.8	17.8

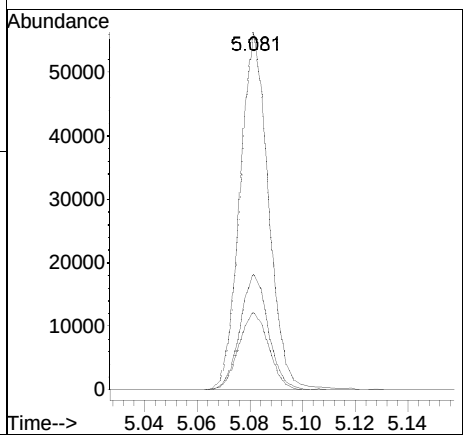


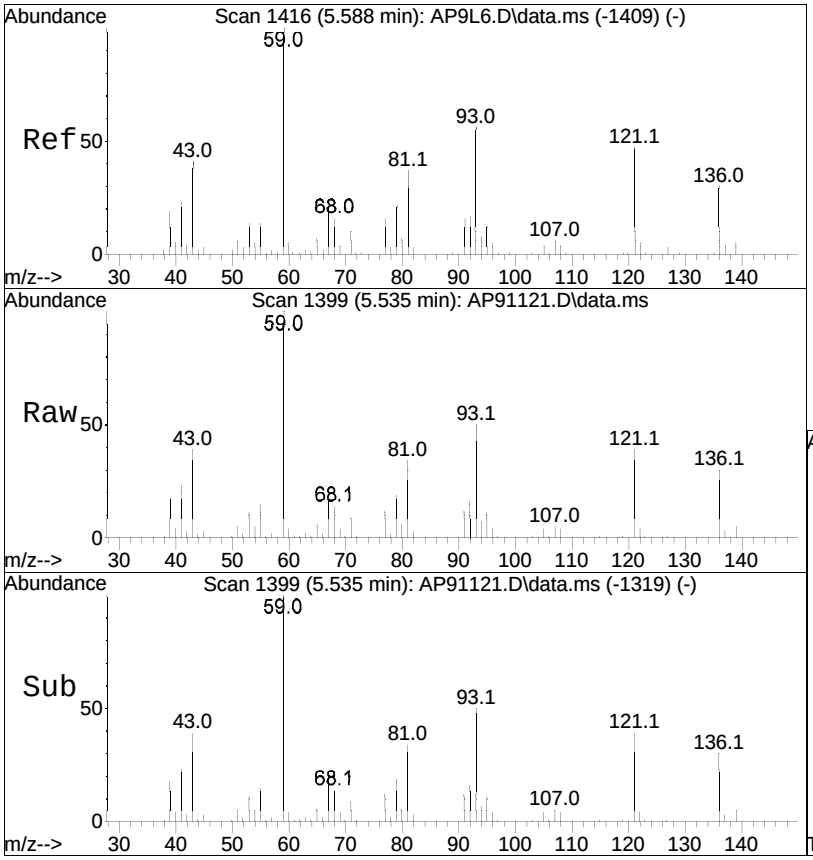


#31
2-Chloroaniline
Concen: 5.64 ug/ml
RT: 5.081 min Scan# 1253
Delta R.T. 0.000 min
Lab File: AP91121.D
Acq: 21 Nov 2024 9:15 pm

Tgt Ion:127 Resp: 41950

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.9	38.9
65	22.7	26.3	39.5#

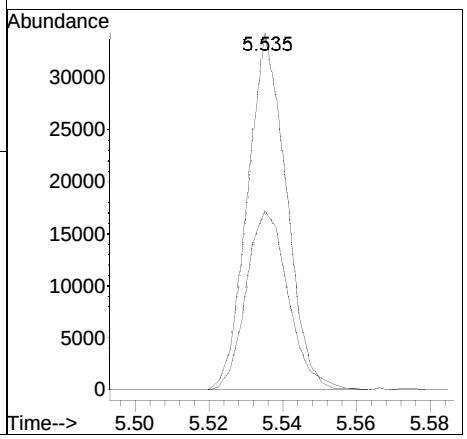


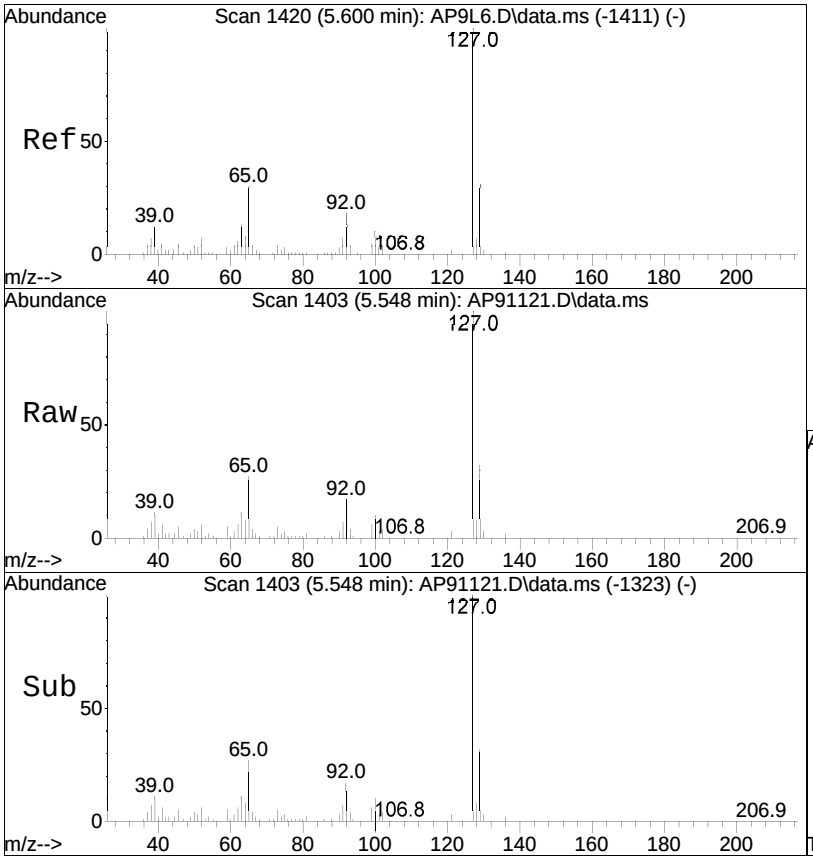


#58
a-Terpineol
Concen: 5.52 ug/ml
RT: 5.535 min Scan# 1399
Delta R.T. 0.000 min
Lab File: AP91121.D
Acq: 21 Nov 2024 9:15 pm

Tgt Ion: 59 Resp: 24822

Ion	Ratio	Lower	Upper
59	100		
93	55.0	35.6	53.4#

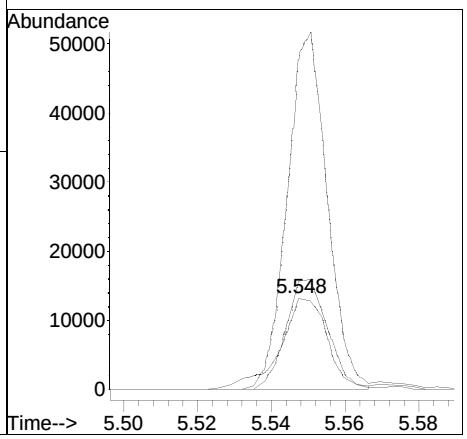


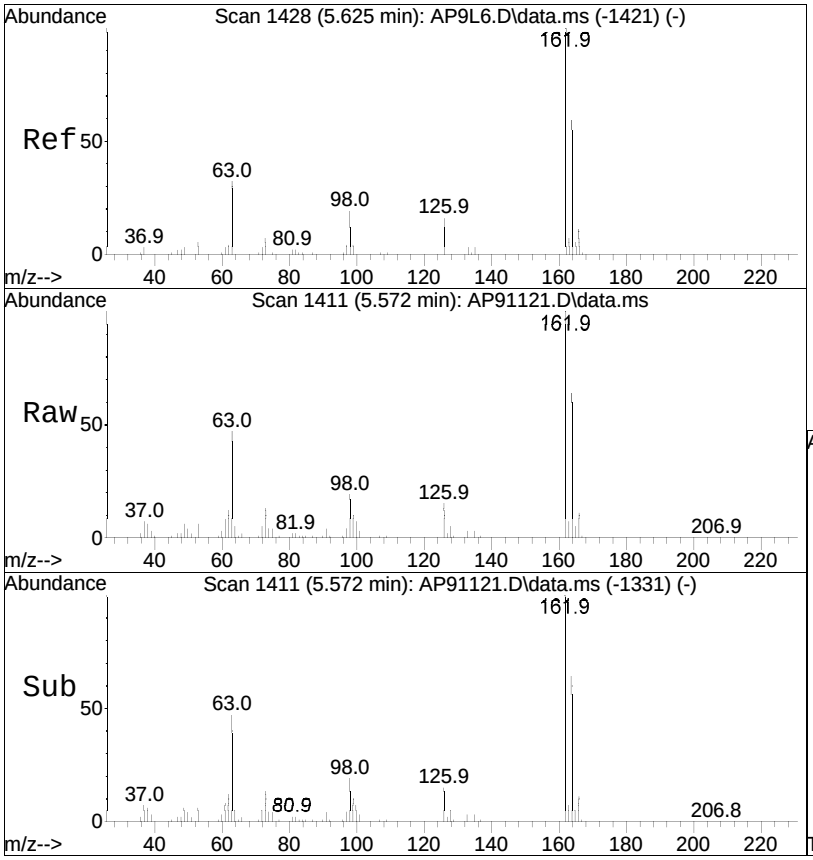


#59
3-Chloroaniline
Concen: 5.07 ug/ml
RT: 5.548 min Scan# 1403
Delta R.T. 0.000 min
Lab File: AP91121.D
Acq: 21 Nov 2024 9:15 pm

Tgt Ion: 65 Resp: 11795

Ion	Ratio	Lower	Upper
65	100		
127	333.2	243.2	364.8
129	106.2	78.8	118.2

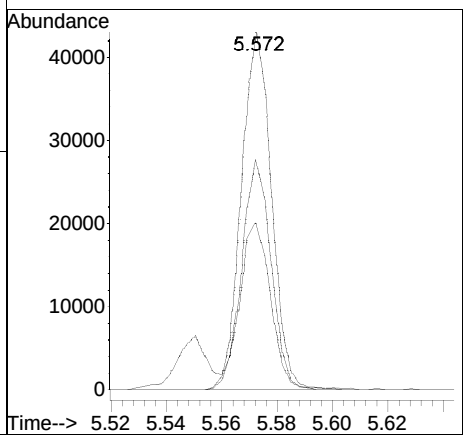


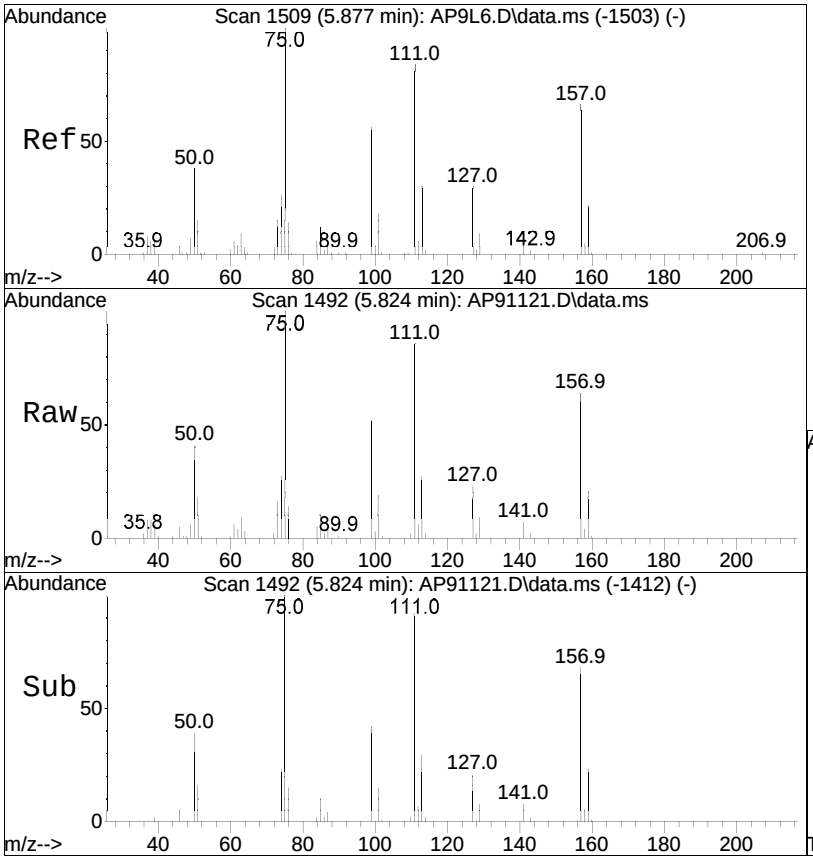


#60
2,6-Dichlorophenol
Concen: 5.40 ug/ml
RT: 5.572 min Scan# 1411
Delta R.T. 0.000 min
Lab File: AP91121.D
Acq: 21 Nov 2024 9:15 pm

Tgt Ion:162 Resp: 32397

Ion	Ratio	Lower	Upper
162	100		
164	62.4	51.1	76.7
63	47.3	60.8	91.2#

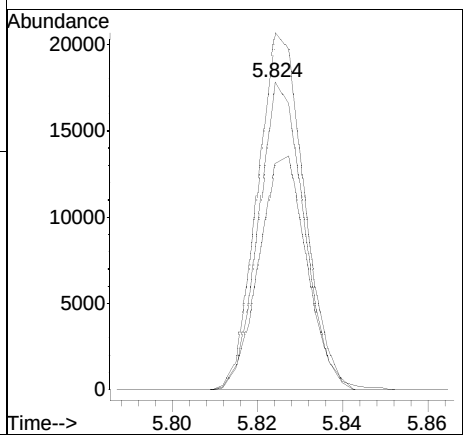


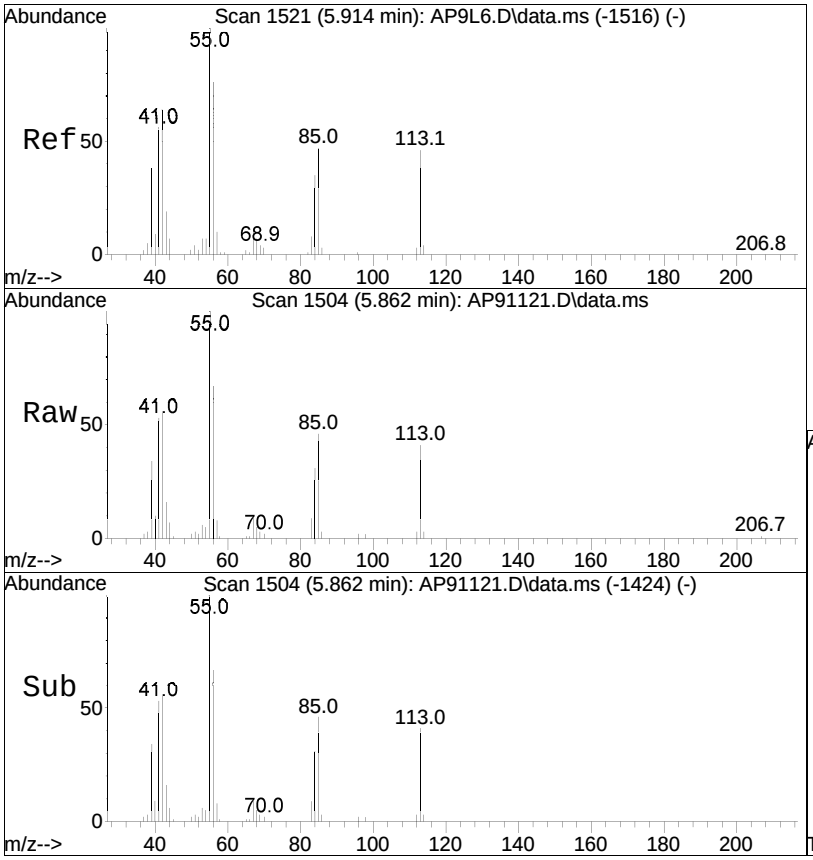


#61
1-chloro-2-nitrobenzene
Concen: 5.67 ug/ml
RT: 5.824 min Scan# 1492
Delta R.T. 0.000 min
Lab File: AP91121.D
Acq: 21 Nov 2024 9:15 pm

Tgt Ion:111 Resp: 13065

Ion	Ratio	Lower	Upper
111	100		
157	81.0	0.0	0.0#
75	121.2	28.2	42.2#

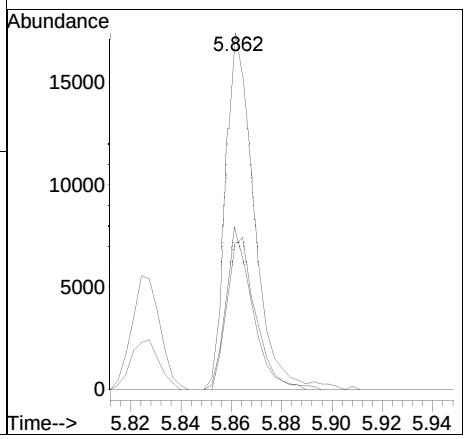


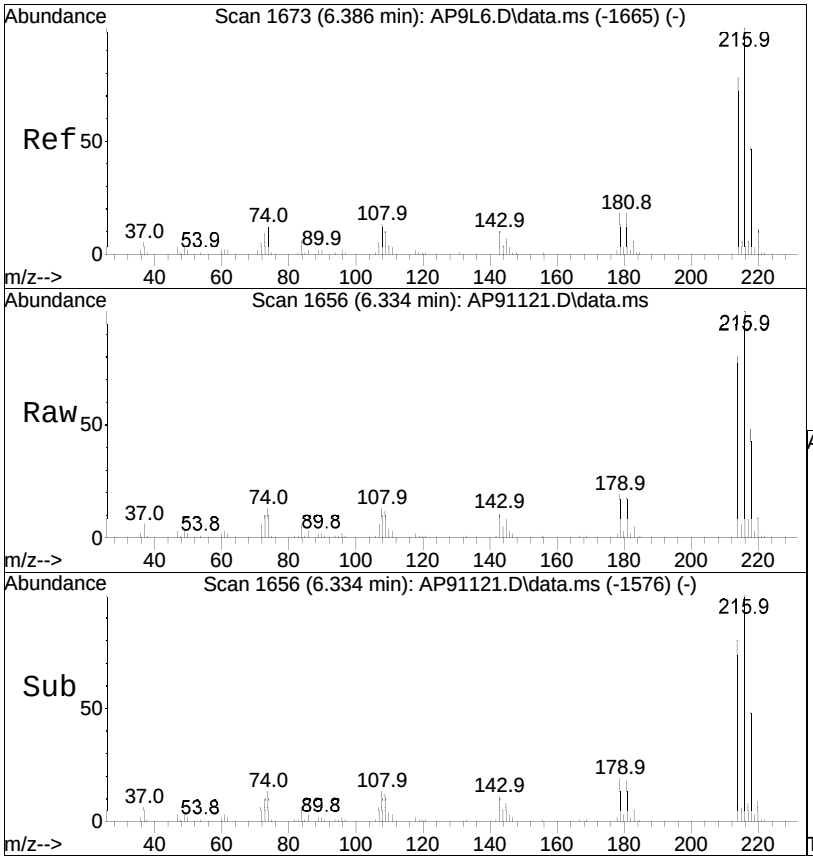


#62
Caprolactam
Concen: 5.52 ug/ml
RT: 5.862 min Scan# 1504
Delta R.T. 0.000 min
Lab File: AP91121.D
Acq: 21 Nov 2024 9:15 pm

Tgt Ion: 55 Resp: 13782

Ion	Ratio	Lower	Upper
55	100		
85	42.5	19.8	29.6#
113	42.6	29.6	44.4

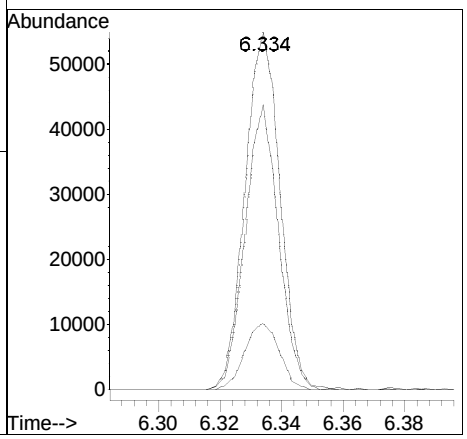


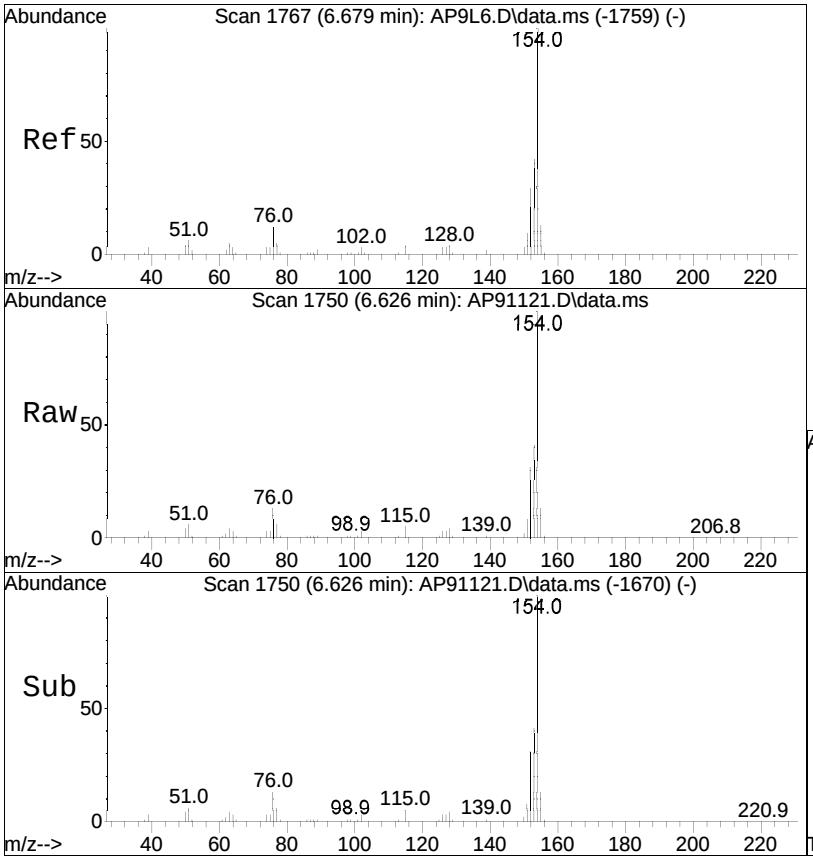


#63
1,2,4,5-Tetrachlorobenzene
Concen: 5.13 ug/ml
RT: 6.334 min Scan# 1656
Delta R.T. 0.000 min
Lab File: AP91121.D
Acq: 21 Nov 2024 9:15 pm

Tgt Ion:216 Resp: 43030

Ion	Ratio	Lower	Upper
216	100		
214	76.1	63.7	95.5
179	18.5	19.0	28.6#

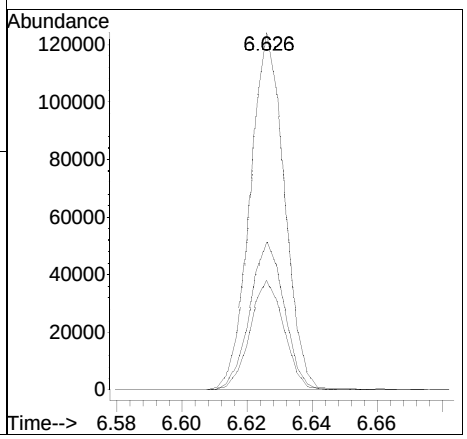


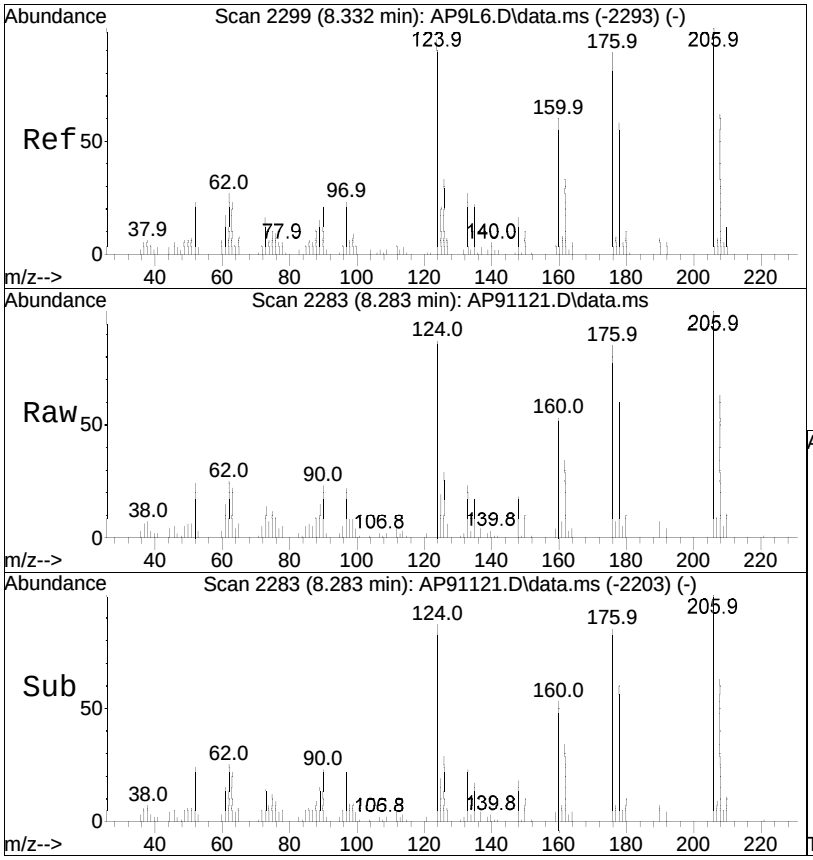


#64
Biphenyl
Concen: 5.30 ug/ml
RT: 6.626 min Scan# 1750
Delta R.T. 0.000 min
Lab File: AP91121.D
Acq: 21 Nov 2024 9:15 pm

Tgt Ion:154 Resp: 90560

Ion	Ratio	Lower	Upper
154	100		
153	41.7	32.3	48.5
152	30.5	22.5	33.7

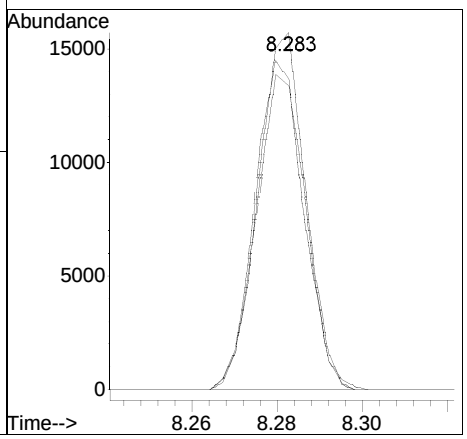


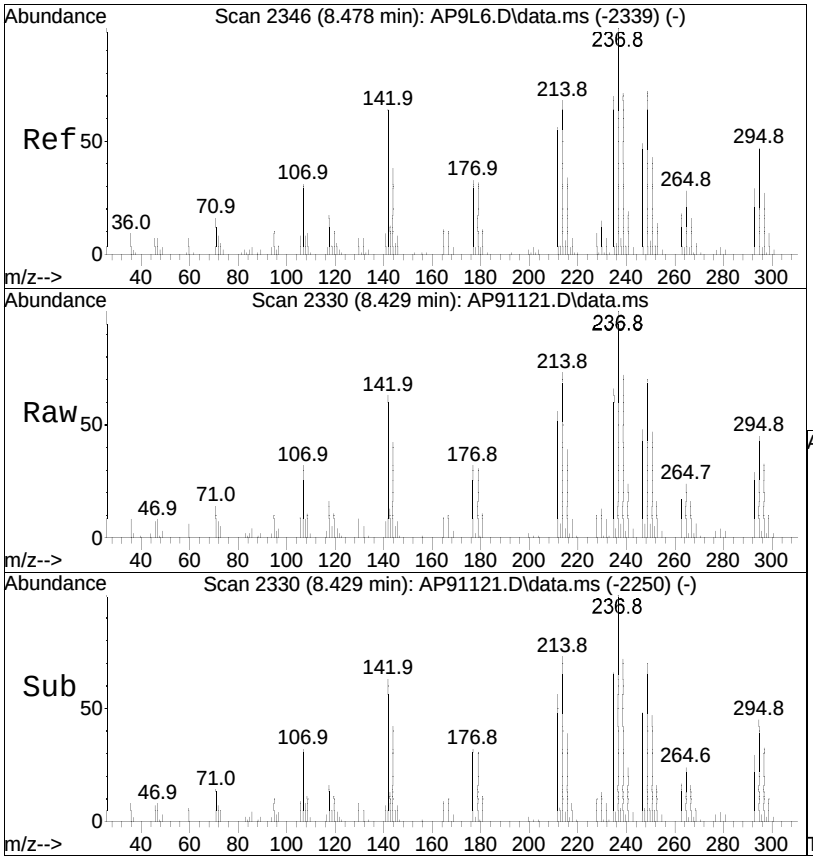


#86
Dichloran
Concen: 5.22 ug/ml
RT: 8.283 min Scan# 2283
Delta R.T. 0.000 min
Lab File: AP91121.D
Acq: 21 Nov 2024 9:15 pm

Tgt Ion:206 Resp: 12160

Ion	Ratio	Lower	Upper
206	100		
176	92.0	104.6	157.0#
124	94.6	130.5	195.7#

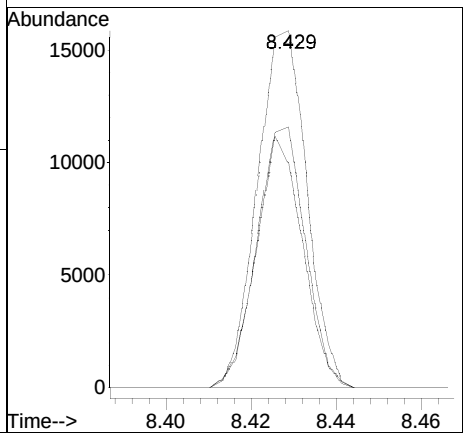


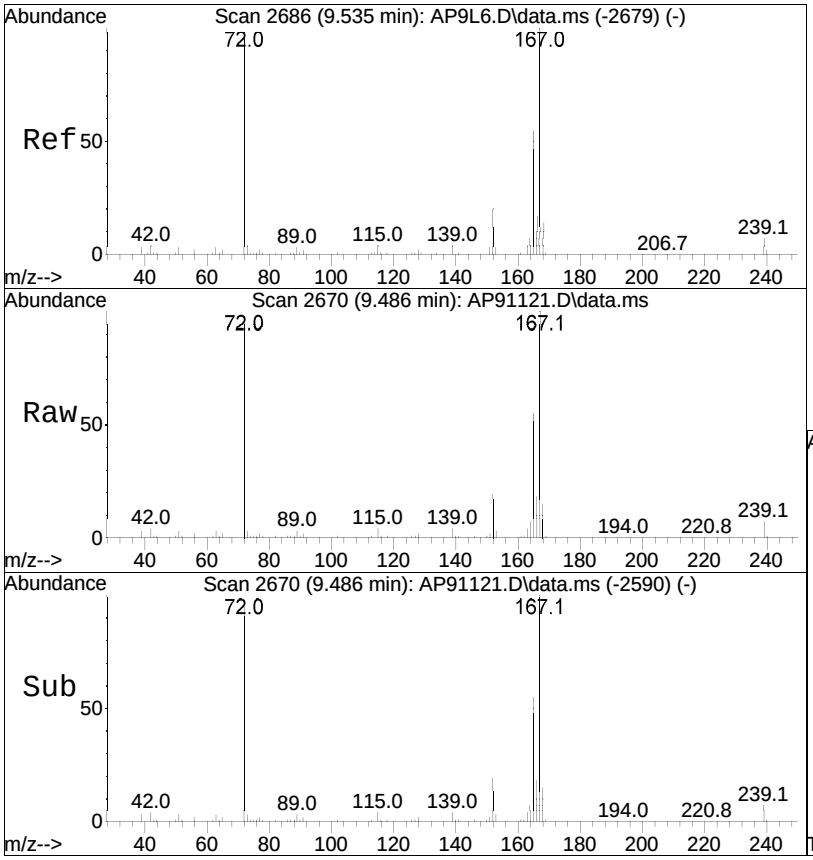


#87
Pentachloronitrobenzene
Concen: 4.99 ug/ml
RT: 8.429 min Scan# 2330
Delta R.T. 0.000 min
Lab File: AP91121.D
Acq: 21 Nov 2024 9:15 pm

Tgt Ion:237 Resp: 12818

Ion	Ratio	Lower	Upper
237	100		
142	66.3	77.0	115.4#
214	71.7	58.2	87.4

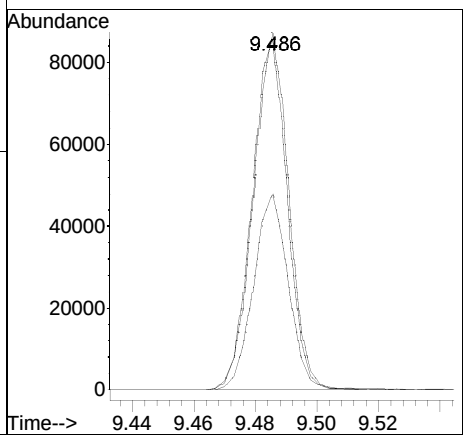




#101
Diphenamid
Concen: 5.40 ug/ml
RT: 9.486 min Scan# 2670
Delta R.T. 0.000 min
Lab File: AP91121.D
Acq: 21 Nov 2024 9:15 pm

Tgt Ion:167 Resp: 68485

Ion	Ratio	Lower	Upper
167	100		
72	98.0	109.7	164.5#
165	54.2	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: AP91121.D	Operator	: Dakota:smz
Date Inj'd	: 11/21/2024 9:15 pm	Instrument	: Dakota
Sample	: wg1999667-4,32,,AP9 RVT CC	Quant Date	: 11/21/2024 9:35 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241121RVT\
Data File : ADP1121.D
Acq On : 21 Nov 2024 9:39 pm
Operator : Dakota:smz
Sample : wg1999667-5,32,,ADP RVT CCV Lot # 11153
Misc : wg1999667,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Nov 21 21:57:45 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:44 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	80	0.00
33	T	1,4-Dioxane		0.381	0.423	-11.0	84	0.00
35	T	n-Decane		1.048	1.099	-4.9	80	0.00
88	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	86	0.00
89	T	Atrazine		0.343	0.357	-4.1	90	0.00
102	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	89	0.00
103	T	n-Octadecane		0.334	0.356	-6.6	95	0.00
104	T	Parathion	*	5.000	5.147	-2.9	103	0.00
105	T	3,3'-Dimethylbenzidine		0.728	0.722	0.8	99	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : ADP1121.D
Acq On : 21 Nov 2024 9:39 pm
Operator : Dakota:smz
Sample : wg1999667-5,32,,ADP RVT CCV Lot # 11153
Misc : wg1999667,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Nov 21 21:57:45 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:44 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	4.227	152	21708	4.000	ug/ml	0.00
88)	IS3_Acenaphthene-d10	7.157	164	52036	4.000	ug/ml	0.00
102)	IS3_Phenanthrene-d10	8.569	188	118647	4.000	ug/ml	0.00
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.330	88	11490	5.558	ug/ml#	83
35)	n-Decane	4.133	57	29815	5.241	ug/ml#	30
89)	Atrazine	8.373	200	23225	5.204	ug/ml#	90
103)	n-Octadecane	8.587	57	52770	5.331	ug/ml#	1
104)	Parathion	9.370	109	12753	5.147	ug/ml	93
105)	3,3'-Dimethylbenzidine	10.611	212	107035	4.956	ug/ml	99

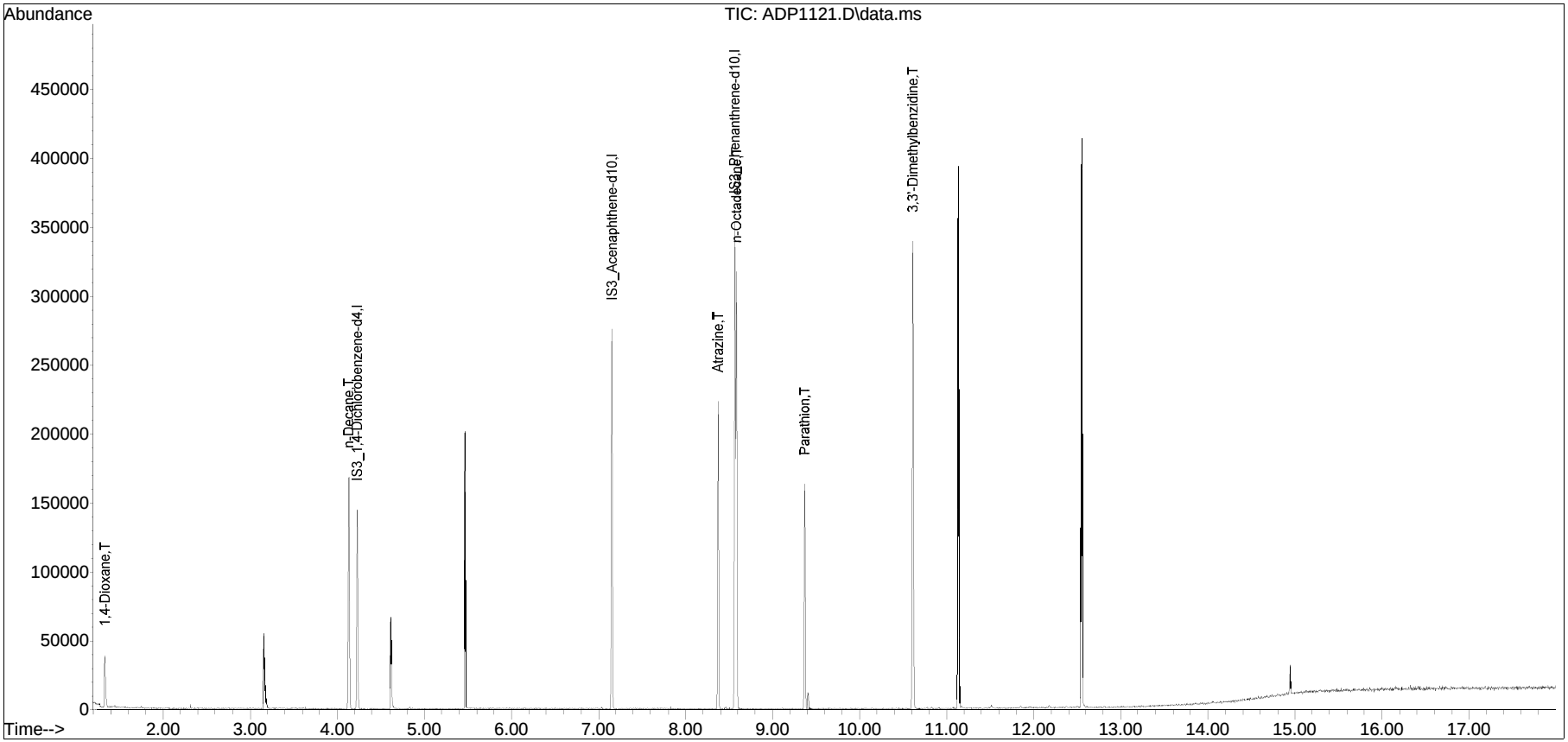
(#) = qualifier out of range (m) = manual integration (+) = signals summed

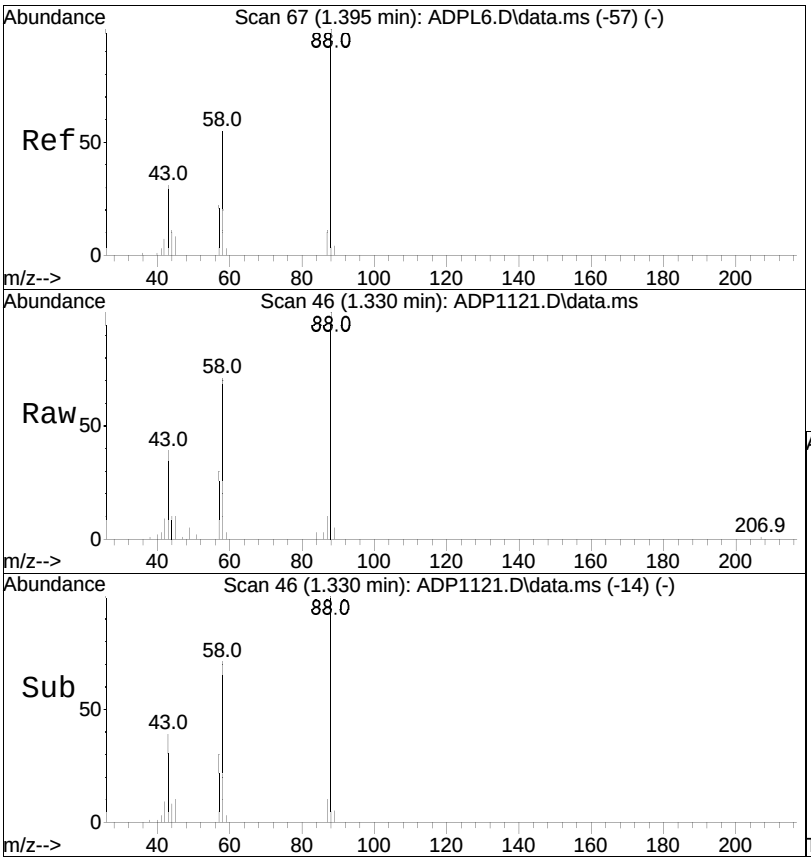
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : ADP1121.D
Acq On : 21 Nov 2024 9:39 pm
Operator : Dakota:smz
Sample : wg1999667-5,32,,ADP RVT CCV Lot # 11153
Misc : wg1999667,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Nov 21 21:57:45 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:44 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

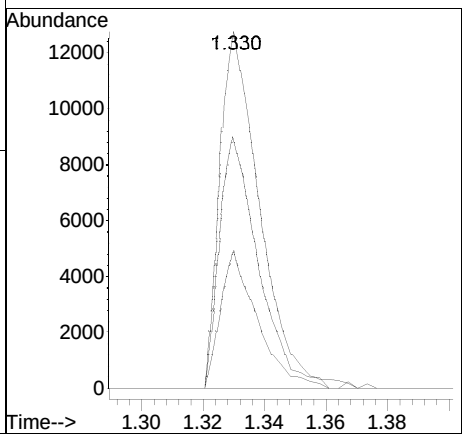


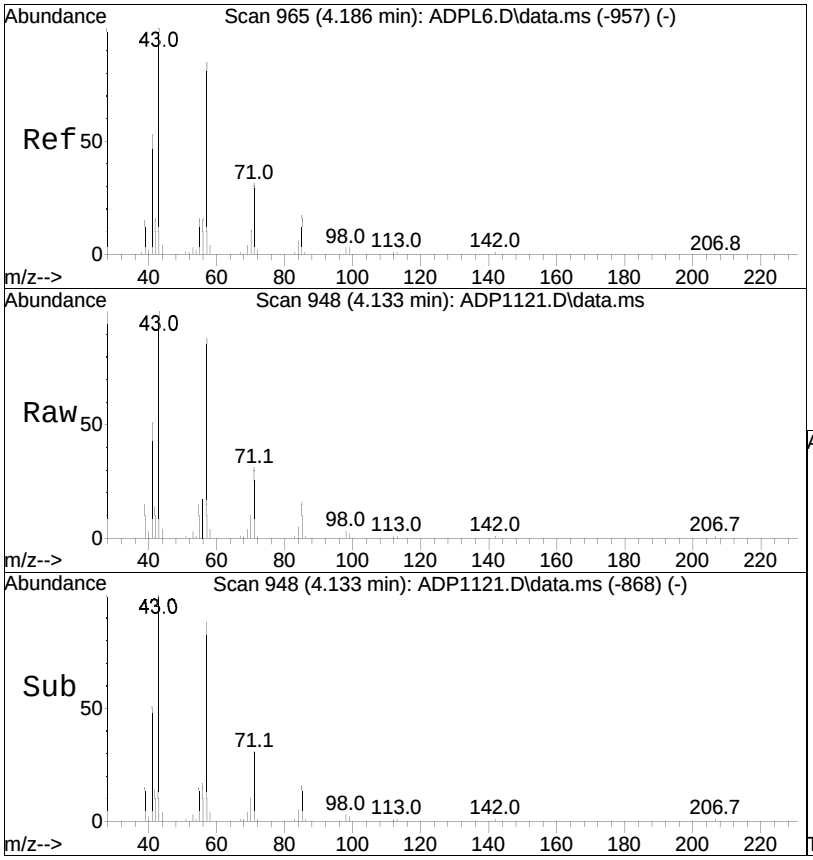


#33
1,4-Dioxane
Concen: 5.56 ug/ml
RT: 1.330 min Scan# 46
Delta R.T. 0.000 min
Lab File: ADP1121.D
Acq: 21 Nov 2024 9:39 pm

Tgt Ion: 88 Resp: 11490

Ion	Ratio	Lower	Upper
88	100		
58	68.6	44.8	67.2#
43	36.0	22.4	33.6#

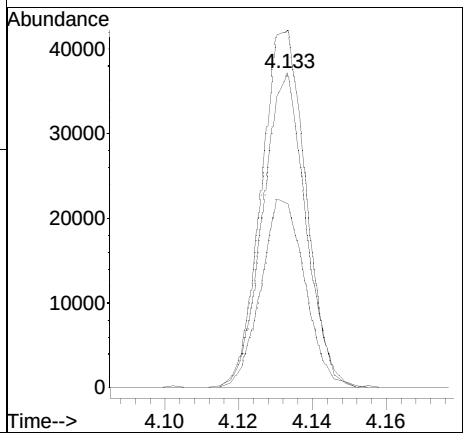


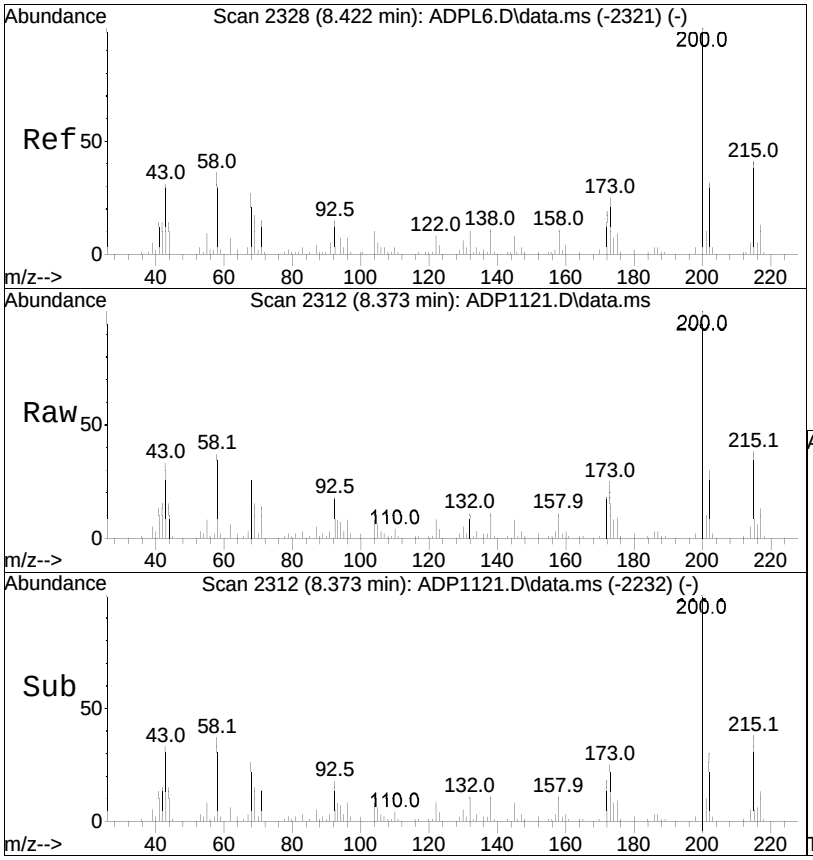


#35
n-Decane
Concen: 5.24 ug/ml
RT: 4.133 min Scan# 948
Delta R.T. 0.000 min
Lab File: ADP1121.D
Acq: 21 Nov 2024 9:39 pm

Tgt Ion: 57 Resp: 29815

Ion	Ratio	Lower	Upper
57	100		
43	118.0	0.2	0.2#
41	61.7	0.2	0.2#

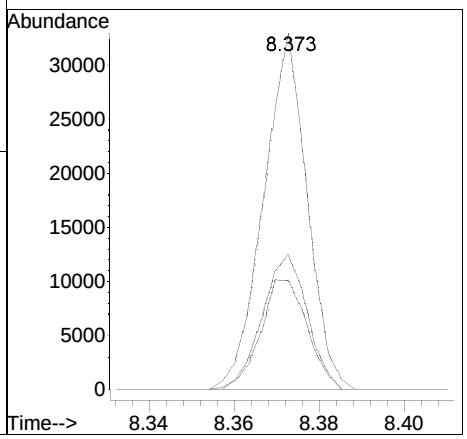


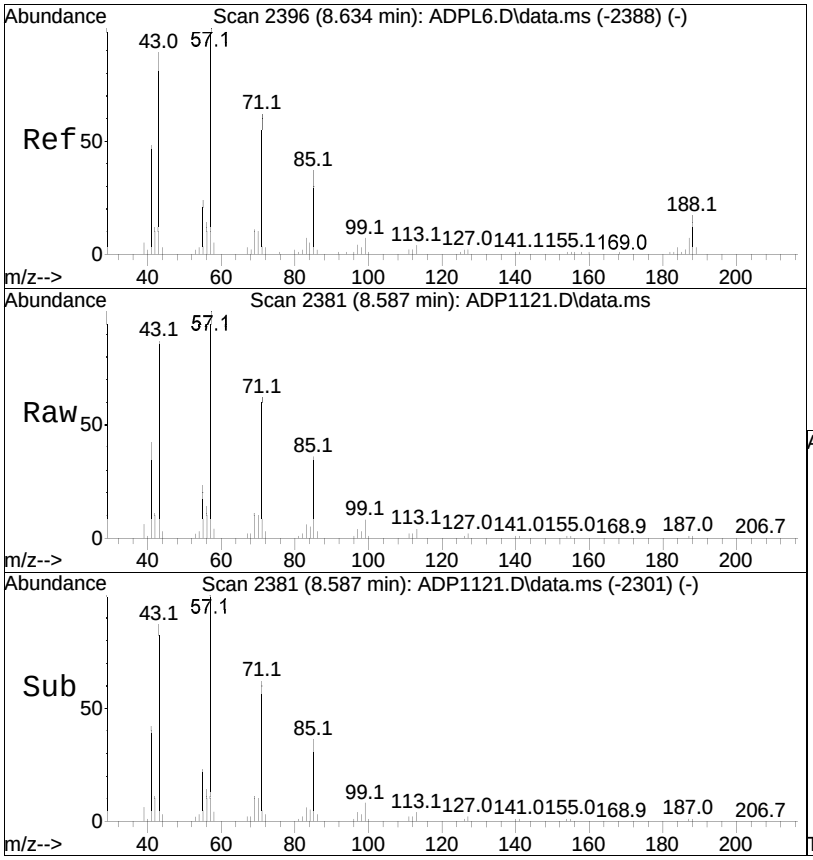


#89
Atrazine
Concen: 5.20 ug/ml
RT: 8.373 min Scan# 2312
Delta R.T. 0.000 min
Lab File: ADP1121.D
Acq: 21 Nov 2024 9:39 pm

Tgt Ion:200 Resp: 23225

Ion	Ratio	Lower	Upper
200	100		
202	33.3	25.8	38.6
215	39.3	40.2	60.4#

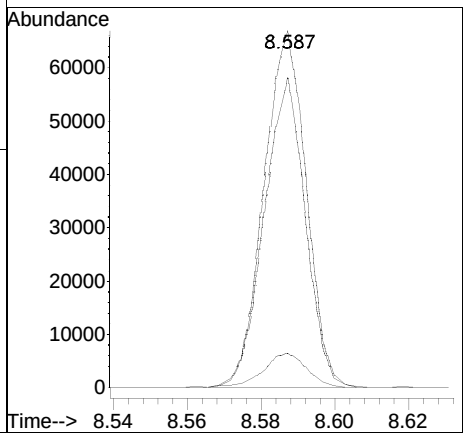


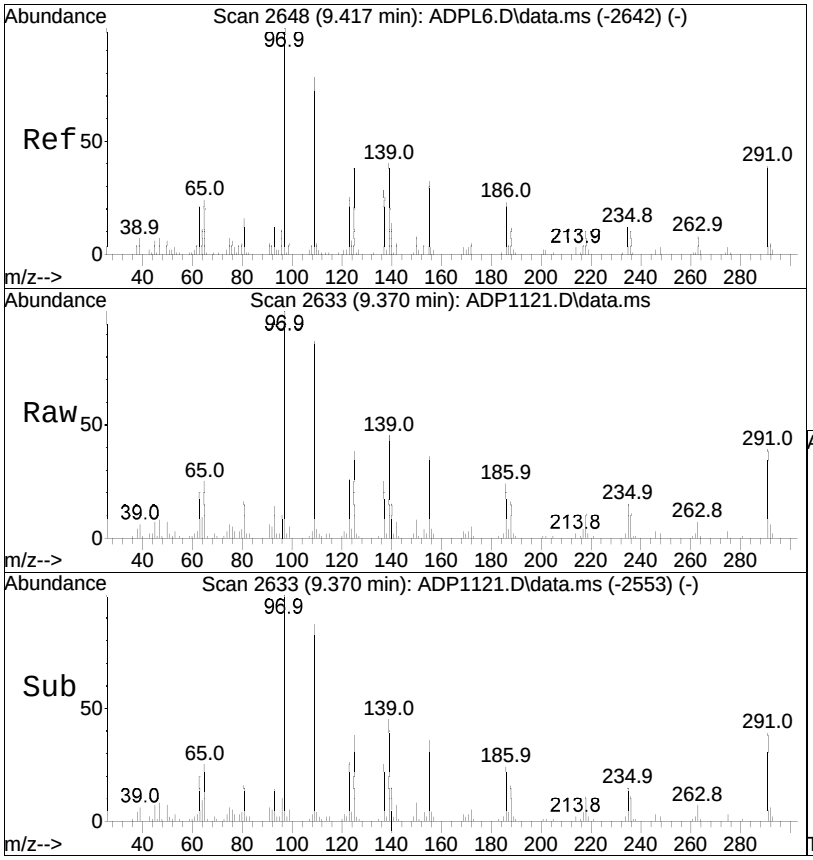


#103
n-Octadecane
Concen: 5.33 ug/ml
RT: 8.587 min Scan# 2381
Delta R.T. 0.000 min
Lab File: ADP1121.D
Acq: 21 Nov 2024 9:39 pm

Tgt Ion: 57 Resp: 52770

Ion	Ratio	Lower	Upper
57	100		
43	84.6	9.0	13.6#
70	9.9	0.2	0.2#

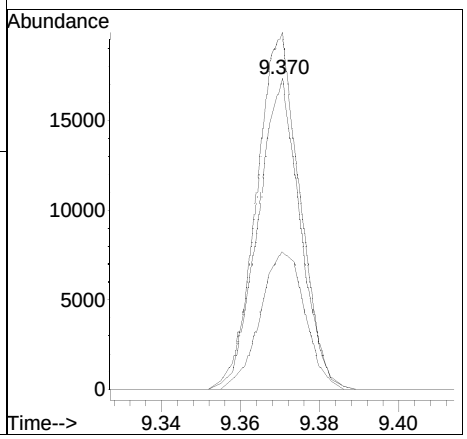


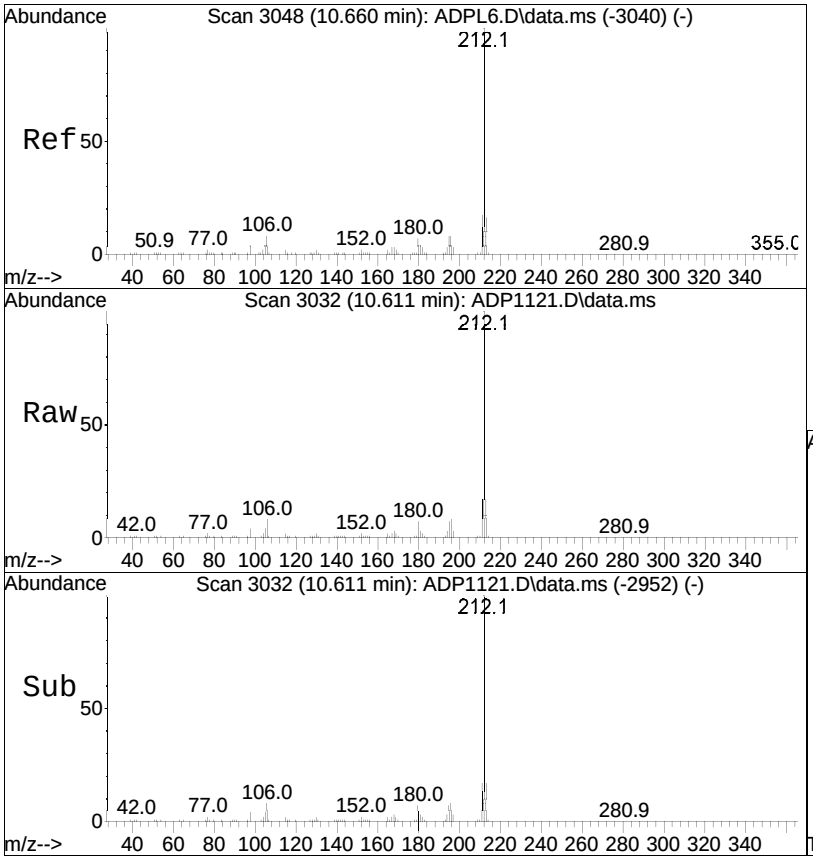


#104
Parathion
Concen: 5.15 ug/ml
RT: 9.370 min Scan# 2633
Delta R.T. 0.000 min
Lab File: ADP1121.D
Acq: 21 Nov 2024 9:39 pm

Tgt Ion:109 Resp: 12753

Ion	Ratio	Lower	Upper
109	100		
97	117.1	87.4	131.2
291	47.2	34.2	51.2

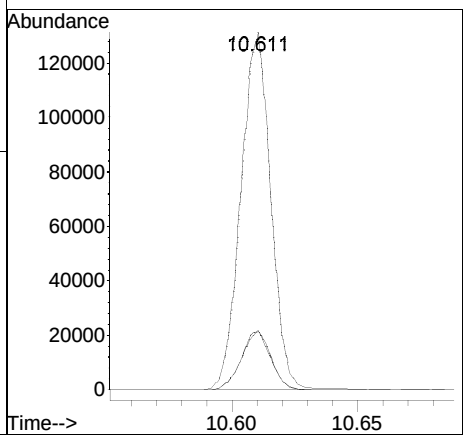




#105
3,3'-Dimethylbenzidine
Concen: 4.96 ug/ml
RT: 10.611 min Scan# 3032
Delta R.T. 0.000 min
Lab File: ADP1121.D
Acq: 21 Nov 2024 9:39 pm

Tgt Ion:212 Resp: 107035

Ion	Ratio	Lower	Upper
212	100		
211	16.3	12.9	19.3
213	16.2	13.2	19.8



Manual Integration Report

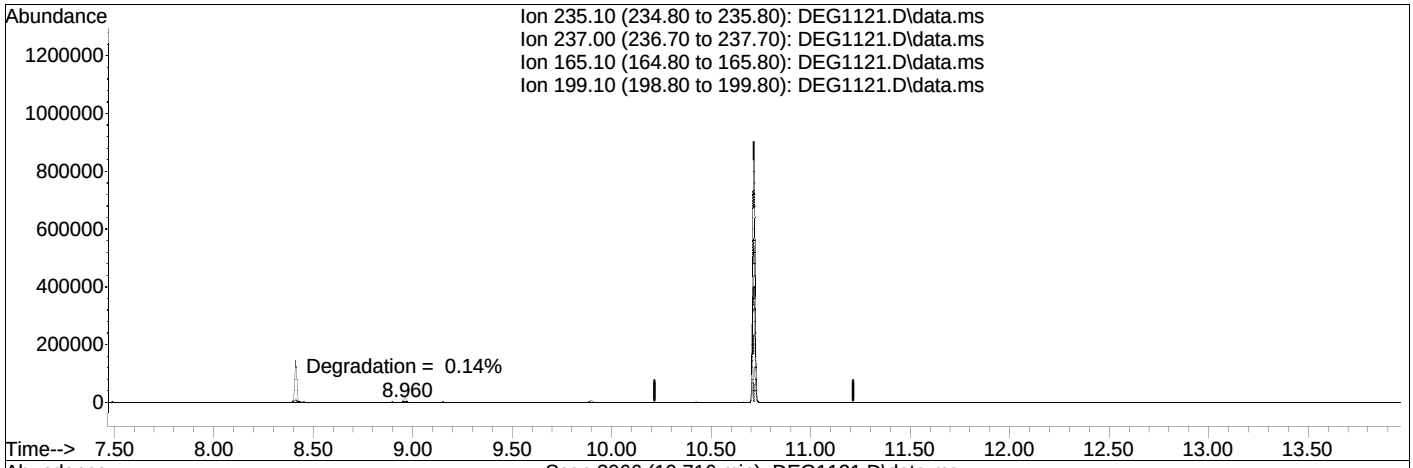
Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ADP1121.D	Operator	: Dakota:smz
Date Inj'd	: 11/21/2024 9:39 pm	Instrument	: Dakota
Sample	: wg1999667-5,32,,ADP RVT CC	Quant Date	: 11/21/2024 9:58 pm

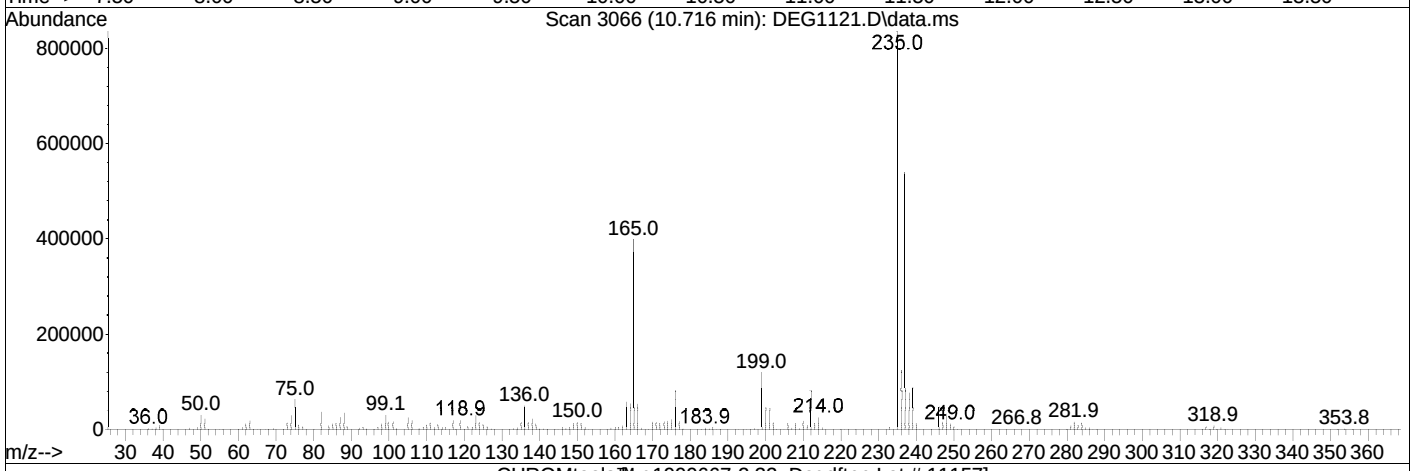
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241121RVT\
Data File : DEG1121.D
Acq On : 21 Nov 2024 8:28 pm
Operator : Dakota:smz
Sample : wg1999667-2,32,,Degdftpp Lot # 11157
Misc : wg1999667,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 21 20:48:46 2024
Quant Method : I:\8270\Dakota\241121RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 20:50:00 2024
Response via : Initial Calibration





CHROMtools [wg1999667-2,32,,Degdftpp Lot # 11157]

(6) DDT (T)

10.716min (+ 0.000) 111.45

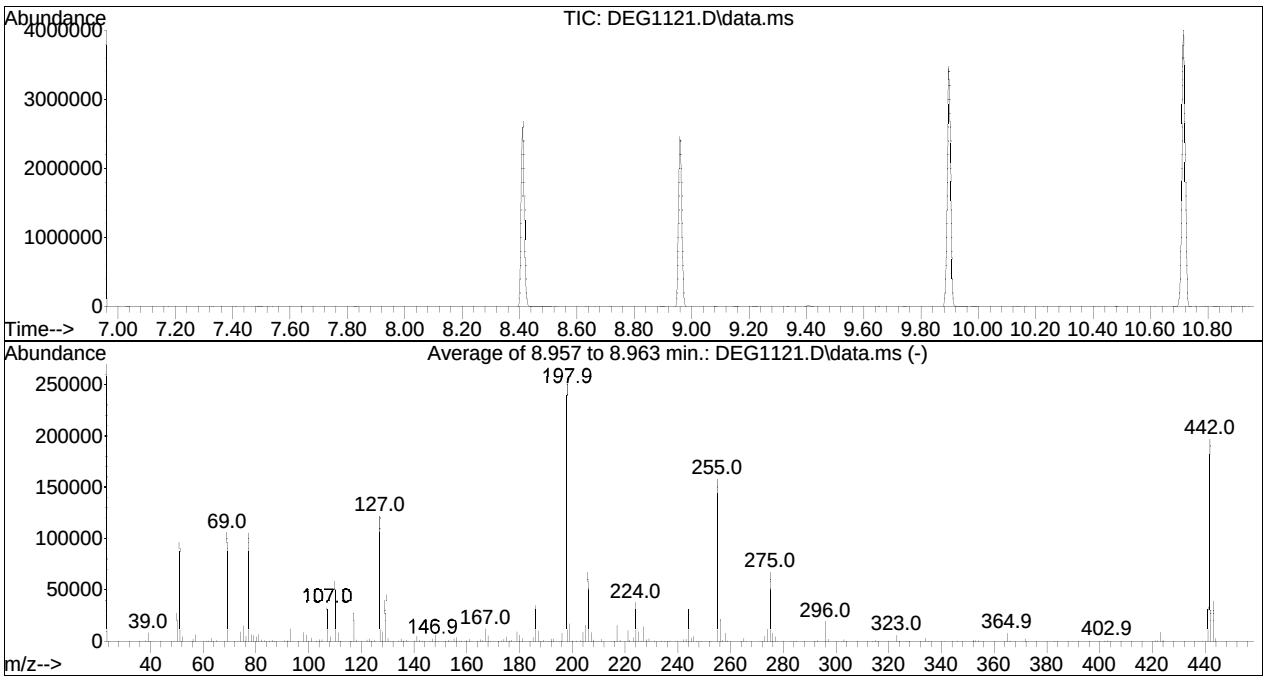
response 679361

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.77
165.10	48.70	47.84
199.10	15.80	14.33

Data Path : I:\8270\Dakota\241121RVT\
Data File : DEG1121.D
Acq On : 21 Nov 2024 8:28 pm
Operator : Dakota: ASK
Sample : WG1999667-1,32,,Degdftpp Lot # 11157
Misc : WG1999667,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Nov 21 21:35:33 2024



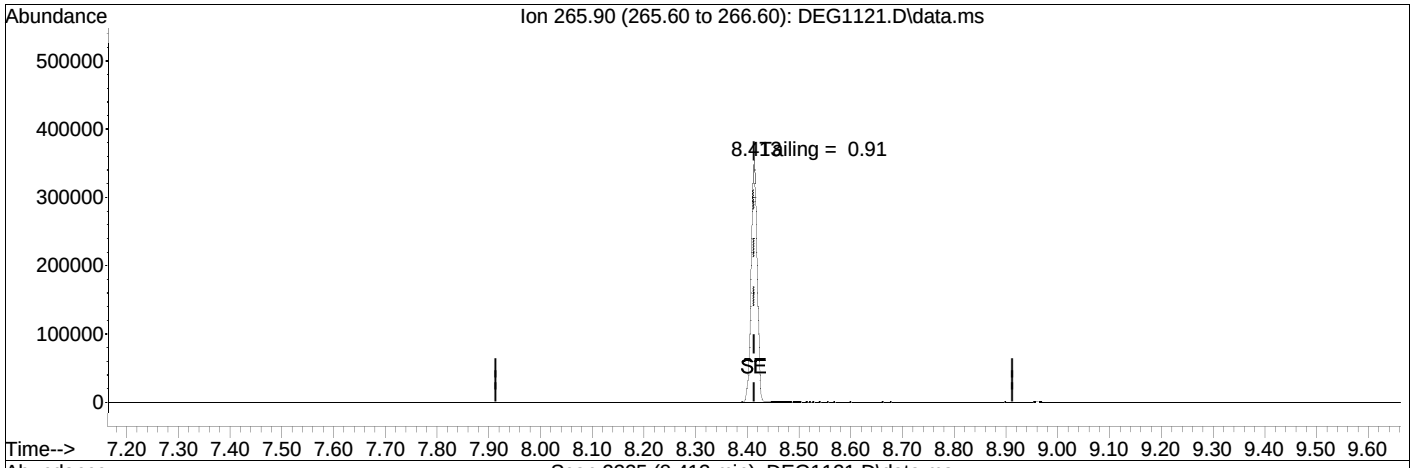
Spectrum Information: Average of 8.957 to 8.963 min.

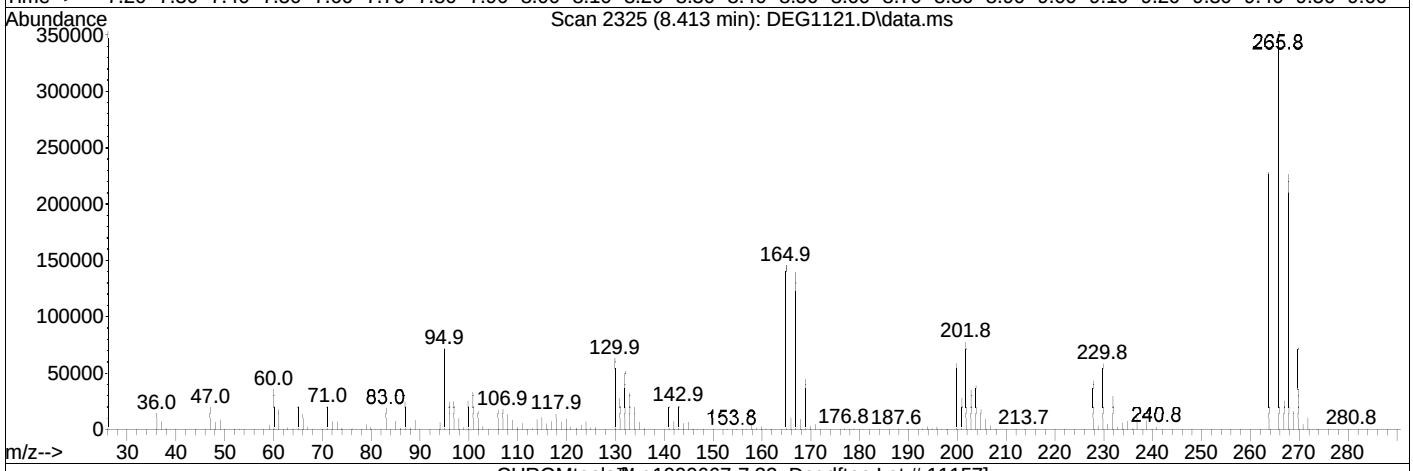
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.3	95640	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	105680	PASS
70	69	0.00	2	0.5	506	PASS
127	198	10	80	47.5	121859	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	256640	PASS
199	198	5	9	6.7	17151	PASS
275	198	10	60	26.2	67213	PASS
365	198	1	100	3.2	8164	PASS
441	442	0.01	24	17.2	33744	PASS
442	198	50	100	76.6	196672	PASS
443	442	15	24	19.7	38795	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241121RVT\
Data File : DEG1121.D
Acq On : 21 Nov 2024 8:28 pm
Operator : Dakota:smz
Sample : wg1999667-7,32,,Degdftpp Lot # 11157
Misc : wg1999667,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 21 20:48:46 2024
Quant Method : I:\8270\Dakota\241121RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 20:50:00 2024
Response via : Initial Calibration





CHROMtools [wg1999667-7,32,,Degdftpp Lot # 11157]

(1) Pentachlorophenol (T)

8.413min (+ 0.000) 128.48

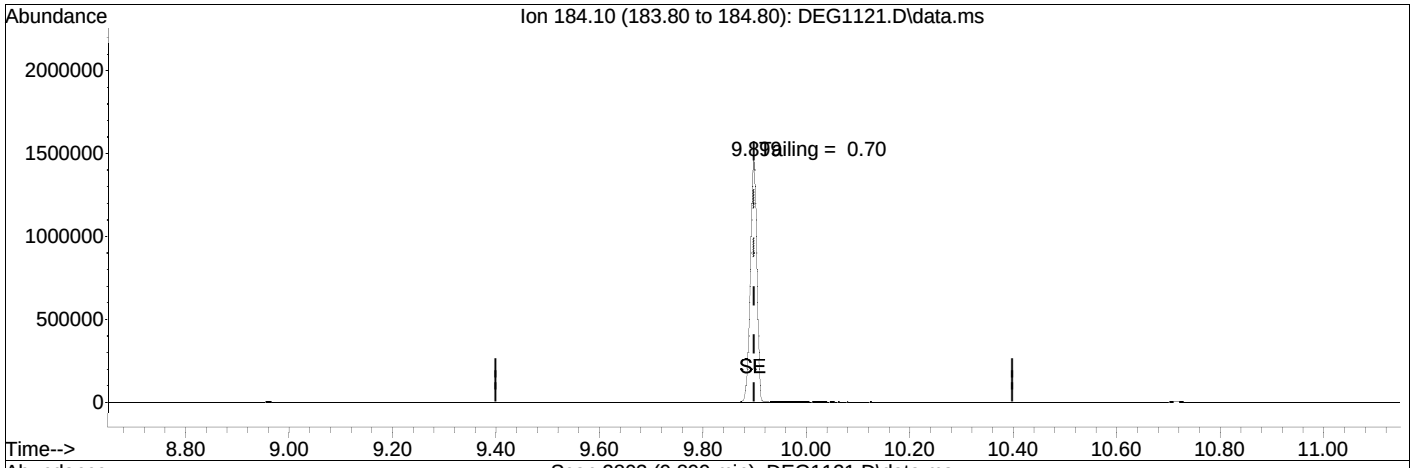
response 269852

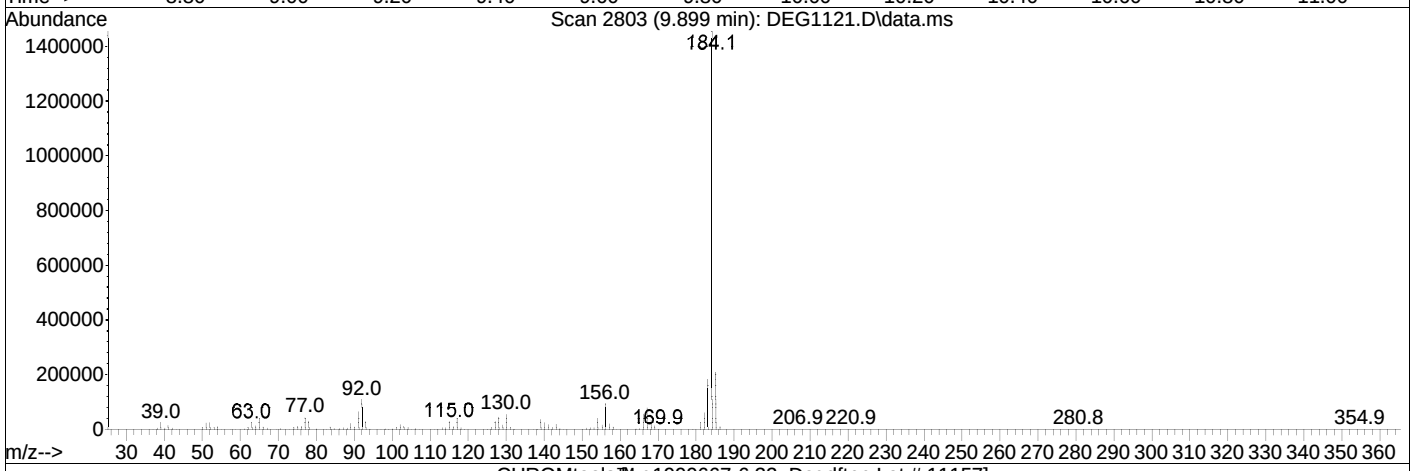
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241121RVT\
Data File : DEG1121.D
Acq On : 21 Nov 2024 8:28 pm
Operator : Dakota:smz
Sample : wg1999667-6,32,,Degdftpp Lot # 11157
Misc : wg1999667,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 21 20:48:46 2024
Quant Method : I:\8270\Dakota\241121RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 20:50:00 2024
Response via : Initial Calibration





CHROMtools [wg1999667-6,32,,Degdftpp Lot # 11157]

(3) Benzidine (T)

9.899min (-0.000) 120.76

response 1229310

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : 999910-1.D
Acq On : 21 Nov 2024 12:28 am
Operator : SV112:smz
Sample : WG1999910-1,32,,ASK
Misc : WG1999664,WG1999910,ical21241
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 22 10:13:42 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:26:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241120NRVT\ABN1120n.D
: 2 - I:\8270\SV112\241120NRVT\ADP1120n.D
: 3 - I:\8270\SV112\241120NRVT\AP91120n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.752	152	16207	4.000	ug/ml		0.00
Standard Area 1 = 17736			Recovery = 91.38%				
27) IS2_1,4-Dichlorobenzen...	4.752	152	16207	4.000	ug/ml		0.00
Standard Area 3 = 20403			Recovery = 79.43%				
32) IS3_1,4-Dichlorobenzen...	4.752	152	16207	4.000	ug/ml		0.00
Standard Area 2 = 22430			Recovery = 72.26%				
35) IS1_Naphthalene-d8	5.987	136	59361	4.000	ug/ml		0.00
Standard Area 1 = 64272			Recovery = 92.36%				
55) IS2_Naphthalene-d8	5.987	136	59361	4.000	ug/ml		0.00
Standard Area 3 = 70453			Recovery = 84.26%				
63) IS1_Acenaphthene-d10	7.687	164	34757	4.000	ug/ml		0.00
Standard Area 1 = 39047			Recovery = 89.01%				
83) IS2_Acenaphthene-d10	7.687	164	34757	4.000	ug/ml		0.00
Standard Area 3 = 39070			Recovery = 88.96%				
86) IS3_Acenaphthene-d10	7.687	164	34757	4.000	ug/ml		0.00
Standard Area 2 = 44935			Recovery = 77.35%				
88) IS1_Phenanthrene-d10	9.116	188	70819	4.000	ug/ml	#	0.00
Standard Area 1 = 83673			Recovery = 84.64%				
100) IS3_Phenanthrene-d10	9.116	188	70819	4.000	ug/ml	#	0.00
Standard Area 2 = 99594			Recovery = 71.11%				
104) IS1_Chrysene-d12	11.746	240	75345	4.000	ug/ml	#	0.00
Standard Area 1 = 83909			Recovery = 89.79%				
113) IS1_Perylene-d12	13.210	264	83131	4.000	ug/ml		0.00
Standard Area 1 = 98870			Recovery = 84.08%				
System Monitoring Compounds							
4) 2-Fluorophenol	3.493	112	5450	1.281	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 64.05%				
7) Phenol-d6	4.428	99	4676	0.851	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.55%				
19) Nitrobenzene-d5	5.293	82	4356	0.831	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 83.10%				
46) 2-Fluorobiphenyl	7.052	172	9654	0.719	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.90%				
79) 2,4,6-Tribromophenol	8.446	330	3332	1.493	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 74.65%				

Data Path : I:\8270\SV112\241120NRVT\
Data File : 999910-1.D
Acq On : 21 Nov 2024 12:28 am
Operator : SV112:smz
Sample : WG1999910-1,32,,ASK
Misc : WG1999664,WG1999910,ical21241
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 22 10:13:42 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:26:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241120NRVT\ABN1120n.D
: 2 - I:\8270\SV112\241120NRVT\ADP1120n.D
: 3 - I:\8270\SV112\241120NRVT\AP91120n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.693	244	15385	0.845	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 84.50%

Target Compounds			Qvalue
36) Naphthalene	0.000	0	N.D.
52) Acenaphthylene	0.000	0	N.D.
65) Acenaphthene	0.000	0	N.D.
73) Fluorene	0.000	0	N.D.
89) Phenanthrene	0.000	0	N.D.
90) Anthracene	0.000	0	N.D.
93) Fluoranthene	0.000	0	N.D.
95) Pyrene	0.000	0	N.D.
105) Benzo(a)anthracene	0.000	0	N.D.
107) Chrysene	0.000	0	N.D.
110) Benzo(b)fluoranthene	0.000	0	N.D.
111) Benzo(k)fluoranthene	0.000	0	N.D.
112) Benzo(a)pyrene	0.000	0	N.D.
114) Indeno(1,2,3-cd)pyrene	0.000	0	N.D.
115) Dibenzo(a,h)anthracene	0.000	0	N.D.
116) Benzo(ghi)perylene	0.000	0	N.D.

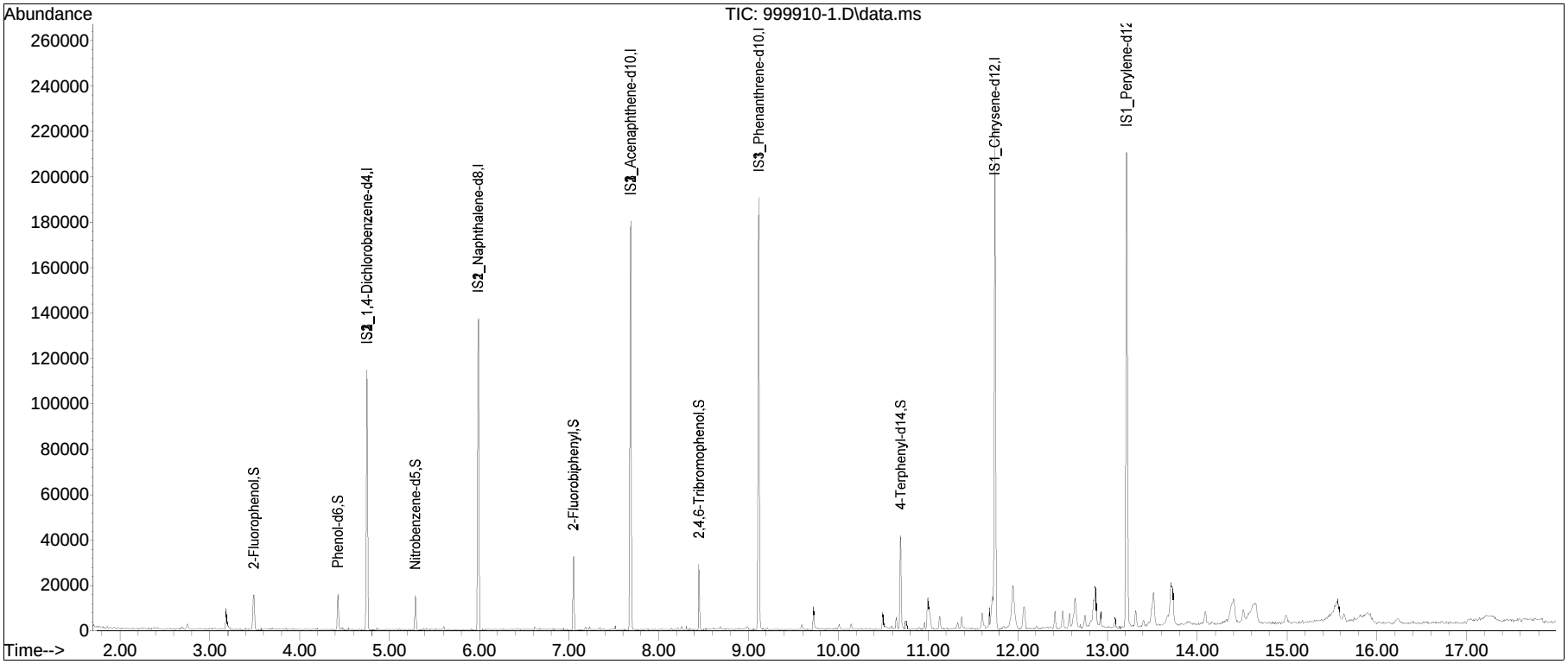
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : 999910-1.D
Acq On : 21 Nov 2024 12:28 am
Operator : SV112:smz
Sample : WG1999910-1,32,,ASK
Misc : WG1999664,WG1999910,ical21241
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 22 10:13:42 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:26:01 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MANRVT\AP91120n.D•



Manual Integration Report

Data Path	: I:\8270\SV112\241120NRVT\	QMethod	: FS240625SV112RVT.m
Data File	: 999910-1.D	Operator	: SV112:smz
Date Inj'd	: 11/21/2024 12:28 am	Instrument	: SV112
Sample	: WG1999910-1,32,,ASK	Quant Date	: 11/21/2024 0:46 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-1.D
Acq On : 21 Nov 2024 10:03 pm
Operator : Dakota:smz
Sample : WG2000366-1,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 22 09:23:20 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.227	152	27960	4.000	ug/ml		0.00
Standard Area 1 = 36625			Recovery = 76.34%				
27) IS2_1,4-Dichlorobenzen...	4.227	152	27960	4.000	ug/ml		0.00
Standard Area 3 = 21746			Recovery = 128.58%				
32) IS3_1,4-Dichlorobenzen...	4.227	152	27960	4.000	ug/ml		0.00
Standard Area 2 = 21708			Recovery = 128.80%				
37) IS1_Naphthalene-d8	5.467	136	102262	4.000	ug/ml	#	0.00
Standard Area 1 = 133133			Recovery = 76.81%				
57) IS2_Naphthalene-d8	5.467	136	102262	4.000	ug/ml	#	0.00
Standard Area 3 = 81204			Recovery = 125.93%				
65) IS1_Acenaphthene-d10	7.158	164	64198	4.000	ug/ml		0.00
Standard Area 1 = 83215			Recovery = 77.15%				
85) IS2_Acenaphthene-d10	7.158	164	64198	4.000	ug/ml		0.00
Standard Area 3 = 55117			Recovery = 116.48%				
88) IS3_Acenaphthene-d10	7.158	164	64198	4.000	ug/ml		0.00
Standard Area 2 = 52036			Recovery = 123.37%				
90) IS1_Phenanthrene-d10	8.569	188	143992	4.000	ug/ml		0.00
Standard Area 1 = 172652			Recovery = 83.40%				
102) IS3_Phenanthrene-d10	8.569	188	143992	4.000	ug/ml		0.00
Standard Area 2 = 118647			Recovery = 121.36%				
106) IS1_Chrysene-d12	11.133	240	171566	4.000	ug/ml		0.00
Standard Area 1 = 200340			Recovery = 85.64%				
115) IS1_Perylene-d12	12.550	264	205450	4.000	ug/ml		0.00
Standard Area 1 = 248466			Recovery = 82.69%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.928	112	5636	0.784	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 39.20%				
7) Phenol-d6	3.931	99	4811	0.523	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.15%				
19) Nitrobenzene-d5	4.783	82	4509	0.540	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 54.00%				
48) 2-Fluorobiphenyl	6.539	172	14441	0.571	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 57.10%				
81) 2,4,6-Tribromophenol	7.916	330	5515	1.202	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 60.10%				

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-1.D
Acq On : 21 Nov 2024 10:03 pm
Operator : Dakota:smz
Sample : WG2000366-1,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 22 09:23:20 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.138	244	29361	0.705	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 70.50%

Target Compounds				Qvalue
38) Naphthalene	0.000	0	N.D.	
54) Acenaphthylene	0.000	0	N.D.	
67) Acenaphthene	0.000	0	N.D.	
75) Fluorene	0.000	0	N.D.	
91) Phenanthrene	0.000	0	N.D.	
92) Anthracene	0.000	0	N.D.	
95) Fluoranthene	0.000	0	N.D.	
97) Pyrene	0.000	0	N.D.	
107) Benzo(a)anthracene	0.000	0	N.D.	
109) Chrysene	0.000	0	N.D.	
112) Benzo(b)fluoranthene	0.000	0	N.D.	
113) Benzo(k)fluoranthene	0.000	0	N.D.	
114) Benzo(a)pyrene	0.000	0	N.D. d	
116) Indeno(1,2,3-cd)pyrene	0.000	0	N.D.	
117) Dibenzo(a,h)anthracene	0.000	0	N.D.	
118) Benzo(ghi)perylene	0.000	0	N.D.	

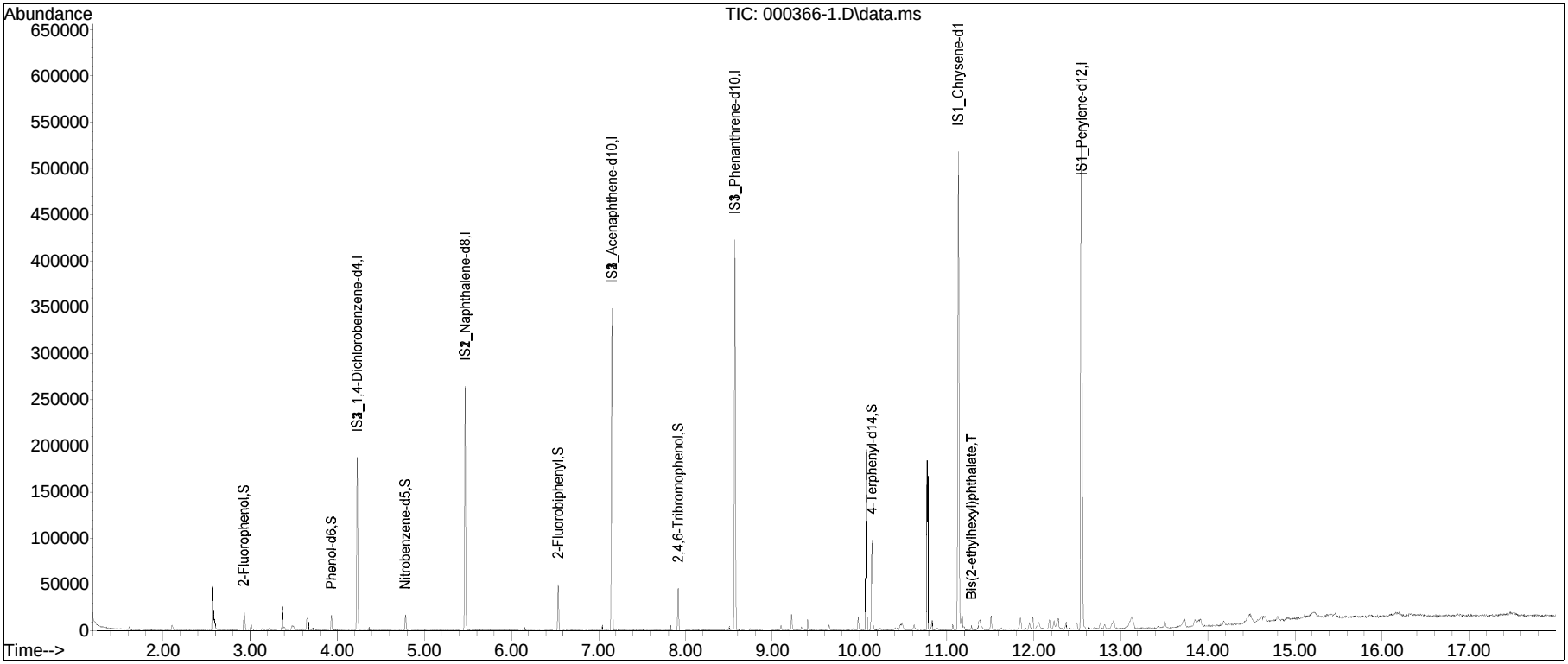
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-1.D
Acq On : 21 Nov 2024 10:03 pm
Operator : Dakota:smz
Sample : WG2000366-1,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 22 09:23:20 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA1RVT\AP91121.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241121RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 000366-1.D	Operator	: Dakota:smz
Date Inj'd	: 11/21/2024 10:03 pm	Instrument	: Dakota
Sample	: WG2000366-1,32,,ASK	Quant Date	: 11/21/2024 10:21 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : 999910-2.D
Acq On : 21 Nov 2024 12:51 am
Operator : SV112:smz
Sample : WG1999910-2,32,,ASK
Misc : WG1999664,WG1999910,ical21241
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 10:16:28 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:26:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241120NRVT\ABN1120n.D
: 2 - I:\8270\SV112\241120NRVT\ADP1120n.D
: 3 - I:\8270\SV112\241120NRVT\AP91120n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.752	152	16933	4.000	ug/ml		0.00
Standard Area 1 = 17736			Recovery = 95.47%				
27) IS2_1,4-Dichlorobenzen...	4.752	152	16933	4.000	ug/ml		0.00
Standard Area 3 = 20403			Recovery = 82.99%				
32) IS3_1,4-Dichlorobenzen...	4.752	152	16933	4.000	ug/ml		0.00
Standard Area 2 = 22430			Recovery = 75.49%				
35) IS1_Naphthalene-d8	5.987	136	61519	4.000	ug/ml		0.00
Standard Area 1 = 64272			Recovery = 95.72%				
55) IS2_Naphthalene-d8	5.987	136	61519	4.000	ug/ml		0.00
Standard Area 3 = 70453			Recovery = 87.32%				
63) IS1_Acenaphthene-d10	7.687	164	37340	4.000	ug/ml		0.00
Standard Area 1 = 39047			Recovery = 95.63%				
83) IS2_Acenaphthene-d10	7.687	164	37340	4.000	ug/ml		0.00
Standard Area 3 = 39070			Recovery = 95.57%				
86) IS3_Acenaphthene-d10	7.687	164	37340	4.000	ug/ml		0.00
Standard Area 2 = 44935			Recovery = 83.10%				
88) IS1_Phenanthrene-d10	9.116	188	75015	4.000	ug/ml	#	0.00
Standard Area 1 = 83673			Recovery = 89.65%				
100) IS3_Phenanthrene-d10	9.116	188	75015	4.000	ug/ml	#	0.00
Standard Area 2 = 99594			Recovery = 75.32%				
104) IS1_Chrysene-d12	11.745	240	78941	4.000	ug/ml	#	0.00
Standard Area 1 = 83909			Recovery = 94.08%				
113) IS1_Perylene-d12	13.210	264	89096	4.000	ug/ml		0.00
Standard Area 1 = 98870			Recovery = 90.11%				
System Monitoring Compounds							
4) 2-Fluorophenol	3.493	112	5412	1.217	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 60.85%				
7) Phenol-d6	4.428	99	5135	0.894	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 44.70%				
19) Nitrobenzene-d5	5.293	82	4712	0.860	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 86.00%				
46) 2-Fluorobiphenyl	7.051	172	10354	0.744	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.40%				
79) 2,4,6-Tribromophenol	8.446	330	4073	1.699	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 84.95%				

Data Path : I:\8270\SV112\241120NRVT\
Data File : 999910-2.D
Acq On : 21 Nov 2024 12:51 am
Operator : SV112:smz
Sample : WG1999910-2,32,,ASK
Misc : WG1999664,WG1999910,ical21241
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 10:16:28 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:26:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241120NRVT\ABN1120n.D
: 2 - I:\8270\SV112\241120NRVT\ADP1120n.D
: 3 - I:\8270\SV112\241120NRVT\AP91120n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.692	244	17041	0.883	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 88.30%

Target Compounds						Qvalue
36) Naphthalene	6.004	128	23127	1.434	ug/ml	98
52) Acenaphthylene	7.546	152	26268	1.525	ug/ml	99
65) Acenaphthene	7.716	154	16338	1.570	ug/ml	96
73) Fluorene	8.216	166	21763	1.630	ug/ml	100
89) Phenanthrene	9.140	178	35809	1.805	ug/ml	99
90) Anthracene	9.187	178	35315	1.819	ug/ml	99
93) Fluoranthene	10.287	202	42851	1.861	ug/ml#	94
95) Pyrene	10.504	202	45725	1.874	ug/ml	99
105) Benzo(a)anthracene	11.734	228	47391	1.870	ug/ml	100
107) Chrysene	11.775	228	44309	1.783	ug/ml	99
110) Benzo(b)fluoranthene	12.839	252	49556	1.906	ug/ml#	93
111) Benzo(k)fluoranthene	12.869	252	41432M3	1.746	ug/ml	
112) Benzo(a)pyrene	13.157	252	43110M3	1.901	ug/ml	
114) Indeno(1,2,3-cd)pyrene	14.192	276	48082M6	1.930	ug/mL	
115) Dibenzo(a,h)anthracene	14.222	278	45616	1.917	ug/ml#	92
116) Benzo(ghi)perylene	14.451	276	44903	1.870	ug/ml#	92

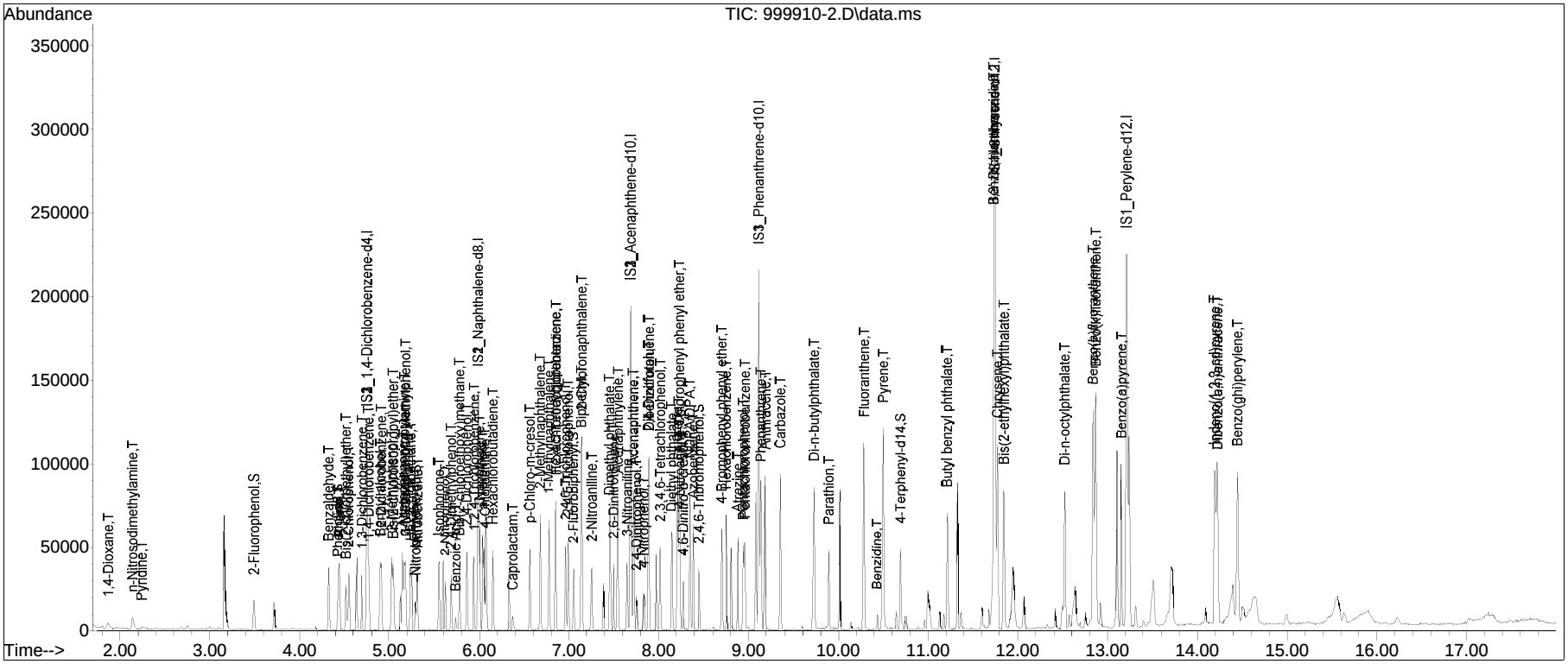
(#) = qualifier out of range (m) = manual integration (+) = signals summed

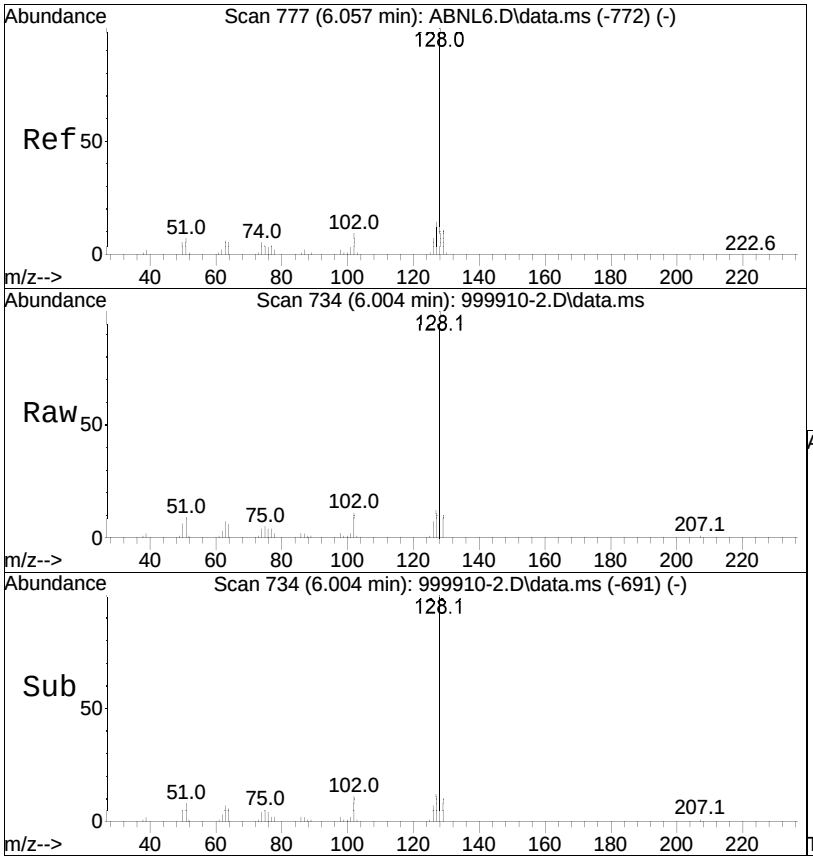
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : 999910-2.D
Acq On : 21 Nov 2024 12:51 am
Operator : SV112:smz
Sample : WG1999910-2,32,,ASK
Misc : WG1999664,WG1999910,ical21241
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 10:16:28 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:26:01 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MANRVT\AP91120n.D•

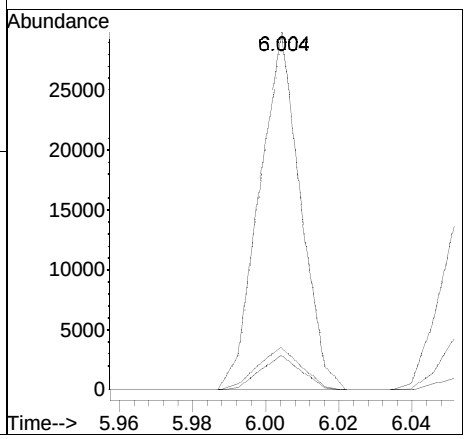


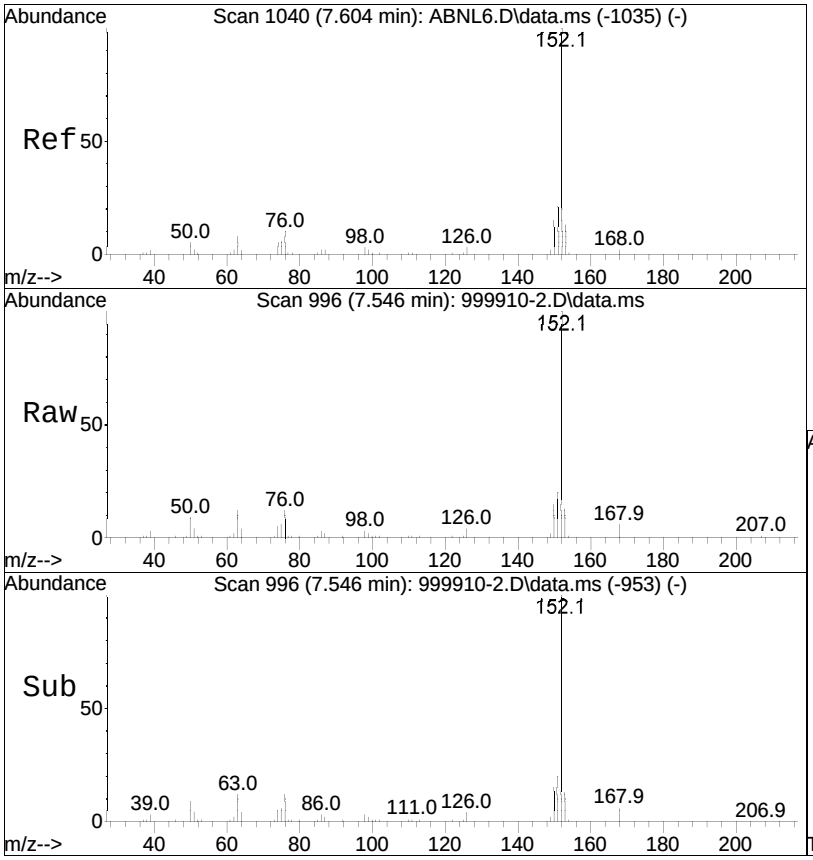


#36
Naphthalene
Concen: 1.43 ug/ml
RT: 6.004 min Scan# 734
Delta R.T. 0.000 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:128 Resp: 23127

Ion	Ratio	Lower	Upper
128	100		
129	9.7	8.9	13.3
127	12.7	10.6	15.8

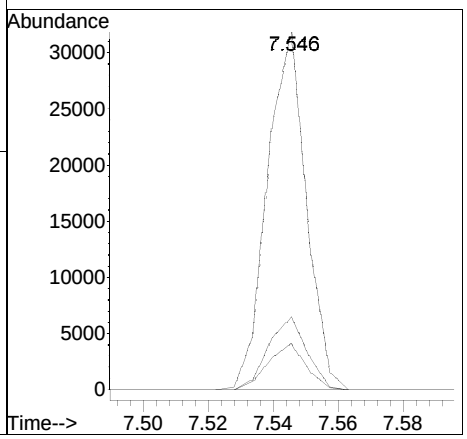


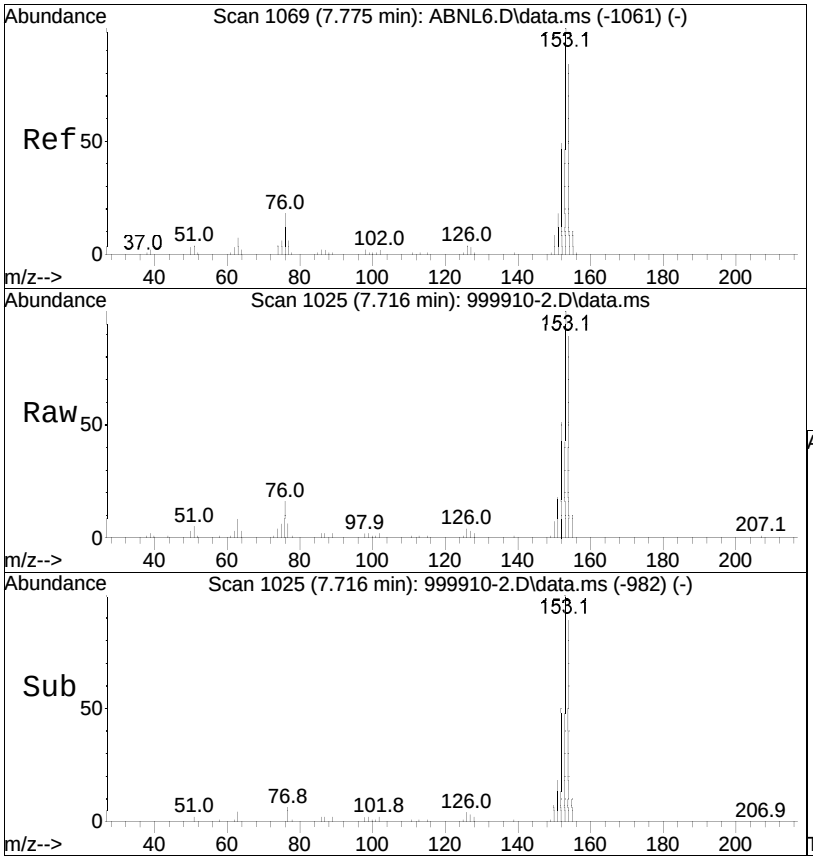


#52
Acenaphthylene
Concen: 1.53 ug/ml
RT: 7.546 min Scan# 996
Delta R.T. 0.000 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:152 Resp: 26268

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9
153	12.8	10.5	15.7

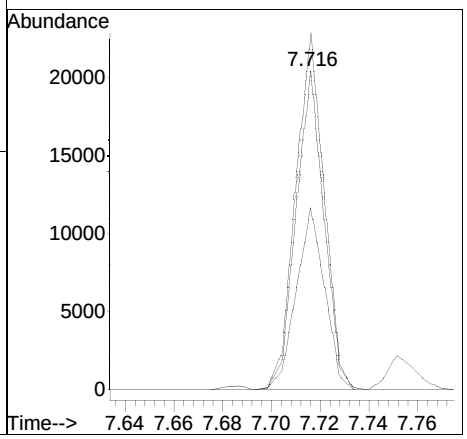


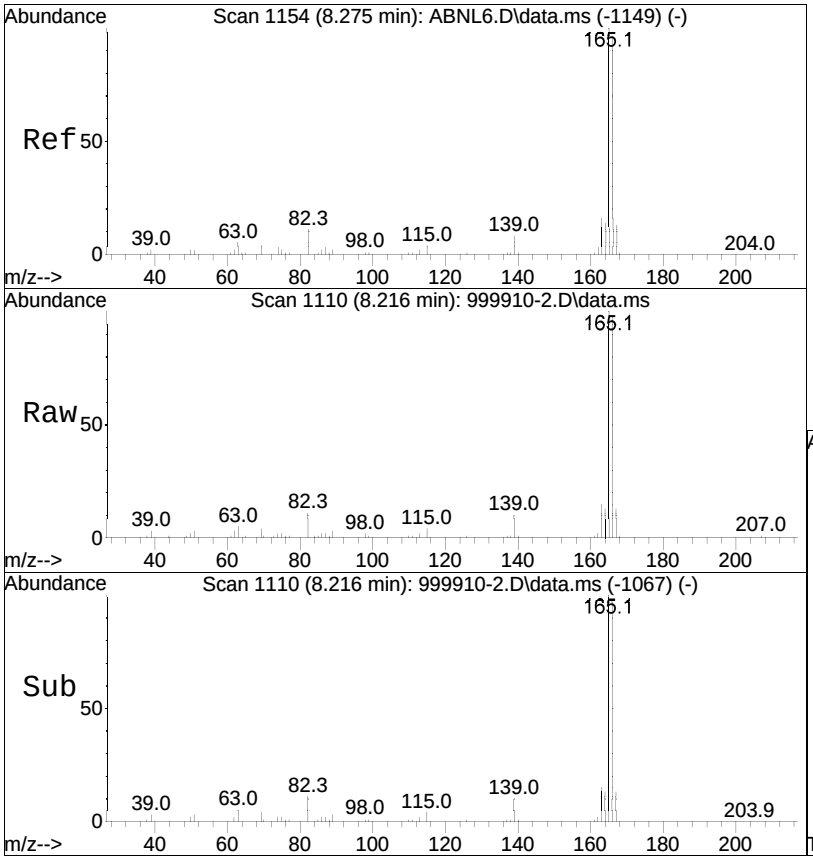


#65
Acenaphthene
Concen: 1.57 ug/ml
RT: 7.716 min Scan# 1025
Delta R.T. 0.000 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:154 Resp: 16338

Ion	Ratio	Lower	Upper
154	100		
153	113.2	93.0	139.4
152	57.8	43.3	64.9

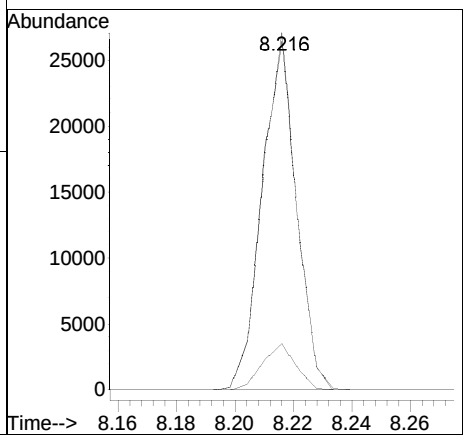


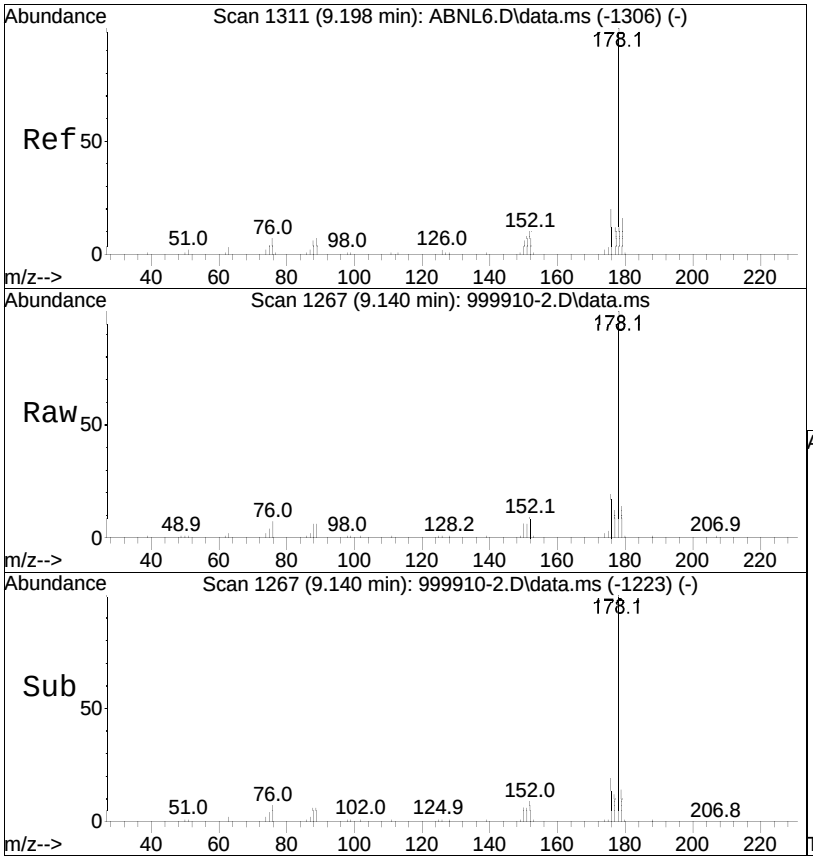


#73
Fluorene
Concen: 1.63 ug/ml
RT: 8.216 min Scan# 1110
Delta R.T. 0.000 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:166 Resp: 21763

Ion	Ratio	Lower	Upper
166	100		
165	99.8	80.0	120.0
167	12.8	10.7	16.1

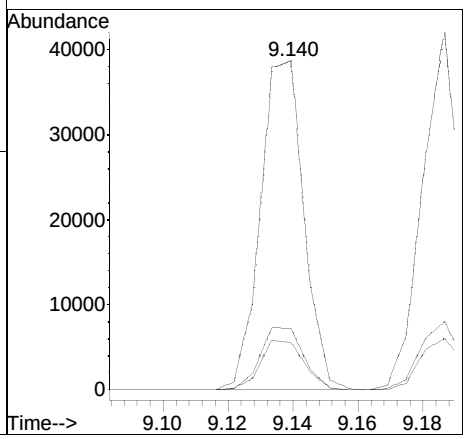


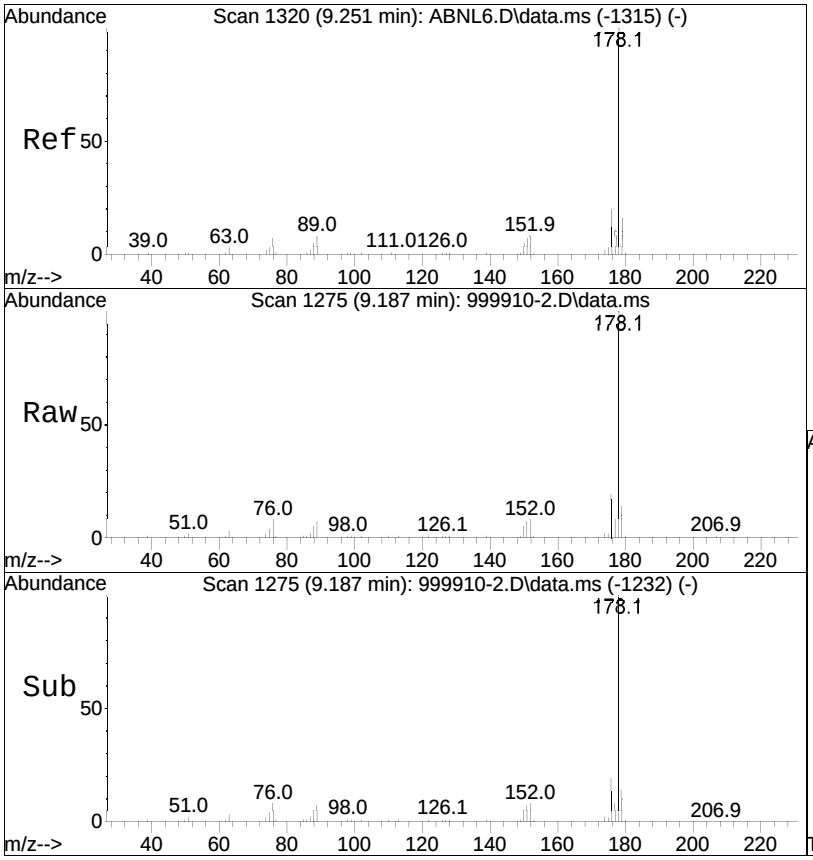


#89
Phenanthrene
Concen: 1.80 ug/ml
RT: 9.140 min Scan# 1267
Delta R.T. 0.006 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:178 Resp: 35809

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.3	18.5
176	19.0	15.4	23.2

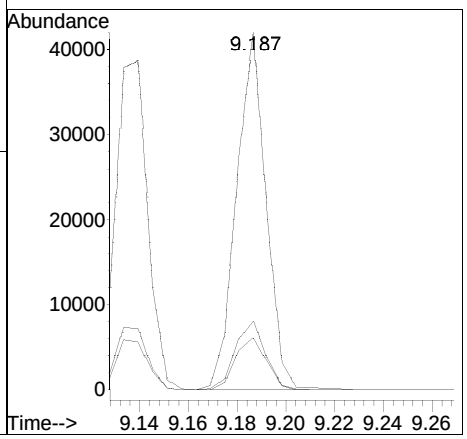


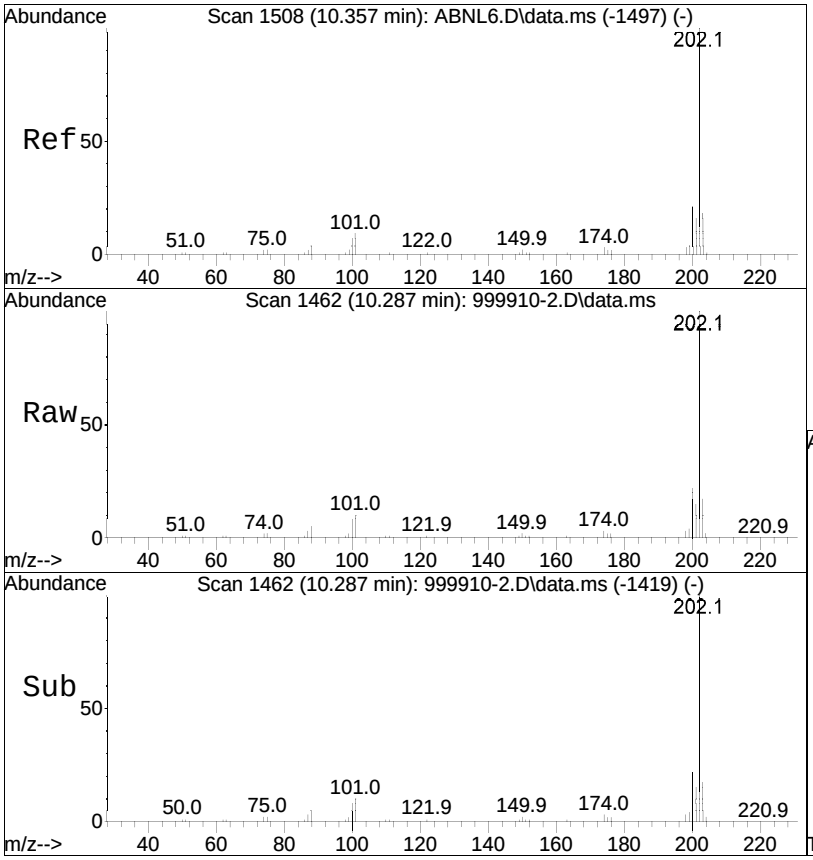


#90
Anthracene
Concen: 1.82 ug/ml
RT: 9.187 min Scan# 1275
Delta R.T. 0.000 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:178 Resp: 35315

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2
176	19.7	15.1	22.7

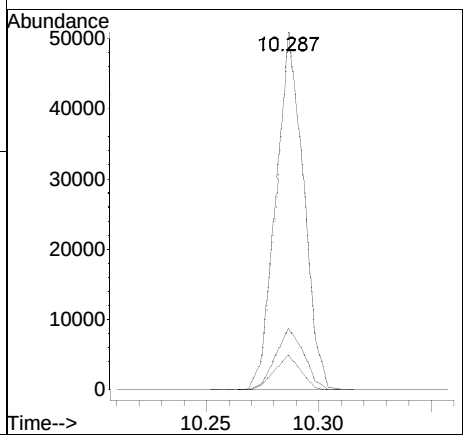


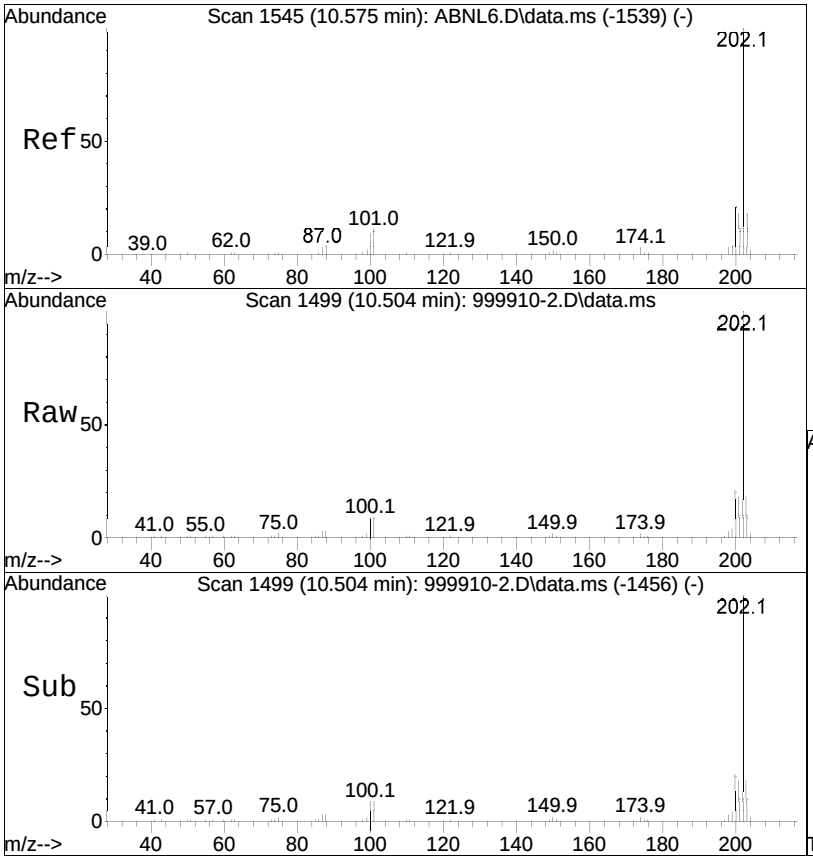


#93
Fluoranthene
Concen: 1.86 ug/ml
RT: 10.287 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:202 Resp: 42851

Ion	Ratio	Lower	Upper
202	100		
101	9.4	11.2	16.8#
203	17.9	13.7	20.5

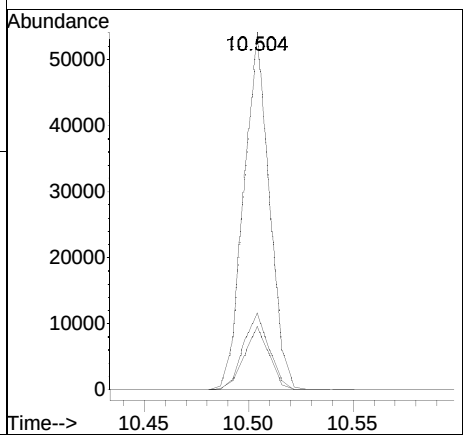


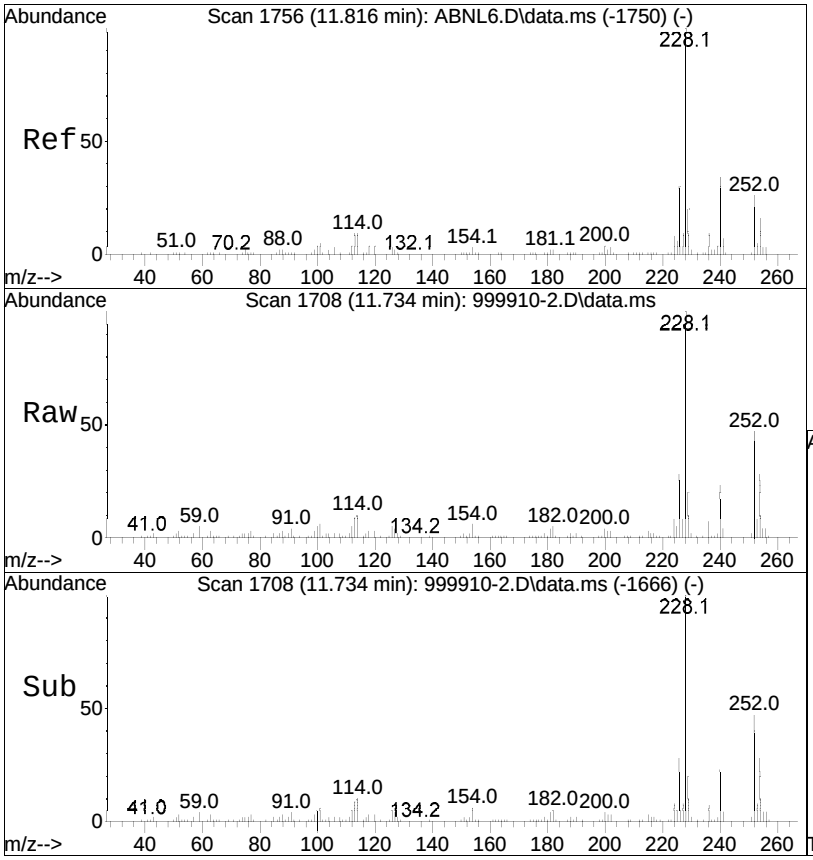


#95
Pyrene
Concen: 1.87 ug/ml
RT: 10.504 min Scan# 1499
Delta R.T. 0.000 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:202 Resp: 45725

Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.9	25.3
203	17.5	14.3	21.5

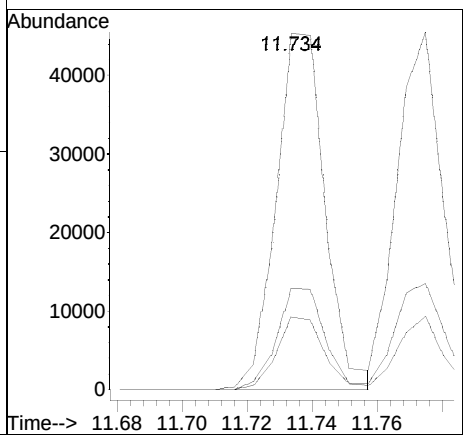


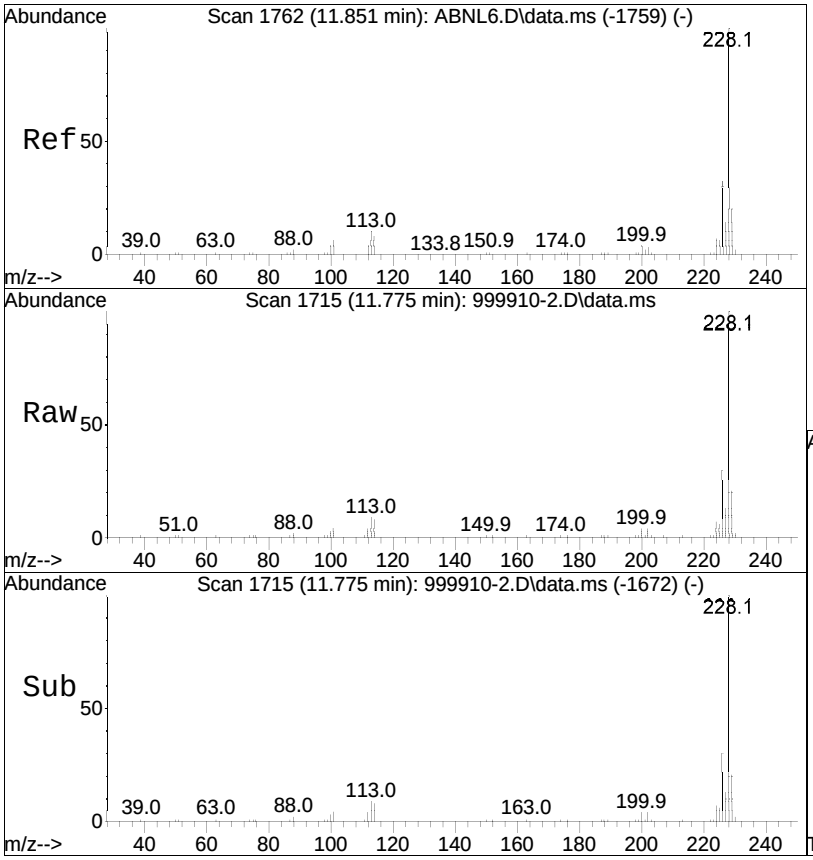


#105
Benzo(a)anthracene
Concen: 1.87 ug/ml
RT: 11.734 min Scan# 1708
Delta R.T. -0.006 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:228 Resp: 47391

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	34.0
229	20.0	15.8	23.6

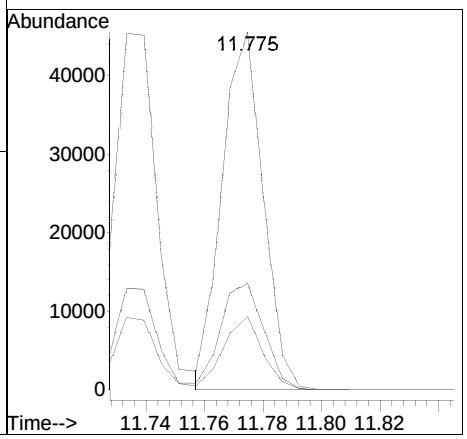


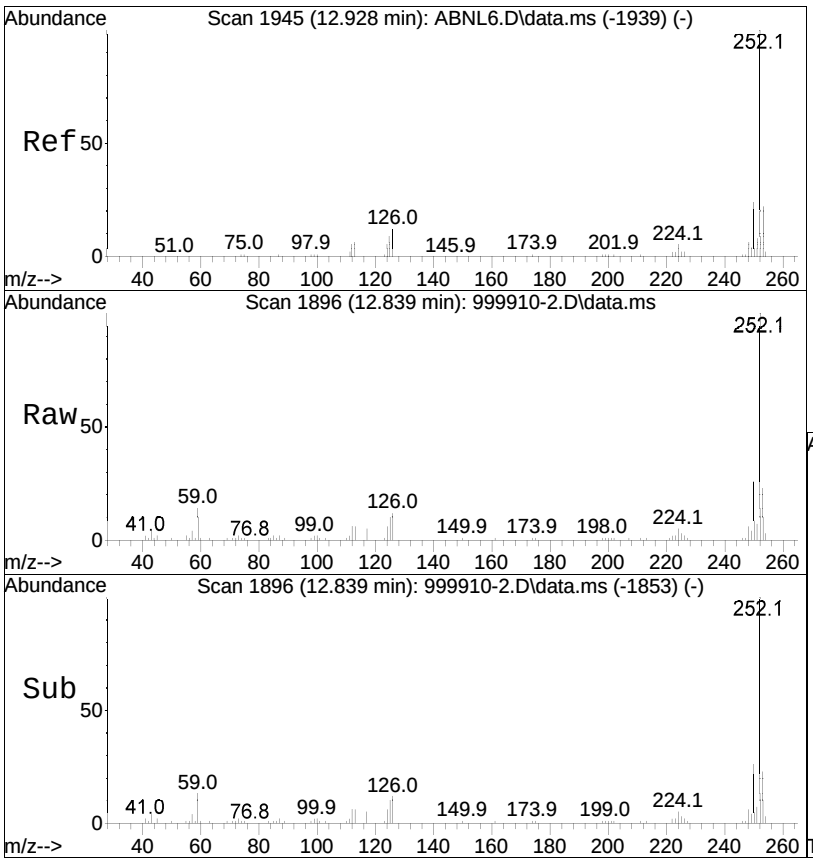


#107
Chrysene
Concen: 1.78 ug/ml
RT: 11.775 min Scan# 1715
Delta R.T. 0.000 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:228 Resp: 44309

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.7	37.1
229	19.7	15.5	23.3

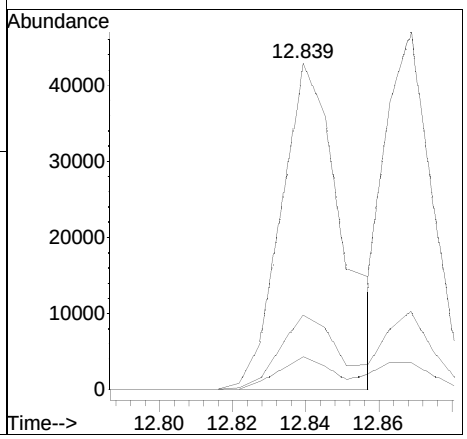


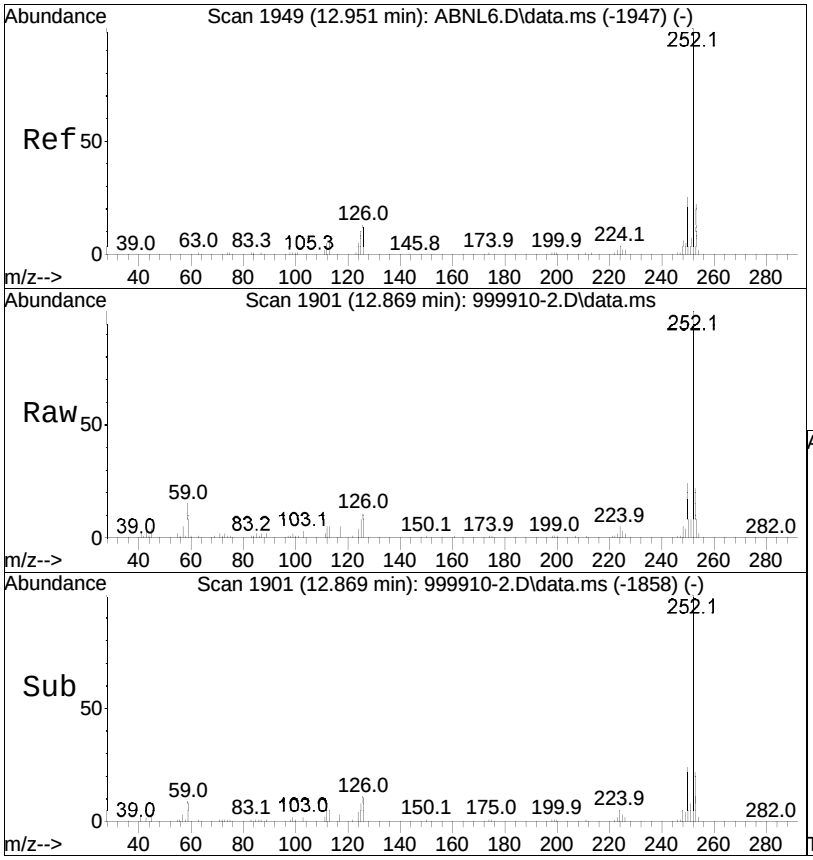


#110
Benzo(b)fluoranthene
Concen: 1.91 ug/ml
RT: 12.839 min Scan# 1896
Delta R.T. 0.000 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:252 Resp: 49556

Ion	Ratio	Lower	Upper
252	100		
125	8.8	11.3	16.9#
253	20.4	17.8	26.8

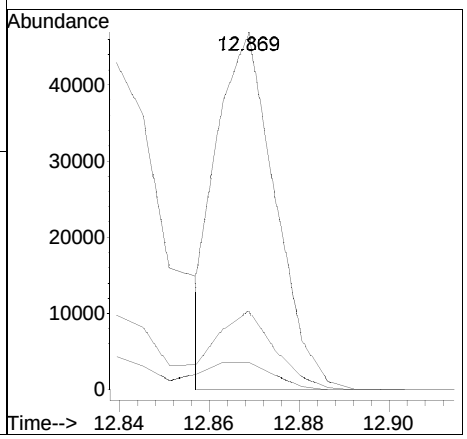


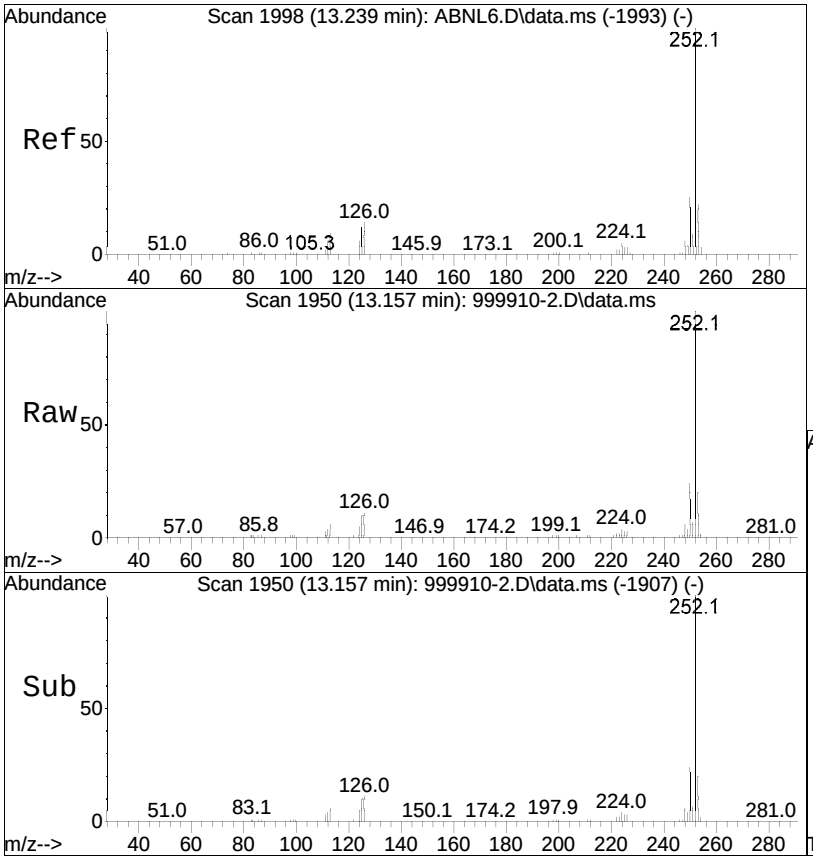


#111
Benzo(k)fluoranthene
Concen: 1.75 ug/ml M3
RT: 12.869 min Scan# 1901
Delta R.T. 0.000 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:252 Resp: 41432

Ion	Ratio	Lower	Upper
252	100		
125	10.5	11.5	17.3#
253	24.5	17.6	26.4

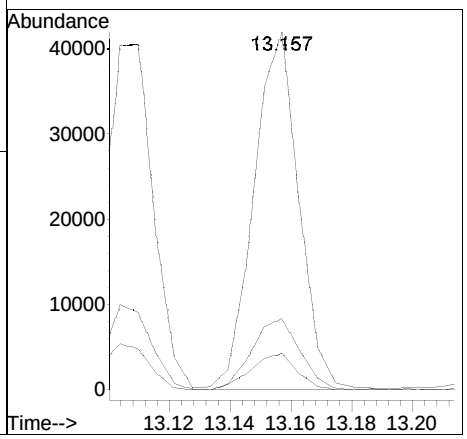


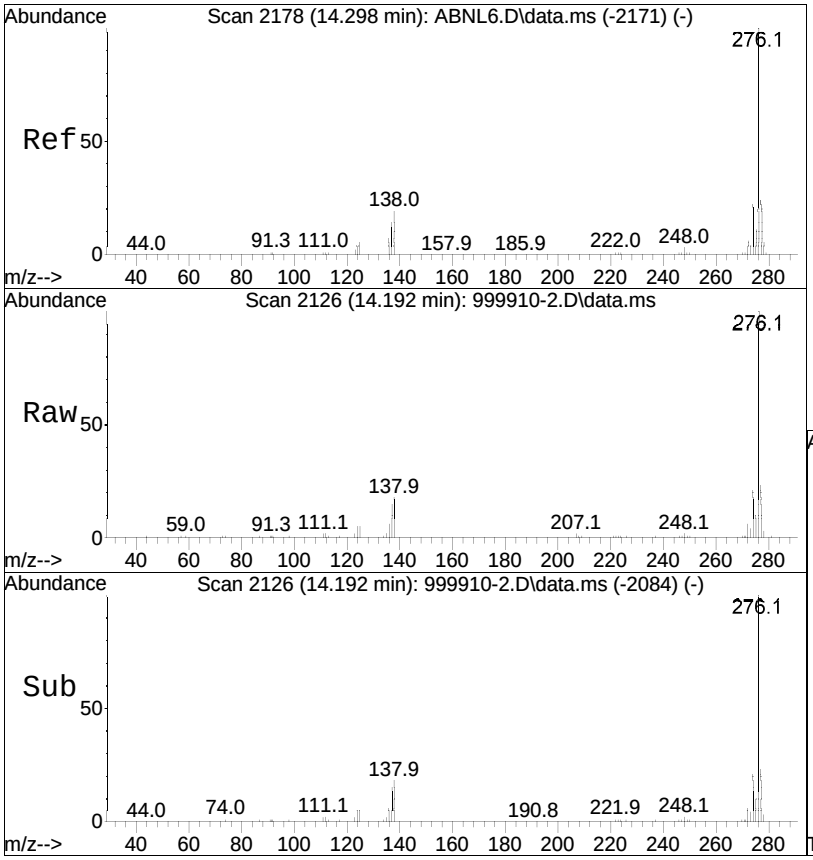


#112
Benzo(a)pyrene
Concen: 1.90 ug/ml M3
RT: 13.157 min Scan# 1950
Delta R.T. 0.000 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:252 Resp: 43110

Ion	Ratio	Lower	Upper
252	100		
125	13.4	12.6	18.8
253	23.9	17.5	26.3

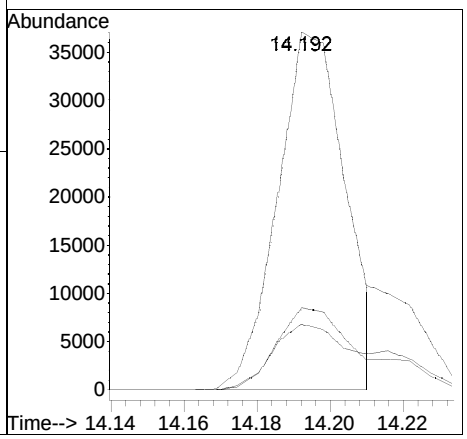


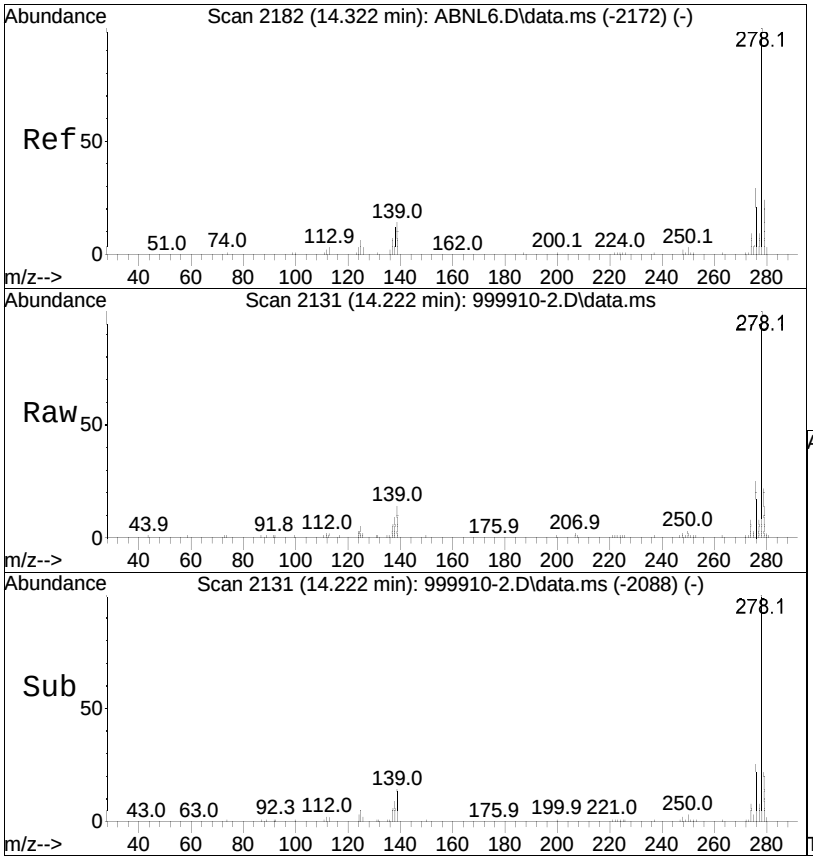


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.93 ug/mL M6
RT: 14.192 min Scan# 2126
Delta R.T. -0.006 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:276 Resp: 48082

Ion	Ratio	Lower	Upper
276	100		
138	28.5	22.1	33.1
277	29.7	19.0	28.6#

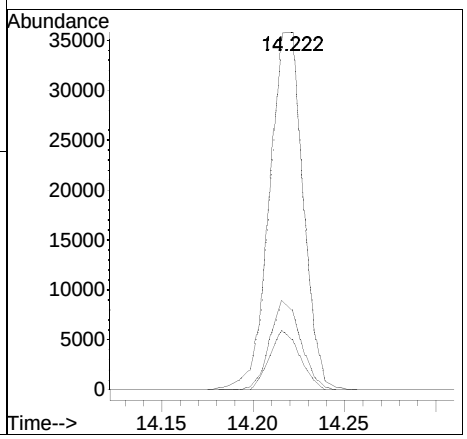


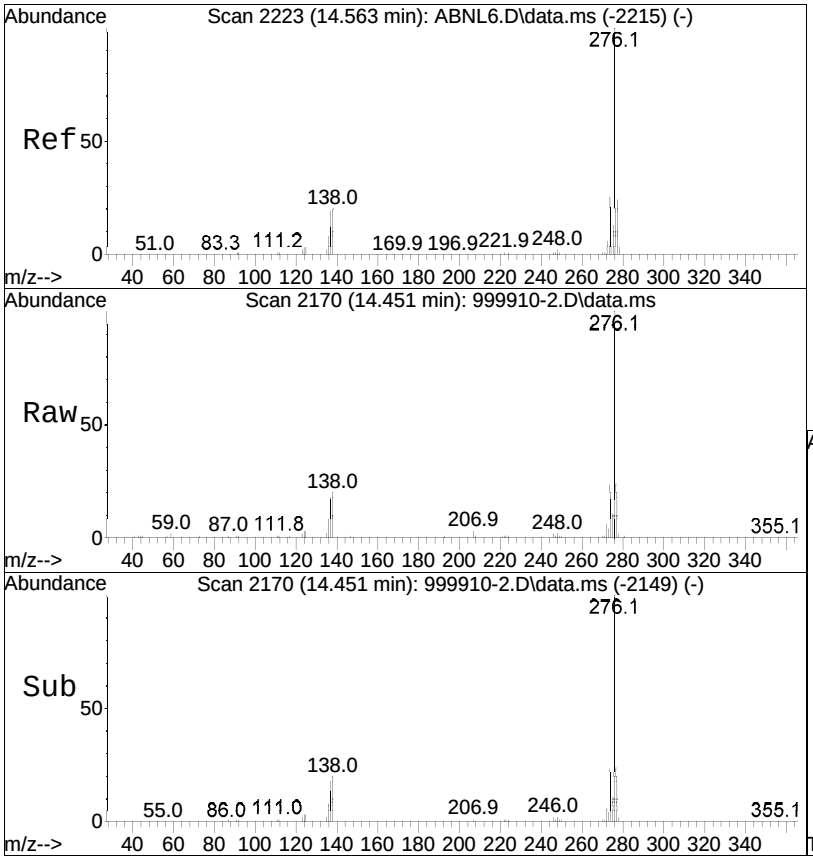


#115
Dibenzo(a,h)anthracene
Concen: 1.92 ug/ml
RT: 14.222 min Scan# 2131
Delta R.T. 0.000 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:278 Resp: 45616

Ion	Ratio	Lower	Upper
278	100		
139	15.1	17.8	26.8#
279	23.0	19.2	28.8

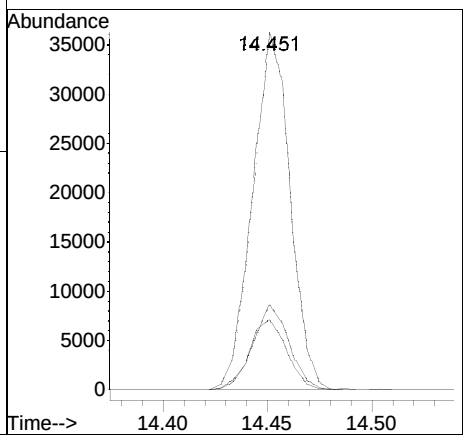




#116
Benzo(ghi)perylene
Concen: 1.87 ug/ml
RT: 14.451 min Scan# 2170
Delta R.T. 0.000 min
Lab File: 999910-2.D
Acq: 21 Nov 2024 12:51 am

Tgt Ion:276 Resp: 44903

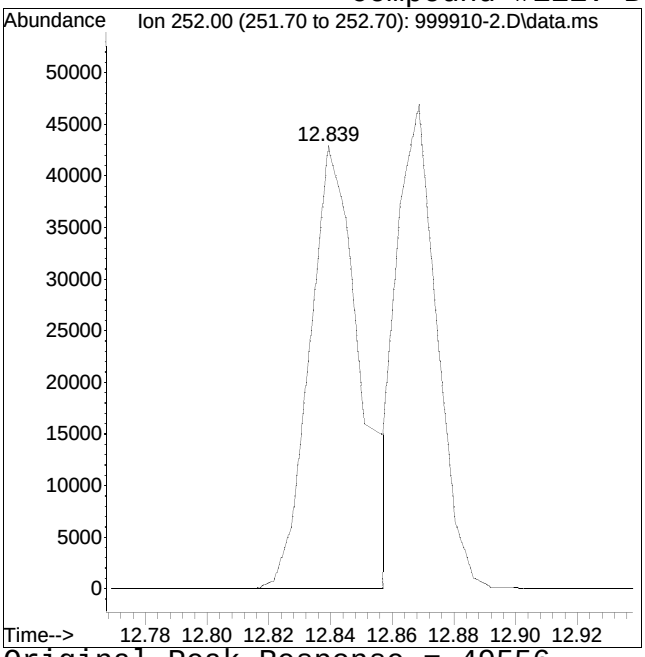
Ion	Ratio	Lower	Upper
276	100		
138	20.0	21.9	32.9#
277	23.1	18.4	27.6

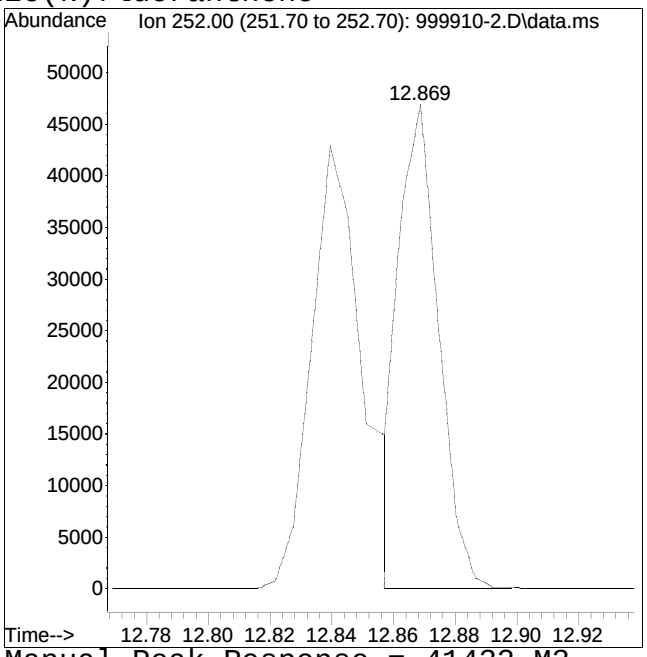


Manual Integration Report

Data Path : I:\8270\SV112\241120NRVT\ QMethod : FS240625SV112RVT.m
Data File : 999910-2.D Operator : SV112:smz
Date Inj'd : 11/21/2024 12:51 am Instrument : SV112
Sample : WG1999910-2,32,,ASK Quant Date : 11/21/2024 1:09 am

Compound #111: Benzo(k)fluoranthene



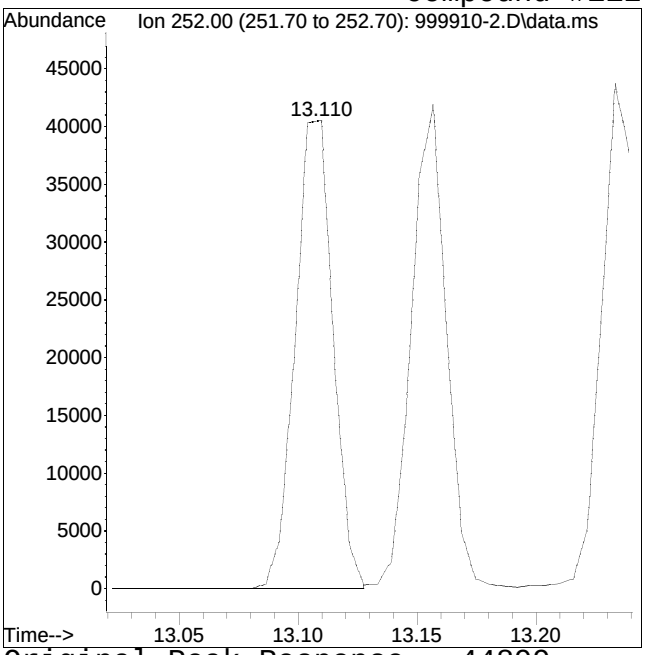


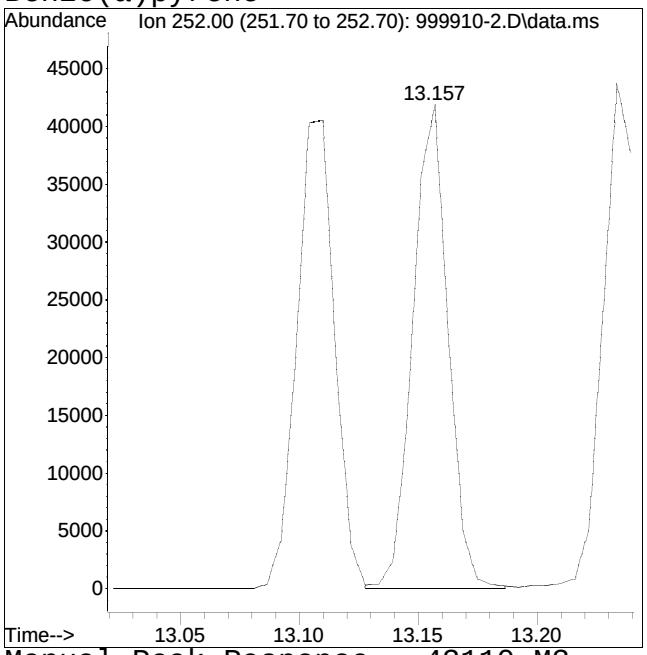
Original Peak Response = 49556 Manual Peak Response = 41432 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241120NRVT\ QMethod : FS240625SV112RVT.m
Data File : 999910-2.D Operator : SV112:smz
Date Inj'd : 11/21/2024 12:51 am Instrument : SV112
Sample : WG1999910-2,32,,ASK Quant Date : 11/21/2024 1:09 am

Compound #112: Benzo(a)pyrene





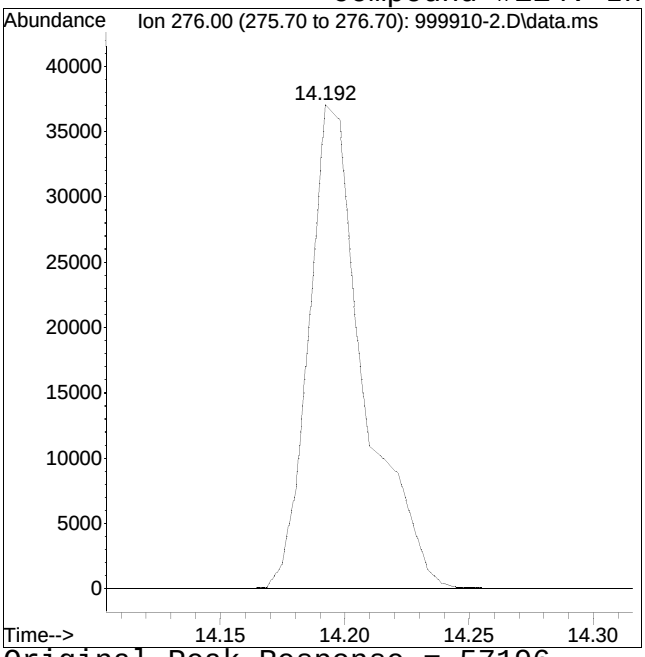
Original Peak Response = 44899 Manual Peak Response = 43110 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

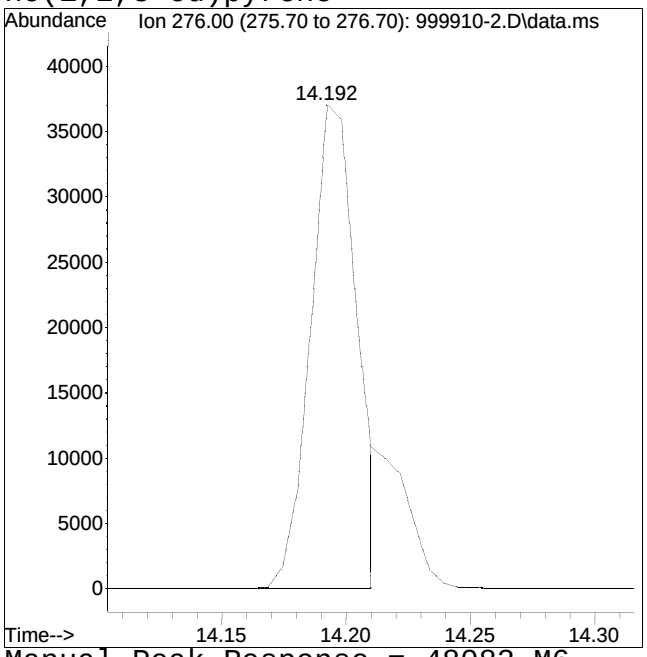
Manual Integration Report

Data Path : I:\8270\SV112\241120NRVT\ QMethod : FS240625SV112RVT.m
Data File : 999910-2.D Operator : SV112:smz
Date Inj'd : 11/21/2024 12:51 am Instrument : SV112
Sample : WG1999910-2,32,,ASK Quant Date : 11/21/2024 1:09 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 57196



Manual Peak Response = 48082 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-2.D
Acq On : 21 Nov 2024 10:26 pm
Operator : Dakota:smz
Sample : WG2000366-2,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 09:22:50 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.227	152	28342	4.000	ug/ml		0.00
Standard Area 1 = 36625			Recovery = 77.38%				
27) IS2_1,4-Dichlorobenzen...	4.227	152	28342	4.000	ug/ml		0.00
Standard Area 3 = 21746			Recovery = 130.33%				
32) IS3_1,4-Dichlorobenzen...	4.227	152	28342	4.000	ug/ml		0.00
Standard Area 2 = 21708			Recovery = 130.56%				
37) IS1_Naphthalene-d8	5.467	136	102313	4.000	ug/ml	#	0.00
Standard Area 1 = 133133			Recovery = 76.85%				
57) IS2_Naphthalene-d8	5.467	136	102313	4.000	ug/ml	#	0.00
Standard Area 3 = 81204			Recovery = 126.00%				
65) IS1_Acenaphthene-d10	7.158	164	65503	4.000	ug/ml		0.00
Standard Area 1 = 83215			Recovery = 78.72%				
85) IS2_Acenaphthene-d10	7.158	164	65503	4.000	ug/ml		0.00
Standard Area 3 = 55117			Recovery = 118.84%				
88) IS3_Acenaphthene-d10	7.158	164	65503	4.000	ug/ml		0.00
Standard Area 2 = 52036			Recovery = 125.88%				
90) IS1_Phenanthrene-d10	8.569	188	147698	4.000	ug/ml		0.00
Standard Area 1 = 172652			Recovery = 85.55%				
102) IS3_Phenanthrene-d10	8.569	188	147698	4.000	ug/ml		0.00
Standard Area 2 = 118647			Recovery = 124.49%				
106) IS1_Chrysene-d12	11.133	240	181973	4.000	ug/ml		0.00
Standard Area 1 = 200340			Recovery = 90.83%				
115) IS1_Perylene-d12	12.550	264	226587	4.000	ug/ml		0.00
Standard Area 1 = 248466			Recovery = 91.19%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.927	112	5436	0.746	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 37.30%				
7) Phenol-d6	3.928	99	4935	0.529	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.45%				
19) Nitrobenzene-d5	4.780	82	4851	0.573	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 57.30%				
48) 2-Fluorobiphenyl	6.539	172	13537	0.535	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 53.50%				
81) 2,4,6-Tribromophenol	7.913	330	6023	1.286	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 64.30%				

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-2.D
Acq On : 21 Nov 2024 10:26 pm
Operator : Dakota:smz
Sample : WG2000366-2,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 09:22:50 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.138	244	26204	0.613	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 61.30%

Target Compounds						Qvalue
38) Naphthalene	5.485	128	28512	1.013	ug/ml	100
54) Acenaphthylene	7.015	152	36808	1.150	ug/ml	98
67) Acenaphthene	7.186	154	22373	1.175	ug/ml	86
75) Fluorene	7.683	166	32671	1.299	ug/ml	93
91) Phenanthrene	8.590	178	58718	1.345	ug/ml	99
92) Anthracene	8.640	178	56714	1.324	ug/ml	99
95) Fluoranthene	9.728	202	74868	1.426	ug/ml#	92
97) Pyrene	9.936	202	80780	1.440	ug/ml	99
107) Benzo(a)anthracene	11.127	228	81538	1.322	ug/ml	99
109) Chrysene	11.158	228	82950	1.352	ug/ml	98
112) Benzo(b)fluoranthene	12.193	252	91265	1.413	ug/ml#	94
113) Benzo(k)fluoranthene	12.221	252	94040M4	1.494	ug/ml	
114) Benzo(a)pyrene	12.494	252	84687M3	1.469	ug/ml	
116) Indeno(1,2,3-cd)pyrene	13.486	276	97627	1.396	ug/mL#	89
117) Dibenzo(a,h)anthracene	13.511	278	98535	1.434	ug/ml#	90
118) Benzo(ghi)perylene	13.694	276	93568	1.386	ug/ml#	87

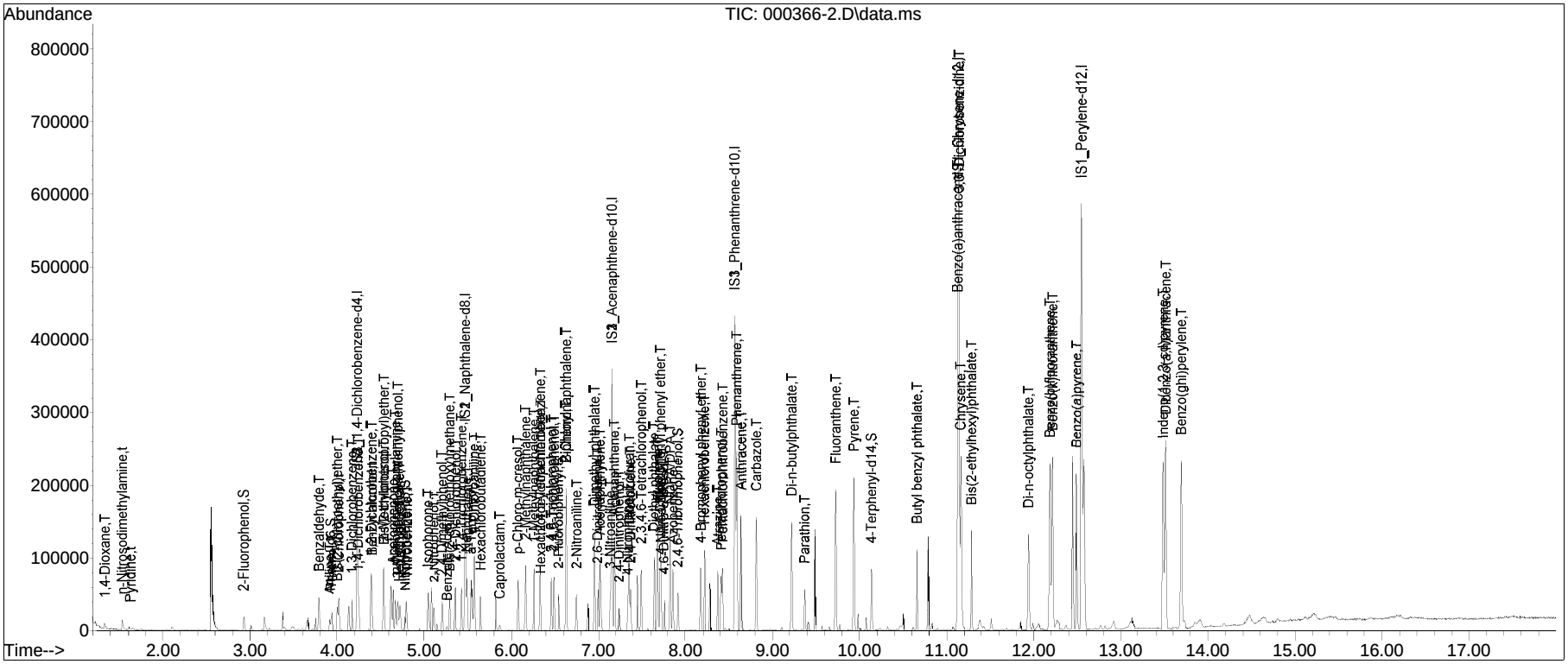
(#) = qualifier out of range (m) = manual integration (+) = signals summed

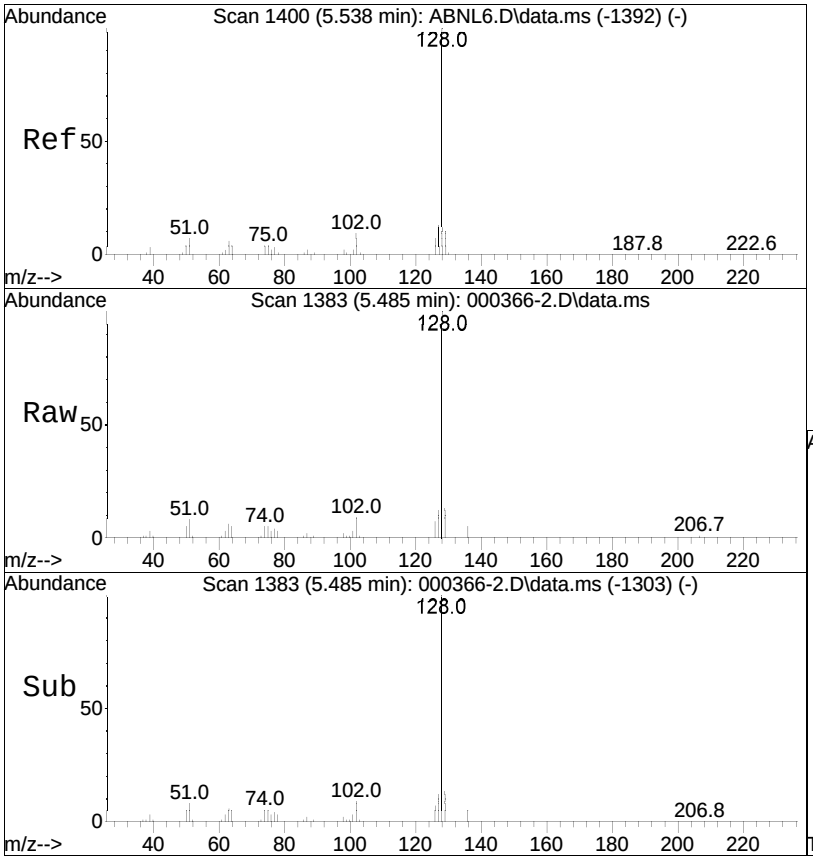
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-2.D
Acq On : 21 Nov 2024 10:26 pm
Operator : Dakota:smz
Sample : WG2000366-2,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 09:22:50 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA1RVT\AP91121.D•

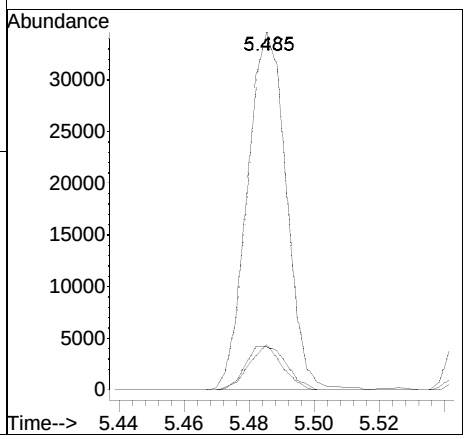


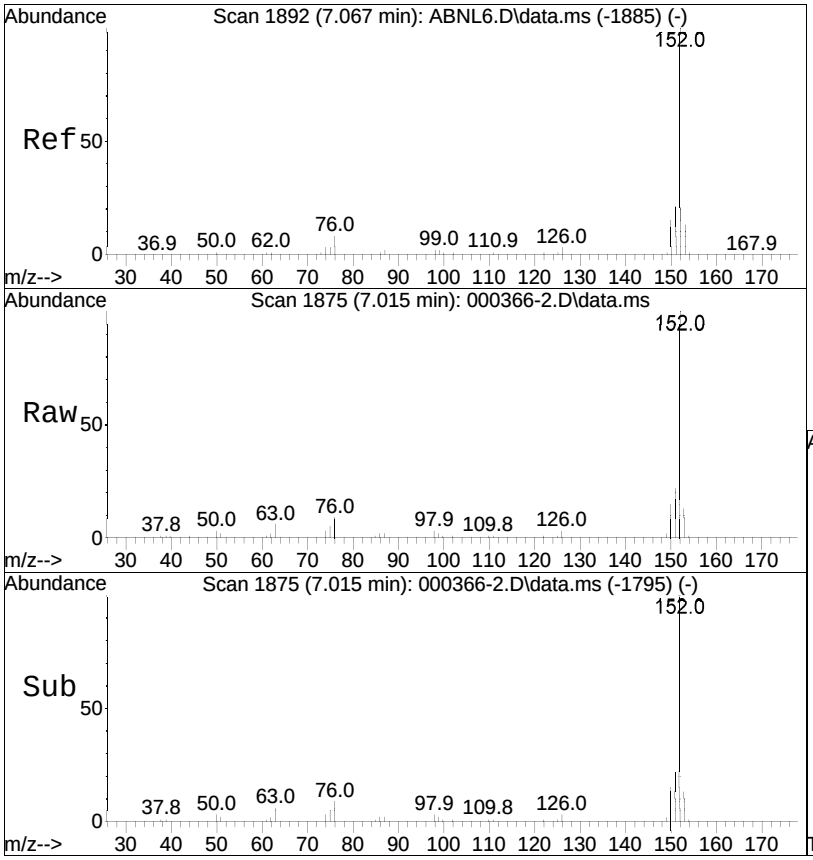


#38
Naphthalene
Concen: 1.01 ug/ml
RT: 5.485 min Scan# 1383
Delta R.T. 0.000 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:128 Resp: 28512

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.0	10.3	15.5

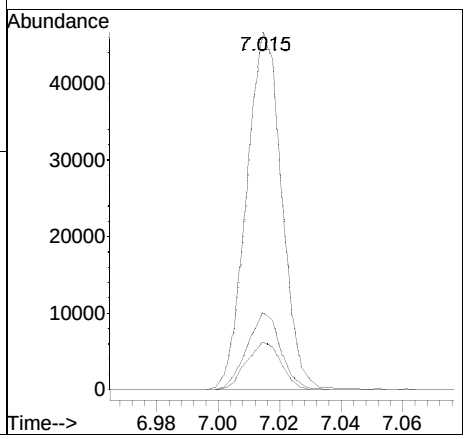


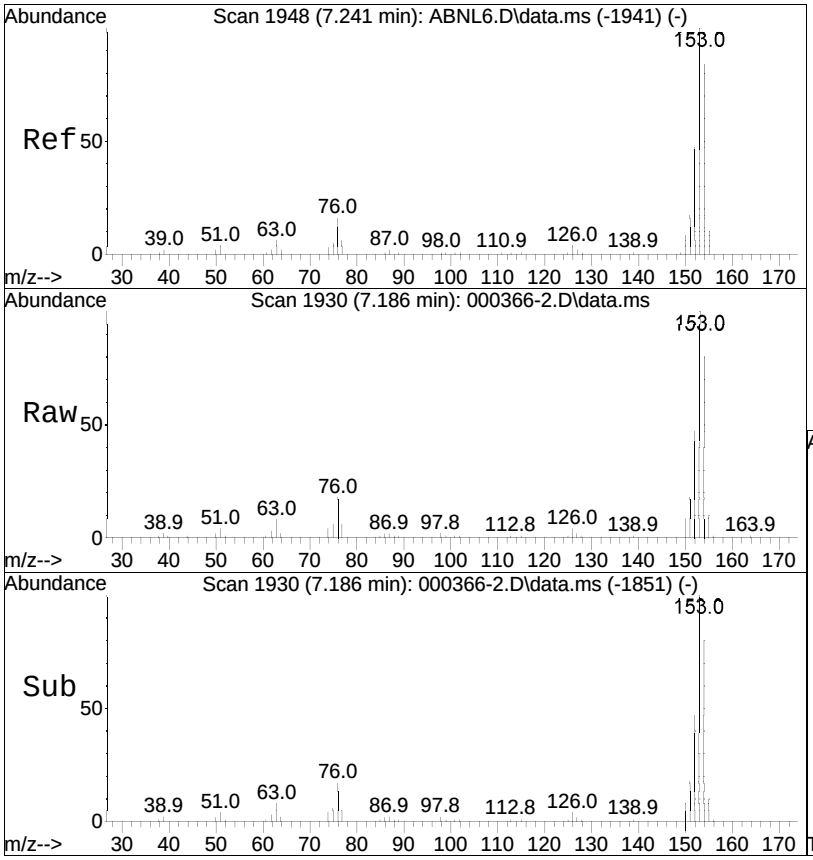


#54
Acenaphthylene
Concen: 1.15 ug/ml
RT: 7.015 min Scan# 1875
Delta R.T. 0.000 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:152 Resp: 36808

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.8	23.6
153	13.3	10.5	15.7

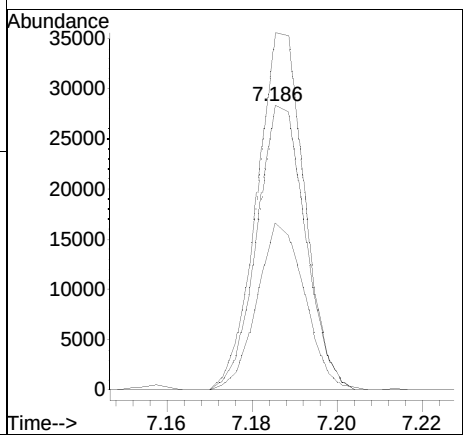


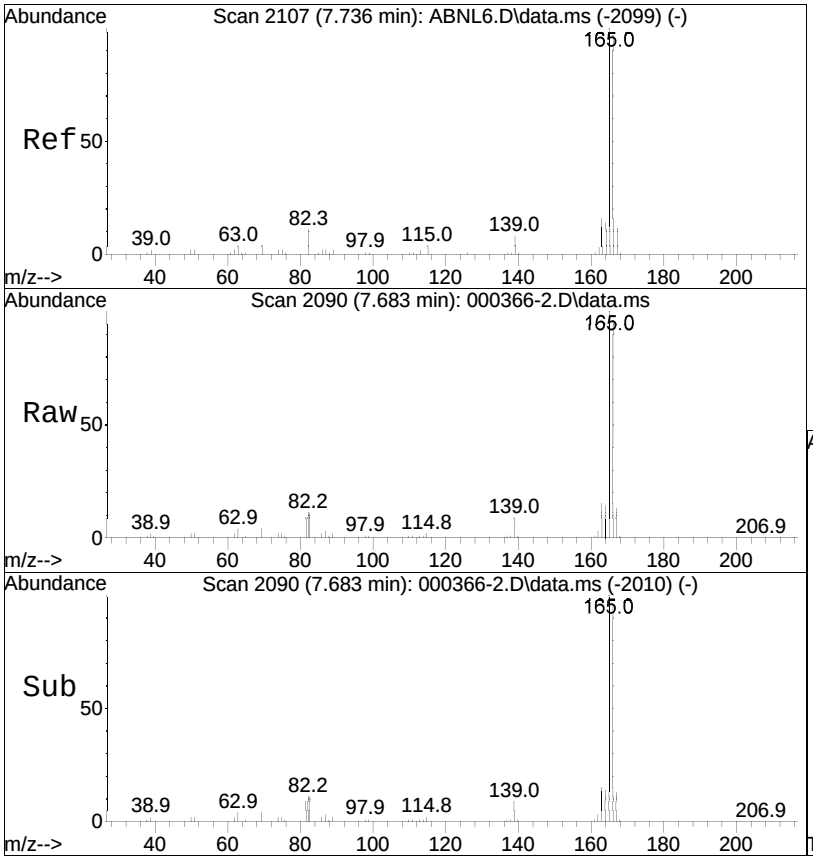


#67
Acenaphthene
Concen: 1.17 ug/ml
RT: 7.186 min Scan# 1930
Delta R.T. -0.003 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:154 Resp: 22373

Ion	Ratio	Lower	Upper
154	100		
153	123.3	85.3	127.9
152	57.9	41.4	62.0

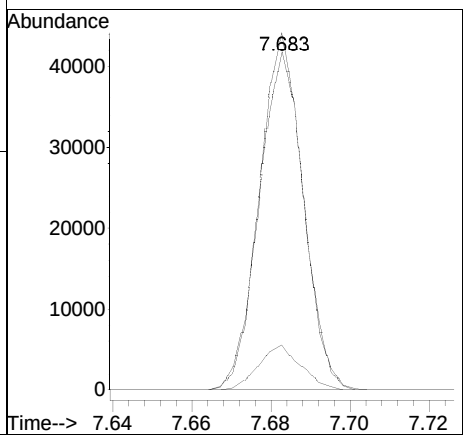


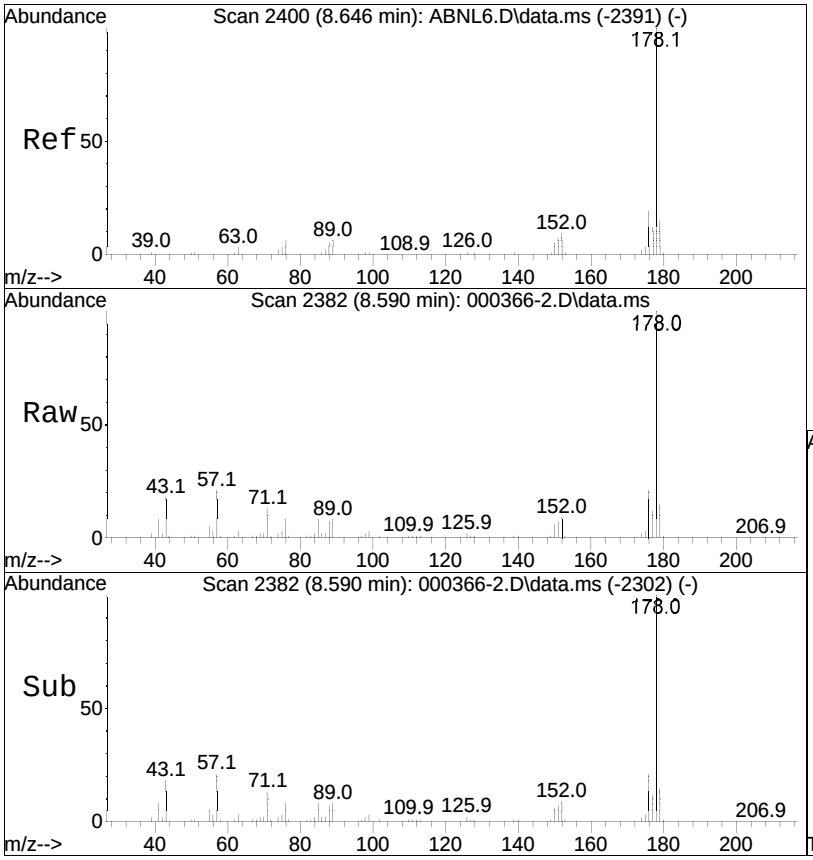


#75
Fluorene
Concen: 1.30 ug/ml
RT: 7.683 min Scan# 2090
Delta R.T. 0.000 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:166 Resp: 32671

Ion	Ratio	Lower	Upper
166	100		
165	102.9	76.2	114.2
167	12.6	10.6	15.8

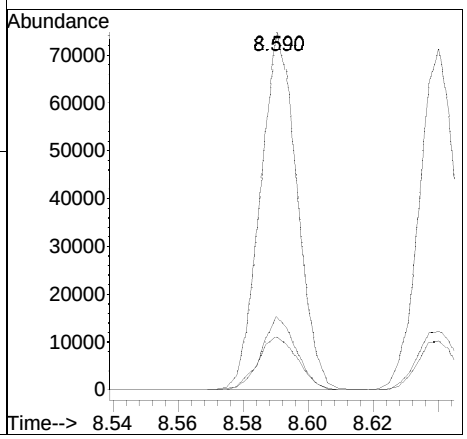


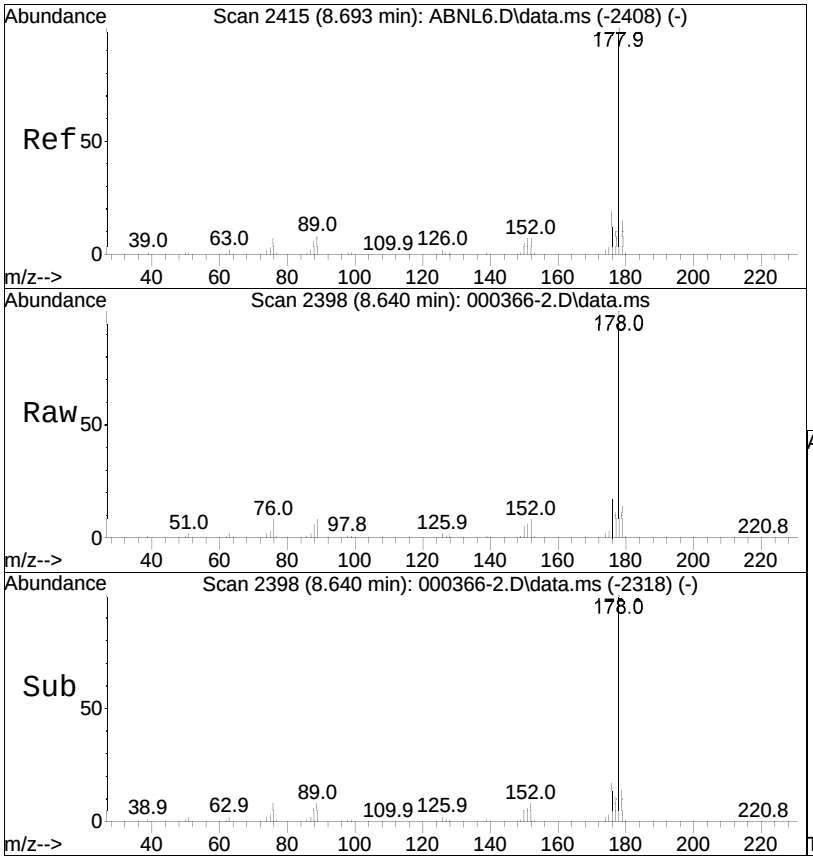


#91
Phenanthrene
Concen: 1.34 ug/ml
RT: 8.590 min Scan# 2382
Delta R.T. 0.000 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:178 Resp: 58718

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.2
176	19.4	15.4	23.2

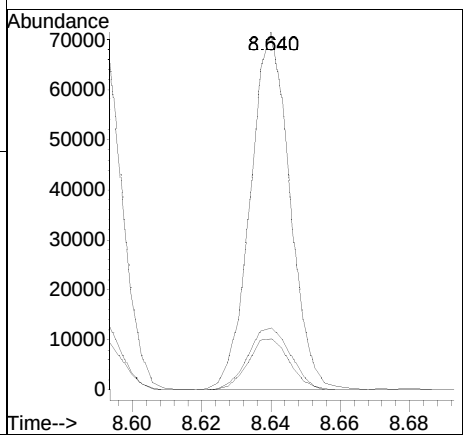


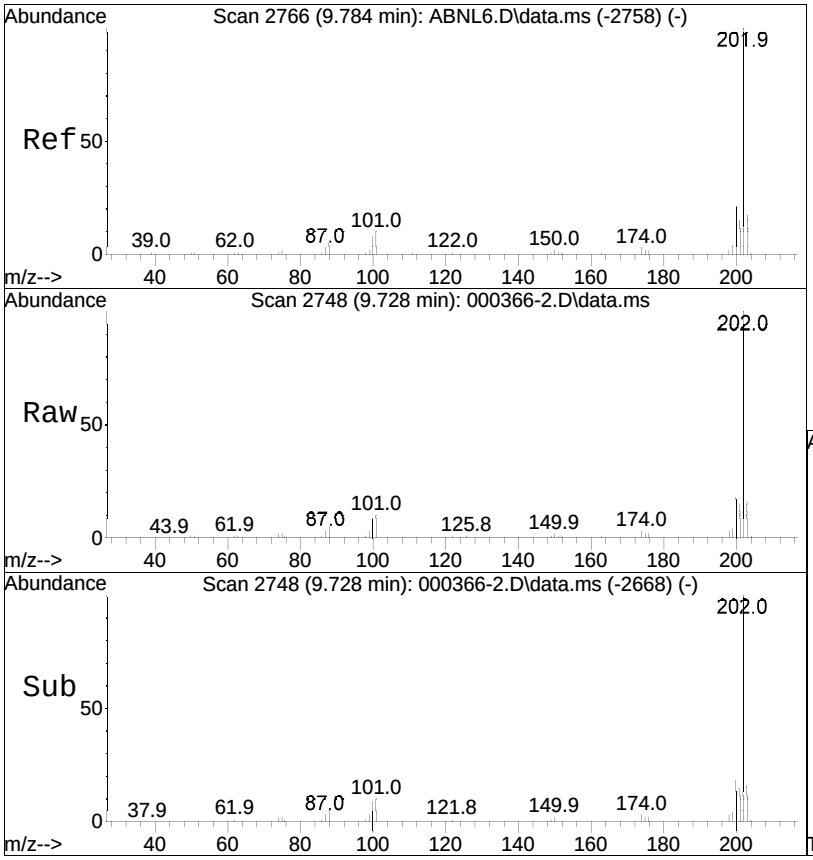


#92
Anthracene
Concen: 1.32 ug/ml
RT: 8.640 min Scan# 2398
Delta R.T. 0.000 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:178 Resp: 56714

Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.0	18.0
176	18.6	14.6	22.0

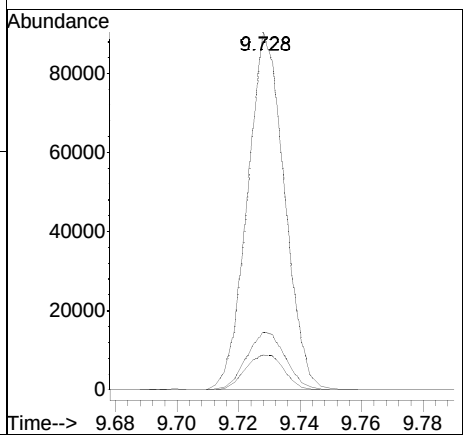


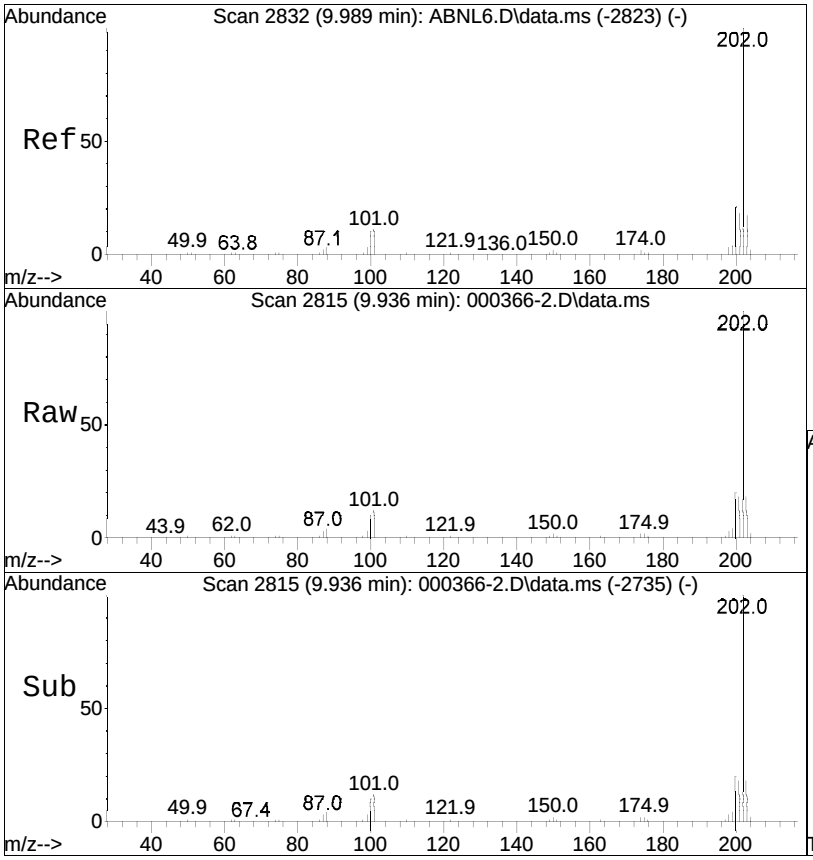


#95
Fluoranthene
Concen: 1.43 ug/ml
RT: 9.728 min Scan# 2748
Delta R.T. 0.000 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:202 Resp: 74868

Ion	Ratio	Lower	Upper
202	100		
101	10.3	13.5	20.3#
203	17.0	13.6	20.4

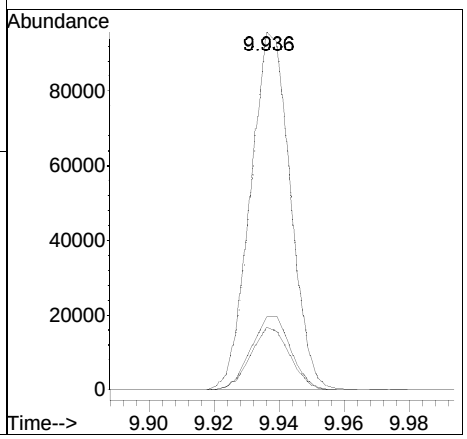


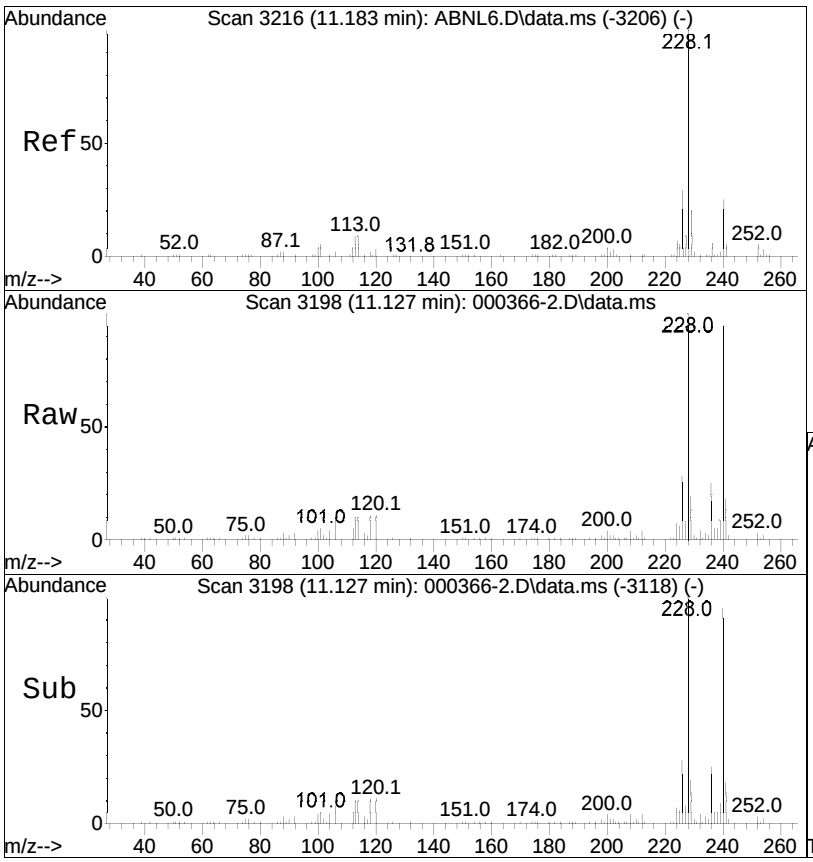


#97
Pyrene
Concen: 1.44 ug/ml
RT: 9.936 min Scan# 2815
Delta R.T. 0.000 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:202 Resp: 80780

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.3	14.2	21.4

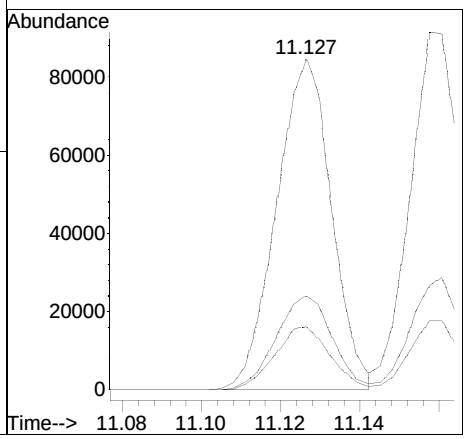


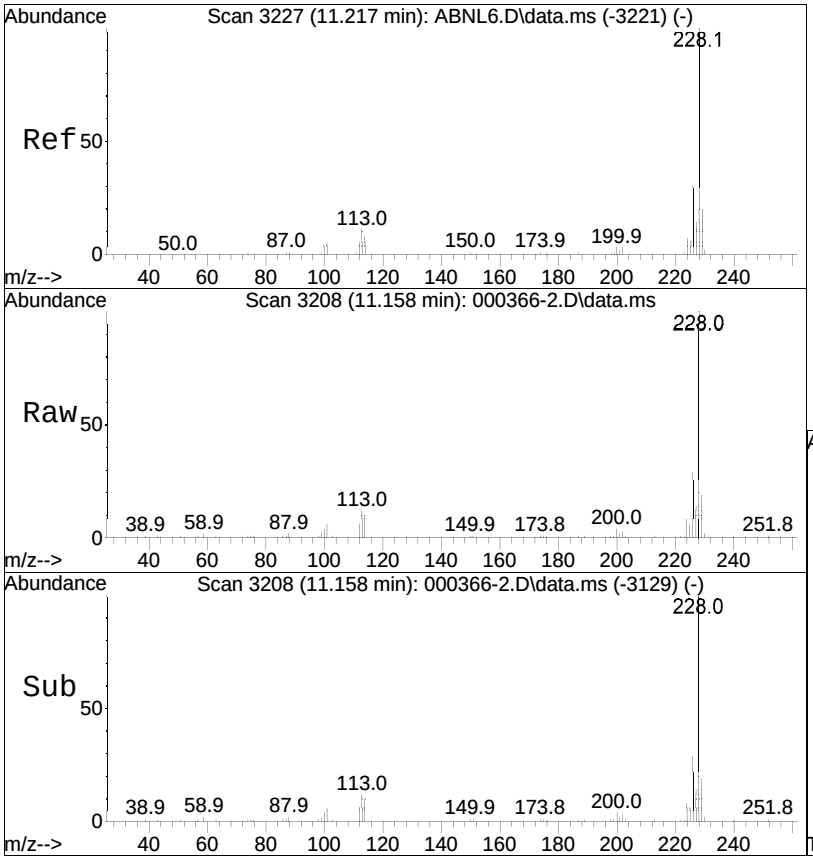


#107
Benzo(a)anthracene
Concen: 1.32 ug/ml
RT: 11.127 min Scan# 3198
Delta R.T. 0.000 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:228 Resp: 81538

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.4
229	19.3	15.6	23.4

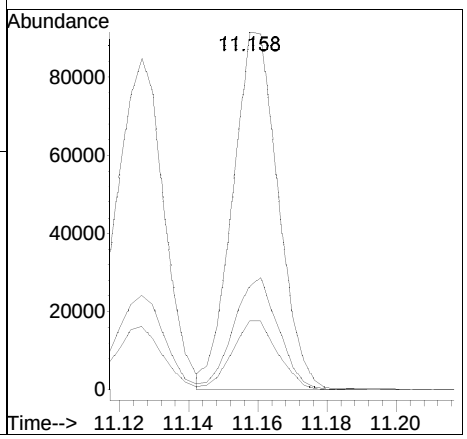


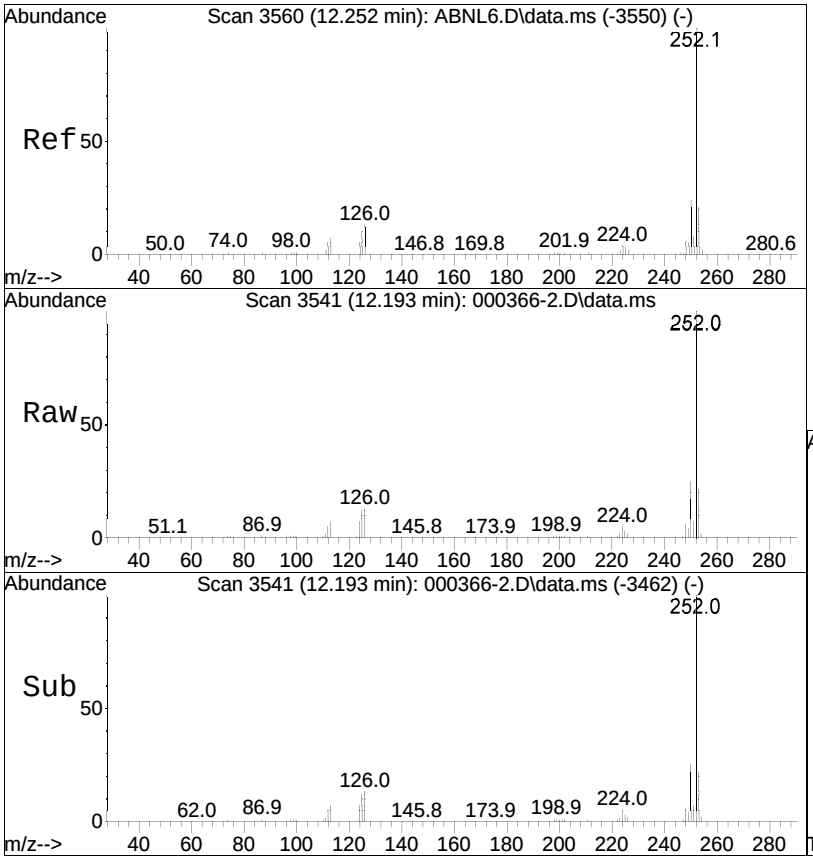


#109
Chrysene
Concen: 1.35 ug/ml
RT: 11.158 min Scan# 3208
Delta R.T. -0.003 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:228 Resp: 82950

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.0	36.0
229	19.5	15.8	23.8

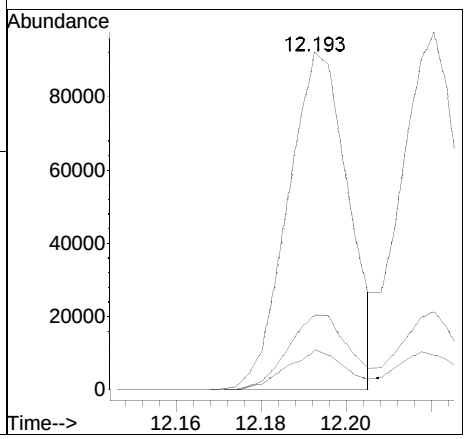


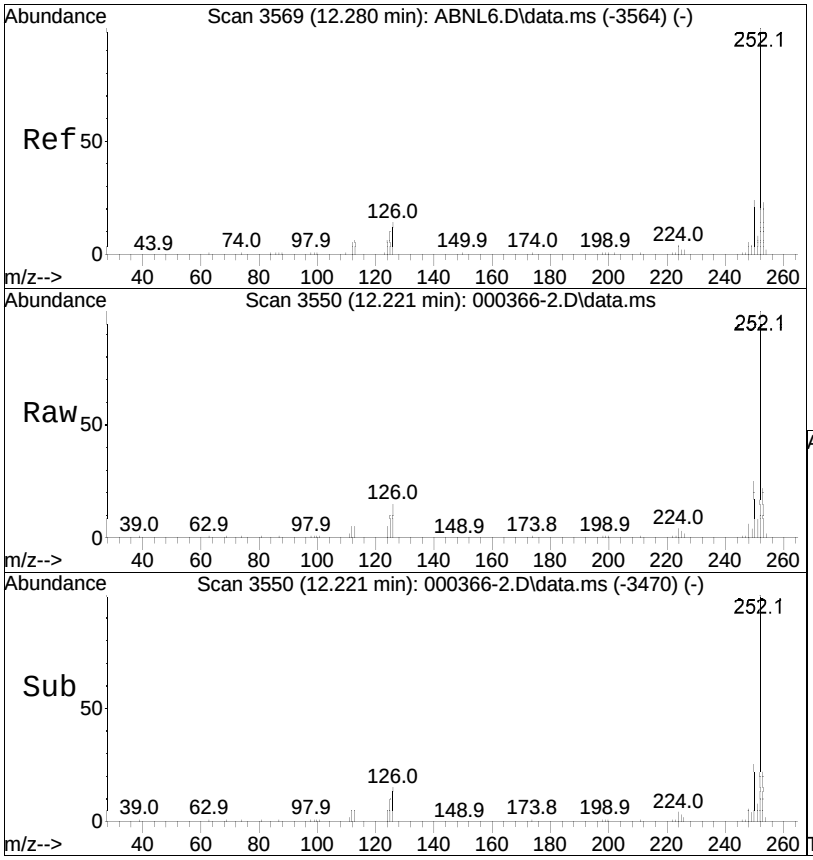


#112
Benzo(b)fluoranthene
Concen: 1.41 ug/ml
RT: 12.193 min Scan# 3541
Delta R.T. -0.003 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:252 Resp: 91265

Ion	Ratio	Lower	Upper
252	100		
125	11.4	13.3	19.9#
253	22.2	17.1	25.7

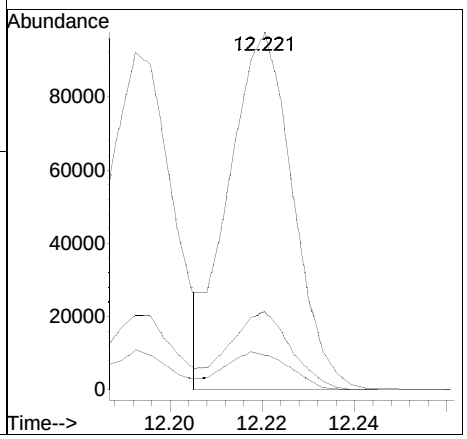


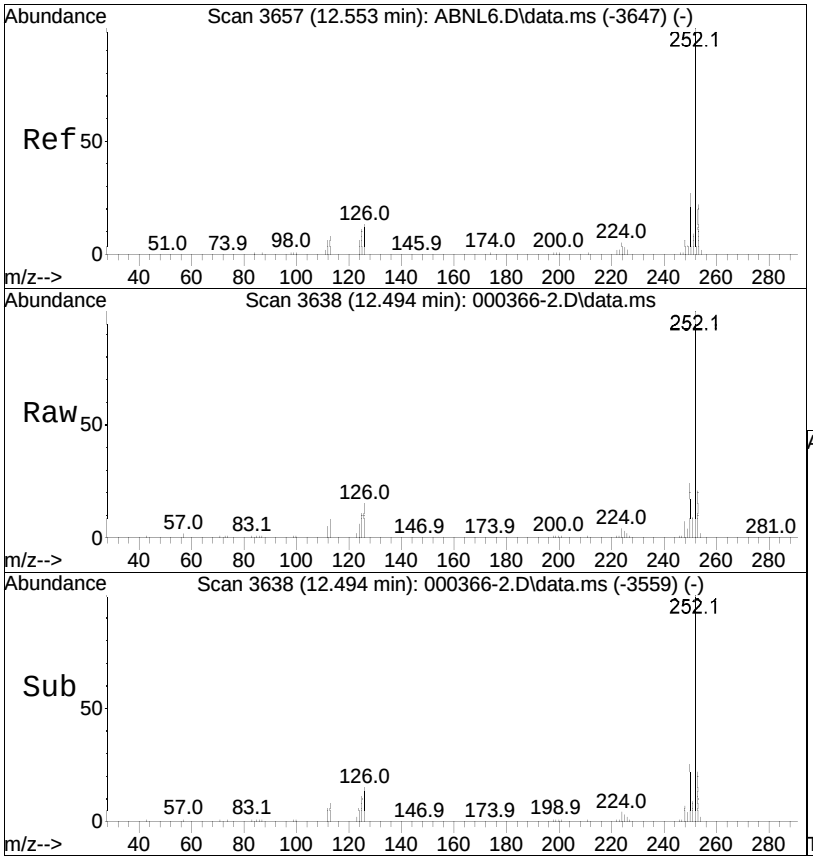


#113
Benzo(k)fluoranthene
Concen: 1.49 ug/ml M4
RT: 12.221 min Scan# 3550
Delta R.T. 0.000 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:252 Resp: 94040

Ion	Ratio	Lower	Upper
252	100		
125	14.5	13.0	19.6
253	19.8	16.8	25.2

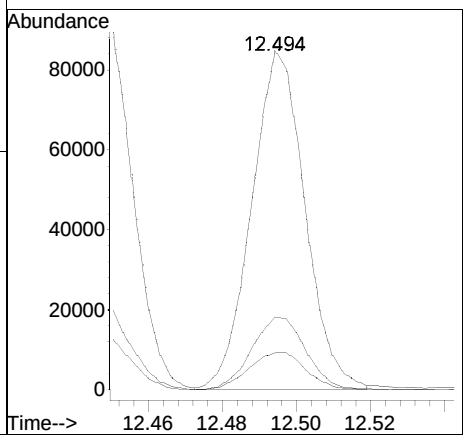


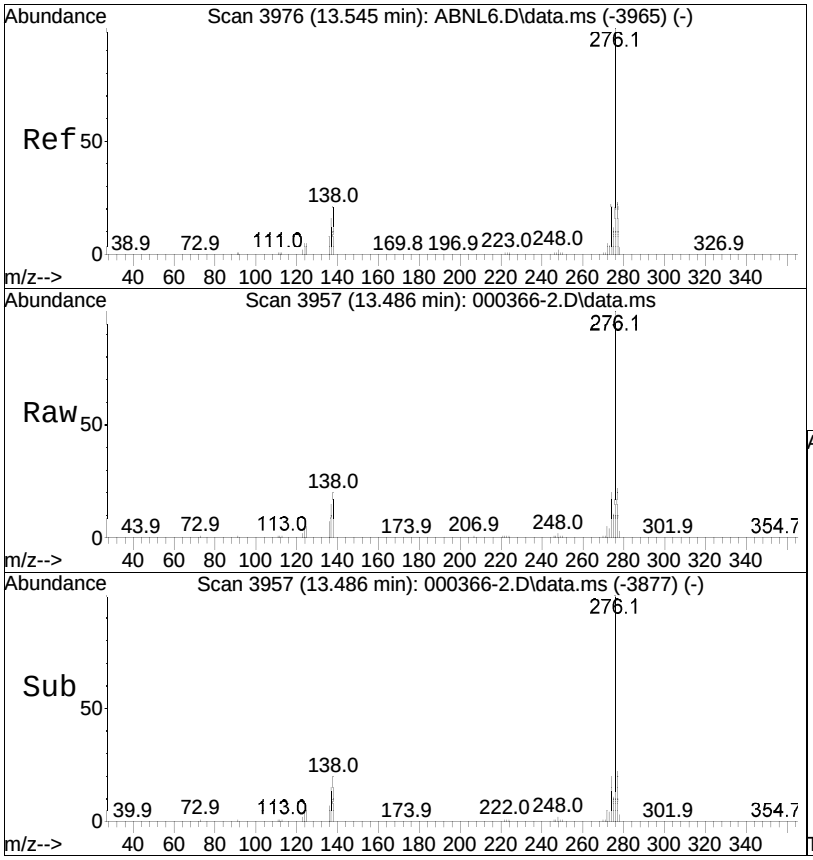


#114
Benzo(a)pyrene
Concen: 1.47 ug/ml M3
RT: 12.494 min Scan# 3638
Delta R.T. -0.003 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:252 Resp: 84687

Ion	Ratio	Lower	Upper
252	100		
125	17.1	14.2	21.2
253	23.8	16.9	25.3

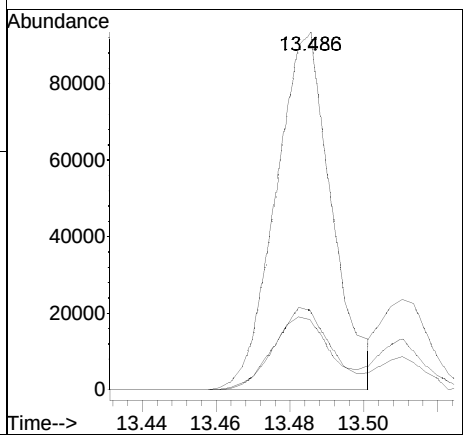


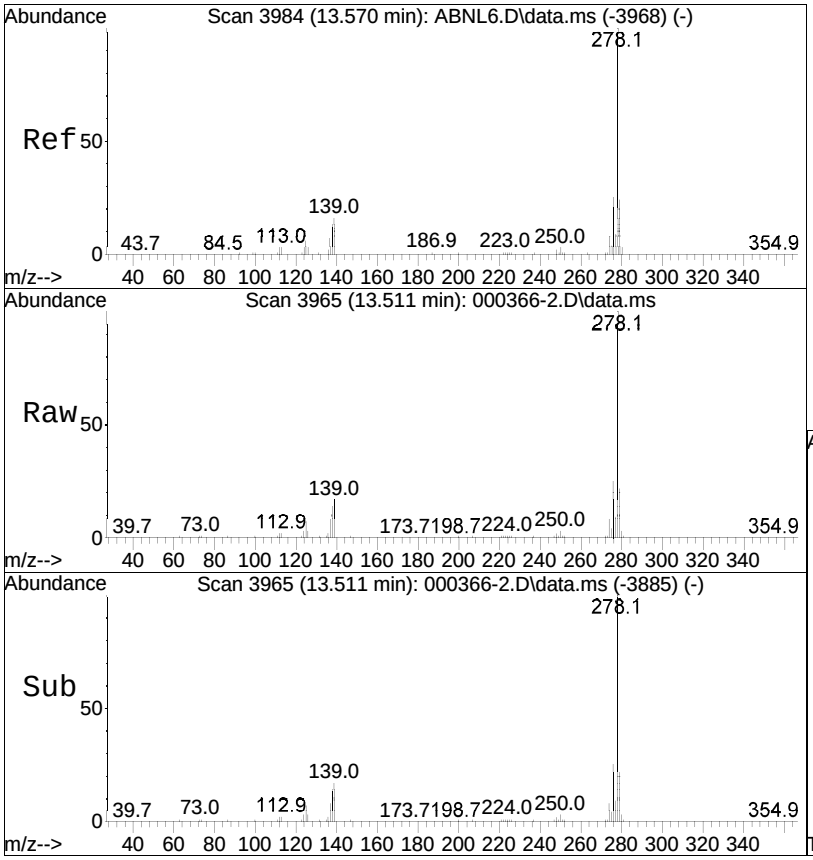


#116
Indeno(1,2,3-cd)pyrene
Concen: 1.40 ug/mL
RT: 13.486 min Scan# 3957
Delta R.T. 0.000 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:276 Resp: 97627

Ion	Ratio	Lower	Upper
276	100		
138	21.7	25.1	37.7#
277	22.8	18.6	28.0

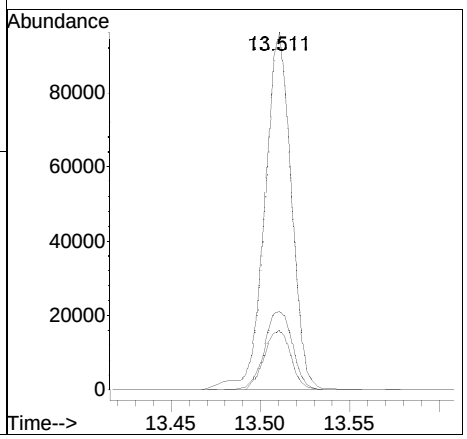


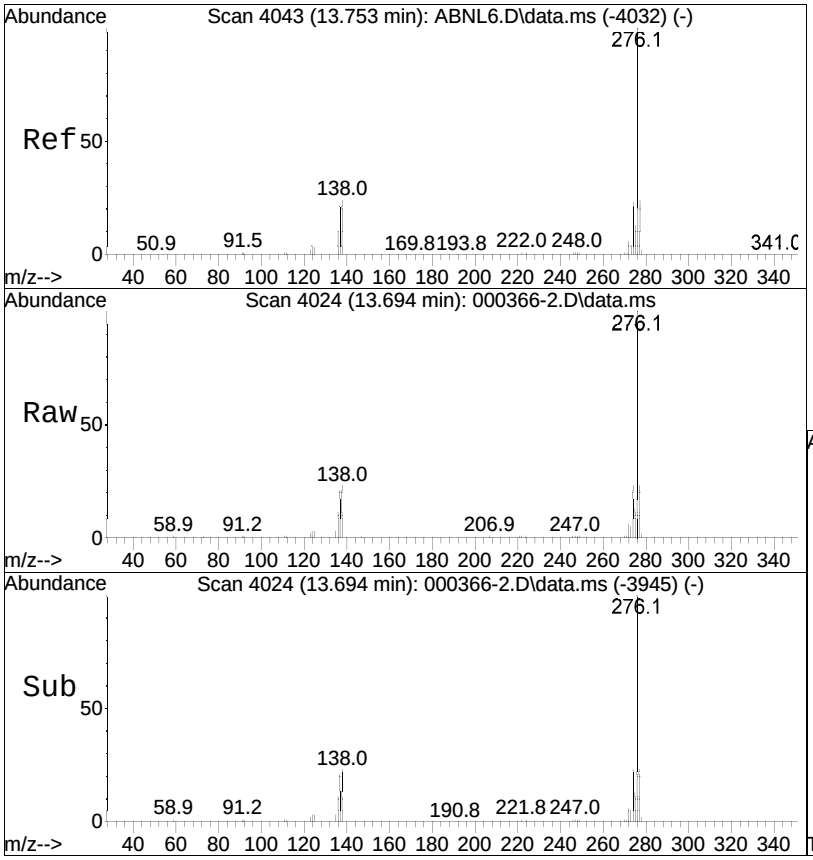


#117
Dibenzo(a,h)anthracene
Concen: 1.43 ug/ml
RT: 13.511 min Scan# 3965
Delta R.T. 0.000 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:278 Resp: 98535

Ion	Ratio	Lower	Upper
278	100		
139	16.7	20.8	31.2#
279	23.3	18.3	27.5

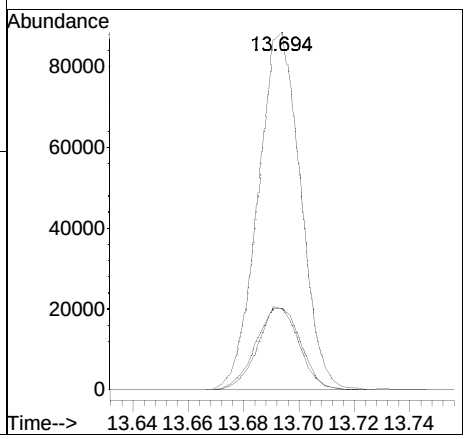




#118
Benzo(ghi)perylene
Concen: 1.39 ug/ml
RT: 13.694 min Scan# 4024
Delta R.T. -0.003 min
Lab File: 000366-2.D
Acq: 21 Nov 2024 10:26 pm

Tgt Ion:276 Resp: 93568

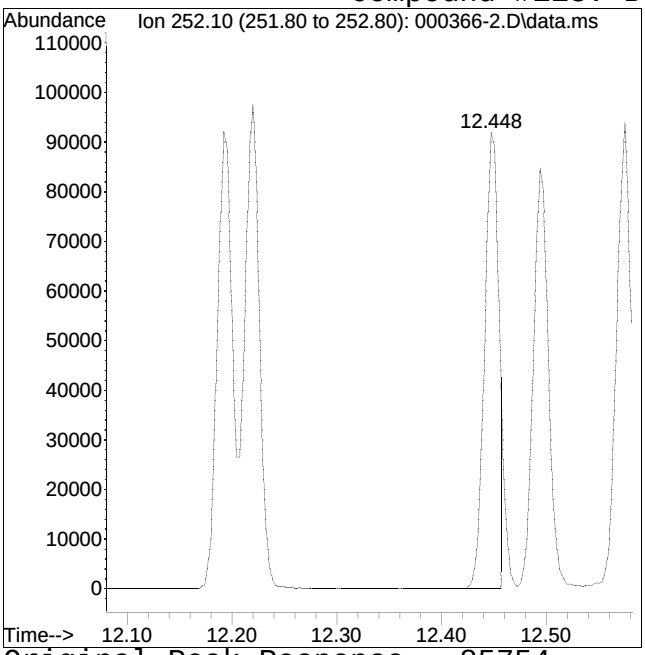
Ion	Ratio	Lower	Upper
276	100		
138	23.7	29.2	43.8#
277	23.5	18.8	28.2



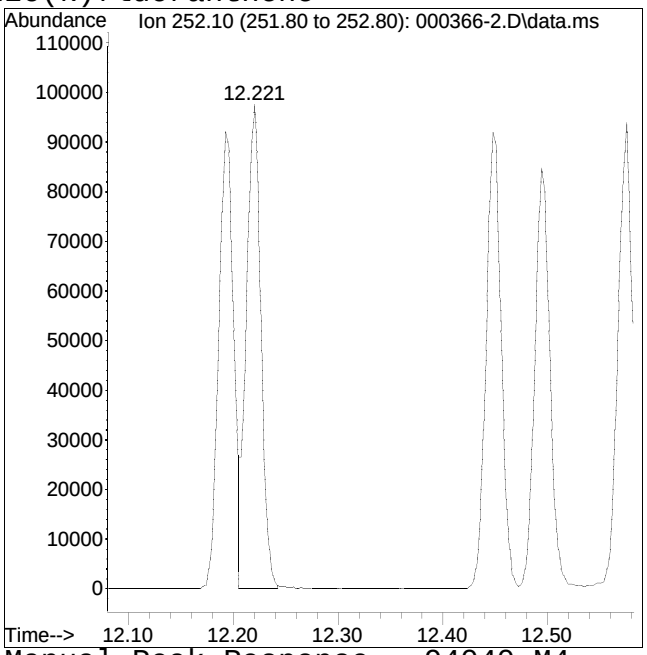
Manual Integration Report

Data Path : I:\8270\Dakota\241121RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 000366-2.D Operator : Dakota:smz
Date Inj'd : 11/21/2024 10:26 pm Instrument : Dakota
Sample : WG2000366-2,32,,ASK Quant Date : 11/21/2024 10:45 pm

Compound #113: Benzo(k)fluoranthene



Original Peak Response = 85754



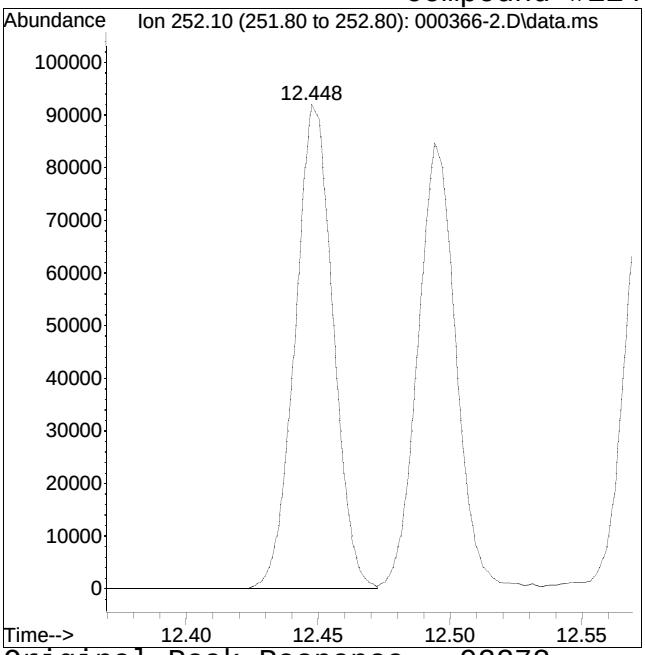
Manual Peak Response = 94040 M4

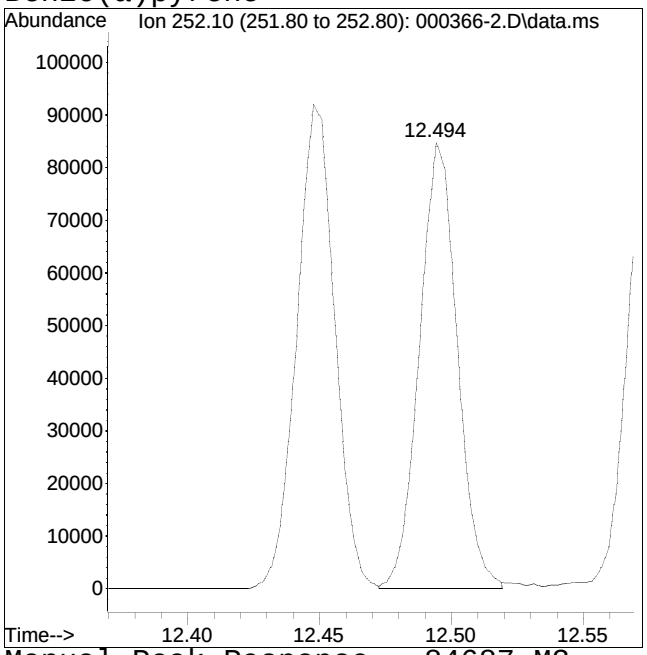
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270\Dakota\241121RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 000366-2.D Operator : Dakota:smz
Date Inj'd : 11/21/2024 10:26 pm Instrument : Dakota
Sample : WG2000366-2,32,,ASK Quant Date : 11/21/2024 10:45 pm

Compound #114: Benzo(a)pyrene





Original Peak Response = 92272 Manual Peak Response = 84687 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : 999910-3.D
Acq On : 21 Nov 2024 01:13 am
Operator : SV112:smz
Sample : WG1999910-3,32,,ASK
Misc : WG1999664,WG1999910,ical21241
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 22 10:16:08 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:26:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241120NRVT\ABN1120n.D
: 2 - I:\8270\SV112\241120NRVT\ADP1120n.D
: 3 - I:\8270\SV112\241120NRVT\AP91120n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.752	152	18516	4.000	ug/ml		0.00
Standard Area 1 = 17736			Recovery =	104.40%			
27) IS2_1,4-Dichlorobenzen...	4.752	152	18516	4.000	ug/ml		0.00
Standard Area 3 = 20403			Recovery =	90.75%			
32) IS3_1,4-Dichlorobenzen...	4.752	152	18516	4.000	ug/ml		0.00
Standard Area 2 = 22430			Recovery =	82.55%			
35) IS1_Naphthalene-d8	5.987	136	67519	4.000	ug/ml		0.00
Standard Area 1 = 64272			Recovery =	105.05%			
55) IS2_Naphthalene-d8	5.987	136	67519	4.000	ug/ml		0.00
Standard Area 3 = 70453			Recovery =	95.84%			
63) IS1_Acenaphthene-d10	7.687	164	40856	4.000	ug/ml		0.00
Standard Area 1 = 39047			Recovery =	104.63%			
83) IS2_Acenaphthene-d10	7.687	164	40856	4.000	ug/ml		0.00
Standard Area 3 = 39070			Recovery =	104.57%			
86) IS3_Acenaphthene-d10	7.687	164	40856	4.000	ug/ml		0.00
Standard Area 2 = 44935			Recovery =	90.92%			
88) IS1_Phenanthrene-d10	9.116	188	82786	4.000	ug/ml	#	0.00
Standard Area 1 = 83673			Recovery =	98.94%			
100) IS3_Phenanthrene-d10	9.116	188	82786	4.000	ug/ml	#	0.00
Standard Area 2 = 99594			Recovery =	83.12%			
104) IS1_Chrysene-d12	11.745	240	89308	4.000	ug/ml	#	0.00
Standard Area 1 = 83909			Recovery =	106.43%			
113) IS1_Perylene-d12	13.210	264	101857	4.000	ug/ml		0.00
Standard Area 1 = 98870			Recovery =	103.02%			
System Monitoring Compounds							
4) 2-Fluorophenol	3.493	112	5676	1.167	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	58.35%			
7) Phenol-d6	4.428	99	5636	0.898	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	44.90%			
19) Nitrobenzene-d5	5.293	82	4368	0.729	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	72.90%			
46) 2-Fluorobiphenyl	7.051	172	10273	0.673	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	67.30%			
79) 2,4,6-Tribromophenol	8.445	330	4183	1.595	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	79.75%			

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : 999910-3.D
Acq On : 21 Nov 2024 01:13 am
Operator : SV112:smz
Sample : WG1999910-3,32,,ASK
Misc : WG1999664,WG1999910,ical21241
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 22 10:16:08 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:26:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241120NRVT\ABN1120n.D
: 2 - I:\8270\SV112\241120NRVT\ADP1120n.D
: 3 - I:\8270\SV112\241120NRVT\AP91120n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	10.692	244	16833	0.791	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 79.10%

Target Compounds						Qvalue
36) Naphthalene	6.004	128	23378	1.321	ug/ml	100
52) Acenaphthylene	7.546	152	26332	1.393	ug/ml	99
65) Acenaphthene	7.716	154	16104	1.414	ug/ml	96
73) Fluorene	8.216	166	21598	1.478	ug/ml	99
89) Phenanthrene	9.134	178	35176	1.606	ug/ml	98
90) Anthracene	9.187	178	34566	1.613	ug/ml	96
93) Fluoranthene	10.287	202	44008	1.732	ug/ml#	94
95) Pyrene	10.504	202	47343	1.758	ug/ml	99
105) Benzo(a)anthracene	11.739	228	49483	1.726	ug/ml	99
107) Chrysene	11.775	228	45239	1.609	ug/ml	99
110) Benzo(b)fluoranthene	12.839	252	50786	1.727	ug/ml	95
111) Benzo(k)fluoranthene	12.869	252	42942M3	1.600	ug/ml	
112) Benzo(a)pyrene	13.157	252	44287M3	1.726	ug/ml	
114) Indeno(1,2,3-cd)pyrene	14.192	276	48532M6	1.704	ug/mL	
115) Dibenzo(a,h)anthracene	14.222	278	46277	1.701	ug/ml#	92
116) Benzo(ghi)perylene	14.451	276	44524	1.622	ug/ml#	93

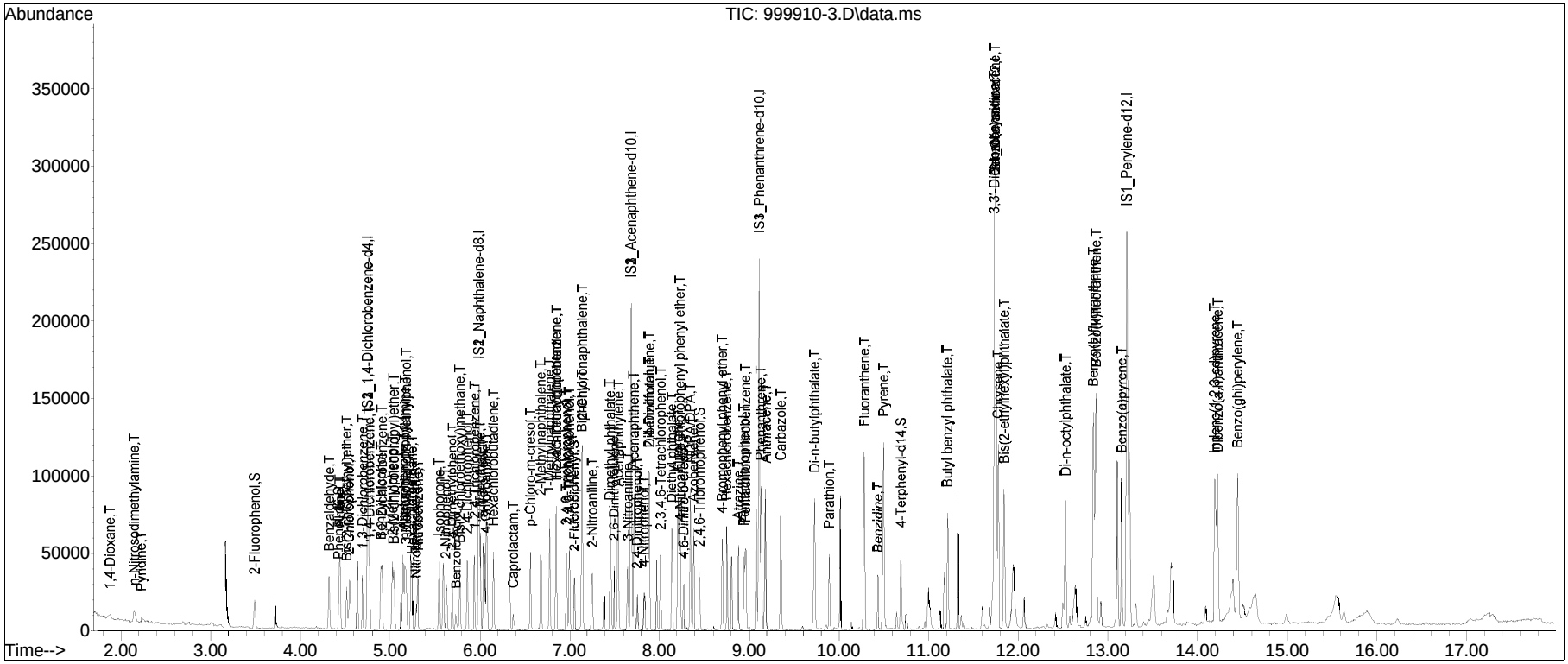
(#) = qualifier out of range (m) = manual integration (+) = signals summed

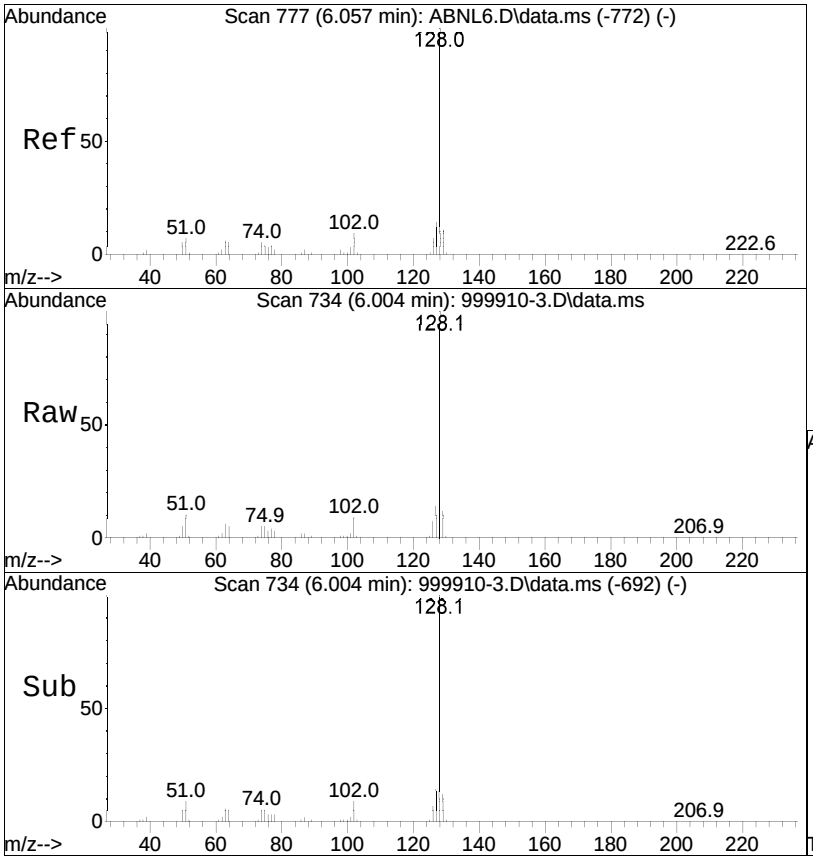
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241120NRVT\
Data File : 999910-3.D
Acq On : 21 Nov 2024 01:13 am
Operator : SV112:smz
Sample : WG1999910-3,32,,ASK
Misc : WG1999664,WG1999910,ical21241
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 22 10:16:08 2024
Quant Method : I:\8270\SV112\241120NRVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 00:26:01 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MANRVT\AP91120n.D•

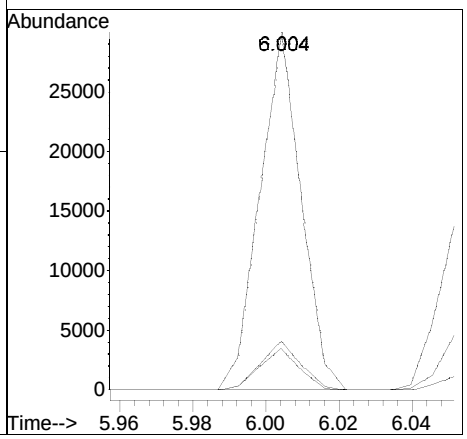


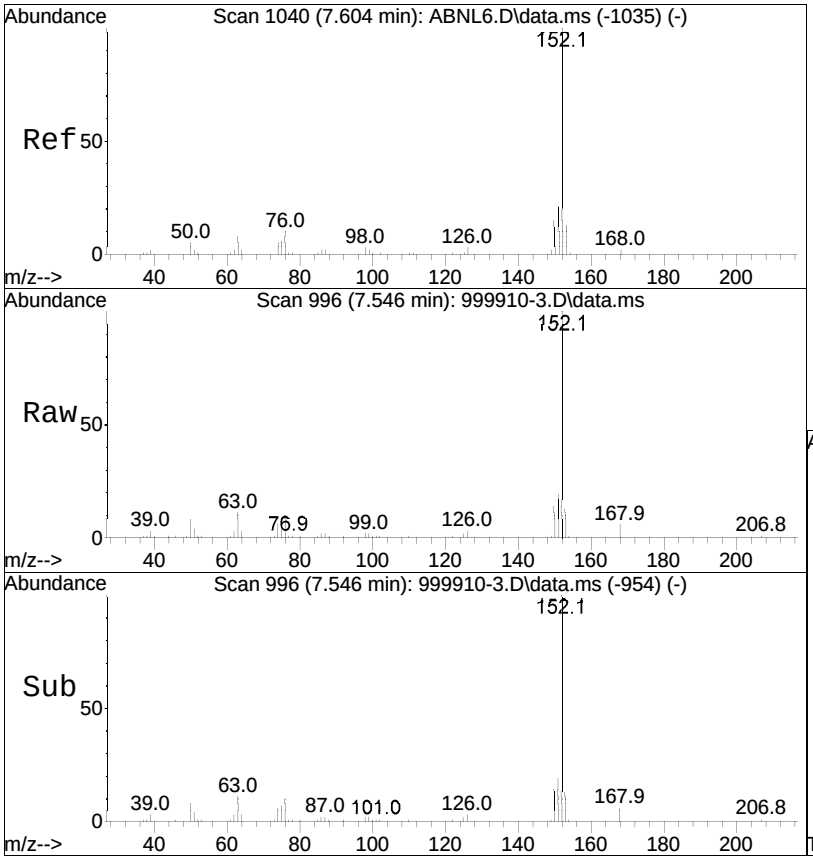


#36
Naphthalene
Concen: 1.32 ug/ml
RT: 6.004 min Scan# 734
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:128 Resp: 23378

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.4	10.6	15.8

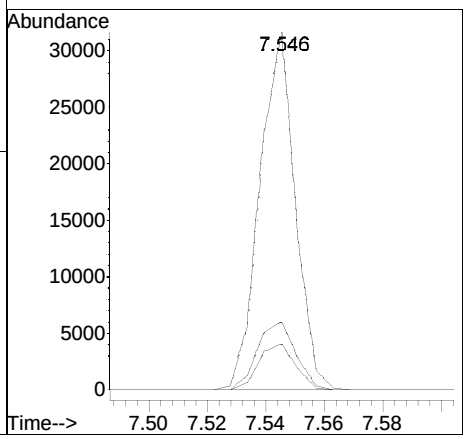


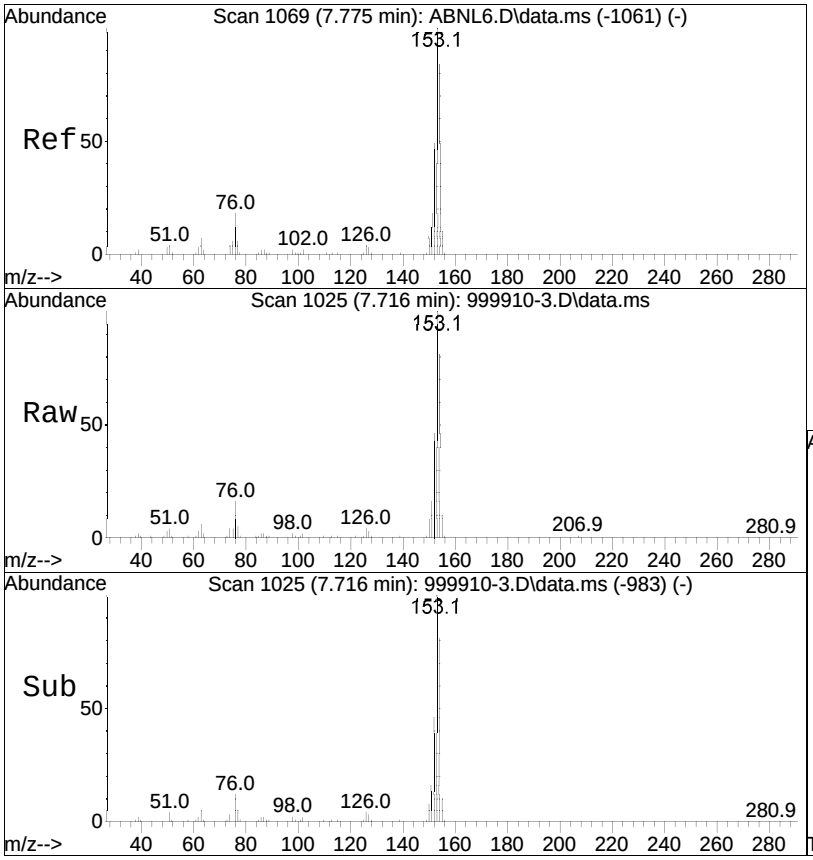


#52
Acenaphthylene
Concen: 1.39 ug/ml
RT: 7.546 min Scan# 996
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:152 Resp: 26332

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.9	23.9
153	13.3	10.5	15.7

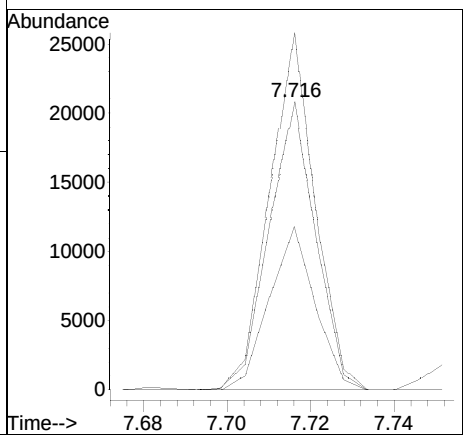


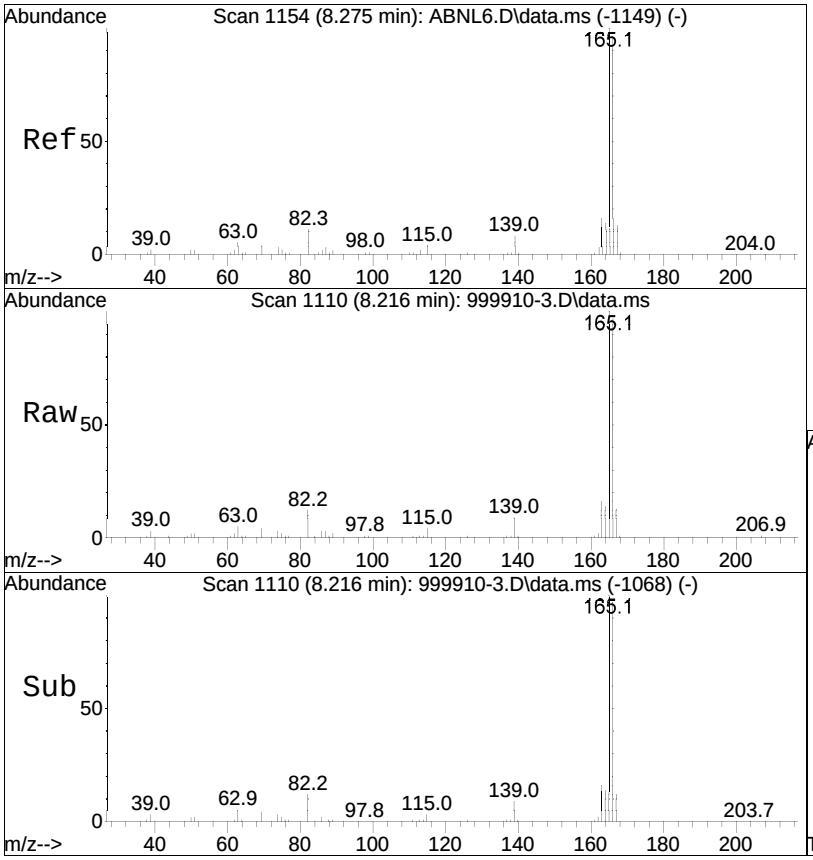


#65
Acenaphthene
Concen: 1.41 ug/ml
RT: 7.716 min Scan# 1025
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:154 Resp: 16104

Ion	Ratio	Lower	Upper
154	100		
153	121.0	93.0	139.4
152	55.9	43.3	64.9

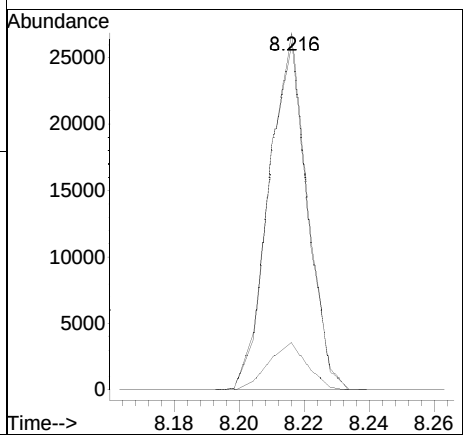


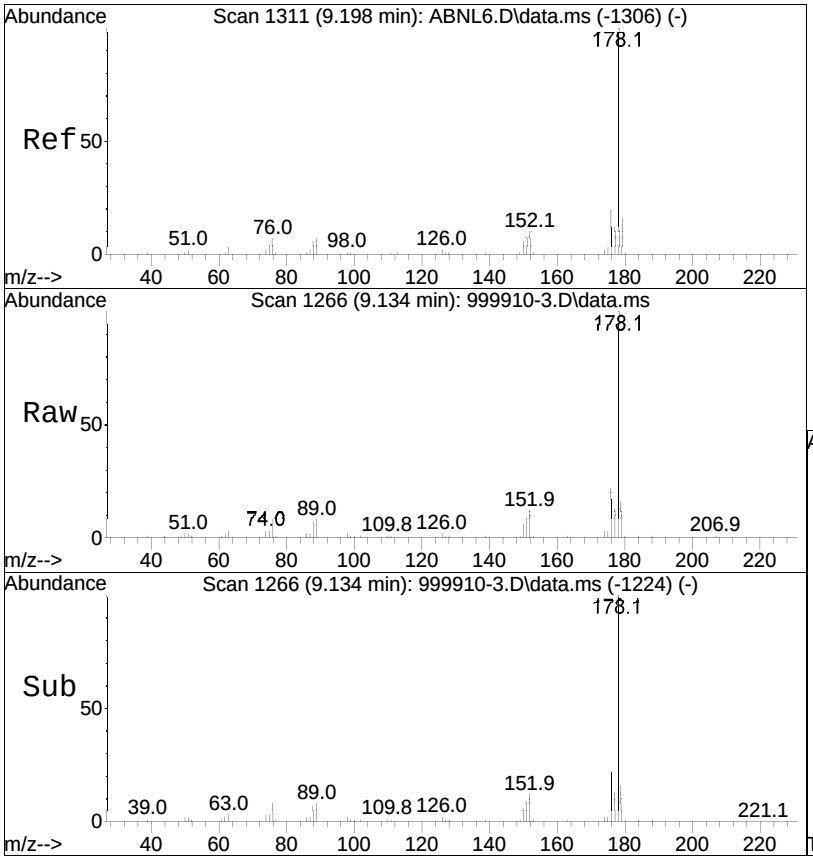


#73
Fluorene
Concen: 1.48 ug/ml
RT: 8.216 min Scan# 1110
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:166 Resp: 21598

Ion	Ratio	Lower	Upper
166	100		
165	101.2	80.0	120.0
167	13.8	10.7	16.1

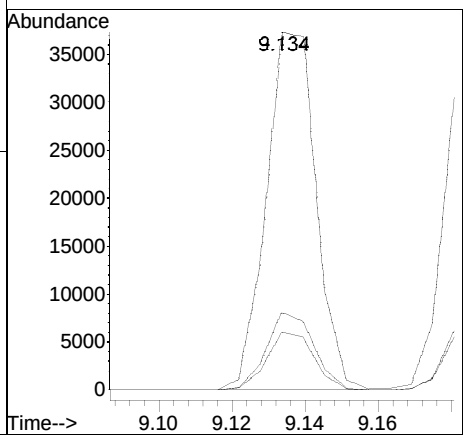


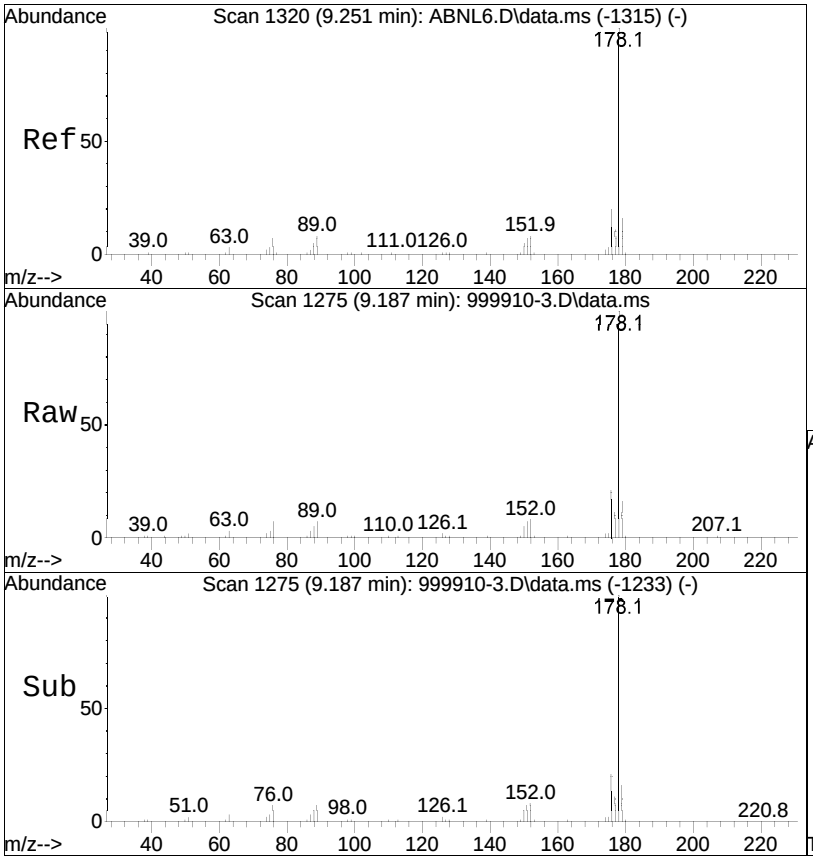


#89
Phenanthrene
Concen: 1.61 ug/ml
RT: 9.134 min Scan# 1266
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:178 Resp: 35176

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	20.6	15.4	23.2

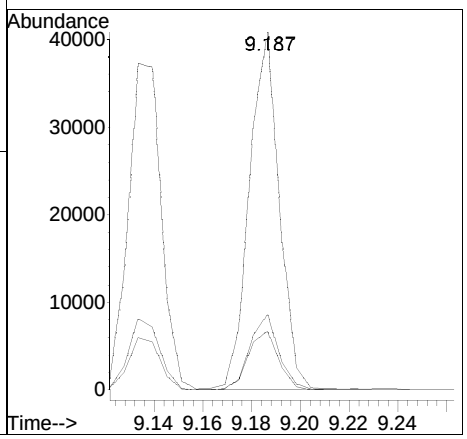


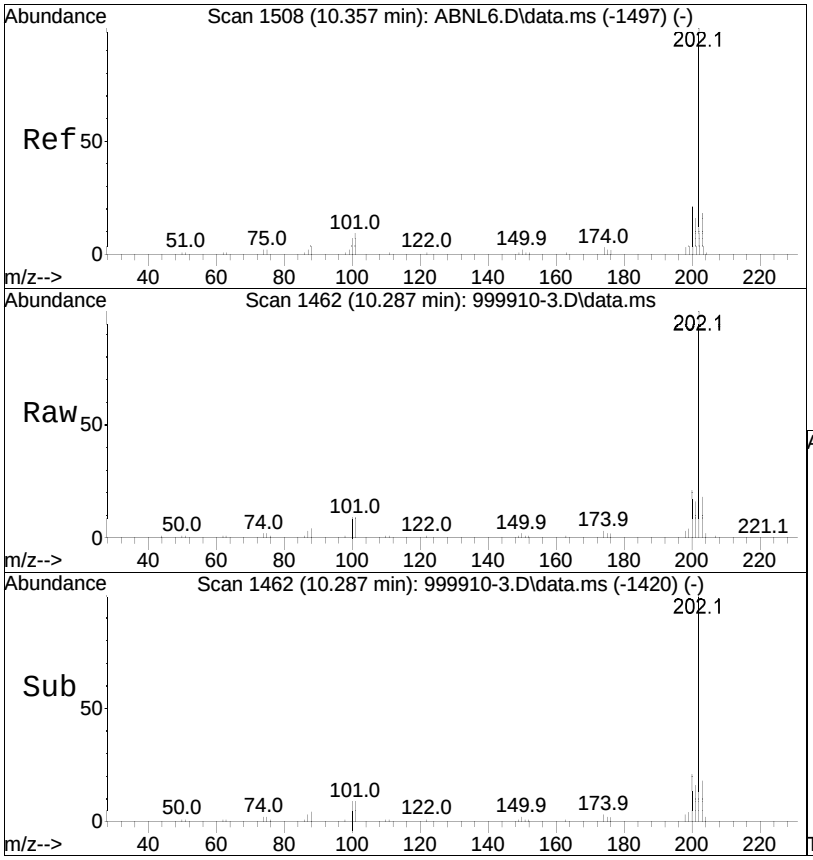


#90
Anthracene
Concen: 1.61 ug/ml
RT: 9.187 min Scan# 1275
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:178 Resp: 34566

Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.2	18.2
176	20.5	15.1	22.7

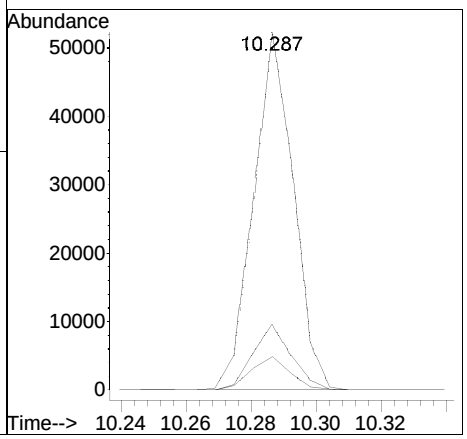


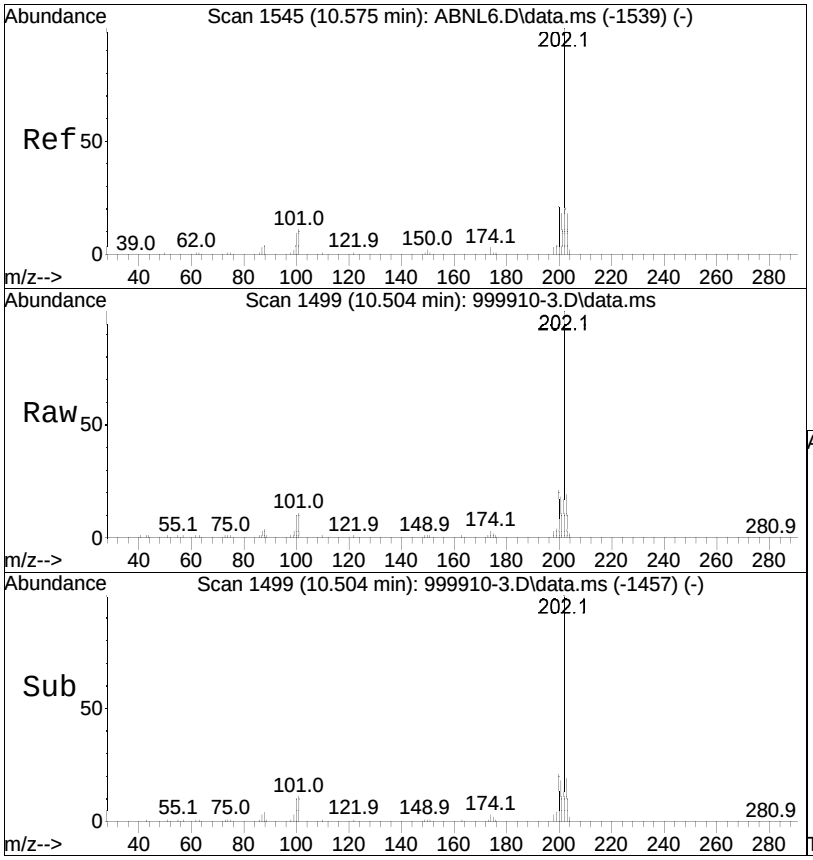


#93
Fluoranthene
Concen: 1.73 ug/ml
RT: 10.287 min Scan# 1462
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:202 Resp: 44008

Ion	Ratio	Lower	Upper
202	100		
101	9.3	11.2	16.8#
203	17.8	13.7	20.5

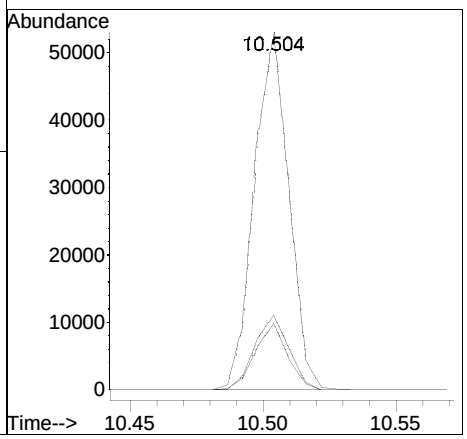


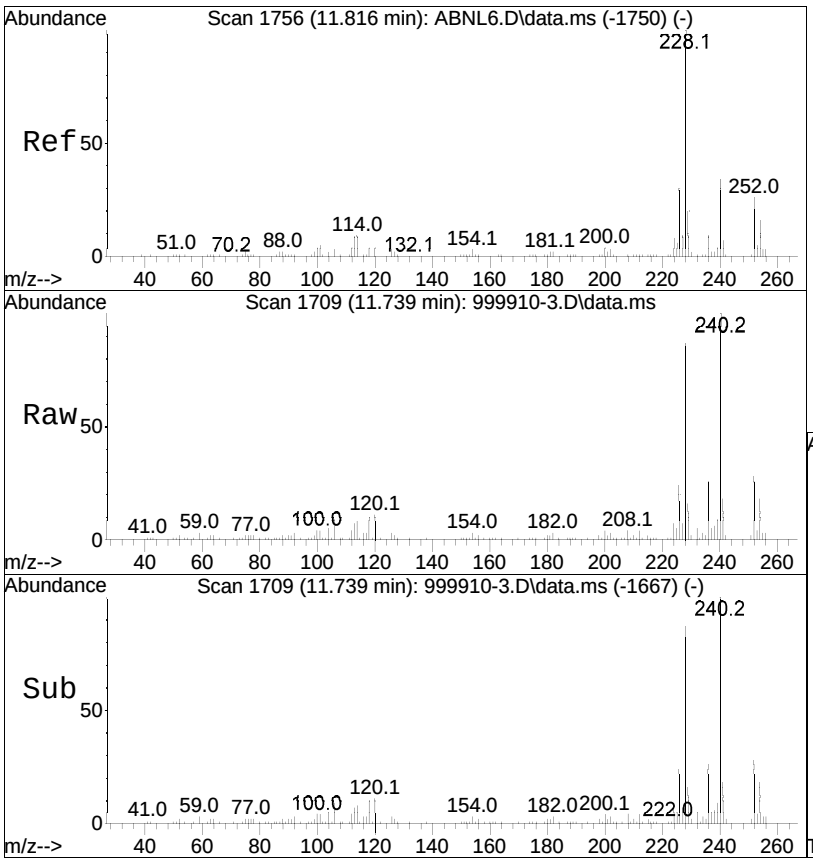


#95
Pyrene
Concen: 1.76 ug/ml
RT: 10.504 min Scan# 1499
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:202 Resp: 47343

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.6	14.3	21.5

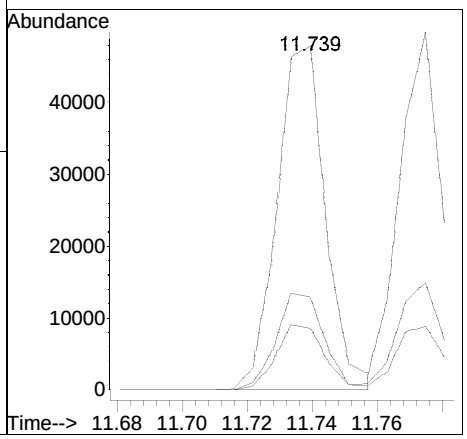


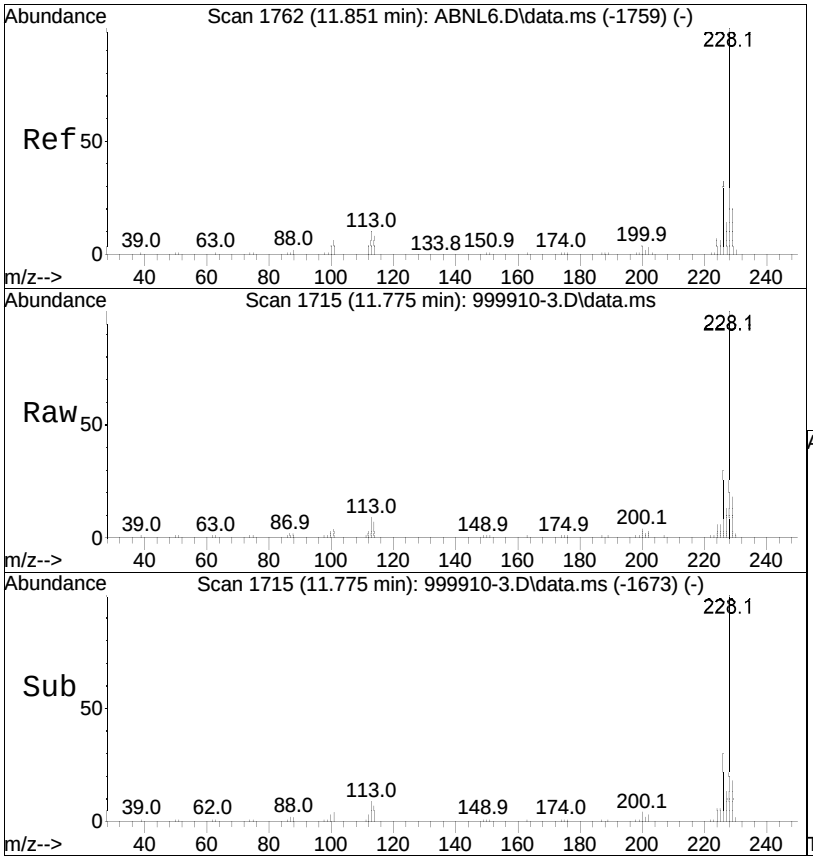


#105
Benzo(a)anthracene
Concen: 1.73 ug/ml
RT: 11.739 min Scan# 1709
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:228 Resp: 49483

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	34.0
229	19.2	15.8	23.6

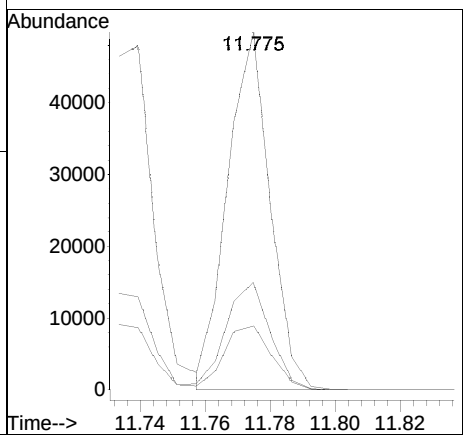


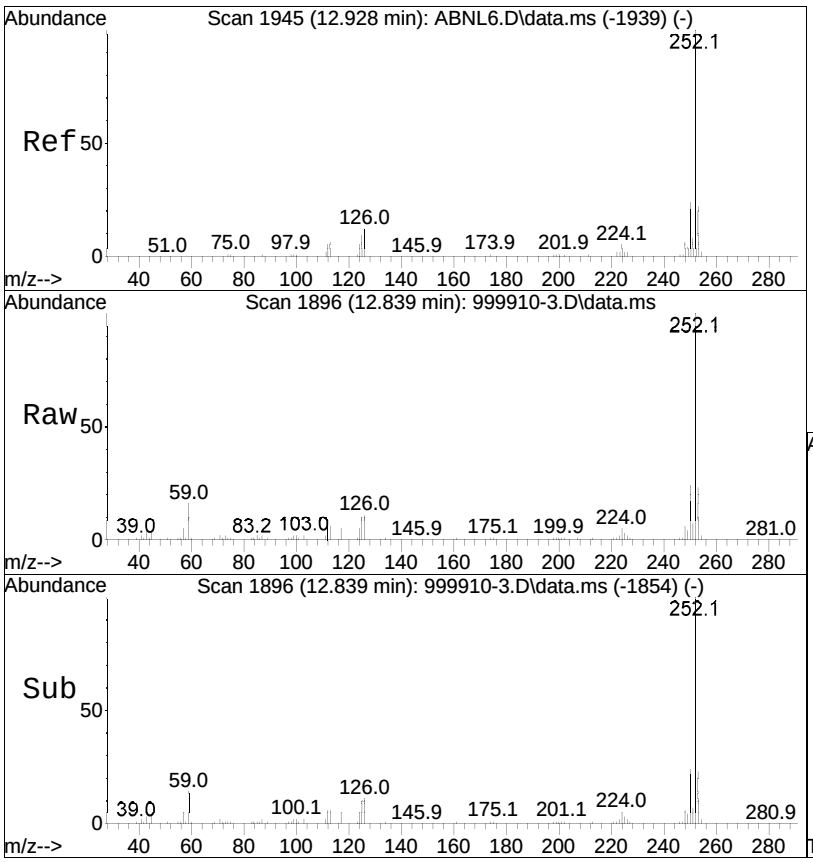


#107
Chrysene
Concen: 1.61 ug/ml
RT: 11.775 min Scan# 1715
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:228 Resp: 45239

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.7	37.1
229	19.9	15.5	23.3

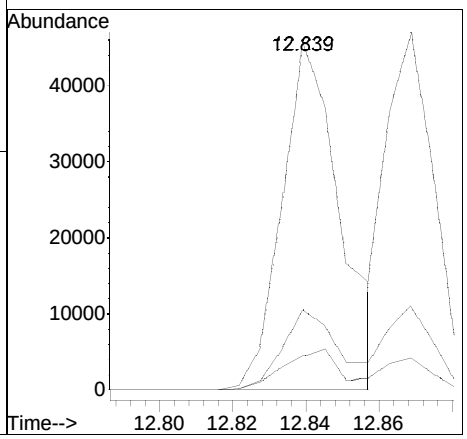


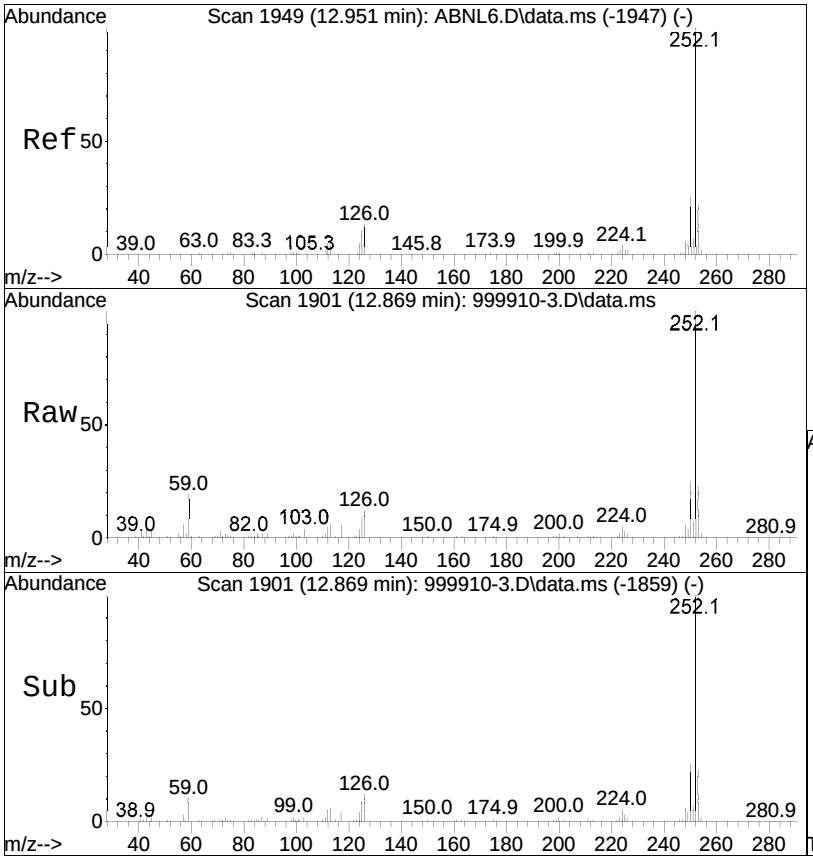


#110
Benzo(b)fluoranthene
Concen: 1.73 ug/ml
RT: 12.839 min Scan# 1896
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:252 Resp: 50786

Ion	Ratio	Lower	Upper
252	100		
125	11.7	11.3	16.9
253	20.4	17.8	26.8

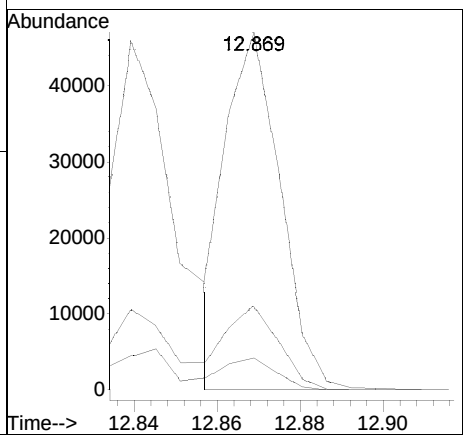


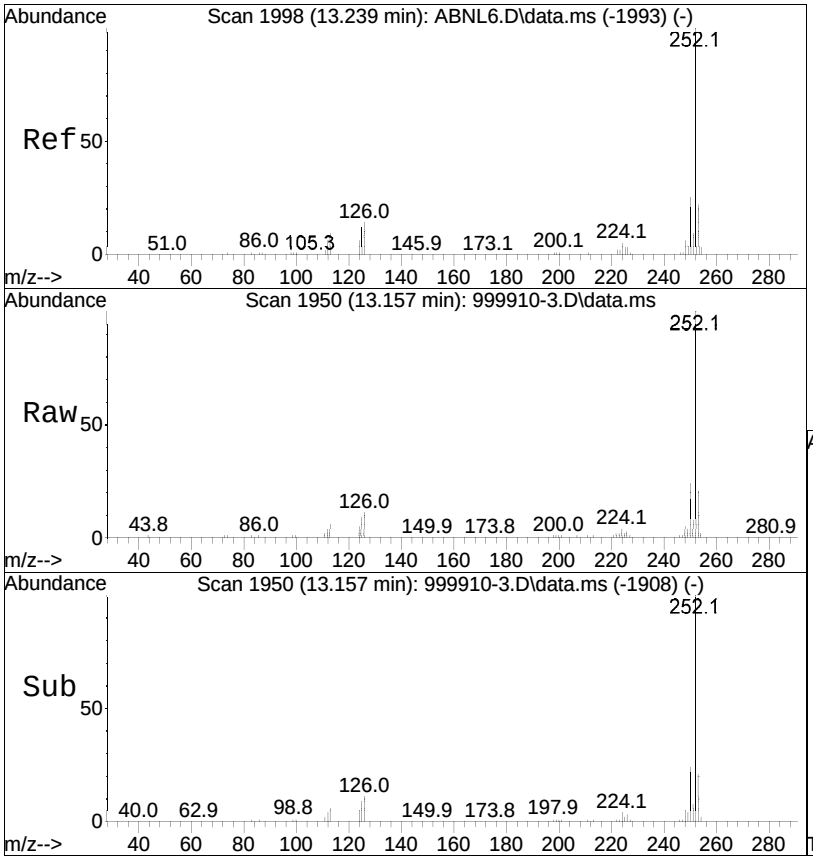


#111
Benzo(k)fluoranthene
Concen: 1.60 ug/ml M3
RT: 12.869 min Scan# 1901
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:252 Resp: 42942

Ion	Ratio	Lower	Upper
252	100		
125	13.9	11.5	17.3
253	24.1	17.6	26.4

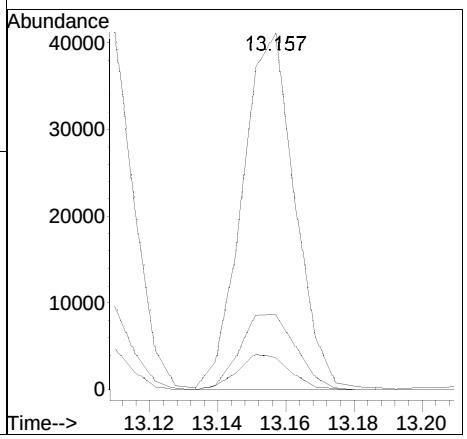


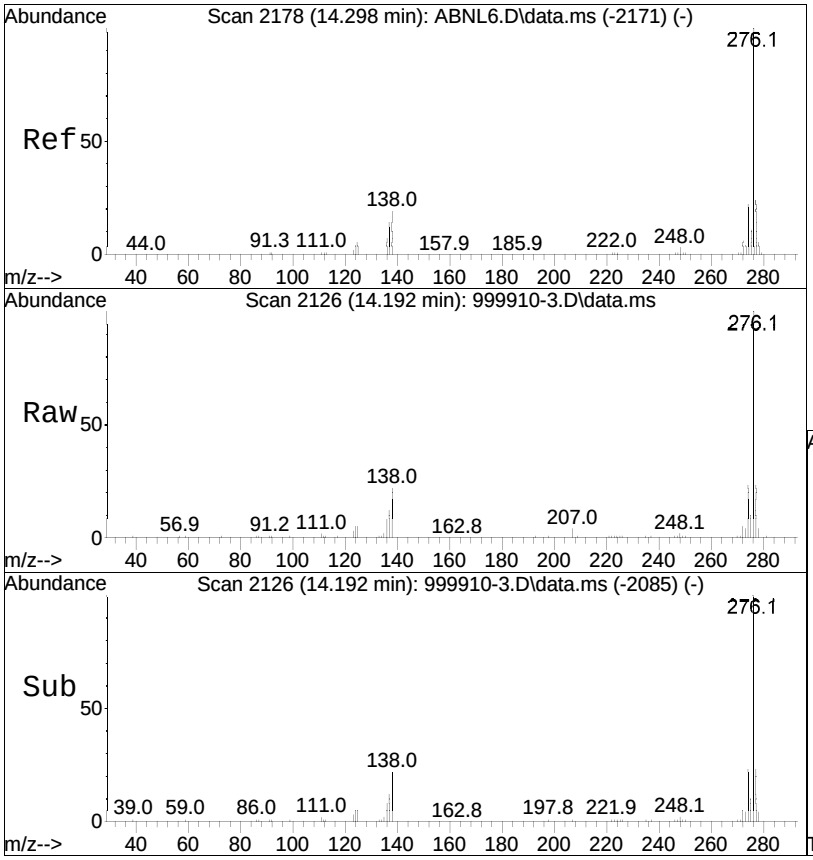


#112
Benzo(a)pyrene
Concen: 1.73 ug/ml M3
RT: 13.157 min Scan# 1950
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:252 Resp: 44287

Ion	Ratio	Lower	Upper
252	100		
125	14.0	12.6	18.8
253	22.5	17.5	26.3

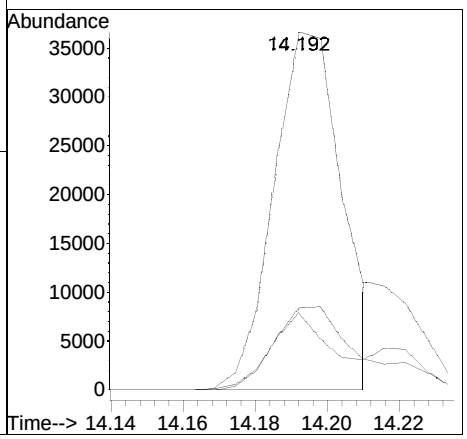


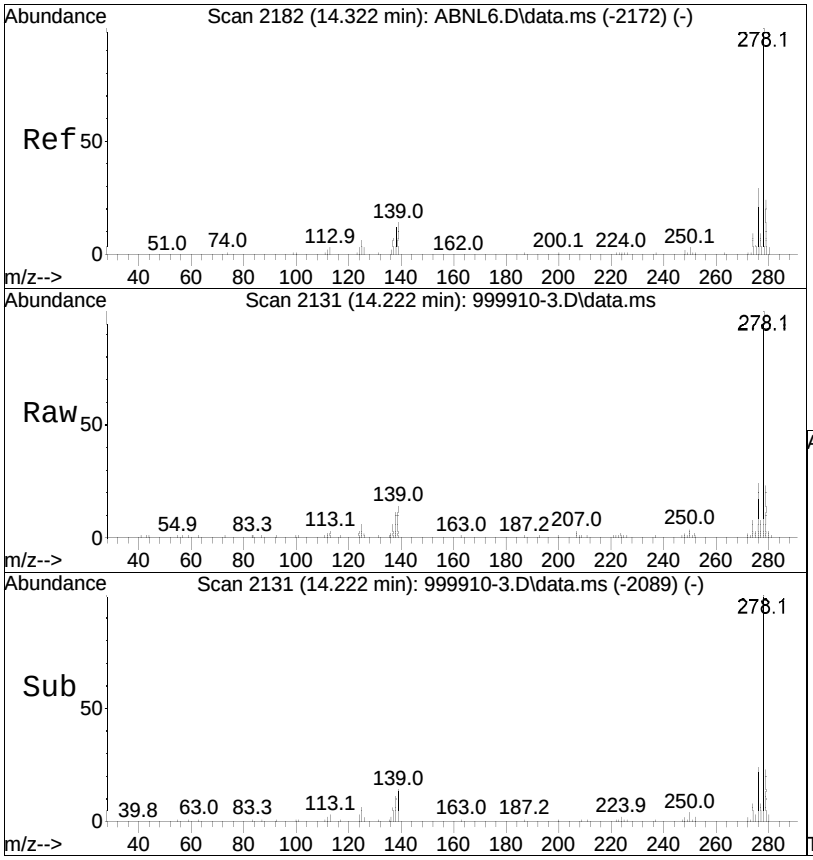


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.70 ug/mL M6
RT: 14.192 min Scan# 2126
Delta R.T. -0.006 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:276 Resp: 48532

Ion	Ratio	Lower	Upper
276	100		
138	20.2	22.1	33.1#
277	30.0	19.0	28.6#

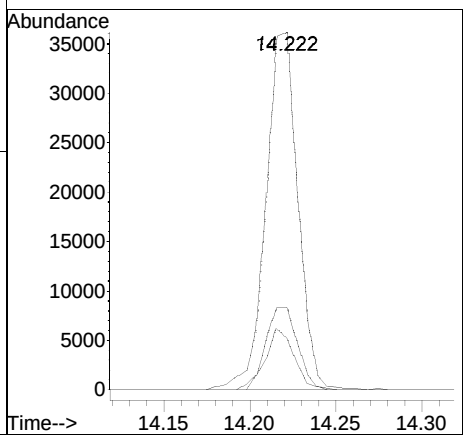


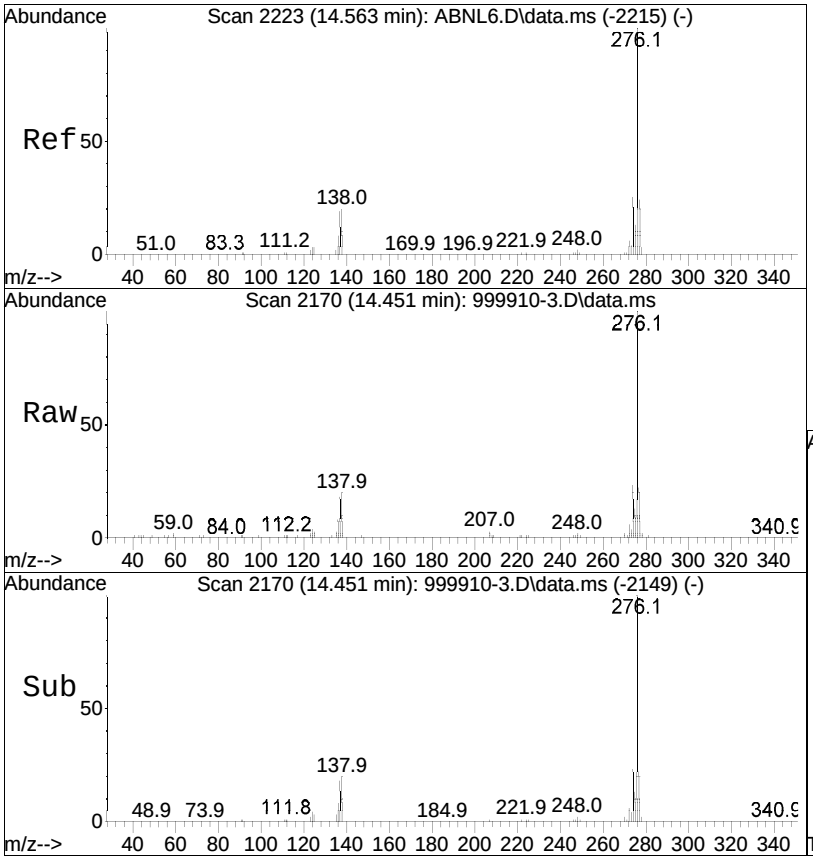


#115
Dibenzo(a,h)anthracene
Concen: 1.70 ug/ml
RT: 14.222 min Scan# 2131
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:278 Resp: 46277

Ion	Ratio	Lower	Upper
278	100		
139	15.2	17.8	26.8#
279	23.4	19.2	28.8

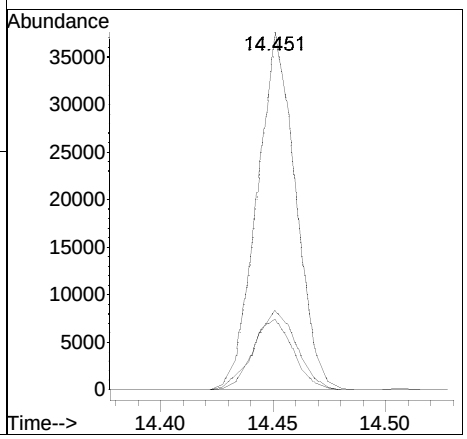




#116
Benzo(ghi)perylene
Concen: 1.62 ug/ml
RT: 14.451 min Scan# 2170
Delta R.T. -0.000 min
Lab File: 999910-3.D
Acq: 21 Nov 2024 01:13 am

Tgt Ion:276 Resp: 44524

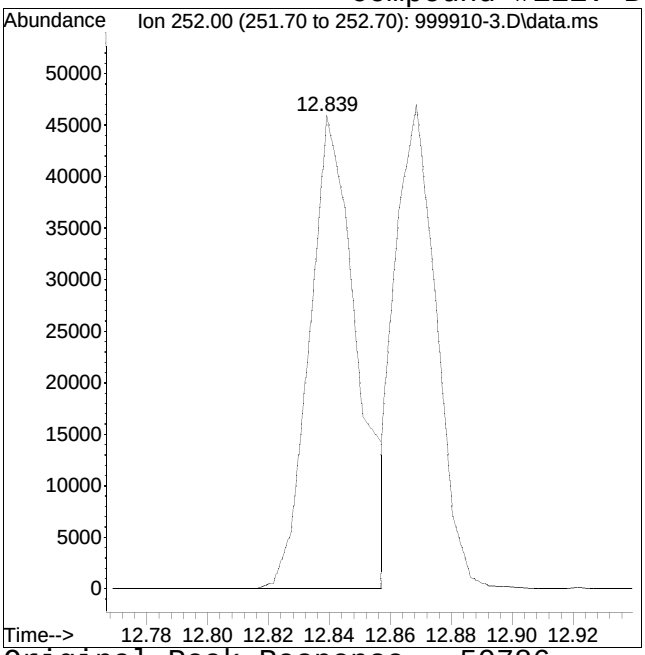
Ion	Ratio	Lower	Upper
276	100		
138	21.5	21.9	32.9#
277	24.0	18.4	27.6

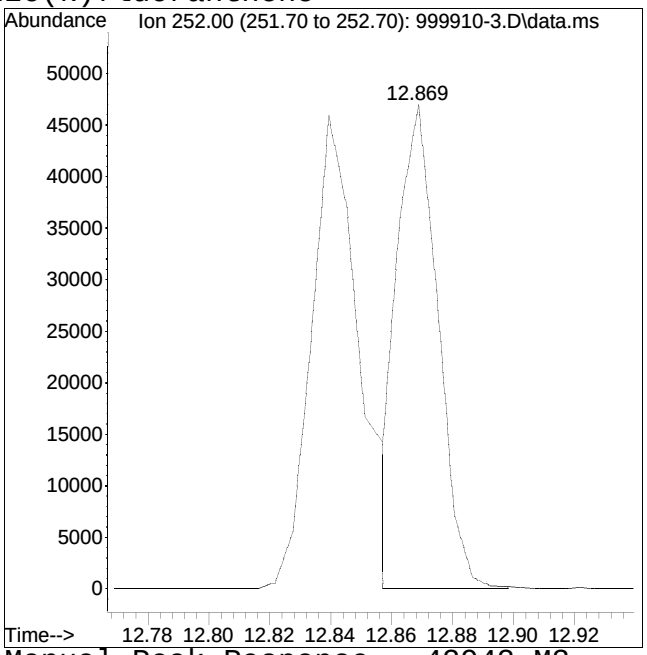


Manual Integration Report

Data Path : I:\8270\SV112\241120NRVT\ QMethod : FS240625SV112RVT.m
Data File : 999910-3.D Operator : SV112:smz
Date Inj'd : 11/21/2024 1:13 am Instrument : SV112
Sample : WG1999910-3,32,,ASK Quant Date : 11/21/2024 1:32 am

Compound #111: Benzo(k)fluoranthene





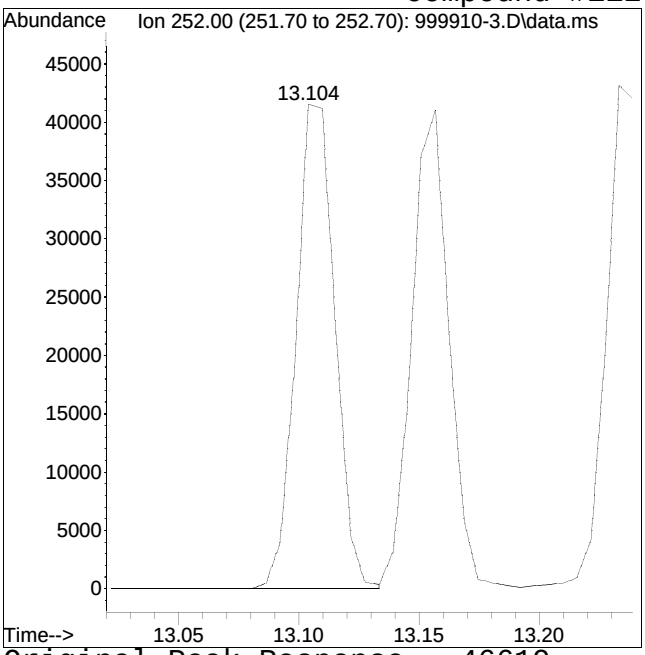
Original Peak Response = 50786 Manual Peak Response = 42942 M3

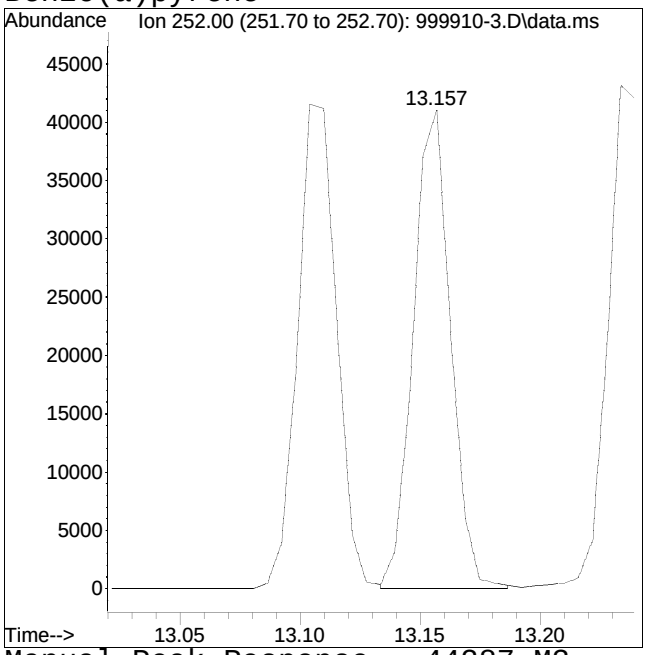
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241120NRVT\ QMethod : FS240625SV112RVT.m
Data File : 999910-3.D Operator : SV112:smz
Date Inj'd : 11/21/2024 1:13 am Instrument : SV112
Sample : WG1999910-3,32,,ASK Quant Date : 11/21/2024 1:32 am

Compound #112: Benzo(a)pyrene





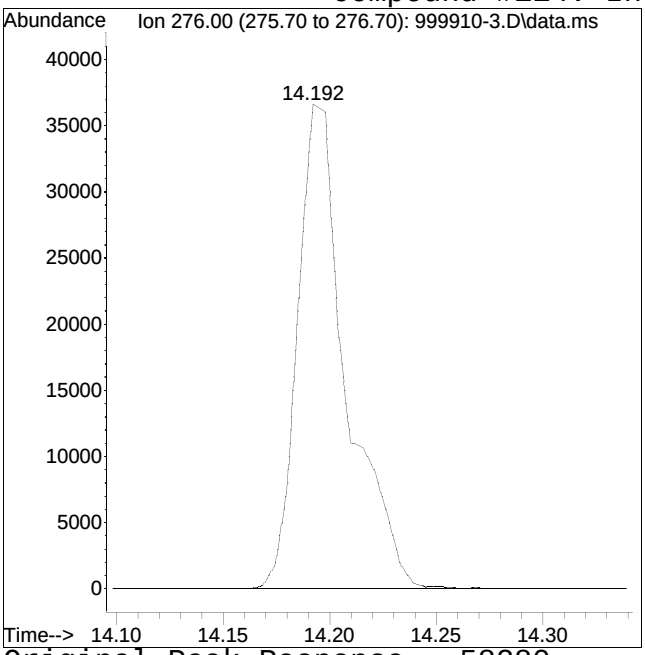
Original Peak Response = 46619 Manual Peak Response = 44287 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

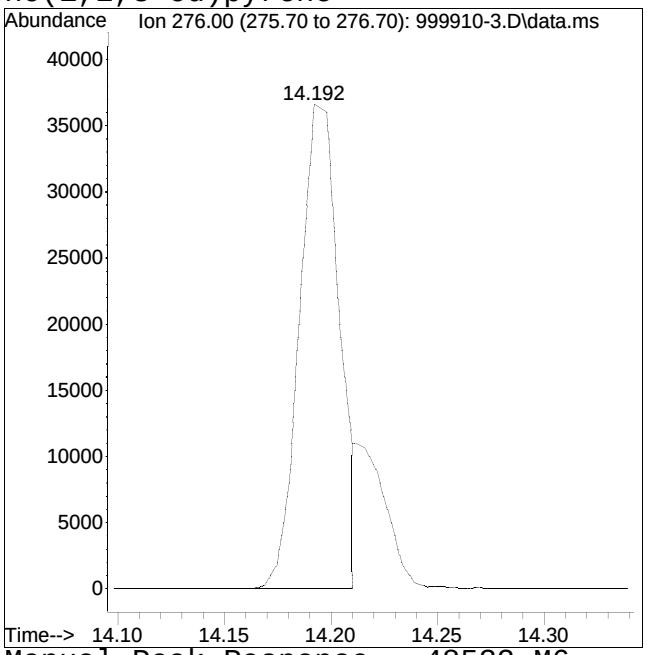
Manual Integration Report

Data Path : I:\8270\SV112\241120NRVT\ QMethod : FS240625SV112RVT.m
Data File : 999910-3.D Operator : SV112:smz
Date Inj'd : 11/21/2024 1:13 am Instrument : SV112
Sample : WG1999910-3,32,,ASK Quant Date : 11/21/2024 1:32 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 58280



Manual Peak Response = 48532 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-3.D
Acq On : 21 Nov 2024 10:50 pm
Operator : Dakota:smz
Sample : WG2000366-3,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 22 09:25:20 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.227	152	27477	4.000	ug/ml		0.00
Standard Area 1 = 36625			Recovery = 75.02%				
27) IS2_1,4-Dichlorobenzen...	4.227	152	27477	4.000	ug/ml		0.00
Standard Area 3 = 21746			Recovery = 126.35%				
32) IS3_1,4-Dichlorobenzen...	4.227	152	27477	4.000	ug/ml		0.00
Standard Area 2 = 21708			Recovery = 126.58%				
37) IS1_Naphthalene-d8	5.467	136	104455	4.000	ug/ml	#	0.00
Standard Area 1 = 133133			Recovery = 78.46%				
57) IS2_Naphthalene-d8	5.467	136	104455	4.000	ug/ml	#	0.00
Standard Area 3 = 81204			Recovery = 128.63%				
65) IS1_Acenaphthene-d10	7.158	164	67396	4.000	ug/ml		0.00
Standard Area 1 = 83215			Recovery = 80.99%				
85) IS2_Acenaphthene-d10	7.158	164	67396	4.000	ug/ml		0.00
Standard Area 3 = 55117			Recovery = 122.28%				
88) IS3_Acenaphthene-d10	7.158	164	67396	4.000	ug/ml		0.00
Standard Area 2 = 52036			Recovery = 129.52%				
90) IS1_Phenanthrene-d10	8.569	188	149696	4.000	ug/ml		0.00
Standard Area 1 = 172652			Recovery = 86.70%				
102) IS3_Phenanthrene-d10	8.569	188	149696	4.000	ug/ml		0.00
Standard Area 2 = 118647			Recovery = 126.17%				
106) IS1_Chrysene-d12	11.133	240	173839	4.000	ug/ml		0.00
Standard Area 1 = 200340			Recovery = 86.77%				
115) IS1_Perylene-d12	12.550	264	213328	4.000	ug/ml		0.00
Standard Area 1 = 248466			Recovery = 85.86%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.927	112	5667	0.802	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 40.10%				
7) Phenol-d6	3.928	99	5081	0.562	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 28.10%				
19) Nitrobenzene-d5	4.780	82	4628	0.564	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 56.40%				
48) 2-Fluorobiphenyl	6.539	172	12871	0.498	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 49.80%				
81) 2,4,6-Tribromophenol	7.913	330	6049	1.256	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 62.80%				

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-3.D
Acq On : 21 Nov 2024 10:50 pm
Operator : Dakota:smz
Sample : WG2000366-3,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 22 09:25:20 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.138	244	26461	0.611	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 61.10%

Target Compounds						Qvalue
38) Naphthalene	5.485	128	28001	0.975	ug/ml	99
54) Acenaphthylene	7.015	152	35367	1.082	ug/ml	100
67) Acenaphthene	7.186	154	21825	1.114	ug/ml	87
75) Fluorene	7.683	166	30963	1.196	ug/ml	89
91) Phenanthrene	8.590	178	58382	1.319	ug/ml	99
92) Anthracene	8.640	178	56561	1.303	ug/ml	99
95) Fluoranthene	9.728	202	74111	1.392	ug/ml#	92
97) Pyrene	9.936	202	77809	1.368	ug/ml	99
107) Benzo(a)anthracene	11.127	228	78568	1.334	ug/ml	99
109) Chrysene	11.158	228	78527	1.339	ug/ml	98
112) Benzo(b)fluoranthene	12.193	252	85716	1.389	ug/ml#	94
113) Benzo(k)fluoranthene	12.218	252	85414M3	1.421	ug/ml	
114) Benzo(a)pyrene	12.494	252	77943M3	1.416	ug/ml	
116) Indeno(1,2,3-cd)pyrene	13.483	276	86755	1.318	ug/mL#	89
117) Dibenzo(a,h)anthracene	13.511	278	89702	1.387	ug/ml#	90
118) Benzo(ghi)perylene	13.691	276	86034	1.353	ug/ml#	87

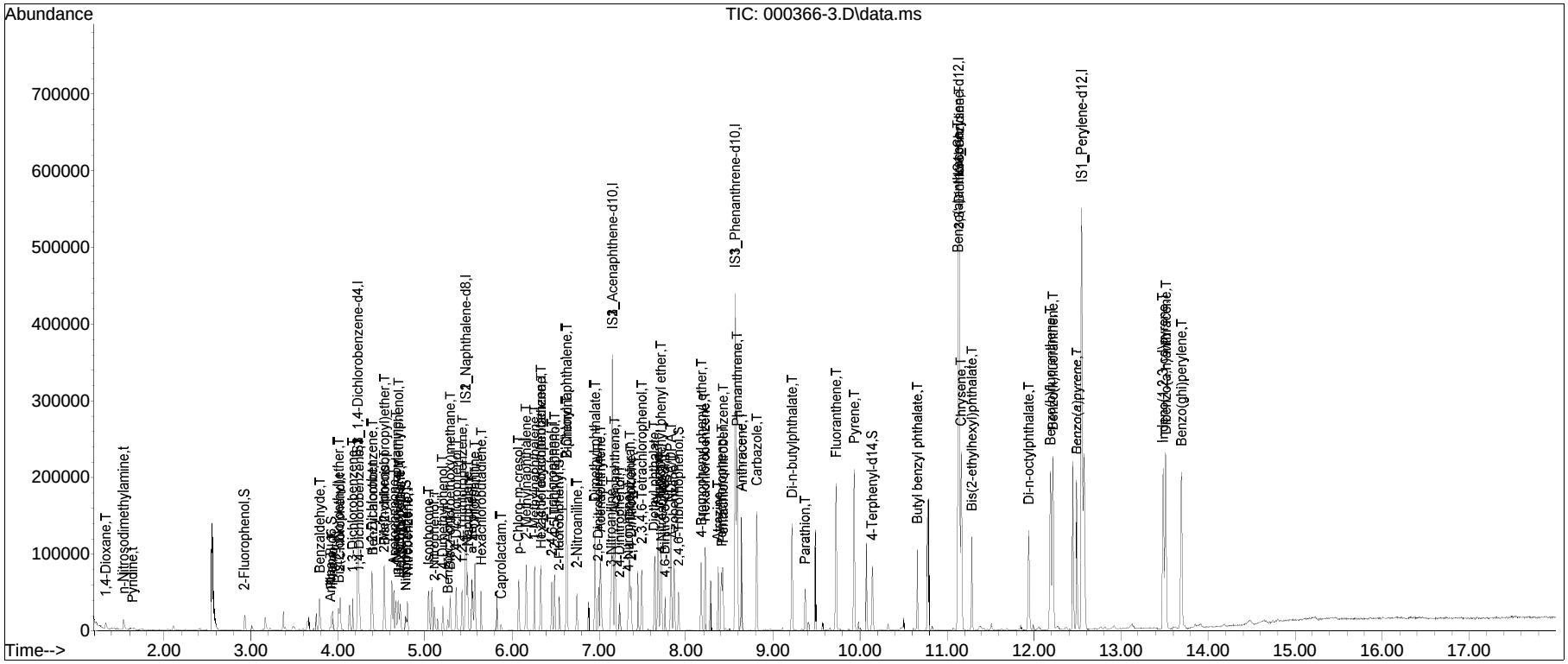
(#) = qualifier out of range (m) = manual integration (+) = signals summed

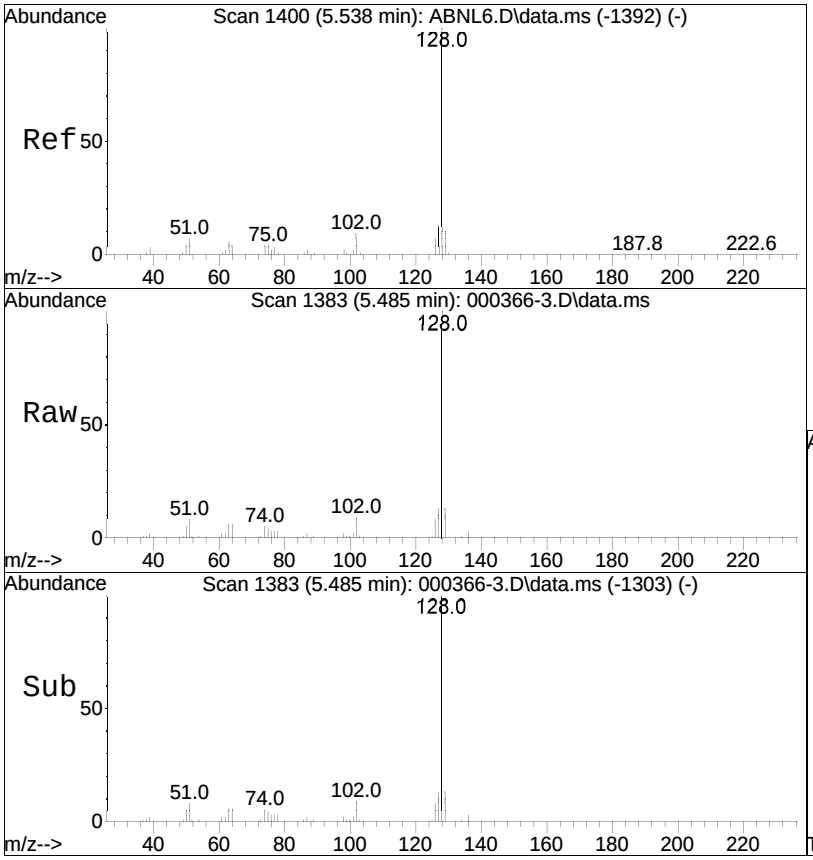
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-3.D
Acq On : 21 Nov 2024 10:50 pm
Operator : Dakota:smz
Sample : WG2000366-3,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 22 09:25:20 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA1RVT\AP91121.D•

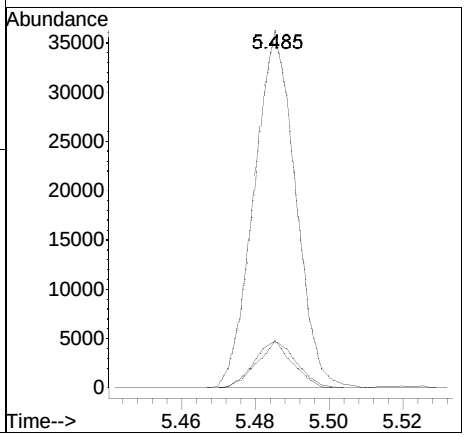


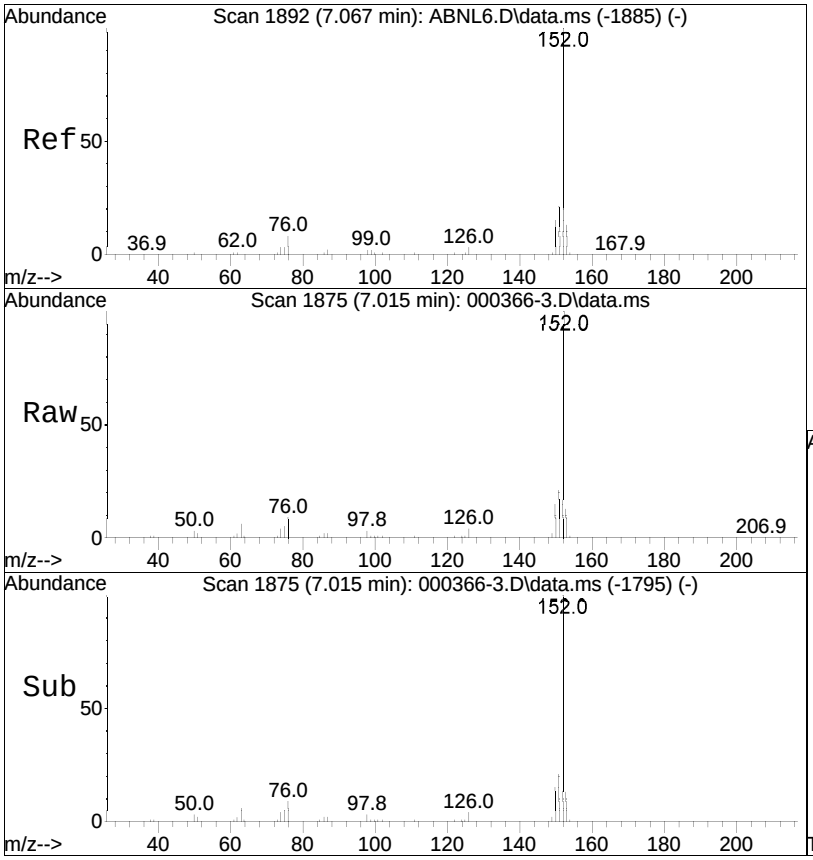


#38
Naphthalene
Concen: 0.97 ug/ml
RT: 5.485 min Scan# 1383
Delta R.T. 0.000 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:128 Resp: 28001

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.7	13.1
127	13.4	10.3	15.5

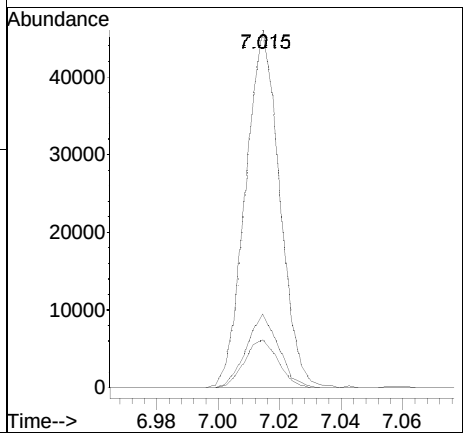


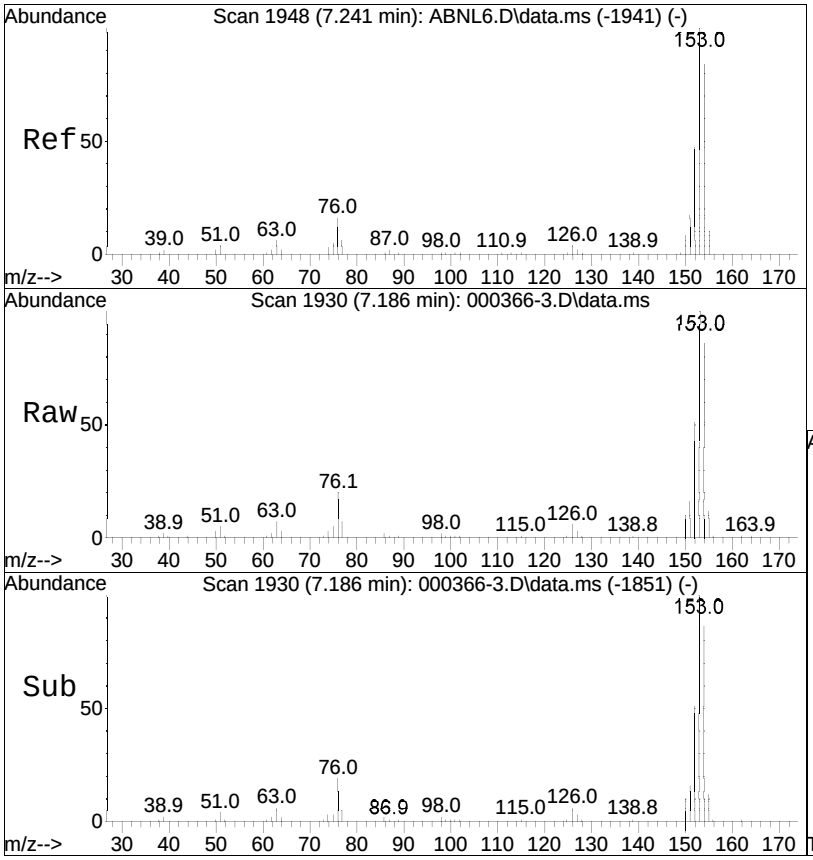


#54
Acenaphthylene
Concen: 1.08 ug/ml
RT: 7.015 min Scan# 1875
Delta R.T. 0.000 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:152 Resp: 35367

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.3	10.5	15.7

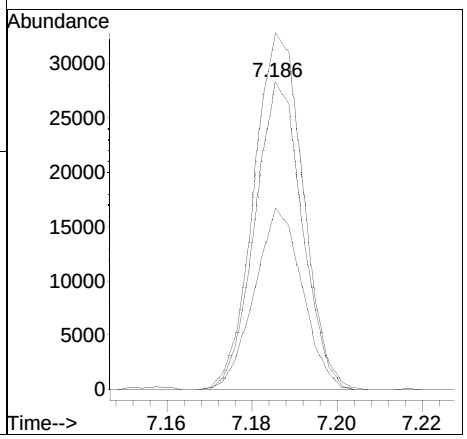


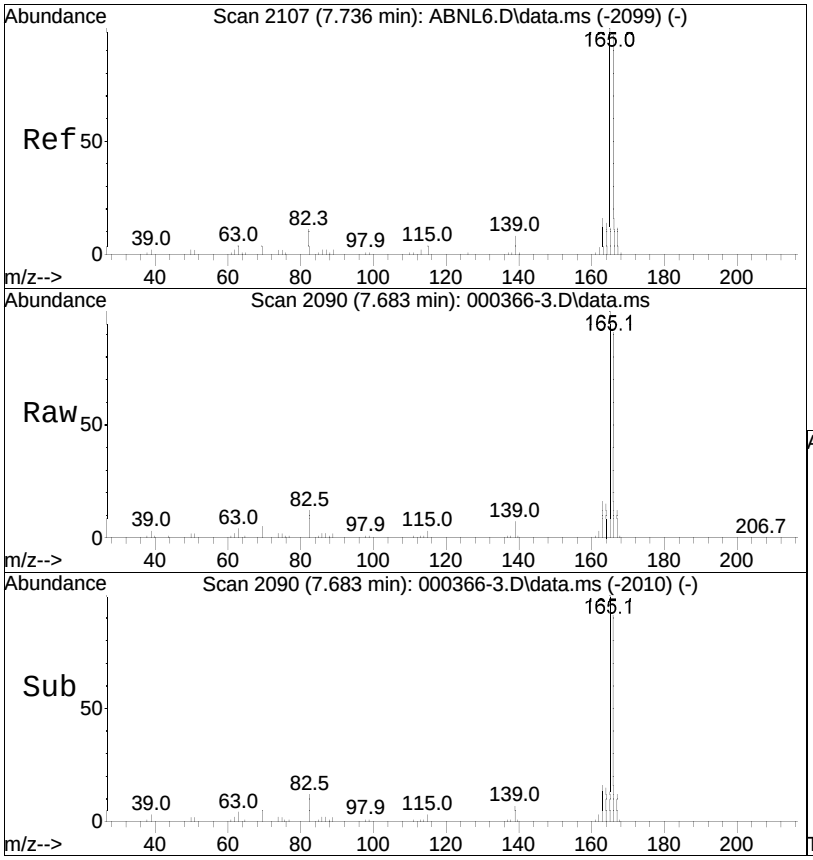


#67
Acenaphthene
Concen: 1.11 ug/ml
RT: 7.186 min Scan# 1930
Delta R.T. -0.003 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:154 Resp: 21825

Ion	Ratio	Lower	Upper
154	100		
153	120.9	85.3	127.9
152	60.2	41.4	62.0

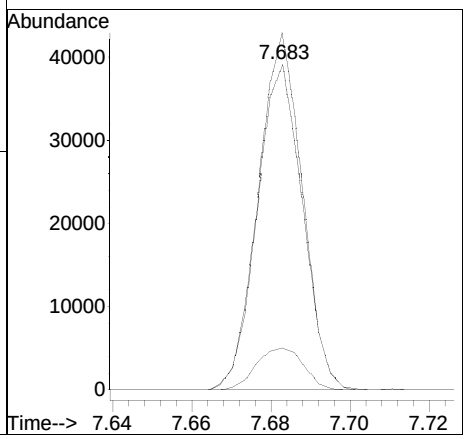


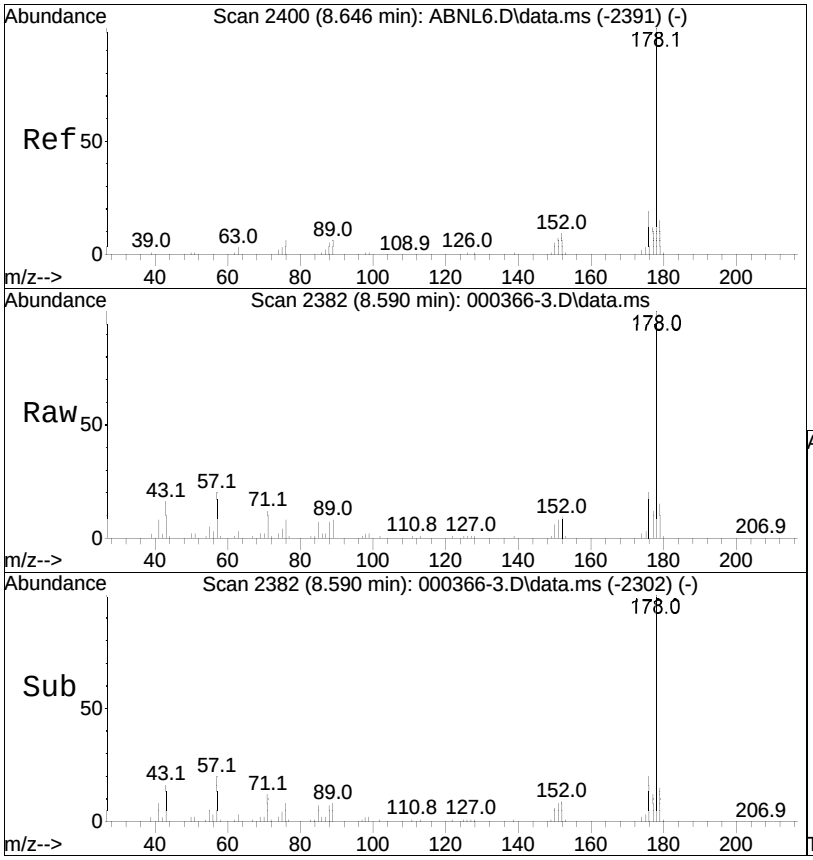


#75
Fluorene
Concen: 1.20 ug/ml
RT: 7.683 min Scan# 2090
Delta R.T. 0.000 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:166 Resp: 30963

Ion	Ratio	Lower	Upper
166	100		
165	107.0	76.2	114.2
167	13.7	10.6	15.8

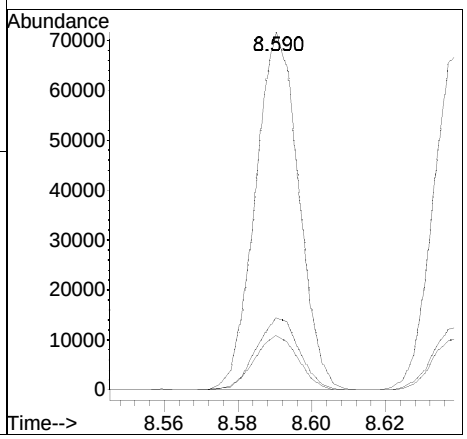


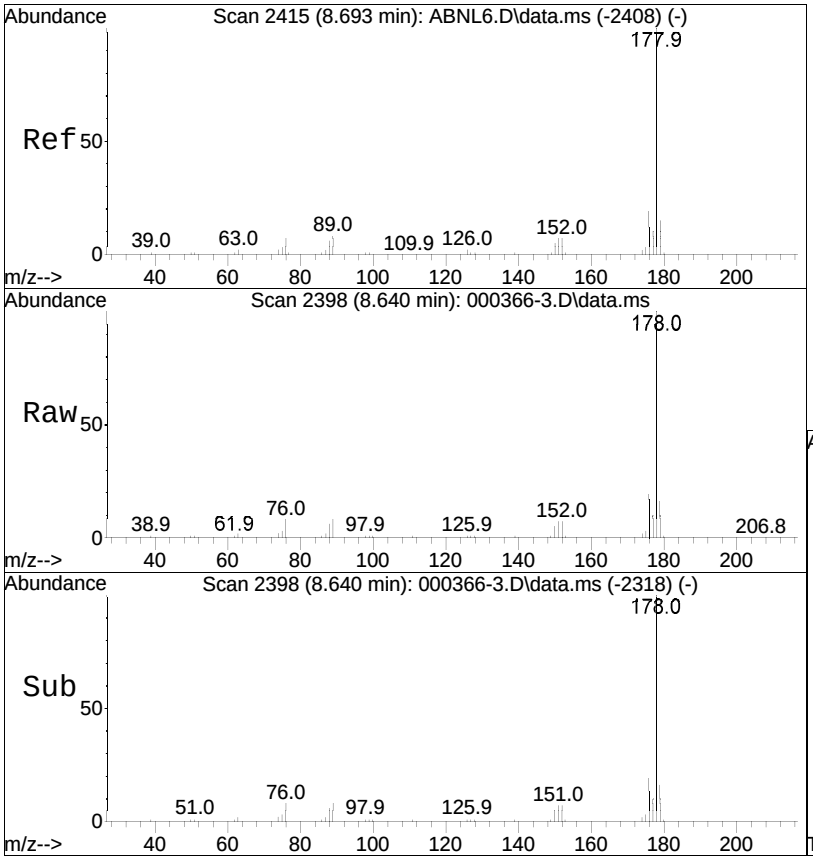


#91
Phenanthrene
Concen: 1.32 ug/ml
RT: 8.590 min Scan# 2382
Delta R.T. 0.000 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:178 Resp: 58382

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	20.1	15.4	23.2

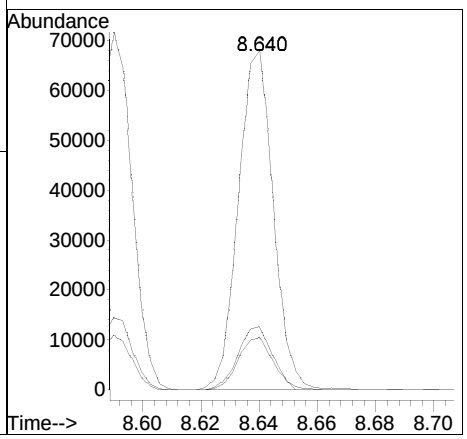


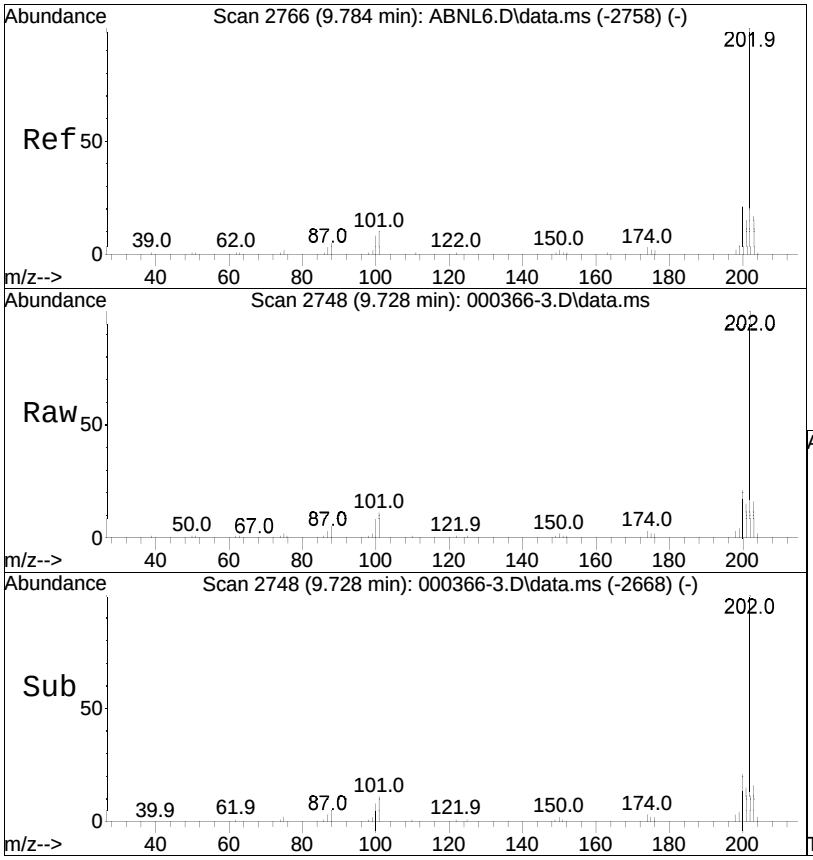


#92
Anthracene
Concen: 1.30 ug/ml
RT: 8.640 min Scan# 2398
Delta R.T. 0.000 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:178 Resp: 56561

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	18.6	14.6	22.0

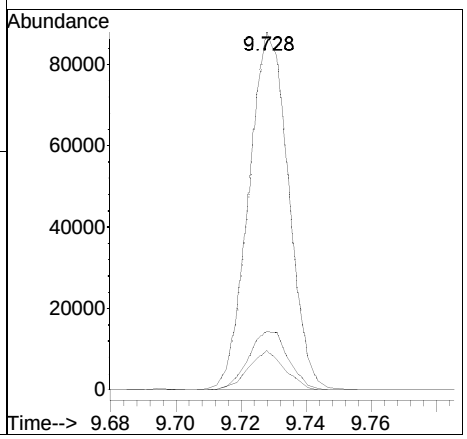


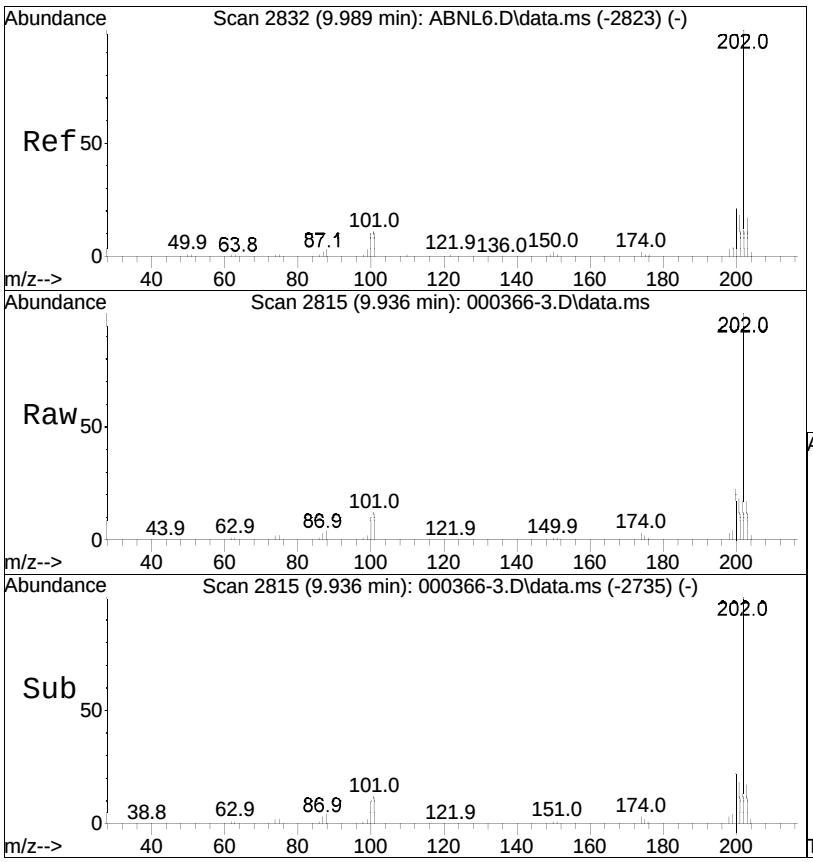


#95
Fluoranthene
Concen: 1.39 ug/ml
RT: 9.728 min Scan# 2748
Delta R.T. 0.000 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:202 Resp: 74111

Ion	Ratio	Lower	Upper
202	100		
101	10.1	13.5	20.3#
203	16.5	13.6	20.4

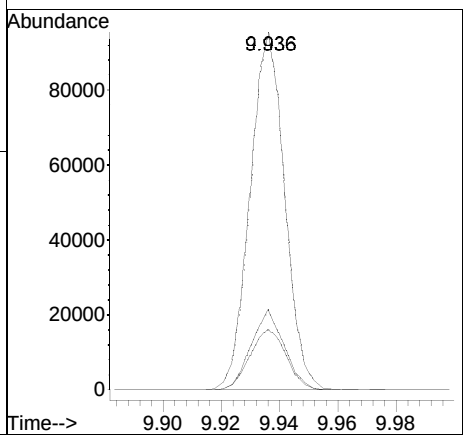


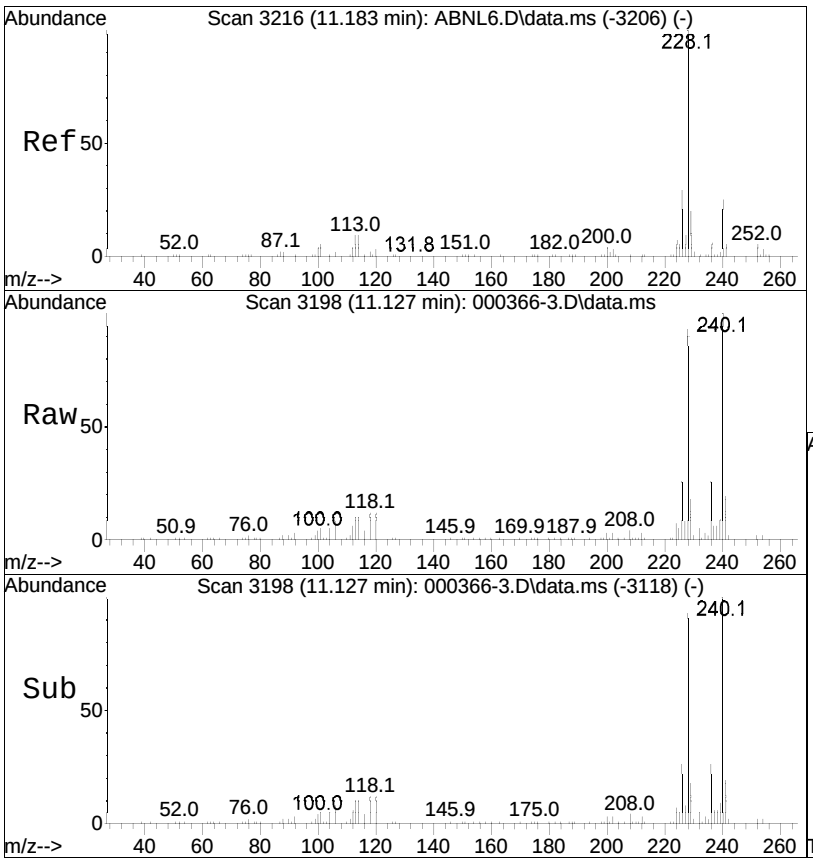


#97
Pyrene
Concen: 1.37 ug/ml
RT: 9.936 min Scan# 2815
Delta R.T. 0.000 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:202 Resp: 77809

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	17.8	14.2	21.4

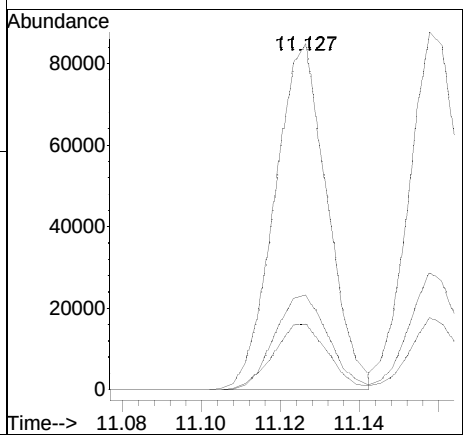


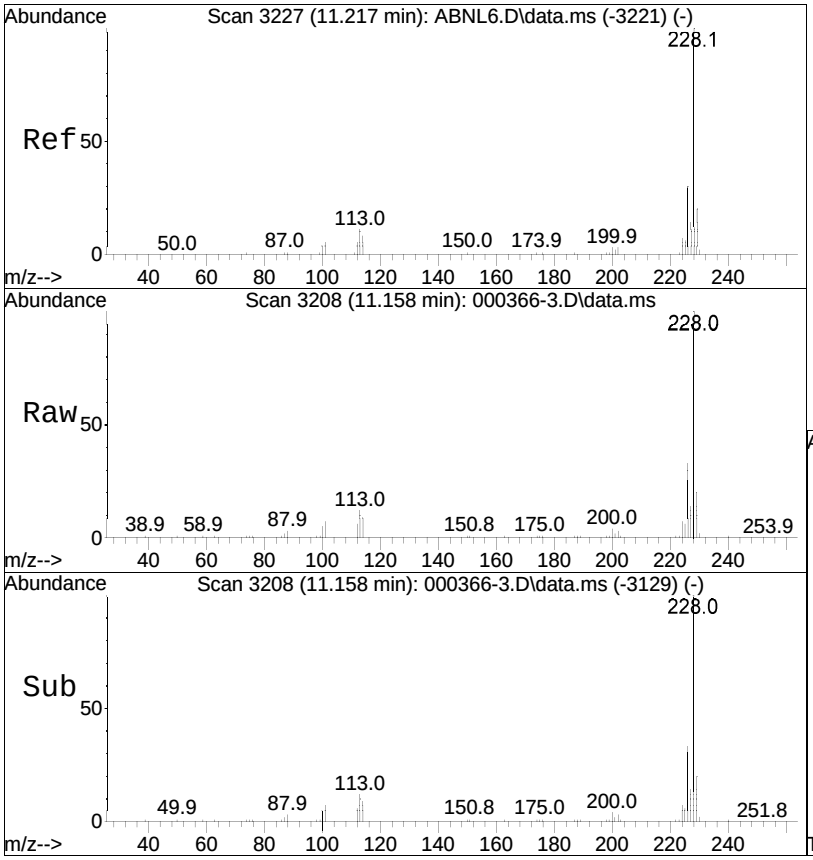


#107
Benzo(a)anthracene
Concen: 1.33 ug/ml
RT: 11.127 min Scan# 3198
Delta R.T. 0.000 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:228 Resp: 78568

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.2	33.4
229	19.7	15.6	23.4

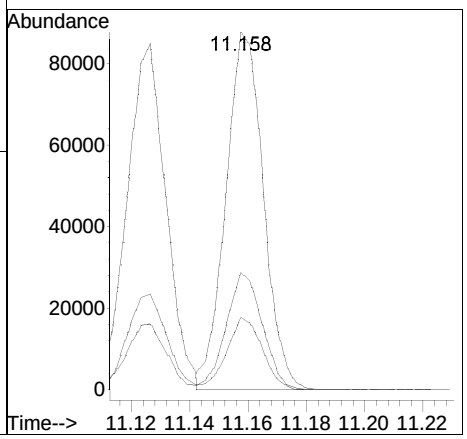


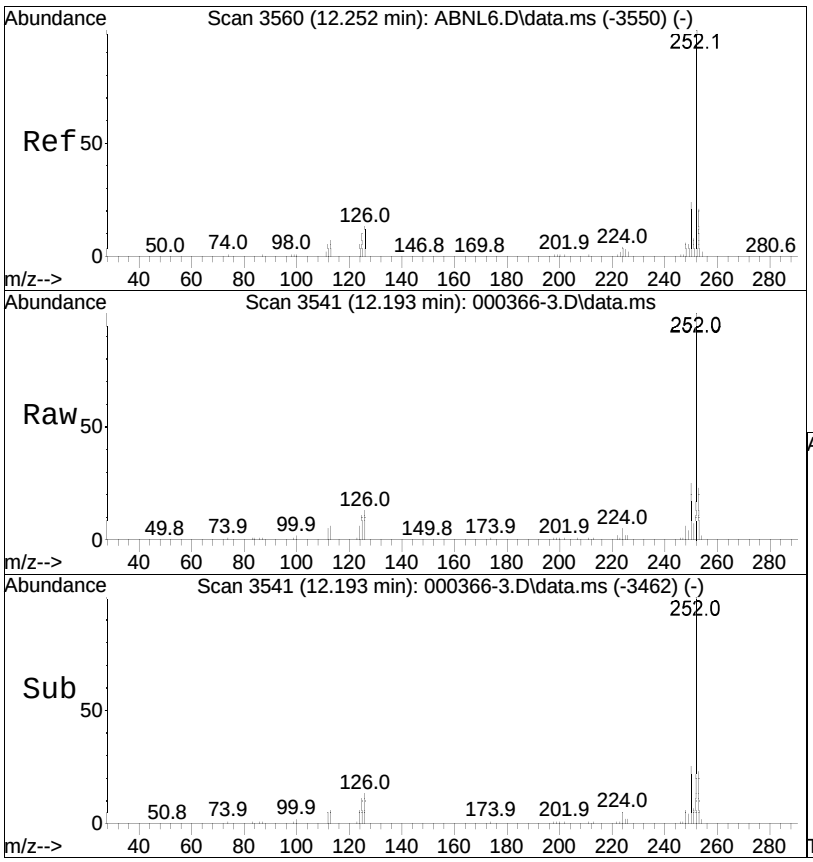


#109
Chrysene
Concen: 1.34 ug/ml
RT: 11.158 min Scan# 3208
Delta R.T. -0.003 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:228 Resp: 78527

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.0	36.0
229	19.2	15.8	23.8

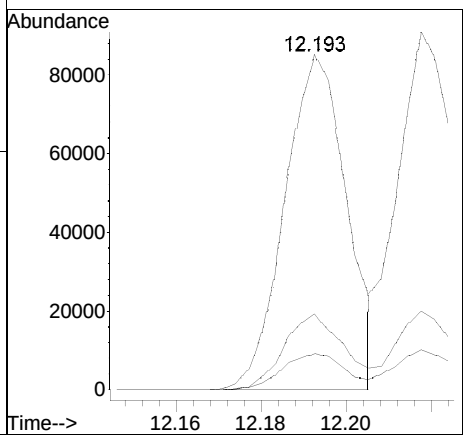


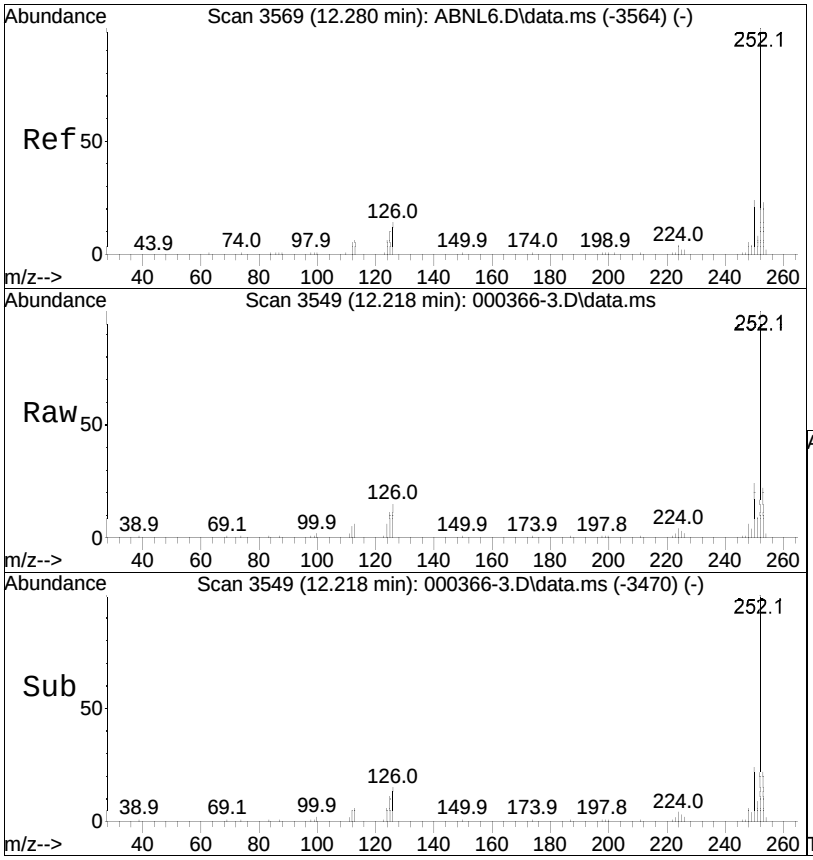


#112
Benzo(b)fluoranthene
Concen: 1.39 ug/ml
RT: 12.193 min Scan# 3541
Delta R.T. -0.003 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:252 Resp: 85716

Ion	Ratio	Lower	Upper
252	100		
125	11.2	13.3	19.9#
253	22.0	17.1	25.7

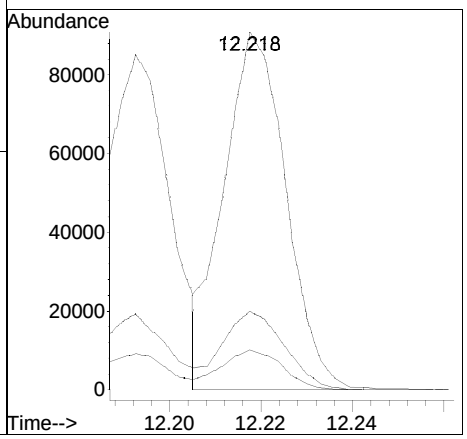


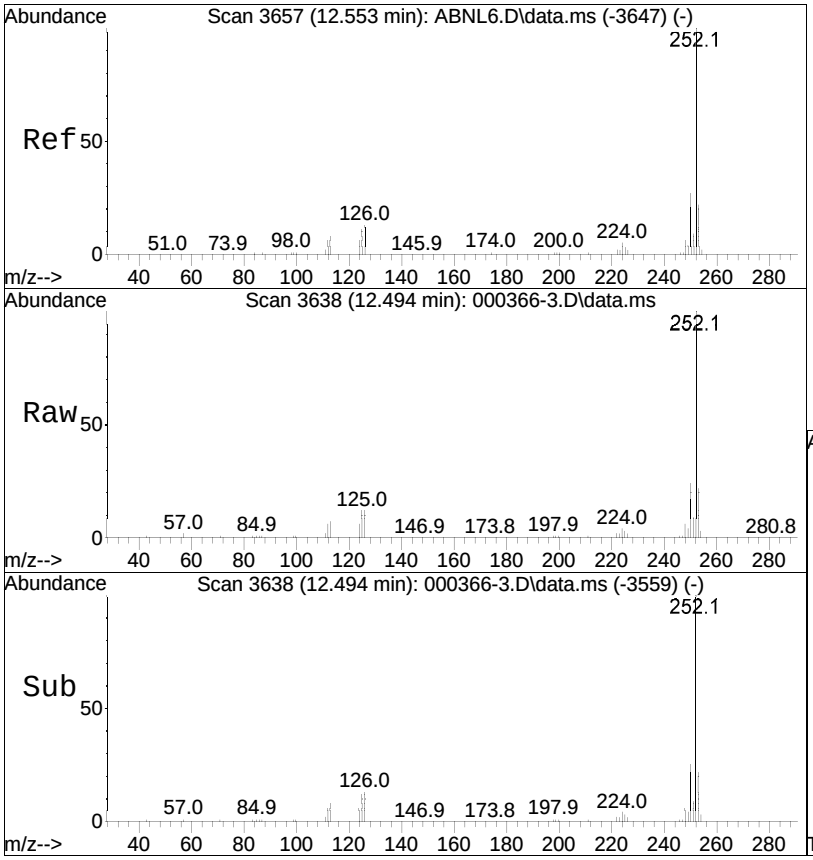


#113
Benzo(k)fluoranthene
Concen: 1.42 ug/ml M3
RT: 12.218 min Scan# 3549
Delta R.T. -0.003 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:252 Resp: 85414

Ion	Ratio	Lower	Upper
252	100		
125	15.4	13.0	19.6
253	20.5	16.8	25.2

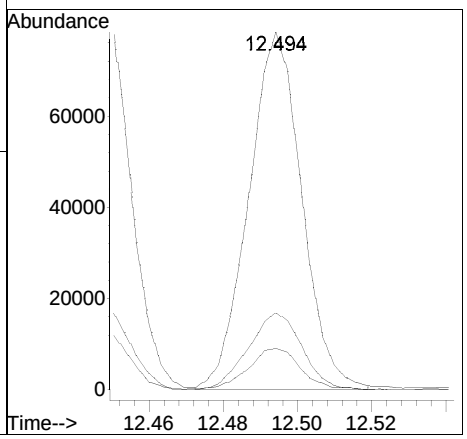


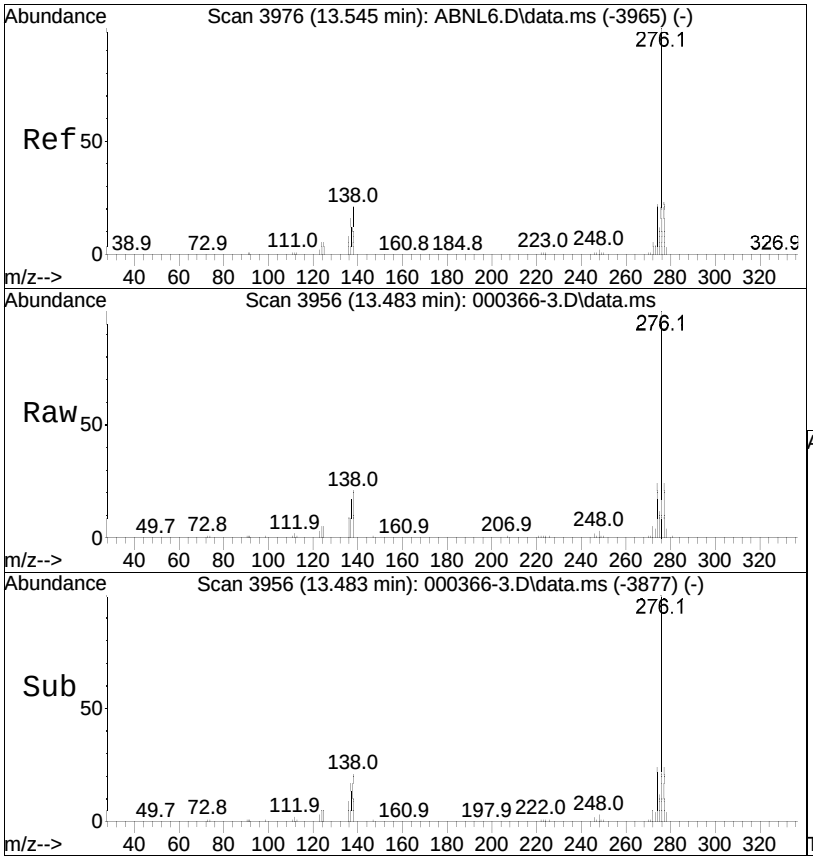


#114
Benzo(a)pyrene
Concen: 1.42 ug/ml M3
RT: 12.494 min Scan# 3638
Delta R.T. -0.003 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:252 Resp: 77943

Ion	Ratio	Lower	Upper
252	100		
125	17.6	14.2	21.2
253	23.7	16.9	25.3

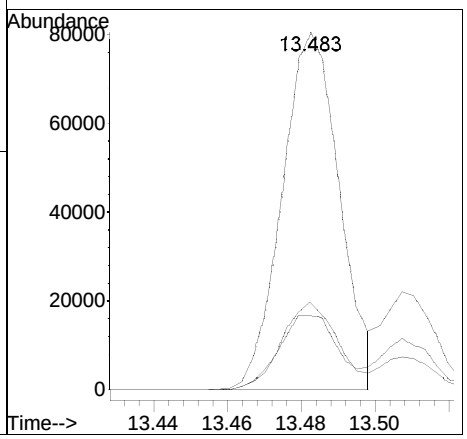


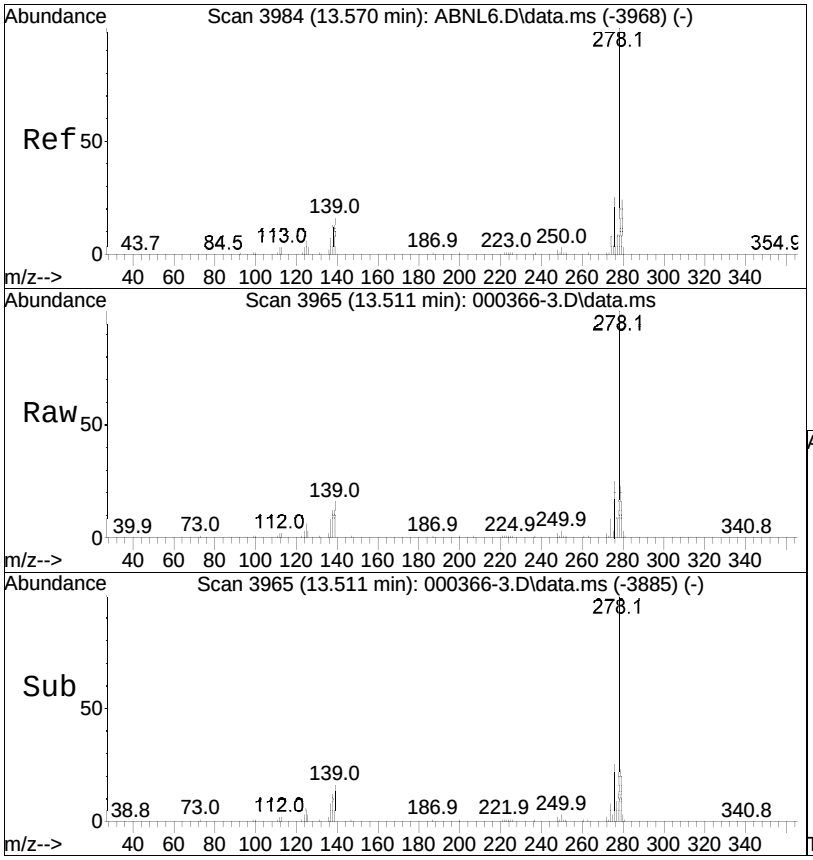


#116
Indeno(1,2,3-cd)pyrene
Concen: 1.32 ug/mL
RT: 13.483 min Scan# 3956
Delta R.T. -0.003 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:276 Resp: 86755

Ion	Ratio	Lower	Upper
276	100		
138	21.5	25.1	37.7#
277	24.4	18.6	28.0

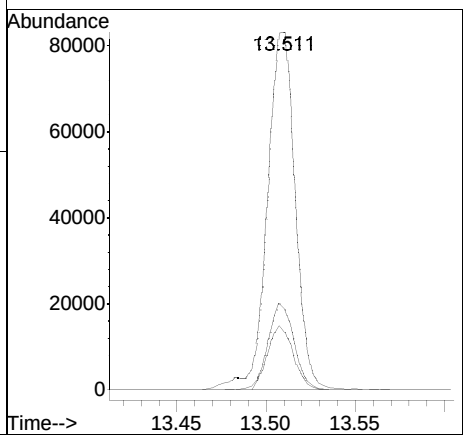


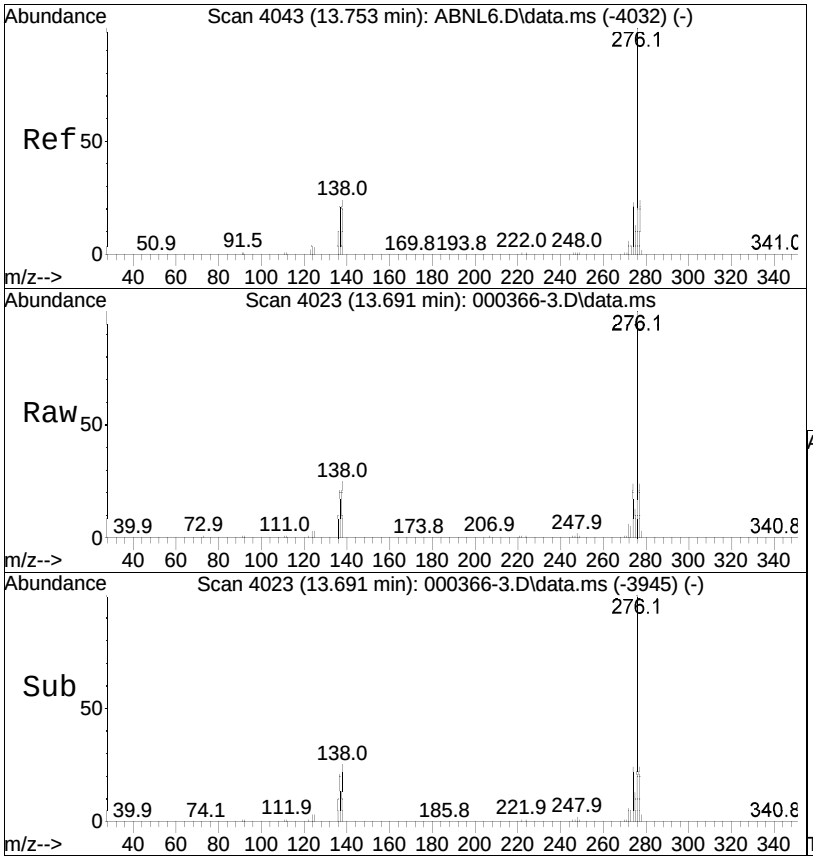


#117
Dibenzo(a,h)anthracene
Concen: 1.39 ug/ml
RT: 13.511 min Scan# 3965
Delta R.T. 0.000 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:278 Resp: 89702

Ion	Ratio	Lower	Upper
278	100		
139	16.6	20.8	31.2#
279	22.7	18.3	27.5

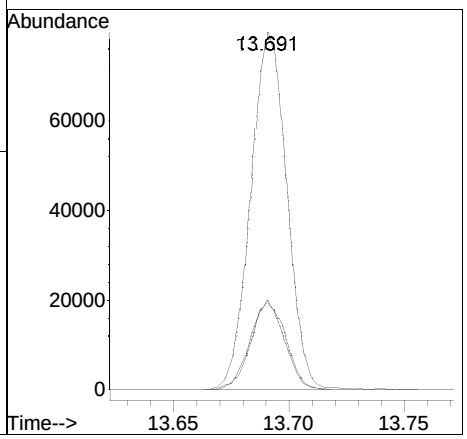




#118
Benzo(ghi)perylene
Concen: 1.35 ug/ml
RT: 13.691 min Scan# 4023
Delta R.T. -0.006 min
Lab File: 000366-3.D
Acq: 21 Nov 2024 10:50 pm

Tgt Ion:276 Resp: 86034

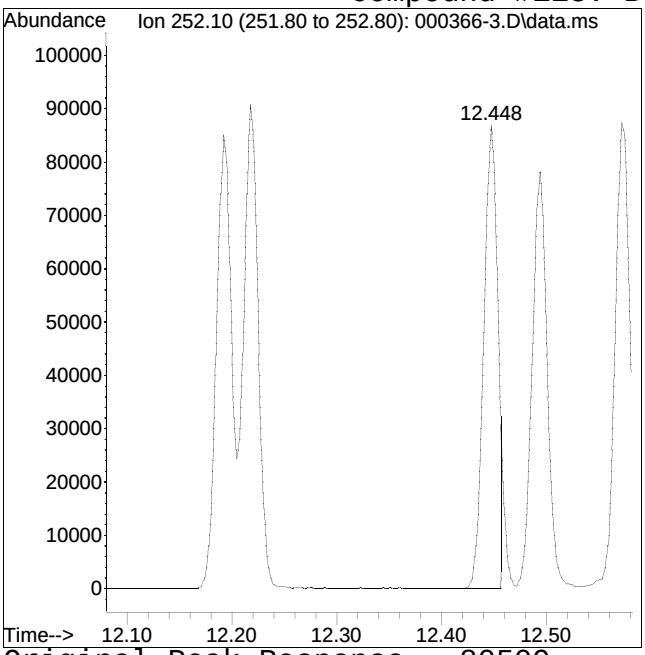
Ion	Ratio	Lower	Upper
276	100		
138	24.0	29.2	43.8#
277	24.1	18.8	28.2

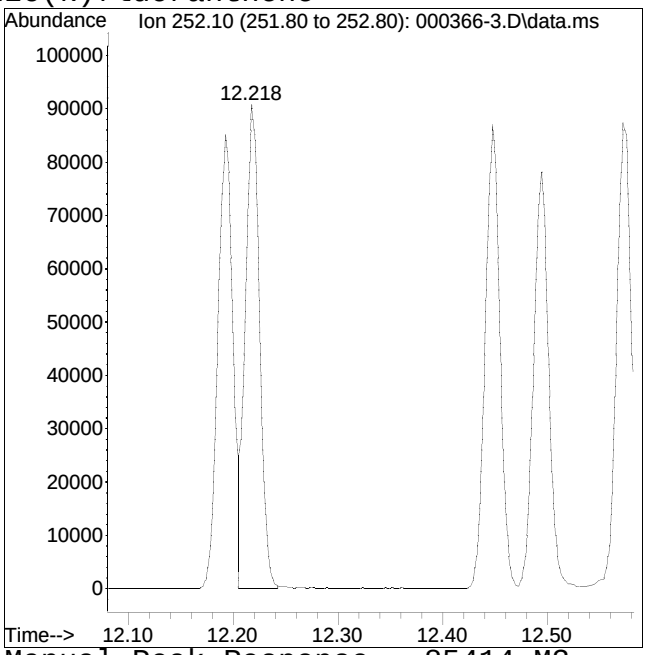


Manual Integration Report

Data Path : I:\8270\Dakota\241121RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 000366-3.D Operator : Dakota:smz
Date Inj'd : 11/21/2024 10:50 pm Instrument : Dakota
Sample : WG2000366-3,32,,ASK Quant Date : 11/21/2024 11:08 pm

Compound #113: Benzo(k)fluoranthene





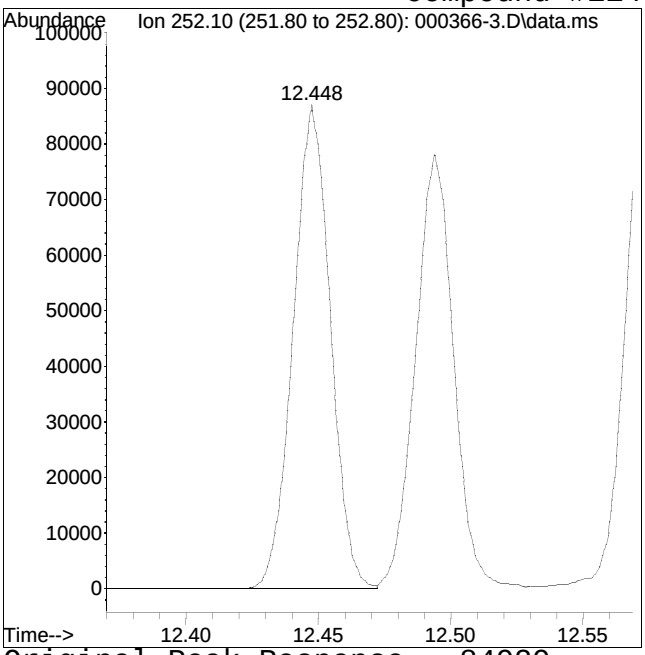
Original Peak Response = 80509 Manual Peak Response = 85414 M3

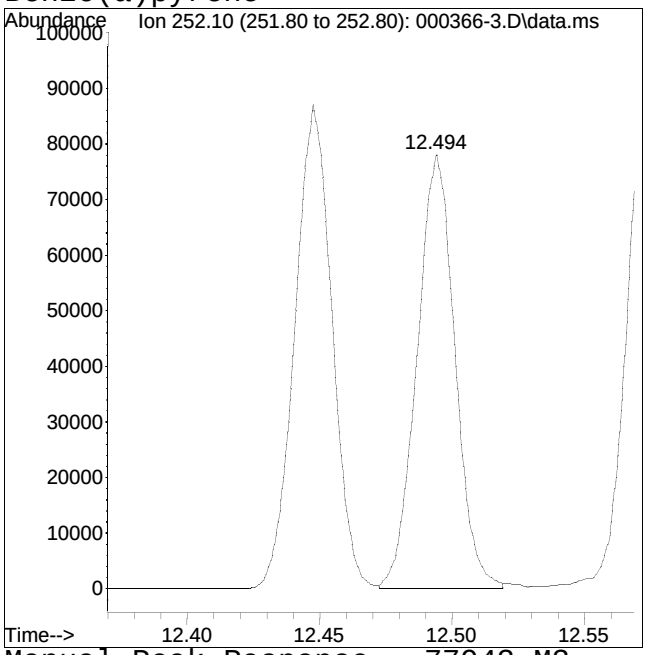
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241121RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 000366-3.D Operator : Dakota:smz
Date Inj'd : 11/21/2024 10:50 pm Instrument : Dakota
Sample : WG2000366-3,32,,ASK Quant Date : 11/21/2024 11:08 pm

Compound #114: Benzo(a)pyrene





Original Peak Response = 84929 Manual Peak Response = 77943 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-4.D
Acq On : 22 Nov 2024 1:35 am
Operator : Dakota:smz
Sample : WG2000366-4,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 22 10:34:21 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.230	152	31683	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 86.51%			
37) IS1_Naphthalene-d8	5.467	136	118995	4.000	ug/ml	# 0.00
Standard Area 1 = 133133			Recovery = 89.38%			
65) IS1_Acenaphthene-d10	7.158	164	75221	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 90.39%			
90) IS1_Phenanthrene-d10	8.569	188	167090	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 96.78%			
106) IS1_Chrysene-d12	11.133	240	181707	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 90.70%			
115) IS1_Perylene-d12	12.553	264	217795	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 87.66%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.780	82	6101	0.645	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.50%			
48) 2-Fluorobiphenyl	6.539	172	16621	0.564	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 56.40%			
98) 4-Terphenyl-d14	10.141	244	31124	0.644	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.40%			
Target Compounds						Qvalue
38) Naphthalene	5.485	128	34345	1.049	ug/ml	99
54) Acenaphthylene	7.015	152	46633	1.252	ug/ml	99
67) Acenaphthene	7.186	154	27463	1.255	ug/ml	86
75) Fluorene	7.683	166	40236	1.393	ug/ml	91
91) Phenanthrene	8.590	178	72766	1.473	ug/ml	99
92) Anthracene	8.640	178	71740	1.481	ug/ml	99
95) Fluoranthene	9.728	202	91016	1.532	ug/ml#	92
97) Pyrene	9.936	202	95850	1.510	ug/ml	99
107) Benzo(a)anthracene	11.127	228	93411	1.517	ug/ml	100
109) Chrysene	11.158	228	93155	1.520	ug/ml	98
112) Benzo(b)fluoranthene	12.193	252	100594	1.560	ug/ml#	94
113) Benzo(k)fluoranthene	12.221	252	101428M3	1.614	ug/ml	
114) Benzo(a)pyrene	12.494	252	91674M3	1.593	ug/ml	
116) Indeno(1,2,3-cd)pyrene	13.483	276	102132	1.520	ug/mL#	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-4.D
Acq On : 22 Nov 2024 1:35 am
Operator : Dakota:smz
Sample : WG2000366-4,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 22 10:34:21 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
117) Dibenzo(a,h)anthracene	13.511	278	99862	1.512 ug/ml#	90
118) Benzo(ghi)perylene	13.694	276	97048	1.495 ug/ml#	86

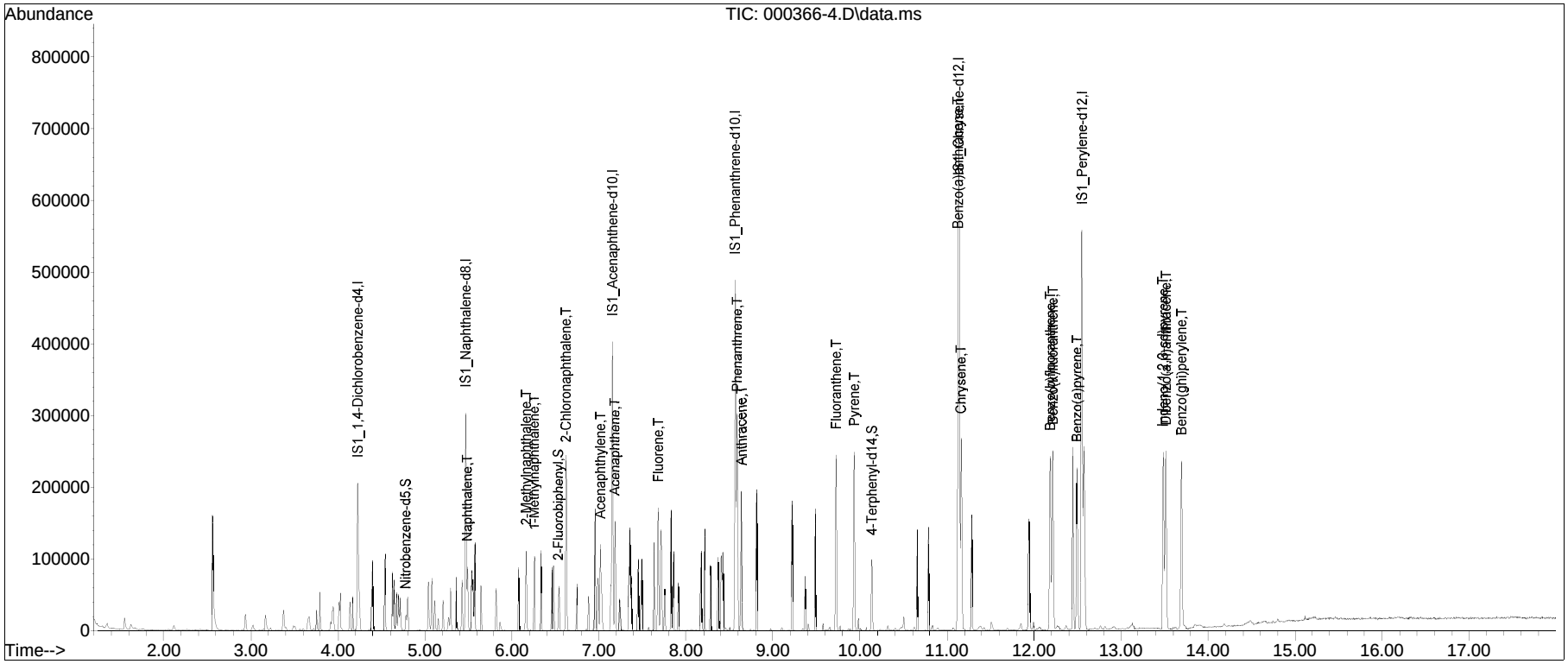
(#) = qualifier out of range (m) = manual integration (+) = signals summed

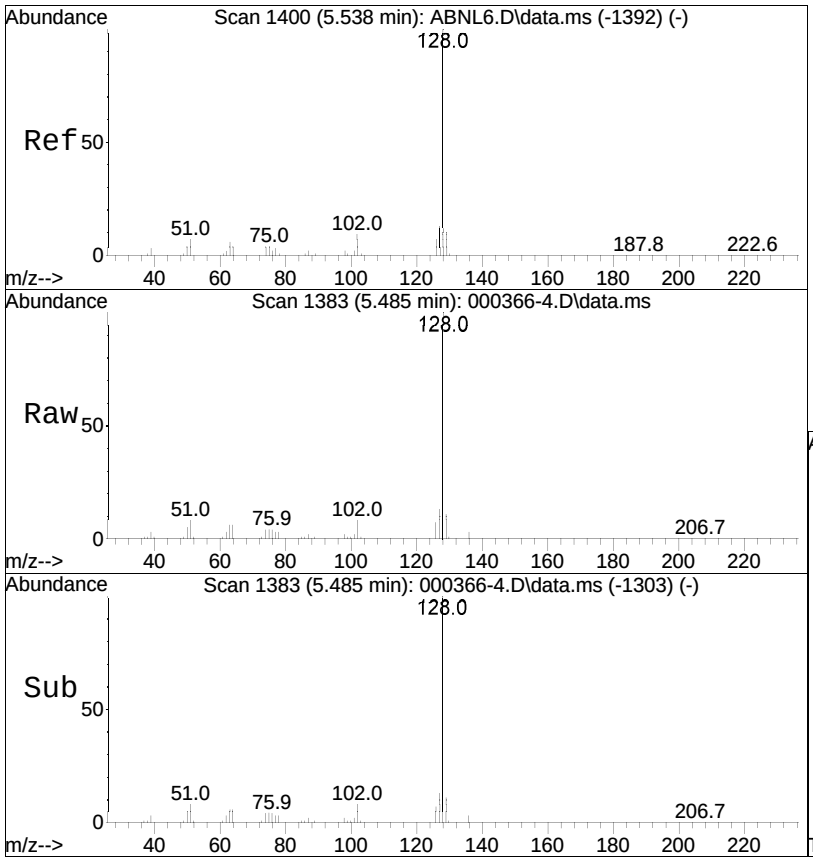
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-4.D
Acq On : 22 Nov 2024 1:35 am
Operator : Dakota:smz
Sample : WG2000366-4,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 22 10:34:21 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•

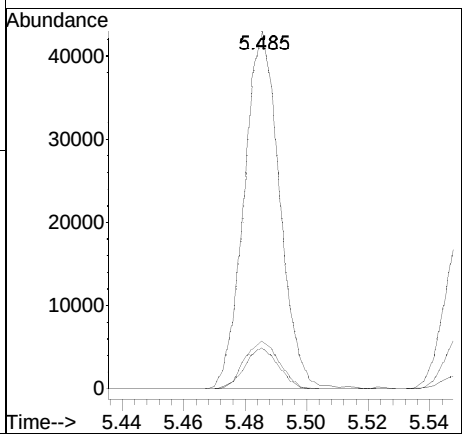


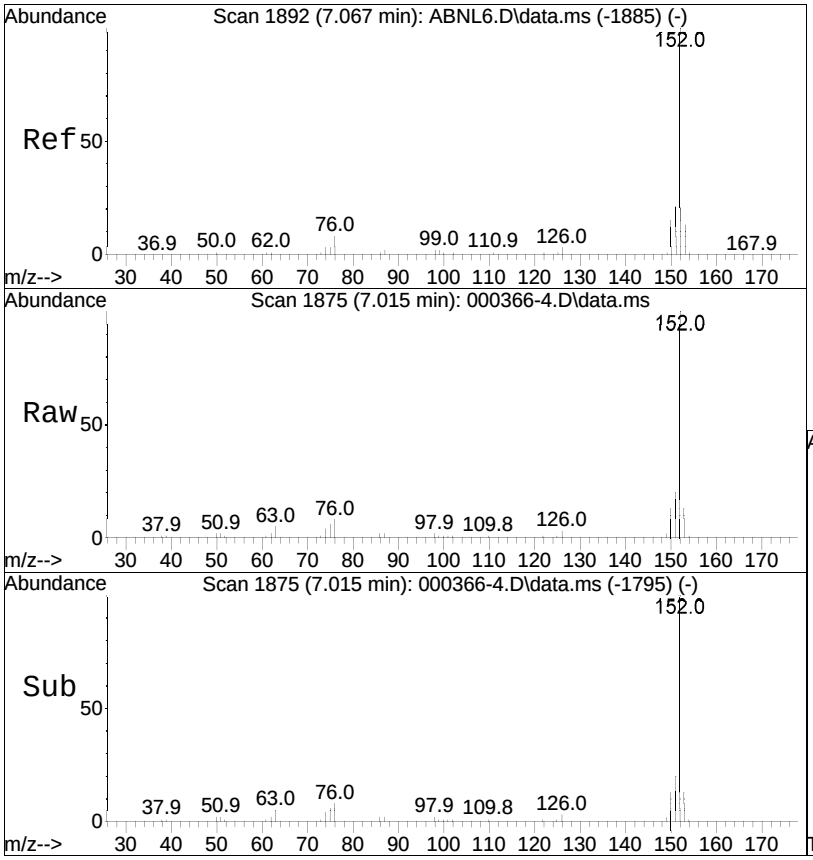


#38
Naphthalene
Concen: 1.05 ug/ml
RT: 5.485 min Scan# 1383
Delta R.T. 0.000 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:128 Resp: 34345

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.2	10.3	15.5

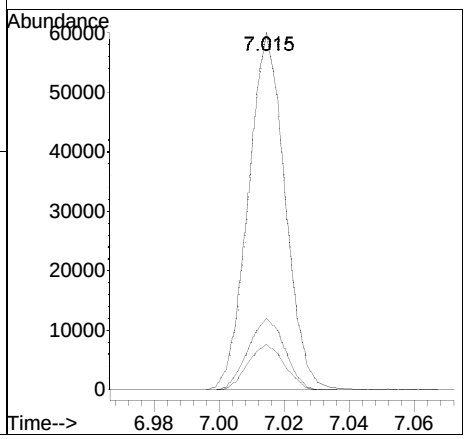


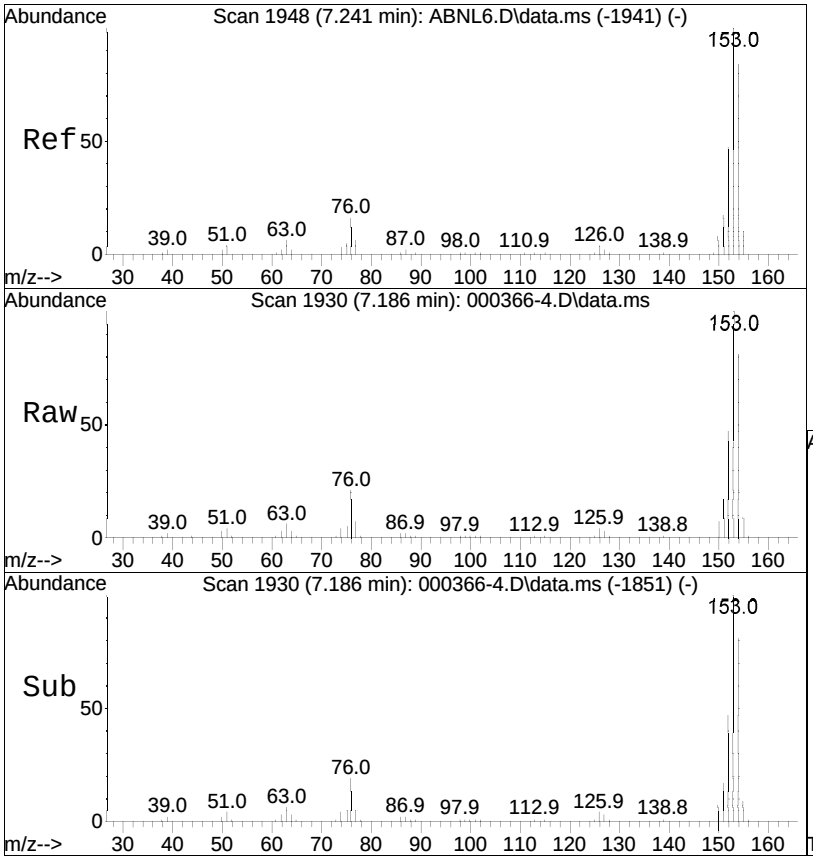


#54
Acenaphthylene
Concen: 1.25 ug/ml
RT: 7.015 min Scan# 1875
Delta R.T. 0.000 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:152 Resp: 46633

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	12.8	10.5	15.7

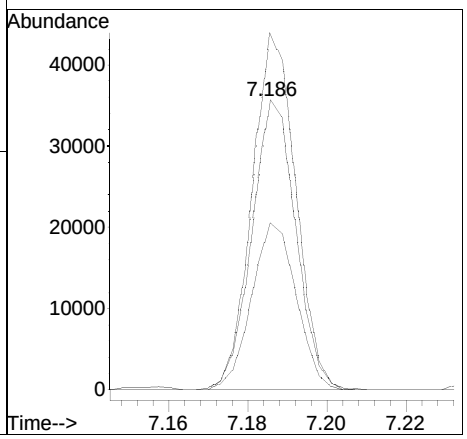


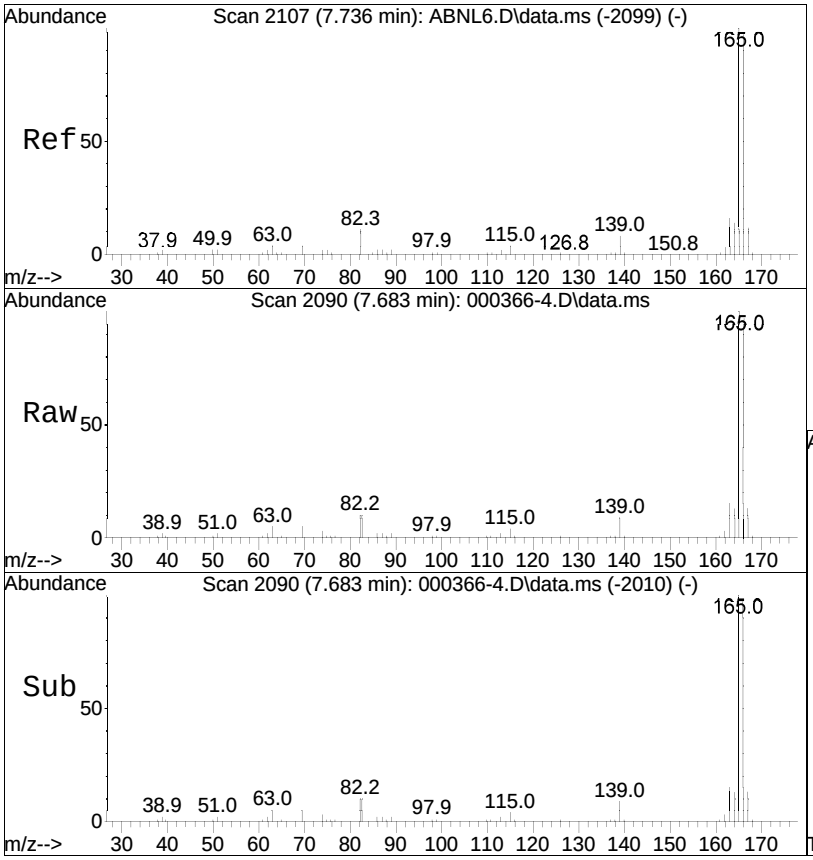


#67
Acenaphthene
Concen: 1.26 ug/ml
RT: 7.186 min Scan# 1930
Delta R.T. -0.003 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:154 Resp: 27463

Ion	Ratio	Lower	Upper
154	100		
153	122.7	85.3	127.9
152	58.7	41.4	62.0

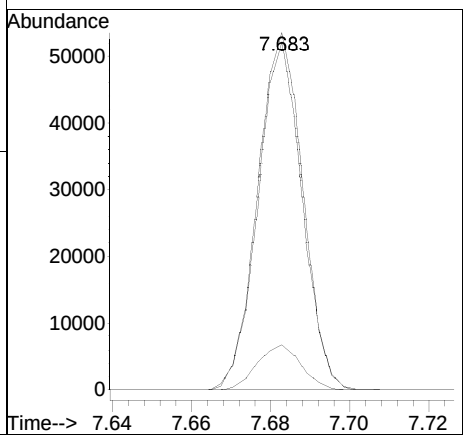


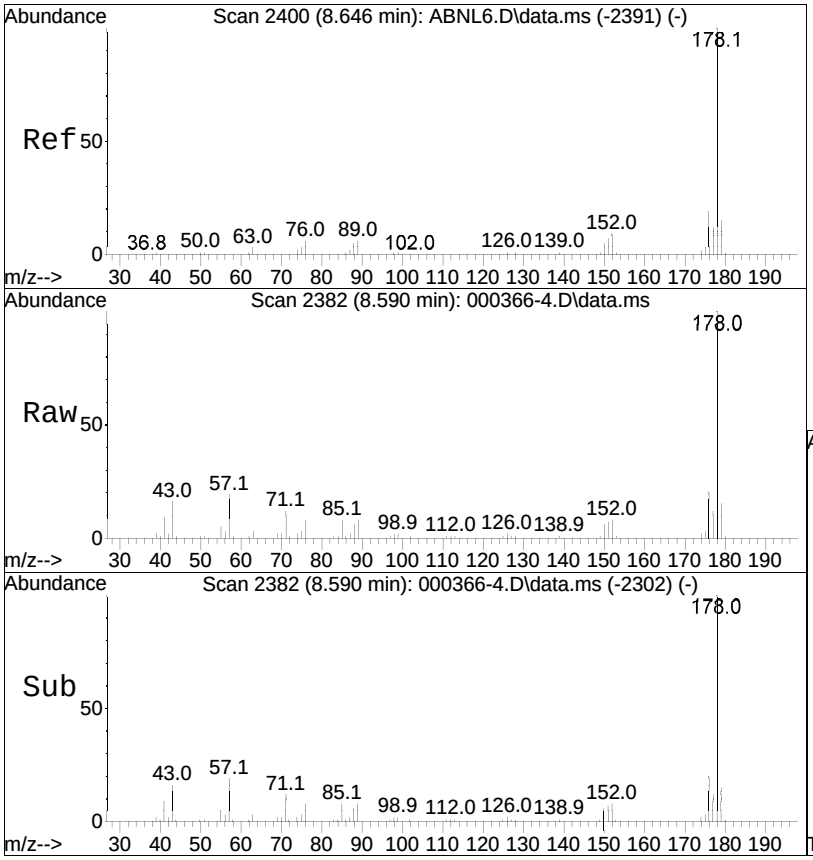


#75
Fluorene
Concen: 1.39 ug/ml
RT: 7.683 min Scan# 2090
Delta R.T. 0.000 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:166 Resp: 40236

Ion	Ratio	Lower	Upper
166	100		
165	105.2	76.2	114.2
167	13.0	10.6	15.8

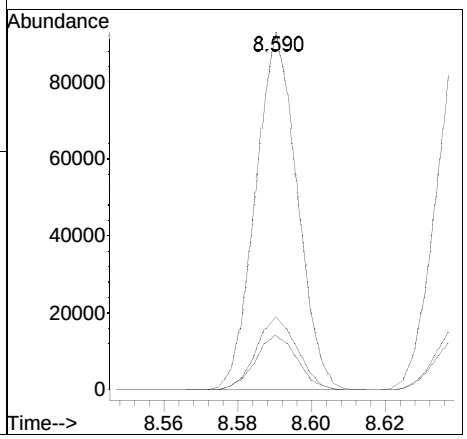


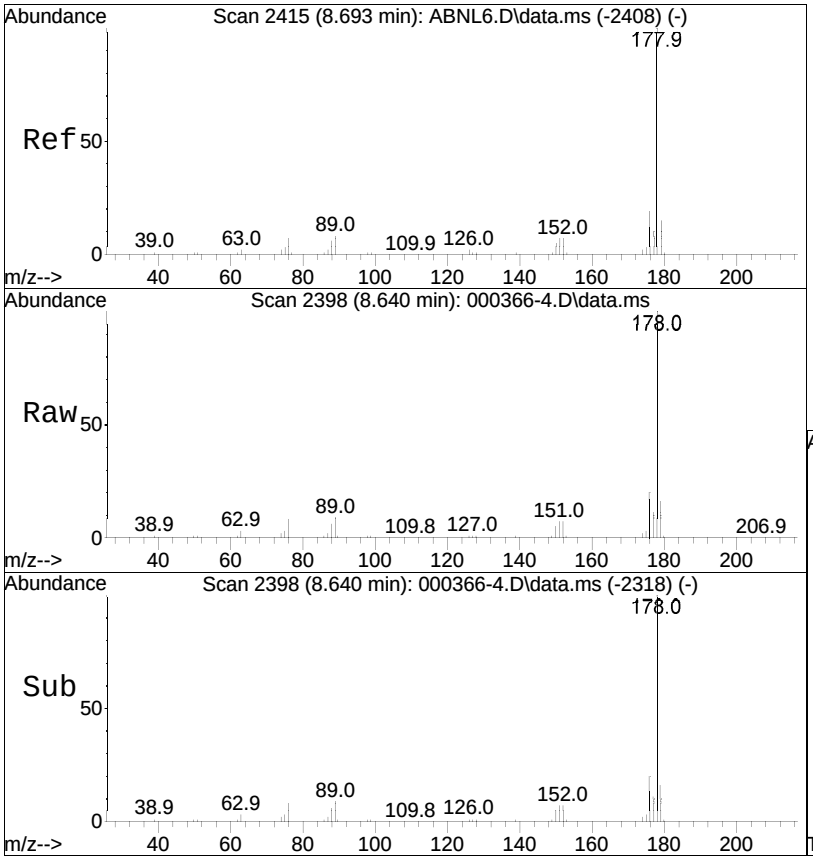


#91
Phenanthrene
Concen: 1.47 ug/ml
RT: 8.590 min Scan# 2382
Delta R.T. 0.000 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:178 Resp: 72766

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	20.2	15.4	23.2

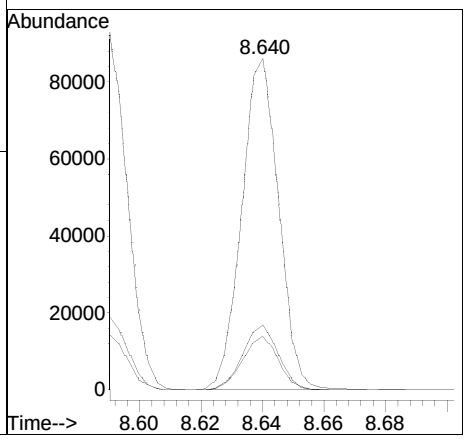


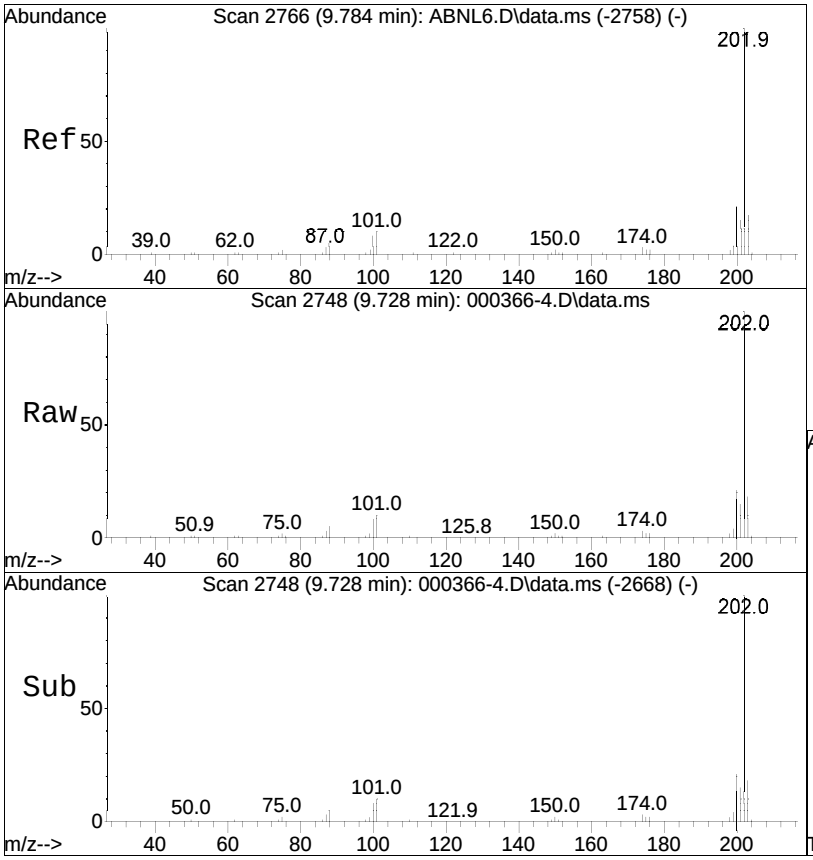


#92
Anthracene
Concen: 1.48 ug/ml
RT: 8.640 min Scan# 2398
Delta R.T. 0.000 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:178 Resp: 71740

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.0	18.0
176	18.8	14.6	22.0

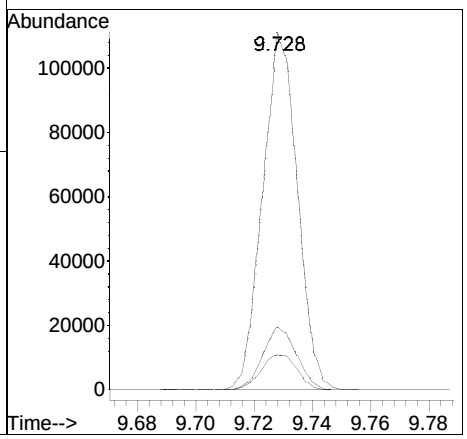


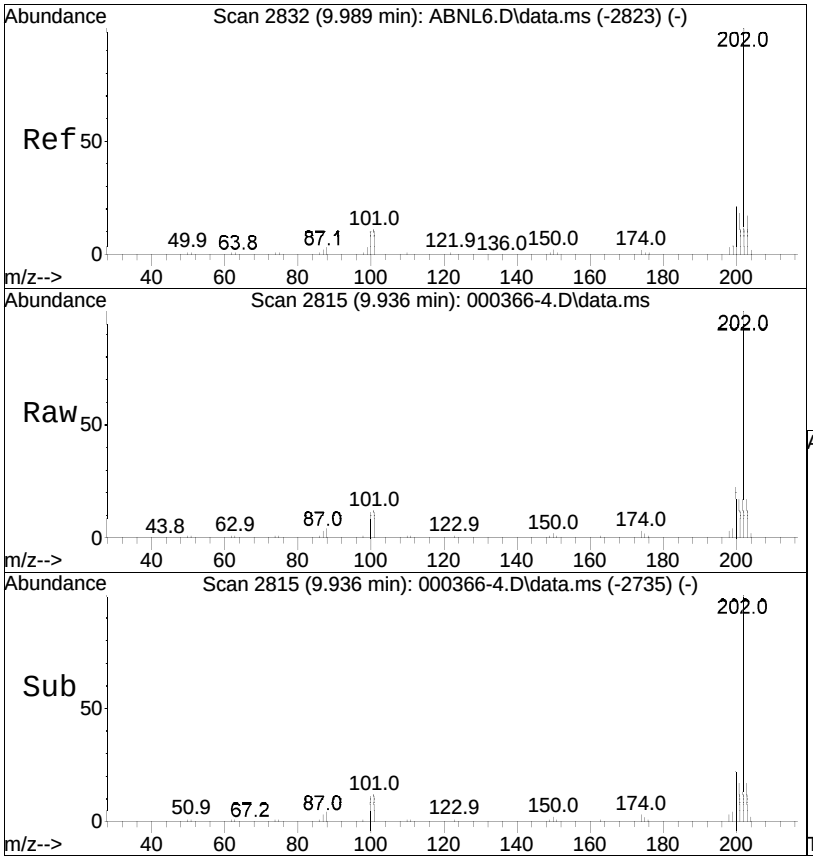


#95
Fluoranthene
Concen: 1.53 ug/ml
RT: 9.728 min Scan# 2748
Delta R.T. 0.000 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:202 Resp: 91016

Ion	Ratio	Lower	Upper
202	100		
101	10.3	13.5	20.3#
203	17.3	13.6	20.4

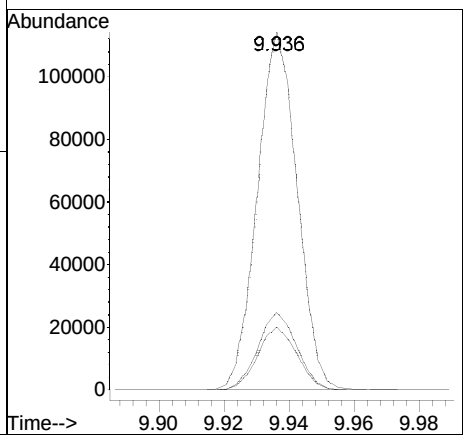


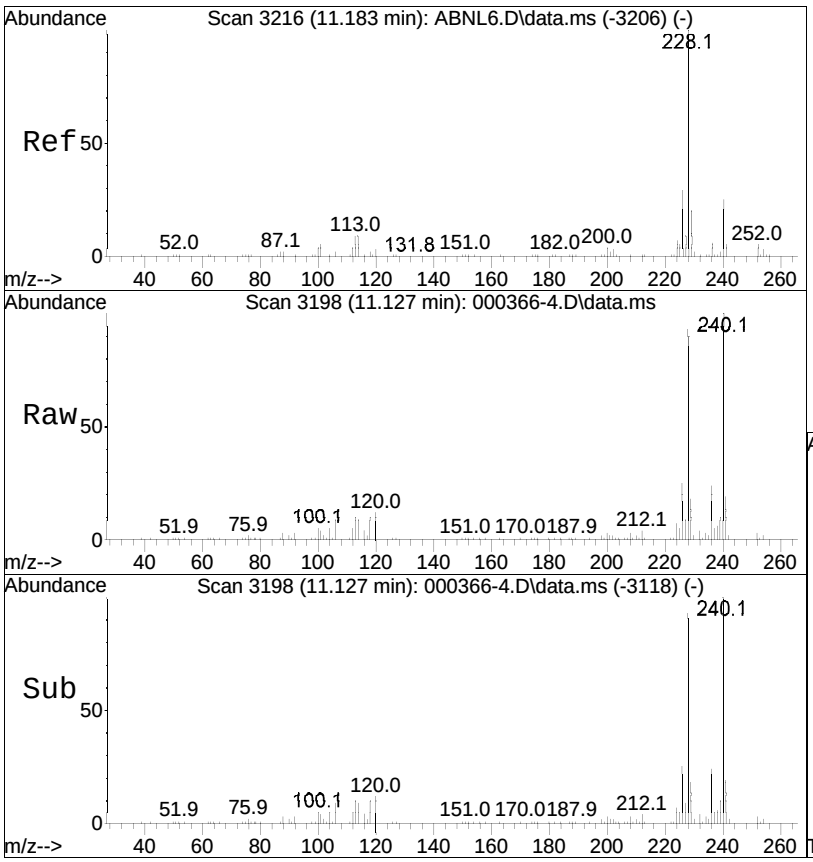


#97
Pyrene
Concen: 1.51 ug/ml
RT: 9.936 min Scan# 2815
Delta R.T. 0.000 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:202 Resp: 95850

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.4	14.2	21.4

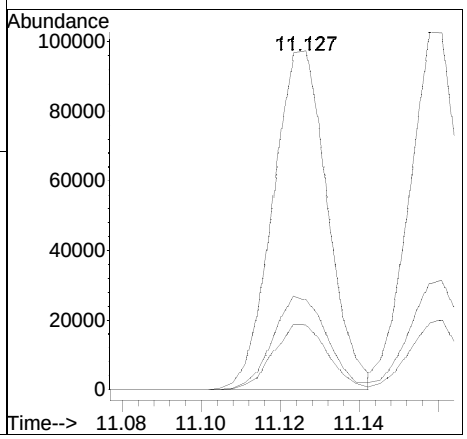


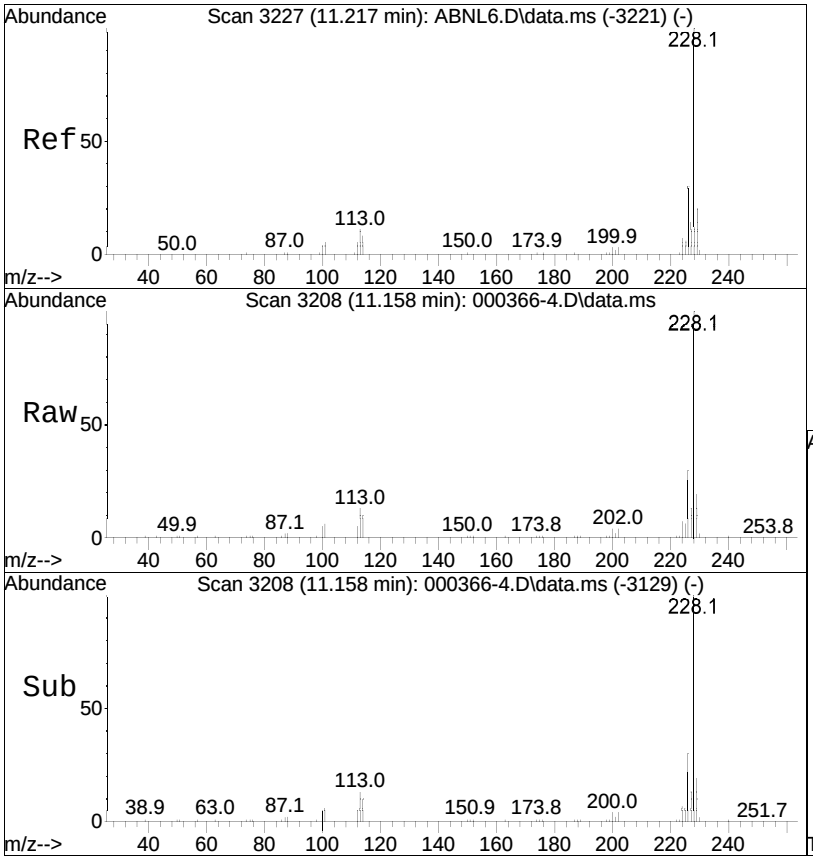


#107
Benzo(a)anthracene
Concen: 1.52 ug/ml
RT: 11.127 min Scan# 3198
Delta R.T. 0.000 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:228 Resp: 93411

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.4
229	19.3	15.6	23.4

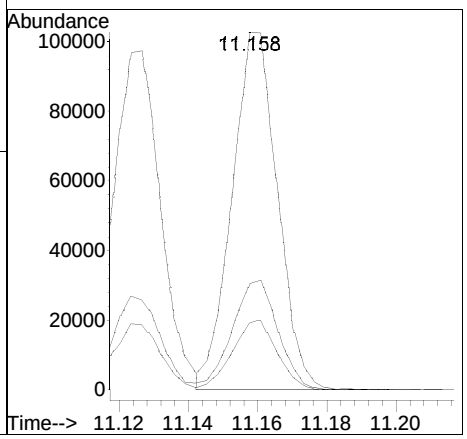


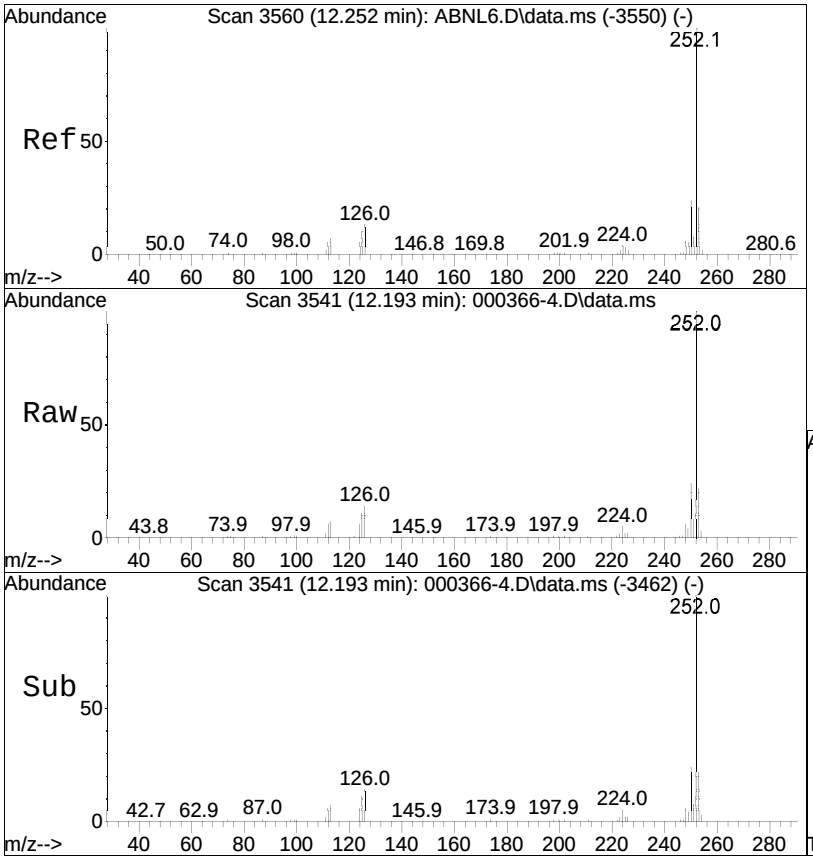


#109
Chrysene
Concen: 1.52 ug/ml
RT: 11.158 min Scan# 3208
Delta R.T. -0.003 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:228 Resp: 93155

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.0	36.0
229	19.2	15.8	23.8

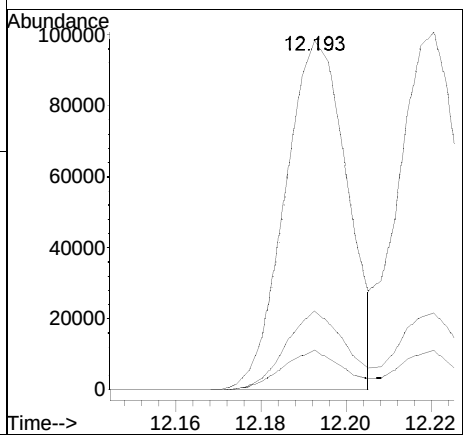


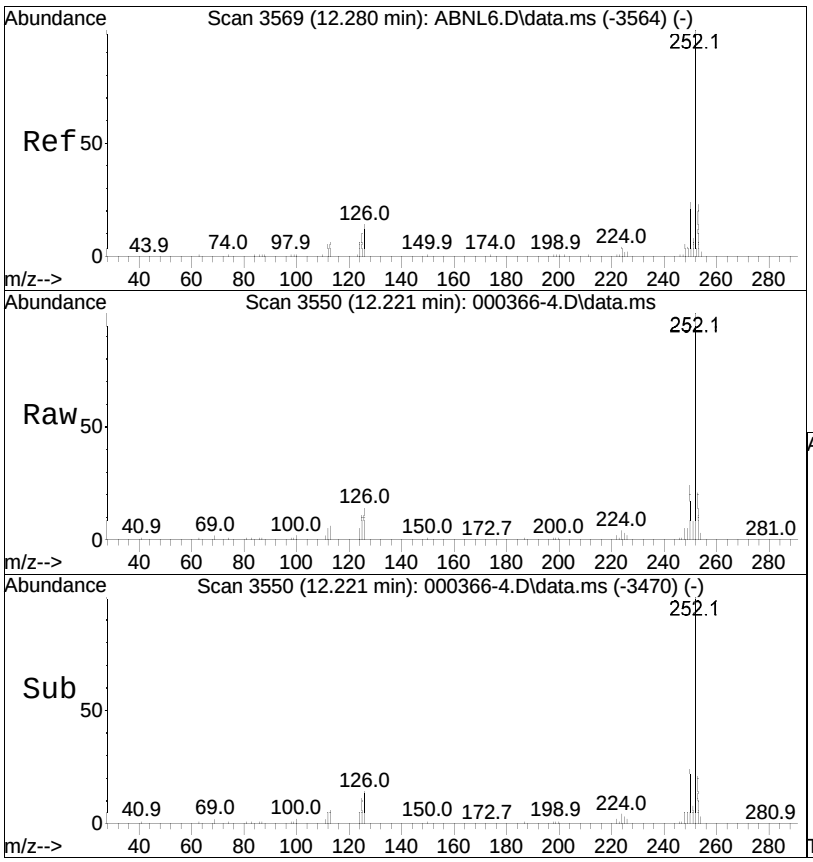


#112
Benzo(b)fluoranthene
Concen: 1.56 ug/ml
RT: 12.193 min Scan# 3541
Delta R.T. -0.003 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:252 Resp: 100594

Ion	Ratio	Lower	Upper
252	100		
125	11.1	13.3	19.9#
253	21.6	17.1	25.7

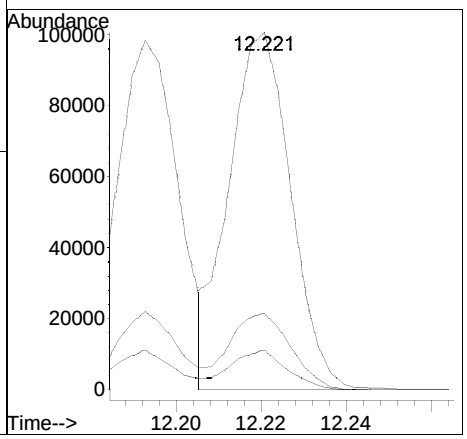


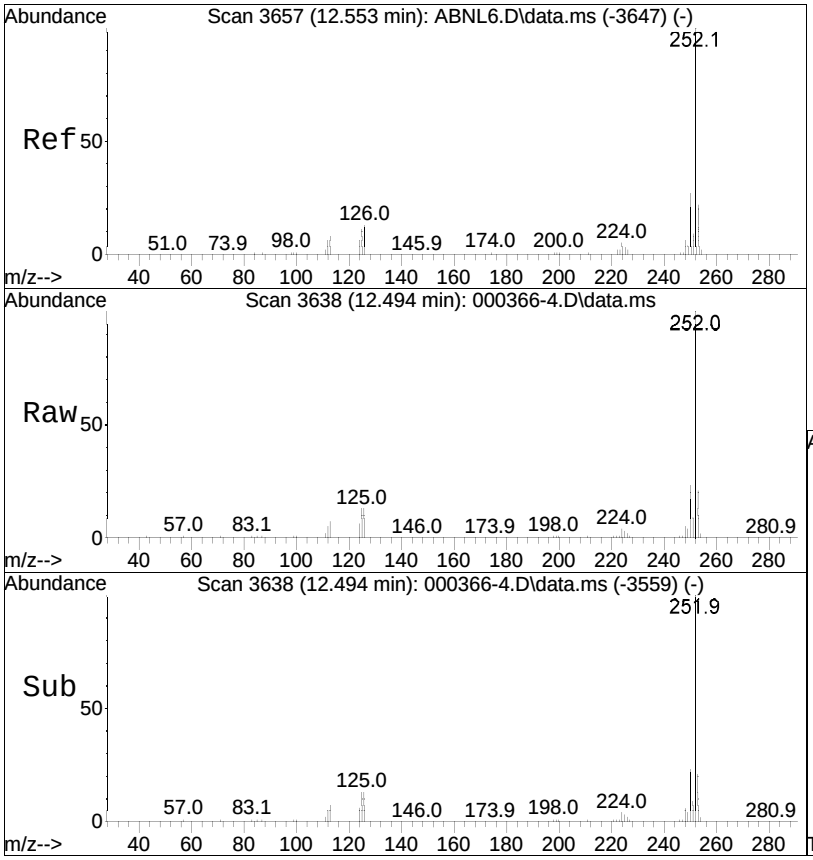


#113
Benzo(k)fluoranthene
Concen: 1.61 ug/ml M3
RT: 12.221 min Scan# 3550
Delta R.T. 0.000 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:252 Resp: 101428

Ion	Ratio	Lower	Upper
252	100		
125	14.3	13.0	19.6
253	19.3	16.8	25.2

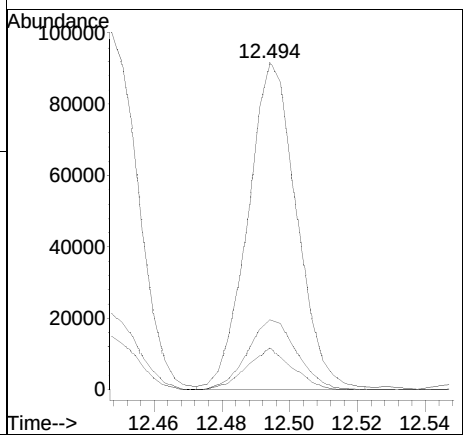


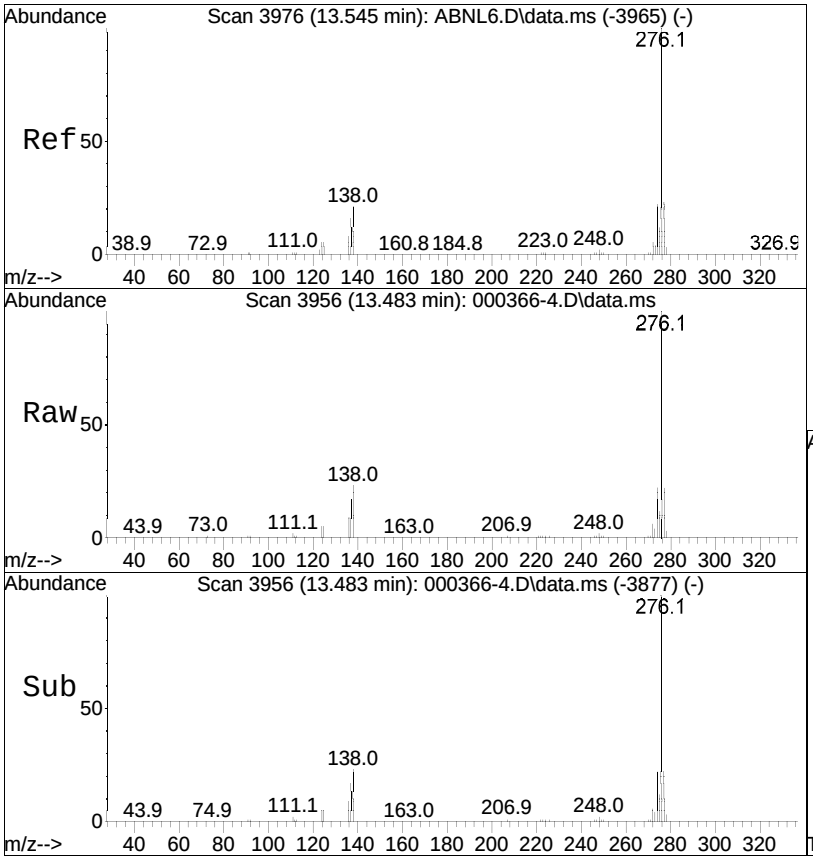


#114
Benzo(a)pyrene
Concen: 1.59 ug/ml M3
RT: 12.494 min Scan# 3638
Delta R.T. -0.003 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:252 Resp: 91674

Ion	Ratio	Lower	Upper
252	100		
125	16.8	14.2	21.2
253	23.0	16.9	25.3

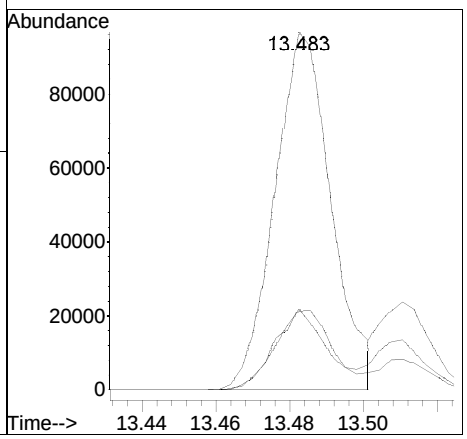


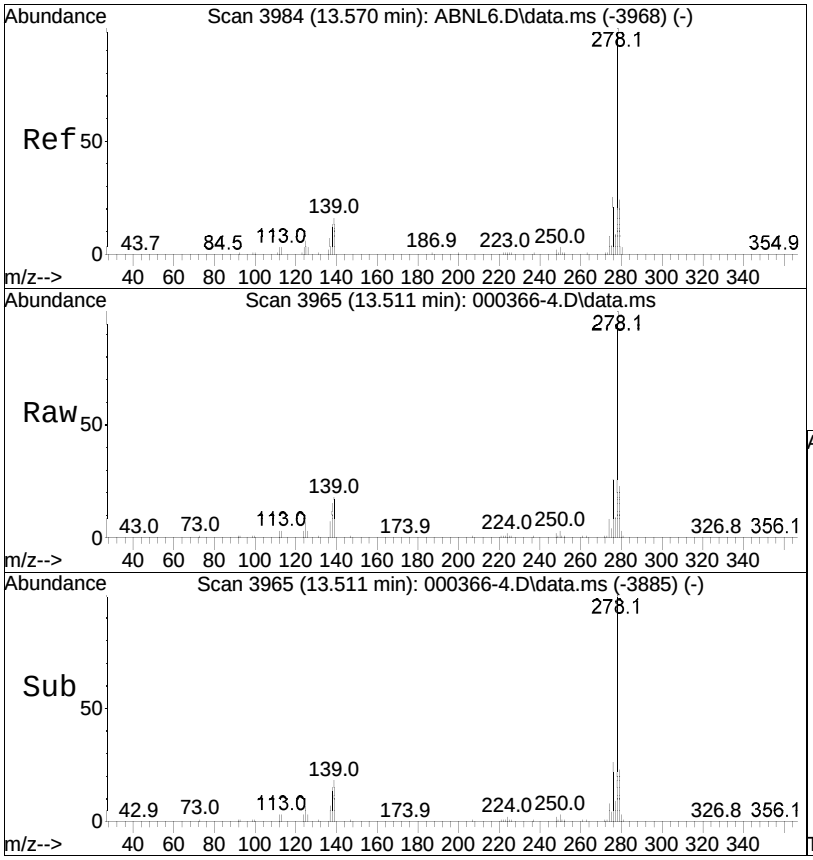


#116
Indeno(1,2,3-cd)pyrene
Concen: 1.52 ug/mL
RT: 13.483 min Scan# 3956
Delta R.T. -0.003 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:276 Resp: 102132

Ion	Ratio	Lower	Upper
276	100		
138	21.3	25.1	37.7#
277	22.5	18.6	28.0

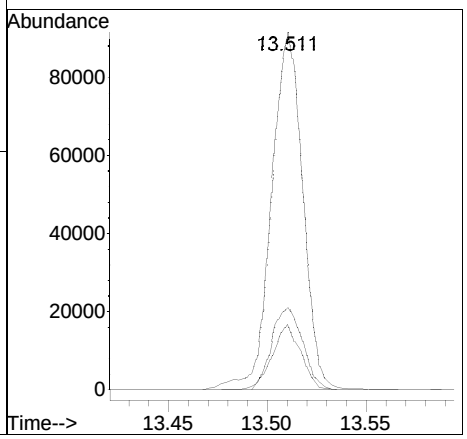


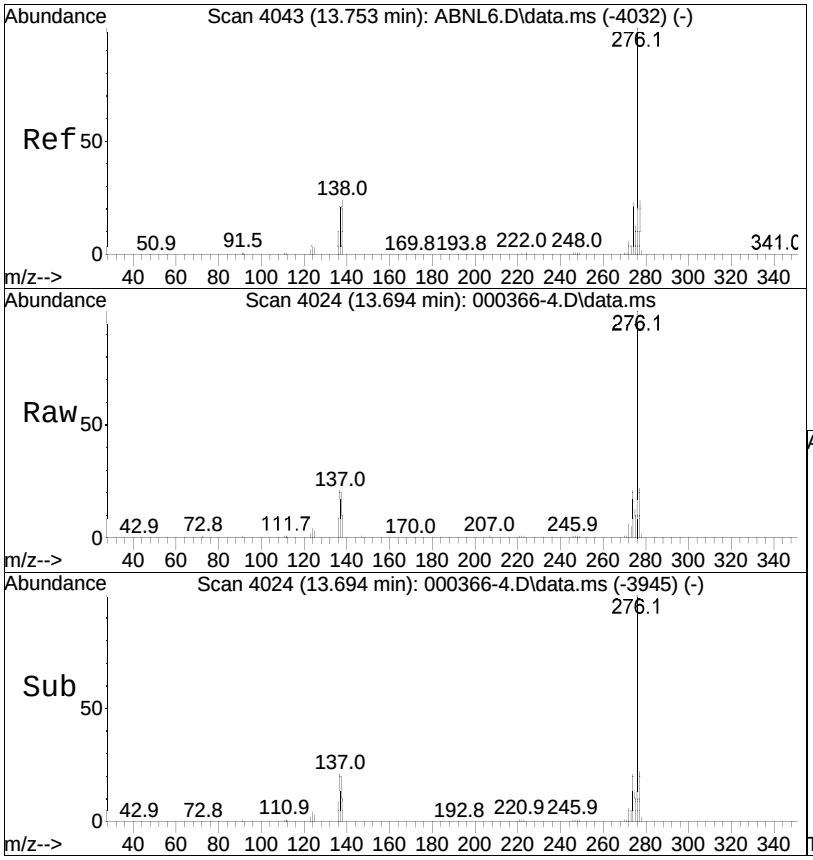


#117
Dibenzo(a,h)anthracene
Concen: 1.51 ug/ml
RT: 13.511 min Scan# 3965
Delta R.T. 0.000 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:278 Resp: 99862

Ion	Ratio	Lower	Upper
278	100		
139	16.6	20.8	31.2#
279	23.3	18.3	27.5

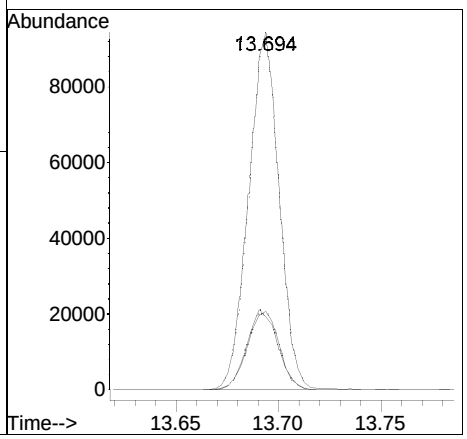




#118
Benzo(ghi)perylene
Concen: 1.50 ug/ml
RT: 13.694 min Scan# 4024
Delta R.T. -0.003 min
Lab File: 000366-4.D
Acq: 22 Nov 2024 1:35 am

Tgt Ion:276 Resp: 97048

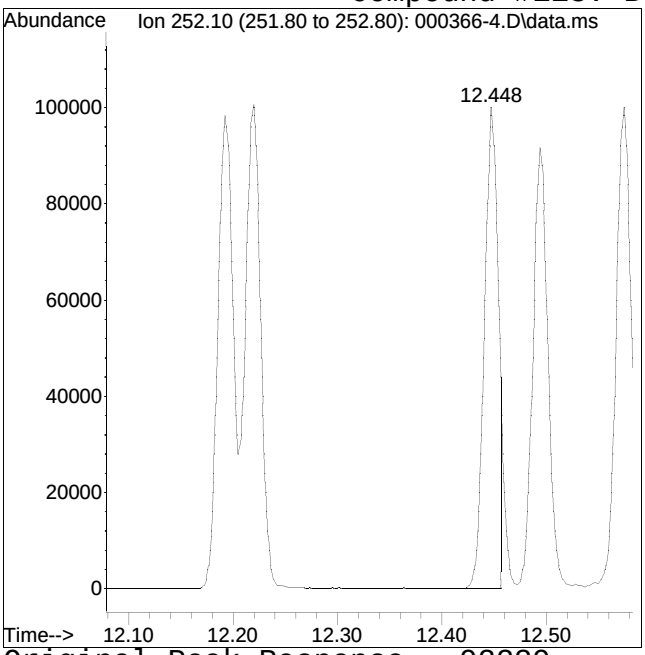
Ion	Ratio	Lower	Upper
276	100		
138	23.0	29.2	43.8#
277	23.0	18.8	28.2

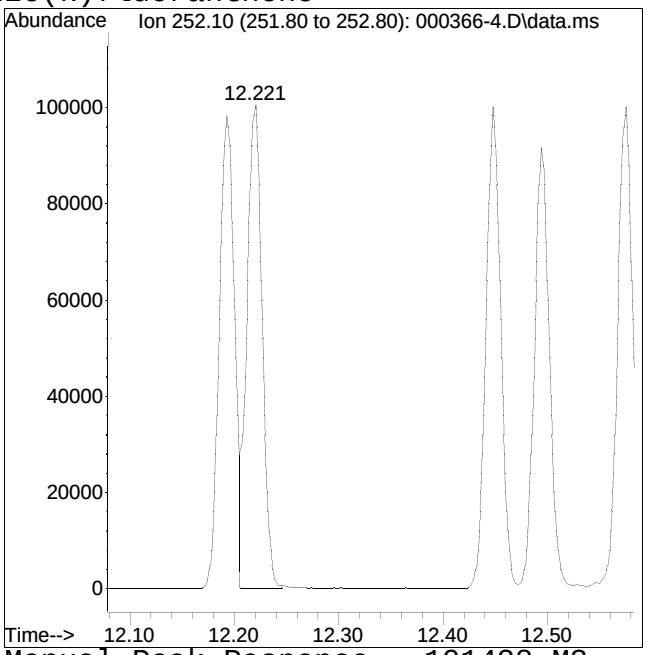


Manual Integration Report

Data Path : I:\8270\Dakota\241121RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 000366-4.D Operator : Dakota:smz
Date Inj'd : 11/22/2024 1:35 am Instrument : Dakota
Sample : WG2000366-4,32,,ASK Quant Date : 11/22/2024 1:53 am

Compound #113: Benzo(k)fluoranthene



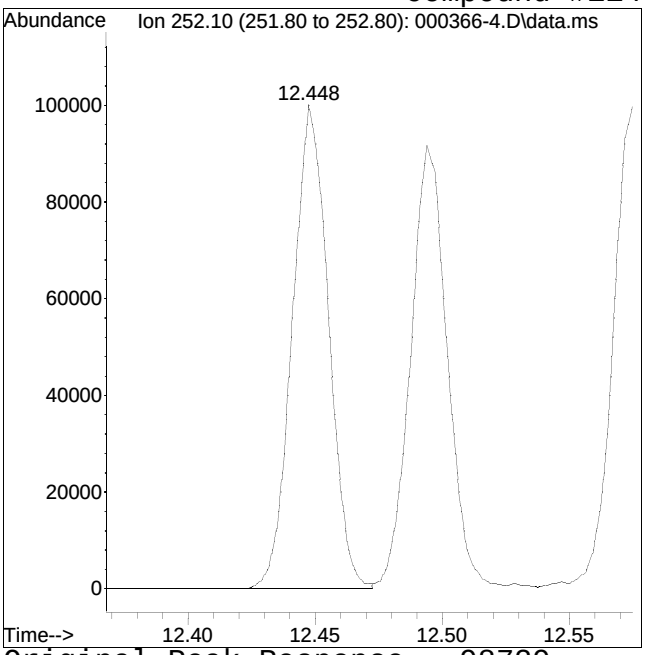


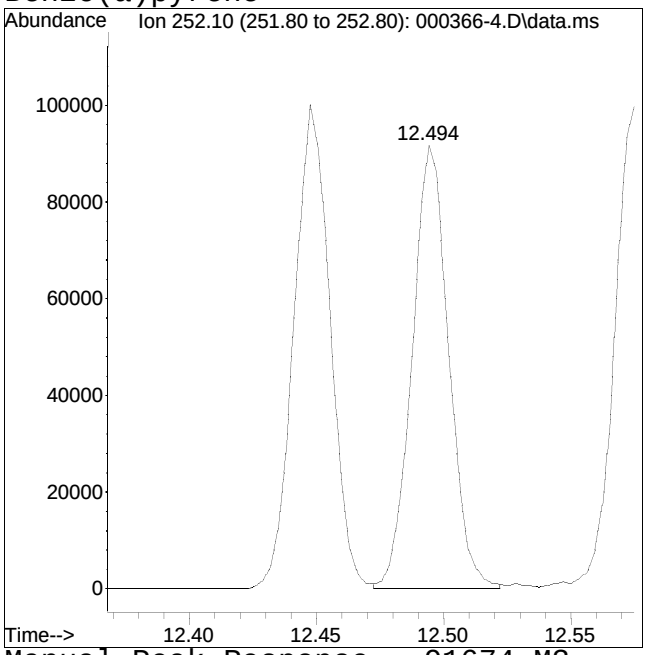
Original Peak Response = 92239 Manual Peak Response = 101428 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241121RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 000366-4.D Operator : Dakota:smz
Date Inj'd : 11/22/2024 1:35 am Instrument : Dakota
Sample : WG2000366-4,32,,ASK Quant Date : 11/22/2024 1:53 am

Compound #114: Benzo(a)pyrene





Original Peak Response = 98729 Manual Peak Response = 91674 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241121RVT\
Data File : 999910-6.D
Acq On : 22 Nov 2024 05:17 am
Operator : SV112:ek
Sample : WG1999910-6,32,,ASK
Misc : WG2000769,WG1999910,ical21241
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 23 08:30:32 2024
Quant Method : I:\8270\SV112\241121RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 22:29:10 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241121RVT\ABN1121.D
: 2 - I:\8270\SV112\241121RVT\ADP1121.D
: 3 - I:\8270\SV112\241121RVT\AP91121.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.752	152	18032	4.000	ug/ml		0.00
Standard Area 1 = 16934			Recovery =	106.48%			
27) IS2_1,4-Dichlorobenzen...	4.752	152	18032	4.000	ug/ml		0.00
Standard Area 3 = 20058			Recovery =	89.90%			
32) IS3_1,4-Dichlorobenzen...	4.752	152	18032	4.000	ug/ml		0.00
Standard Area 2 = 21747			Recovery =	82.92%			
35) IS1_Naphthalene-d8	5.981	136	65592	4.000	ug/ml	#	0.00
Standard Area 1 = 60469			Recovery =	108.47%			
55) IS2_Naphthalene-d8	5.981	136	65592	4.000	ug/ml	#	0.00
Standard Area 3 = 69118			Recovery =	94.90%			
63) IS1_Acenaphthene-d10	7.681	164	42109	4.000	ug/ml		0.00
Standard Area 1 = 38649			Recovery =	108.95%			
83) IS2_Acenaphthene-d10	7.681	164	42109	4.000	ug/ml		0.00
Standard Area 3 = 39091			Recovery =	107.72%			
86) IS3_Acenaphthene-d10	7.681	164	42109	4.000	ug/ml		0.00
Standard Area 2 = 45002			Recovery =	93.57%			
88) IS1_Phenanthrene-d10	9.110	188	89282	4.000	ug/ml	#	0.00
Standard Area 1 = 82340			Recovery =	108.43%			
100) IS3_Phenanthrene-d10	9.110	188	89282	4.000	ug/ml	#	0.00
Standard Area 2 = 97282			Recovery =	91.78%			
104) IS1_Chrysene-d12	11.745	240	99242	4.000	ug/ml	#	0.00
Standard Area 1 = 83939			Recovery =	118.23%			
113) IS1_Perylene-d12	13.210	264	114582	4.000	ug/ml		0.00
Standard Area 1 = 98513			Recovery =	116.31%			
System Monitoring Compounds							
4) 2-Fluorophenol	3.493	112	4462	0.942	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	47.10%			
7) Phenol-d6	4.428	99	4333	0.709	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	35.45%			
19) Nitrobenzene-d5	5.293	82	3463	0.594	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	59.40%			
46) 2-Fluorobiphenyl	7.046	172	9766	0.658	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	65.80%			
79) 2,4,6-Tribromophenol	8.446	330	3800	1.406	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	70.30%			
96) 4-Terphenyl-d14	10.687	244	16574	0.722	ug/ml		0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241121RVT\
Data File : 999910-6.D
Acq On : 22 Nov 2024 05:17 am
Operator : SV112:ek
Sample : WG1999910-6,32,,ASK
Misc : WG2000769,WG1999910,ical21241
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 23 08:30:32 2024
Quant Method : I:\8270\SV112\241121RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 22:29:10 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241121RVT\ABN1121.D
: 2 - I:\8270\SV112\241121RVT\ADP1121.D
: 3 - I:\8270\SV112\241121RVT\AP91121.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.20%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.140	74	2935	0.991	ug/ml#	89
3) Pyridine	2.228	79	1336M1	0.284	ug/ml	
5) Aniline	4.434	93	3073	0.376	ug/ml#	1
6) 2-Chlorophenol	4.546	128	7941	1.409	ug/ml	92
8) Phenol	4.440	94	5529	0.778	ug/ml#	78
9) Bis(2-chloroethyl)ether	4.516	93	6649	1.264	ug/ml	97
10) 1,3-Dichlorobenzene	4.699	146	6796	0.999	ug/ml	97
11) 1,4-Dichlorobenzene	4.769	146	7181	1.012	ug/ml	95
12) 1,2-Dichlorobenzene	4.916	146	7131	1.072	ug/ml	93
13) Benzyl alcohol	4.899	79	5667	1.331	ug/ml	92
14) Bis(2-chloroisopropyl)...	5.040	45	10784	1.622	ug/ml#	77
15) 2-Methylphenol	5.028	108	5987	1.257	ug/ml	94
16) Hexachloroethane	5.240	117	2401	0.955	ug/ml#	43
17) n-Nitrosodi-n-propylamine	5.169	70	4892	1.254	ug/ml#	89
18) 3-Methylphenol/4-Methy...	5.181	108	6523	1.258	ug/ml	92
20) Nitrobenzene	5.310	77	7581	1.304	ug/ml	91
21) Isophorone	5.546	82	13806	1.316	ug/ml	95
22) 2-Nitrophenol	5.622	139	4751	1.835	ug/ml	91
23) 2,4-Dimethylphenol	5.693	107	3664	0.738	ug/ml	94
24) Bis(2-chloroethoxy)met...	5.781	93	9336	1.322	ug/ml	99
25) 2,4-Dichlorophenol	5.857	162	8354	1.608	ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.940	180	7317	1.112	ug/ml	94
28) Benzaldehyde	4.322	105	6374	1.293	ug/ml	95
29) Acetophenone	5.152	105	11967	1.395	ug/ml#	92
33) 1,4-Dioxane	1.881	88	1664	0.785	ug/ml#	65
36) Naphthalene	6.005	128	21286	1.238	ug/ml	99
37) Benzoic Acid	5.740	105	1949	1.910	ug/ml	93
38) 4-Chloroaniline	6.069	65	1799M3	0.931	ug/ml	
39) Hexachlorobutadiene	6.152	225	4917	1.220	ug/ml	98
40) p-Chloro-m-cresol	6.563	107	7575	1.668	ug/ml	94
41) 2-Methylnaphthalene	6.681	142	15790	1.350	ug/ml	96
42) 1-Methylnaphthalene	6.775	115	5140	1.278	ug/ml	96
43) Hexachlorocyclopentadiene	6.852	237	2540	0.617	ug/ml#	89
44) 2,4,6-Trichlorophenol	6.963	196	7768	1.847	ug/ml	99
45) 2,4,5-Trichlorophenol	6.993	196	7907	1.838	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241121RVT\
Data File : 999910-6.D
Acq On : 22 Nov 2024 05:17 am
Operator : SV112:ek
Sample : WG1999910-6,32,,ASK
Misc : WG2000769,WG1999910,ical21241
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 23 08:30:32 2024
Quant Method : I:\8270\SV112\241121RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 22:29:10 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241121RVT\ABN1121.D
: 2 - I:\8270\SV112\241121RVT\ADP1121.D
: 3 - I:\8270\SV112\241121RVT\AP91121.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	7.146	162	16796	1.350	ug/ml	96
48) 2-Nitroaniline	7.252	138	6383	1.942	ug/ml#	78
51) Dimethyl phthalate	7.451	163	22644	1.497	ug/ml	99
52) Acenaphthylene	7.540	152	26793	1.459	ug/ml	98
53) 2,6-Dinitrotoluene	7.493	165	5026	1.776	ug/ml#	76
56) a-Terpineol	6.034	59	6815	1.499	ug/ml	99
60) Caprolactam	6.363	55	1562	0.988	ug/ml	95
61) 1,2,4,5-Tetrachloroben...	6.846	216	10405	1.324	ug/ml#	97
62) Biphenyl	7.140	154	22196	1.319	ug/ml	99
64) 3-Nitroaniline	7.651	138	4983	1.584	ug/ml#	90
65) Acenaphthene	7.716	154	15915	1.356	ug/ml	98
66) 2,4-Dinitrophenol	7.751	184	3065	2.059	ug/ml#	75
67) Dibenzofuran	7.881	168	28085	1.452	ug/ml	90
68) 2,4-Dinitrotoluene	7.881	165	7037	1.744	ug/ml#	78
69) 4-Nitrophenol	7.834	65	2541	0.834	ug/ml	82
71) 2,3,4,6-Tetrachlorophenol	8.010	232	7577	1.945	ug/ml	97
72) Diethyl phthalate	8.140	149	23349	1.492	ug/ml	95
73) Fluorene	8.210	166	22464	1.492	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.228	204	11698	1.425	ug/ml#	80
75) 4-Nitroaniline	8.234	138	5551	1.677	ug/ml	91
76) 4,6-Dinitro-o-cresol	8.275	198	4364	1.841	ug/ml#	74
77) NDPA/DPA	8.346	169	18668	1.441	ug/ml	94
78) Azobenzene	8.381	77	17281	1.258	ug/ml#	89
80) 4-Bromophenyl phenyl e...	8.698	248	8064	1.534	ug/ml#	79
81) Hexachlorobenzene	8.751	284	8933	1.352	ug/ml#	82
82) Pentachlorophenol	8.946	266	6278	1.850	ug/ml	99
85) Pentachloronitrobenzene	8.957	237	4048	1.638	ug/ml#	79
87) Atrazine	8.881	200	6658	1.433	ug/ml	99
89) Phenanthrene	9.134	178	37612	1.593	ug/ml	100
90) Anthracene	9.181	178	38543	1.668	ug/ml	100
91) Carbazole	9.351	167	36076	1.705	ug/ml	99
92) Di-n-butylphthalate	9.734	149	42084	1.823	ug/ml	99
93) Fluoranthene	10.287	202	46606M3	1.701	ug/ml	
94) Benzidine	0.000		0	N.D.		
95) Pyrene	10.504	202	50315	1.732	ug/ml	99
97) Butyl benzyl phthalate	11.210	149	19268	1.887	ug/ml#	87
102) Parathion	9.893	109	4122	2.180	ug/ml#	87
105) Benzo(a)anthracene	11.734	228	51993	1.632	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241121RVT\
Data File : 999910-6.D
Acq On : 22 Nov 2024 05:17 am
Operator : SV112:ek
Sample : WG1999910-6,32,,ASK
Misc : WG2000769,WG1999910,ical21241
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 23 08:30:32 2024
Quant Method : I:\8270\SV112\241121RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 22:29:10 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241121RVT\ABN1121.D
: 2 - I:\8270\SV112\241121RVT\ADP1121.D
: 3 - I:\8270\SV112\241121RVT\AP91121.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106)	3,3'-Dichlorobenzidine	11.734	252	18625	1.605	ug/ml#	98
107)	Chrysene	11.769	228	50528	1.617	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.845	149	34763	2.194	ug/ml#	96
109)	Di-n-octylphthalate	12.522	149	51952	2.139	ug/ml	98
110)	Benzo(b)fluoranthene	12.839	252	52247	1.599	ug/ml#	96
111)	Benzo(k)fluoranthene	12.869	252	53006M3	1.777	ug/ml	
112)	Benzo(a)pyrene	13.157	252	49411M3	1.733	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	14.192	276	54968M6	1.716	ug/mL	
115)	Dibenzo(a,h)anthracene	14.216	278	50947	1.665	ug/ml#	92
116)	Benzo(ghi)perylene	14.451	276	51404	1.665	ug/ml#	93

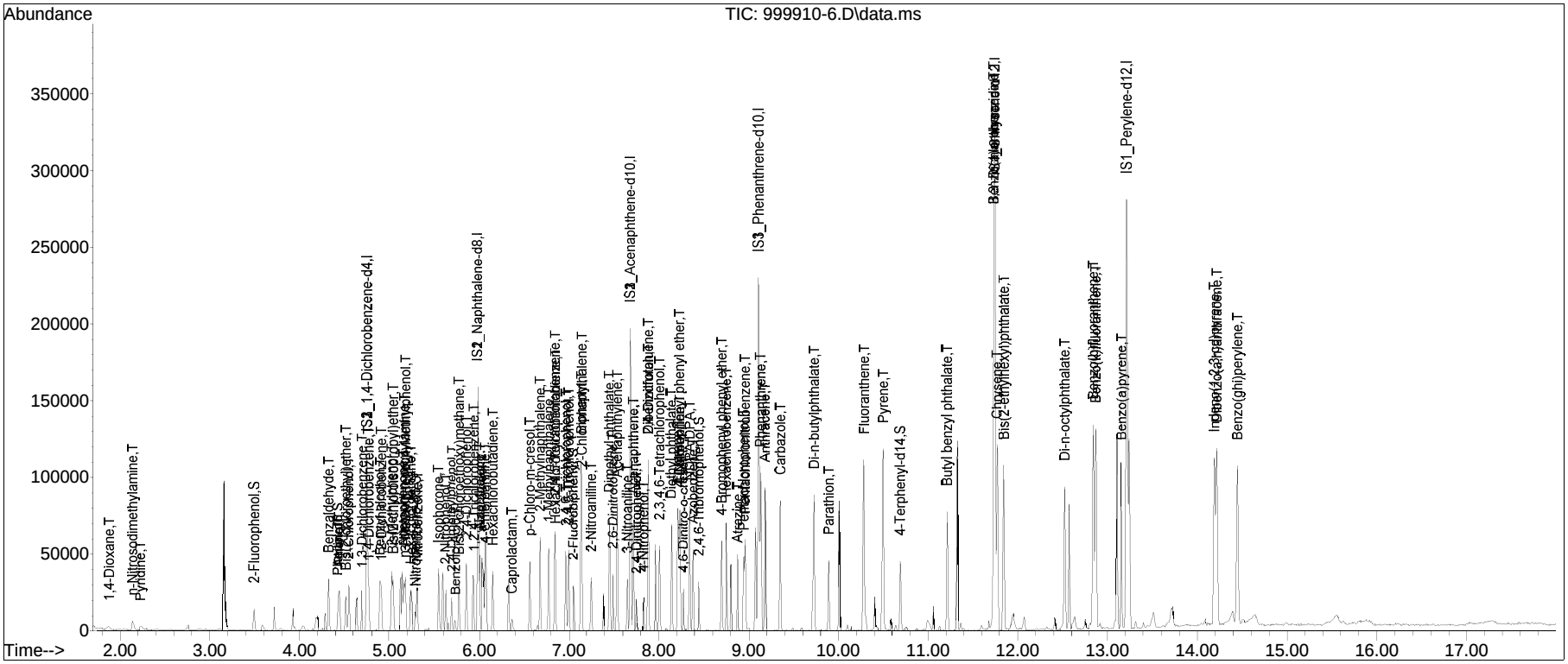
(#) = qualifier out of range (m) = manual integration (+) = signals summed

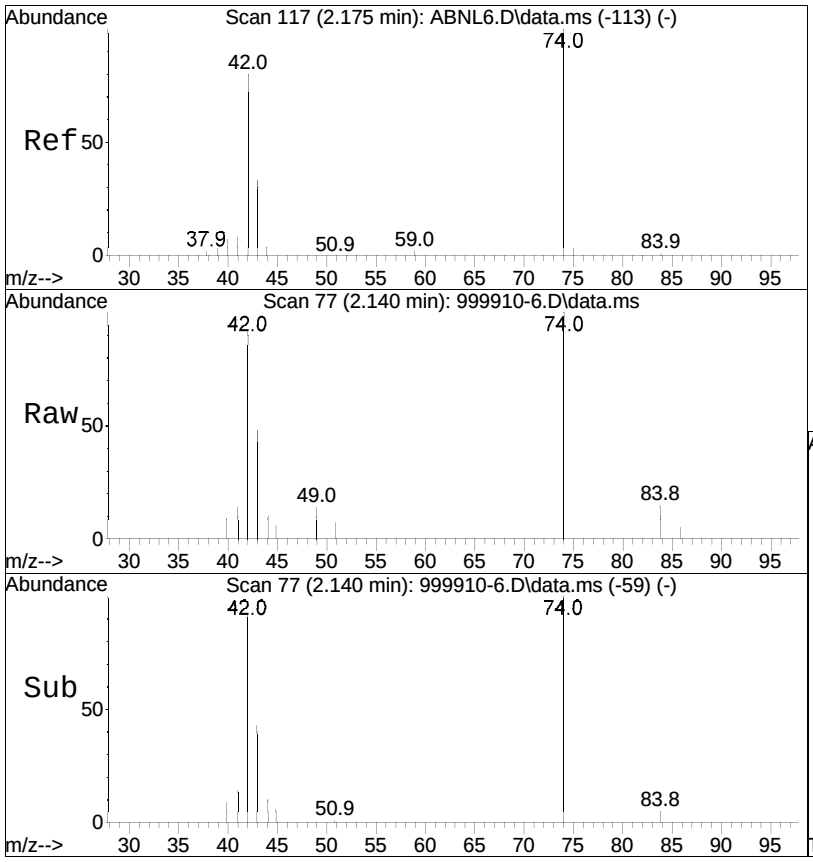
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241121RVT\
Data File : 999910-6.D
Acq On : 22 Nov 2024 05:17 am
Operator : SV112:ek
Sample : WG1999910-6,32,,ASK
Misc : WG2000769,WG1999910,ical21241
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 23 08:30:32 2024
Quant Method : I:\8270\SV112\241121RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 22:29:10 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP91121.D•

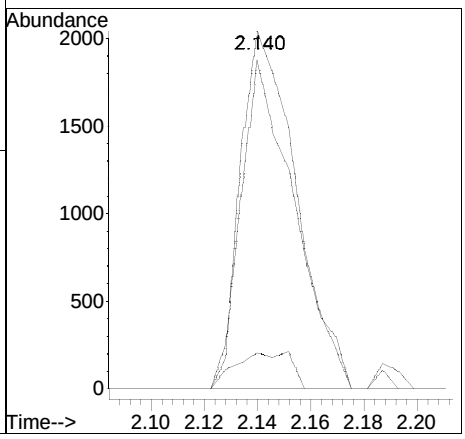


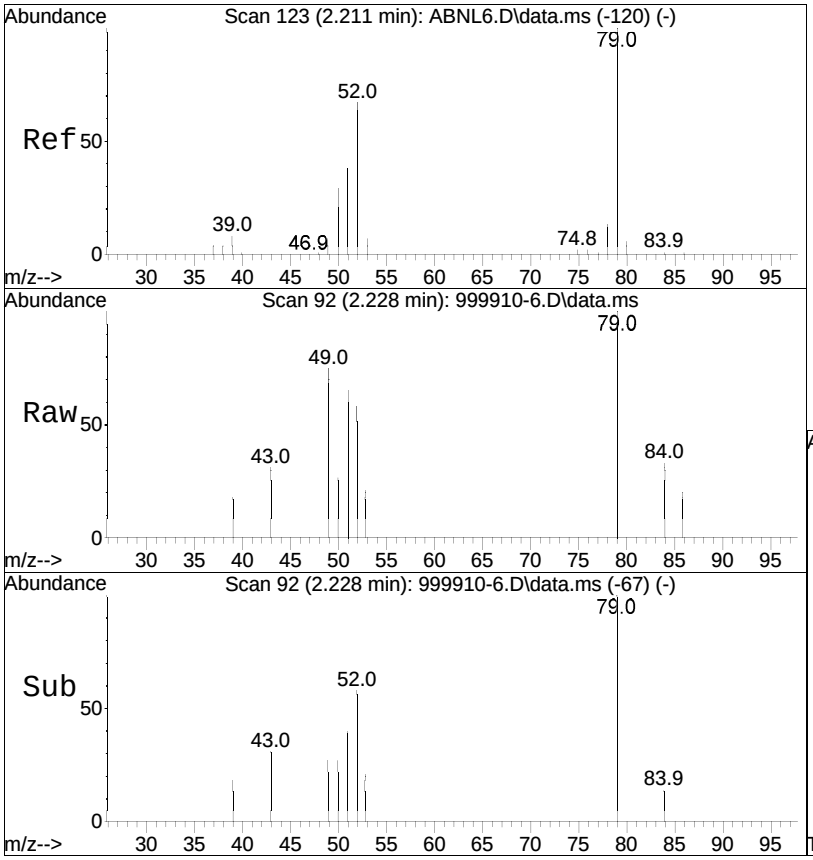


#2
n-Nitrosodimethylamine
Concen: 0.99 ug/ml
RT: 2.140 min Scan# 77
Delta R.T. 0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 74 Resp: 2935

Ion	Ratio	Lower	Upper
74	100		
42	89.3	63.8	95.8
44	0.0	4.3	6.5#

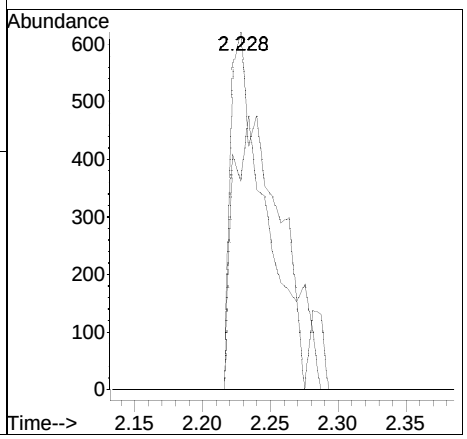


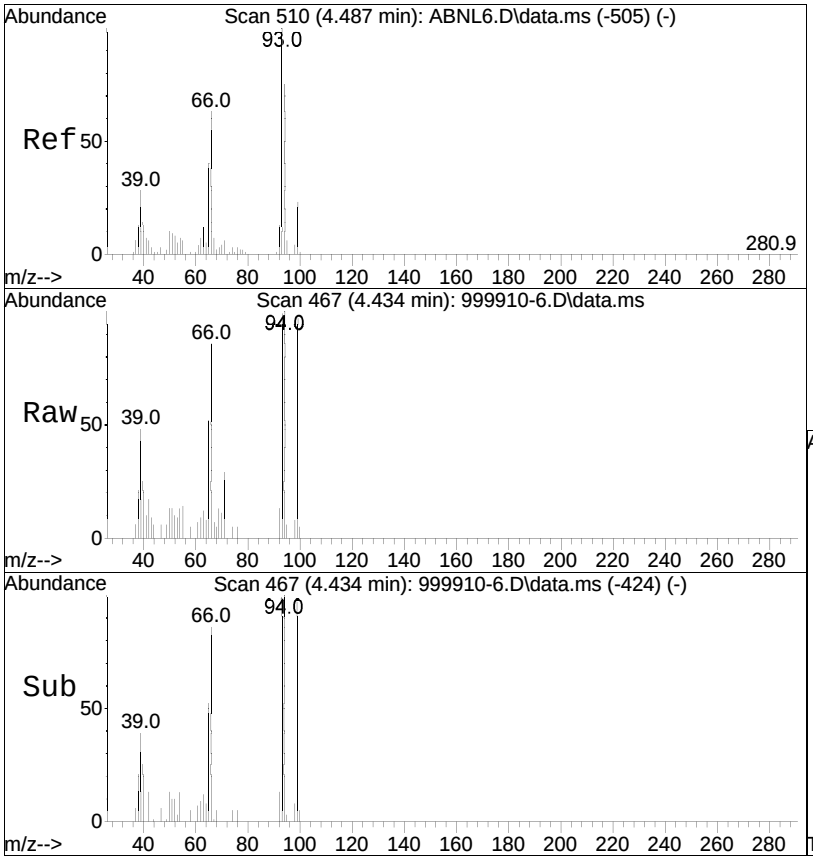


#3
Pyridine
Concen: 0.28 ug/ml M1
RT: 2.228 min Scan# 92
Delta R.T. 0.047 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 79 Resp: 1336

Ion	Ratio	Lower	Upper
79	100		
52	62.3	64.6	96.8#

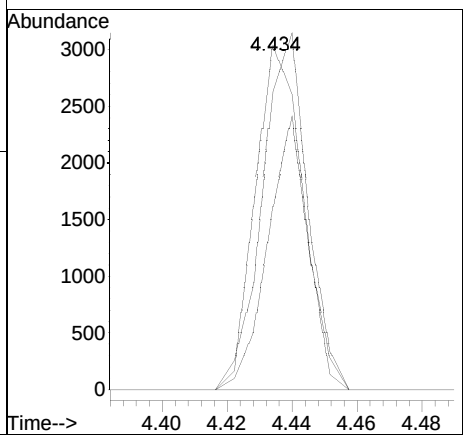


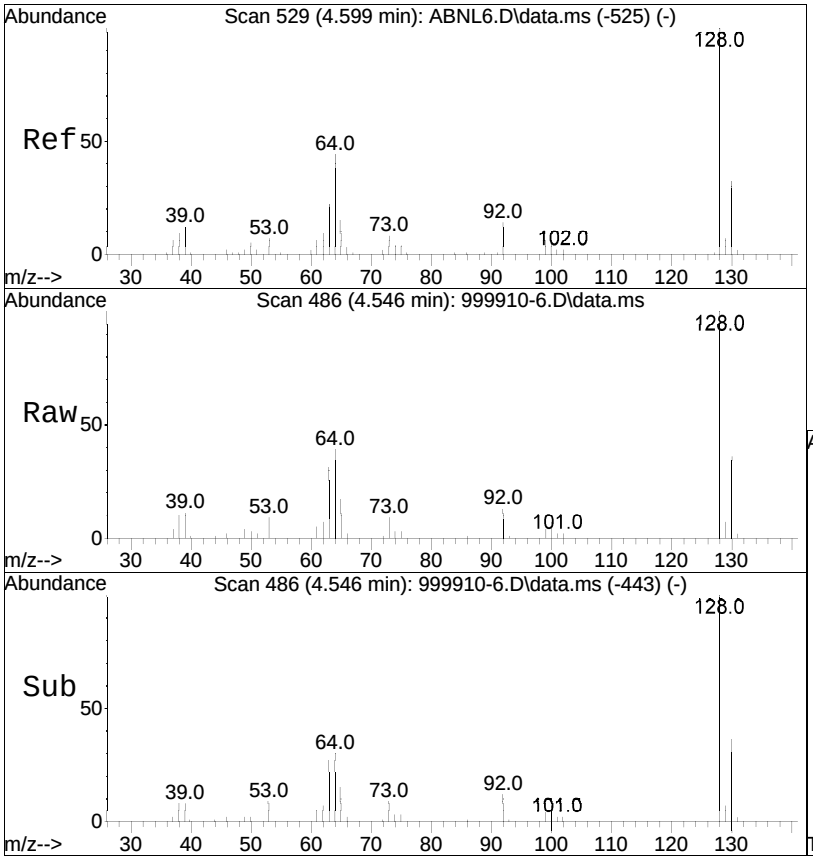


#5
Aniline
Concen: 0.38 ug/ml
RT: 4.434 min Scan# 467
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 93 Resp: 3073

Ion	Ratio	Lower	Upper
93	100		
66	99.5	31.3	46.9#
65	69.1	16.6	25.0#

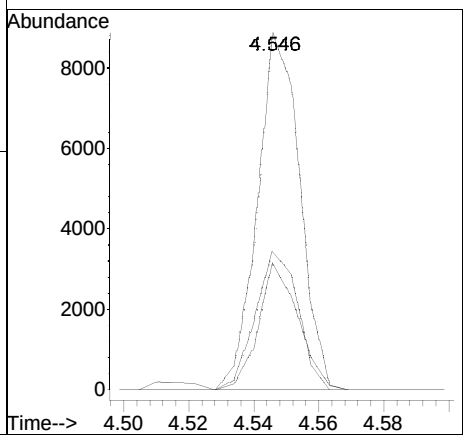


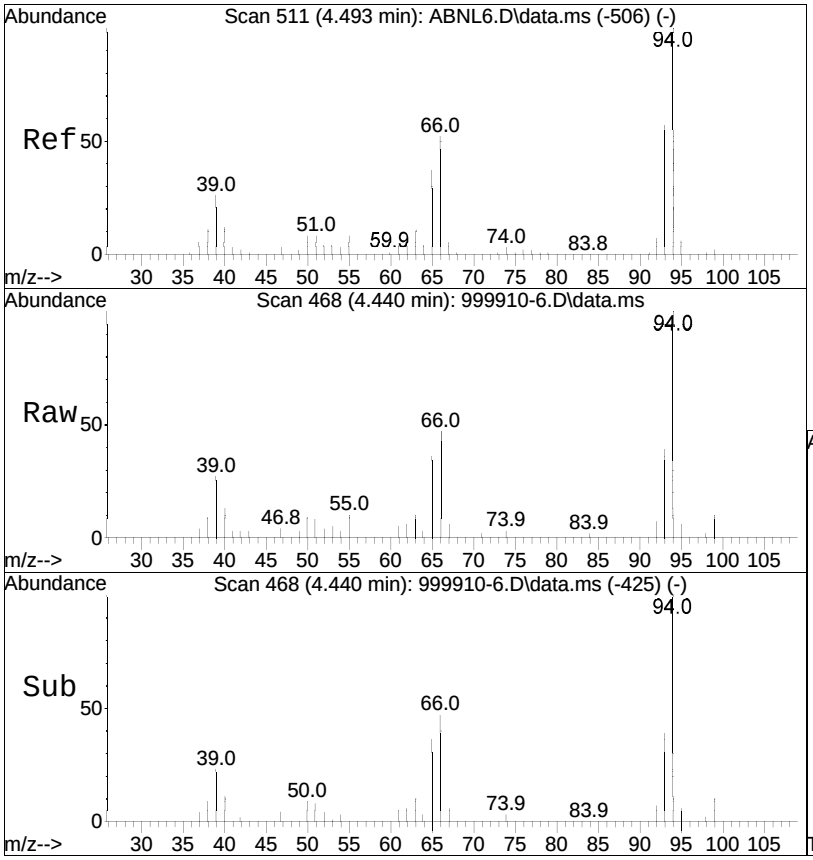


#6
2-Chlorophenol
Concen: 1.41 ug/ml
RT: 4.546 min Scan# 486
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:128 Resp: 7941

Ion	Ratio	Lower	Upper
128	100		
64	39.3	38.2	57.4
130	33.6	26.2	39.2

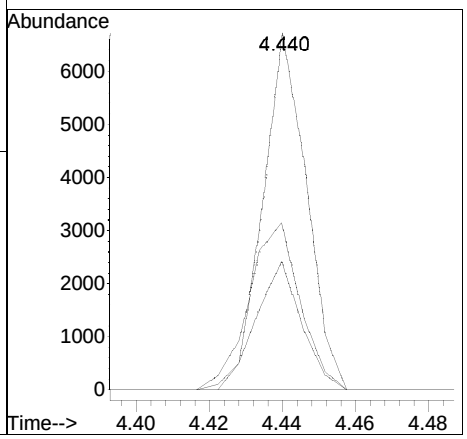


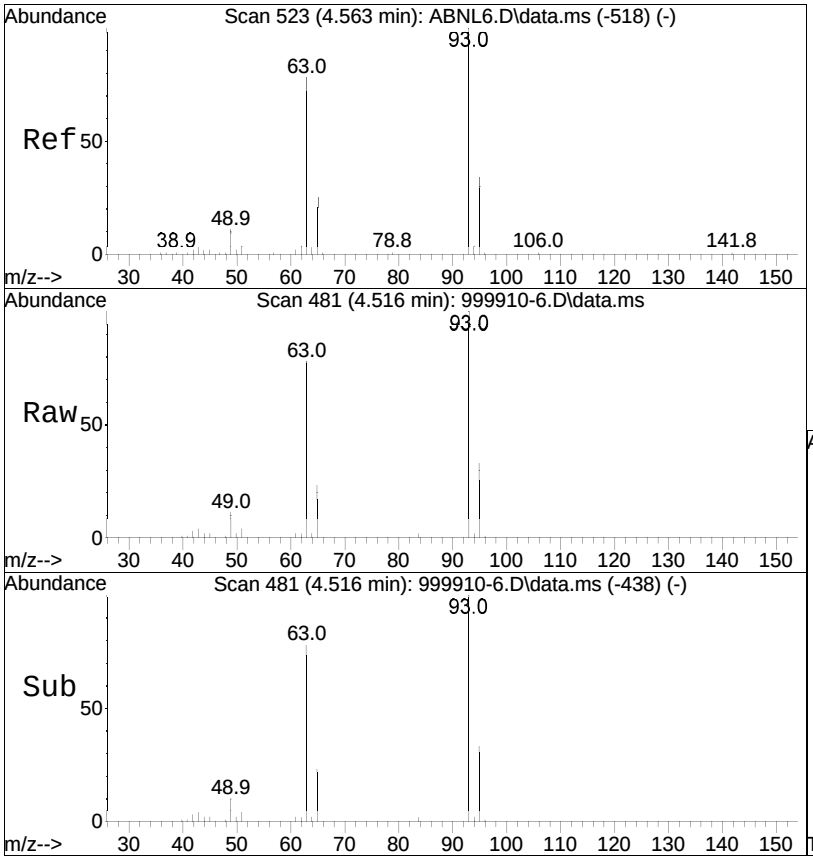


#8
Phenol
Concen: 0.78 ug/ml
RT: 4.440 min Scan# 468
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 94 Resp: 5529

Ion	Ratio	Lower	Upper
94	100		
65	38.4	23.0	34.6#
66	55.3	32.1	48.1#

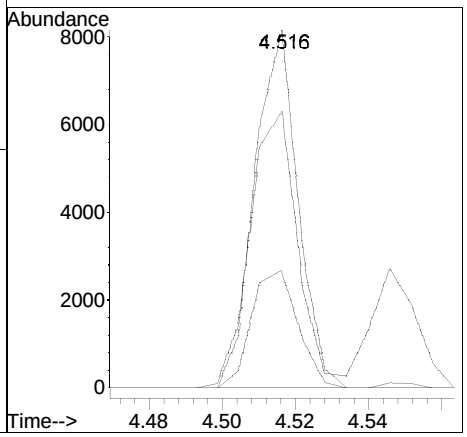


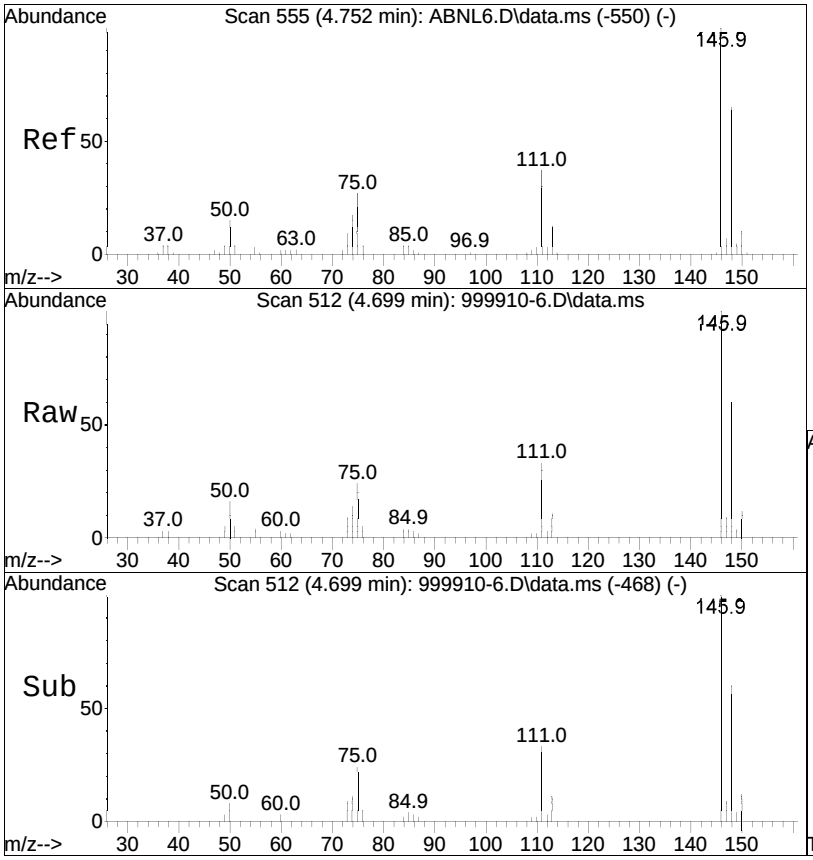


#9
Bis(2-chloroethyl)ether
Concen: 1.26 ug/ml
RT: 4.516 min Scan# 481
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 93 Resp: 6649

Ion	Ratio	Lower	Upper
93	100		
63	85.9	67.0	100.4
95	35.4	26.1	39.1

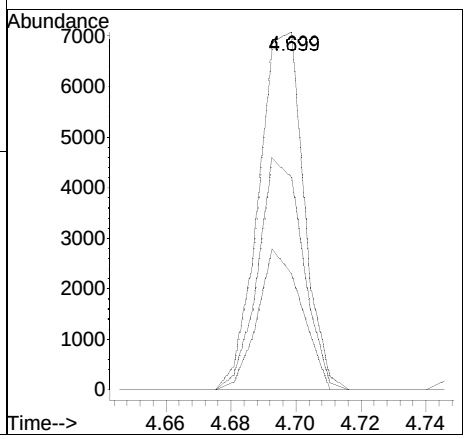


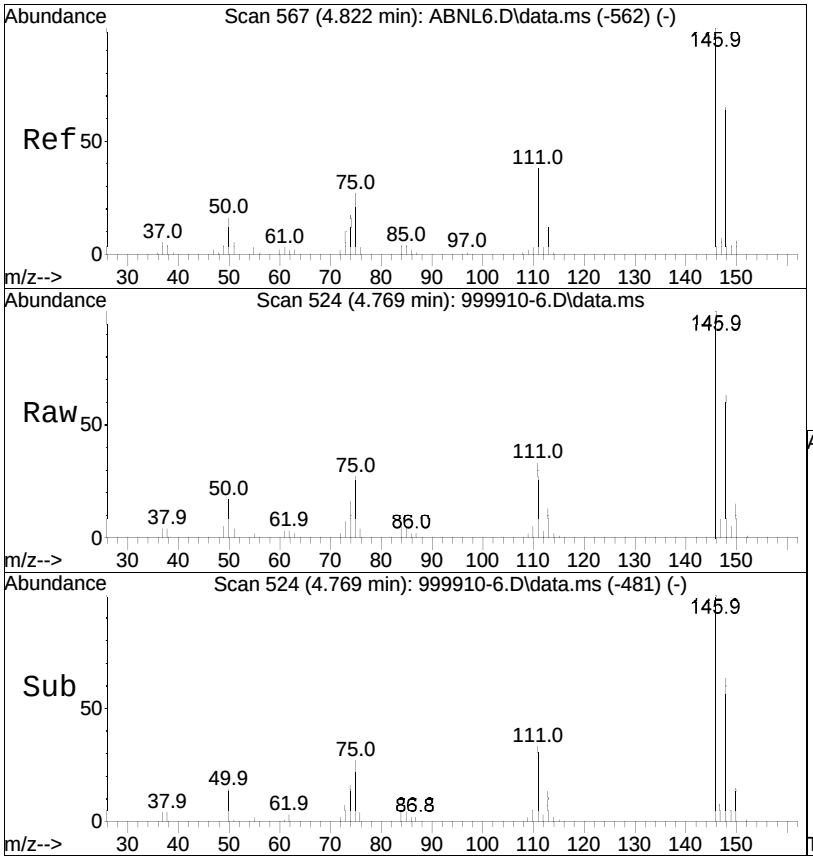


#10
1,3-Dichlorobenzene
Concen: 1.00 ug/ml
RT: 4.699 min Scan# 512
Delta R.T. 0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:146 Resp: 6796

Ion	Ratio	Lower	Upper
146	100		
111	38.2	35.0	52.4
148	64.1	51.3	76.9

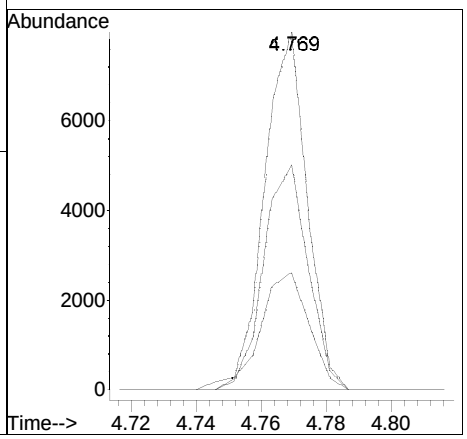


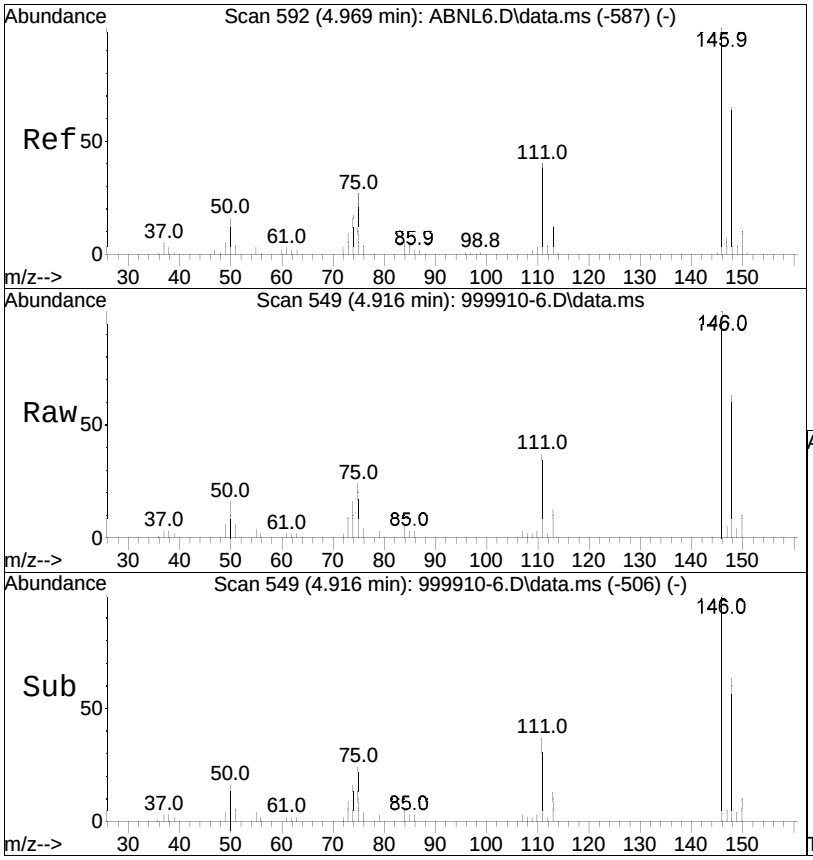


#11
1,4-Dichlorobenzene
Concen: 1.01 ug/ml
RT: 4.769 min Scan# 524
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:146 Resp: 7181

Ion	Ratio	Lower	Upper
146	100		
148	66.1	51.1	76.7
111	38.1	34.4	51.6

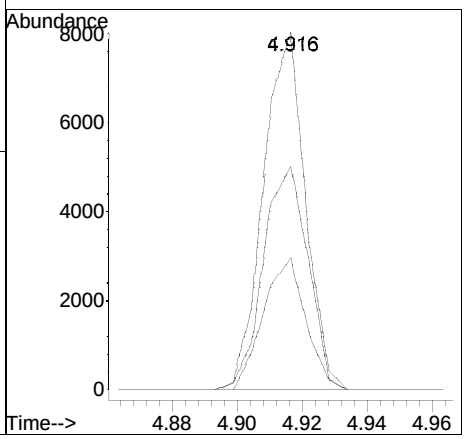


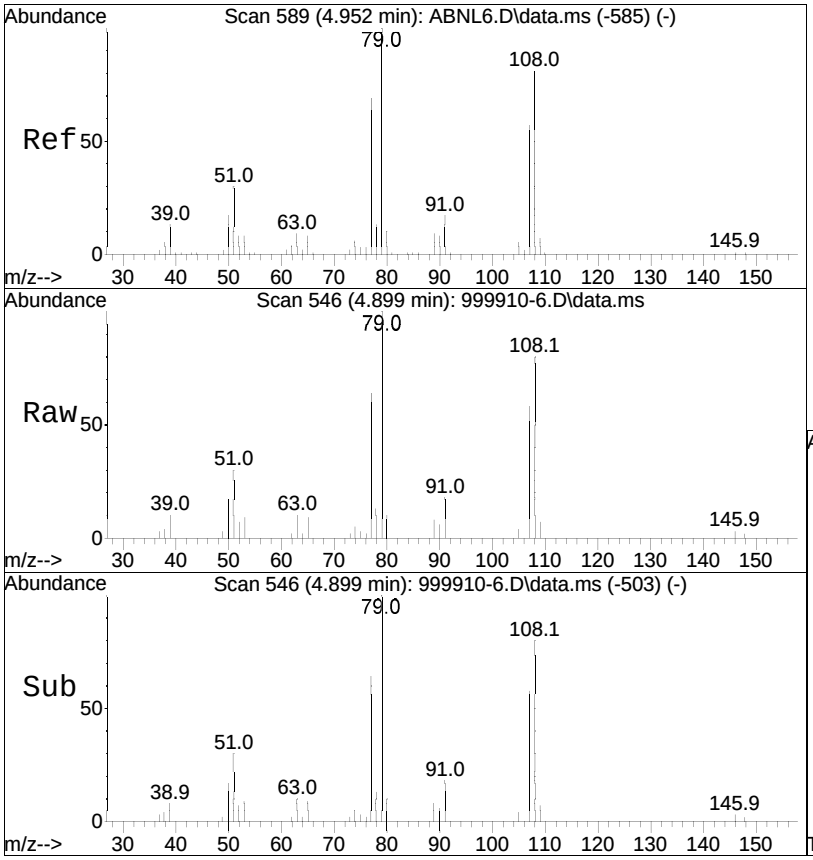


#12
1,2-Dichlorobenzene
Concen: 1.07 ug/ml
RT: 4.916 min Scan# 549
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:146 Resp: 7131

Ion	Ratio	Lower	Upper
146	100		
111	37.6	35.5	53.3
148	66.8	50.6	76.0

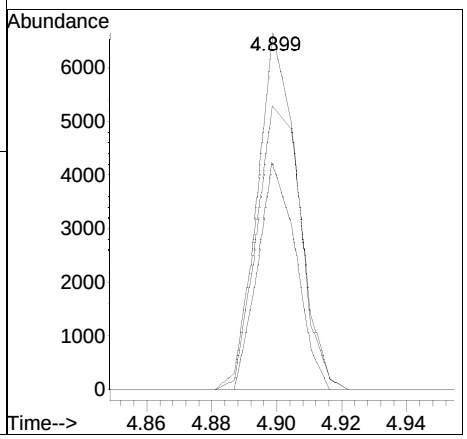


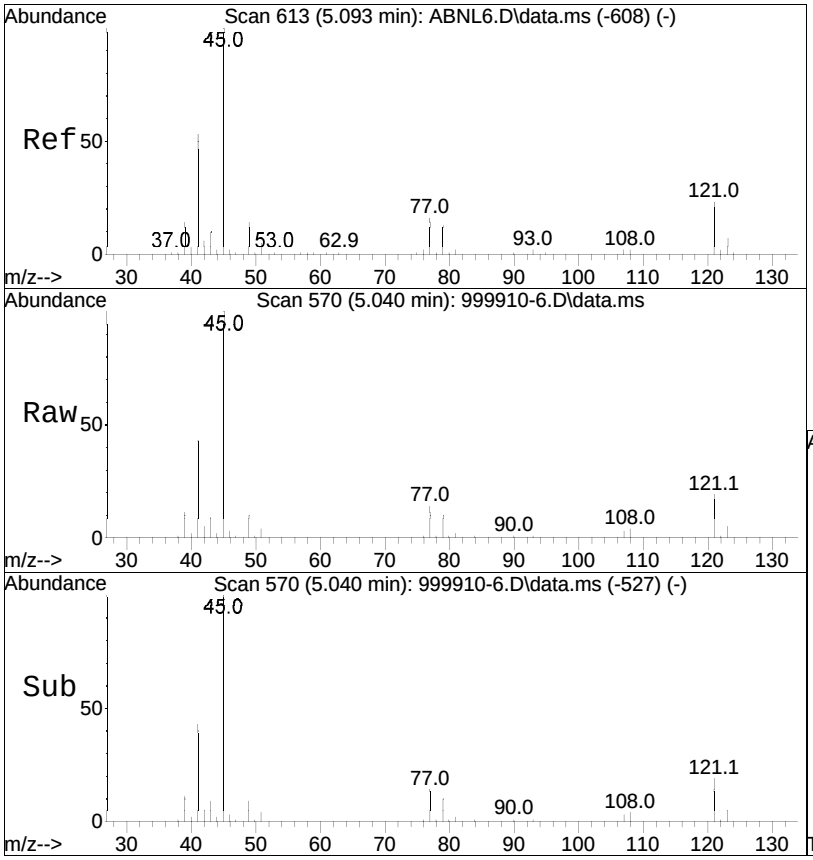


#13
Benzyl alcohol
Concen: 1.33 ug/ml
RT: 4.899 min Scan# 546
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 79 Resp: 5667

Ion	Ratio	Lower	Upper
79	100		
77	61.1	51.8	77.6
108	89.1	63.9	95.9

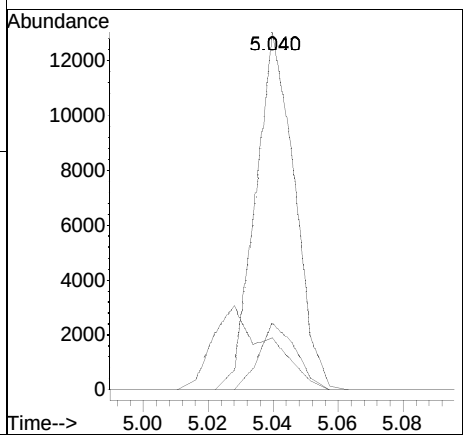


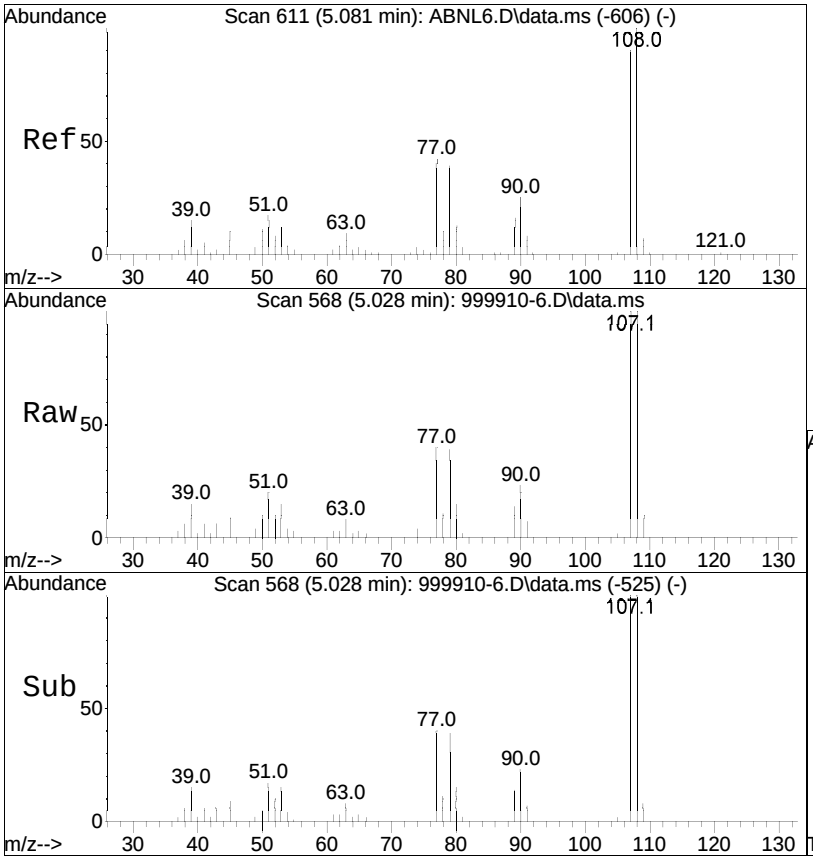


#14
Bis(2-chloroisopropyl)ether
Concen: 1.62 ug/ml
RT: 5.040 min Scan# 570
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 45 Resp: 10784

Ion	Ratio	Lower	Upper
45	100		
121	17.7	14.8	22.2
77	33.9	10.5	15.7#

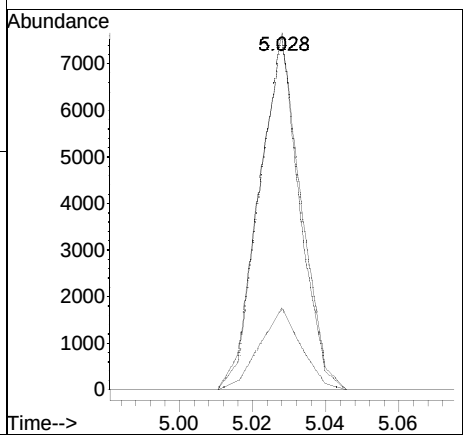


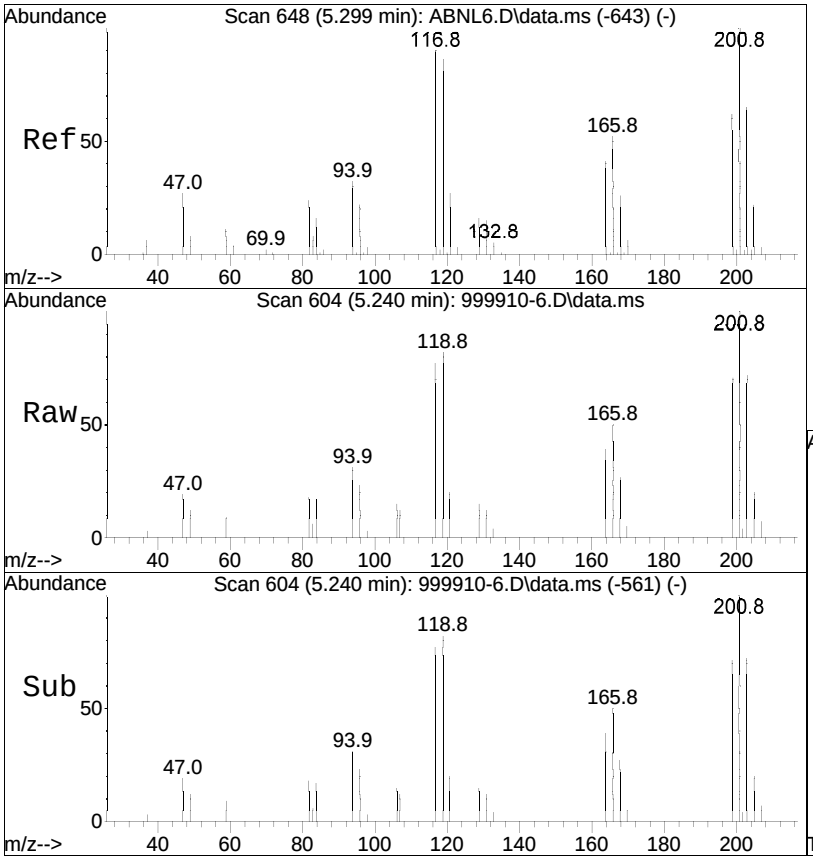


#15
2-Methylphenol
Concen: 1.26 ug/ml
RT: 5.028 min Scan# 568
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:108 Resp: 5987

Ion	Ratio	Lower	Upper
108	100		
107	95.6	71.0	106.4
90	23.0	19.7	29.5

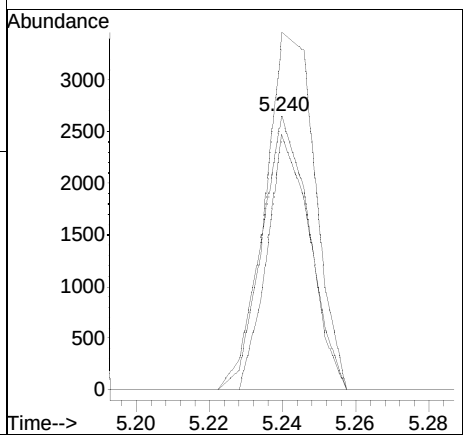


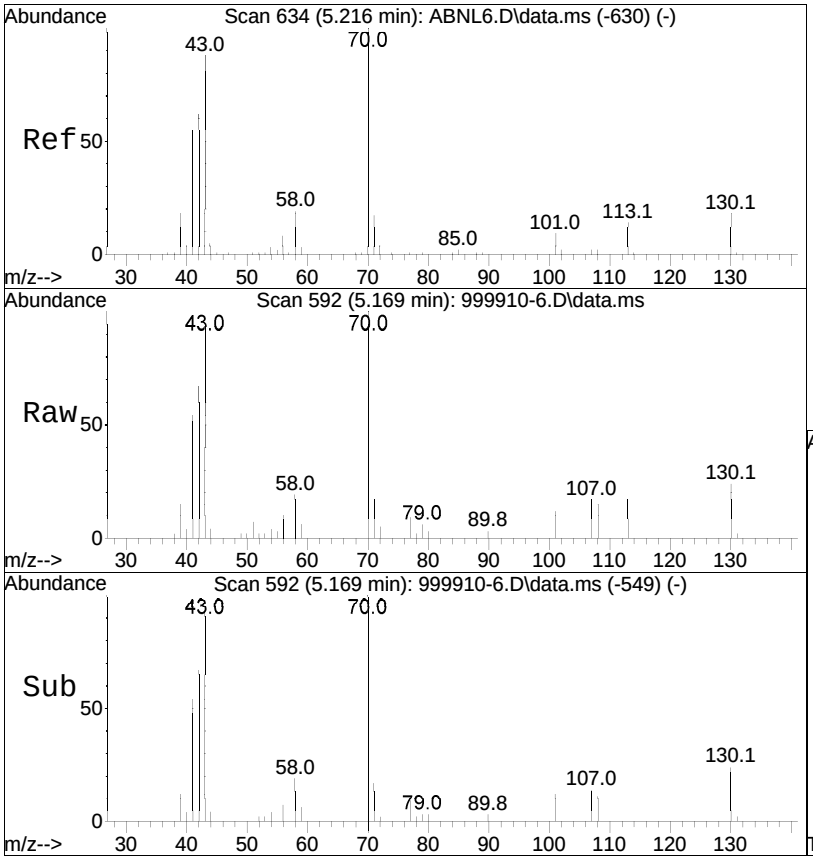


#16
Hexachloroethane
Concen: 0.96 ug/ml
RT: 5.240 min Scan# 604
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:117 Resp: 2401

Ion	Ratio	Lower	Upper
117	100		
201	135.5	64.4	96.6#
199	85.0	40.5	60.7#

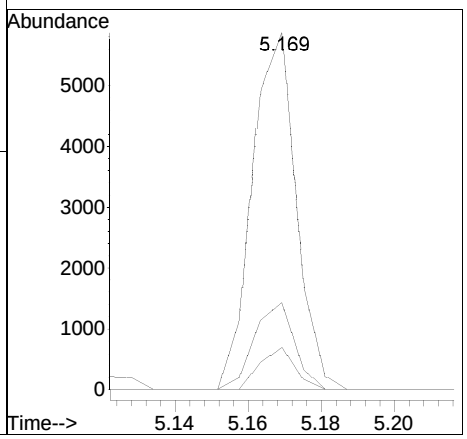


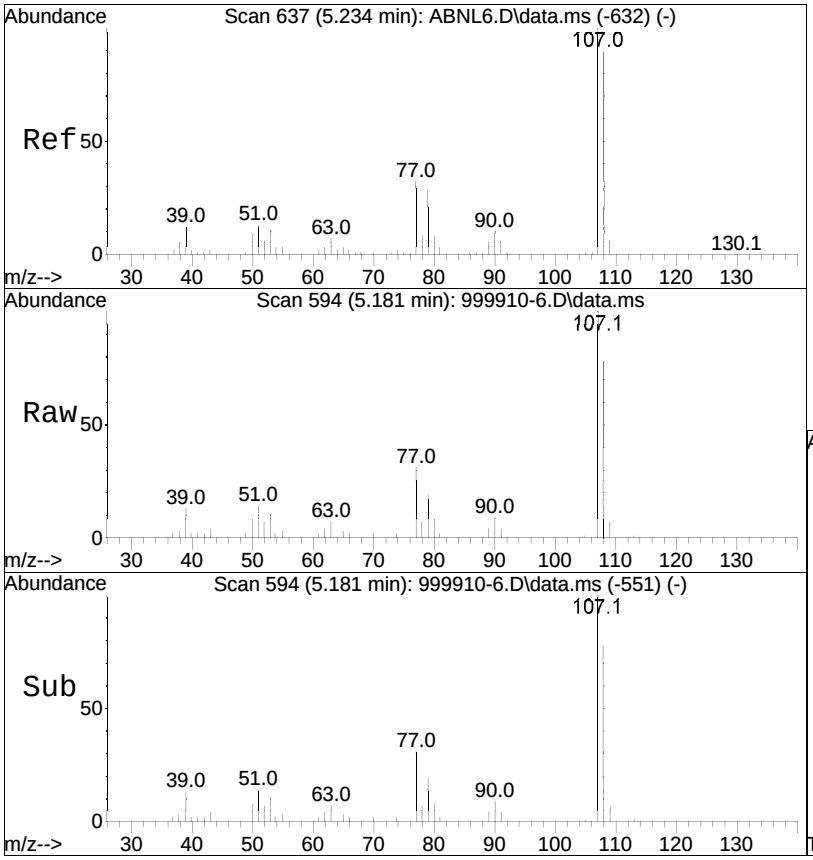


#17
n-Nitrosodi-n-propylamine
Concen: 1.25 ug/ml
RT: 5.169 min Scan# 592
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 70 Resp: 4892

Ion	Ratio	Lower	Upper
70	100		
130	22.4	16.2	24.4
101	0.0	7.6	11.4#

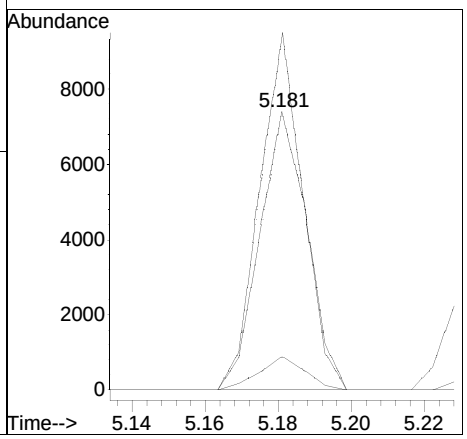


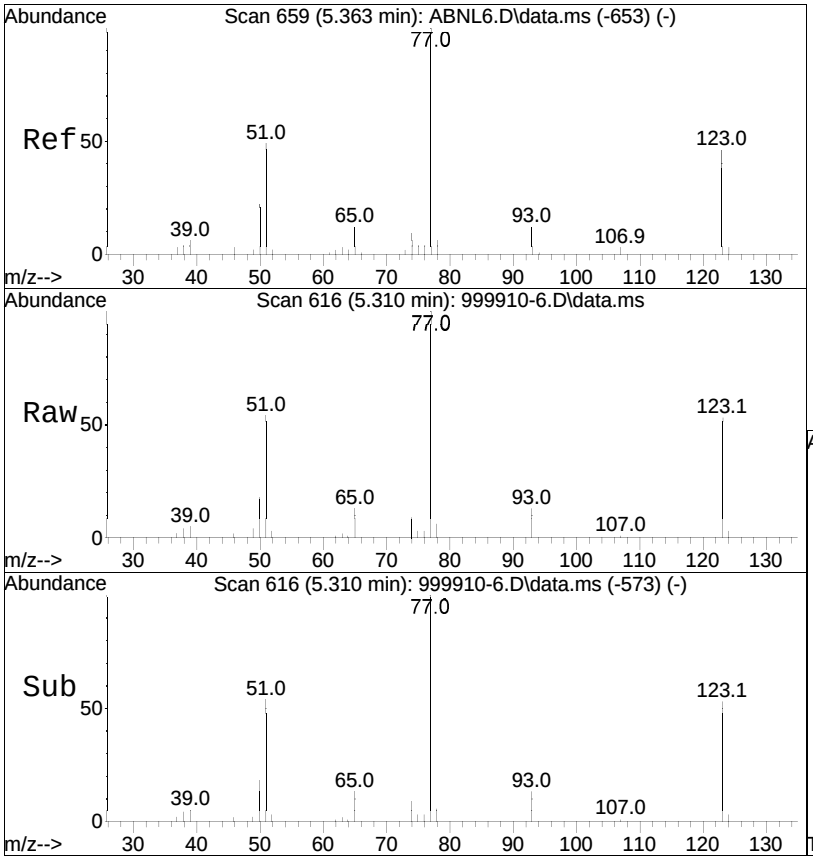


#18
3-Methylphenol/4-Methylphenol
Concen: 1.26 ug/ml
RT: 5.181 min Scan# 594
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:108 Resp: 6523

Ion	Ratio	Lower	Upper
108	100		
107	120.3	88.8	133.2
90	11.8	9.0	13.6

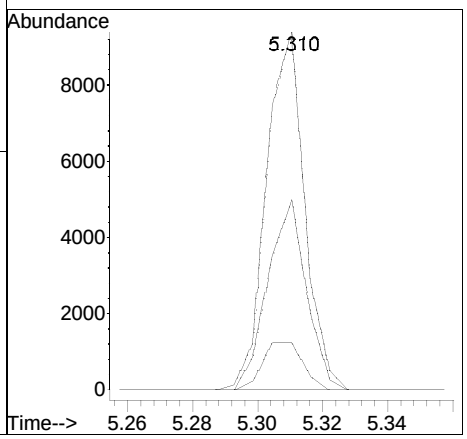


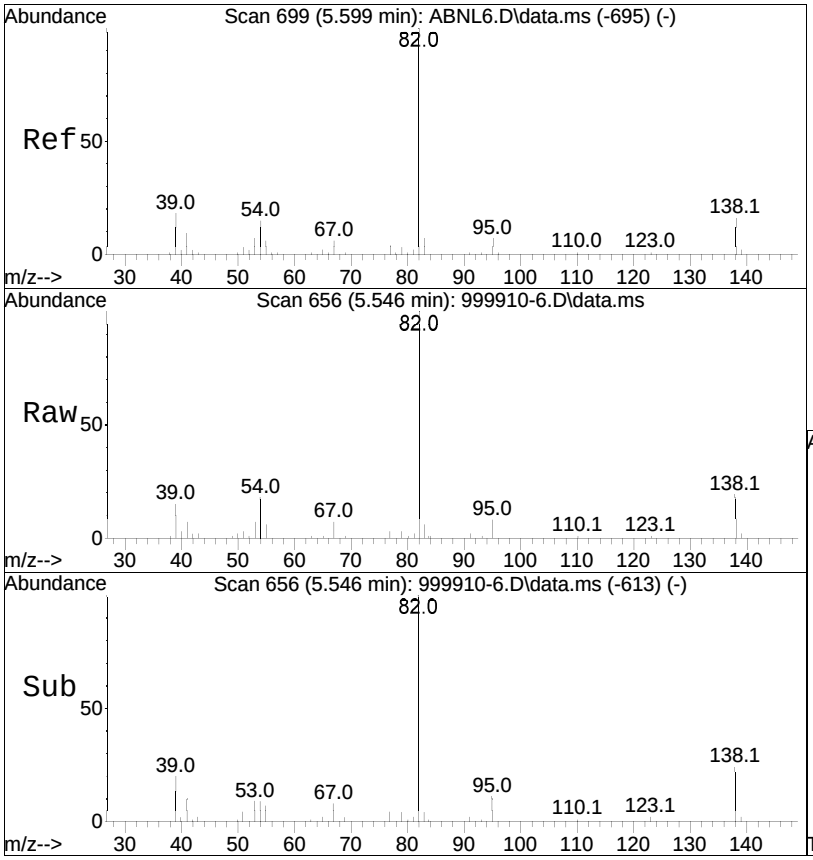


#20
Nitrobenzene
Concen: 1.30 ug/ml
RT: 5.310 min Scan# 616
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 77 Resp: 7581

Ion	Ratio	Lower	Upper
77	100		
123	53.9	37.3	55.9
65	14.3	10.9	16.3

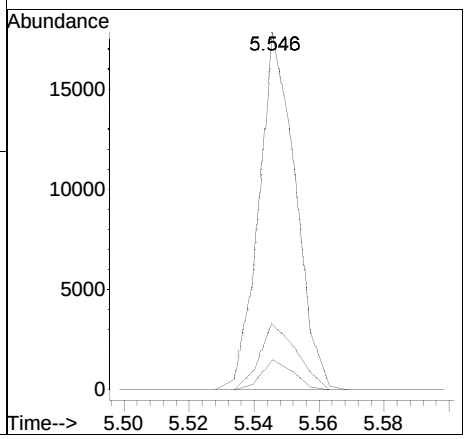


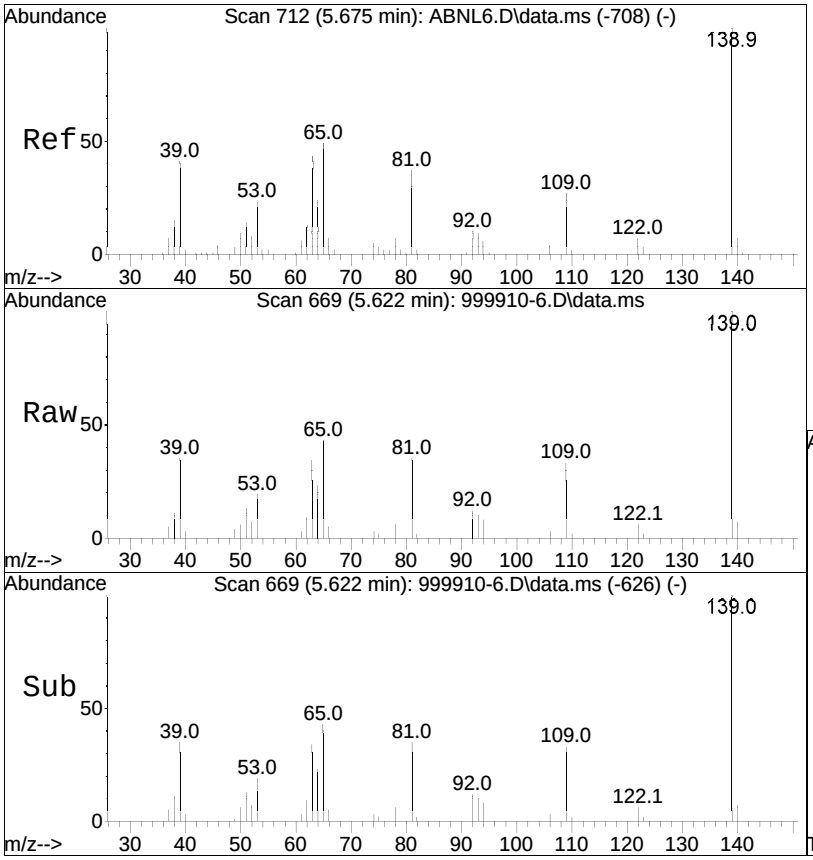


#21
Isophorone
Concen: 1.32 ug/ml
RT: 5.546 min Scan# 656
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 82 Resp: 13806

Ion	Ratio	Lower	Upper
82	100		
138	18.9	13.0	19.4
95	7.4	5.5	8.3

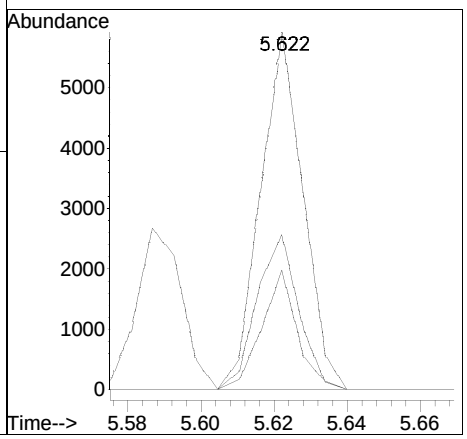


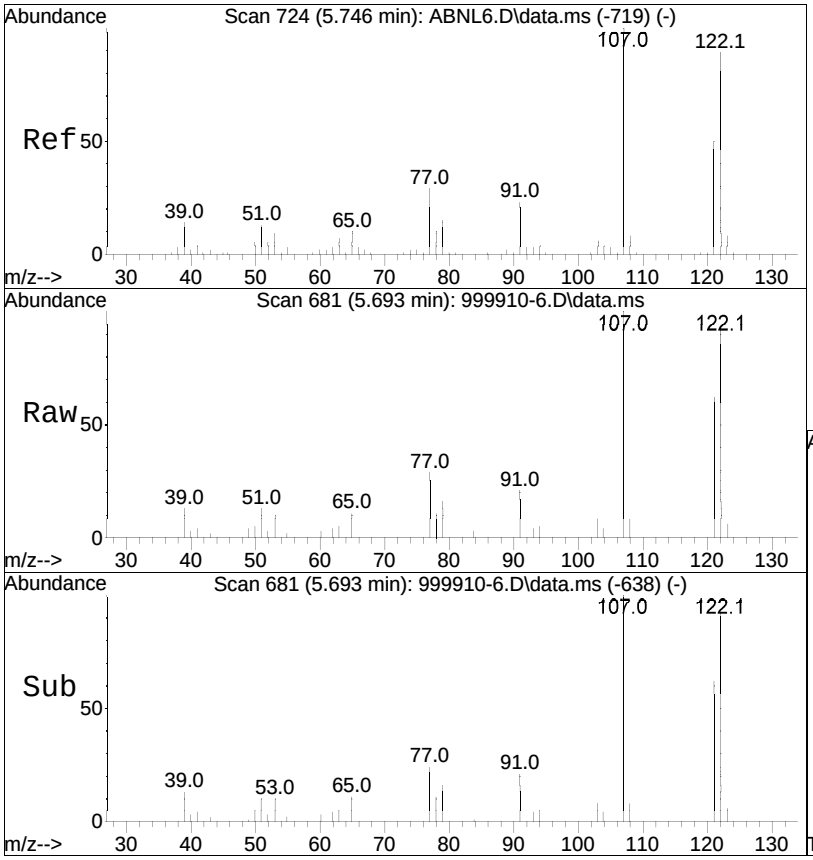


#22
2-Nitrophenol
Concen: 1.84 ug/ml
RT: 5.622 min Scan# 669
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:139 Resp: 4751

Ion	Ratio	Lower	Upper
139	100		
109	28.2	23.1	34.7
65	42.7	41.4	62.2

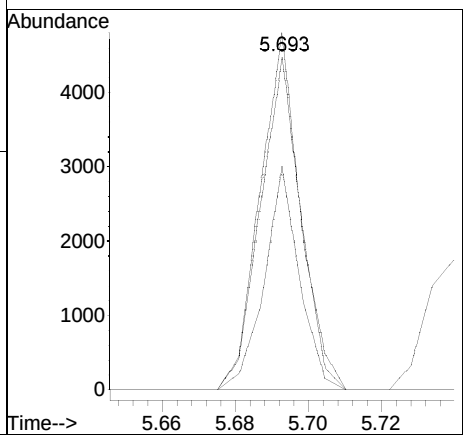


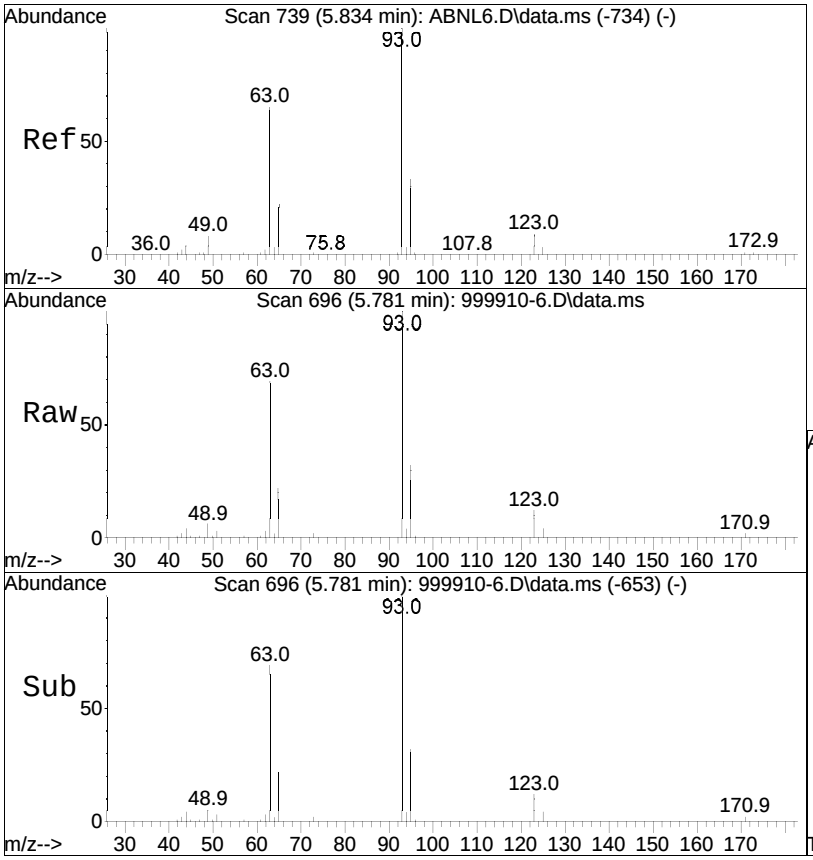


#23
2,4-Dimethylphenol
Concen: 0.74 ug/ml
RT: 5.693 min Scan# 681
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:107 Resp: 3664

Ion	Ratio	Lower	Upper
107	100		
121	54.4	41.3	61.9
122	93.2	69.3	103.9

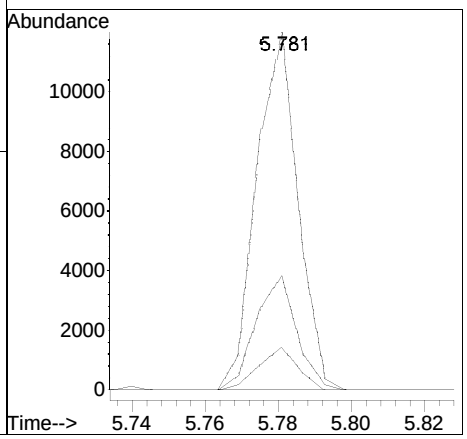


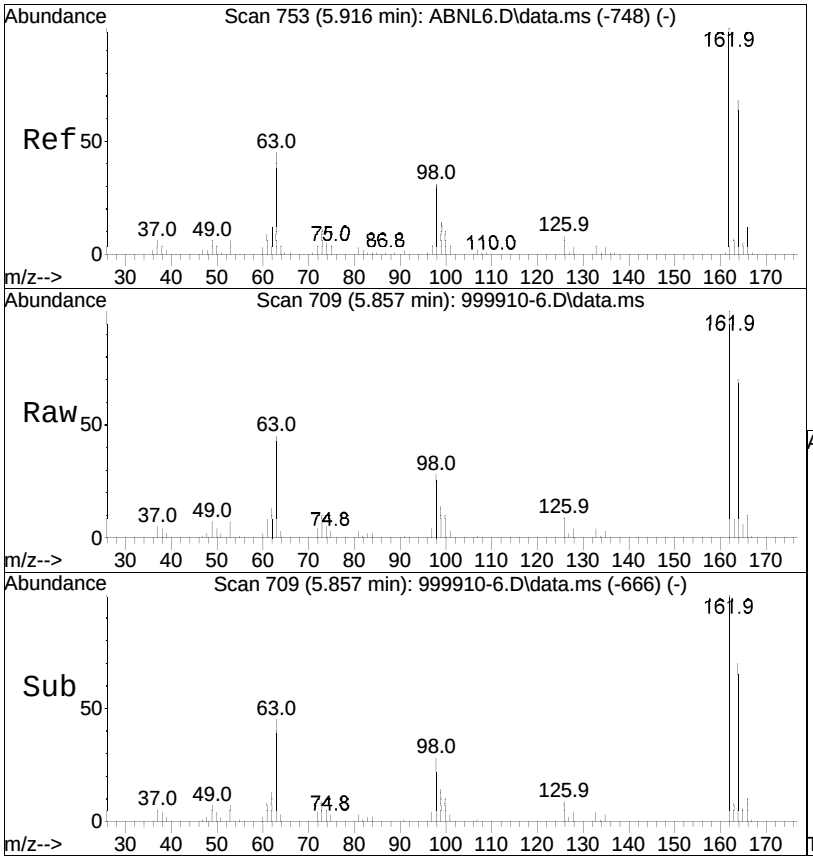


#24
Bis(2-chloroethoxy)methane
Concen: 1.32 ug/ml
RT: 5.781 min Scan# 696
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 93 Resp: 9336

Ion	Ratio	Lower	Upper
93	100		
95	31.6	25.8	38.8
123	11.3	9.6	14.4

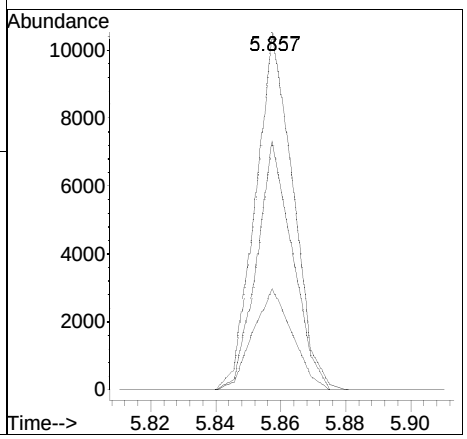


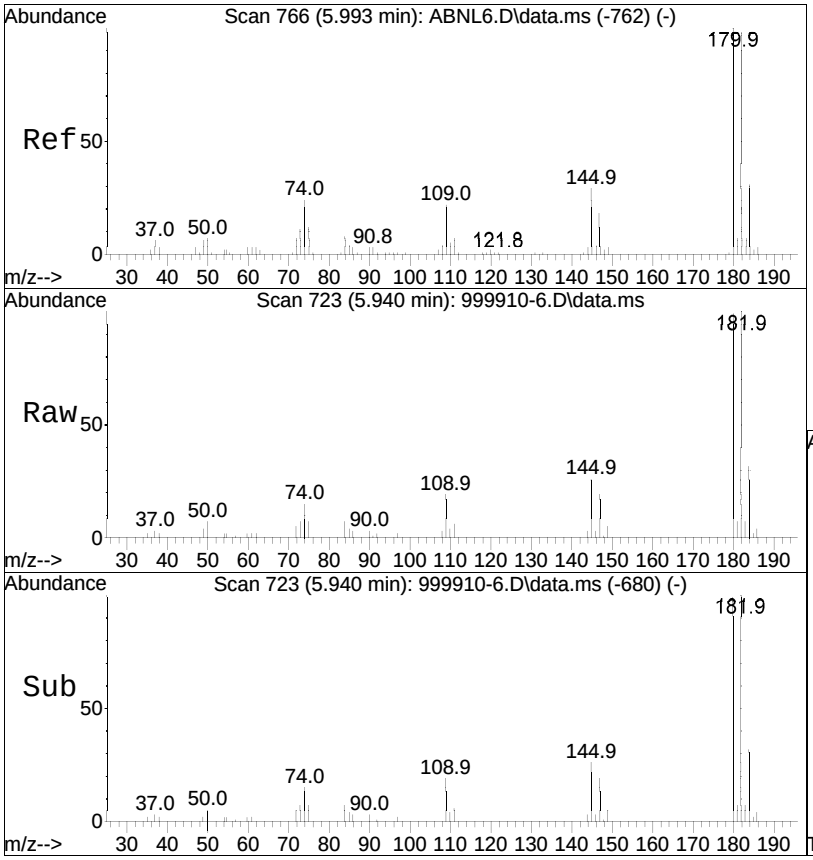


#25
2,4-Dichlorophenol
Concen: 1.61 ug/ml
RT: 5.857 min Scan# 709
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:162 Resp: 8354

Ion	Ratio	Lower	Upper
162	100		
164	66.6	51.1	76.7
98	29.7	32.2	48.2#

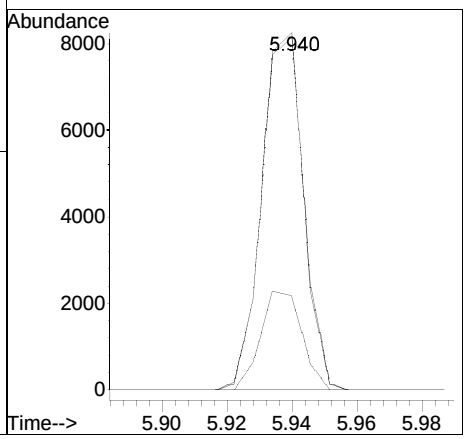


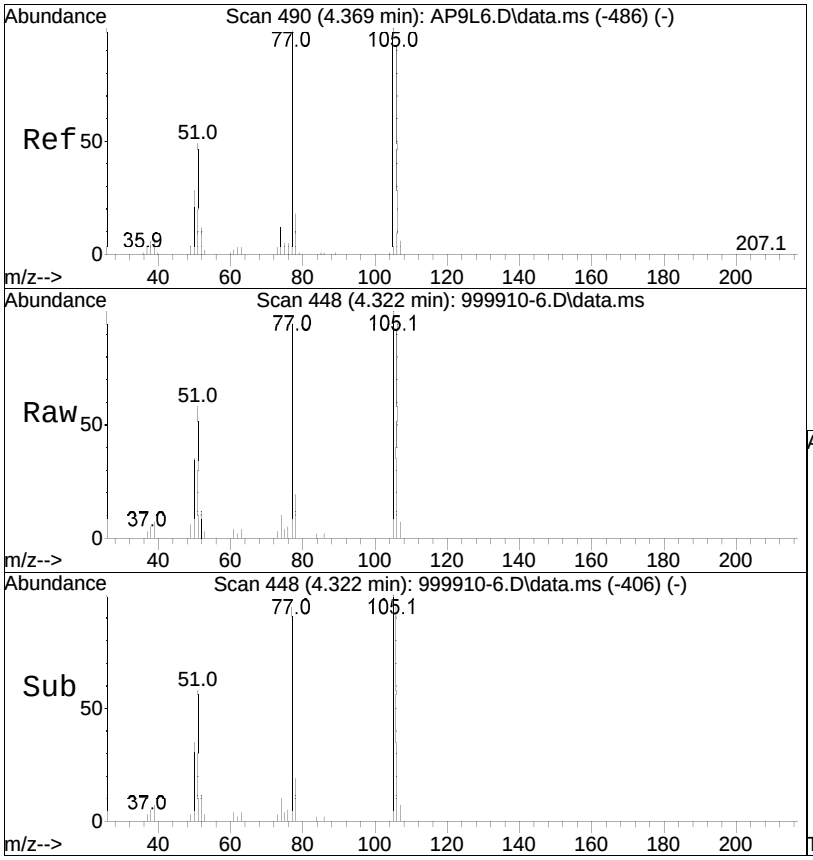


#26
1,2,4-Trichlorobenzene
Concen: 1.11 ug/ml
RT: 5.940 min Scan# 723
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:180 Resp: 7317

Ion	Ratio	Lower	Upper
180	100		
182	99.8	75.8	113.8
145	27.3	26.3	39.5

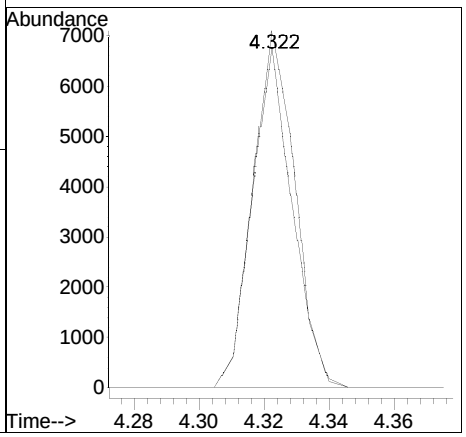


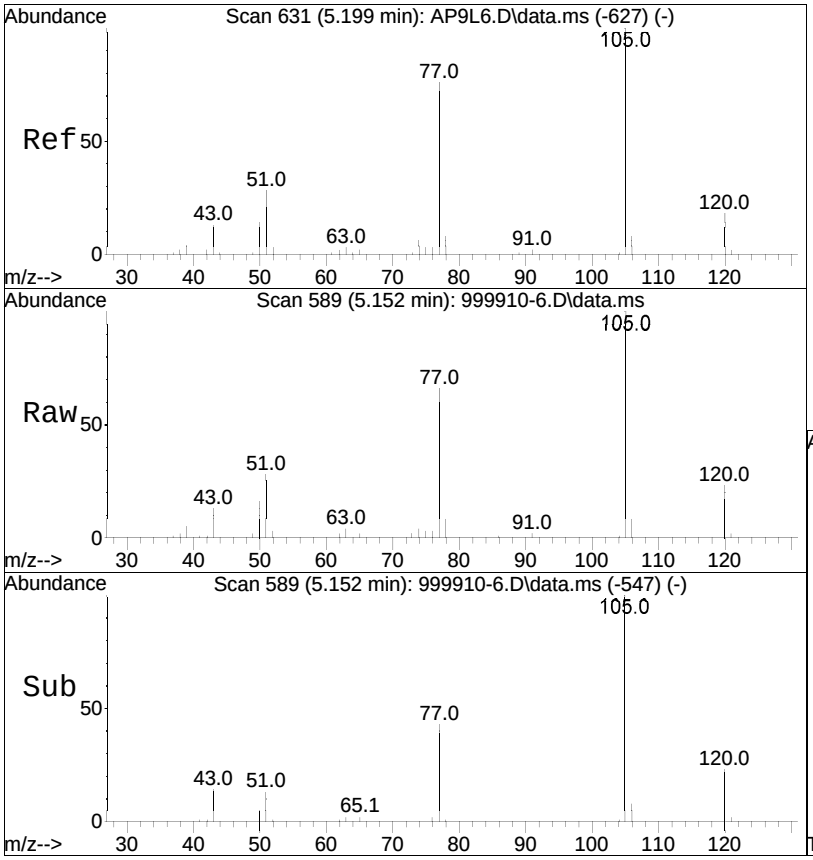


#28
Benzaldehyde
Concen: 1.29 ug/ml
RT: 4.322 min Scan# 448
Delta R.T. -0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:105 Resp: 6374

Ion	Ratio	Lower	Upper
105	100		
77	91.1	77.0	115.6

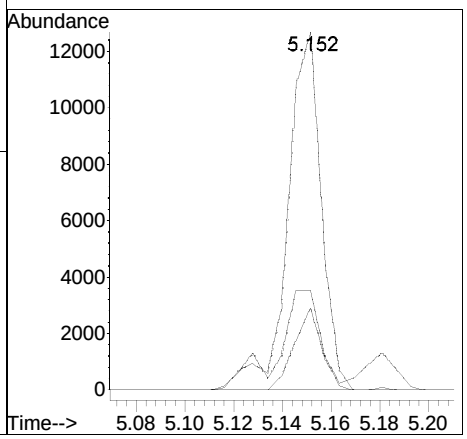


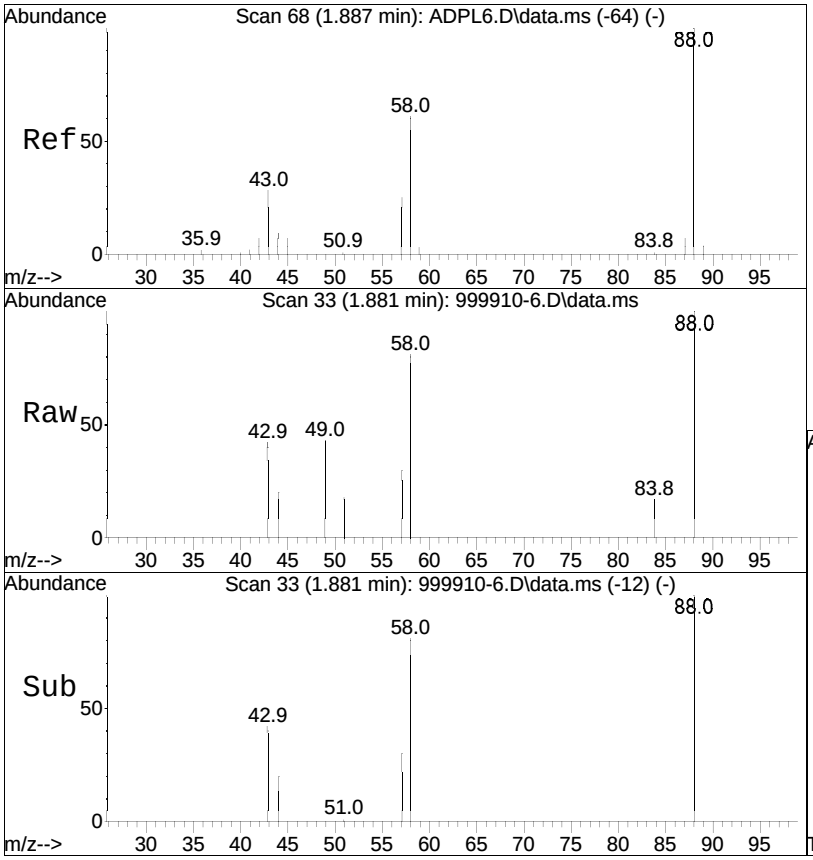


#29
Acetophenone
Concen: 1.39 ug/ml
RT: 5.152 min Scan# 589
Delta R.T. -0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:105 Resp: 11967

Ion	Ratio	Lower	Upper
105	100		
120	18.9	15.2	22.8
51	35.9	23.1	34.7#

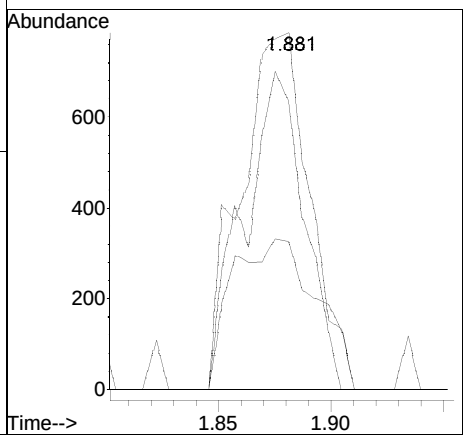


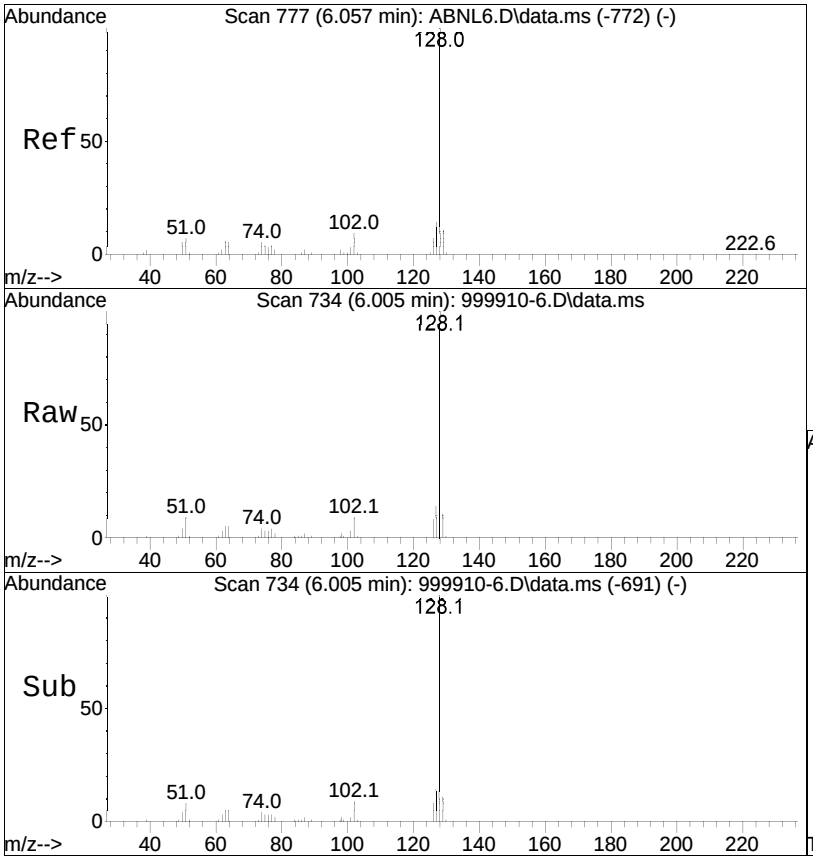


#33
1,4-Dioxane
Concen: 0.78 ug/ml
RT: 1.881 min Scan# 33
Delta R.T. 0.023 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 88 Resp: 1664

Ion	Ratio	Lower	Upper
88	100		
58	78.1	44.8	67.2#
43	51.9	22.4	33.6#

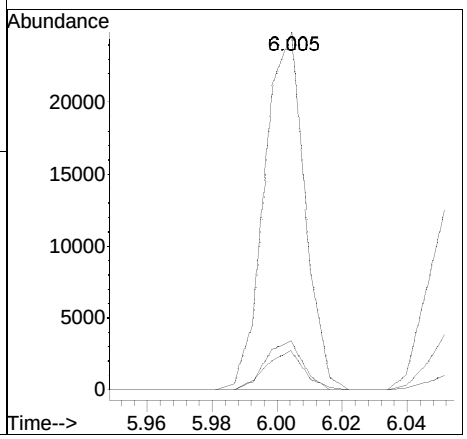


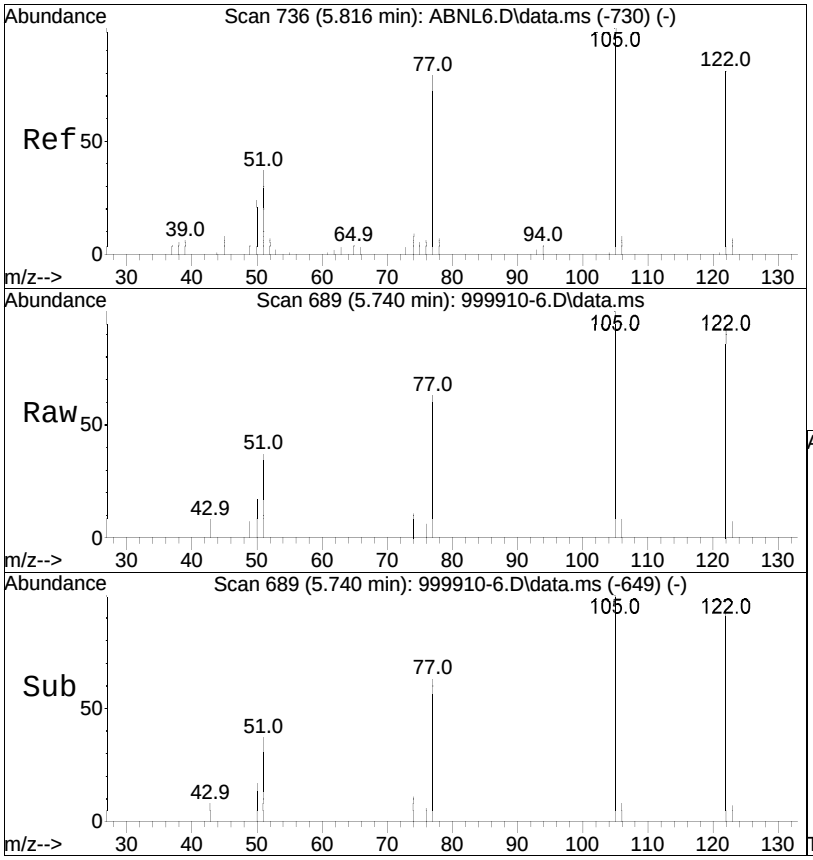


#36
Naphthalene
Concen: 1.24 ug/ml
RT: 6.005 min Scan# 734
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:128 Resp: 21286

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	12.8	10.6	15.8

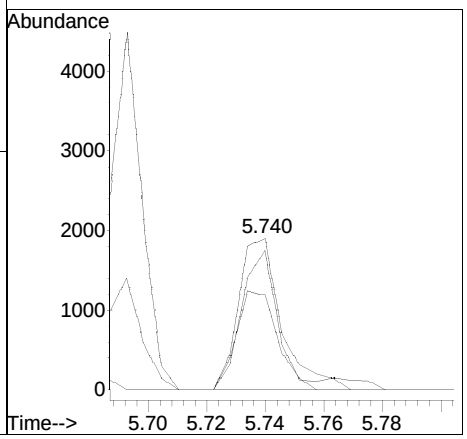


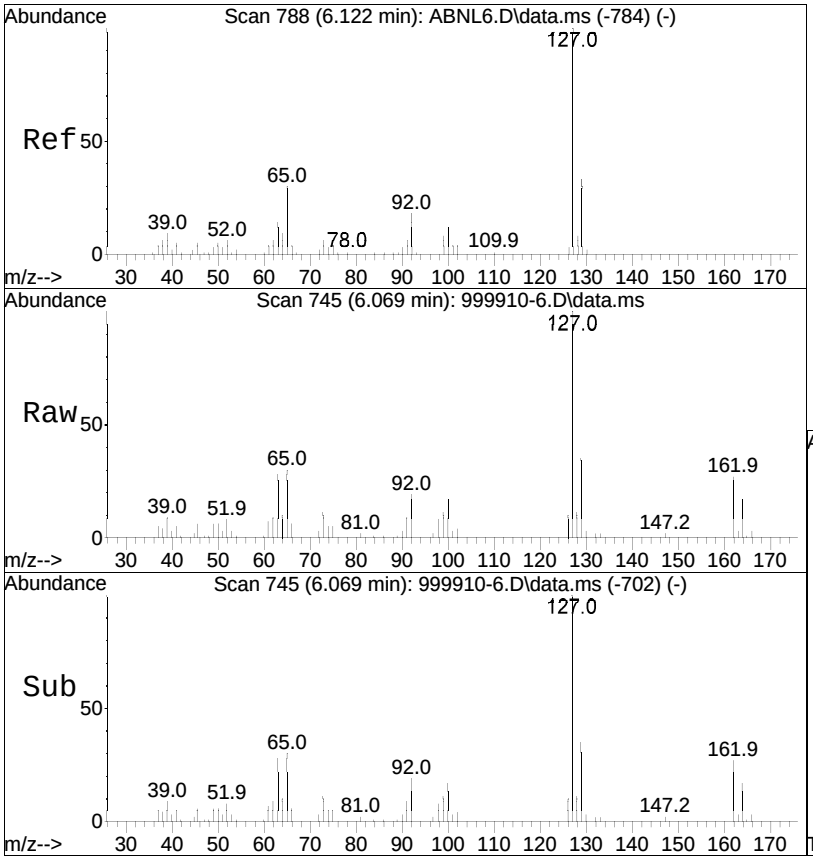


#37
Benzoic Acid
Concen: 1.91 ug/ml
RT: 5.740 min Scan# 689
Delta R.T. -0.018 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:105 Resp: 1949

Ion	Ratio	Lower	Upper
105	100		
122	77.9	62.6	93.8
77	62.4	59.1	88.7

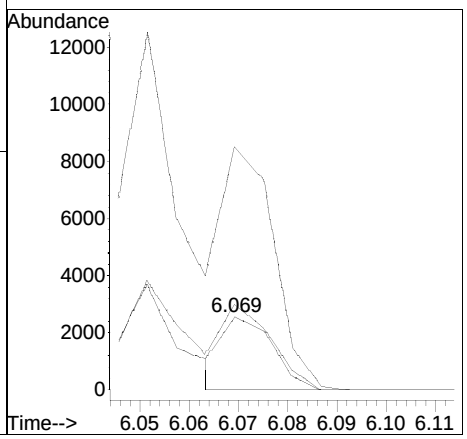


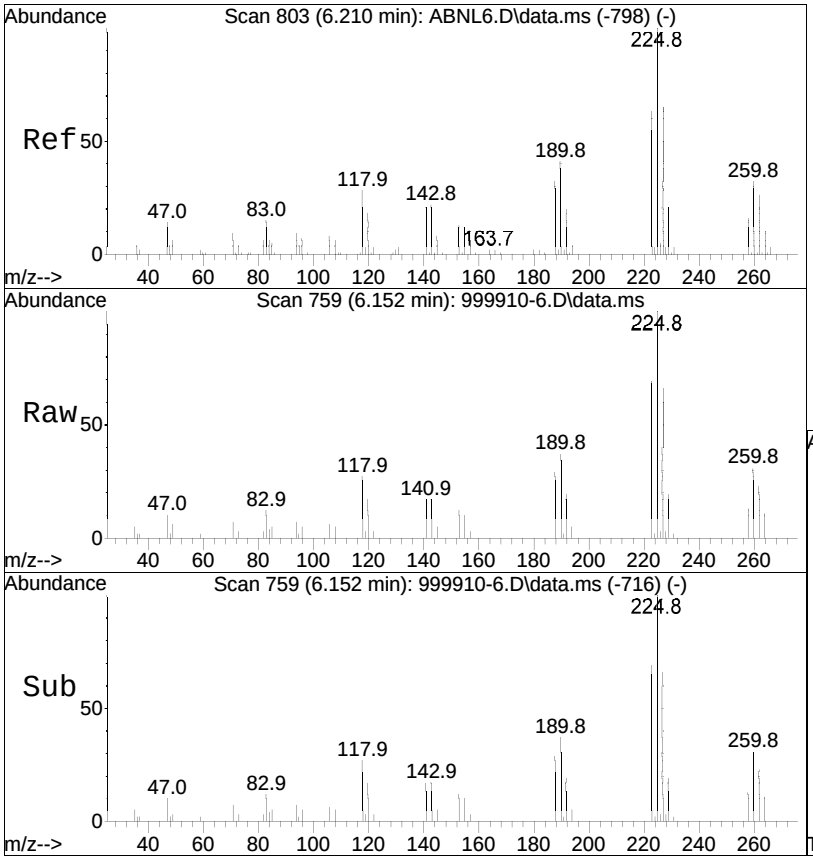


#38
4-Chloroaniline
Concen: 0.93 ug/ml M3
RT: 6.069 min Scan# 745
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 65 Resp: 1799

Ion	Ratio	Lower	Upper
65	100		
127	594.3	266.2	399.4#
129	183.0	85.0	127.4#

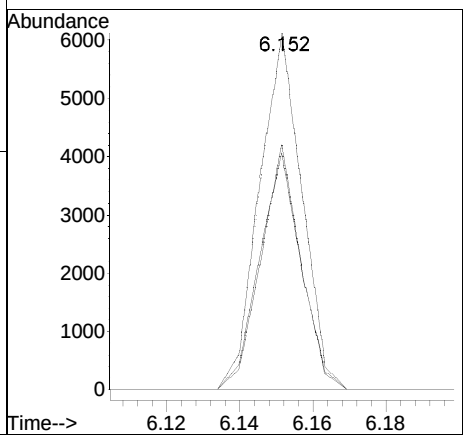


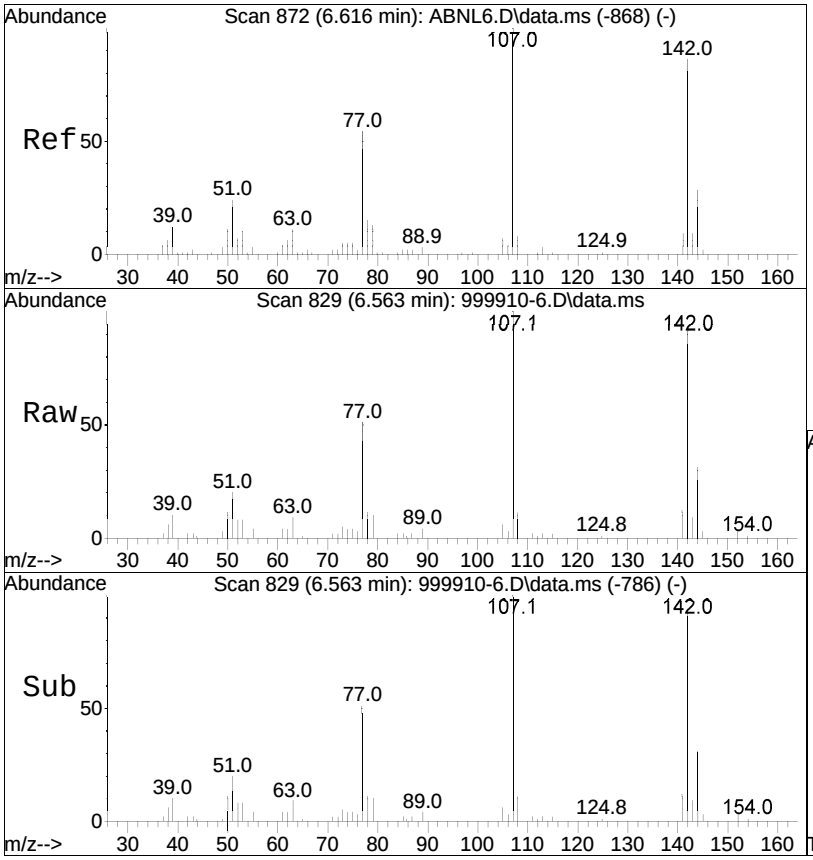


#39
Hexachlorobutadiene
Concen: 1.22 ug/ml
RT: 6.152 min Scan# 759
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:225 Resp: 4917

Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.5	75.7
227	65.1	50.4	75.6

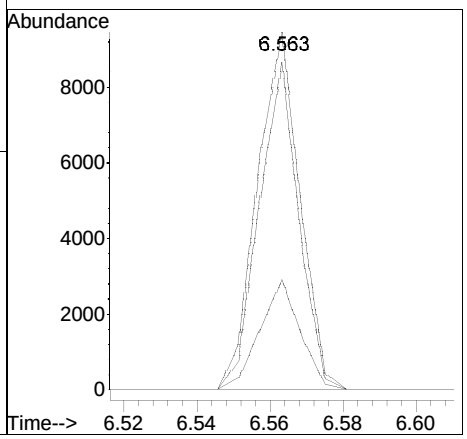


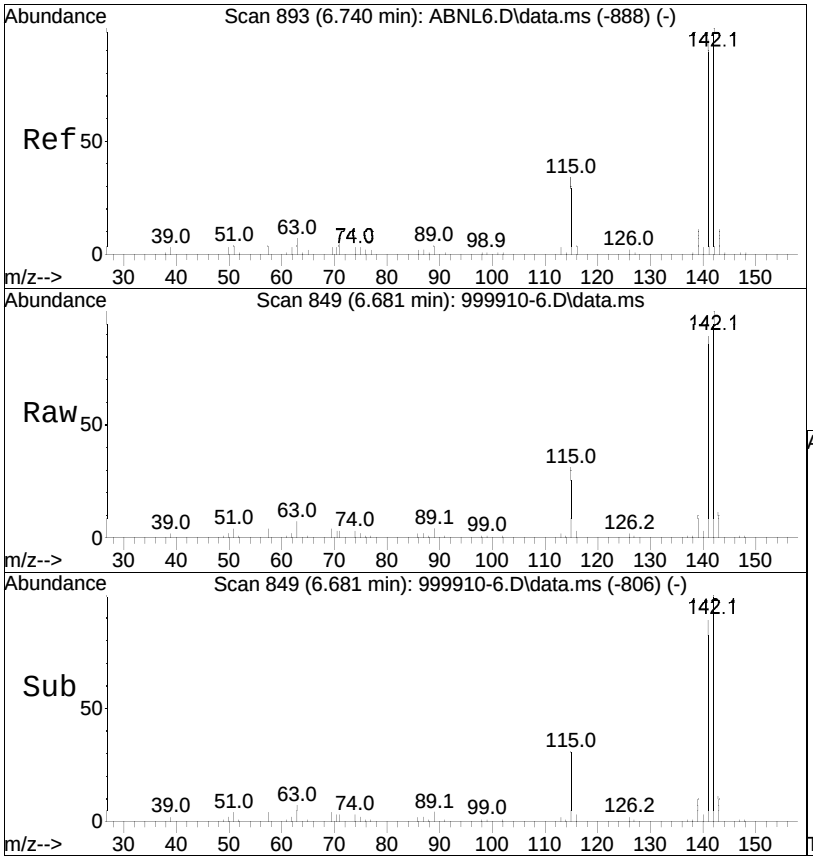


#40
p-Chloro-m-cresol
Concen: 1.67 ug/ml
RT: 6.563 min Scan# 829
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:107 Resp: 7575

Ion	Ratio	Lower	Upper
107	100		
144	29.2	20.3	30.5
142	84.8	63.8	95.6

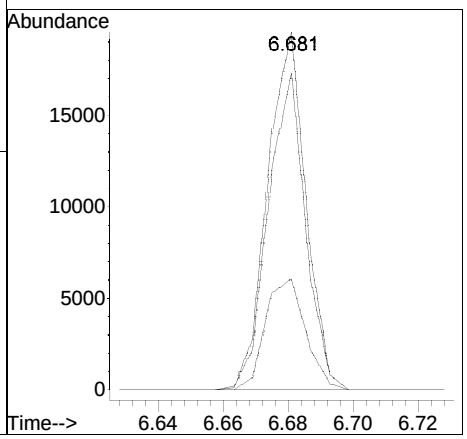


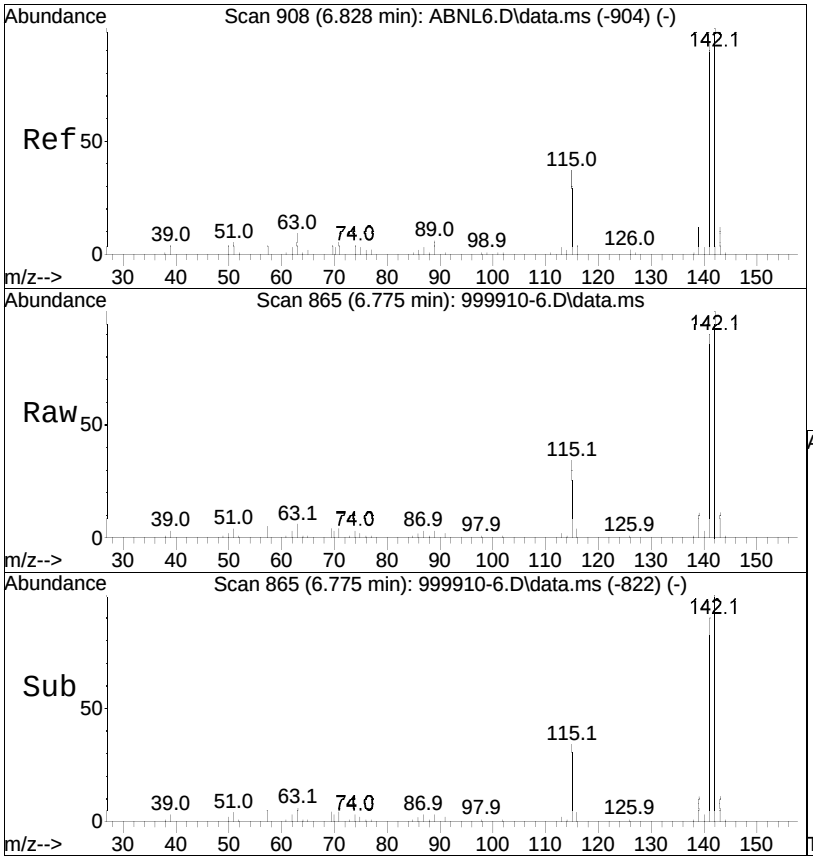


#41
2-Methylnaphthalene
Concen: 1.35 ug/ml
RT: 6.681 min Scan# 849
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:142 Resp: 15790

Ion	Ratio	Lower	Upper
142	100		
141	86.5	72.2	108.4
115	32.7	27.8	41.6

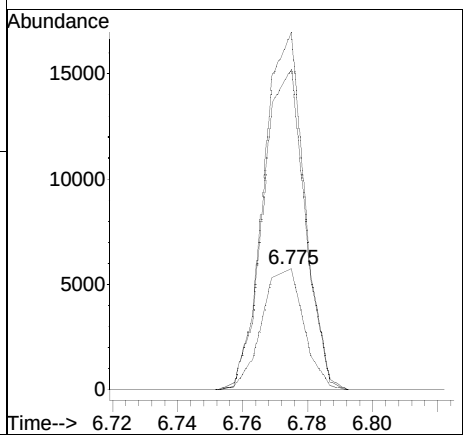


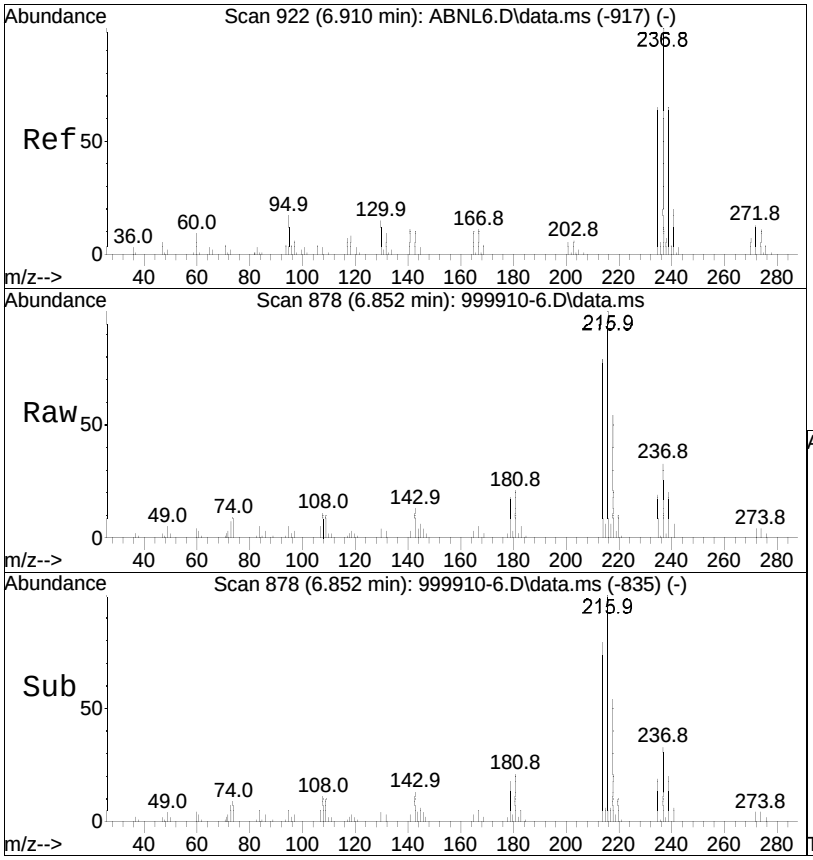


#42
1-Methylnaphthalene
Concen: 1.28 ug/ml
RT: 6.775 min Scan# 865
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:115 Resp: 5140

Ion	Ratio	Lower	Upper
115	100		
141	261.0	205.4	308.2
142	284.3	220.2	330.4

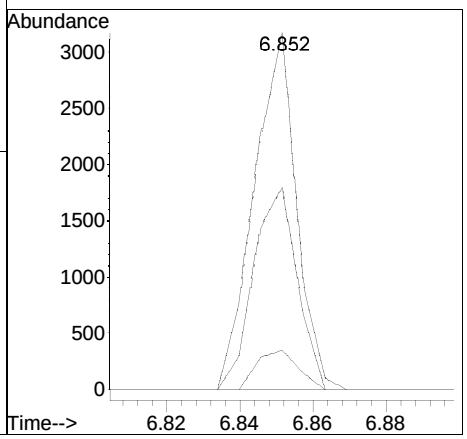


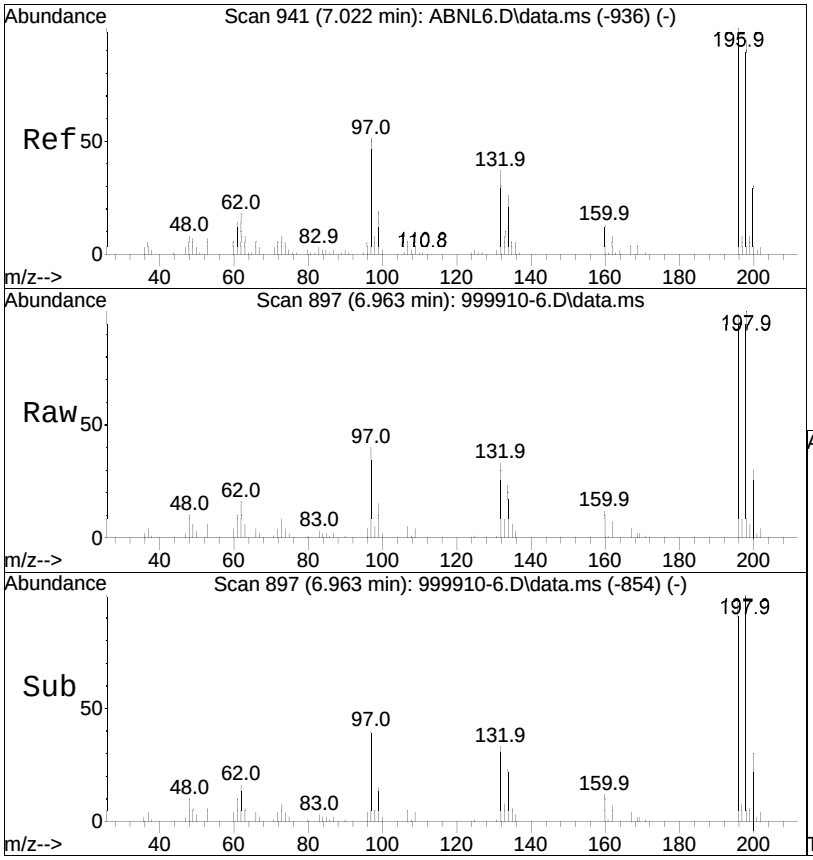


#43
Hexachlorocyclopentadiene
Concen: 0.62 ug/ml
RT: 6.852 min Scan# 878
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:237 Resp: 2540

Ion	Ratio	Lower	Upper
237	100		
235	58.5	50.9	76.3
272	0.0	10.1	15.1#

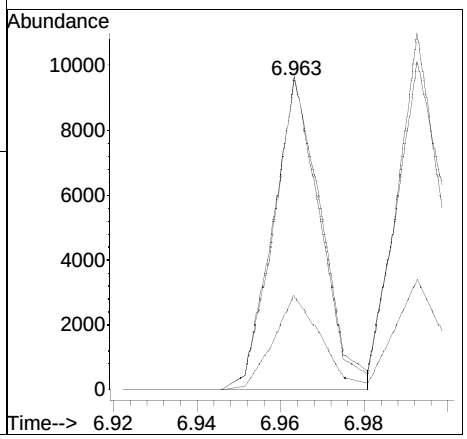


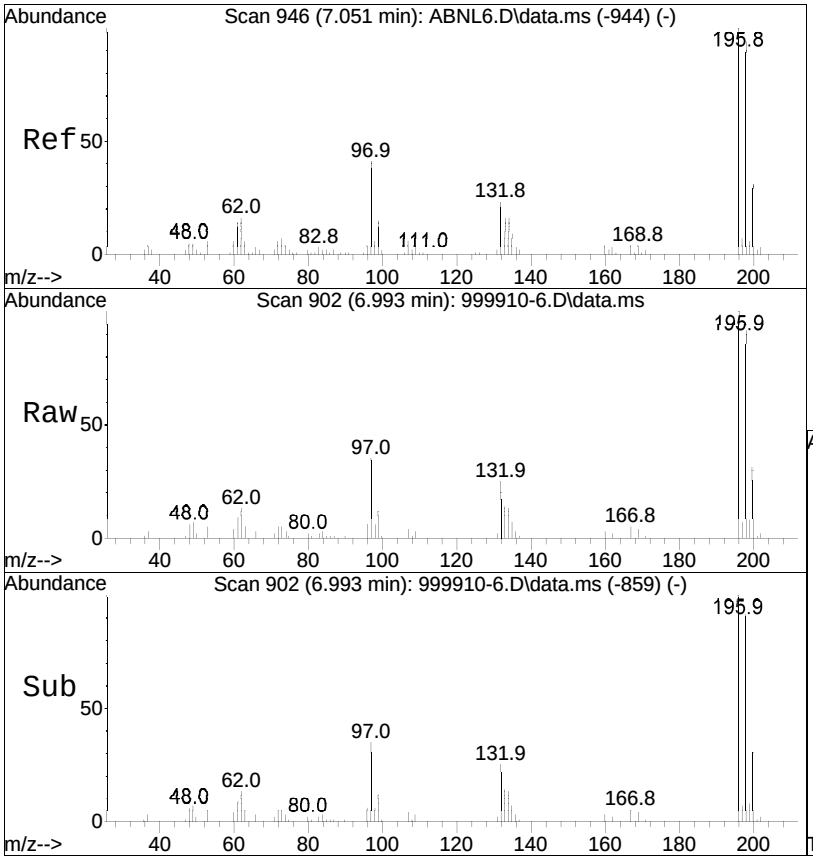


#44
2,4,6-Trichlorophenol
Concen: 1.85 ug/ml
RT: 6.963 min Scan# 897
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:196 Resp: 7768

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.4	114.6
200	30.2	24.4	36.6

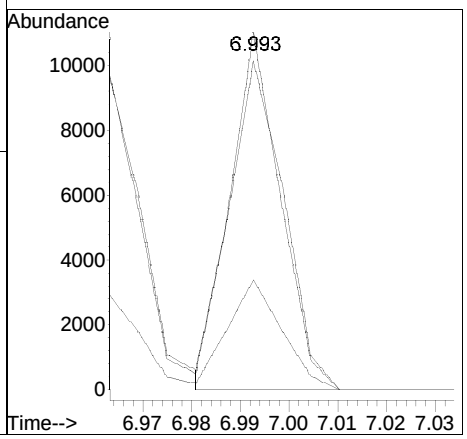


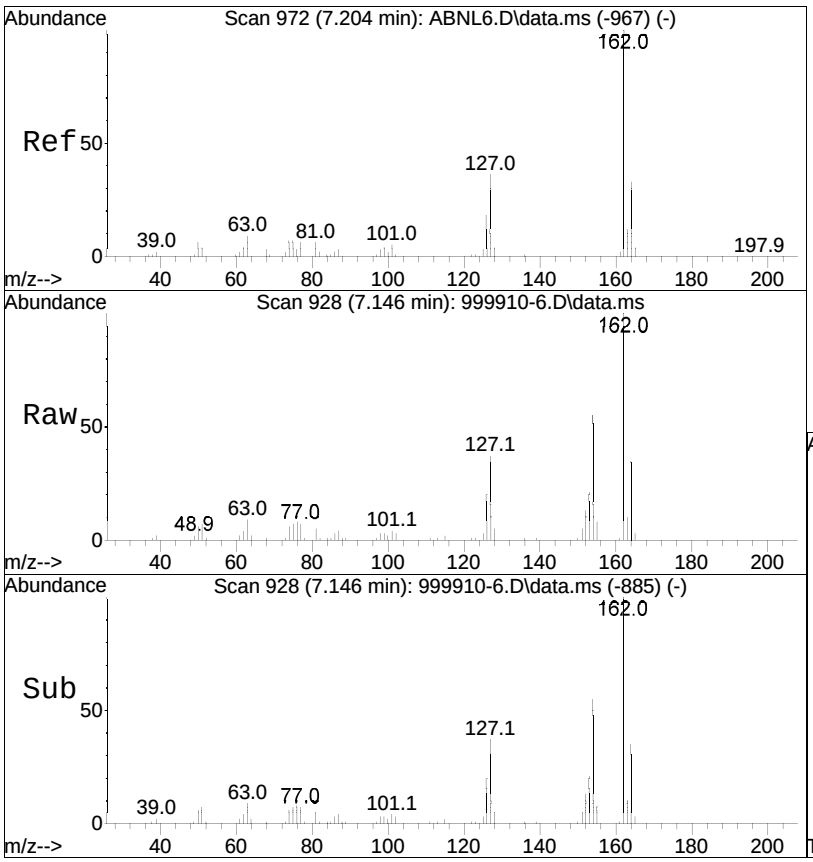


#45
2,4,5-Trichlorophenol
Concen: 1.84 ug/ml
RT: 6.993 min Scan# 902
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:196 Resp: 7907

Ion	Ratio	Lower	Upper
196	100		
200	32.9	24.2	36.4
198	99.6	76.2	114.2

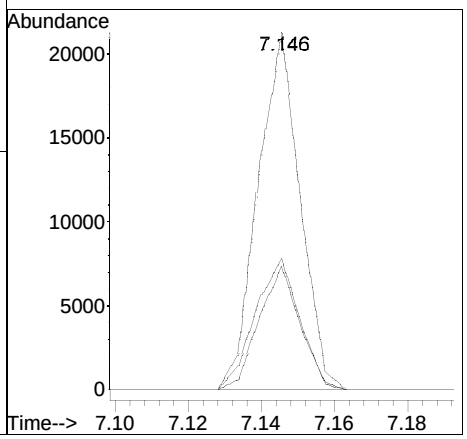


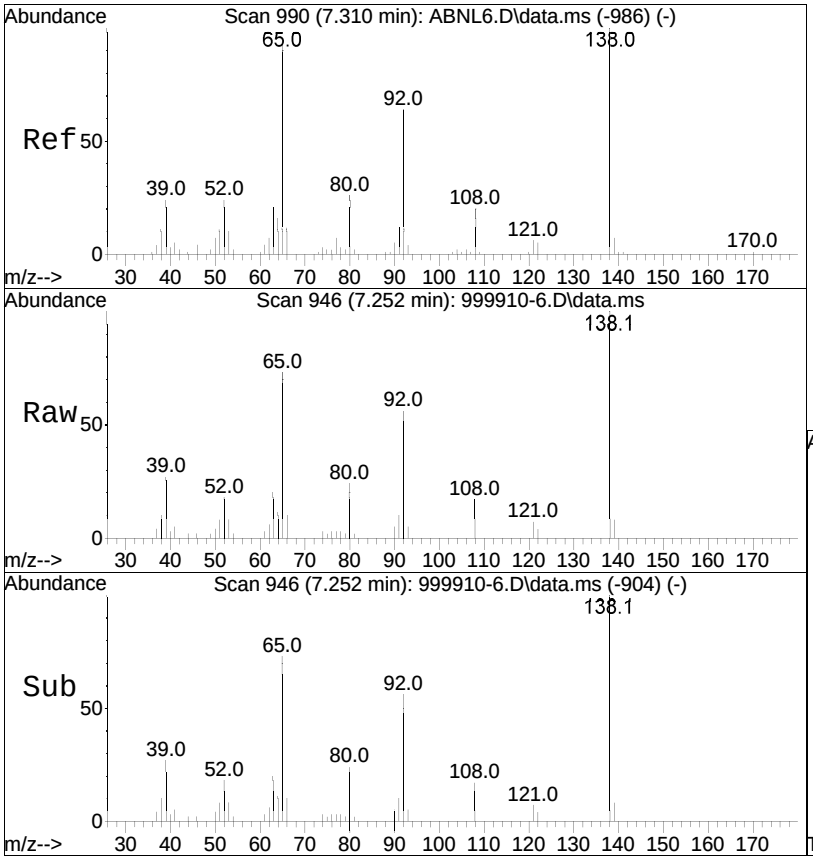


#47
2-Chloronaphthalene
Concen: 1.35 ug/ml
RT: 7.146 min Scan# 928
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:162 Resp: 16796

Ion	Ratio	Lower	Upper
162	100		
127	39.1	33.8	50.6
164	34.0	25.8	38.6

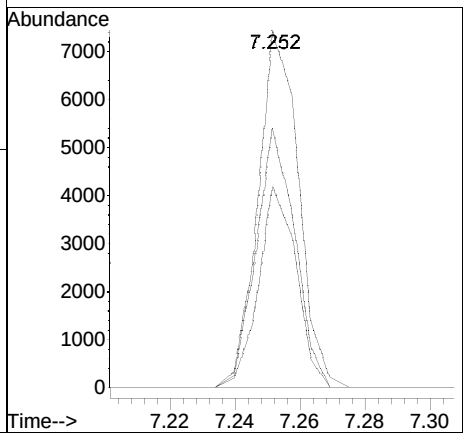


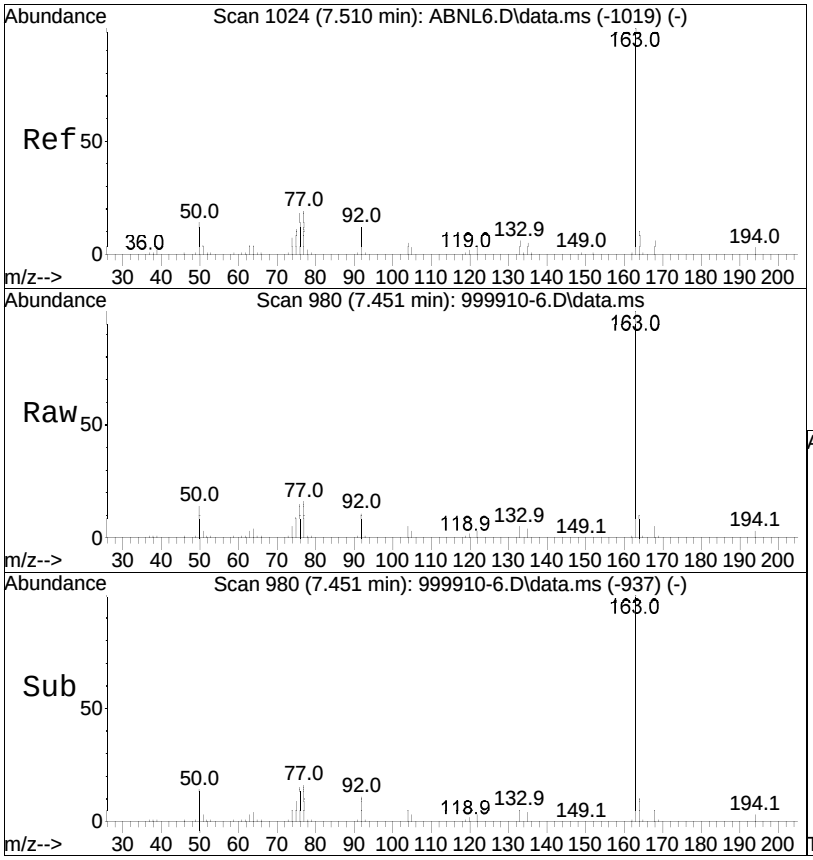


#48
2-Nitroaniline
Concen: 1.94 ug/ml
RT: 7.252 min Scan# 946
Delta R.T. -0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:138 Resp: 6383

Ion	Ratio	Lower	Upper
138	100		
92	52.7	52.1	78.1
65	69.7	75.9	113.9#

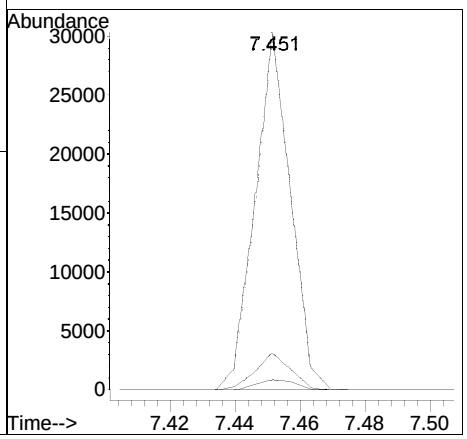


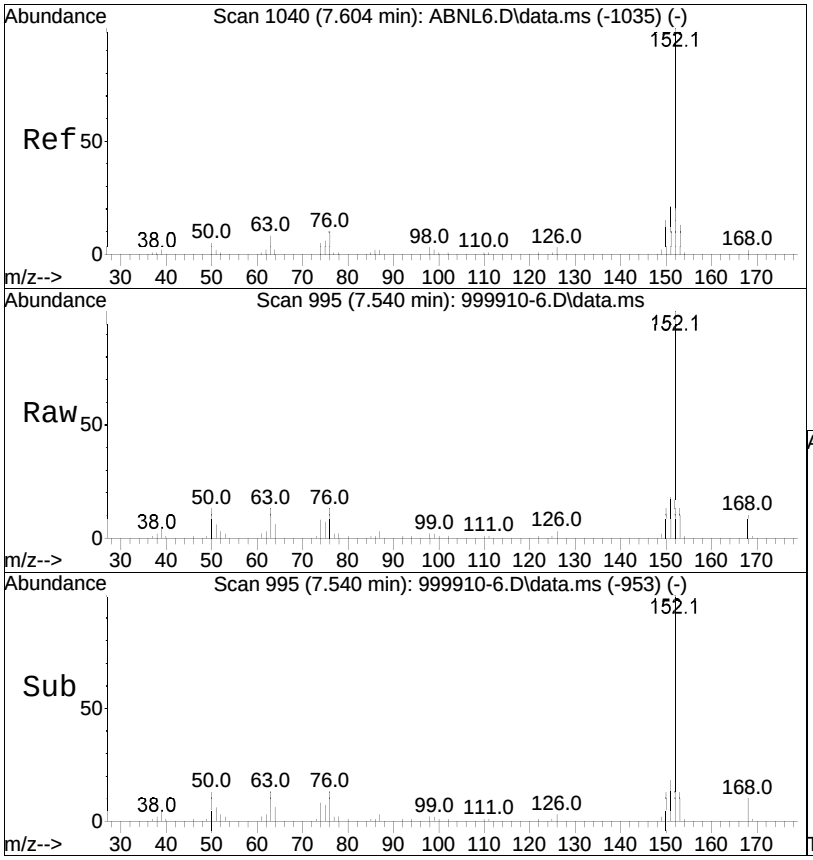


#51
Dimethyl phthalate
Concen: 1.50 ug/ml
RT: 7.451 min Scan# 980
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:163 Resp: 22644

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.3	3.5
164	10.6	8.2	12.2

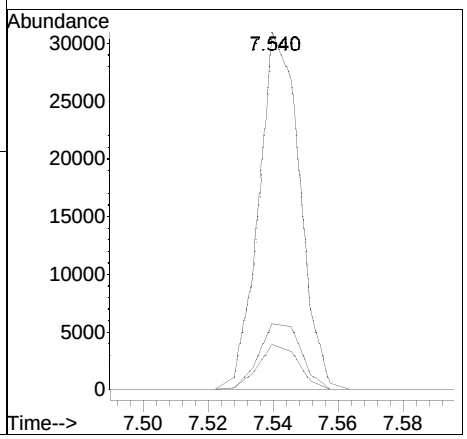


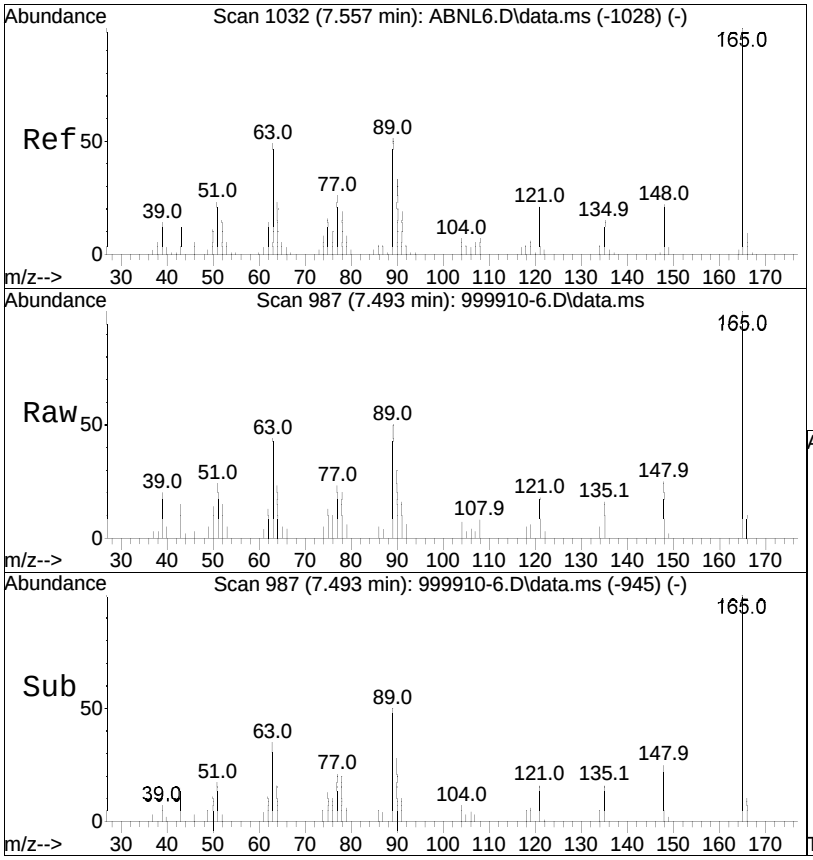


#52
Acenaphthylene
Concen: 1.46 ug/ml
RT: 7.540 min Scan# 995
Delta R.T. -0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:152 Resp: 26793

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.9	23.9
153	12.5	10.5	15.7

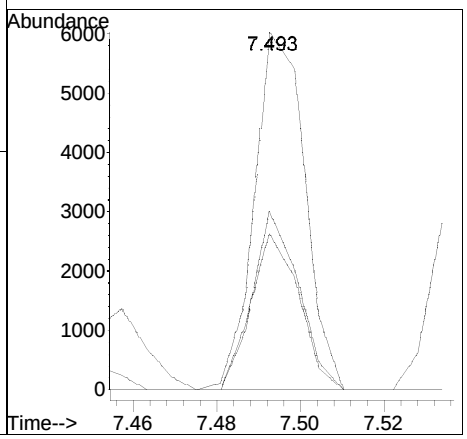


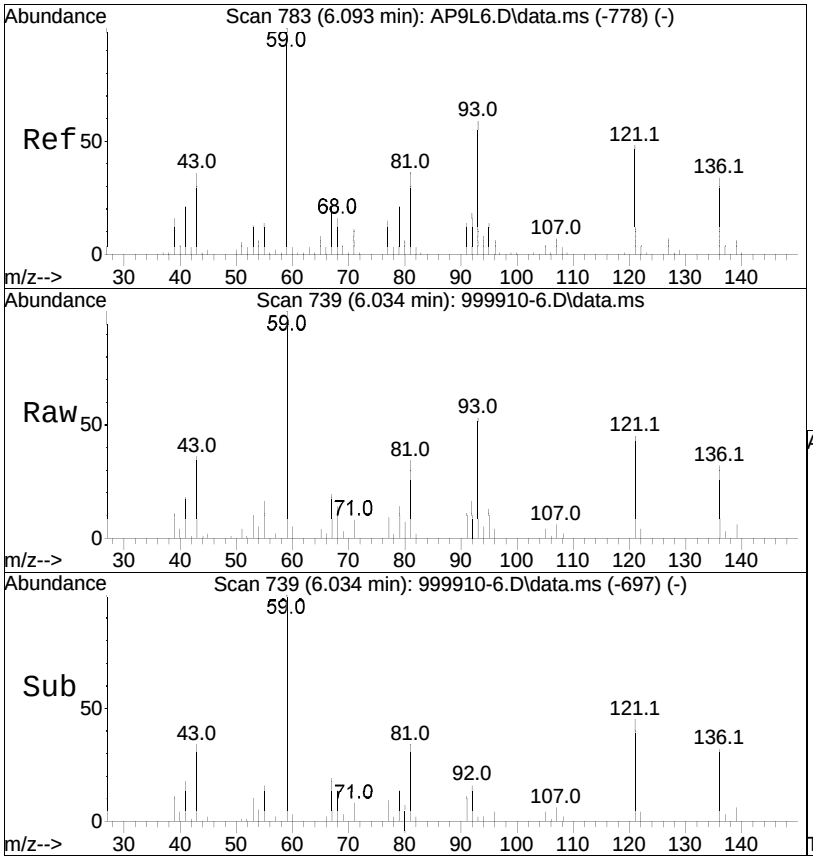


#53
2,6-Dinitrotoluene
Concen: 1.78 ug/ml
RT: 7.493 min Scan# 987
Delta R.T. -0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:165 Resp: 5026

Ion	Ratio	Lower	Upper
165	100		
89	45.7	48.8	73.2#
63	42.1	50.5	75.7#

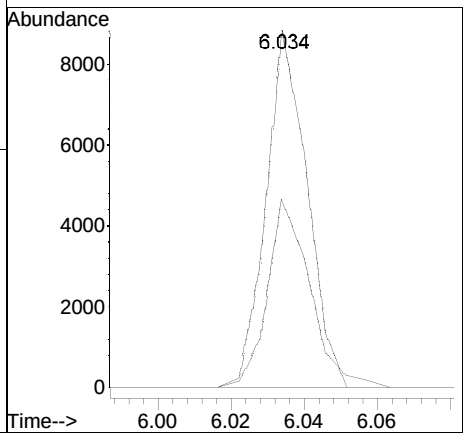


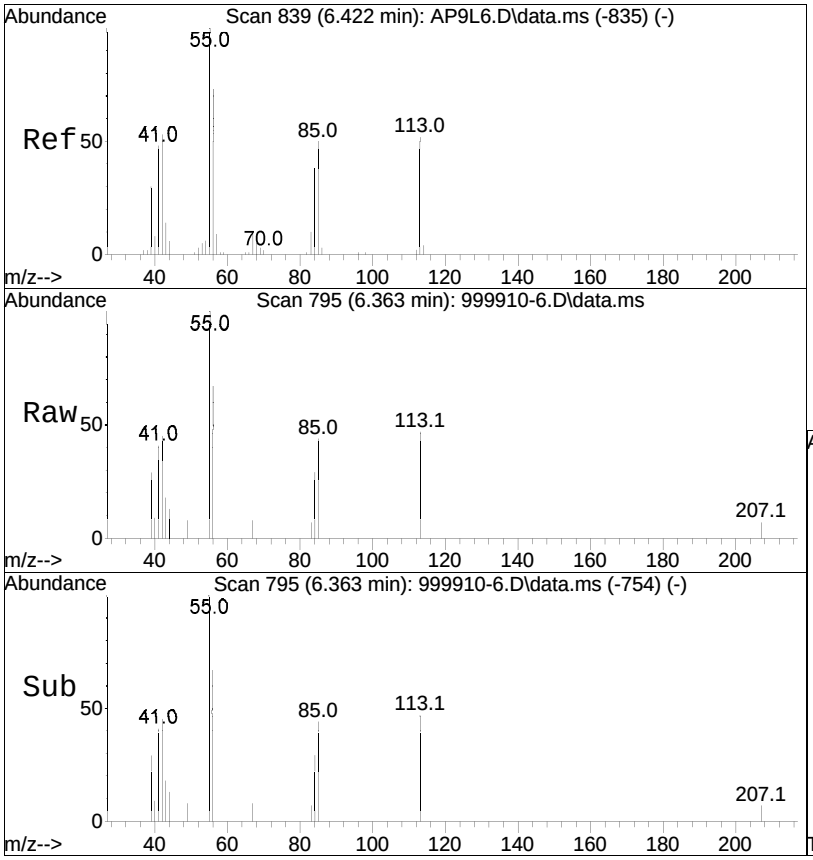


#56
a-Terpineol
Concen: 1.50 ug/ml
RT: 6.034 min Scan# 739
Delta R.T. -0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 59 Resp: 6815

Ion	Ratio	Lower	Upper
59	100		
93	55.0	43.5	65.3

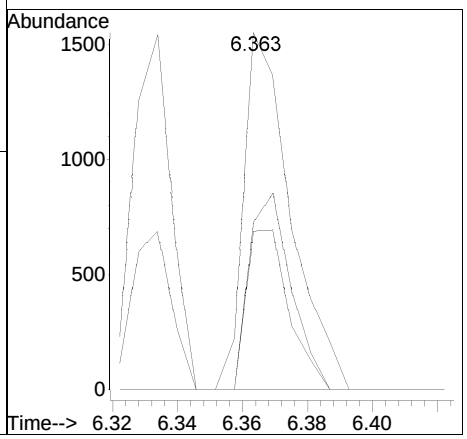


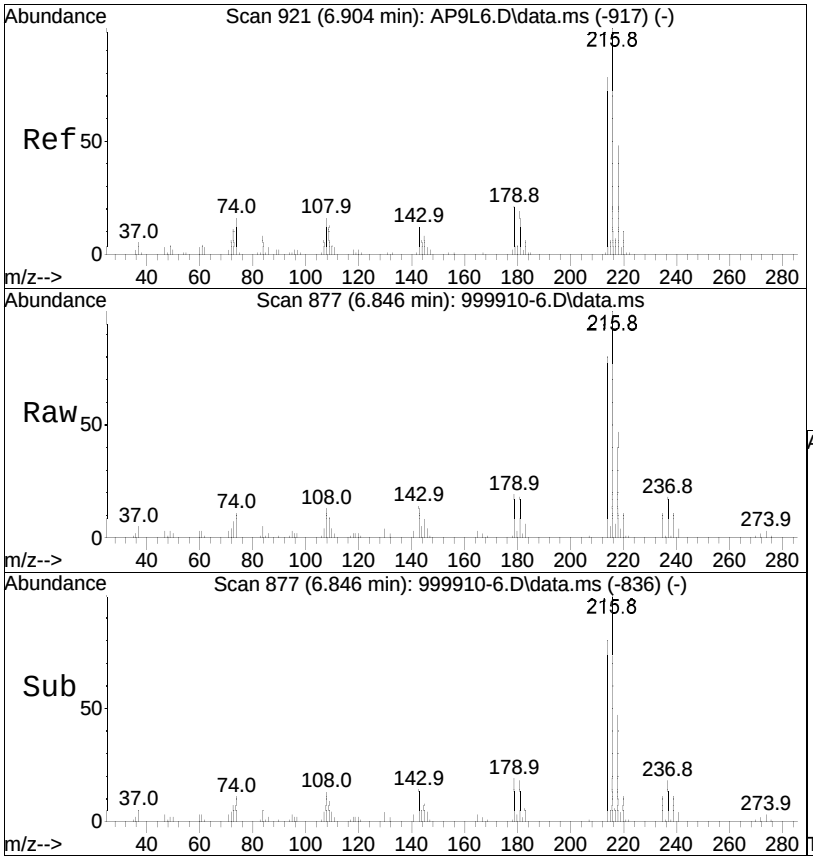


#60
Caprolactam
Concen: 0.99 ug/ml
RT: 6.363 min Scan# 795
Delta R.T. -0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 55 Resp: 1562

Ion	Ratio	Lower	Upper
55	100		
85	40.2	35.2	52.8
113	49.0	36.6	55.0

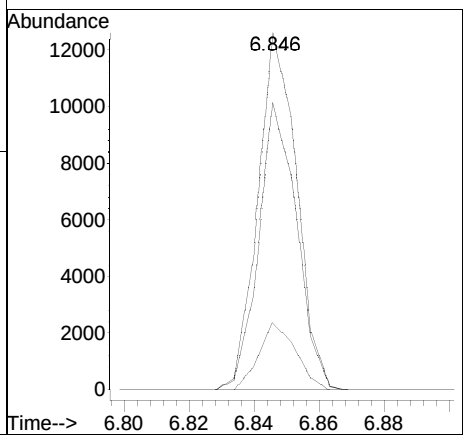


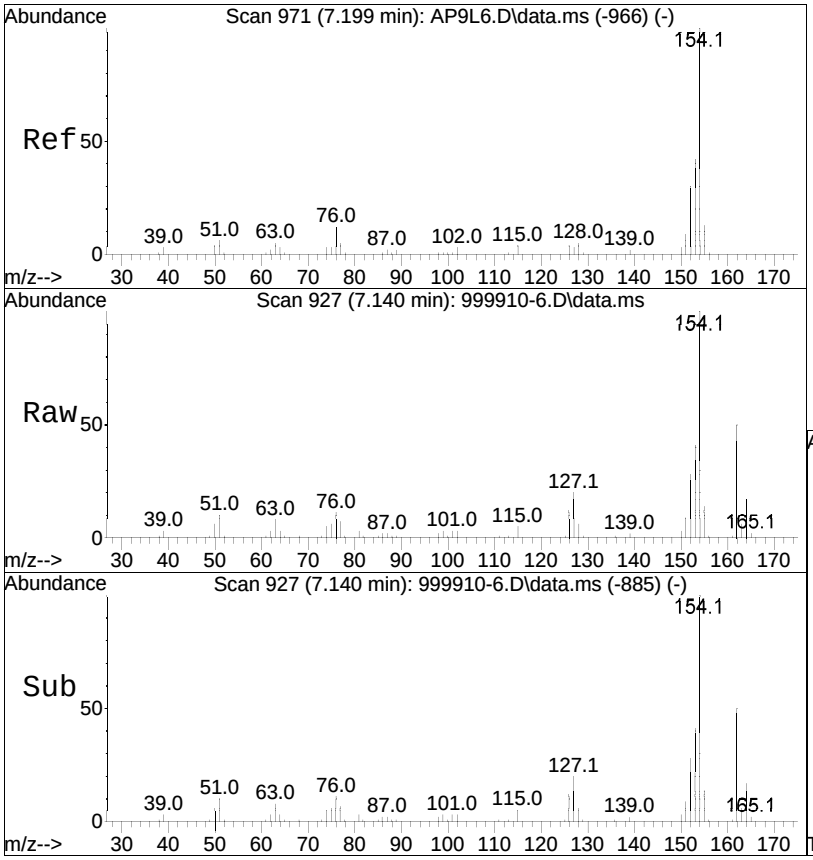


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.32 ug/ml
RT: 6.846 min Scan# 877
Delta R.T. -0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:216 Resp: 10405

Ion	Ratio	Lower	Upper
216	100		
214	78.9	64.0	96.0
179	17.9	18.7	28.1#

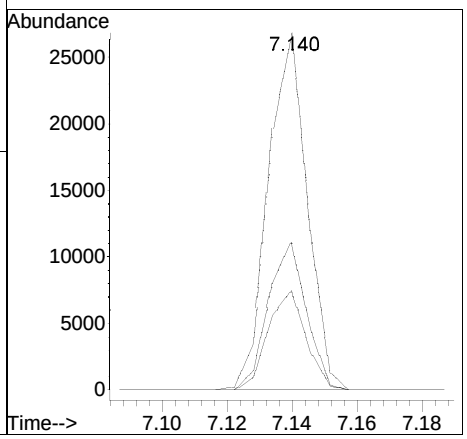


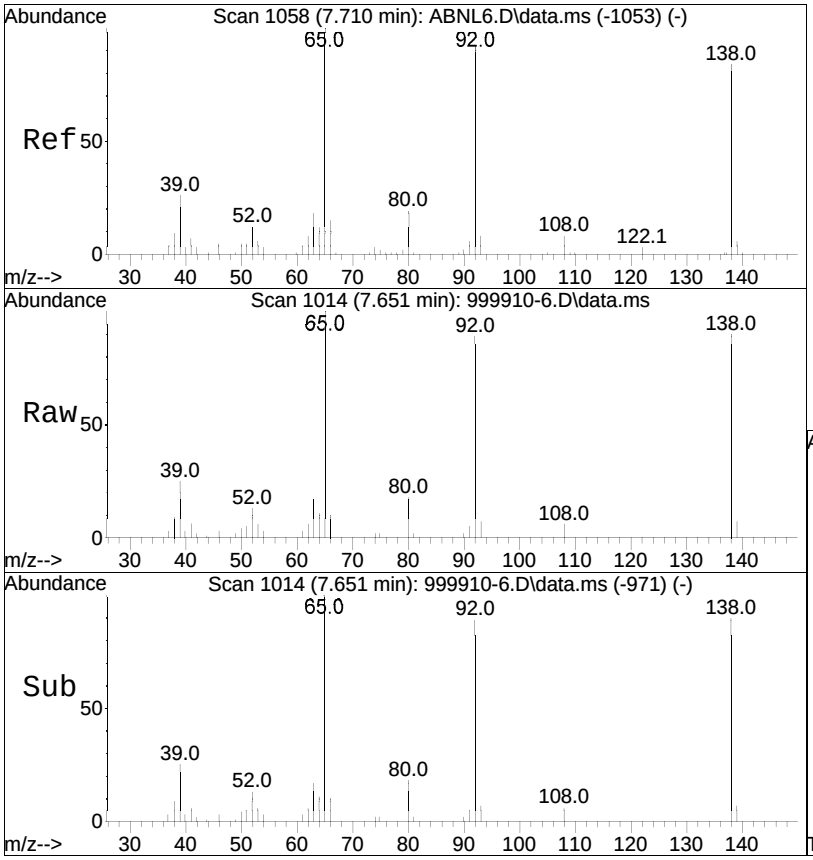


#62
Biphenyl
Concen: 1.32 ug/ml
RT: 7.140 min Scan# 927
Delta R.T. -0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:154 Resp: 22196

Ion	Ratio	Lower	Upper
154	100		
153	40.5	32.5	48.7
152	27.3	22.6	34.0

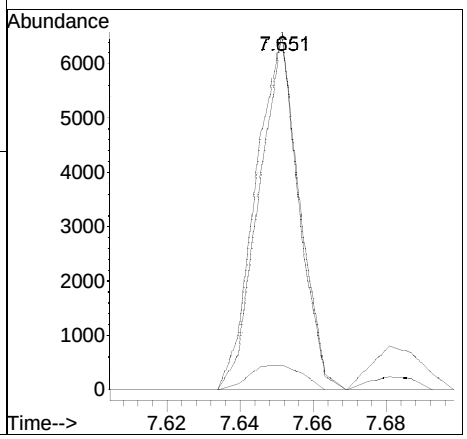


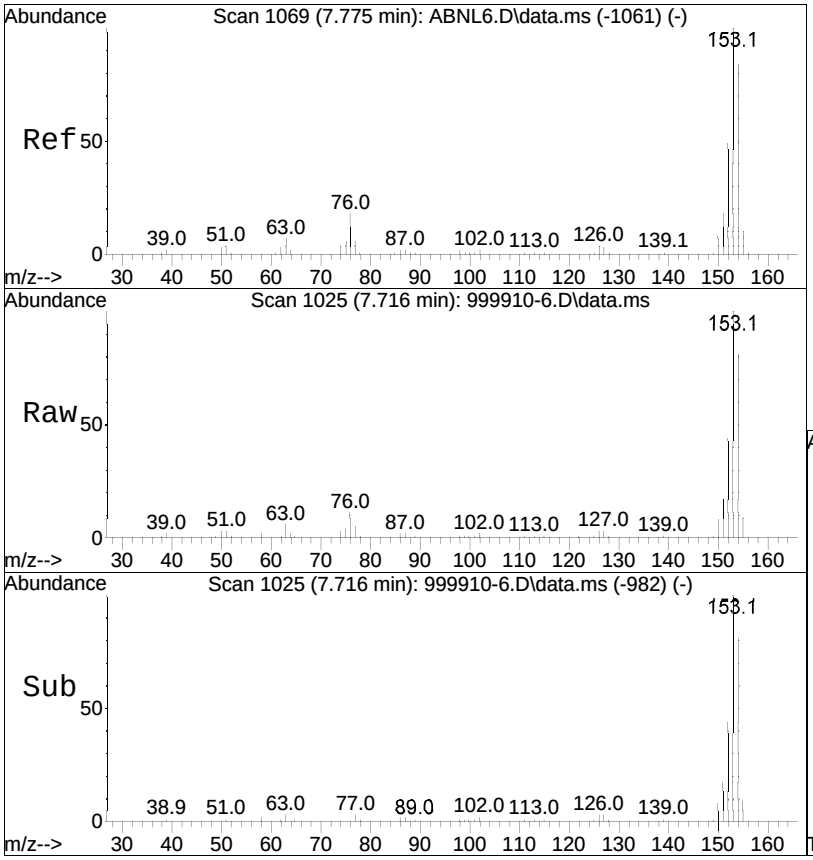


#64
3-Nitroaniline
Concen: 1.58 ug/ml
RT: 7.651 min Scan# 1014
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:138 Resp: 4983

Ion	Ratio	Lower	Upper
138	100		
92	105.3	92.8	139.2
108	15.5	7.9	11.9#

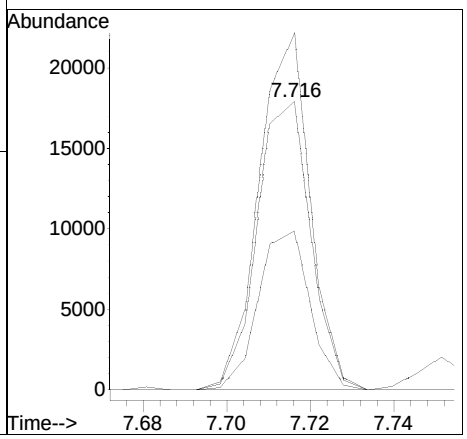


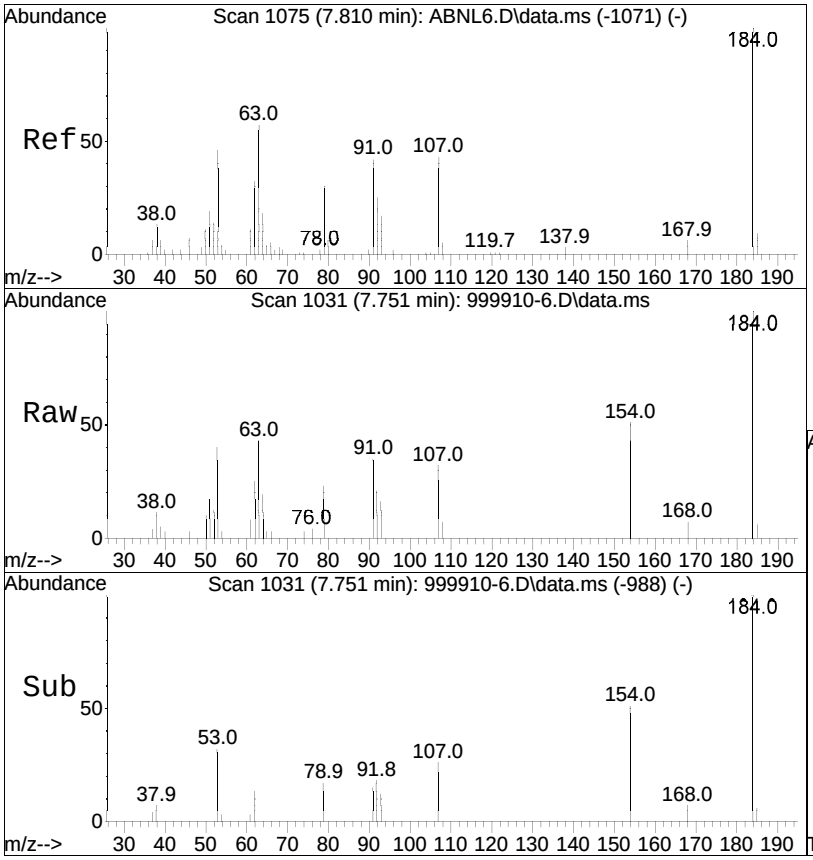


#65
Acenaphthene
Concen: 1.36 ug/ml
RT: 7.716 min Scan# 1025
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:154 Resp: 15915

Ion	Ratio	Lower	Upper
154	100		
153	118.2	93.0	139.4
152	53.5	43.3	64.9

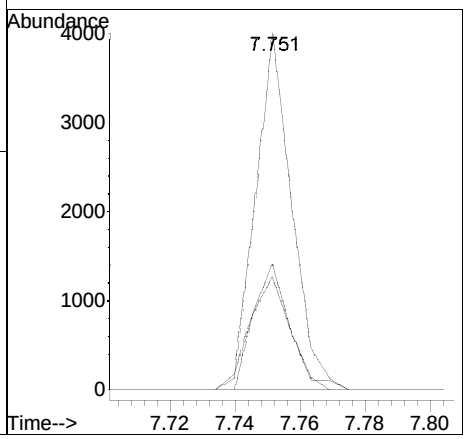


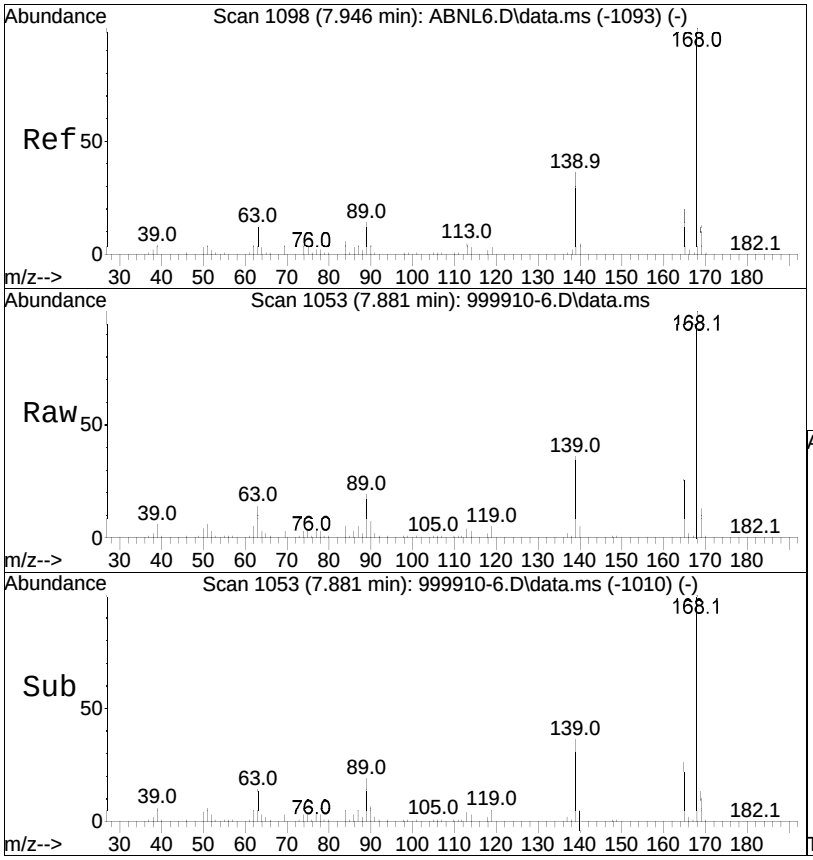


#66
2,4-Dinitrophenol
Concen: 2.06 ug/ml
RT: 7.751 min Scan# 1031
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:184 Resp: 3065

Ion	Ratio	Lower	Upper
184	100		
107	34.2	41.8	62.6#
91	37.2	44.2	66.2#

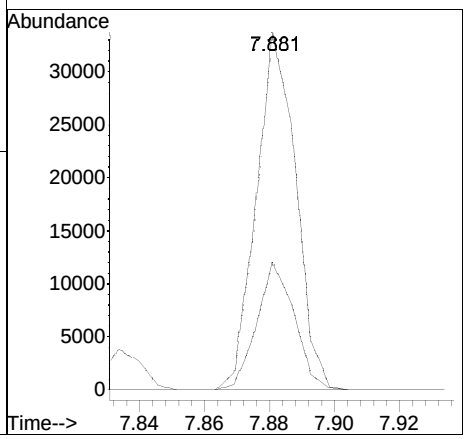


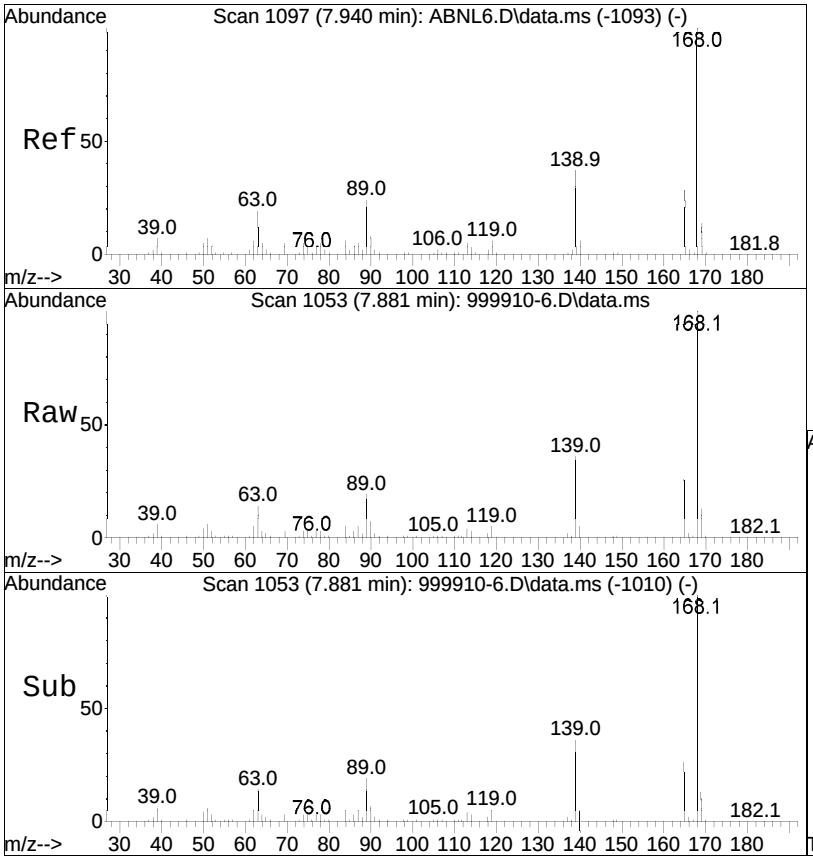


#67
Dibenzofuran
Concen: 1.45 ug/ml
RT: 7.881 min Scan# 1053
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:168 Resp: 28085

Ion	Ratio	Lower	Upper
168	100		
139	34.2	32.3	48.5

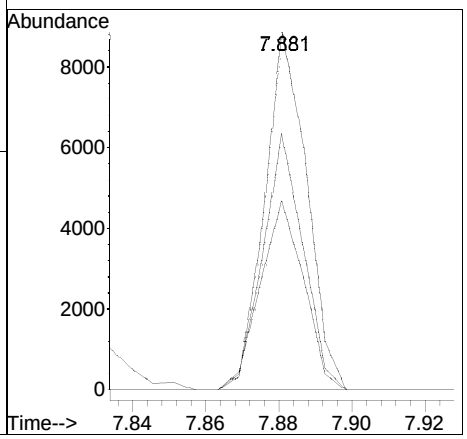


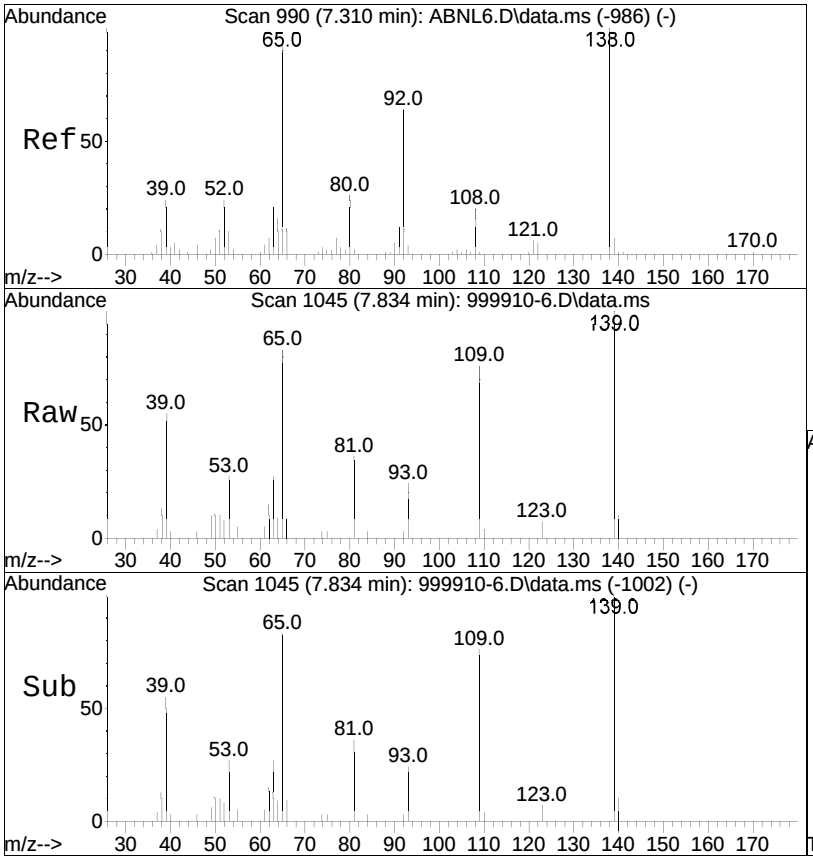


#68
2,4-Dinitrotoluene
Concen: 1.74 ug/ml
RT: 7.881 min Scan# 1053
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:165 Resp: 7037

Ion	Ratio	Lower	Upper
165	100		
89	68.7	73.0	109.4#
63	54.6	56.3	84.5#

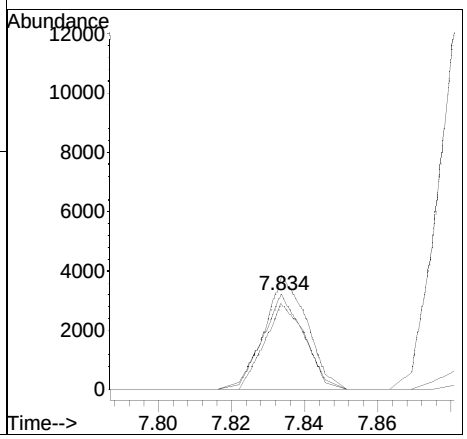


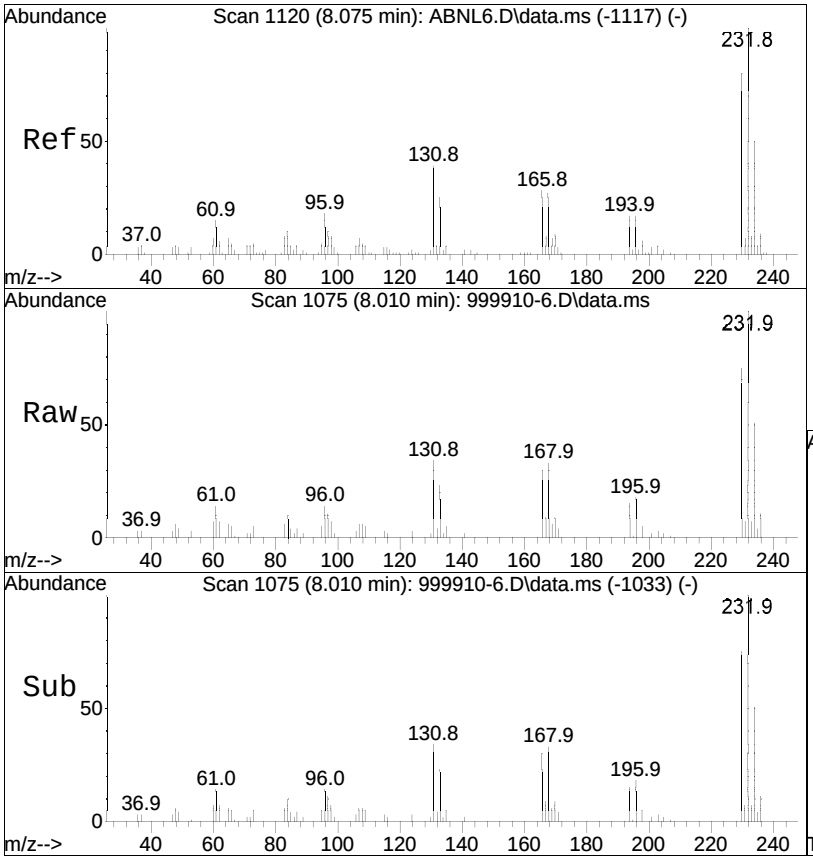


#69
4-Nitrophenol
Concen: 0.83 ug/ml
RT: 7.834 min Scan# 1045
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 65 Resp: 2541

Ion	Ratio	Lower	Upper
65	100		
109	88.8	60.2	90.2
139	121.4	81.1	121.7

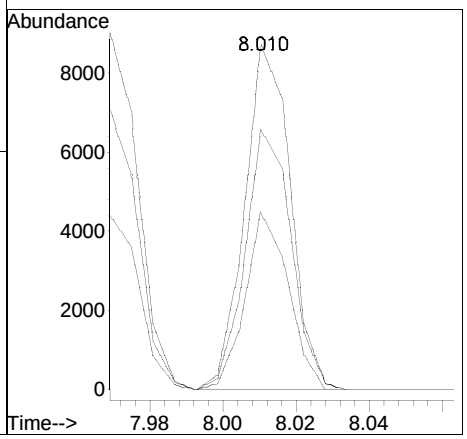


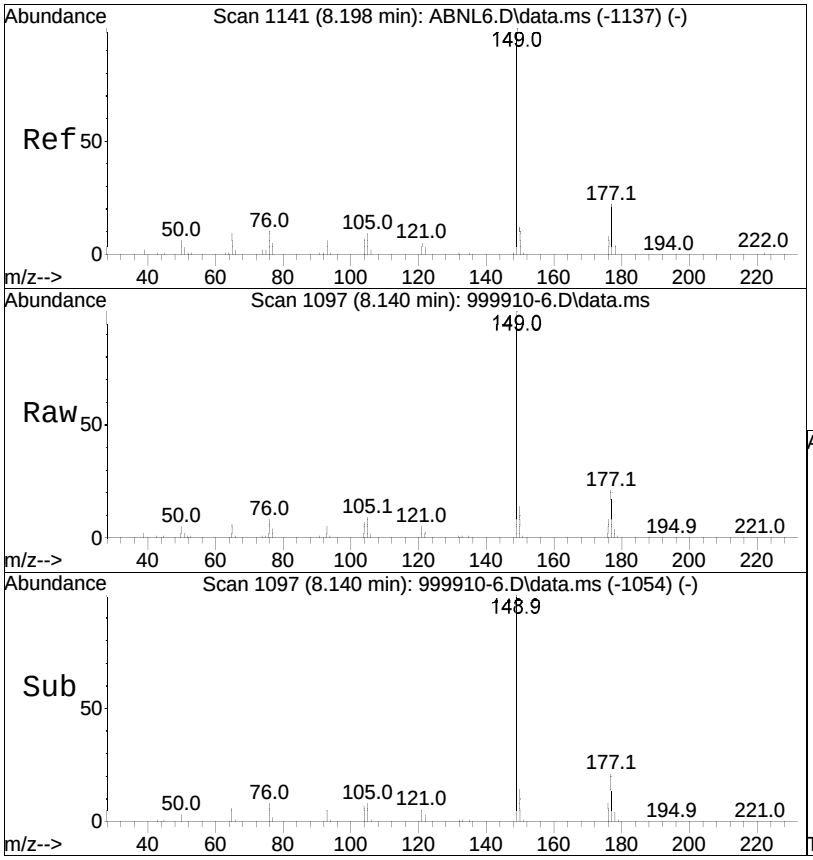


#71
2,3,4,6-Tetrachlorophenol
Concen: 1.95 ug/ml
RT: 8.010 min Scan# 1075
Delta R.T. -0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:232 Resp: 7577

Ion	Ratio	Lower	Upper
232	100		
230	76.1	63.8	95.8
234	48.6	39.0	58.6

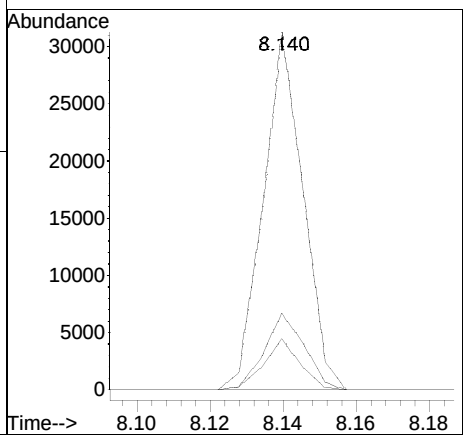


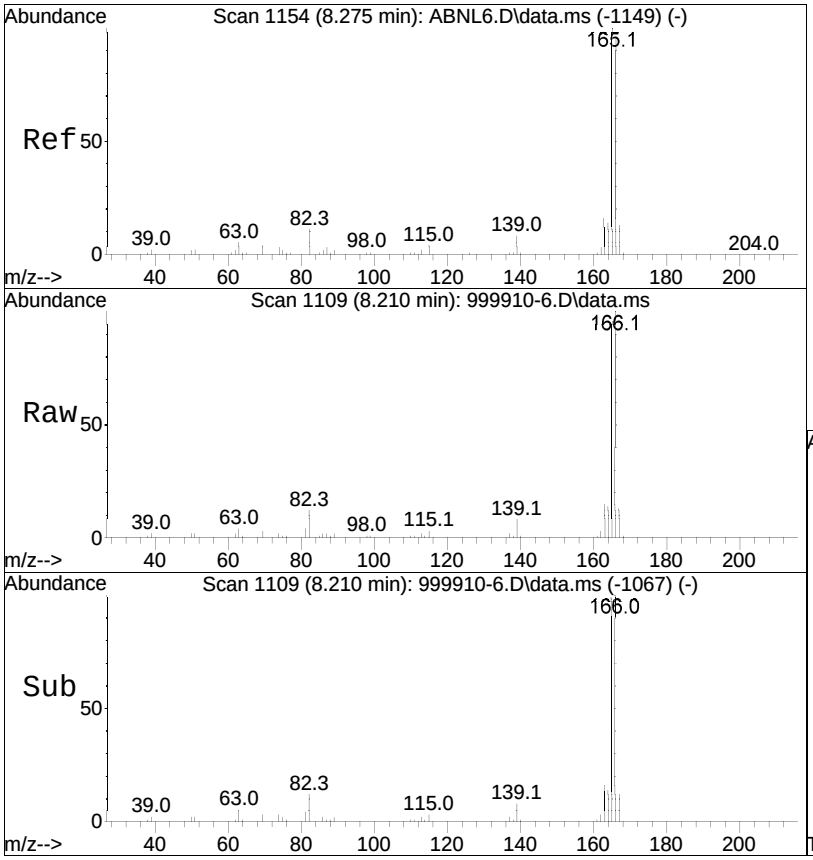


#72
Diethyl phthalate
Concen: 1.49 ug/ml
RT: 8.140 min Scan# 1097
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:149 Resp: 23349

Ion	Ratio	Lower	Upper
149	100		
177	21.7	15.0	22.6
150	13.2	9.8	14.6

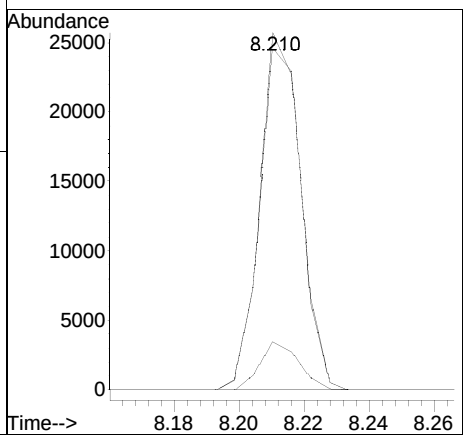


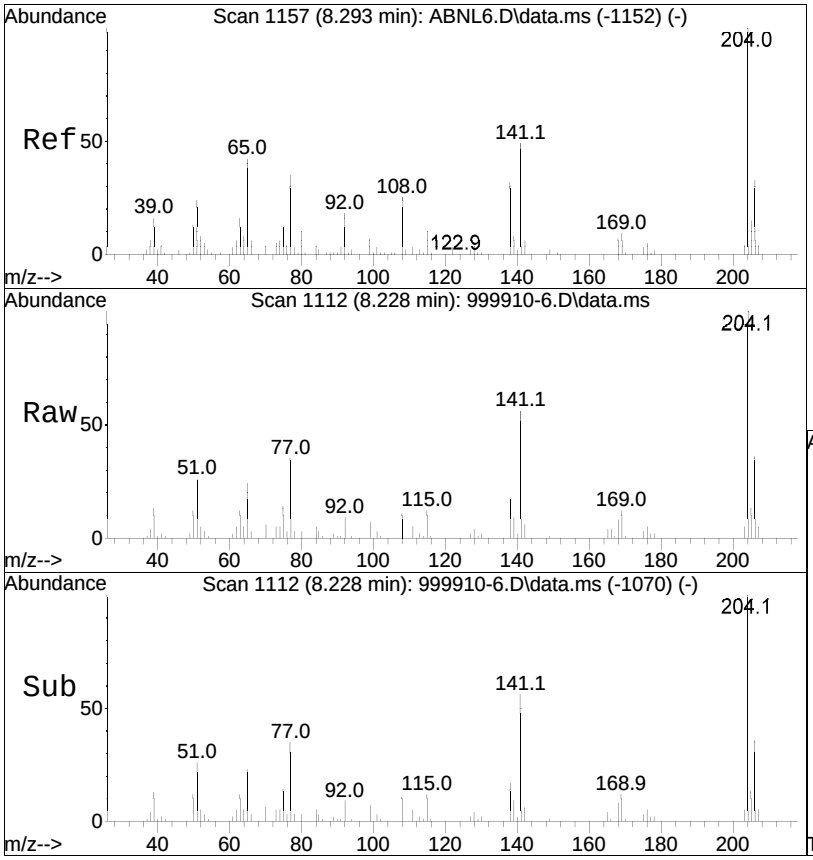


#73
Fluorene
Concen: 1.49 ug/ml
RT: 8.210 min Scan# 1109
Delta R.T. -0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:166 Resp: 22464

Ion	Ratio	Lower	Upper
166	100		
165	97.9	80.0	120.0
167	12.9	10.7	16.1

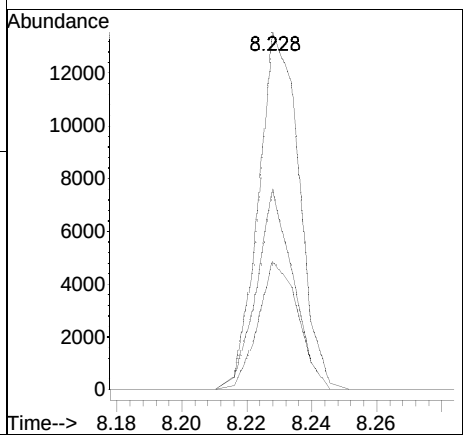


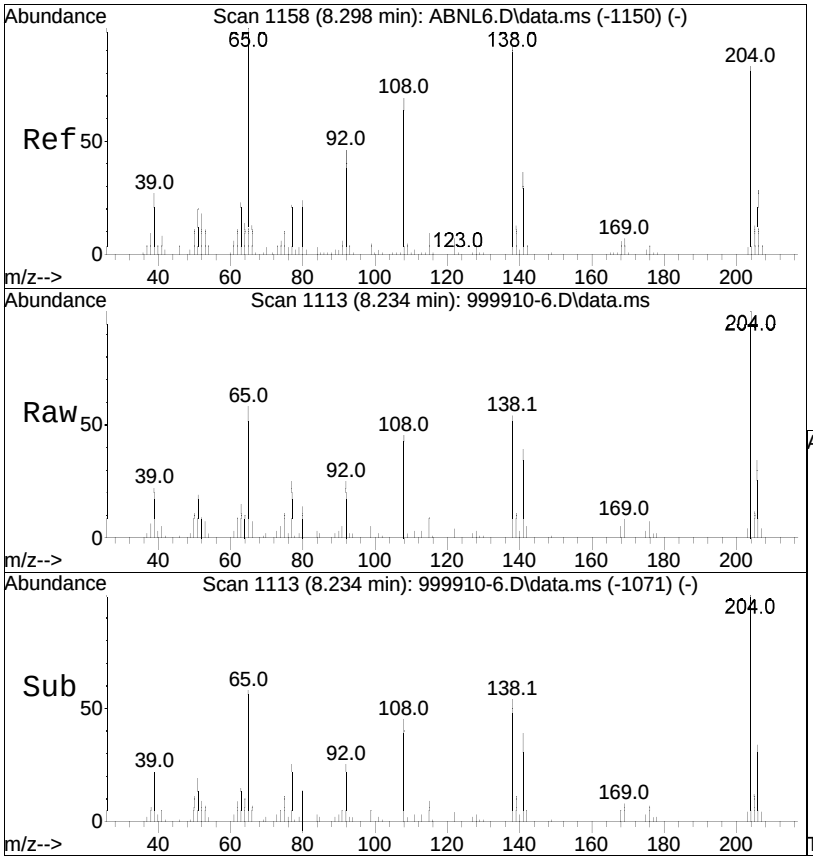


#74
4-Chlorophenyl phenyl ether
Concen: 1.43 ug/ml
RT: 8.228 min Scan# 1112
Delta R.T. -0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:204 Resp: 11698

Ion	Ratio	Lower	Upper
204	100		
206	35.5	26.3	39.5
141	50.4	58.4	87.6#

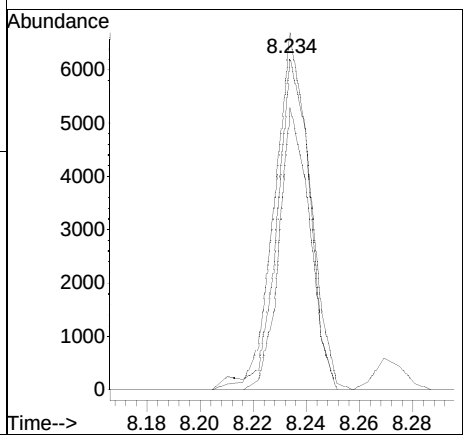


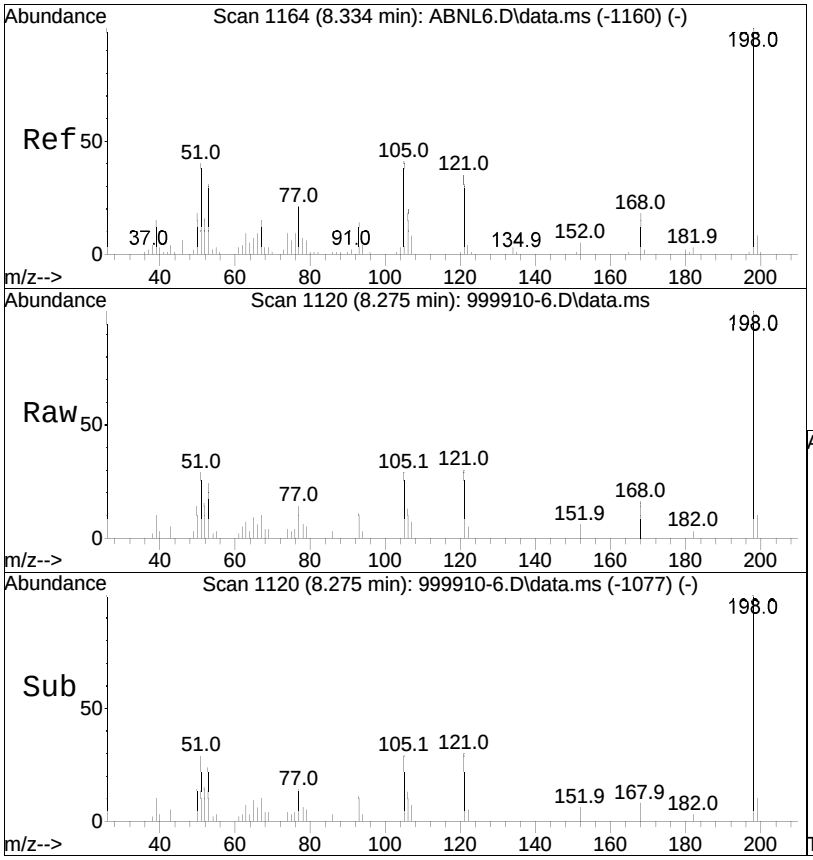


#75
4-Nitroaniline
Concen: 1.68 ug/ml
RT: 8.234 min Scan# 1113
Delta R.T. -0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:138 Resp: 5551

Ion	Ratio	Lower	Upper
138	100		
108	75.4	59.2	88.8
65	106.7	97.6	146.4

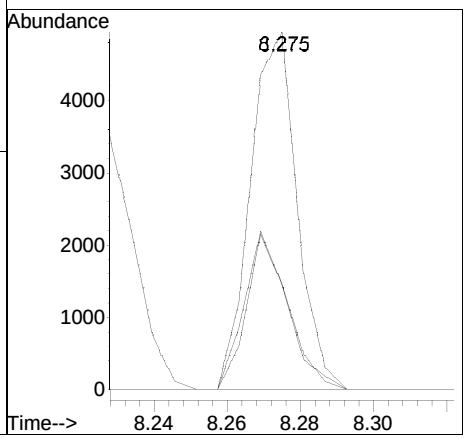


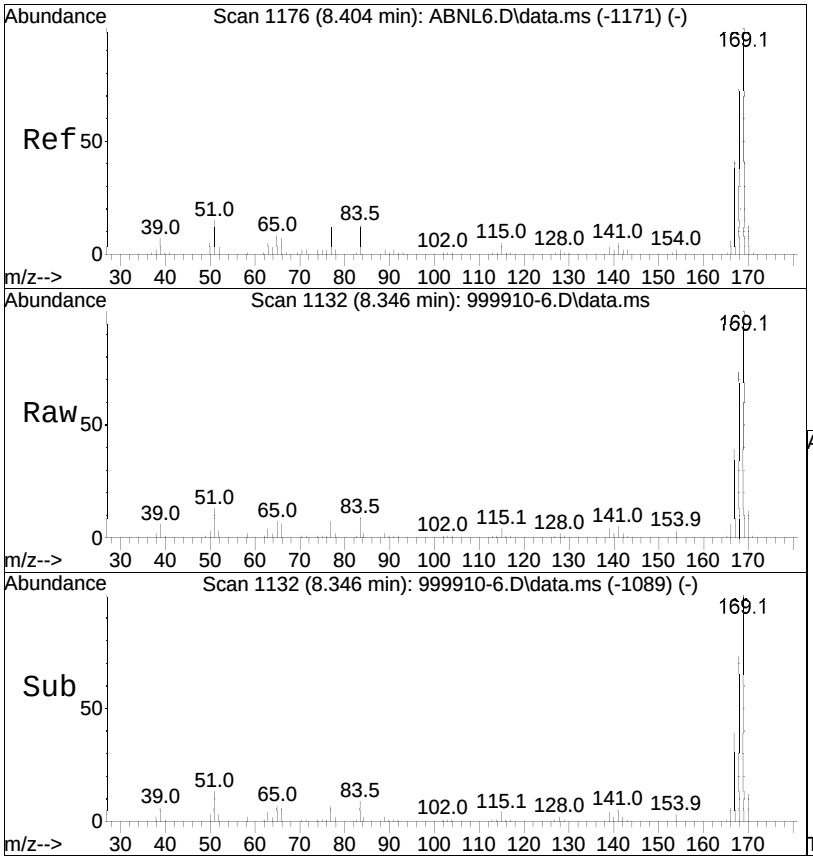


#76
4,6-Dinitro-o-cresol
Concen: 1.84 ug/ml
RT: 8.275 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:198 Resp: 4364

Ion	Ratio	Lower	Upper
198	100		
51	41.2	49.9	74.9#
105	38.7	45.8	68.6#

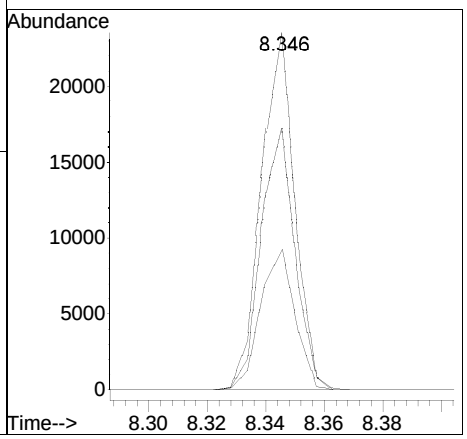


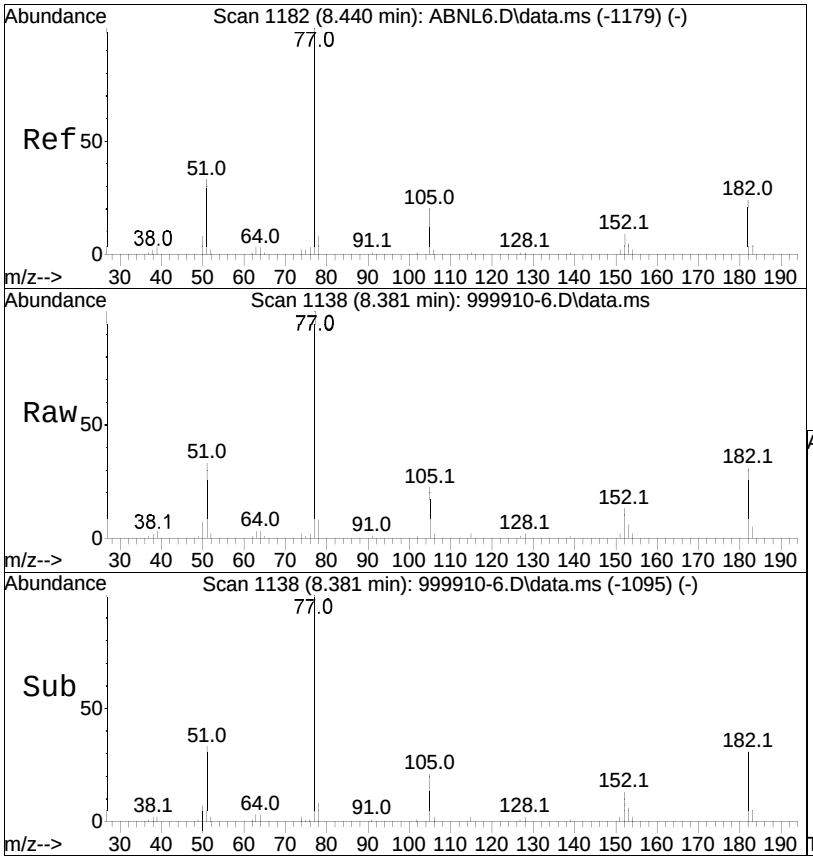


#77
NDPA/DPA
Concen: 1.44 ug/ml
RT: 8.346 min Scan# 1132
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:169 Resp: 18668

Ion	Ratio	Lower	Upper
169	100		
168	74.0	55.2	82.8
167	40.7	30.4	45.6

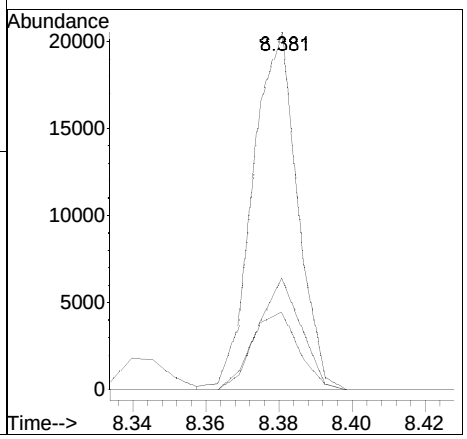


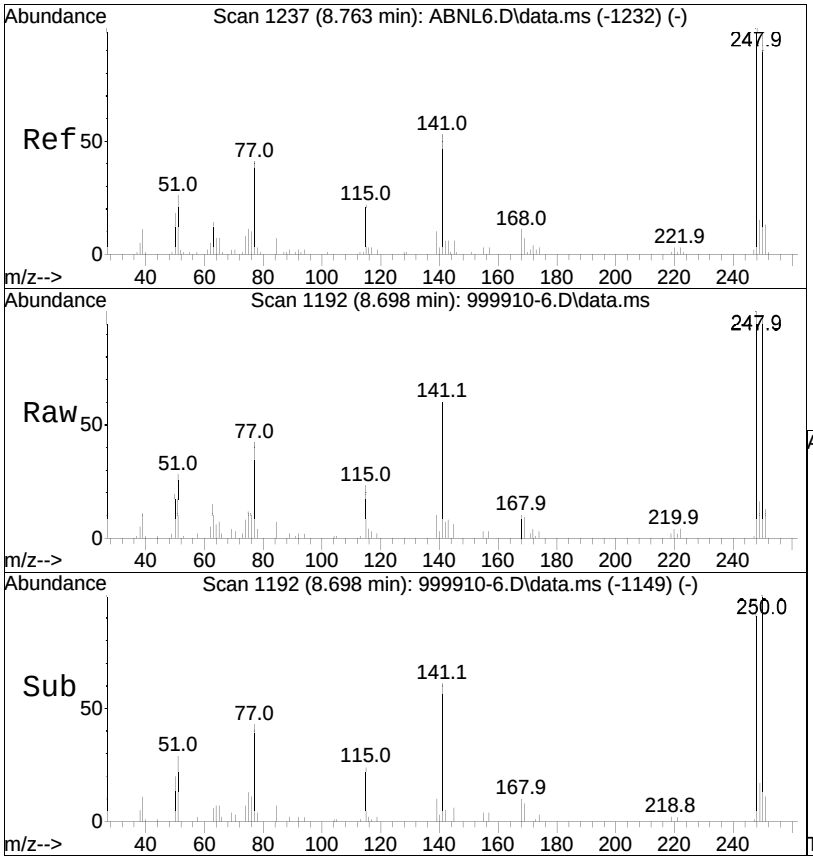


#78
Azobenzene
Concen: 1.26 ug/ml
RT: 8.381 min Scan# 1138
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion: 77 Resp: 17281

Ion	Ratio	Lower	Upper
77	100		
182	30.0	16.2	24.2#
105	23.3	17.9	26.9

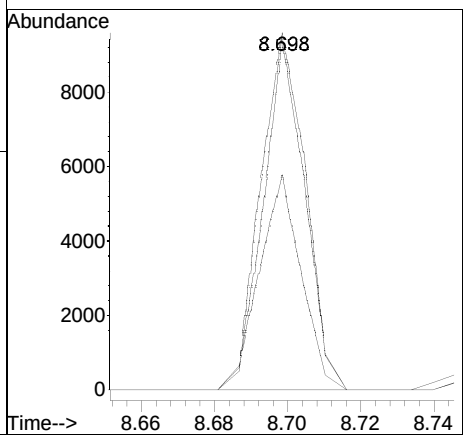


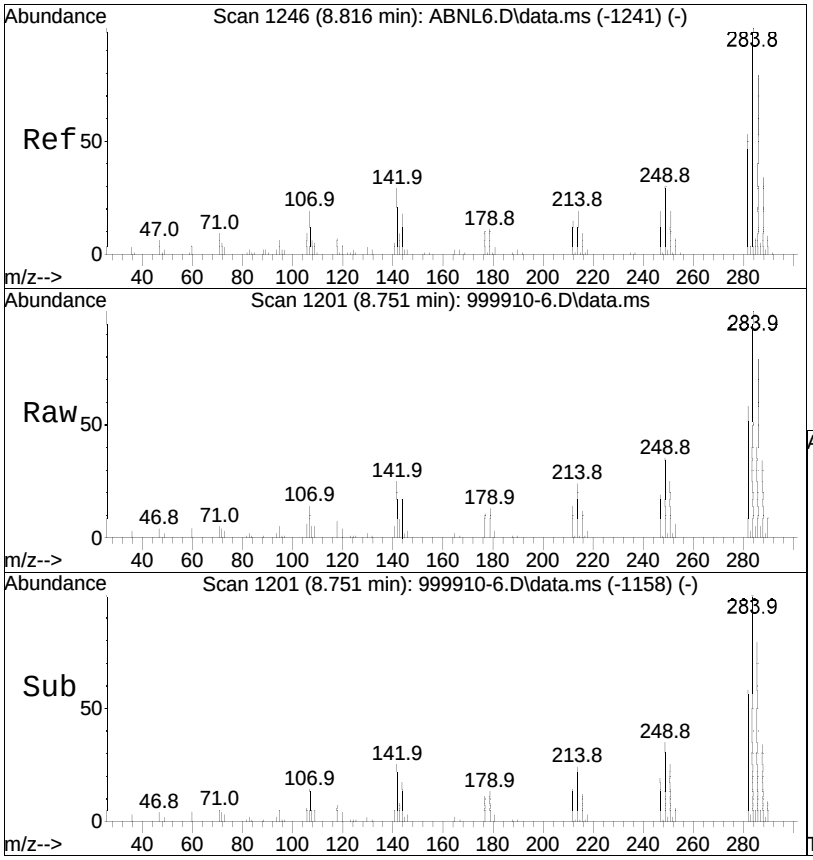


#80
4-Bromophenyl phenyl ether
Concen: 1.53 ug/ml
RT: 8.698 min Scan# 1192
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:248 Resp: 8064

Ion	Ratio	Lower	Upper
248	100		
141	56.6	74.6	111.8#
250	91.2	76.9	115.3

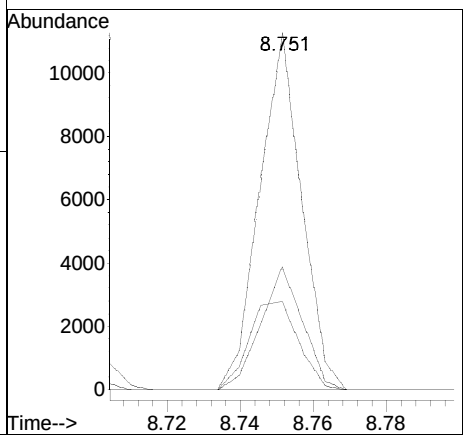


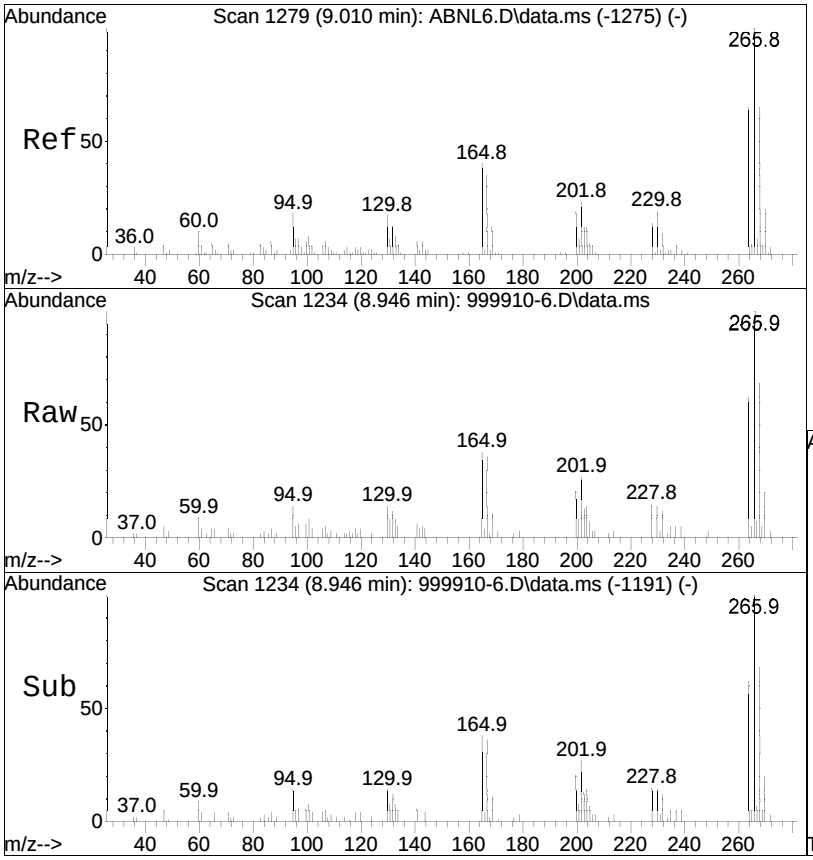


#81
Hexachlorobenzene
Concen: 1.35 ug/ml
RT: 8.751 min Scan# 1201
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:284 Resp: 8933

Ion	Ratio	Lower	Upper
284	100		
142	29.4	37.6	56.4#
249	34.5	25.4	38.2

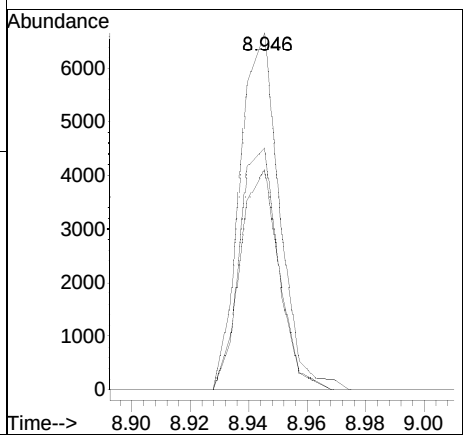


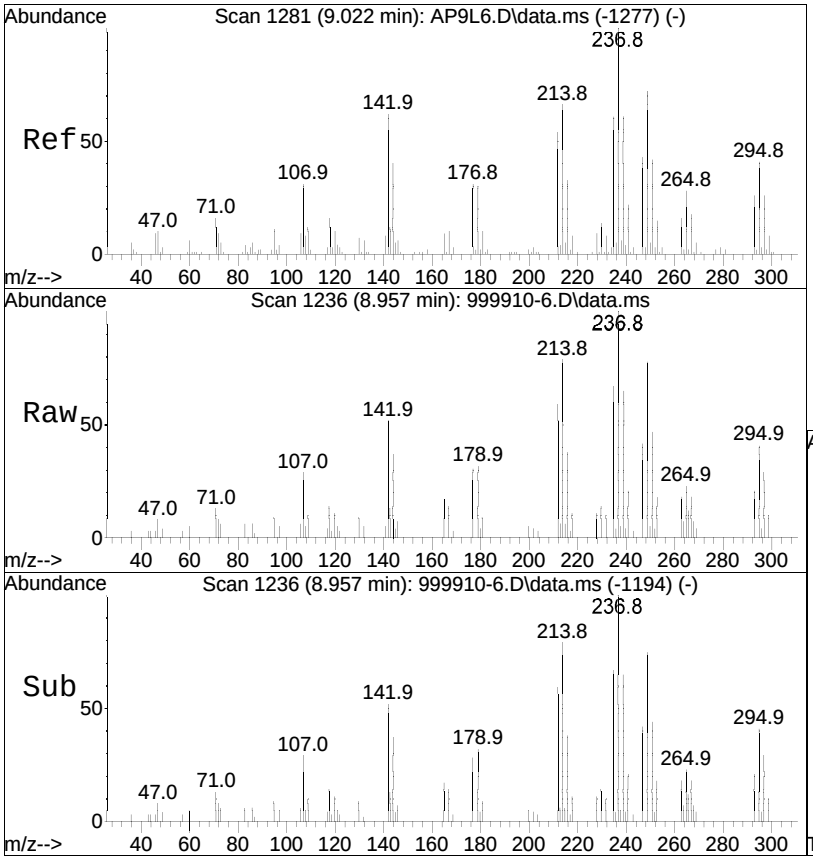


#82
Pentachlorophenol
Concen: 1.85 ug/ml
RT: 8.946 min Scan# 1234
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:266 Resp: 6278

Ion	Ratio	Lower	Upper
266	100		
264	61.5	50.7	76.1
268	65.9	52.5	78.7

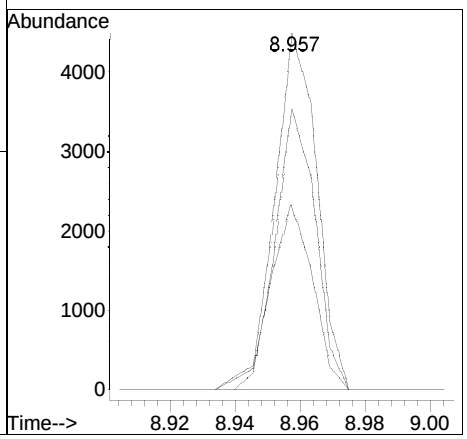


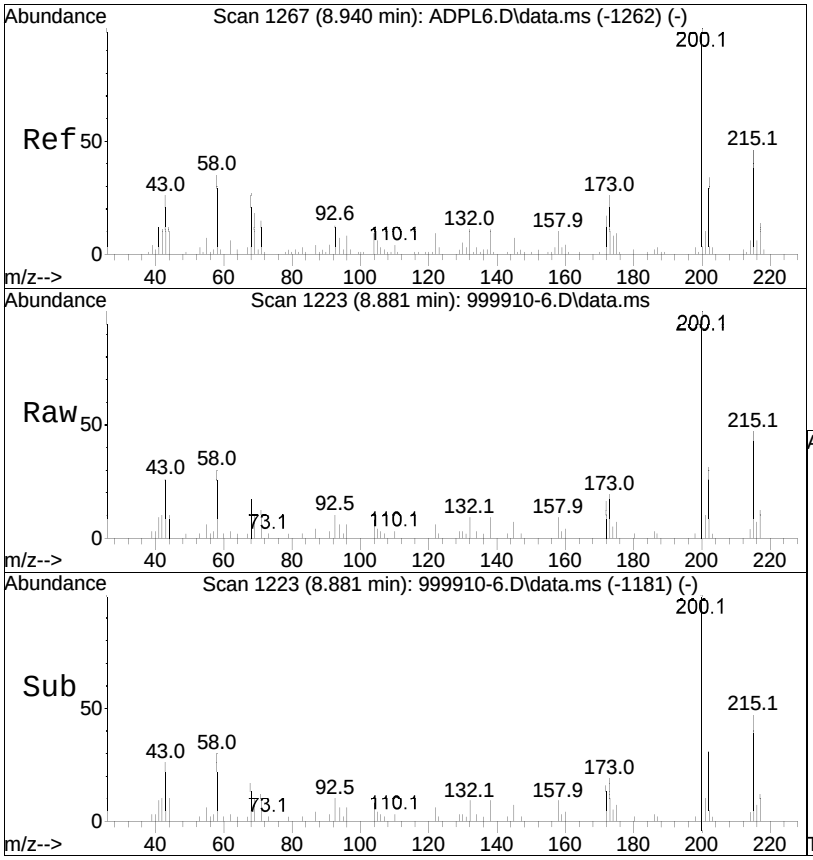


#85
Pentachloronitrobenzene
Concen: 1.64 ug/ml
RT: 8.957 min Scan# 1236
Delta R.T. -0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:237 Resp: 4048

Ion	Ratio	Lower	Upper
237	100		
142	52.7	70.3	105.5#
214	74.5	59.4	89.2

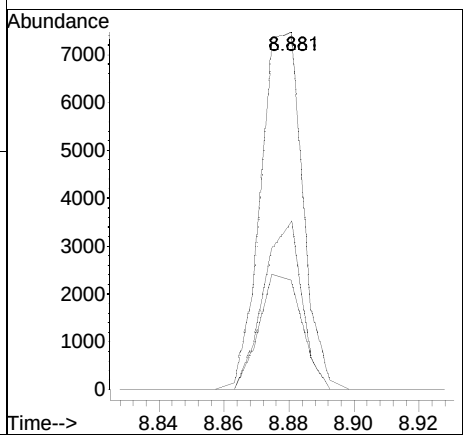


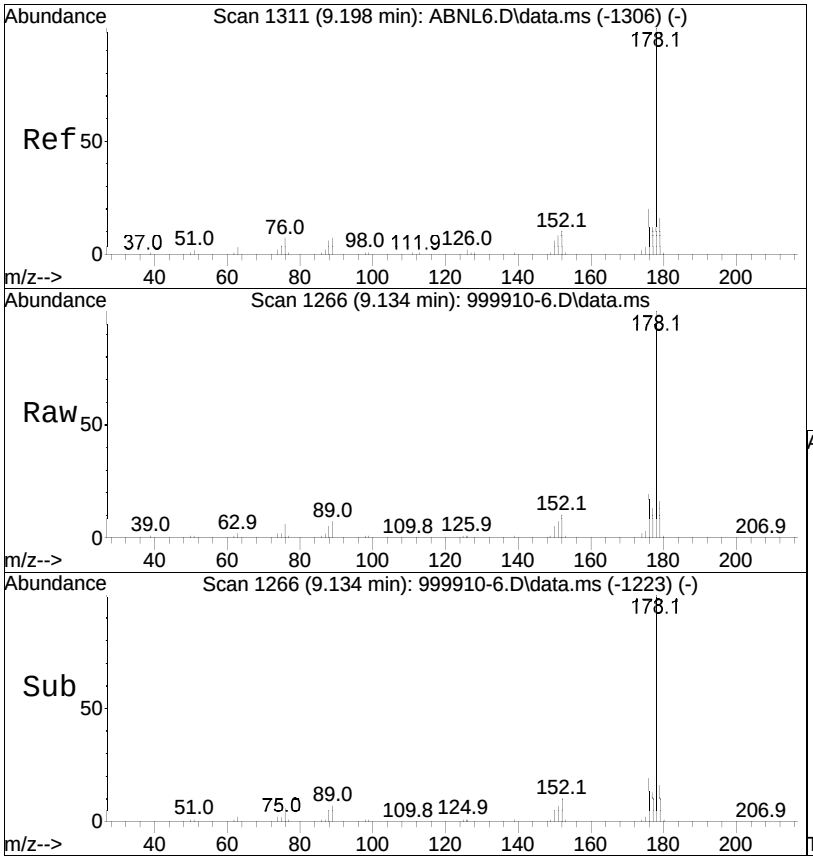


#87
Atrazine
Concen: 1.43 ug/ml
RT: 8.881 min Scan# 1223
Delta R.T. -0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:200 Resp: 6658

Ion	Ratio	Lower	Upper
200	100		
202	32.9	25.0	37.6
215	43.0	34.5	51.7

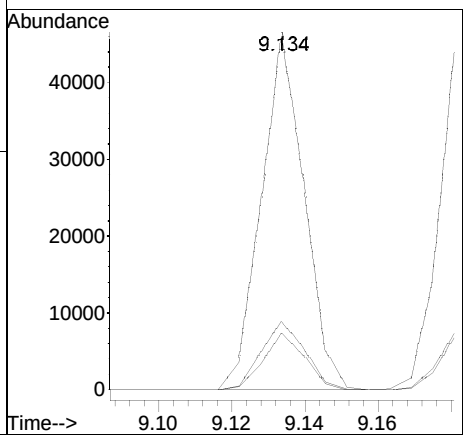


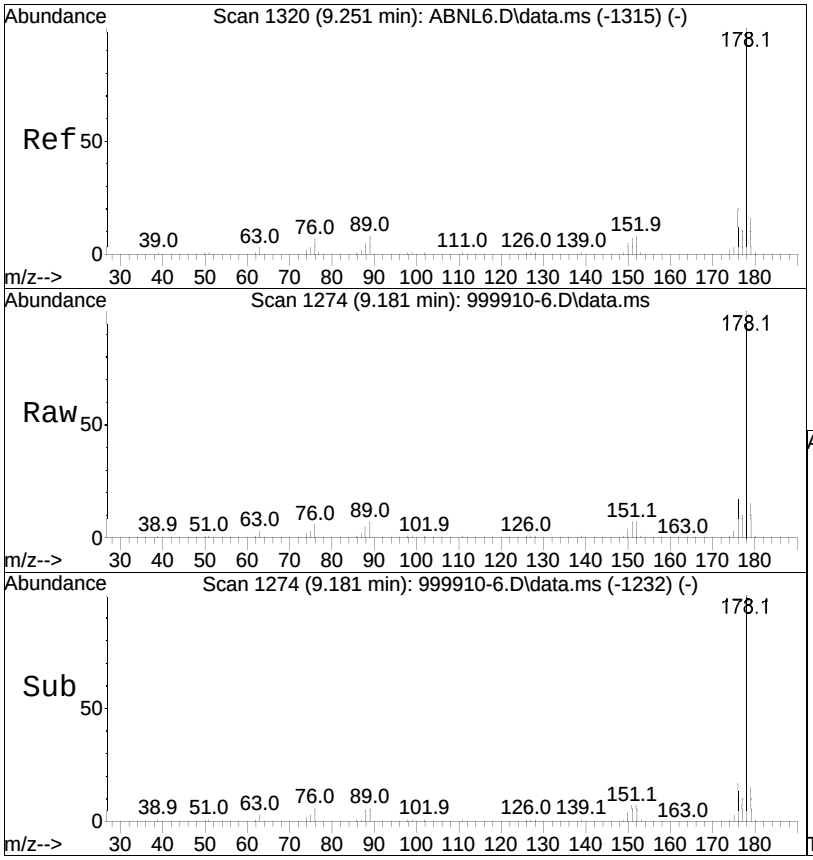


#89
Phenanthrene
Concen: 1.59 ug/ml
RT: 9.134 min Scan# 1266
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:178 Resp: 37612

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.6	15.4	23.2

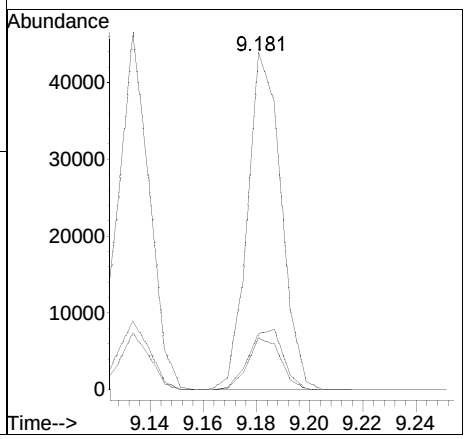


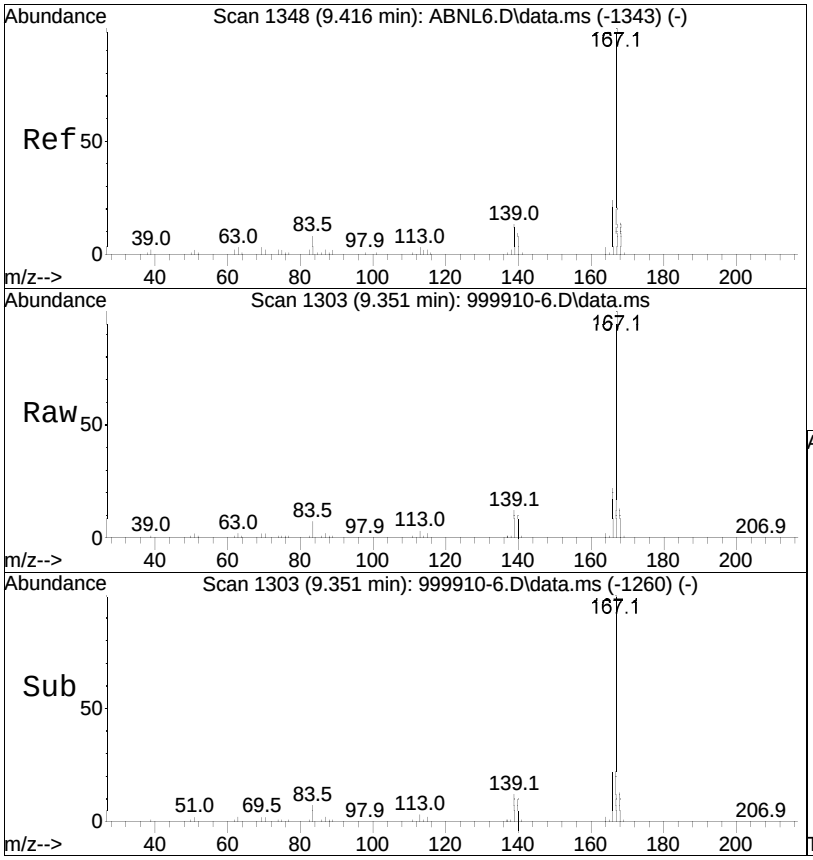


#90
Anthracene
Concen: 1.67 ug/ml
RT: 9.181 min Scan# 1274
Delta R.T. -0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:178 Resp: 38543

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2
176	18.6	15.1	22.7

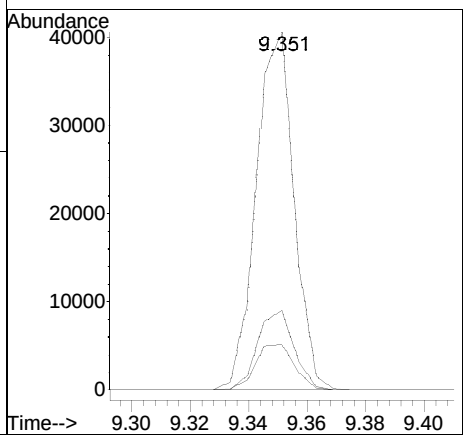


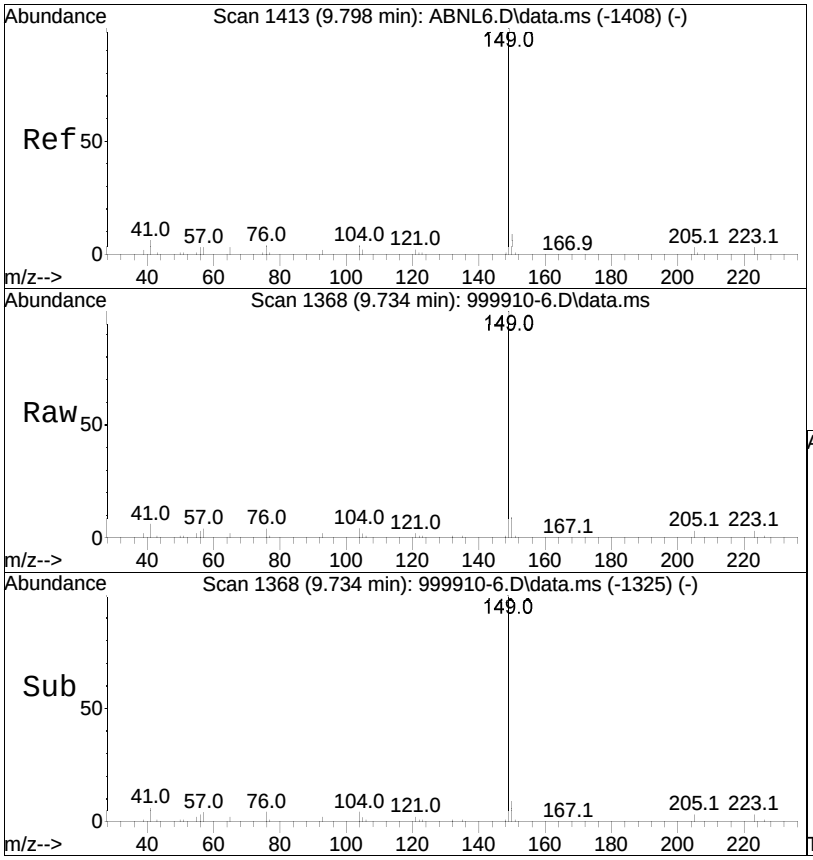


#91
Carbazole
Concen: 1.71 ug/ml
RT: 9.351 min Scan# 1303
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:167 Resp: 36076

Ion	Ratio	Lower	Upper
167	100		
168	13.3	10.8	16.2
166	21.4	17.7	26.5

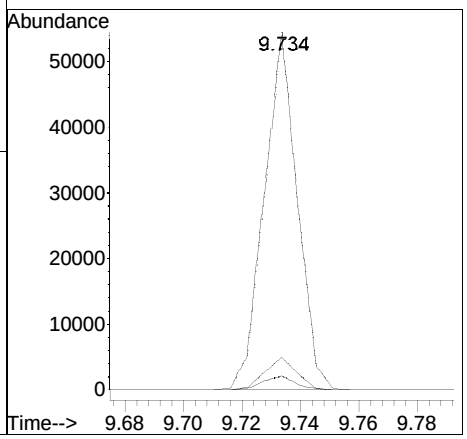


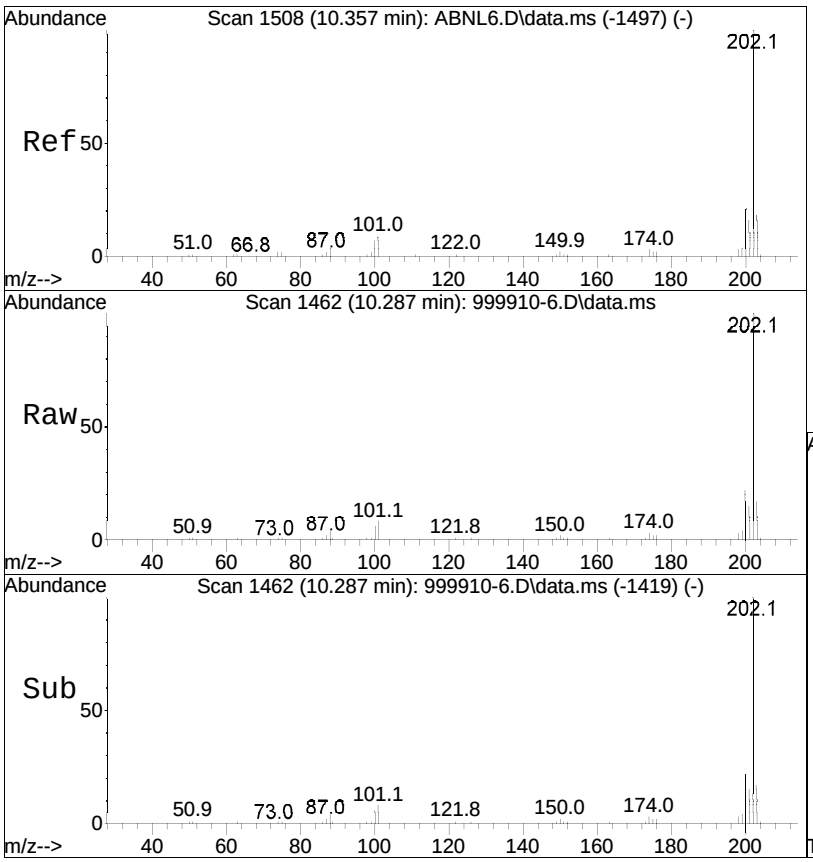


#92
Di-n-butylphthalate
Concen: 1.82 ug/ml
RT: 9.734 min Scan# 1368
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:149 Resp: 42084

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.0	4.0	6.0

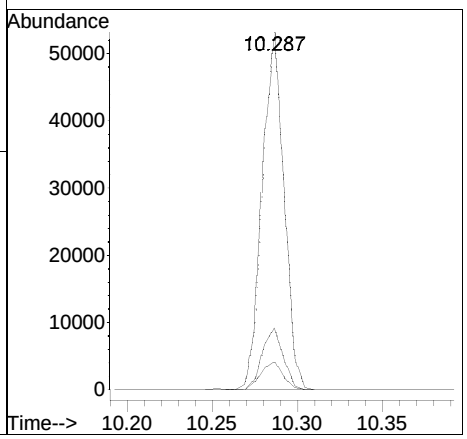


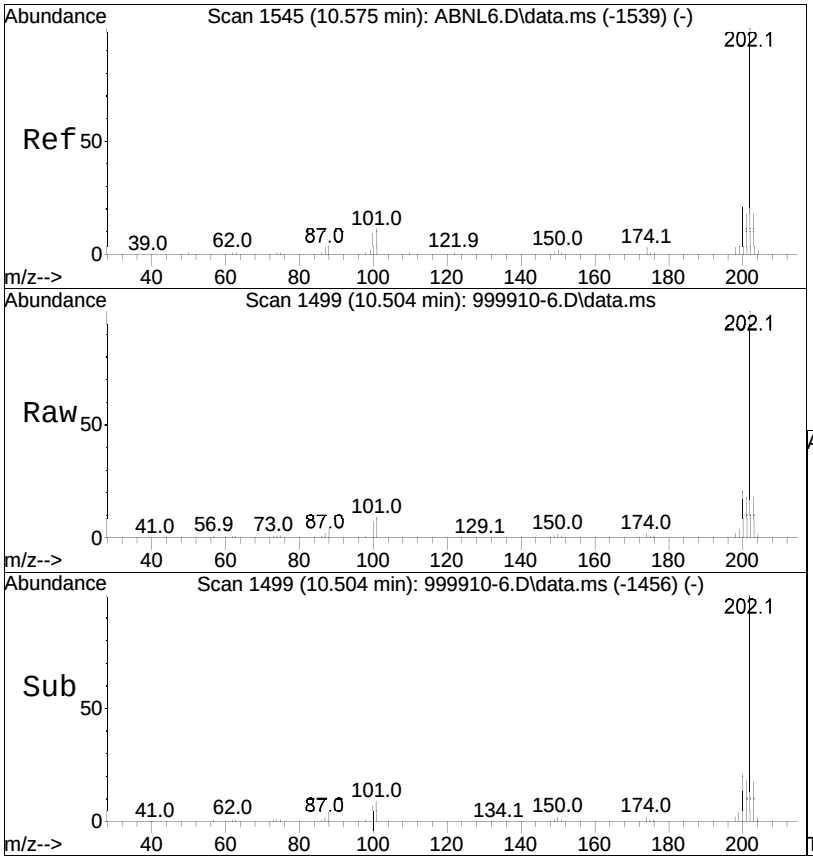


#93
Fluoranthene
Concen: 1.70 ug/ml M3
RT: 10.287 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:202 Resp: 46606

Ion	Ratio	Lower	Upper
202	100		
101	12.0	11.2	16.8
203	19.8	13.7	20.5

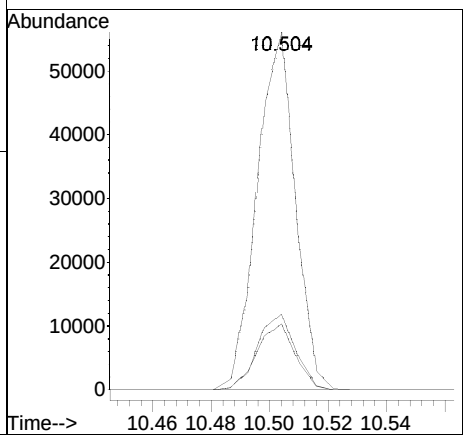


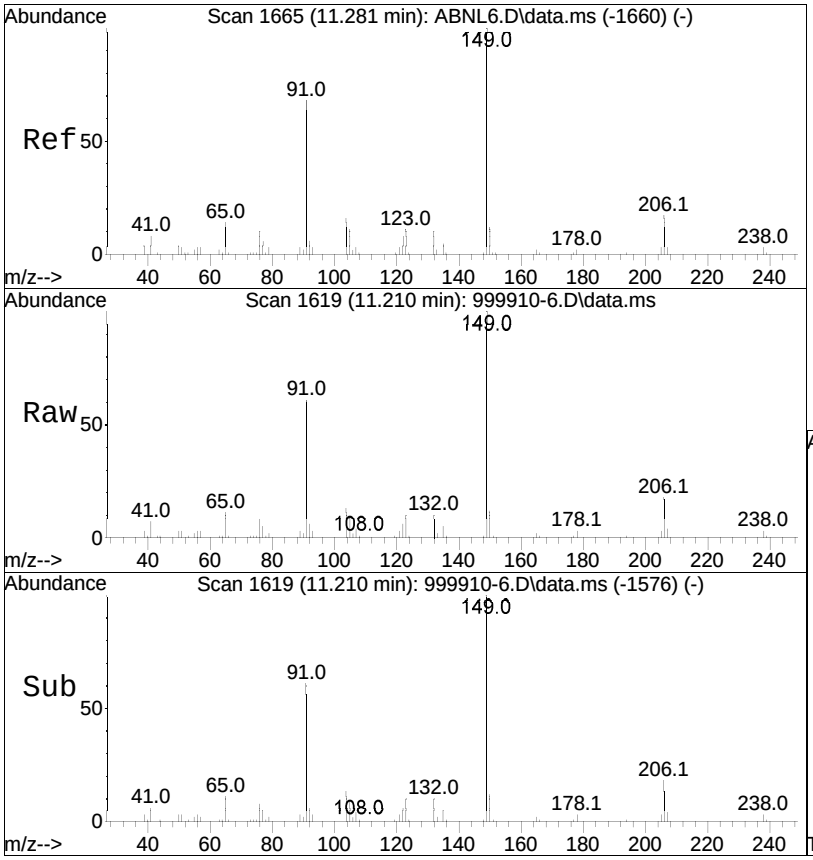


#95
Pyrene
Concen: 1.73 ug/ml
RT: 10.504 min Scan# 1499
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:202 Resp: 50315

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	18.7	14.3	21.5

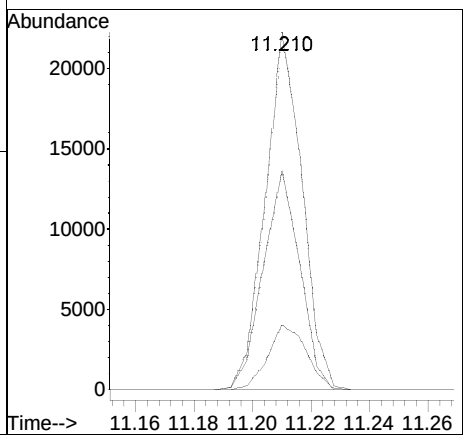


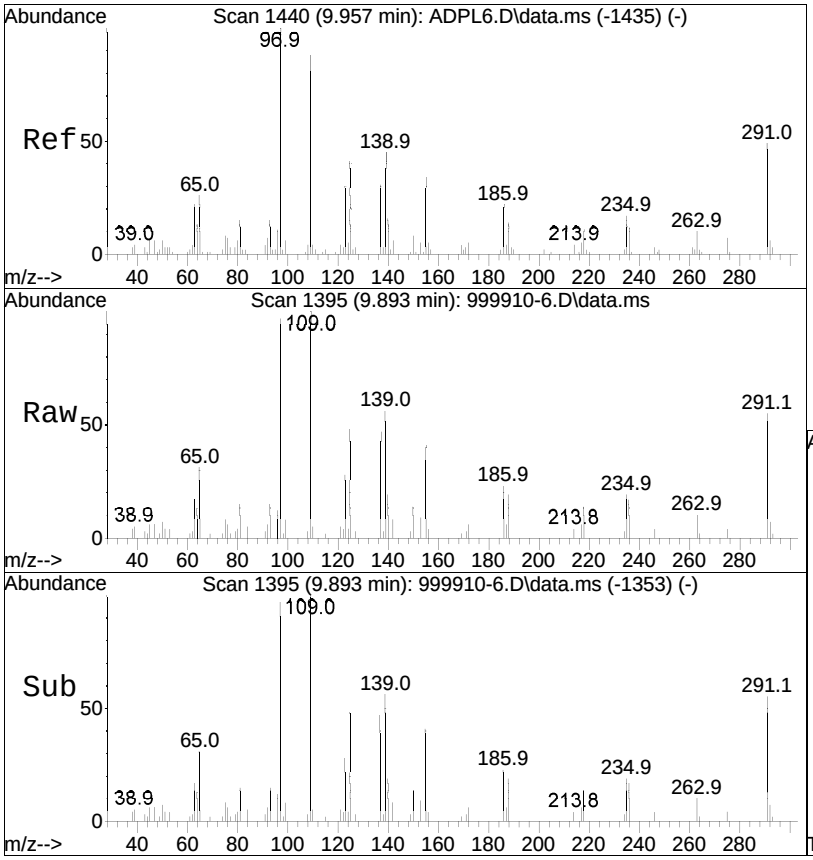


#97
Butyl benzyl phthalate
Concen: 1.89 ug/ml
RT: 11.210 min Scan# 1619
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:149 Resp: 19268

Ion	Ratio	Lower	Upper
149	100		
91	61.2	57.9	86.9
206	19.2	11.9	17.9#

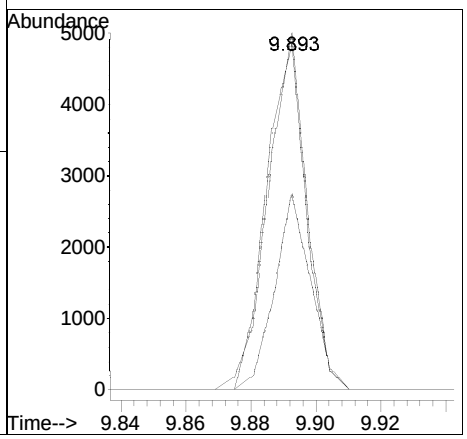


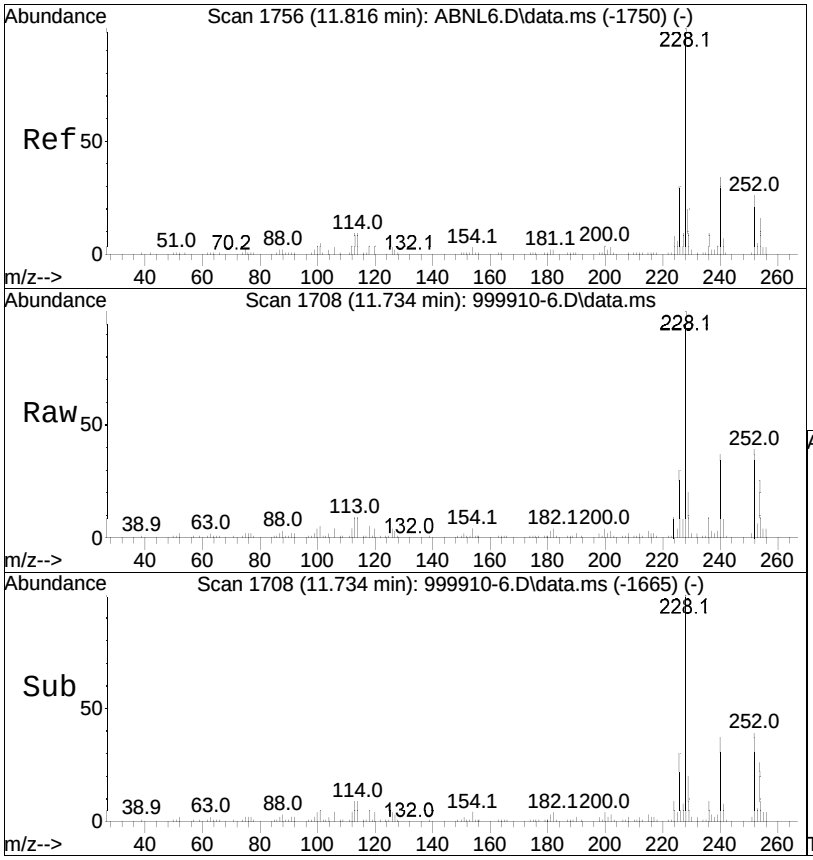


#102
Parathion
Concen: 2.18 ug/ml
RT: 9.893 min Scan# 1395
Delta R.T. -0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:109 Resp: 4122

Ion	Ratio	Lower	Upper
109	100		
97	99.6	85.4	128.2
291	51.5	25.4	38.2#

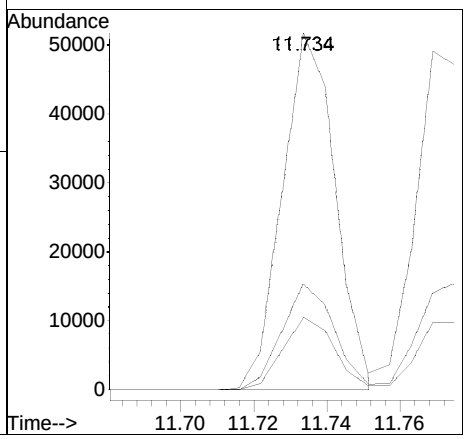


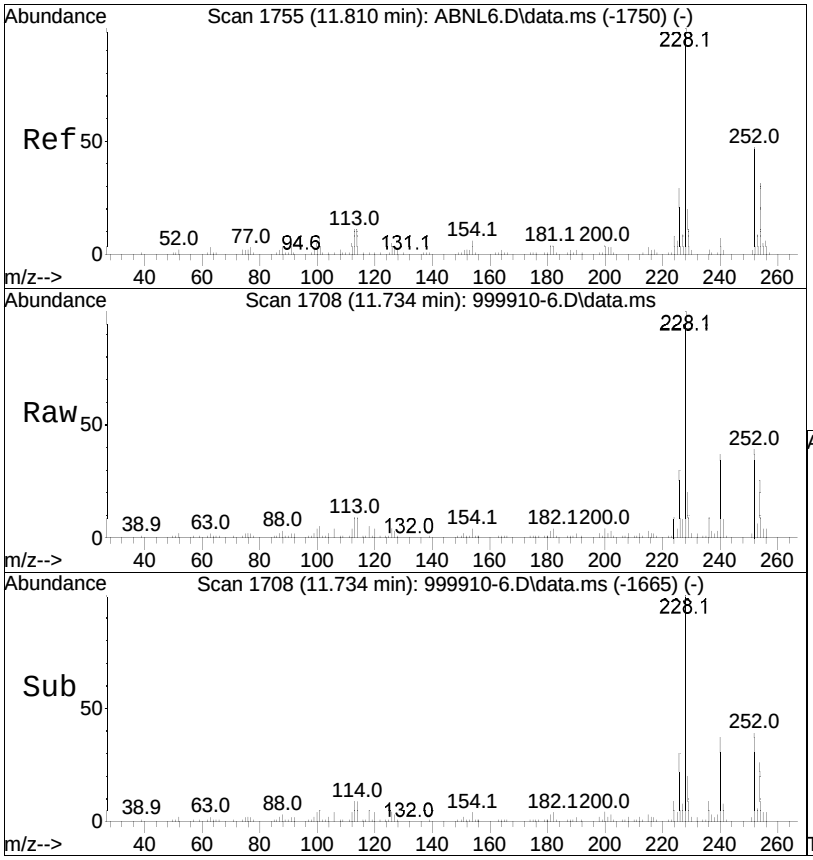


#105
Benzo(a)anthracene
Concen: 1.63 ug/ml
RT: 11.734 min Scan# 1708
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:228 Resp: 51993

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	34.0
229	19.9	15.8	23.6

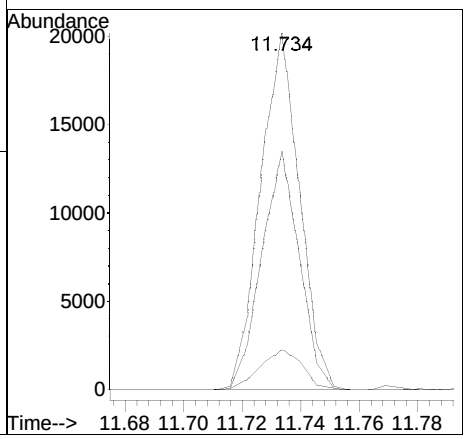


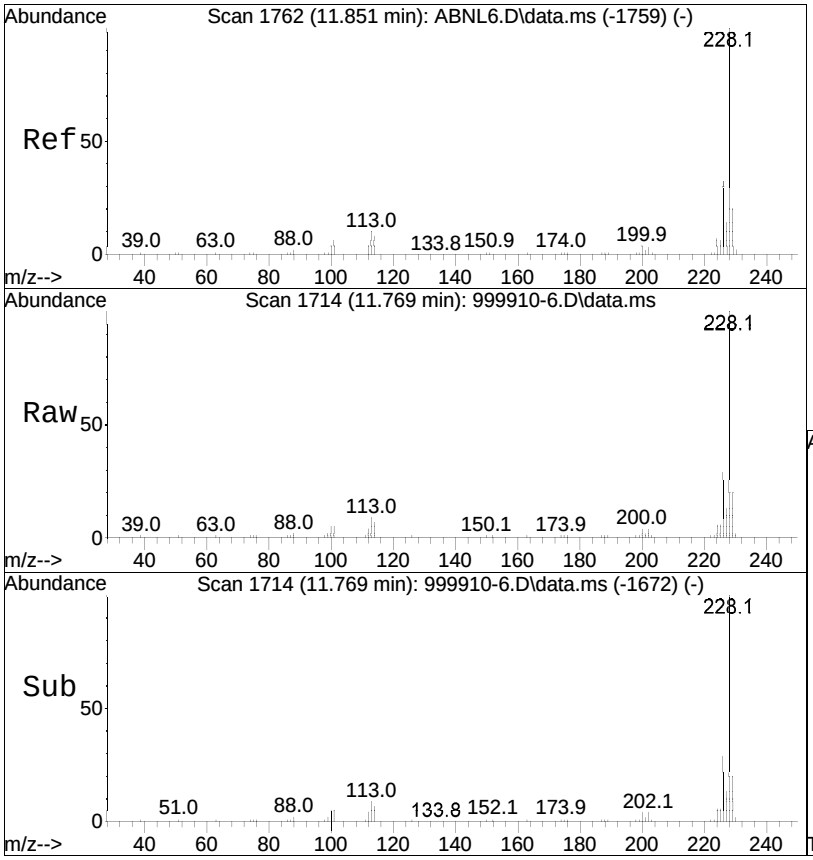


#106
3,3'-Dichlorobenzidine
Concen: 1.60 ug/ml
RT: 11.734 min Scan# 1708
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:252 Resp: 18625

Ion	Ratio	Lower	Upper
252	100		
126	12.5	12.6	19.0#
254	64.5	51.1	76.7

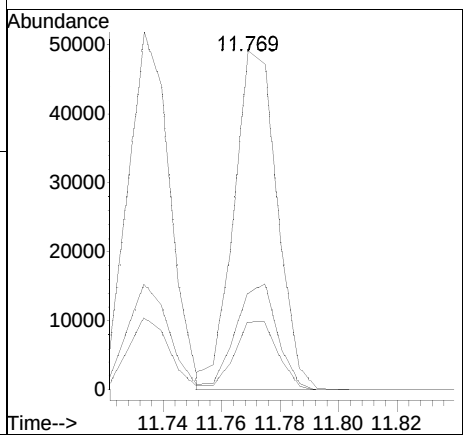


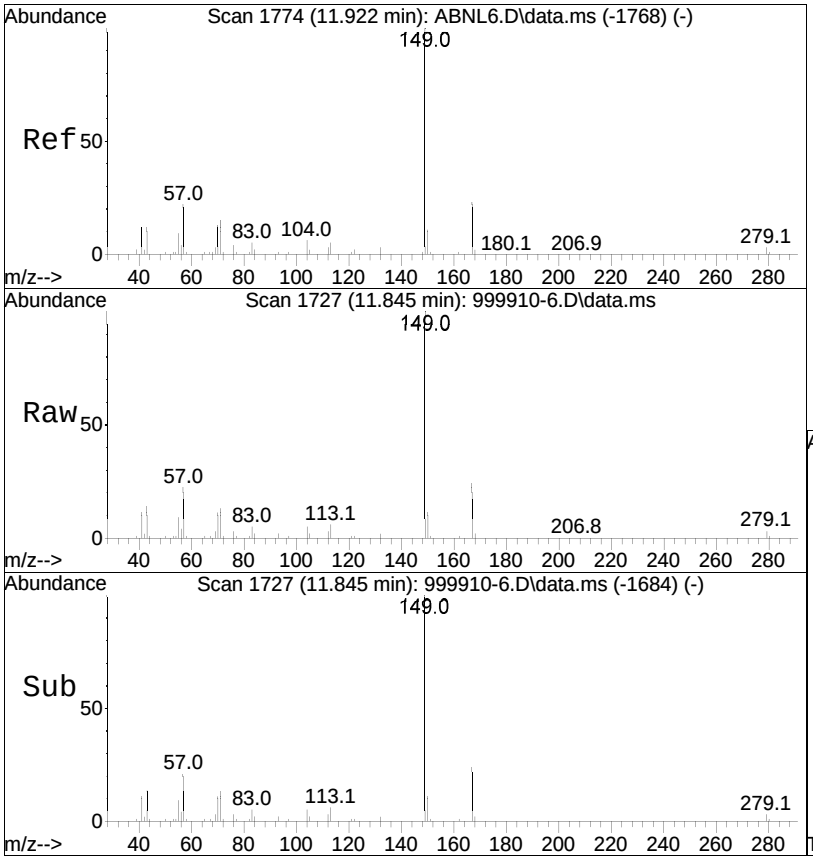


#107
Chrysene
Concen: 1.62 ug/ml
RT: 11.769 min Scan# 1714
Delta R.T. -0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:228 Resp: 50528

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	20.2	15.5	23.3

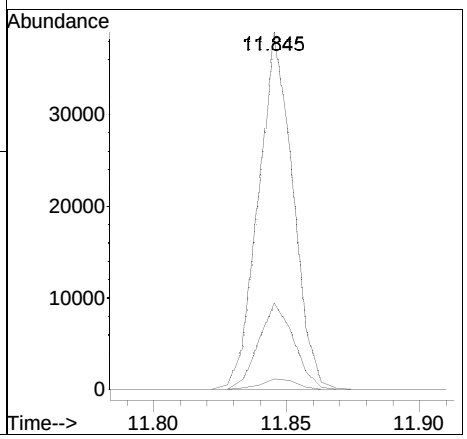


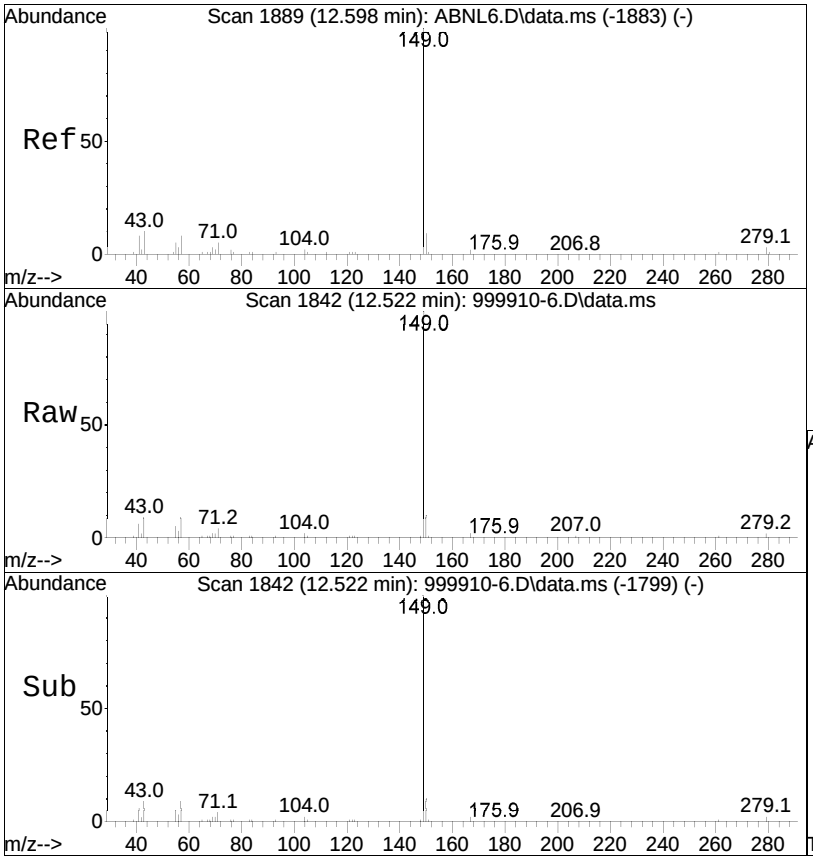


#108
Bis(2-ethylhexyl)phthalate
Concen: 2.19 ug/ml
RT: 11.845 min Scan# 1727
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:149 Resp: 34763

Ion	Ratio	Lower	Upper
149	100		
167	24.9	18.4	27.6
279	2.9	1.7	2.5#

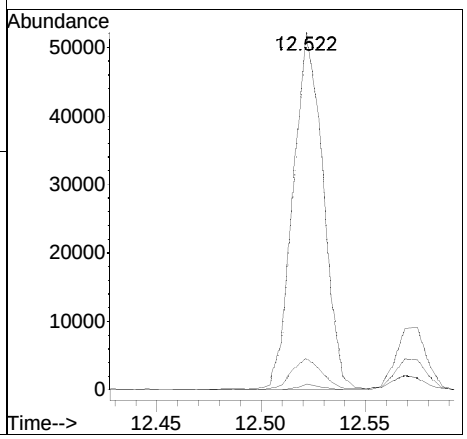


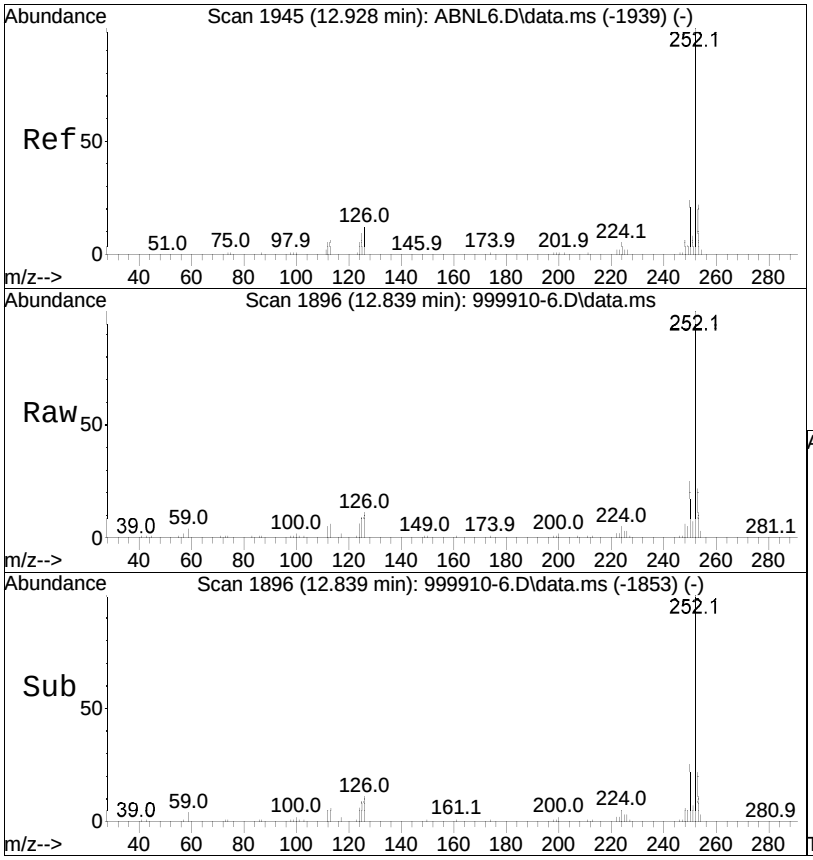


#109
Di-n-octylphthalate
Concen: 2.14 ug/ml
RT: 12.522 min Scan# 1842
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:149 Resp: 51952

Ion	Ratio	Lower	Upper
149	100		
43	9.2	8.2	12.2
167	1.4	1.1	1.7

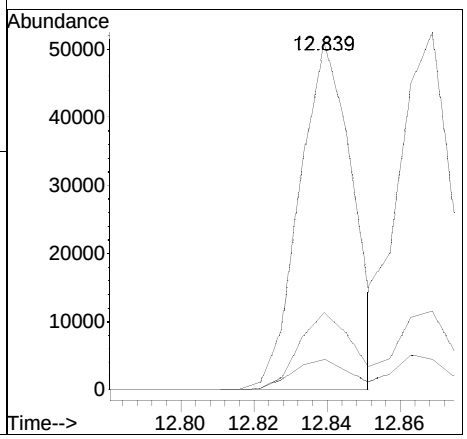


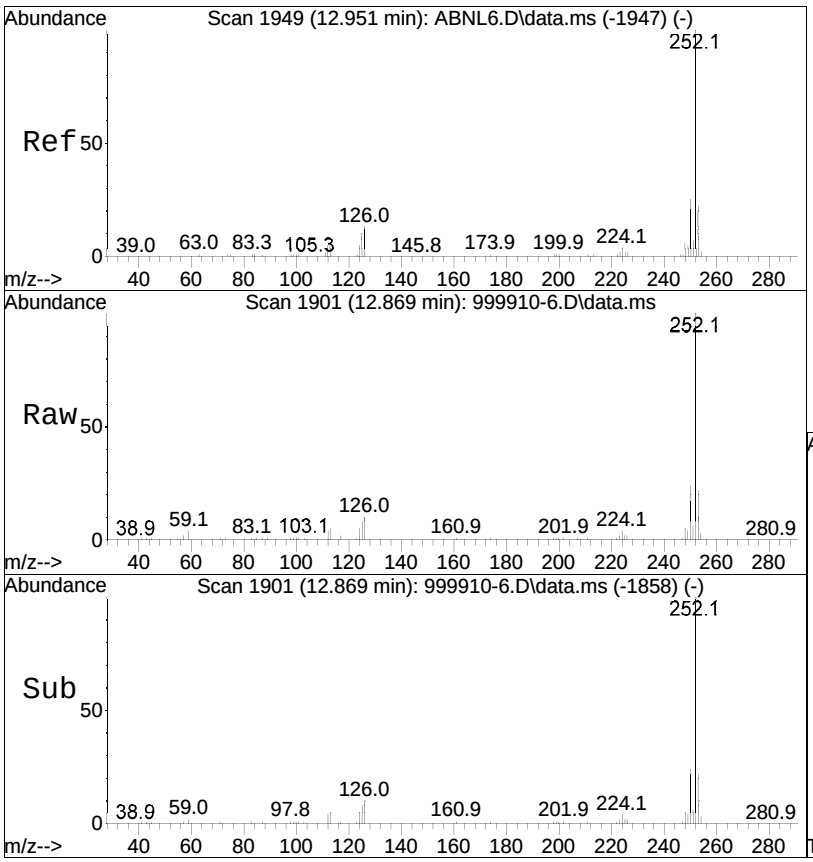


#110
Benzo(b)fluoranthene
Concen: 1.60 ug/ml
RT: 12.839 min Scan# 1896
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:252 Resp: 52247

Ion	Ratio	Lower	Upper
252	100		
125	9.4	11.3	16.9#
253	22.3	17.8	26.8

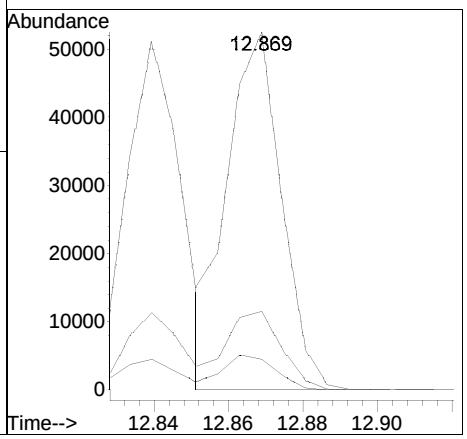


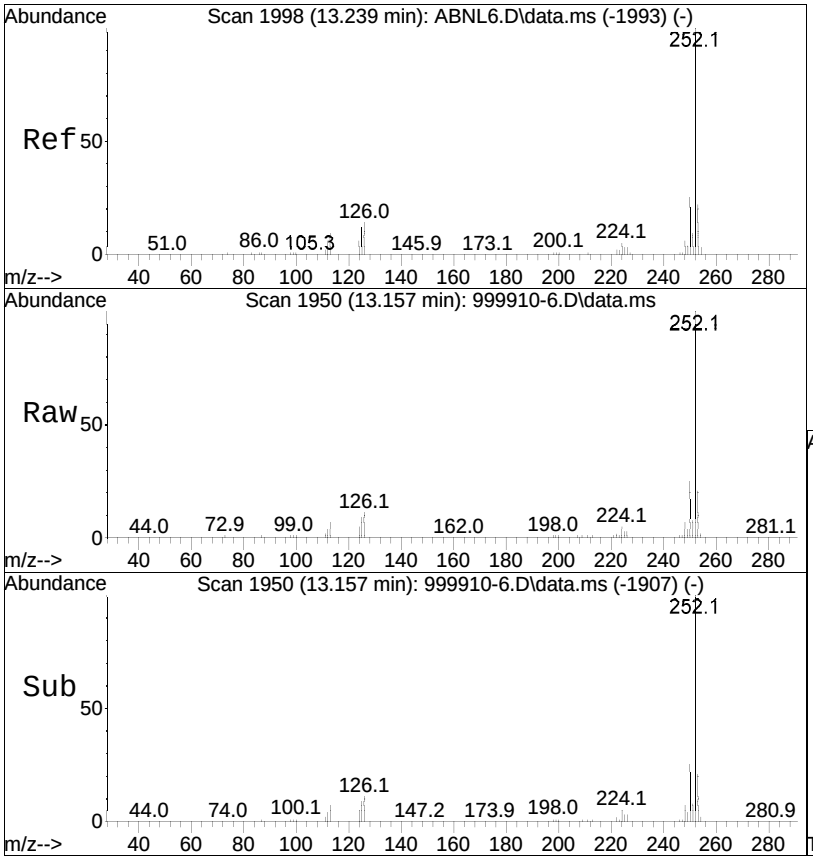


#111
Benzo(k)fluoranthene
Concen: 1.78 ug/ml M3
RT: 12.869 min Scan# 1901
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:252 Resp: 53006

Ion	Ratio	Lower	Upper
252	100		
125	9.3	11.5	17.3#
253	22.0	17.6	26.4

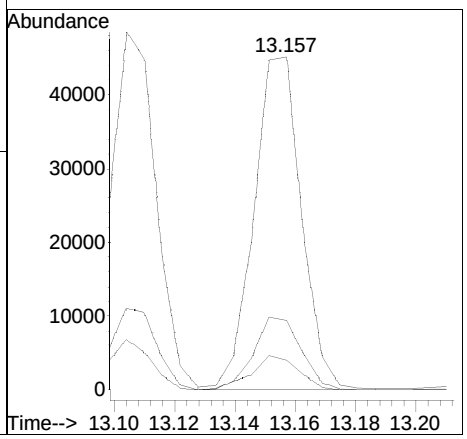


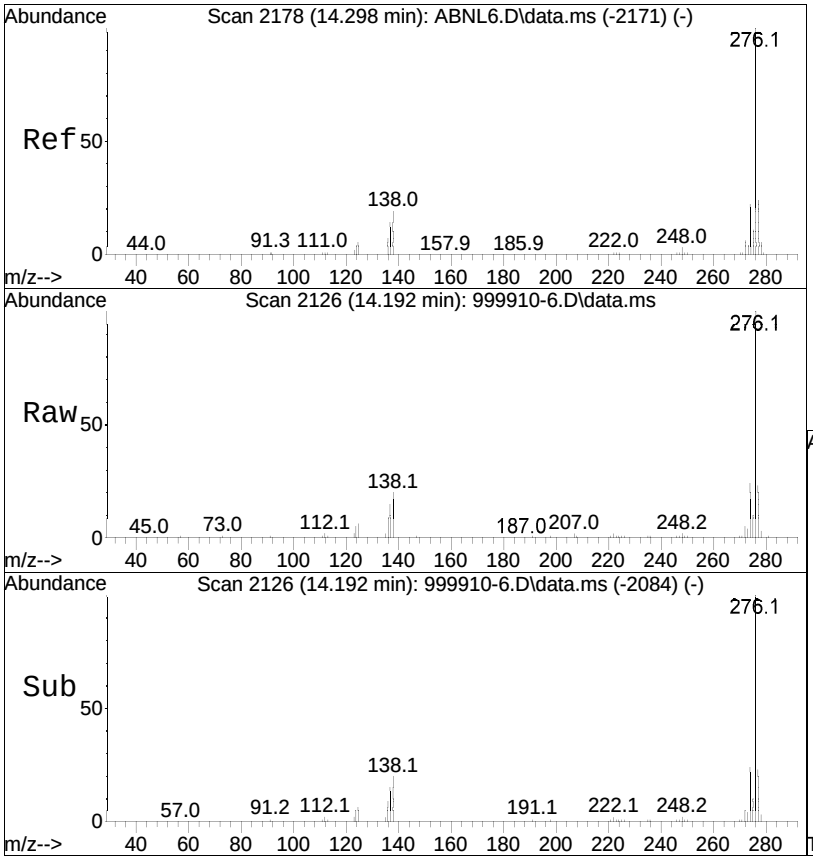


#112
Benzo(a)pyrene
Concen: 1.73 ug/ml M3
RT: 13.157 min Scan# 1950
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:252 Resp: 49411

Ion	Ratio	Lower	Upper
252	100		
125	14.3	12.6	18.8
253	23.6	17.5	26.3

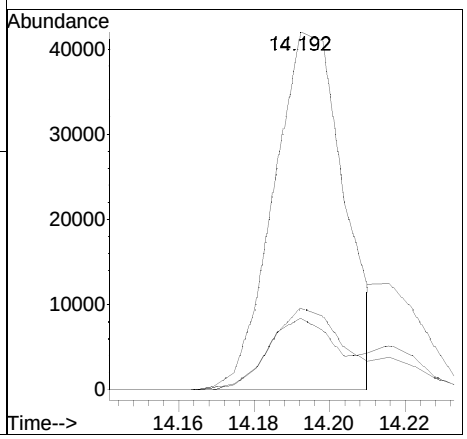


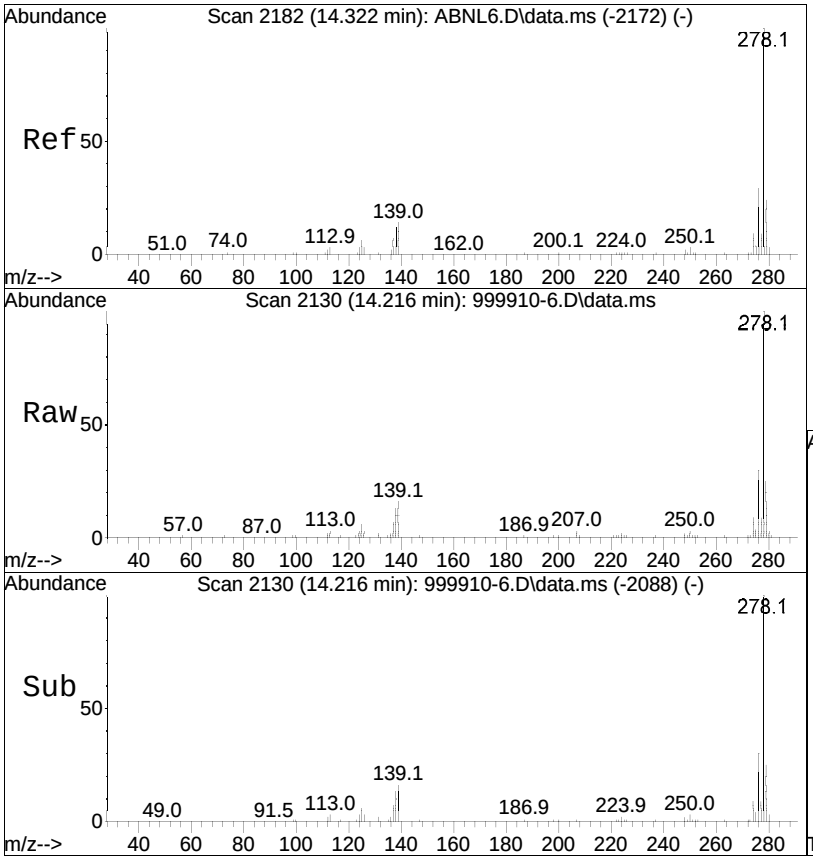


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.72 ug/mL M6
RT: 14.192 min Scan# 2126
Delta R.T. -0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:276 Resp: 54968

Ion	Ratio	Lower	Upper
276	100		
138	29.3	22.1	33.1
277	29.1	19.0	28.6#

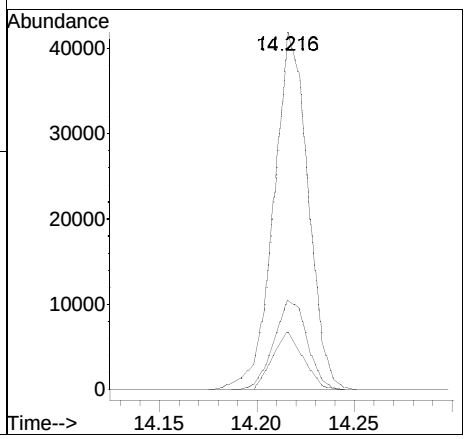


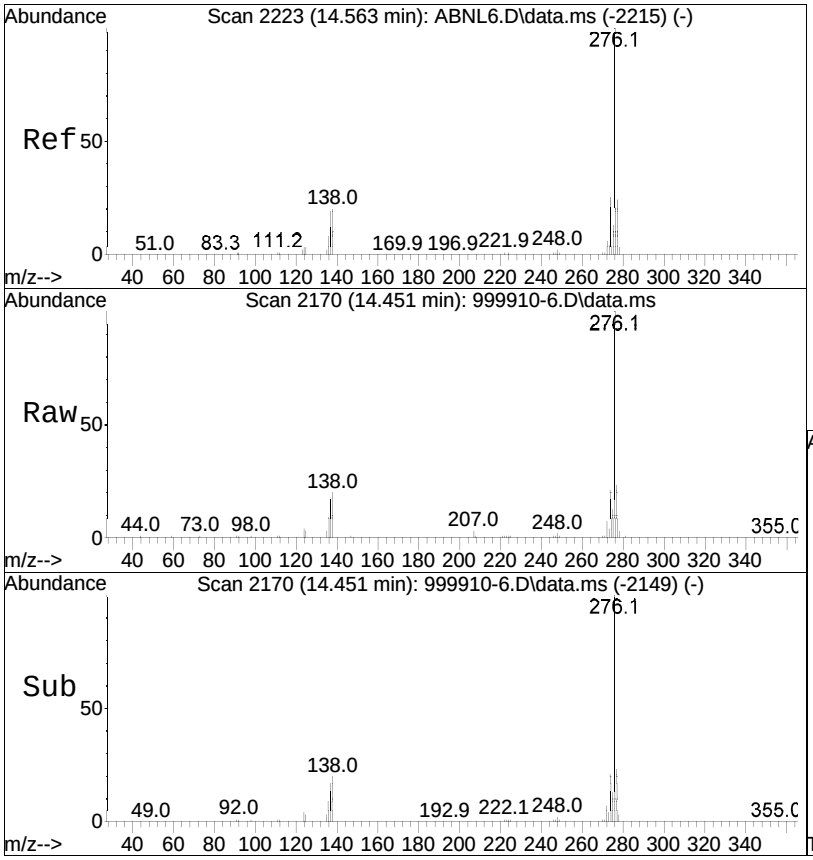


#115
Dibenzo(a,h)anthracene
Concen: 1.67 ug/ml
RT: 14.216 min Scan# 2130
Delta R.T. -0.006 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:278 Resp: 50947

Ion	Ratio	Lower	Upper
278	100		
139	14.6	17.8	26.8#
279	24.6	19.2	28.8

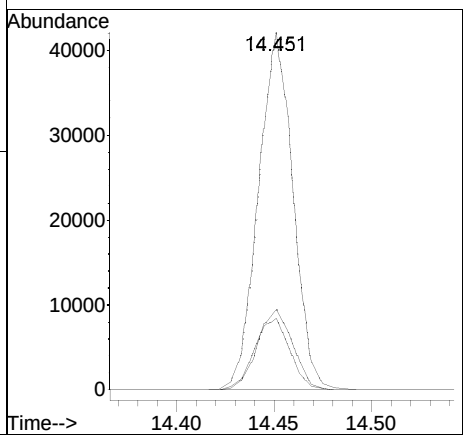




#116
Benzo(ghi)perylene
Concen: 1.66 ug/ml
RT: 14.451 min Scan# 2170
Delta R.T. 0.000 min
Lab File: 999910-6.D
Acq: 22 Nov 2024 05:17 am

Tgt Ion:276 Resp: 51404

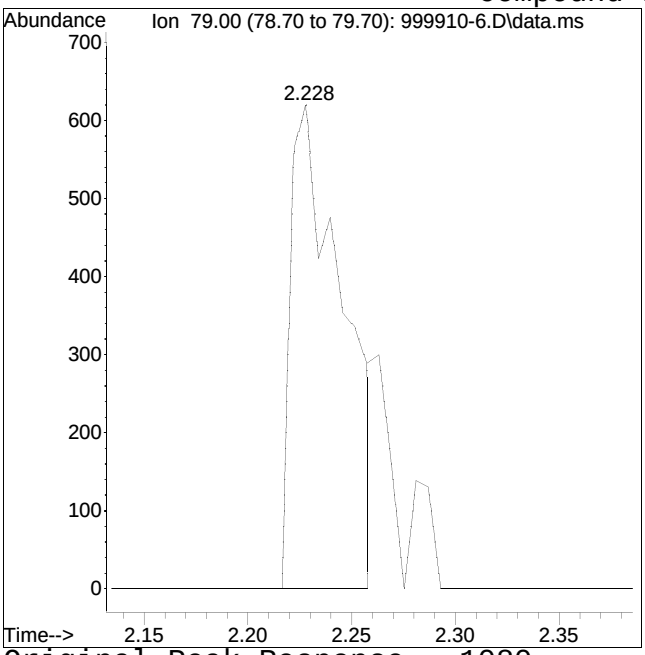
Ion	Ratio	Lower	Upper
276	100		
138	20.8	21.9	32.9#
277	23.3	18.4	27.6



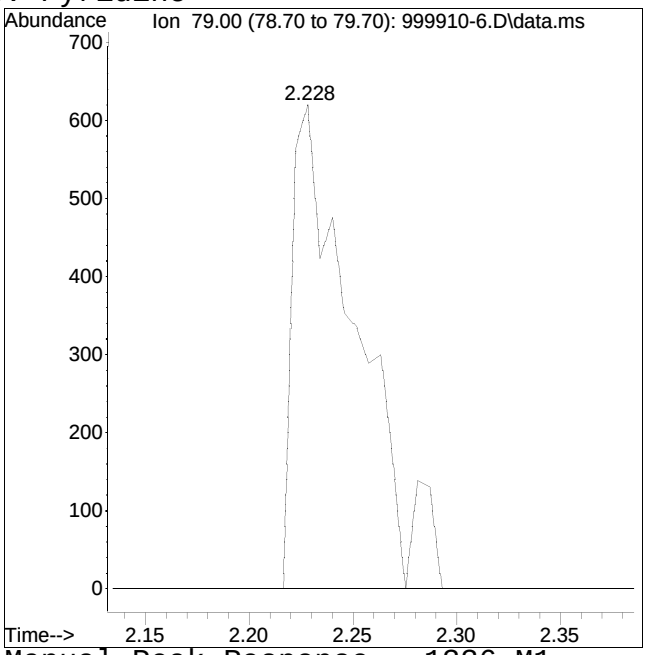
Manual Integration Report

Data Path	: I:\8270\SV112\241121RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 999910-6.D	Operator	: SV112:ek
Date Inj'd	: 11/22/2024 5:17 am	Instrument	: SV112
Sample	: WG1999910-6,32,,ASK	Quant Date	: 11/22/2024 5:35 am

Compound #3: Pyridine



Original Peak Response = 1080



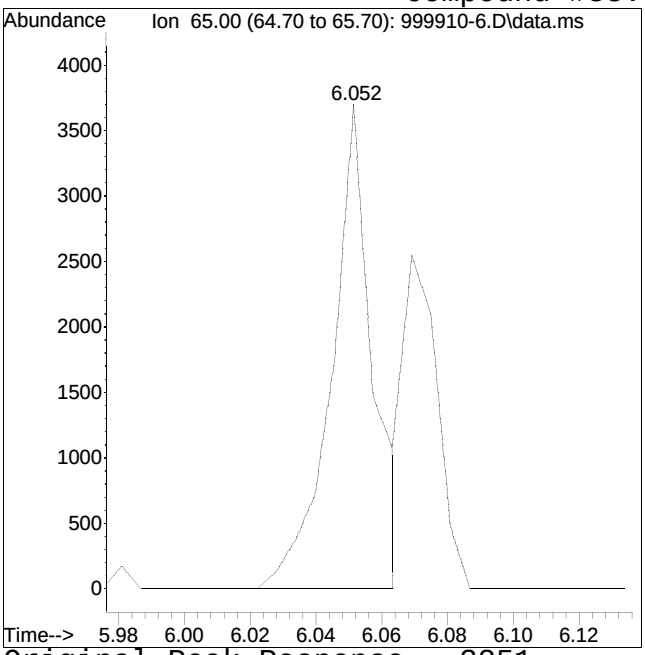
Manual Peak Response = 1336 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

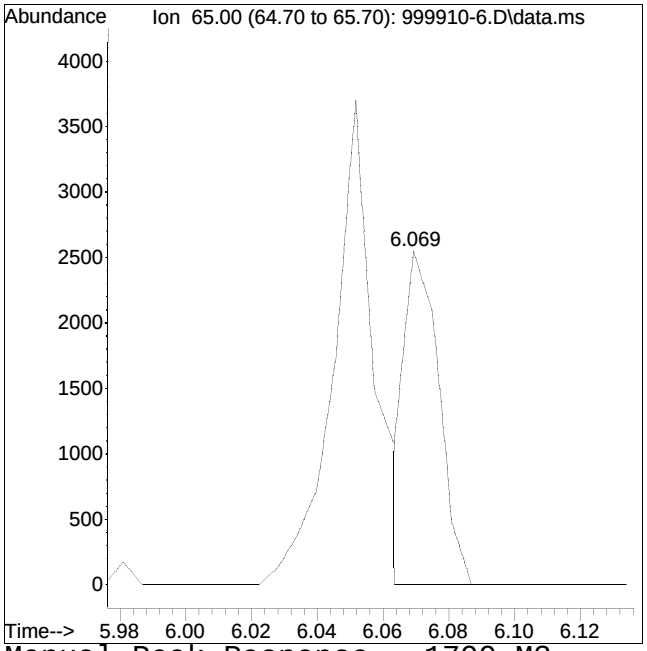
Manual Integration Report

Data Path	: I:\8270\SV112\241121RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 999910-6.D	Operator	: SV112:ek
Date Inj'd	: 11/22/2024 5:17 am	Instrument	: SV112
Sample	: WG1999910-6,32,,ASK	Quant Date	: 11/22/2024 5:35 am

Compound #38: 4-Chloroaniline



Original Peak Response = 3251



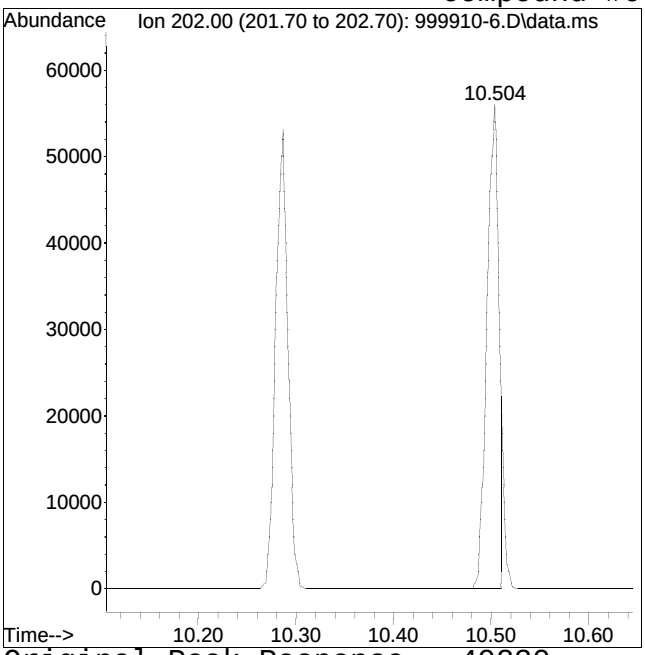
Manual Peak Response = 1799 M3

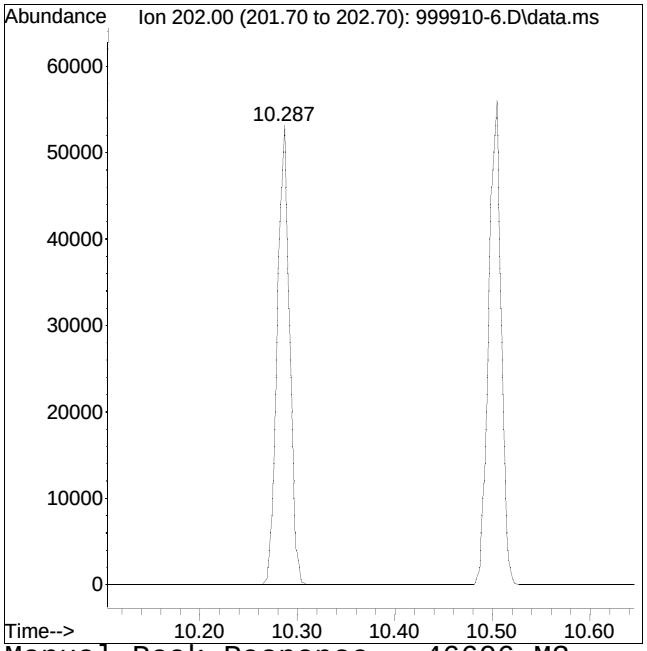
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path	: I:\8270\SV112\241121RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 999910-6.D	Operator	: SV112:ek
Date Inj'd	: 11/22/2024 5:17 am	Instrument	: SV112
Sample	: WG1999910-6,32,,ASK	Quant Date	: 11/22/2024 5:35 am

Compound #93: Fluoranthene





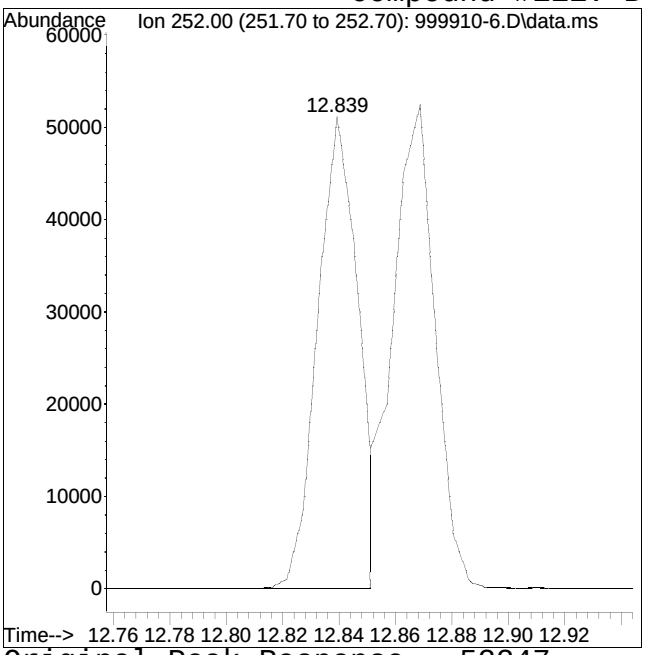
Original Peak Response = 49230 Manual Peak Response = 46606 M3

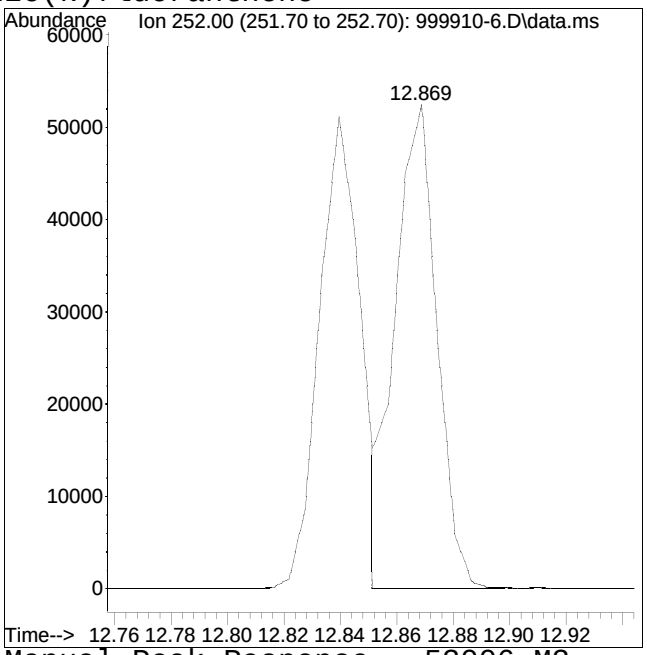
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241121RVT\ QMethod : FS240625SV112RVT.m
Data File : 999910-6.D Operator : SV112:ek
Date Inj'd : 11/22/2024 5:17 am Instrument : SV112
Sample : WG1999910-6,32,,ASK Quant Date : 11/22/2024 5:35 am

Compound #111: Benzo(k)fluoranthene





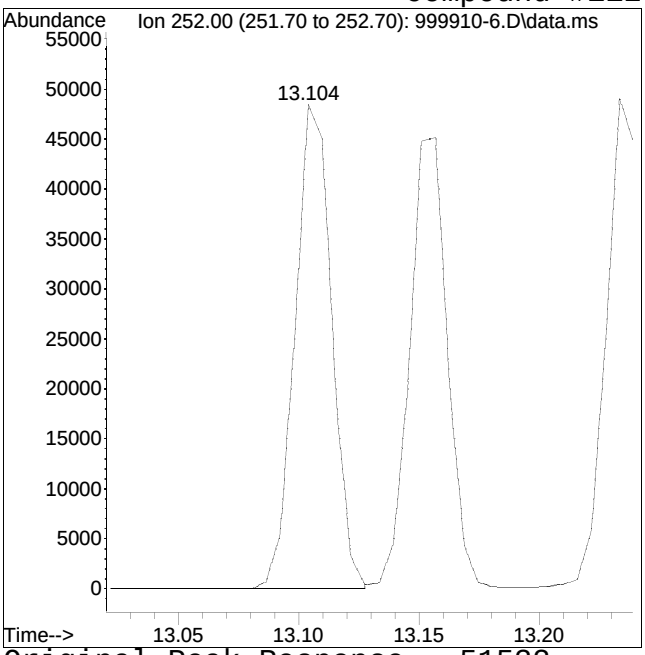
Original Peak Response = 52247 Manual Peak Response = 53006 M3

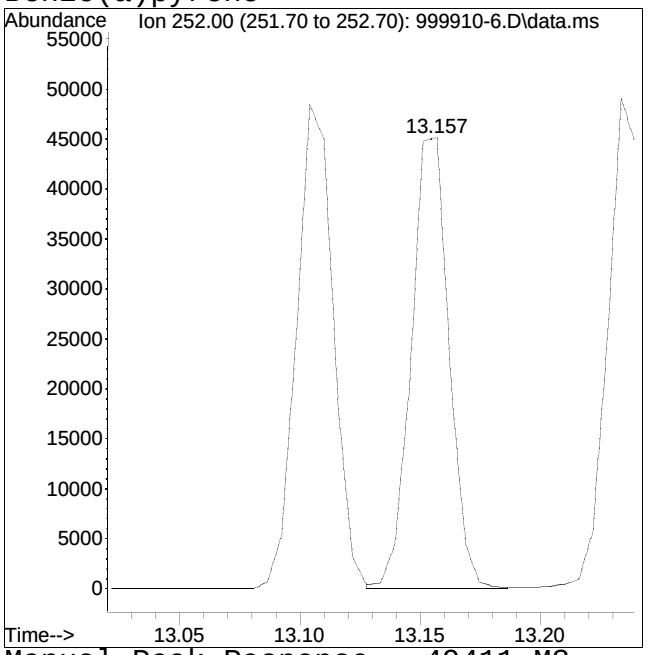
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path	: I:\8270\SV112\241121RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 999910-6.D	Operator	: SV112:ek
Date Inj'd	: 11/22/2024 5:17 am	Instrument	: SV112
Sample	: WG1999910-6,32,,ASK	Quant Date	: 11/22/2024 5:35 am

Compound #112: Benzo(a)pyrene





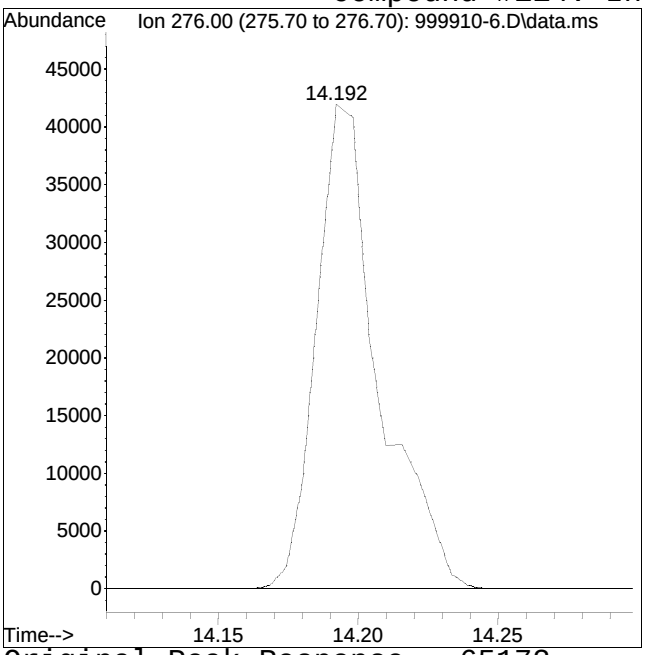
Original Peak Response = 51532 Manual Peak Response = 49411 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

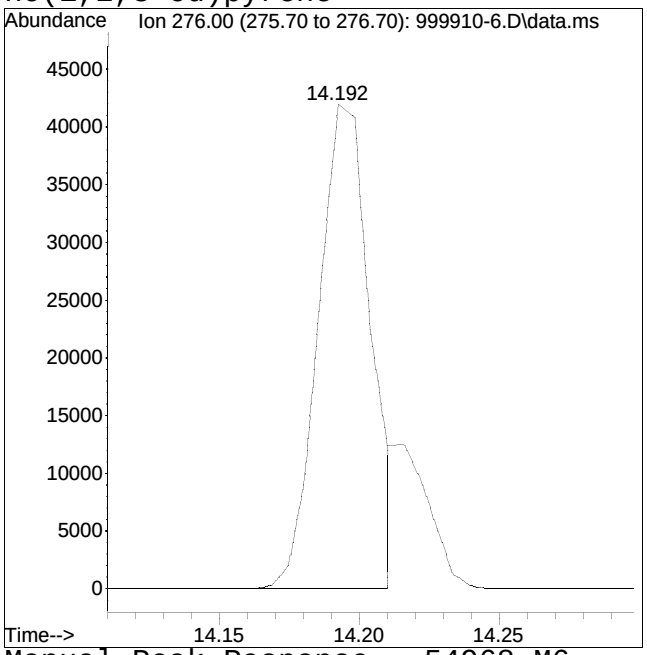
Manual Integration Report

Data Path	: I:\8270\SV112\241121RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 999910-6.D	Operator	: SV112:ek
Date Inj'd	: 11/22/2024 5:17 am	Instrument	: SV112
Sample	: WG1999910-6,32,,ASK	Quant Date	: 11/22/2024 5:35 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 65172



Manual Peak Response = 54968 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-5.D
Acq On : 22 Nov 2024 1:58 am
Operator : Dakota:smz
Sample : WG2000366-5,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 22 10:34:52 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.230	152	33670	4.000	ug/ml	0.00
Standard Area 1 = 36625			Recovery = 91.93%			
37) IS1_Naphthalene-d8	5.467	136	120753	4.000	ug/ml #	0.00
Standard Area 1 = 133133			Recovery = 90.70%			
65) IS1_Acenaphthene-d10	7.158	164	77217	4.000	ug/ml	0.00
Standard Area 1 = 83215			Recovery = 92.79%			
90) IS1_Phenanthrene-d10	8.569	188	166609	4.000	ug/ml	0.00
Standard Area 1 = 172652			Recovery = 96.50%			
106) IS1_Chrysene-d12	11.136	240	189840	4.000	ug/ml	0.00
Standard Area 1 = 200340			Recovery = 94.76%			
115) IS1_Perylene-d12	12.550	264	221218	4.000	ug/ml	0.00
Standard Area 1 = 248466			Recovery = 89.03%			
System Monitoring Compounds						
19) Nitrobenzene-d5	4.780	82	6481	0.644	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.40%			
48) 2-Fluorobiphenyl	6.539	172	17339	0.580	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 58.00%			
98) 4-Terphenyl-d14	10.138	244	32400	0.672	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.20%			
Target Compounds						Qvalue
38) Naphthalene	5.485	128	37695	1.135	ug/ml	99
54) Acenaphthylene	7.015	152	48247	1.277	ug/ml	99
67) Acenaphthene	7.186	154	29333	1.306	ug/ml	87
75) Fluorene	7.683	166	42348	1.428	ug/ml	94
91) Phenanthrene	8.590	178	76419	1.551	ug/ml	99
92) Anthracene	8.640	178	74323	1.538	ug/ml	98
95) Fluoranthene	9.731	202	94508	1.595	ug/ml#	92
97) Pyrene	9.936	202	100562	1.589	ug/ml	98
107) Benzo(a)anthracene	11.127	228	99714	1.550	ug/ml	100
109) Chrysene	11.161	228	98109	1.532	ug/ml	98
112) Benzo(b)fluoranthene	12.193	252	103599	1.537	ug/ml#	93
113) Benzo(k)fluoranthene	12.221	252	108255M1	1.649	ug/ml	
114) Benzo(a)pyrene	12.494	252	94763M3	1.576	ug/ml	
116) Indeno(1,2,3-cd)pyrene	13.483	276	106929	1.567	ug/mL#	90

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-5.D
Acq On : 22 Nov 2024 1:58 am
Operator : Dakota:smz
Sample : WG2000366-5,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 22 10:34:52 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241121RVT\ABN1121.D
: 2 - I:\8270\Dakota\241121RVT\ADP1121.D
: 3 - I:\8270\Dakota\241121RVT\AP91121.D
Sub List : PAH_REV1 - PAHTCL_only

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
117) Dibenzo(a,h)anthracene	13.511	278	104955	1.565 ug/ml#	89
118) Benzo(ghi)perylene	13.694	276	103543	1.571 ug/ml#	87

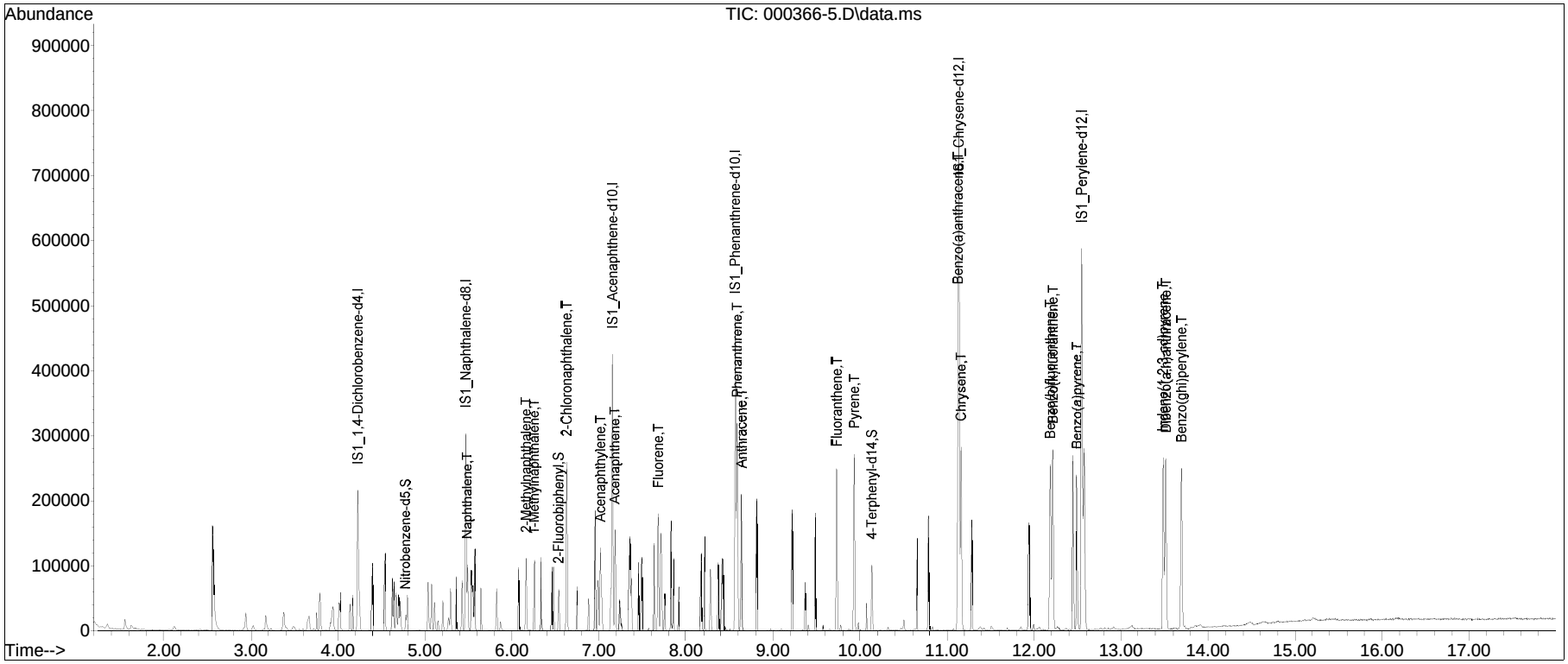
(#) = qualifier out of range (m) = manual integration (+) = signals summed

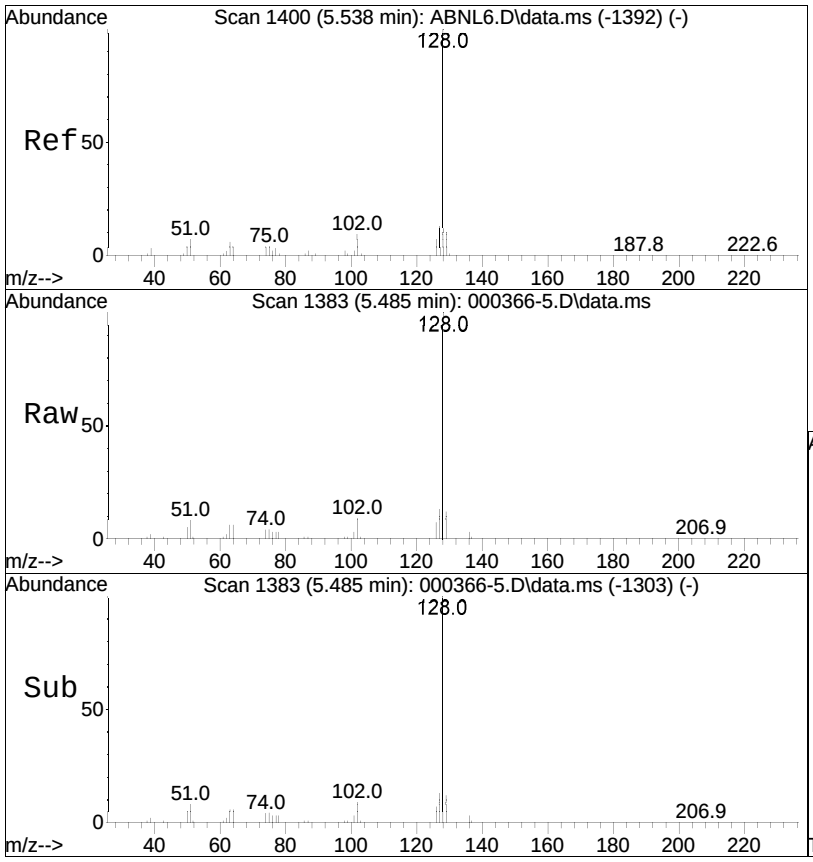
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241121RVT\
Data File : 000366-5.D
Acq On : 22 Nov 2024 1:58 am
Operator : Dakota:smz
Sample : WG2000366-5,32,,ASK
Misc : WG1999667,WG2000366,ical21680
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 22 10:34:52 2024
Quant Method : I:\8270\Dakota\241121RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 21:58:42 2024
Response via : Initial Calibration

Sub List : PAH_REV1 - PAHTCL_only121RVT\AP91121.D•

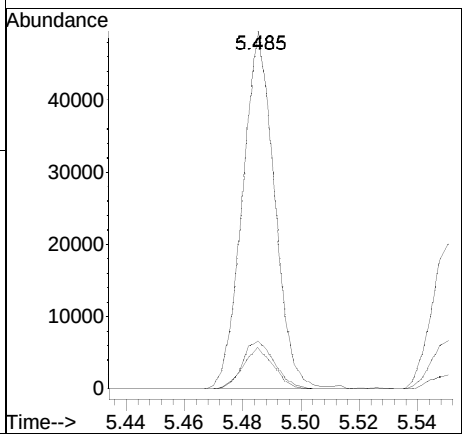


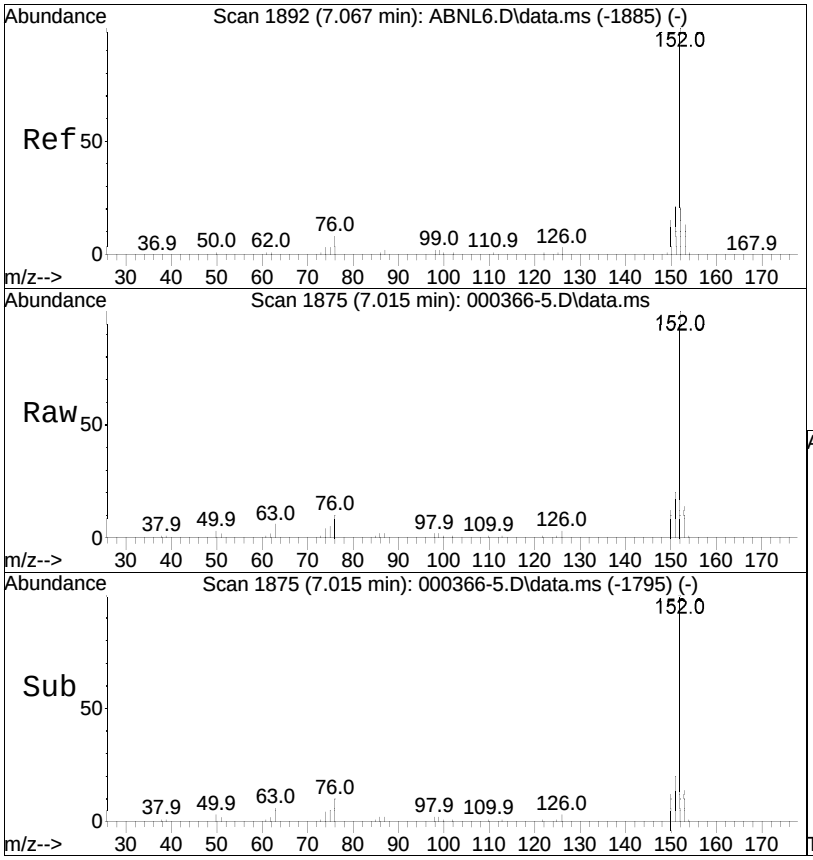


#38
Naphthalene
Concen: 1.14 ug/ml
RT: 5.485 min Scan# 1383
Delta R.T. 0.000 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:128 Resp: 37695

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.5	10.3	15.5

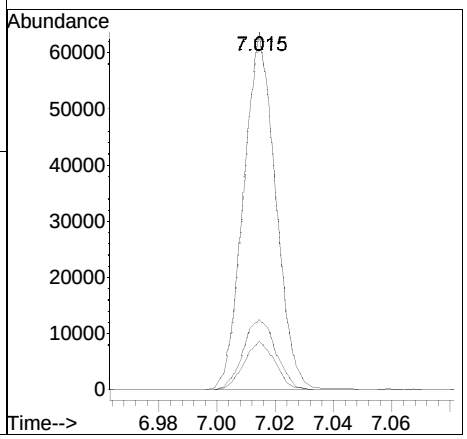


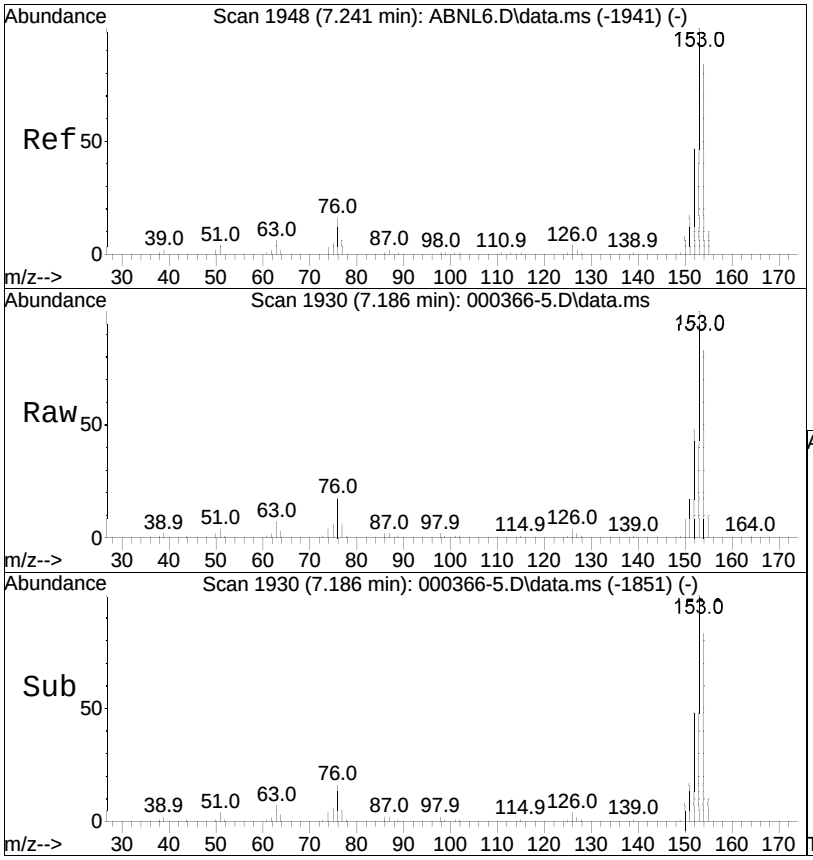


#54
Acenaphthylene
Concen: 1.28 ug/ml
RT: 7.015 min Scan# 1875
Delta R.T. 0.000 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:152 Resp: 48247

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.6
153	13.4	10.5	15.7

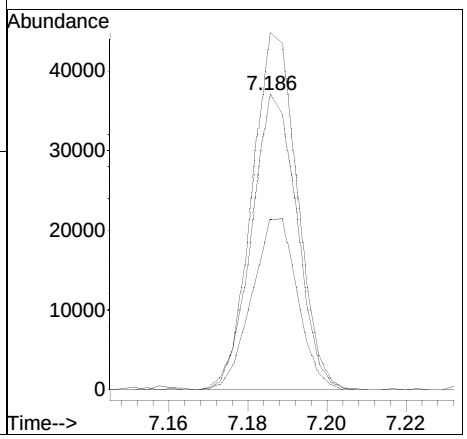


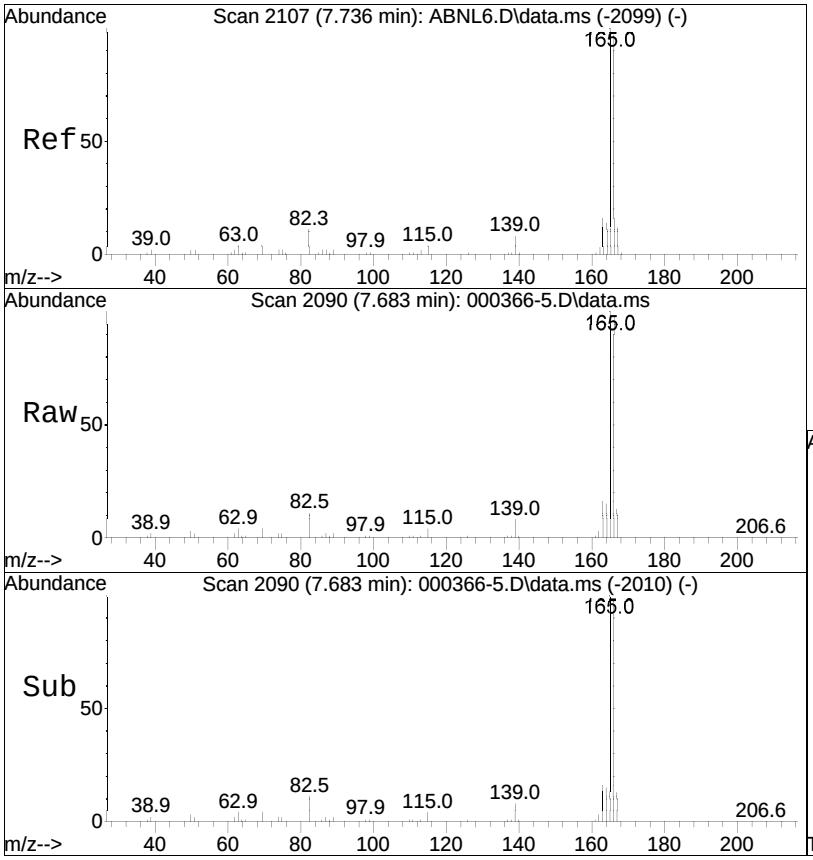


#67
Acenaphthene
Concen: 1.31 ug/ml
RT: 7.186 min Scan# 1930
Delta R.T. -0.003 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:154 Resp: 29333

Ion	Ratio	Lower	Upper
154	100		
153	121.5	85.3	127.9
152	58.9	41.4	62.0

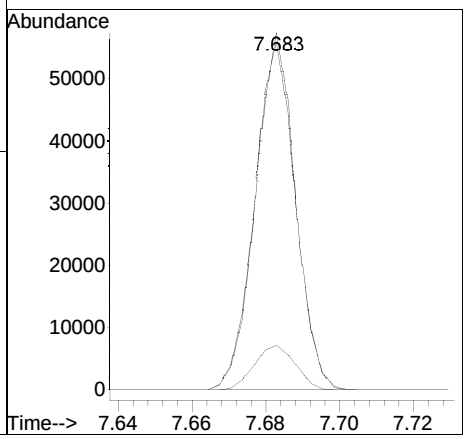


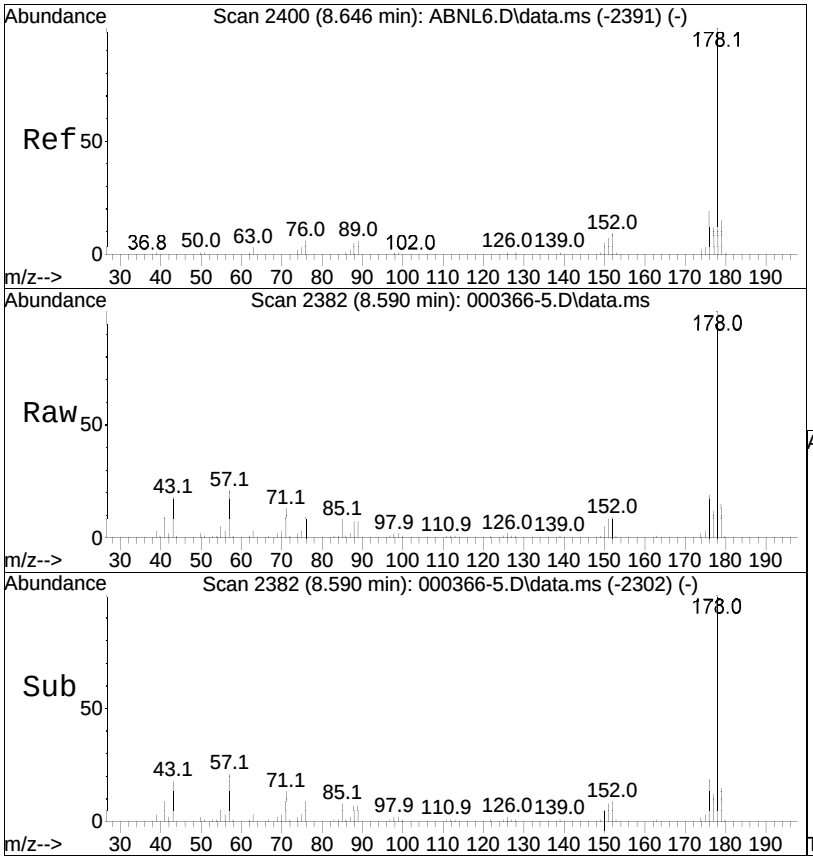


#75
Fluorene
Concen: 1.43 ug/ml
RT: 7.683 min Scan# 2090
Delta R.T. 0.000 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:166 Resp: 42348

Ion	Ratio	Lower	Upper
166	100		
165	101.7	76.2	114.2
167	13.0	10.6	15.8

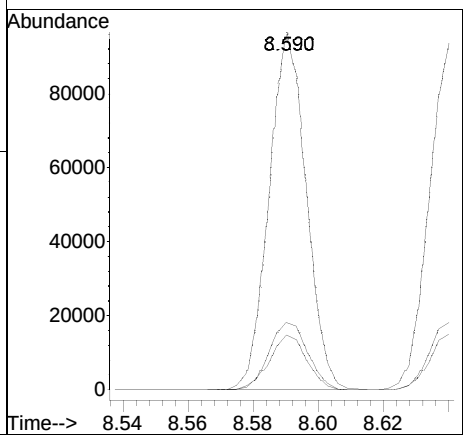


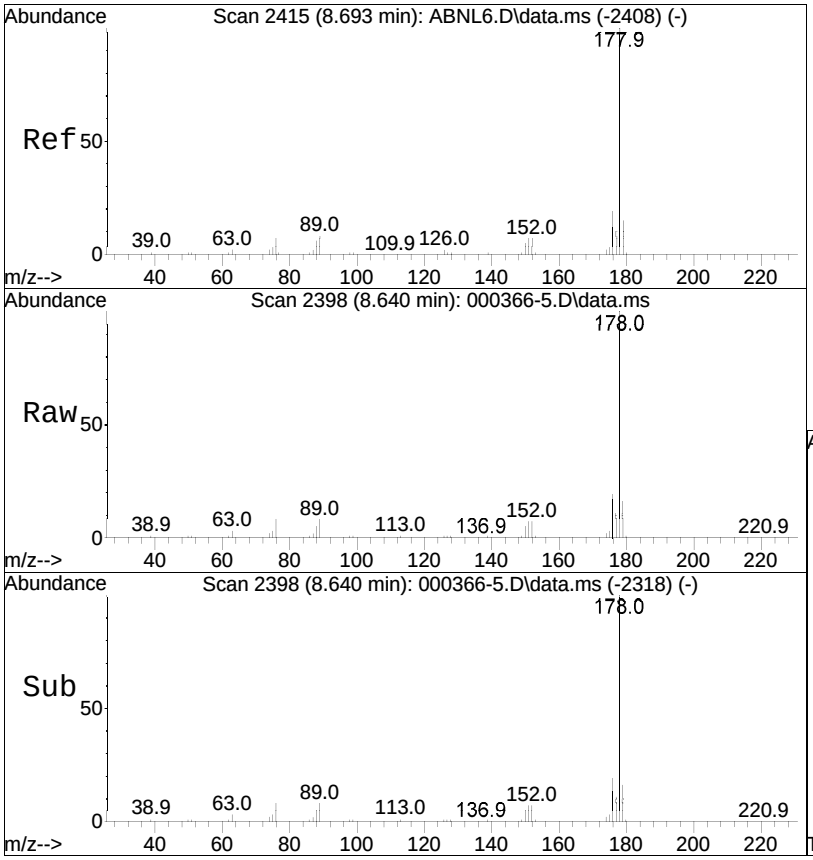


#91
Phenanthrene
Concen: 1.55 ug/ml
RT: 8.590 min Scan# 2382
Delta R.T. 0.000 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:178 Resp: 76419

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.2
176	19.8	15.4	23.2

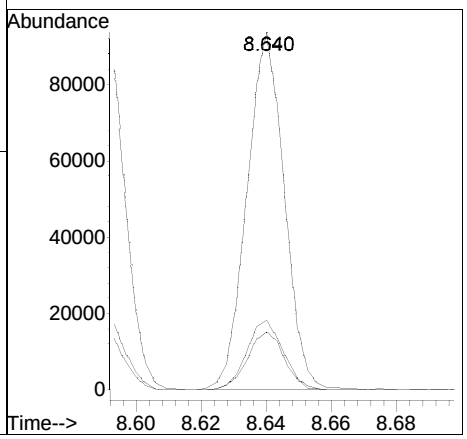


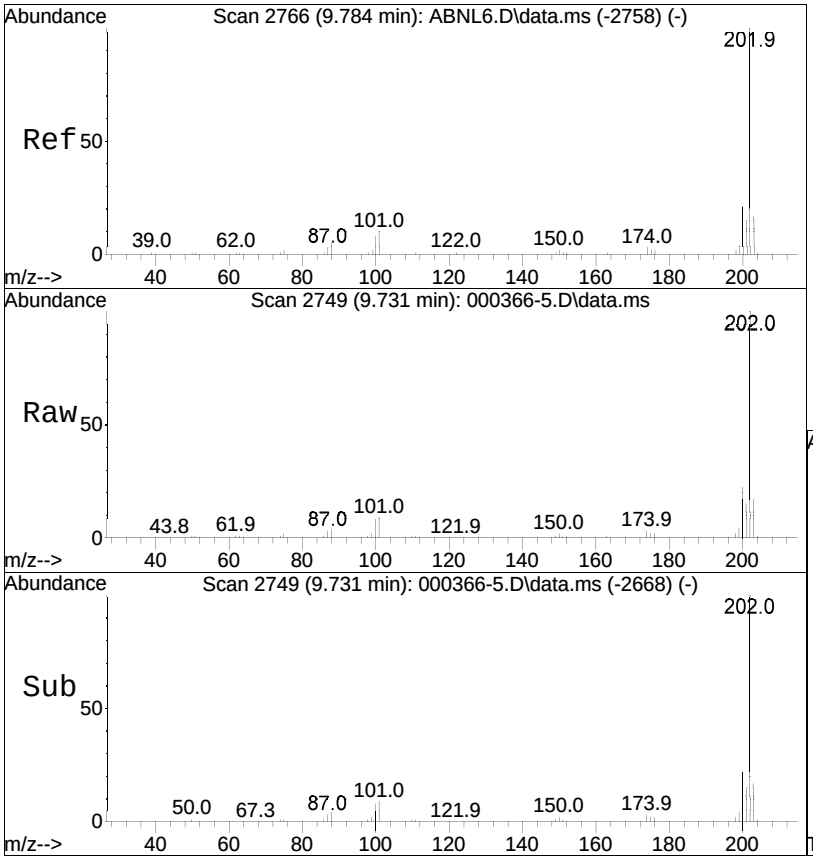


#92
Anthracene
Concen: 1.54 ug/ml
RT: 8.640 min Scan# 2398
Delta R.T. 0.000 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:178 Resp: 74323

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.0	18.0
176	19.1	14.6	22.0

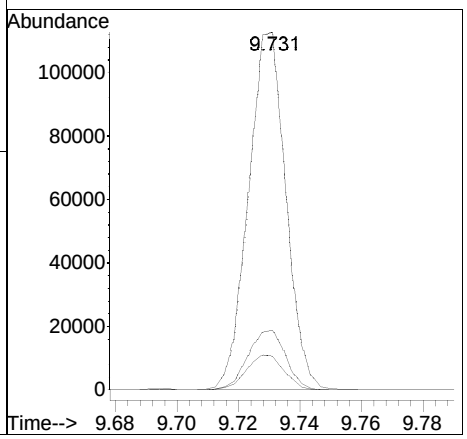


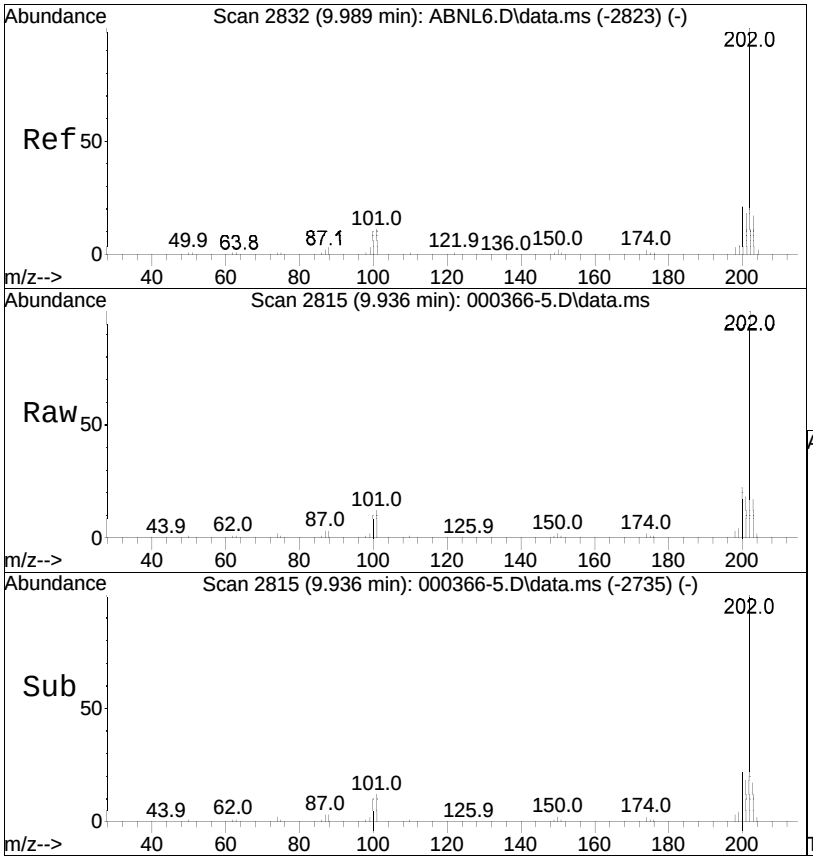


#95
Fluoranthene
Concen: 1.60 ug/ml
RT: 9.731 min Scan# 2749
Delta R.T. 0.003 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:202 Resp: 94508

Ion	Ratio	Lower	Upper
202	100		
101	10.0	13.5	20.3#
203	17.0	13.6	20.4

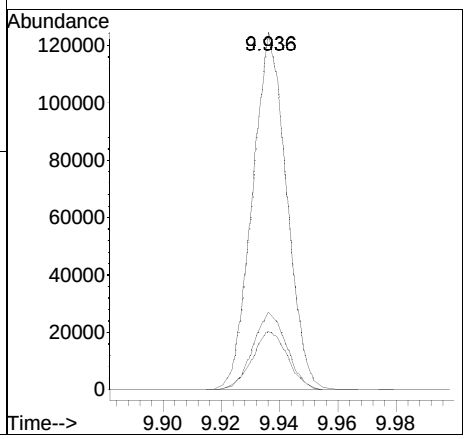


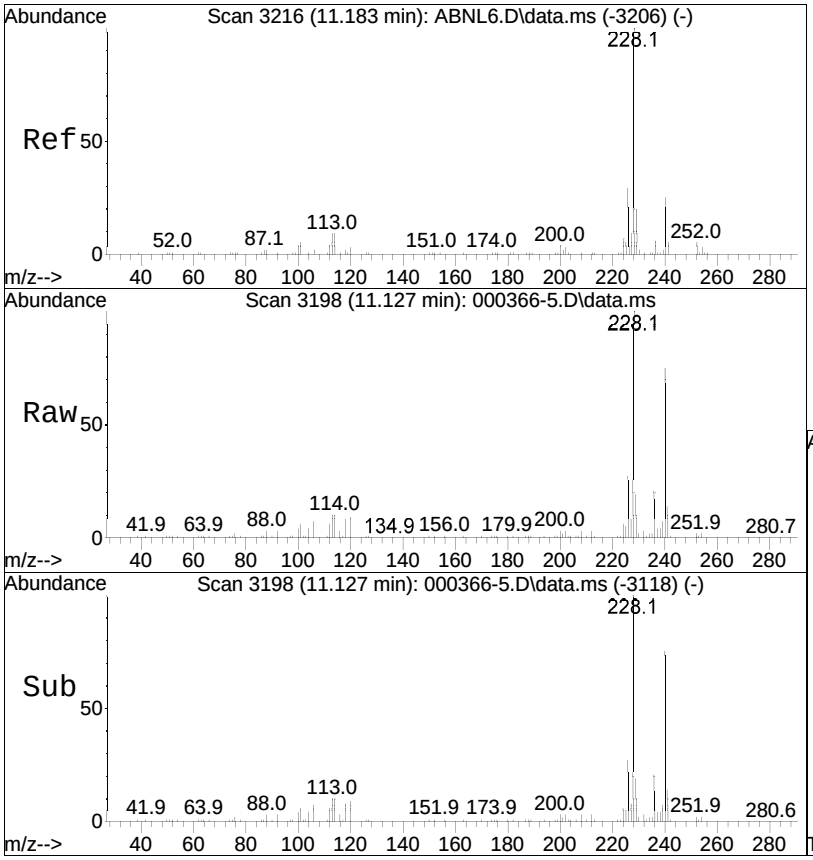


#97
Pyrene
Concen: 1.59 ug/ml
RT: 9.936 min Scan# 2815
Delta R.T. 0.000 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:202 Resp: 100562

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.7	25.1
203	17.1	14.2	21.4

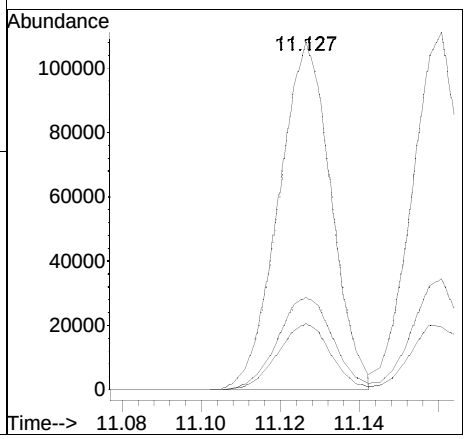


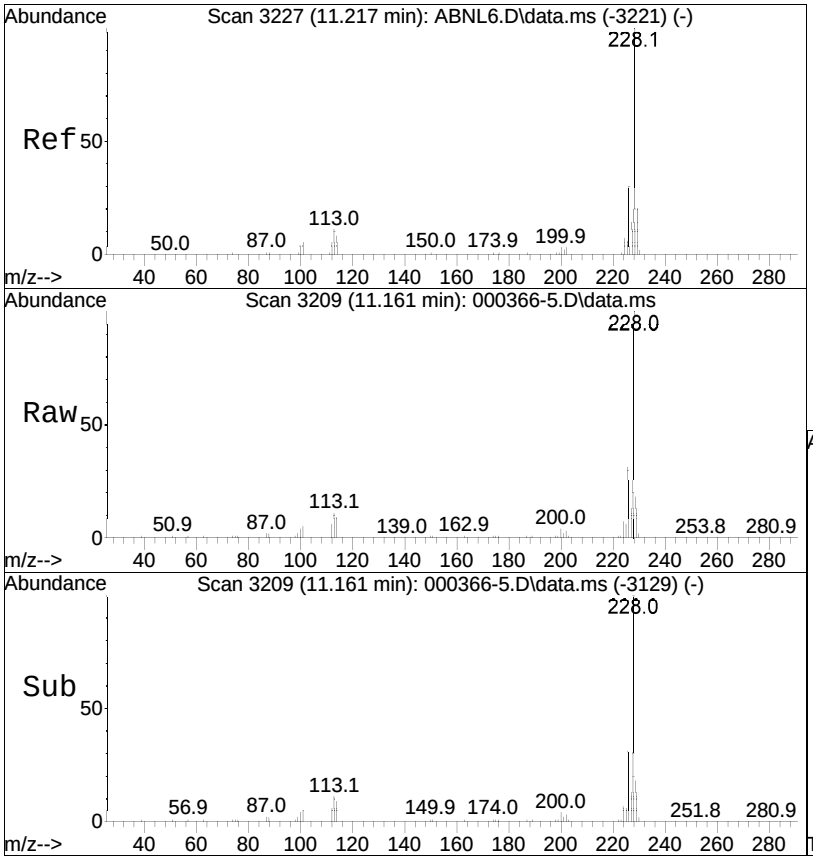


#107
Benzo(a)anthracene
Concen: 1.55 ug/ml
RT: 11.127 min Scan# 3198
Delta R.T. 0.000 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:228 Resp: 99714

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.4
229	19.2	15.6	23.4

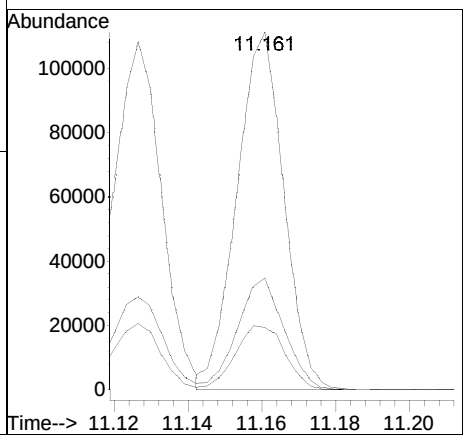


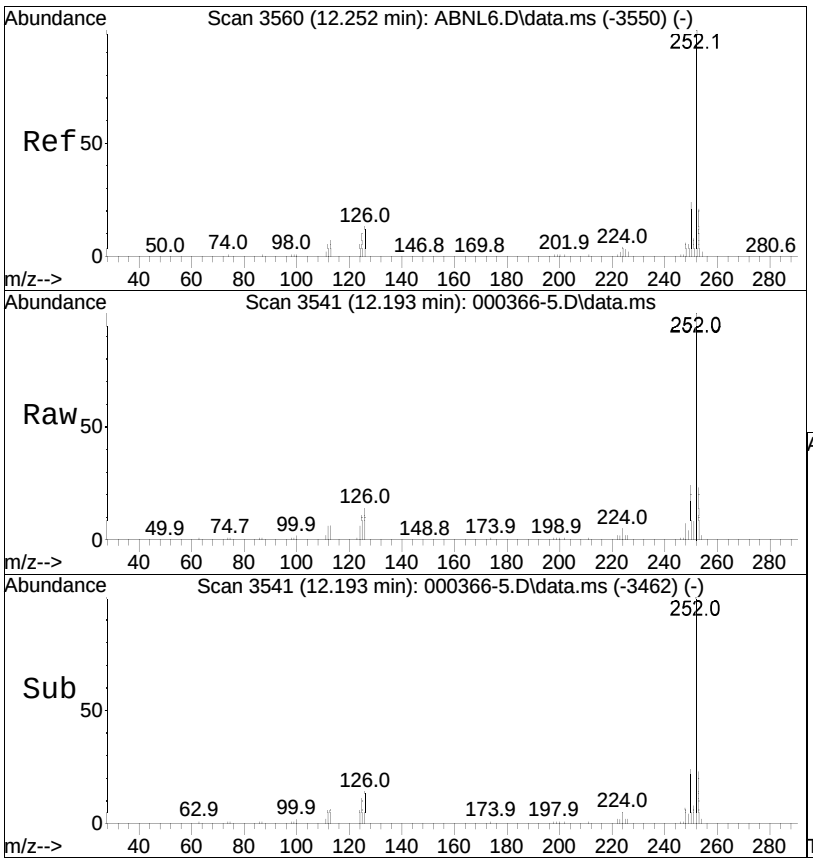


#109
Chrysene
Concen: 1.53 ug/ml
RT: 11.161 min Scan# 3209
Delta R.T. 0.000 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:228 Resp: 98109

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.0	36.0
229	19.2	15.8	23.8

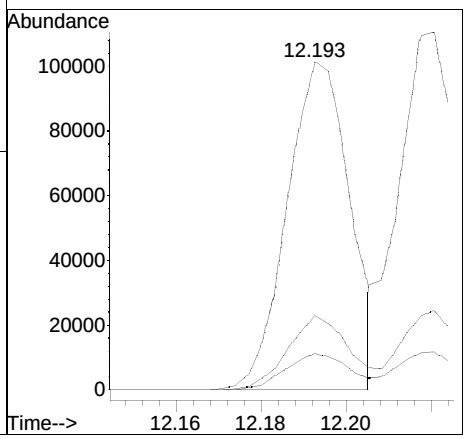


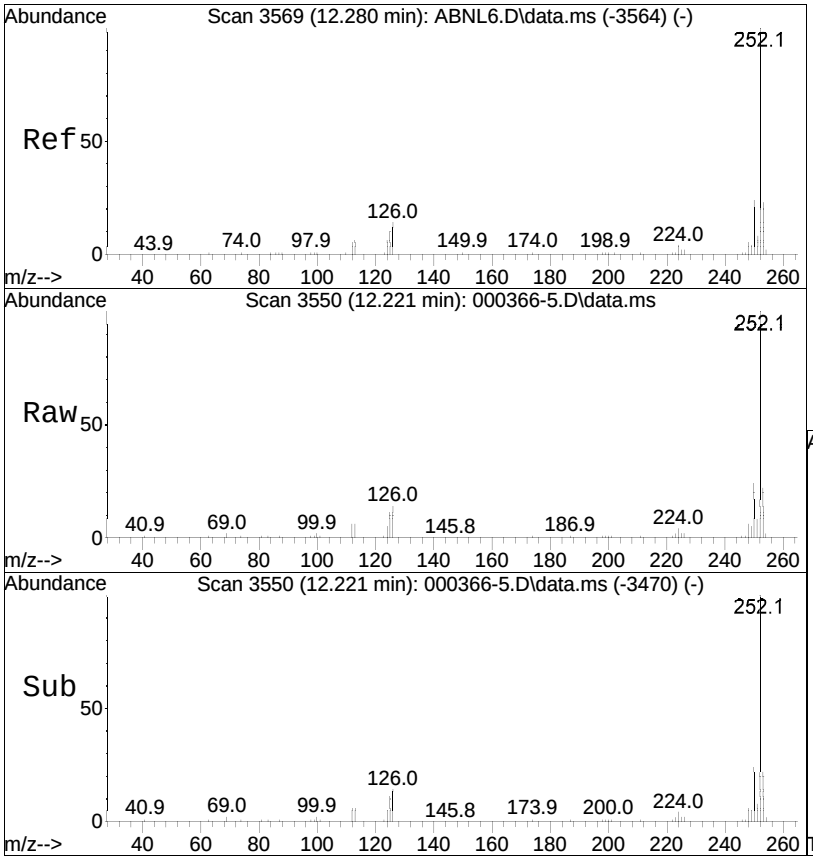


#112
Benzo(b)fluoranthene
Concen: 1.54 ug/ml
RT: 12.193 min Scan# 3541
Delta R.T. -0.003 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:252 Resp: 103599

Ion	Ratio	Lower	Upper
252	100		
125	11.2	13.3	19.9#
253	22.8	17.1	25.7

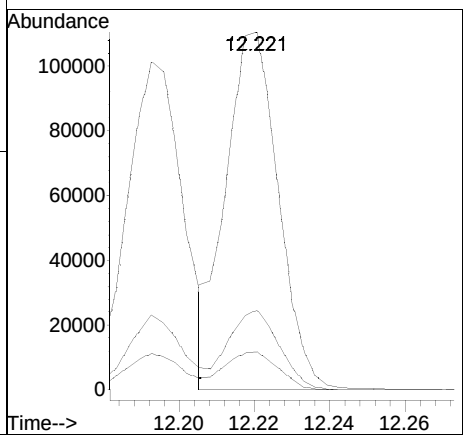


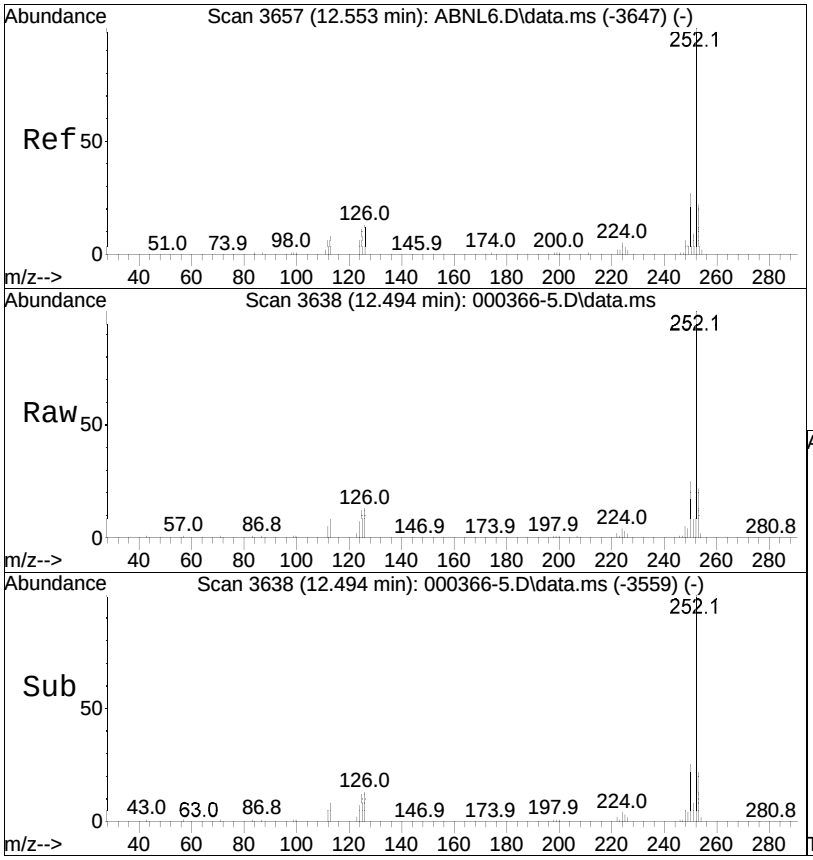


#113
Benzo(k)fluoranthene
Concen: 1.65 ug/ml M1
RT: 12.221 min Scan# 3550
Delta R.T. 0.000 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:252 Resp: 108255

Ion	Ratio	Lower	Upper
252	100		
125	14.4	13.0	19.6
253	19.5	16.8	25.2

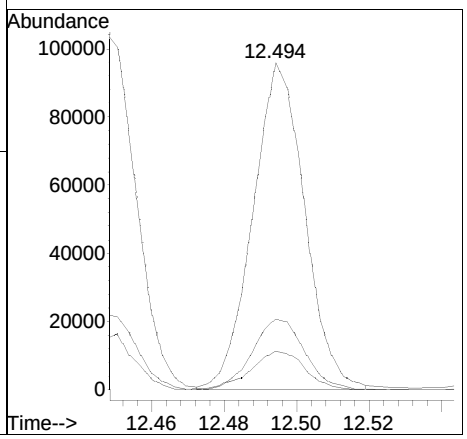


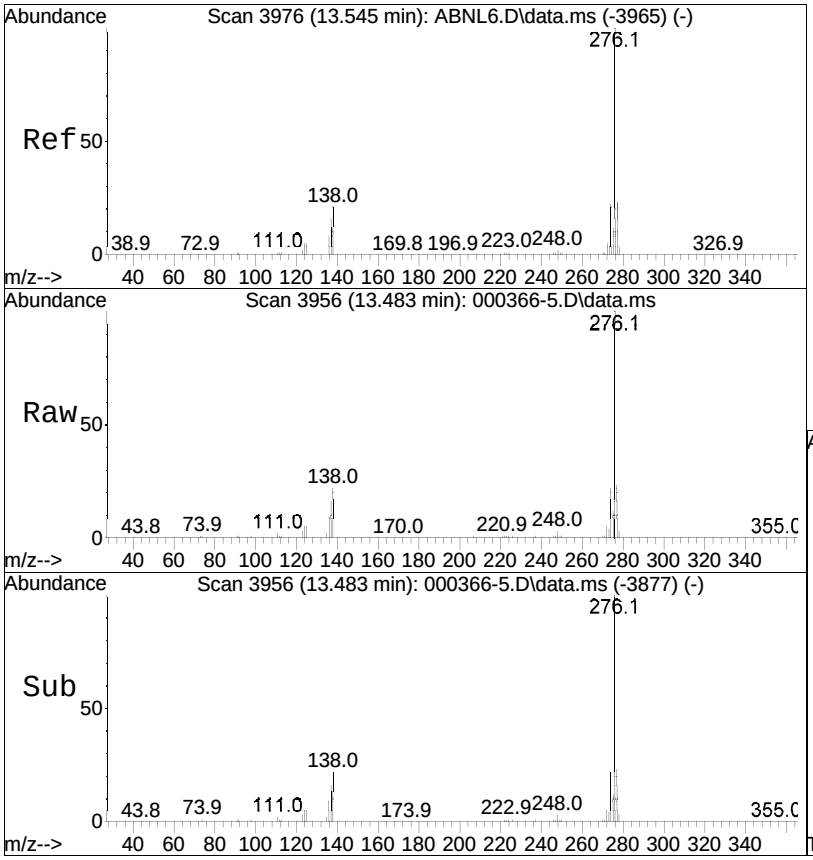


#114
Benzo(a)pyrene
Concen: 1.58 ug/ml M3
RT: 12.494 min Scan# 3638
Delta R.T. -0.003 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:252 Resp: 94763

Ion	Ratio	Lower	Upper
252	100		
125	17.4	14.2	21.2
253	24.0	16.9	25.3

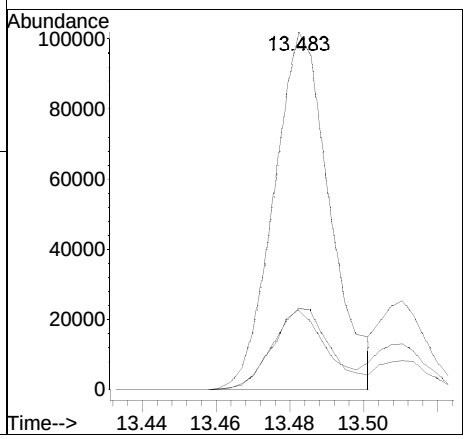


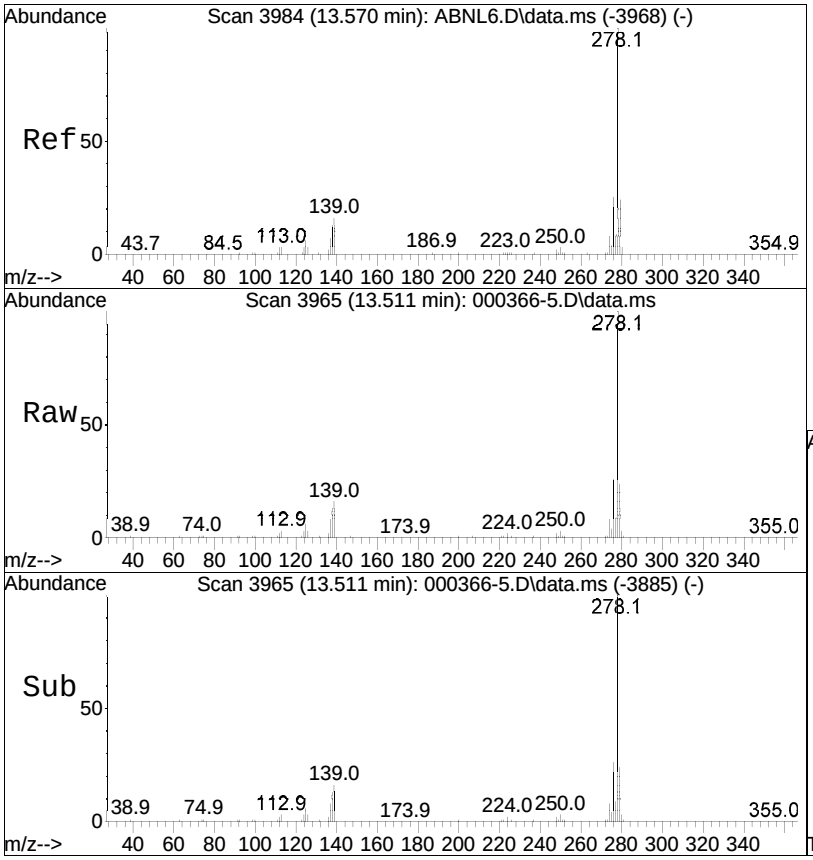


#116
Indeno(1,2,3-cd)pyrene
Concen: 1.57 ug/mL
RT: 13.483 min Scan# 3956
Delta R.T. -0.003 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:276 Resp: 106929

Ion	Ratio	Lower	Upper
276	100		
138	22.2	25.1	37.7#
277	24.0	18.6	28.0

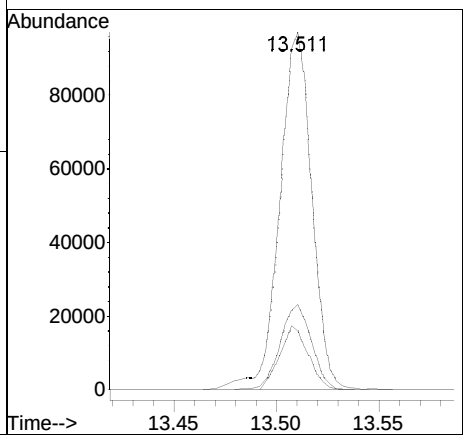


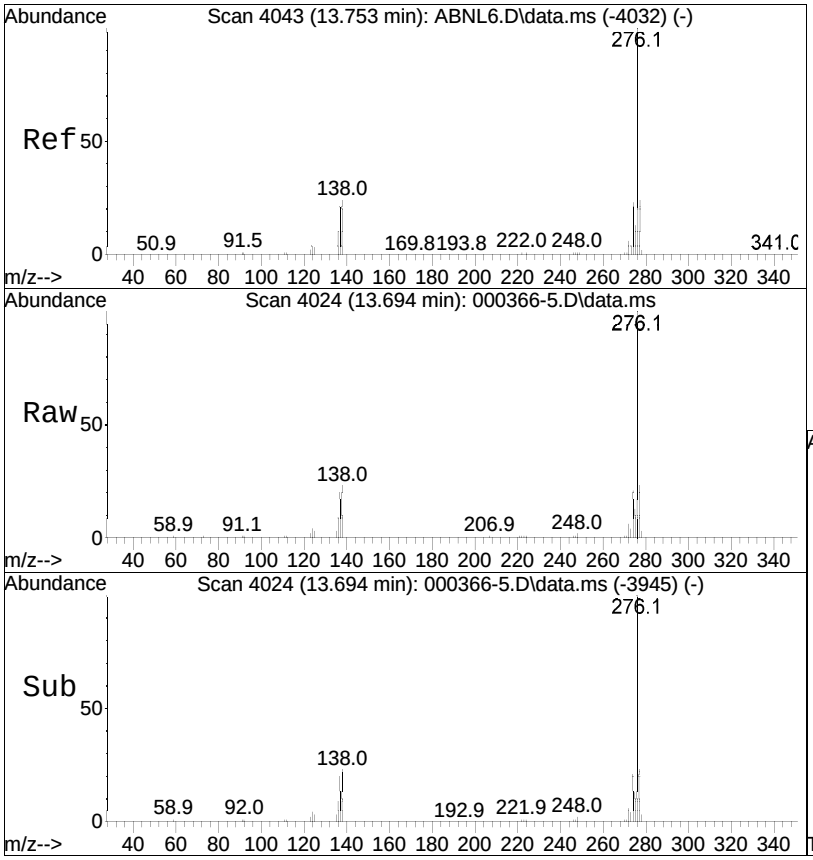


#117
Dibenzo(a,h)anthracene
Concen: 1.56 ug/ml
RT: 13.511 min Scan# 3965
Delta R.T. 0.000 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:278 Resp: 104955

Ion	Ratio	Lower	Upper
278	100		
139	16.1	20.8	31.2#
279	23.5	18.3	27.5

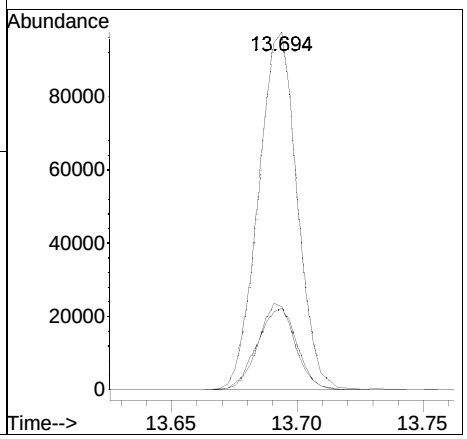




#118
Benzo(ghi)perylene
Concen: 1.57 ug/ml
RT: 13.694 min Scan# 4024
Delta R.T. -0.003 min
Lab File: 000366-5.D
Acq: 22 Nov 2024 1:58 am

Tgt Ion:276 Resp: 103543

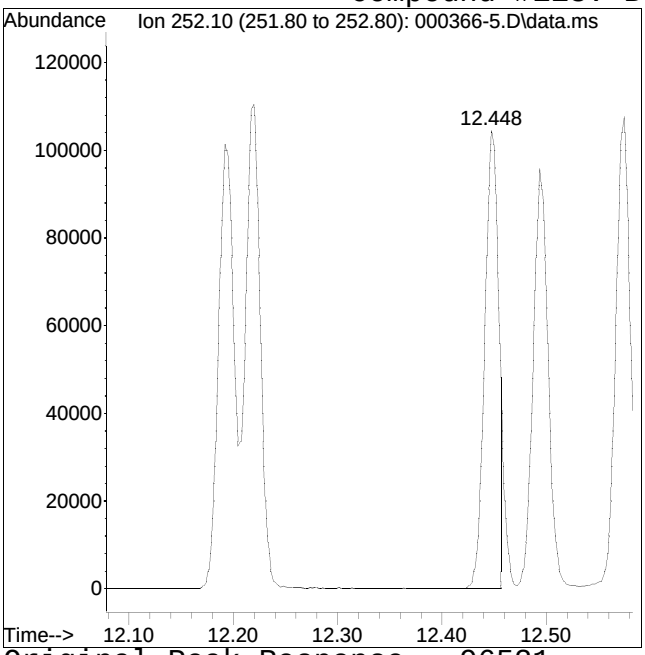
Ion	Ratio	Lower	Upper
276	100		
138	23.7	29.2	43.8#
277	23.2	18.8	28.2



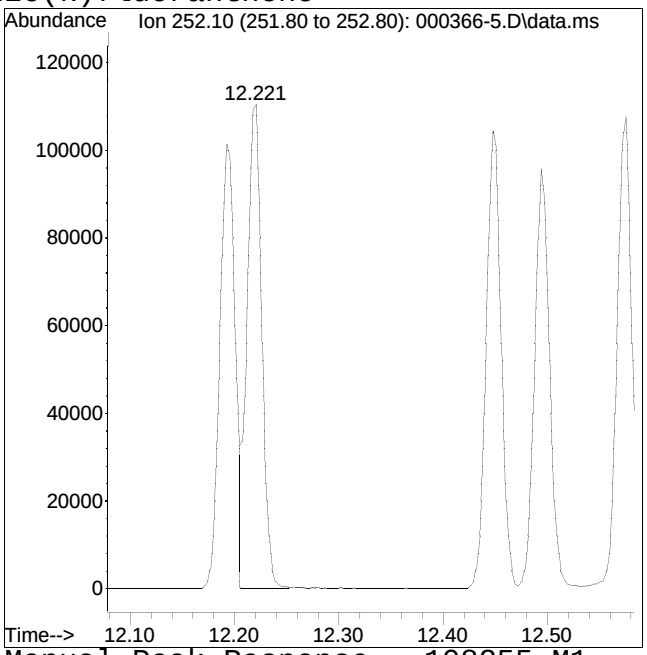
Manual Integration Report

Data Path : I:\8270\Dakota\241121RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 000366-5.D Operator : Dakota:smz
Date Inj'd : 11/22/2024 1:58 am Instrument : Dakota
Sample : WG2000366-5,32,,ASK Quant Date : 11/22/2024 2:17 am

Compound #113: Benzo(k)fluoranthene



Original Peak Response = 96521



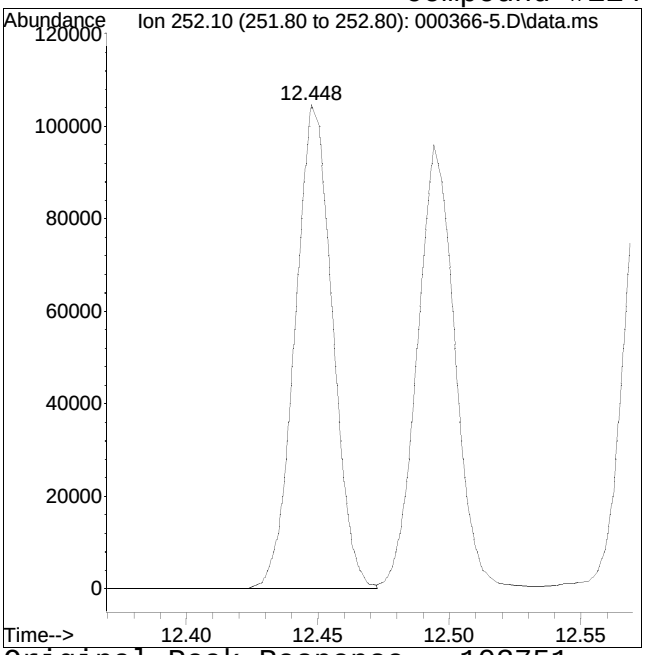
Manual Peak Response = 108255 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

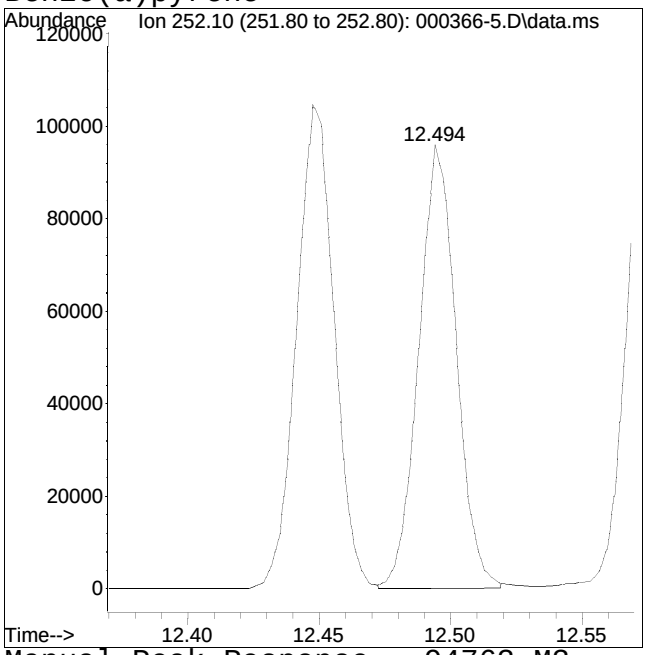
Manual Integration Report

Data Path : I:\8270\Dakota\241121RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 000366-5.D Operator : Dakota:smz
Date Inj'd : 11/22/2024 1:58 am Instrument : Dakota
Sample : WG2000366-5,32,,ASK Quant Date : 11/22/2024 2:17 am

Compound #114: Benzo(a)pyrene



Original Peak Response = 103751



Manual Peak Response = 94763 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241121RVT\
Data File : 999910-7.D
Acq On : 22 Nov 2024 05:40 am
Operator : SV112:ek
Sample : WG1999910-7,32,,ASK
Misc : WG2000769,WG1999910,ical21241
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 23 08:31:35 2024
Quant Method : I:\8270\SV112\241121RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 22:29:10 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241121RVT\ABN1121.D
: 2 - I:\8270\SV112\241121RVT\ADP1121.D
: 3 - I:\8270\SV112\241121RVT\AP91121.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.752	152	17798	4.000	ug/ml		0.00
Standard Area 1 = 16934			Recovery =	105.10%			
27) IS2_1,4-Dichlorobenzen...	4.752	152	17798	4.000	ug/ml		0.00
Standard Area 3 = 20058			Recovery =	88.73%			
32) IS3_1,4-Dichlorobenzen...	4.752	152	17798	4.000	ug/ml		0.00
Standard Area 2 = 21747			Recovery =	81.84%			
35) IS1_Naphthalene-d8	5.981	136	64586	4.000	ug/ml		0.00
Standard Area 1 = 60469			Recovery =	106.81%			
55) IS2_Naphthalene-d8	5.981	136	64586	4.000	ug/ml		0.00
Standard Area 3 = 69118			Recovery =	93.44%			
63) IS1_Acenaphthene-d10	7.681	164	42794	4.000	ug/ml		0.00
Standard Area 1 = 38649			Recovery =	110.72%			
83) IS2_Acenaphthene-d10	7.681	164	42794	4.000	ug/ml		0.00
Standard Area 3 = 39091			Recovery =	109.47%			
86) IS3_Acenaphthene-d10	7.681	164	42794	4.000	ug/ml		0.00
Standard Area 2 = 45002			Recovery =	95.09%			
88) IS1_Phenanthrene-d10	9.110	188	86901	4.000	ug/ml	#	0.00
Standard Area 1 = 82340			Recovery =	105.54%			
100) IS3_Phenanthrene-d10	9.110	188	86901	4.000	ug/ml	#	0.00
Standard Area 2 = 97282			Recovery =	89.33%			
104) IS1_Chrysene-d12	11.745	240	99576	4.000	ug/ml	#	0.00
Standard Area 1 = 83939			Recovery =	118.63%			
113) IS1_Perylene-d12	13.210	264	112094	4.000	ug/ml		0.00
Standard Area 1 = 98513			Recovery =	113.79%			
System Monitoring Compounds							
4) 2-Fluorophenol	3.493	112	4038	0.864	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	43.20%			
7) Phenol-d6	4.428	99	3641	0.603	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	30.15%			
19) Nitrobenzene-d5	5.293	82	2798	0.486	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	48.60%			
46) 2-Fluorobiphenyl	7.051	172	8194	0.561	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	56.10%			
79) 2,4,6-Tribromophenol	8.445	330	3207	1.167	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	58.35%			
96) 4-Terphenyl-d14	10.687	244	13267	0.594	ug/ml		0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241121RVT\
Data File : 999910-7.D
Acq On : 22 Nov 2024 05:40 am
Operator : SV112:ek
Sample : WG1999910-7,32,,ASK
Misc : WG2000769,WG1999910,ical21241
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 23 08:31:35 2024
Quant Method : I:\8270\SV112\241121RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 22:29:10 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241121RVT\ABN1121.D
: 2 - I:\8270\SV112\241121RVT\ADP1121.D
: 3 - I:\8270\SV112\241121RVT\AP91121.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Spiked Amount 1.000	Range 30 - 130		Recovery = 59.40%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.146	74	2518	0.861	ug/ml#	78
3) Pyridine	2.234	79	1308M1	0.282	ug/ml	
5) Aniline	4.440	93	2589	0.321	ug/ml#	1
6) 2-Chlorophenol	4.546	128	6886	1.237	ug/ml	92
8) Phenol	4.440	94	4854	0.692	ug/ml#	82
9) Bis(2-chloroethyl)ether	4.516	93	5772	1.111	ug/ml	99
10) 1,3-Dichlorobenzene	4.693	146	5572	0.830	ug/ml	92
11) 1,4-Dichlorobenzene	4.769	146	6193	0.884	ug/ml	96
12) 1,2-Dichlorobenzene	4.916	146	5818	0.886	ug/ml	89
13) Benzyl alcohol	4.899	79	5137	1.222	ug/ml	95
14) Bis(2-chloroisopropyl)...	5.040	45	9197	1.402	ug/ml#	77
15) 2-Methylphenol	5.028	108	5316	1.131	ug/ml	99
16) Hexachloroethane	5.240	117	1953	0.787	ug/ml#	44
17) n-Nitrosodi-n-propylamine	5.169	70	4021	1.044	ug/ml#	85
18) 3-Methylphenol/4-Methy...	5.181	108	5914	1.155	ug/ml	99
20) Nitrobenzene	5.310	77	6108	1.065	ug/ml	95
21) Isophorone	5.546	82	11660	1.126	ug/ml	95
22) 2-Nitrophenol	5.622	139	3555	1.391	ug/ml	93
23) 2,4-Dimethylphenol	5.693	107	3832	0.782	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.781	93	7953	1.141	ug/ml#	98
25) 2,4-Dichlorophenol	5.857	162	7284	1.420	ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.940	180	6110	0.941	ug/ml	93
28) Benzaldehyde	4.322	105	5470	1.124	ug/ml	100
29) Acetophenone	5.152	105	10683	1.262	ug/ml#	89
33) 1,4-Dioxane	1.875	88	1563	0.747	ug/ml#	69
36) Naphthalene	6.004	128	17733	1.047	ug/ml	98
37) Benzoic Acid	5.740	105	2097	1.953	ug/ml#	89
38) 4-Chloroaniline	6.069	65	1600M3	0.841	ug/ml	
39) Hexachlorobutadiene	6.152	225	4220	1.063	ug/ml	97
40) p-Chloro-m-cresol	6.563	107	6354	1.421	ug/ml	92
41) 2-Methylnaphthalene	6.681	142	12780	1.110	ug/ml	96
42) 1-Methylnaphthalene	6.775	115	4171	1.053	ug/ml	88
43) Hexachlorocyclopentadiene	6.851	237	1950	0.481	ug/ml#	94
44) 2,4,6-Trichlorophenol	6.963	196	6562	1.585	ug/ml	97
45) 2,4,5-Trichlorophenol	6.993	196	6751M3	1.593	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241121RVT\
Data File : 999910-7.D
Acq On : 22 Nov 2024 05:40 am
Operator : SV112:ek
Sample : WG1999910-7,32,,ASK
Misc : WG2000769,WG1999910,ical21241
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 23 08:31:35 2024
Quant Method : I:\8270\SV112\241121RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 22:29:10 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241121RVT\ABN1121.D
: 2 - I:\8270\SV112\241121RVT\ADP1121.D
: 3 - I:\8270\SV112\241121RVT\AP91121.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	7.146	162	14597	1.192	ug/ml	97
48) 2-Nitroaniline	7.251	138	5241	1.619	ug/ml	86
51) Dimethyl phthalate	7.451	163	19694	1.322	ug/ml	99
52) Acenaphthylene	7.540	152	22024	1.218	ug/ml	97
53) 2,6-Dinitrotoluene	7.493	165	4267	1.531	ug/ml#	77
56) a-Terpineol	6.034	59	5939	1.327	ug/ml	95
60) Caprolactam	6.369	55	1303	0.908	ug/ml#	85
61) 1,2,4,5-Tetrachloroben...	6.846	216	8316	1.075	ug/ml	91
62) Biphenyl	7.140	154	18346	1.107	ug/ml	98
64) 3-Nitroaniline	7.651	138	4618	1.445	ug/ml#	88
65) Acenaphthene	7.716	154	13654	1.145	ug/ml	96
66) 2,4-Dinitrophenol	7.751	184	2403	1.676	ug/ml#	76
67) Dibenzofuran	7.881	168	23386	1.190	ug/ml	91
68) 2,4-Dinitrotoluene	7.881	165	6040	1.473	ug/ml#	77
69) 4-Nitrophenol	7.834	65	2233	0.721	ug/ml	83
71) 2,3,4,6-Tetrachlorophenol	8.010	232	6718	1.697	ug/ml	94
72) Diethyl phthalate	8.140	149	19637	1.235	ug/ml	95
73) Fluorene	8.210	166	18493	1.208	ug/ml	95
74) 4-Chlorophenyl phenyl ...	8.228	204	9797	1.175	ug/ml#	83
75) 4-Nitroaniline	8.234	138	5166	1.536	ug/ml	86
76) 4,6-Dinitro-o-cresol	8.275	198	3645	1.555	ug/ml#	71
77) NDPA/DPA	8.345	169	16105	1.223	ug/ml	98
78) Azobenzene	8.381	77	15164	1.086	ug/ml#	90
80) 4-Bromophenyl phenyl e...	8.698	248	6216	1.163	ug/ml#	81
81) Hexachlorobenzene	8.751	284	7479	1.114	ug/ml#	85
82) Pentachlorophenol	8.945	266	4951	1.436	ug/ml	98
85) Pentachloronitrobenzene	8.957	237	3739	1.489	ug/ml#	68
87) Atrazine	8.881	200	5791	1.227	ug/ml	98
89) Phenanthrene	9.134	178	30690	1.335	ug/ml	100
90) Anthracene	9.181	178	31141	1.385	ug/ml	99
91) Carbazole	9.351	167	28835	1.400	ug/ml	99
92) Di-n-butylphthalate	9.734	149	34825	1.550	ug/ml	99
93) Fluoranthene	10.287	202	38543	1.445	ug/ml#	95
94) Benzidine	0.000		0	N.D.		
95) Pyrene	10.504	202	42486	1.503	ug/ml	99
97) Butyl benzyl phthalate	11.210	149	15925	1.602	ug/ml#	86
102) Parathion	9.892	109	3416	1.878	ug/ml#	92
105) Benzo(a)anthracene	11.734	228	43238	1.352	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241121RVT\
Data File : 999910-7.D
Acq On : 22 Nov 2024 05:40 am
Operator : SV112:ek
Sample : WG1999910-7,32,,ASK
Misc : WG2000769,WG1999910,ical21241
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 23 08:31:35 2024
Quant Method : I:\8270\SV112\241121RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 22:29:10 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\241121RVT\ABN1121.D
: 2 - I:\8270\SV112\241121RVT\ADP1121.D
: 3 - I:\8270\SV112\241121RVT\AP91121.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106)	3,3'-Dichlorobenzidine	11.734	252	15550	1.335	ug/ml#	98
107)	Chrysene	11.769	228	42009	1.340	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.845	149	24283	1.527	ug/ml#	93
109)	Di-n-octylphthalate	12.522	149	41699	1.711	ug/ml	98
110)	Benzo(b)fluoranthene	12.839	252	45110	1.376	ug/ml#	94
111)	Benzo(k)fluoranthene	12.869	252	43903M3	1.467	ug/ml	
112)	Benzo(a)pyrene	13.151	252	41980M3	1.467	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	14.192	276	46776M6	1.492	ug/mL	
115)	Dibenzo(a,h)anthracene	14.216	278	44292	1.480	ug/ml#	91
116)	Benzo(ghi)perylene	14.451	276	42971	1.423	ug/ml#	92

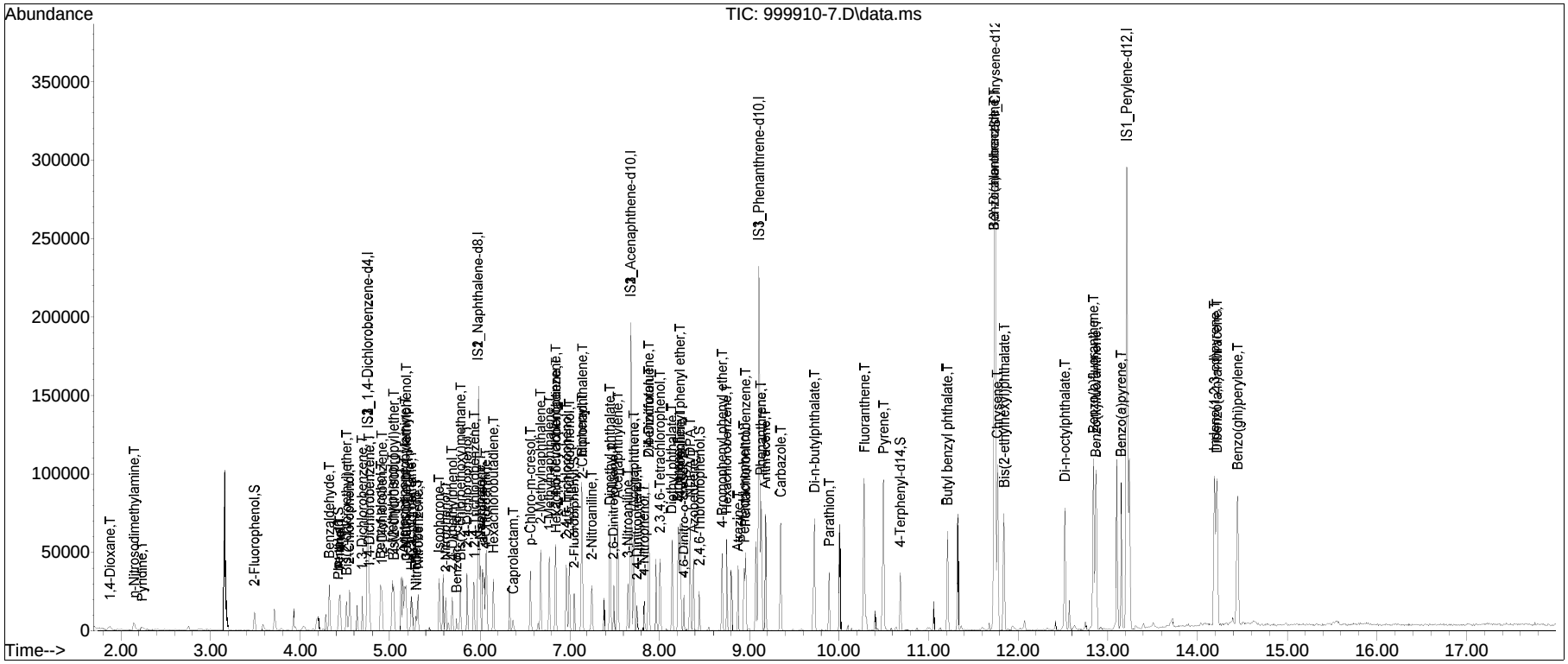
(#) = qualifier out of range (m) = manual integration (+) = signals summed

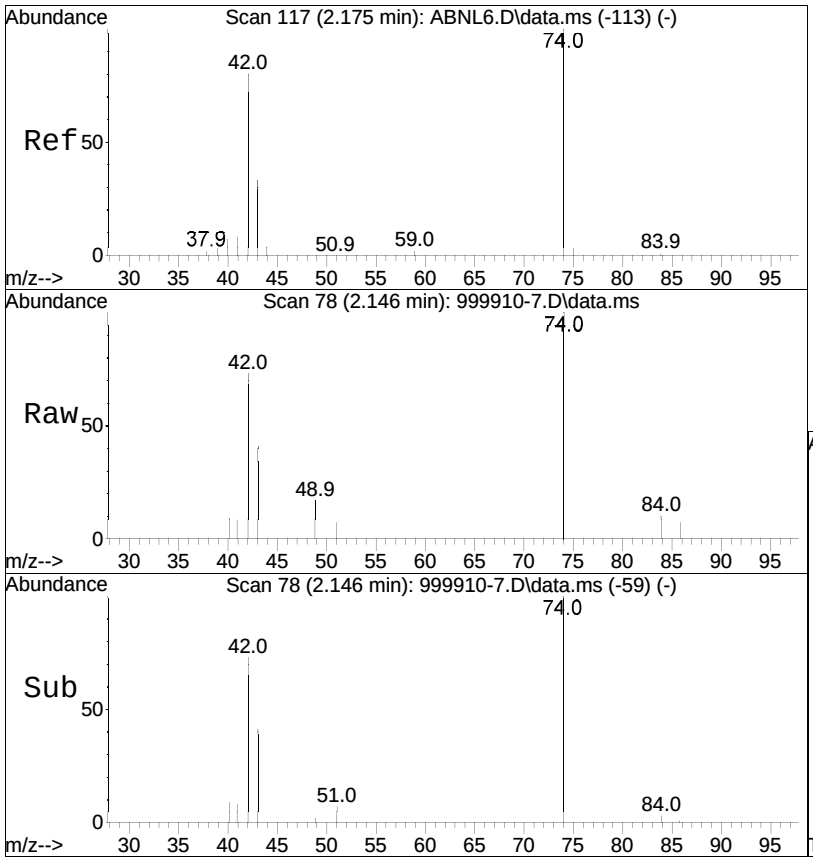
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\241121RVT\
Data File : 999910-7.D
Acq On : 22 Nov 2024 05:40 am
Operator : SV112:ek
Sample : WG1999910-7,32,,ASK
Misc : WG2000769,WG1999910,ical21241
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 23 08:31:35 2024
Quant Method : I:\8270\SV112\241121RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Nov 21 22:29:10 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP91121.D•

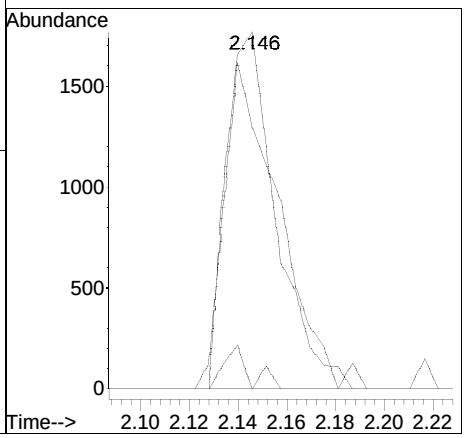


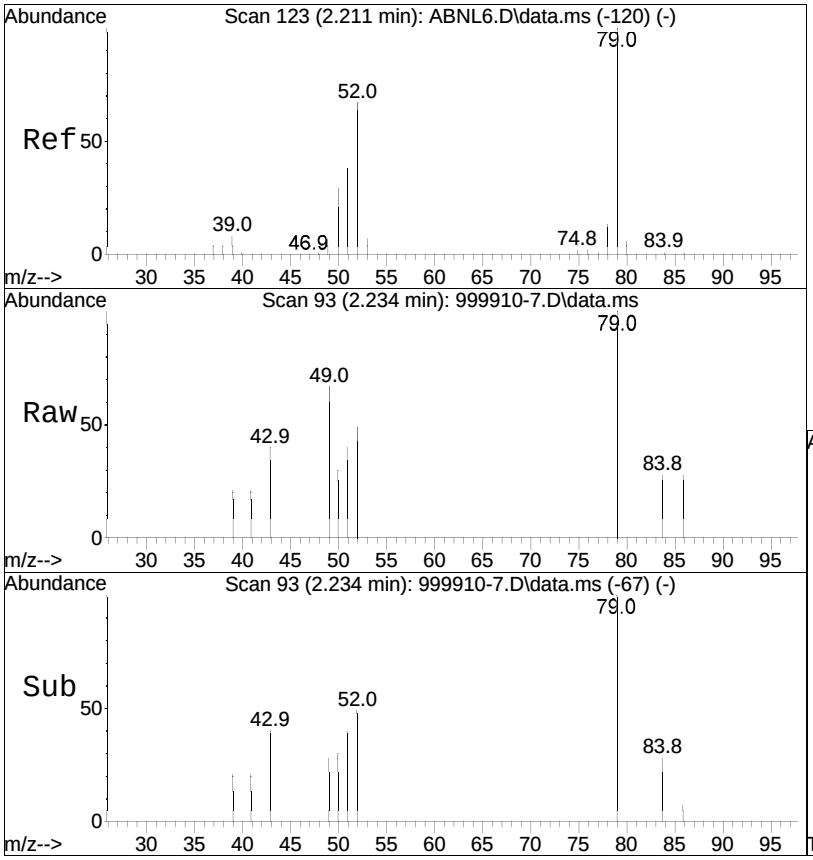


#2
n-Nitrosodimethylamine
Concen: 0.86 ug/ml
RT: 2.146 min Scan# 78
Delta R.T. 0.012 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 74 Resp: 2518

Ion	Ratio	Lower	Upper
74	100		
42	99.6	63.8	95.8#
44	0.0	4.3	6.5#

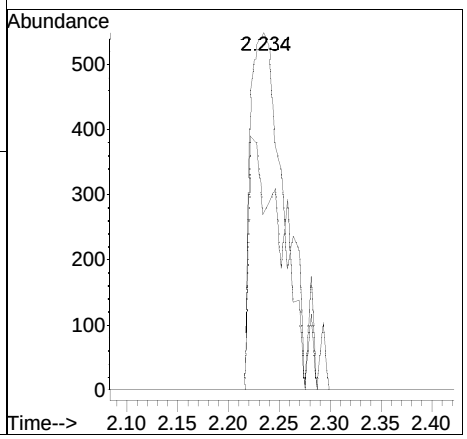


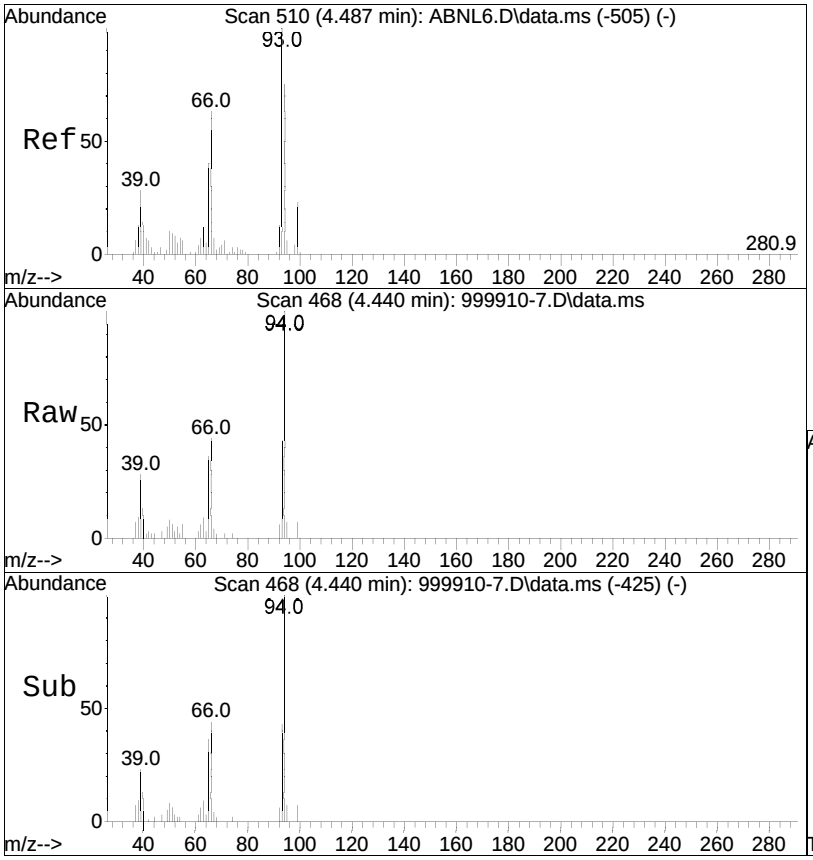


#3
Pyridine
Concen: 0.28 ug/ml M1
RT: 2.234 min Scan# 93
Delta R.T. 0.053 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 79 Resp: 1308

Ion	Ratio	Lower	Upper
79	100		
52	49.2	64.6	96.8#

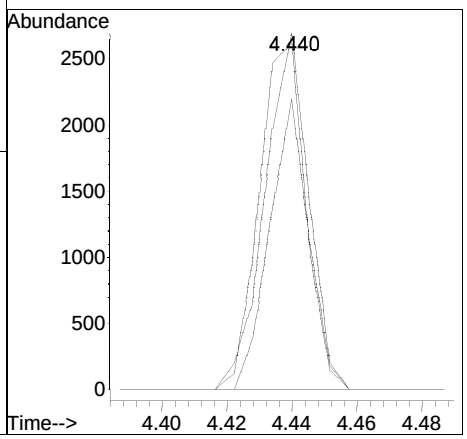


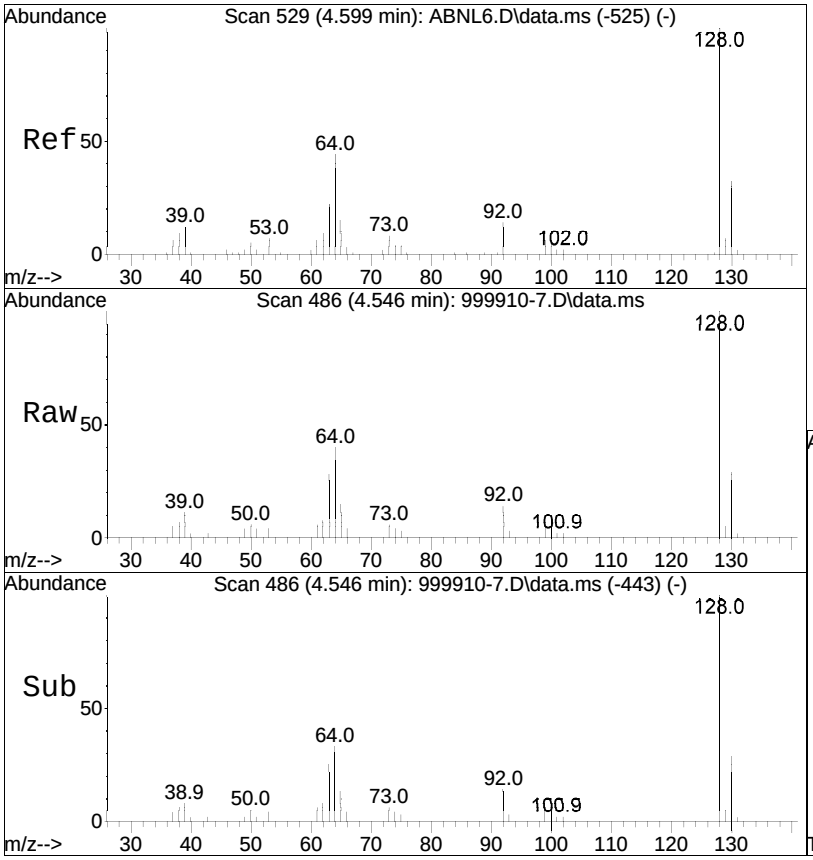


#5
Aniline
Concen: 0.32 ug/ml
RT: 4.440 min Scan# 468
Delta R.T. 0.006 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 93 Resp: 2589

Ion	Ratio	Lower	Upper
93	100		
66	96.7	31.3	46.9#
65	70.6	16.6	25.0#

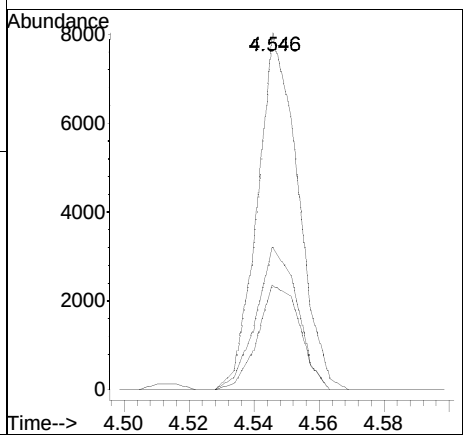


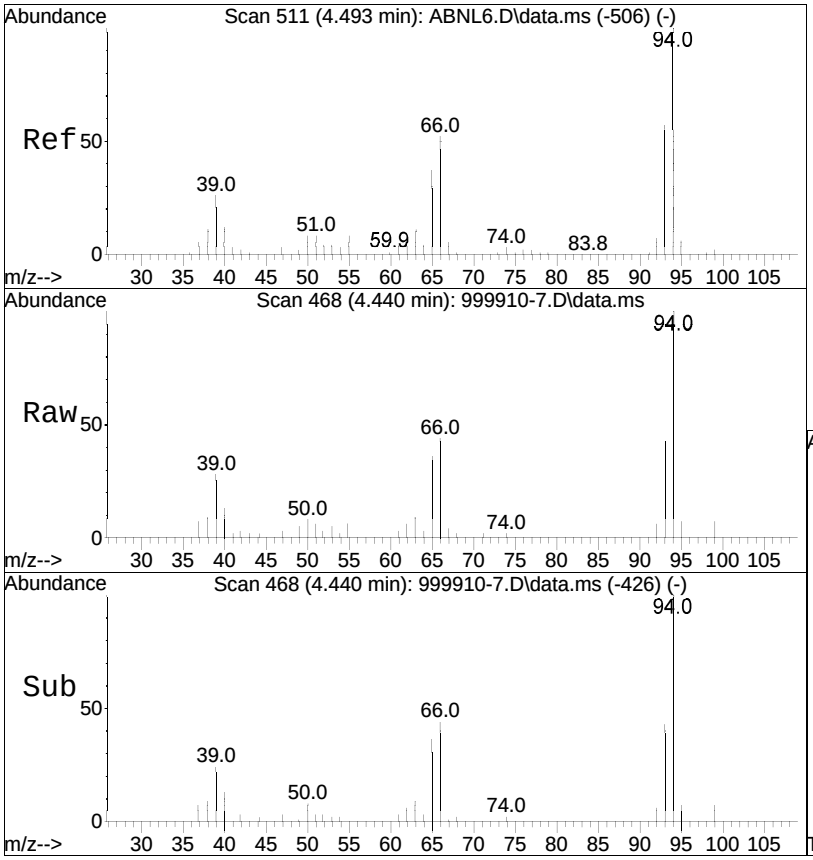


#6
2-Chlorophenol
Concen: 1.24 ug/ml
RT: 4.546 min Scan# 486
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:128 Resp: 6886

Ion	Ratio	Lower	Upper
128	100		
64	40.8	38.2	57.4
130	30.8	26.2	39.2

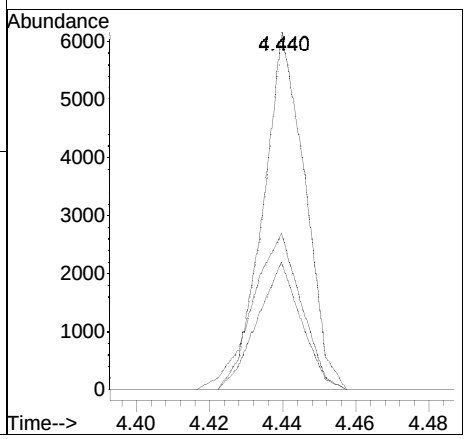


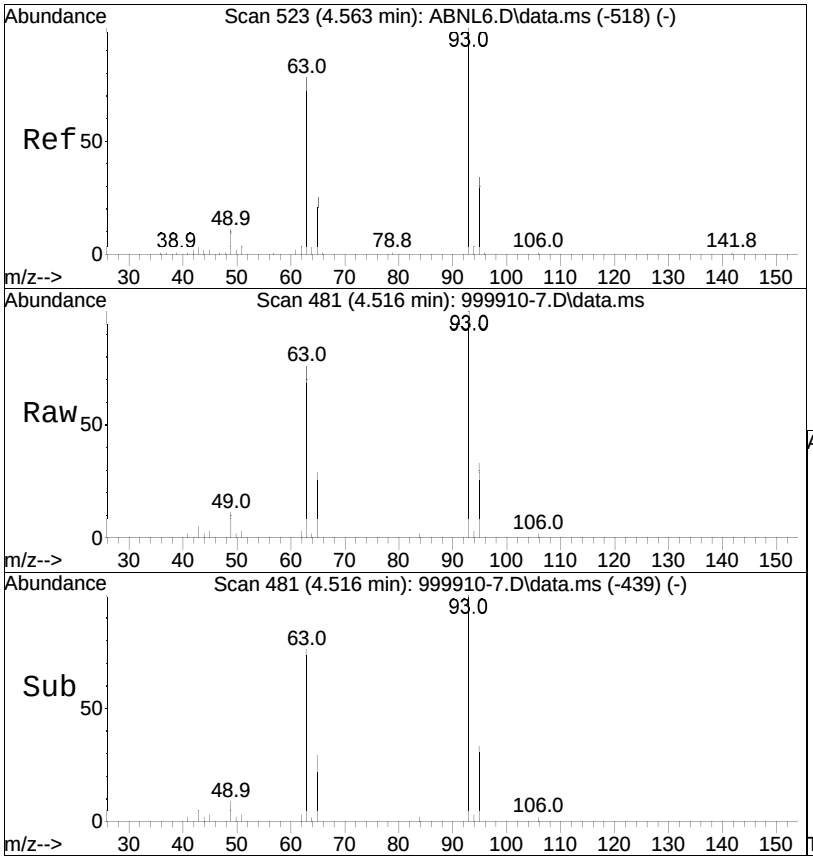


#8
Phenol
Concen: 0.69 ug/ml
RT: 4.440 min Scan# 468
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 94 Resp: 4854

Ion	Ratio	Lower	Upper
94	100		
65	37.7	23.0	34.6#
66	51.6	32.1	48.1#

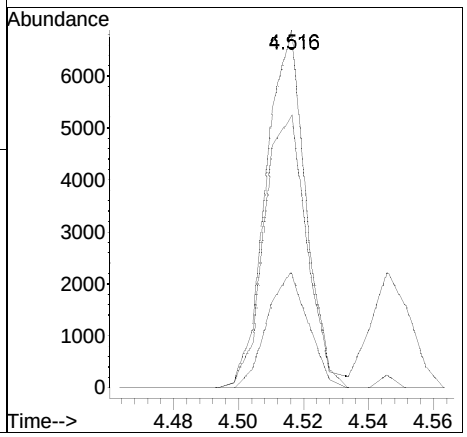


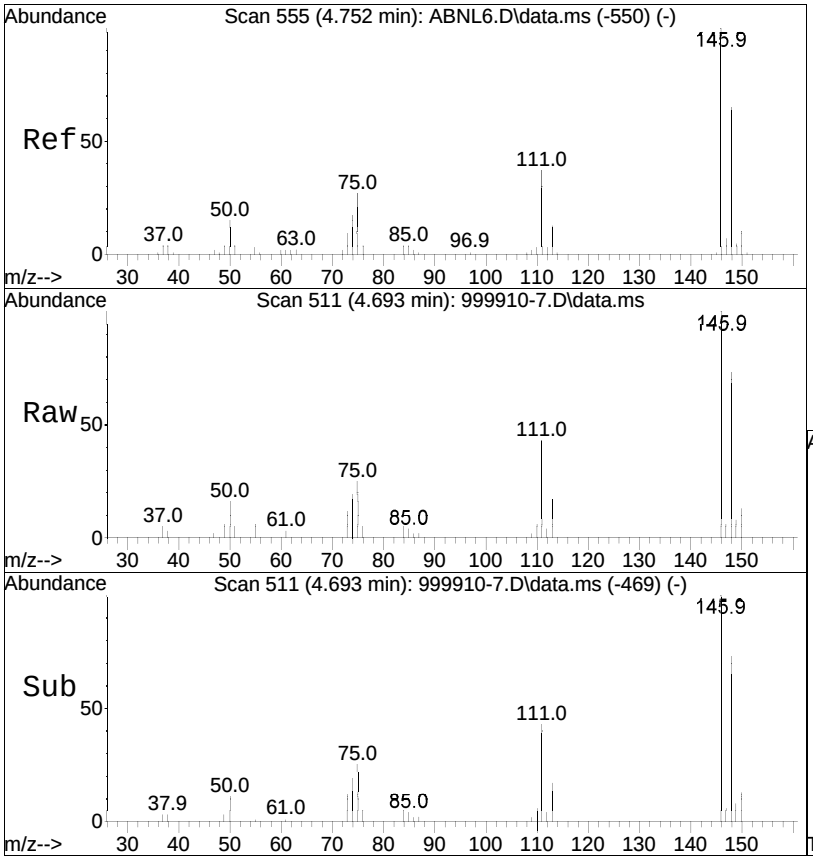


#9
Bis(2-chloroethyl)ether
Concen: 1.11 ug/ml
RT: 4.516 min Scan# 481
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 93 Resp: 5772

Ion	Ratio	Lower	Upper
93	100		
63	83.3	67.0	100.4
95	33.6	26.1	39.1

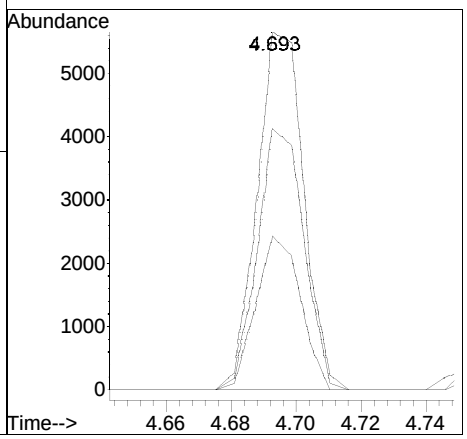


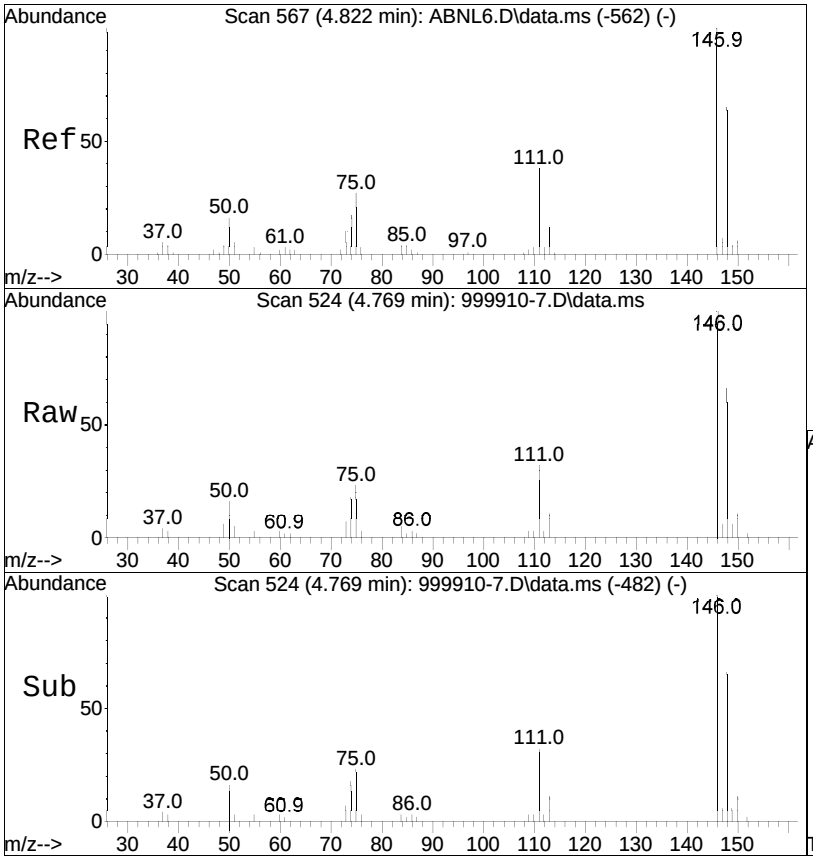


#10
1,3-Dichlorobenzene
Concen: 0.83 ug/ml
RT: 4.693 min Scan# 511
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:146 Resp: 5572

Ion	Ratio	Lower	Upper
146	100		
111	41.3	35.0	52.4
148	72.9	51.3	76.9

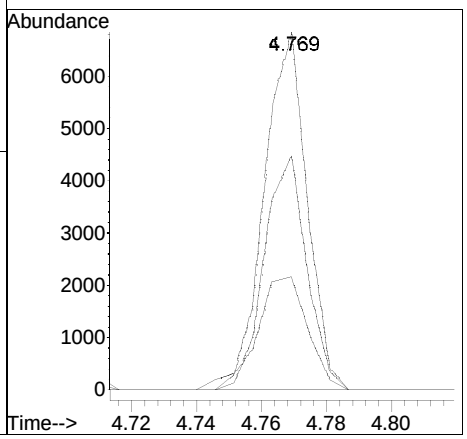


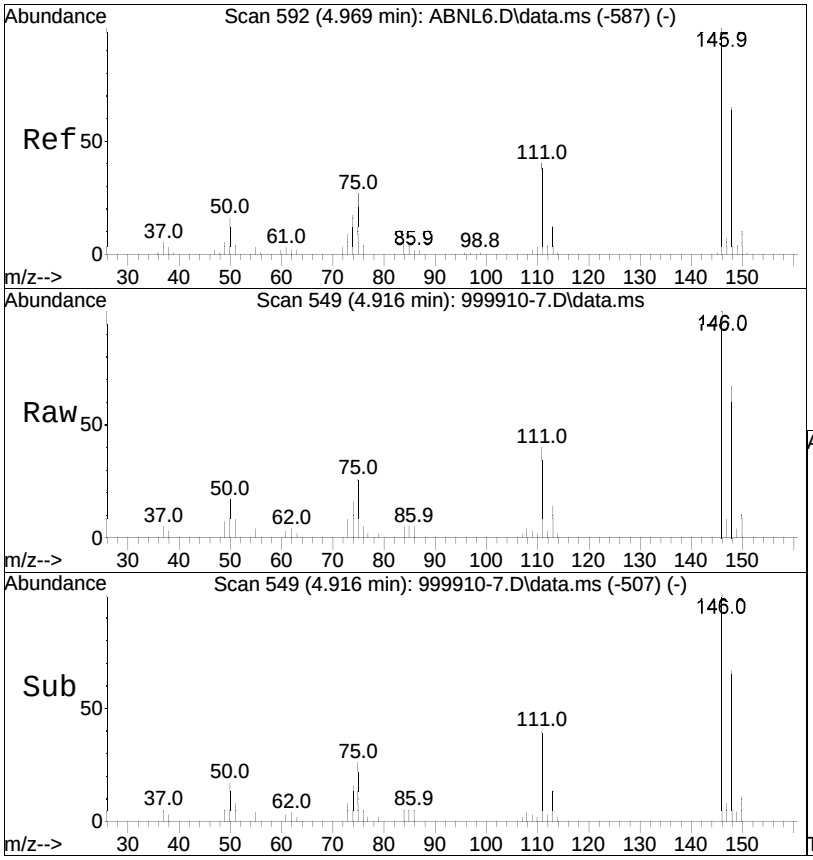


#11
1,4-Dichlorobenzene
Concen: 0.88 ug/ml
RT: 4.769 min Scan# 524
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:146 Resp: 6193

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.1	76.7
111	38.3	34.4	51.6

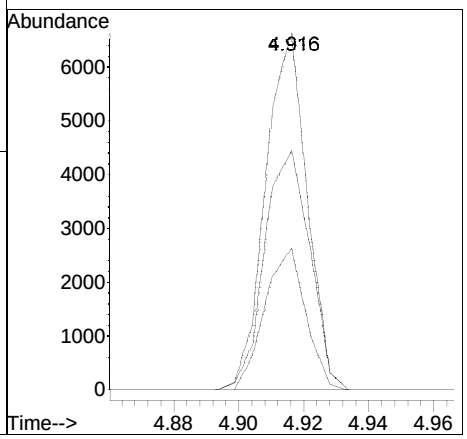


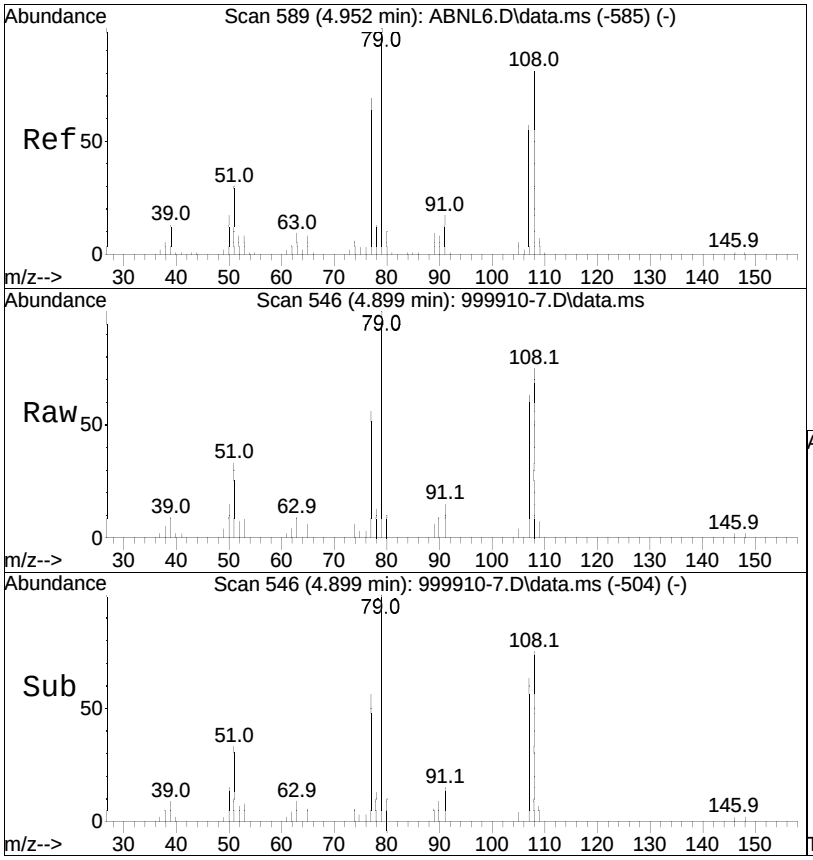


#12
1,2-Dichlorobenzene
Concen: 0.89 ug/ml
RT: 4.916 min Scan# 549
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:146 Resp: 5818

Ion	Ratio	Lower	Upper
146	100		
111	39.4	35.5	53.3
148	73.3	50.6	76.0

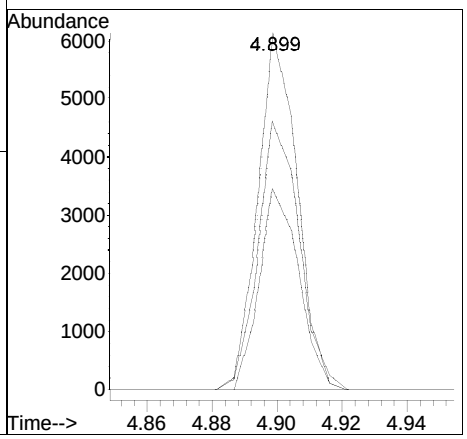


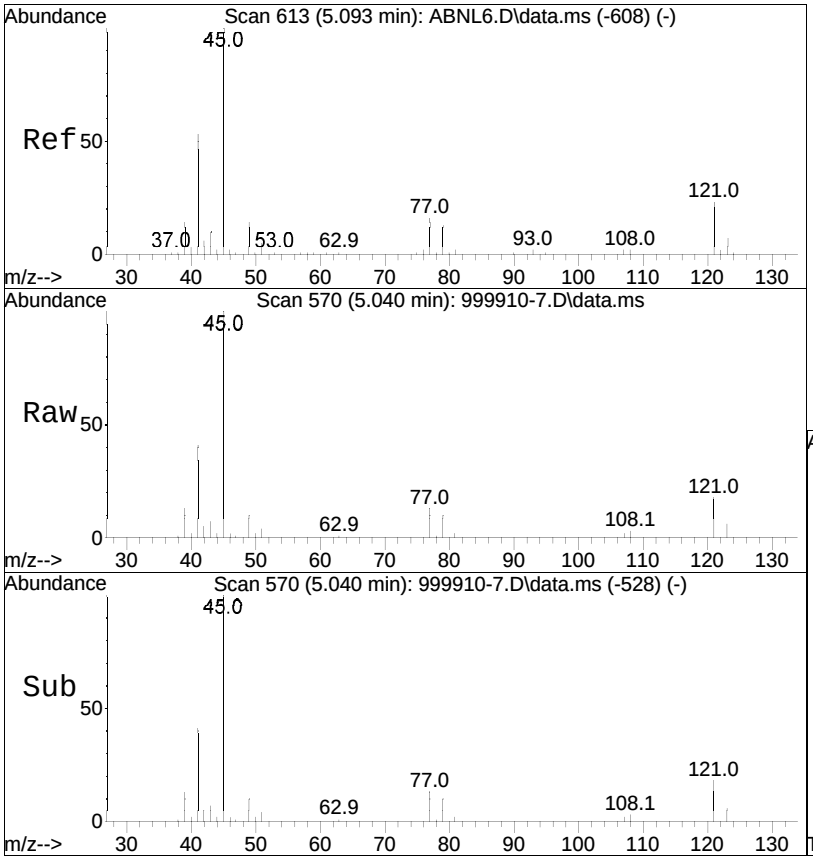


#13
Benzyl alcohol
Concen: 1.22 ug/ml
RT: 4.899 min Scan# 546
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 79 Resp: 5137

Ion	Ratio	Lower	Upper
79	100		
77	57.1	51.8	77.6
108	78.8	63.9	95.9

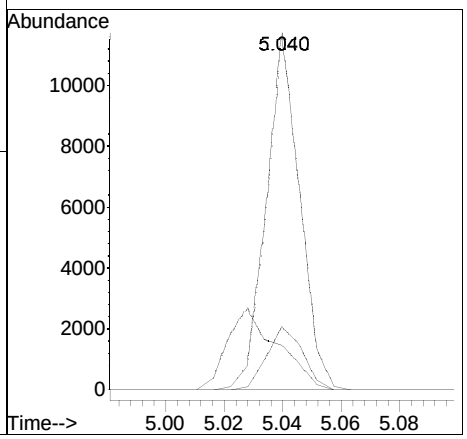


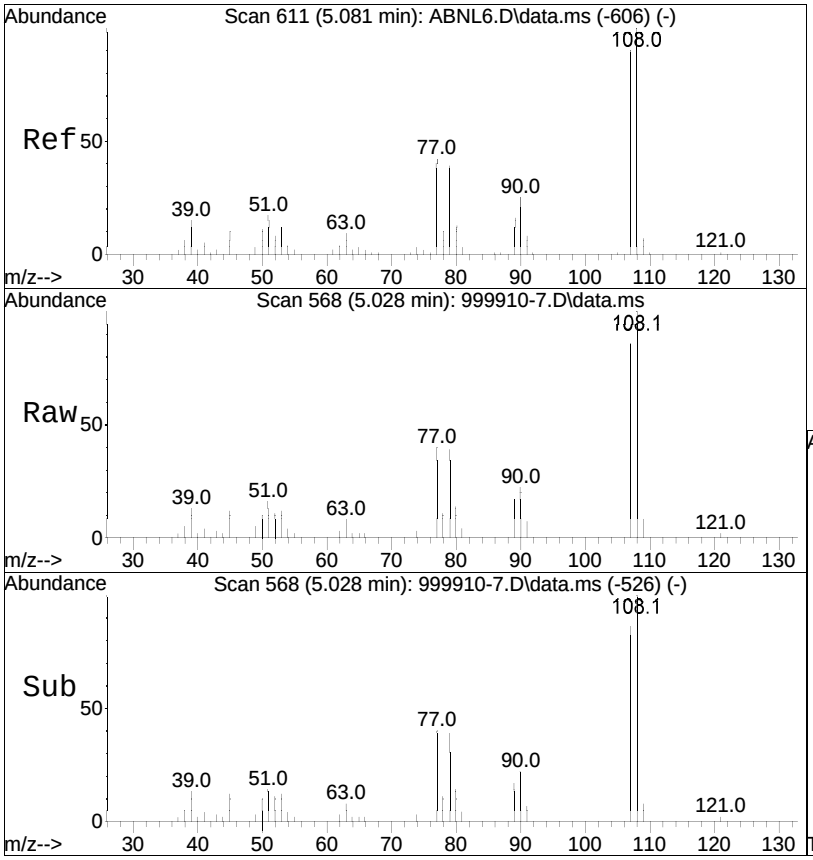


#14
Bis(2-chloroisopropyl)ether
Concen: 1.40 ug/ml
RT: 5.040 min Scan# 570
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 45 Resp: 9197

Ion	Ratio	Lower	Upper
45	100		
121	19.1	14.8	22.2
77	34.7	10.5	15.7#

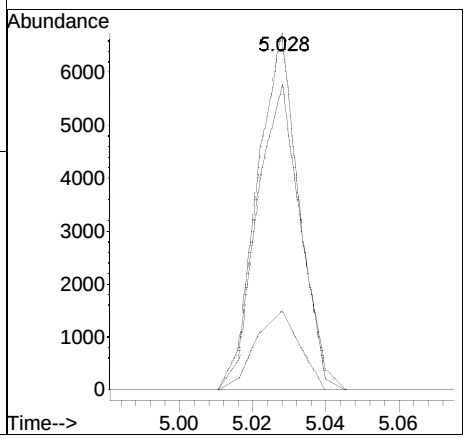


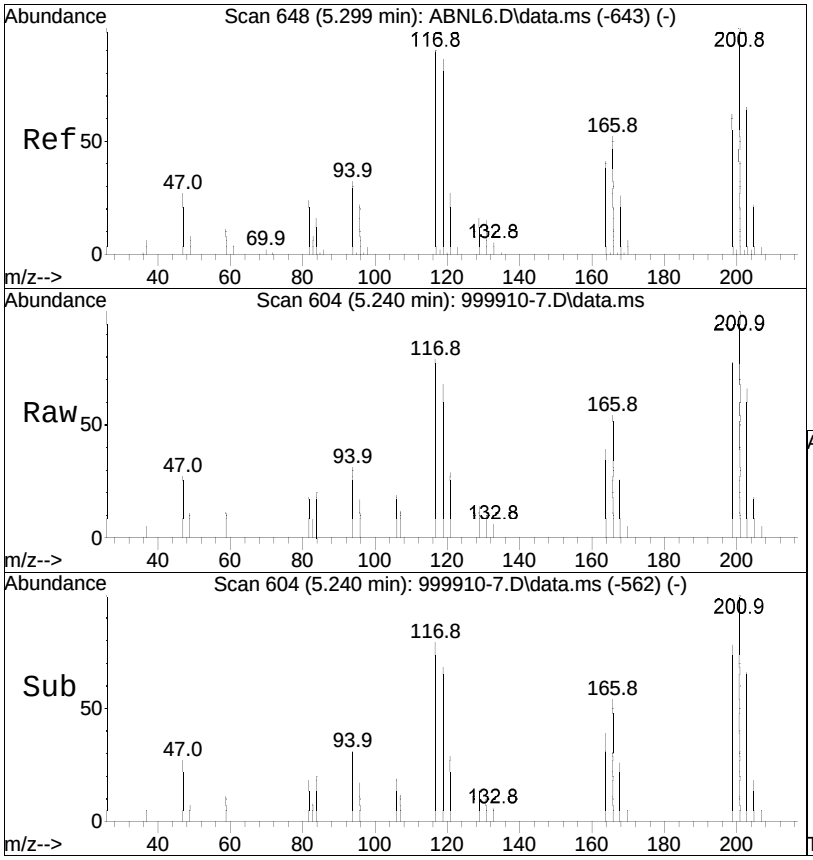


#15
2-Methylphenol
Concen: 1.13 ug/ml
RT: 5.028 min Scan# 568
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:108 Resp: 5316

Ion	Ratio	Lower	Upper
108	100		
107	88.3	71.0	106.4
90	23.4	19.7	29.5

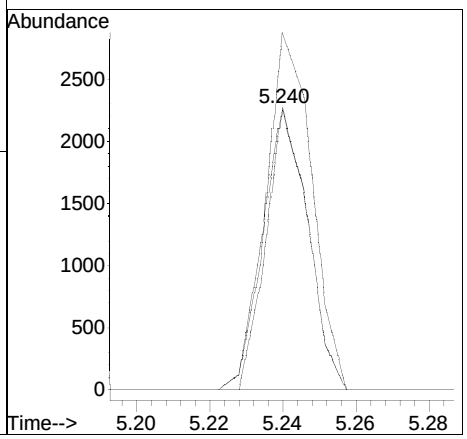


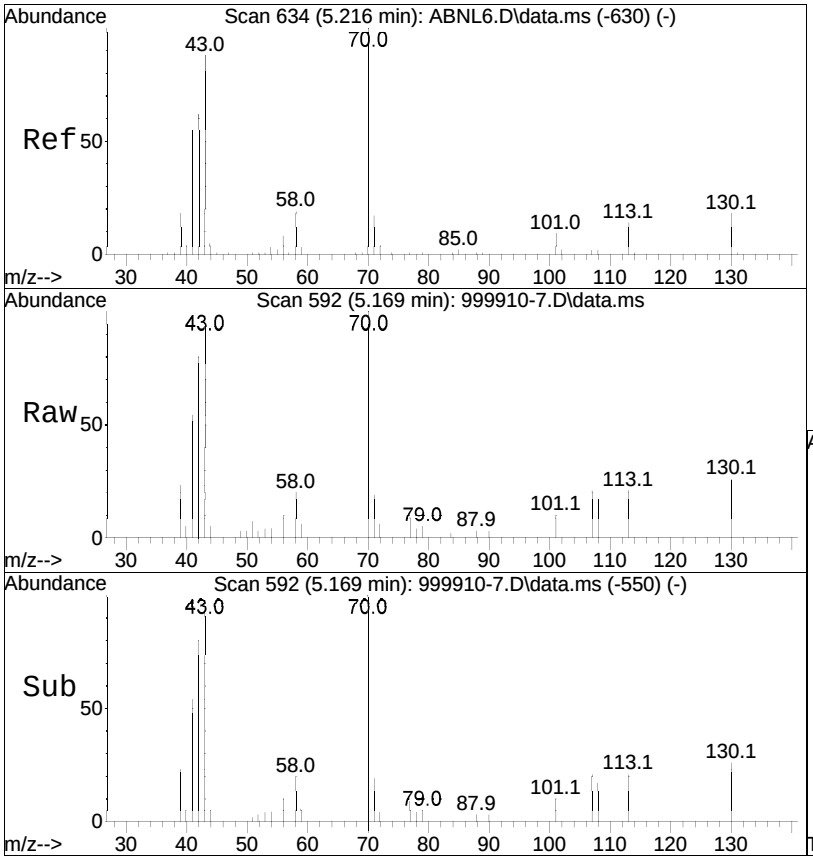


#16
Hexachloroethane
Concen: 0.79 ug/ml
RT: 5.240 min Scan# 604
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:117 Resp: 1953

Ion	Ratio	Lower	Upper
117	100		
201	128.0	64.4	96.6#
199	91.9	40.5	60.7#

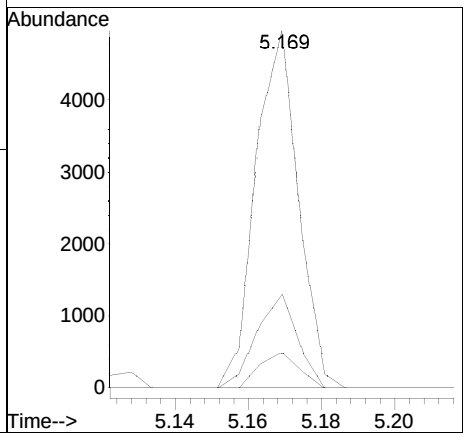


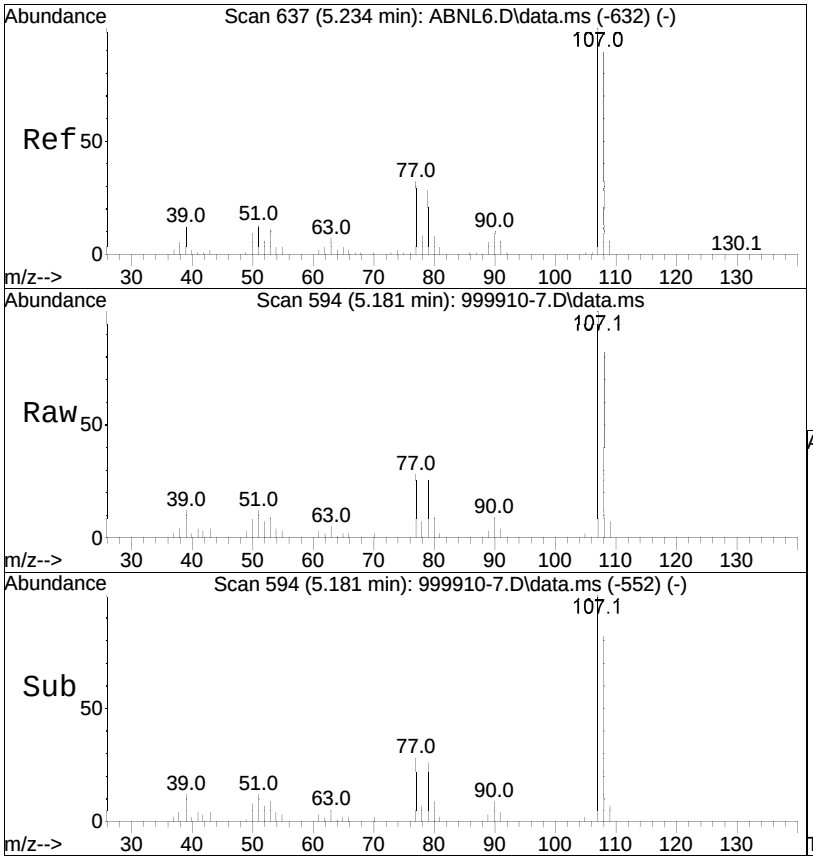


#17
n-Nitrosodi-n-propylamine
Concen: 1.04 ug/ml
RT: 5.169 min Scan# 592
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 70 Resp: 4021

Ion	Ratio	Lower	Upper
70	100		
130	25.1	16.2	24.4#
101	0.0	7.6	11.4#

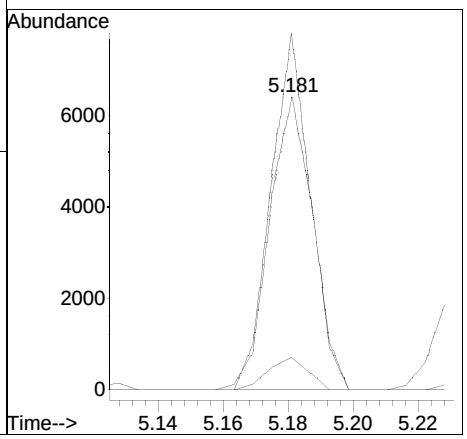


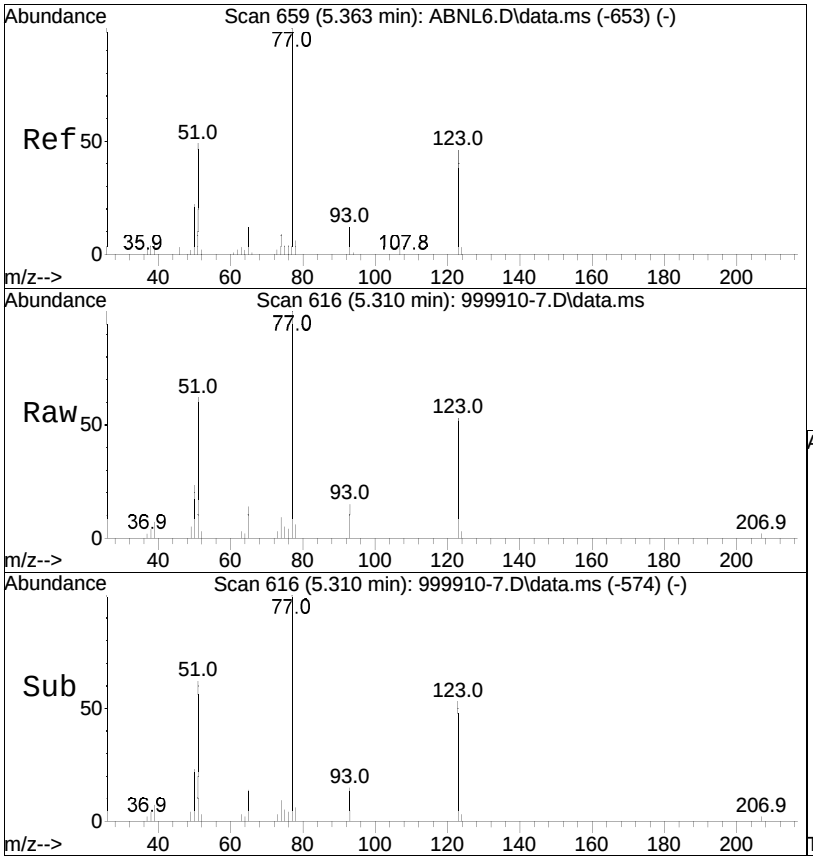


#18
3-Methylphenol/4-Methylphenol
Concen: 1.16 ug/ml
RT: 5.181 min Scan# 594
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:108 Resp: 5914

Ion	Ratio	Lower	Upper
108	100		
107	111.7	88.8	133.2
90	10.2	9.0	13.6

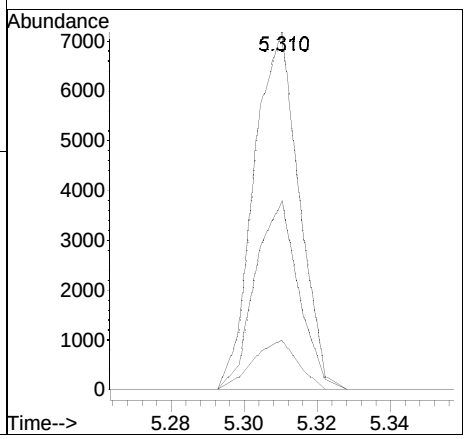


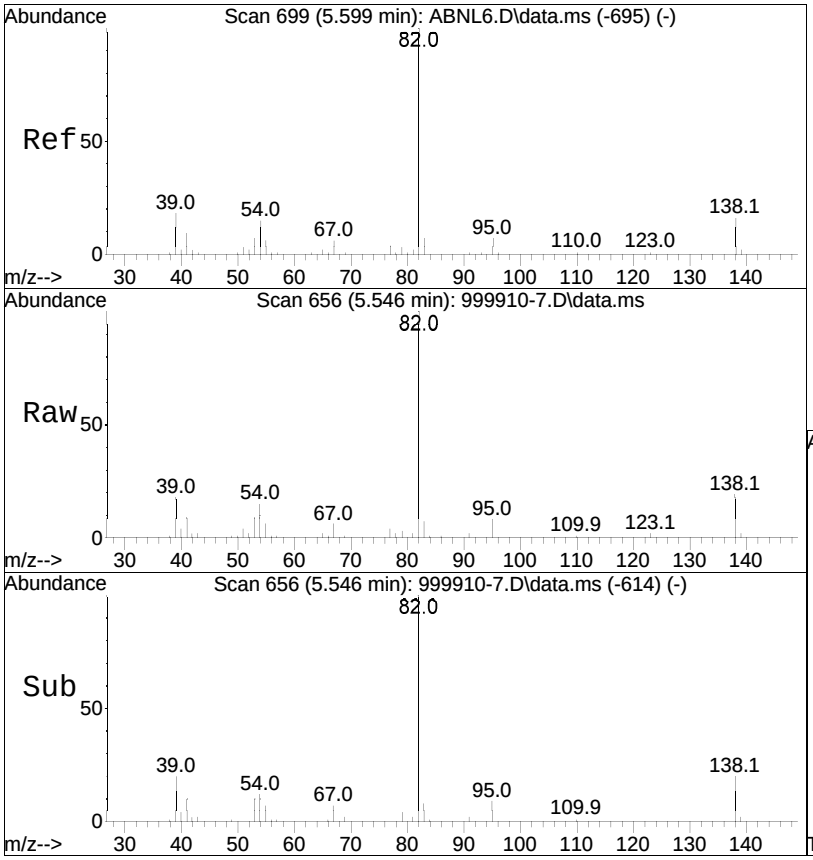


#20
Nitrobenzene
Concen: 1.06 ug/ml
RT: 5.310 min Scan# 616
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 77 Resp: 6108

Ion	Ratio	Lower	Upper
77	100		
123	51.1	37.3	55.9
65	13.9	10.9	16.3

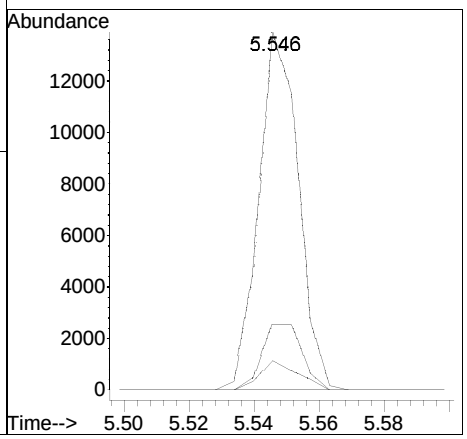


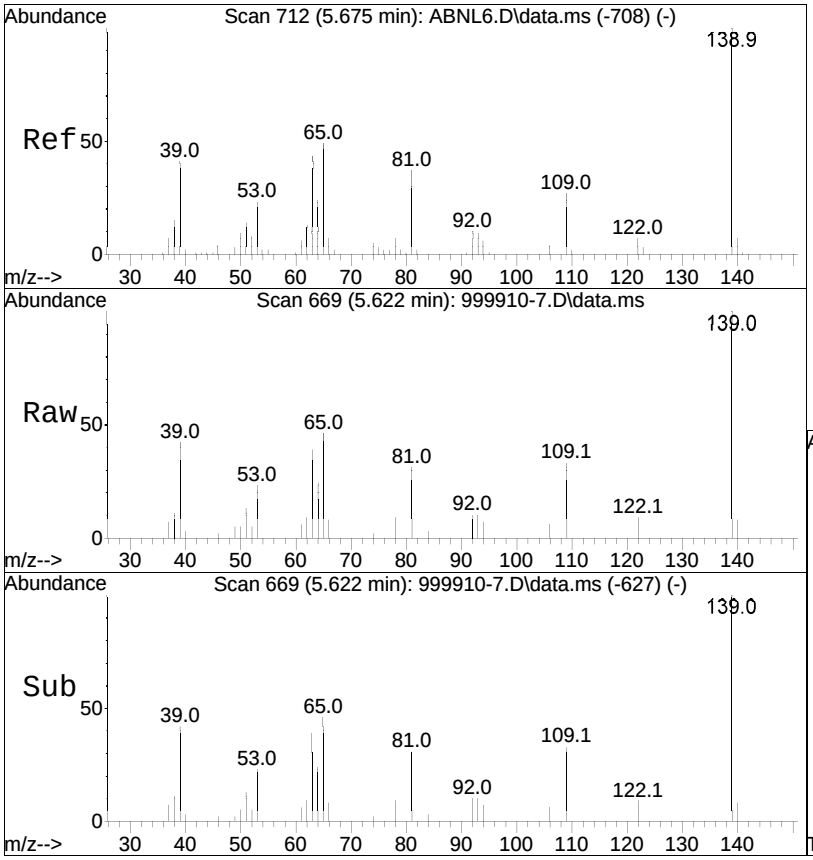


#21
Isophorone
Concen: 1.13 ug/ml
RT: 5.546 min Scan# 656
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 82 Resp: 11660

Ion	Ratio	Lower	Upper
82	100		
138	18.9	13.0	19.4
95	8.0	5.5	8.3

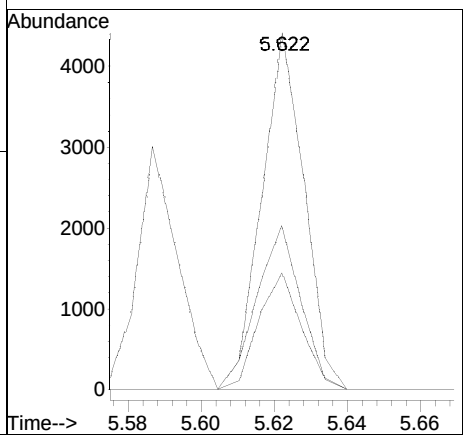


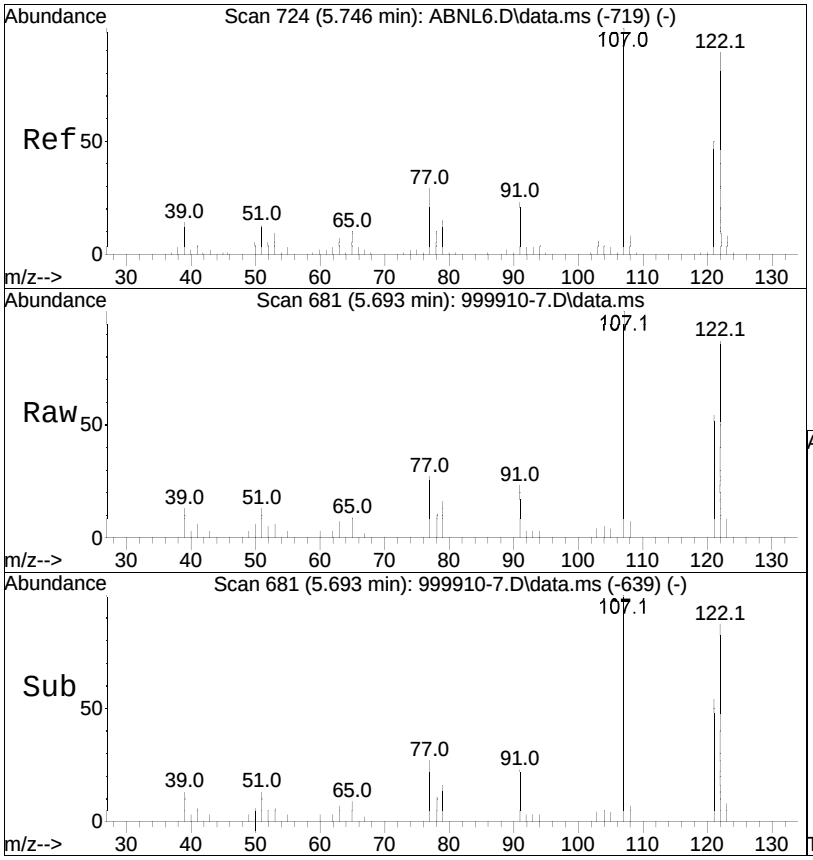


#22
2-Nitrophenol
Concen: 1.39 ug/ml
RT: 5.622 min Scan# 669
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:139 Resp: 3555

Ion	Ratio	Lower	Upper
139	100		
109	33.1	23.1	34.7
65	47.7	41.4	62.2

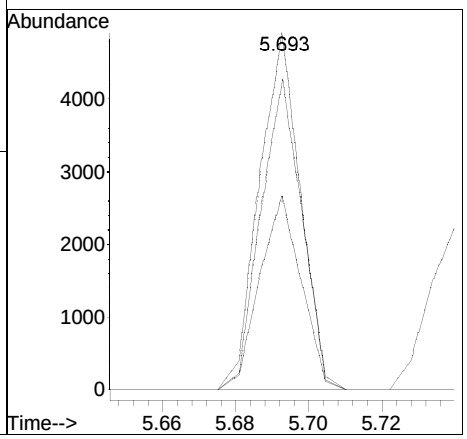


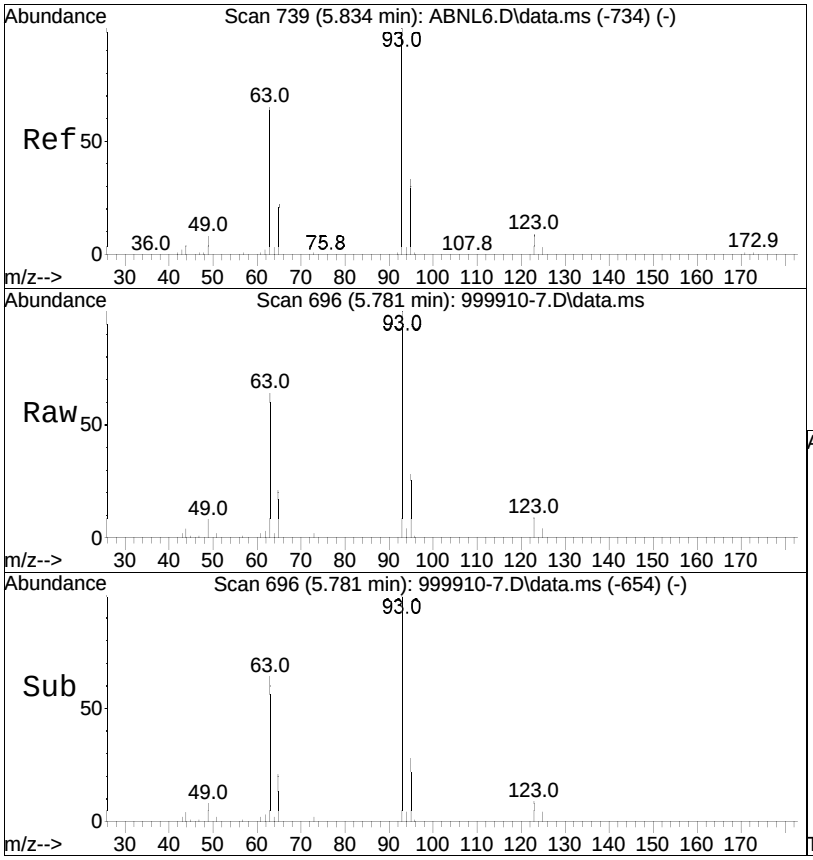


#23
2,4-Dimethylphenol
Concen: 0.78 ug/ml
RT: 5.693 min Scan# 681
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:107 Resp: 3832

Ion	Ratio	Lower	Upper
107	100		
121	55.0	41.3	61.9
122	86.3	69.3	103.9

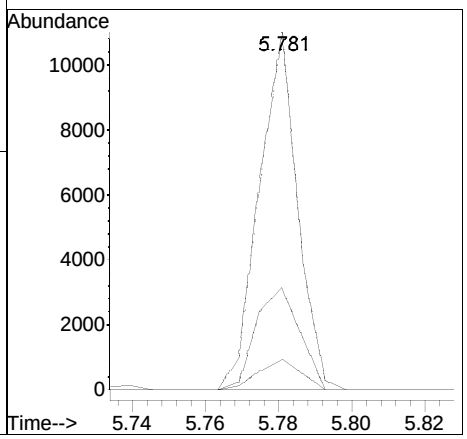


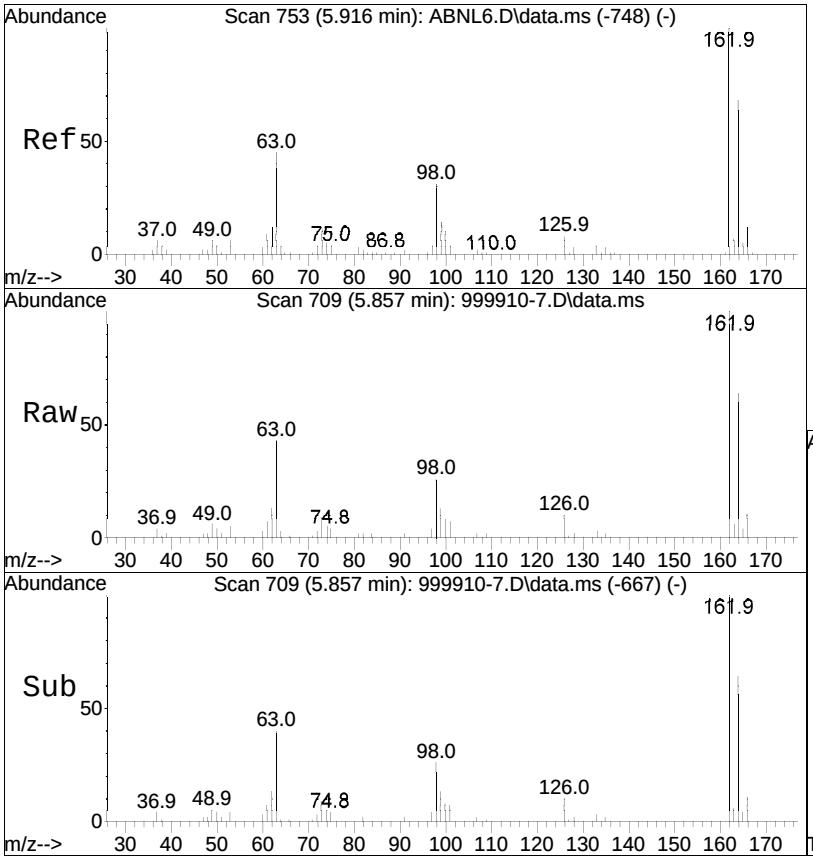


#24
Bis(2-chloroethoxy)methane
Concen: 1.14 ug/ml
RT: 5.781 min Scan# 696
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 93 Resp: 7953

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.8
123	9.5	9.6	14.4#

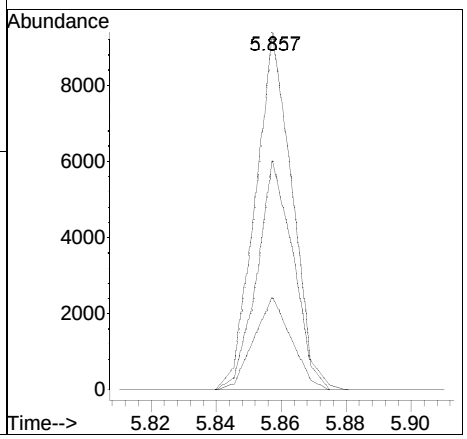


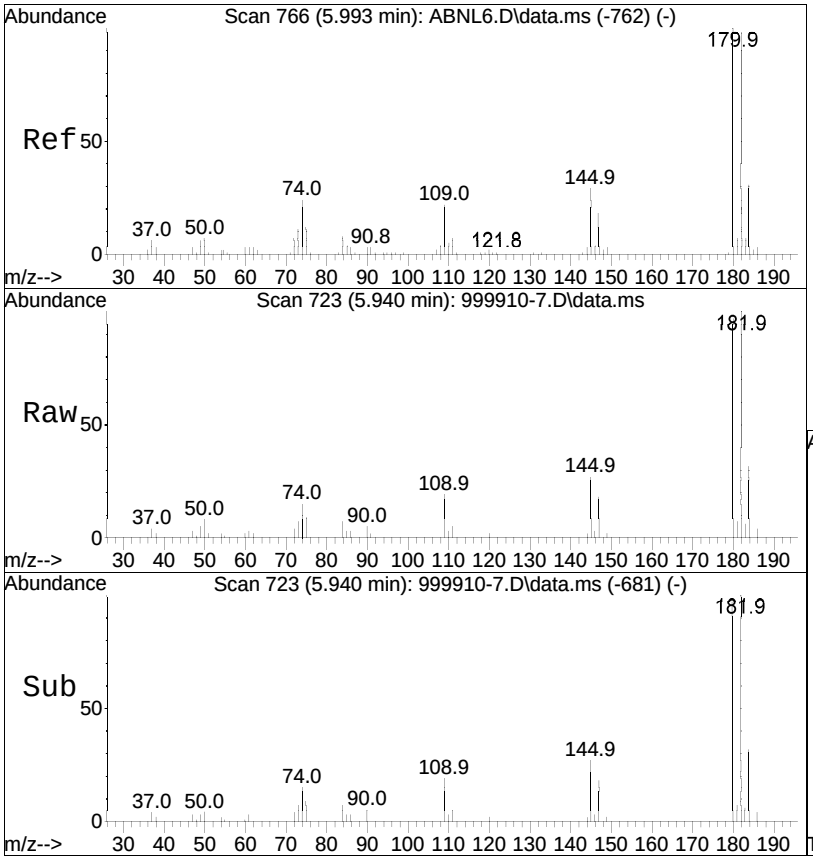


#25
2,4-Dichlorophenol
Concen: 1.42 ug/ml
RT: 5.857 min Scan# 709
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:162 Resp: 7284

Ion	Ratio	Lower	Upper
162	100		
164	63.3	51.1	76.7
98	26.5	32.2	48.2#

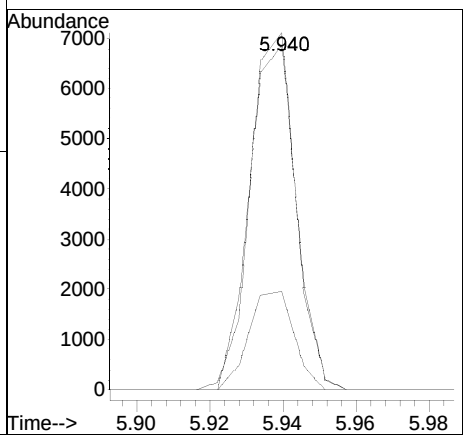


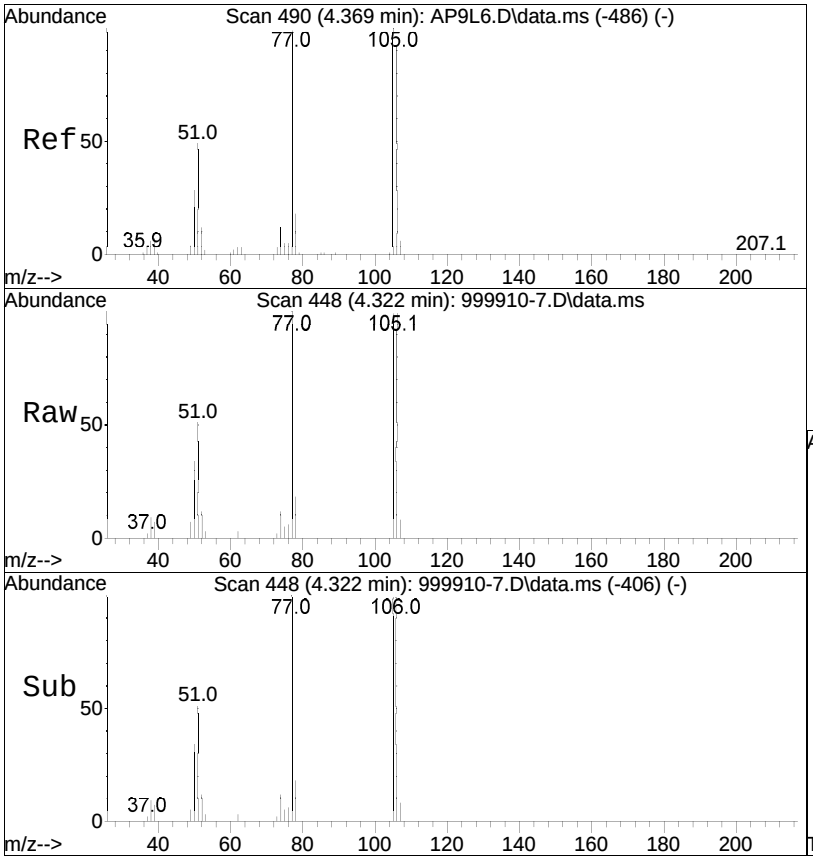


#26
1,2,4-Trichlorobenzene
Concen: 0.94 ug/ml
RT: 5.940 min Scan# 723
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:180 Resp: 6110

Ion	Ratio	Lower	Upper
180	100		
182	100.4	75.8	113.8
145	27.7	26.3	39.5

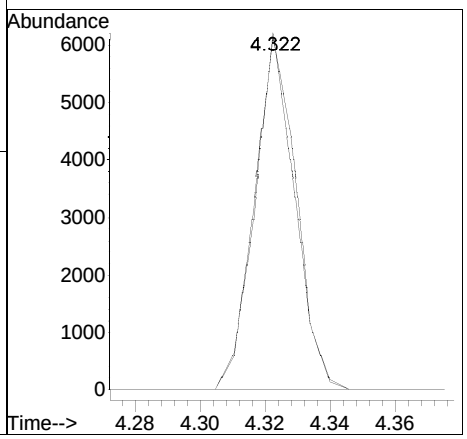


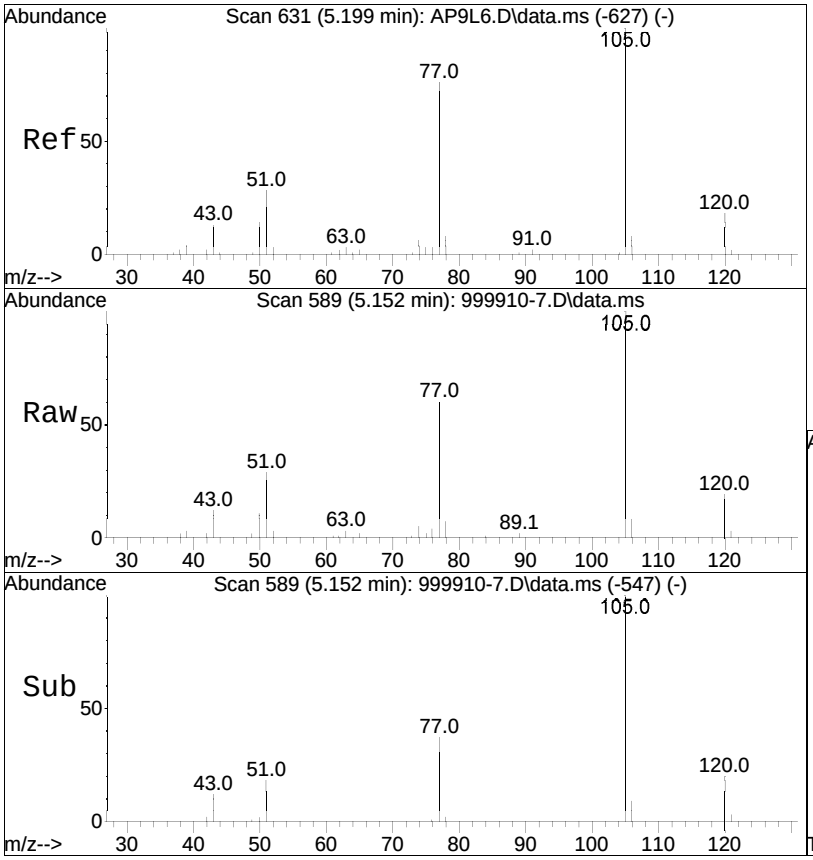


#28
Benzaldehyde
Concen: 1.12 ug/ml
RT: 4.322 min Scan# 448
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:105 Resp: 5470

Ion	Ratio	Lower	Upper
105	100		
77	96.0	77.0	115.6

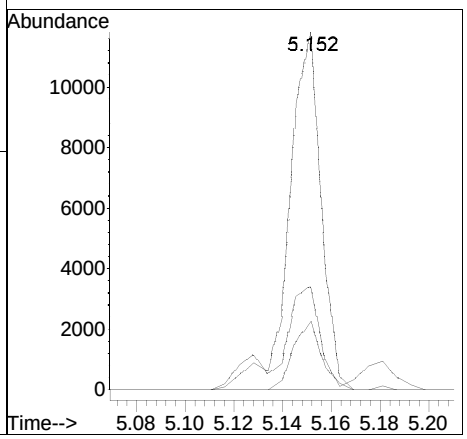


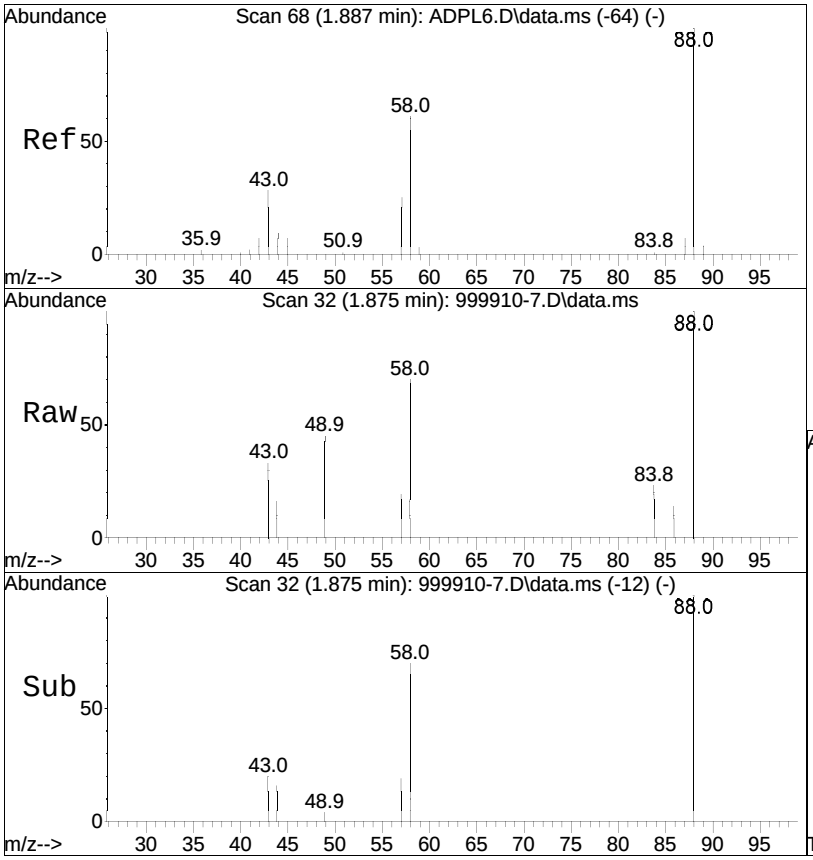


#29
Acetophenone
Concen: 1.26 ug/ml
RT: 5.152 min Scan# 589
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:105 Resp: 10683

Ion	Ratio	Lower	Upper
105	100		
120	17.1	15.2	22.8
51	37.0	23.1	34.7#

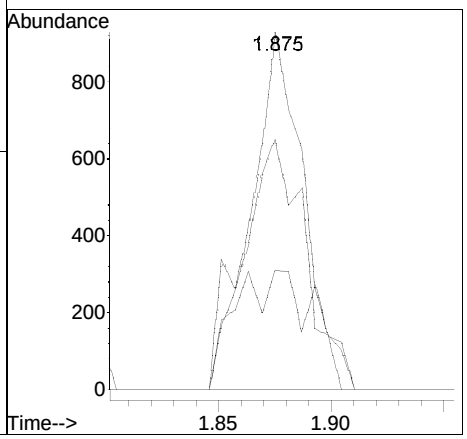


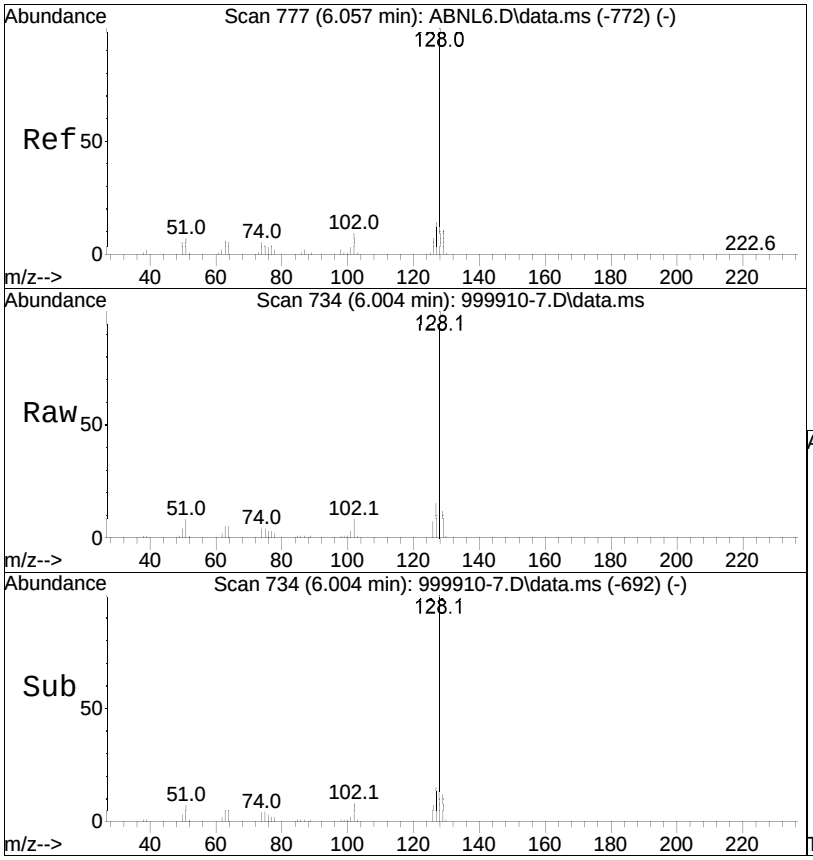


#33
1,4-Dioxane
Concen: 0.75 ug/ml
RT: 1.875 min Scan# 32
Delta R.T. 0.017 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 88 Resp: 1563

Ion	Ratio	Lower	Upper
88	100		
58	75.0	44.8	67.2#
43	49.6	22.4	33.6#

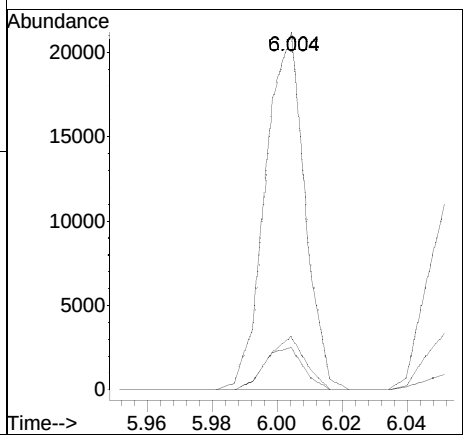


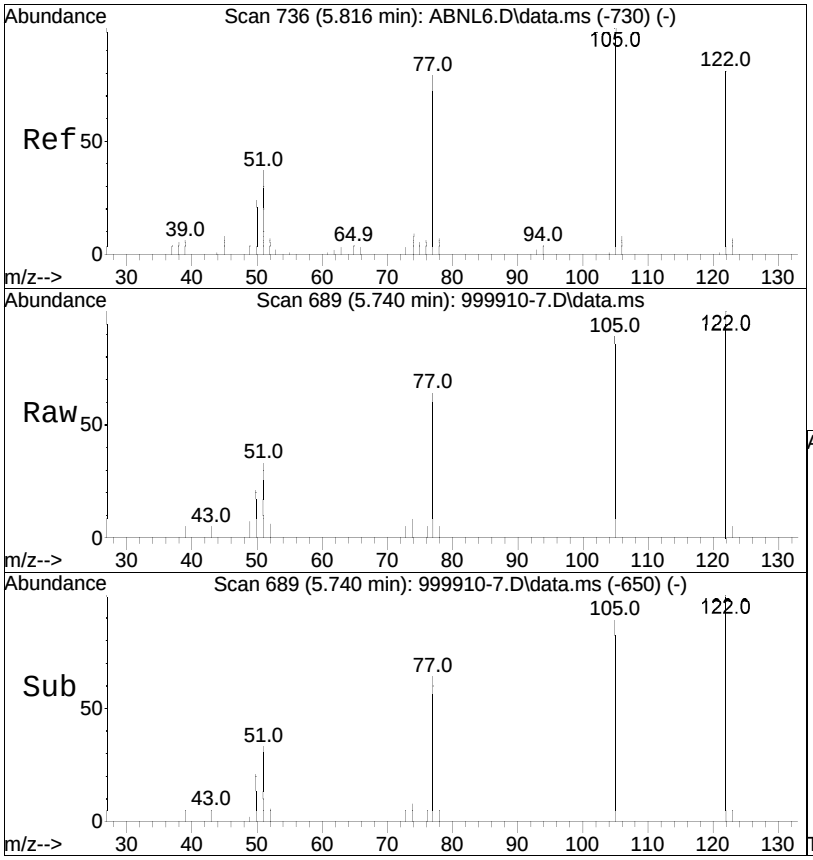


#36
Naphthalene
Concen: 1.05 ug/ml
RT: 6.004 min Scan# 734
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:128 Resp: 17733

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.9	13.3
127	14.1	10.6	15.8

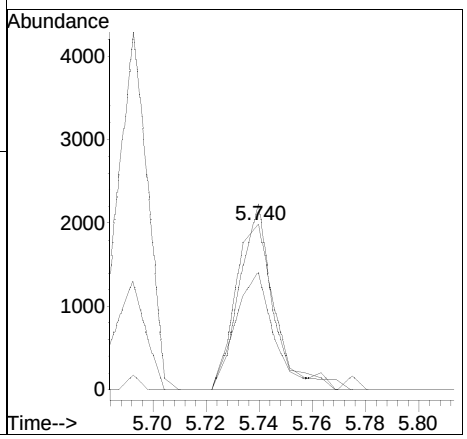


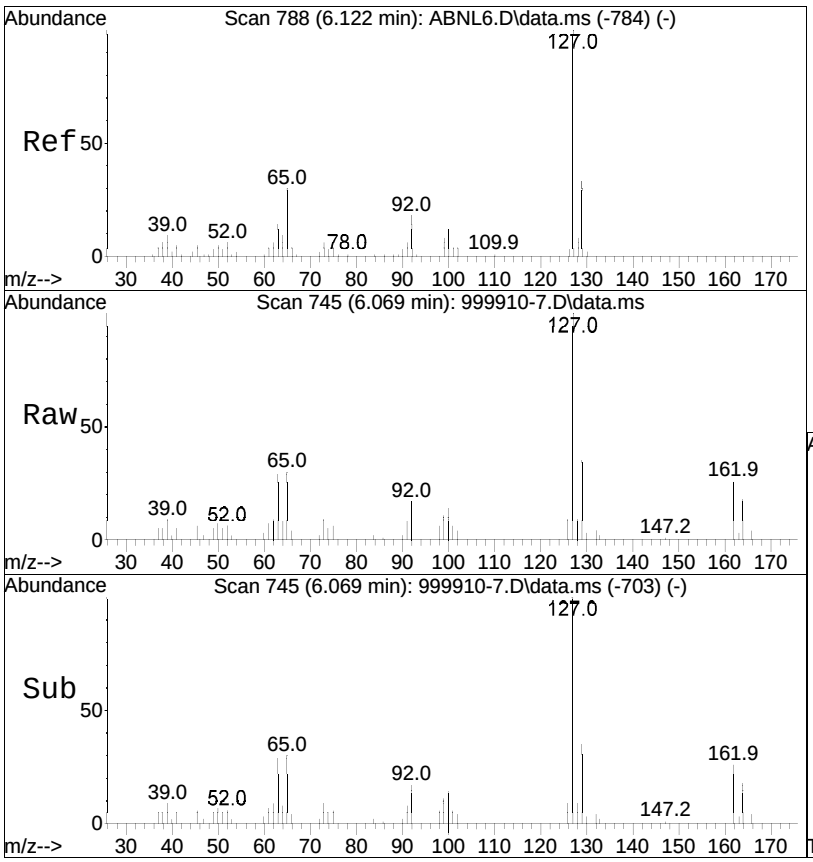


#37
Benzoic Acid
Concen: 1.95 ug/ml
RT: 5.740 min Scan# 689
Delta R.T. -0.018 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:105 Resp: 2097

Ion	Ratio	Lower	Upper
105	100		
122	93.9	62.6	93.8#
77	70.6	59.1	88.7

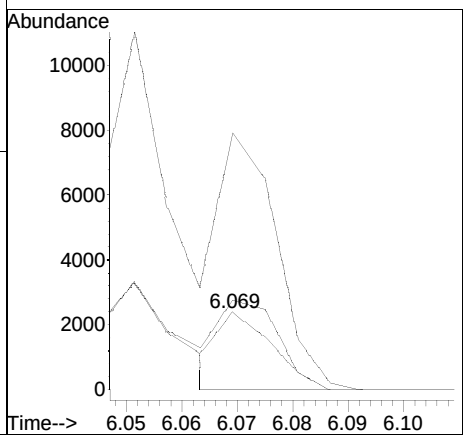


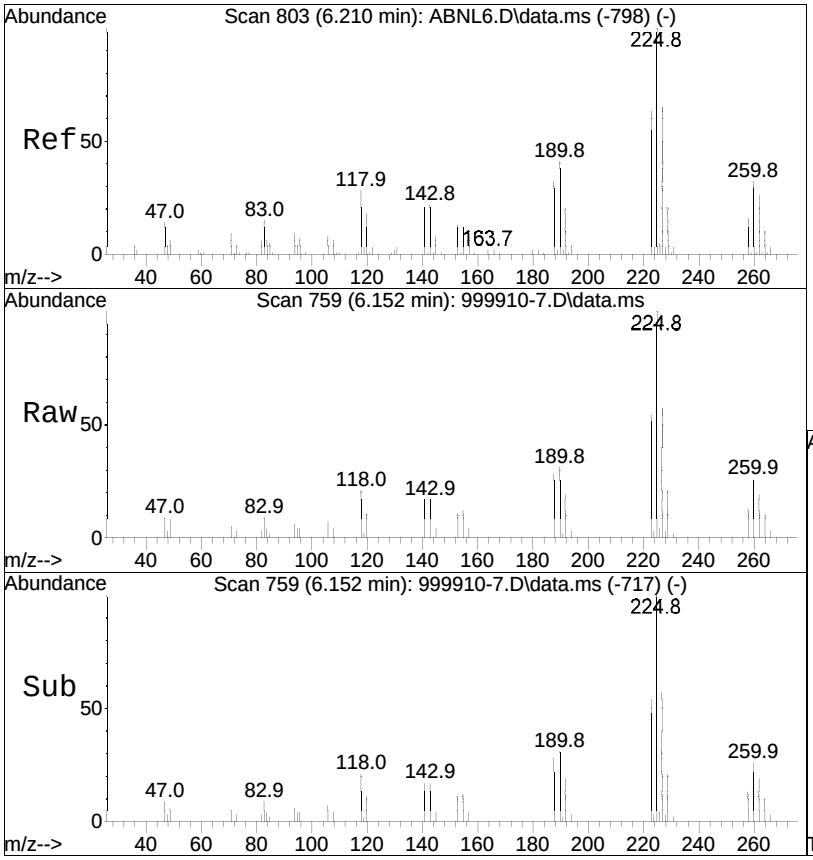


#38
4-Chloroaniline
Concen: 0.84 ug/ml M3
RT: 6.069 min Scan# 745
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 65 Resp: 1600

Ion	Ratio	Lower	Upper
65	100		
127	589.4	266.2	399.4#
129	191.5	85.0	127.4#

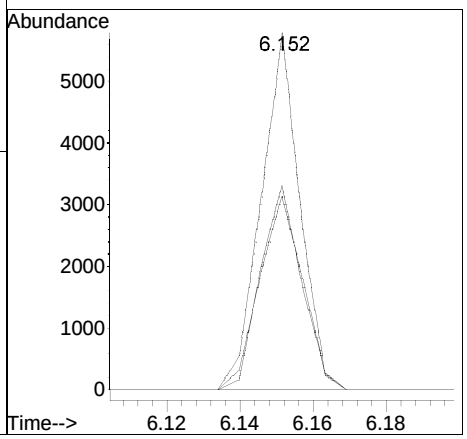


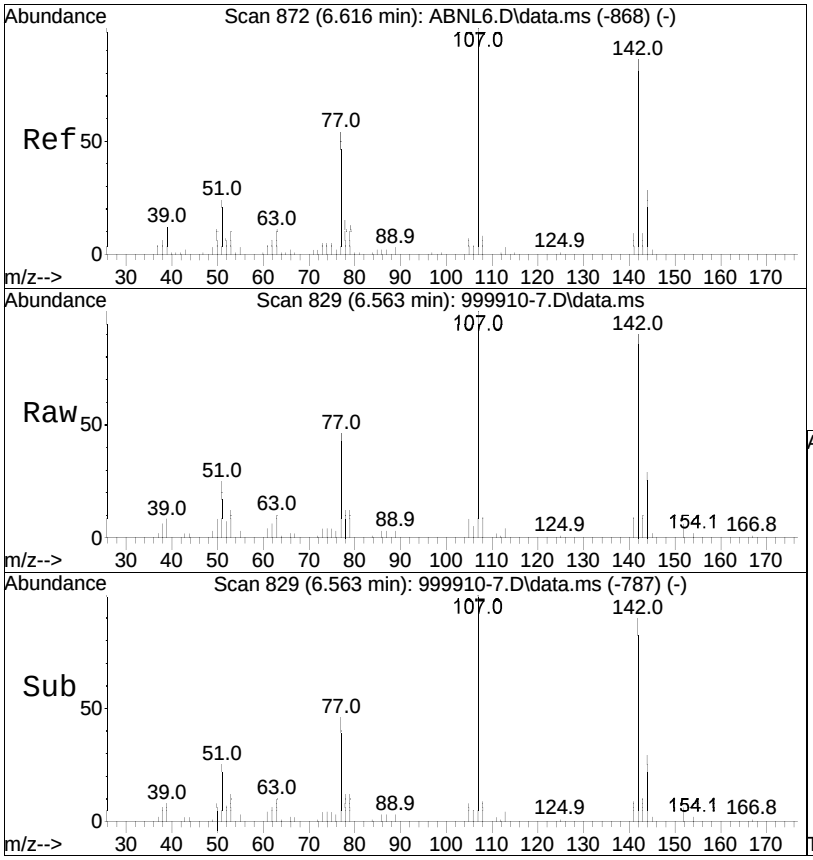


#39
Hexachlorobutadiene
Concen: 1.06 ug/ml
RT: 6.152 min Scan# 759
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:225 Resp: 4220

Ion	Ratio	Lower	Upper
225	100		
223	61.1	50.5	75.7
227	60.9	50.4	75.6

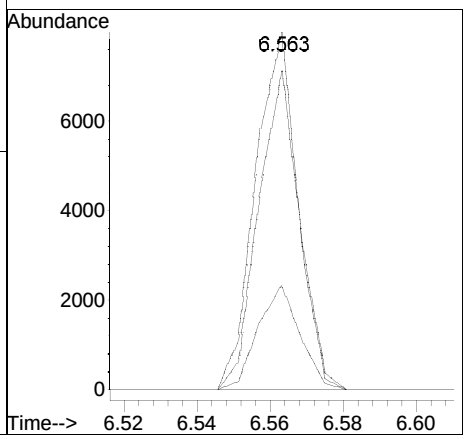


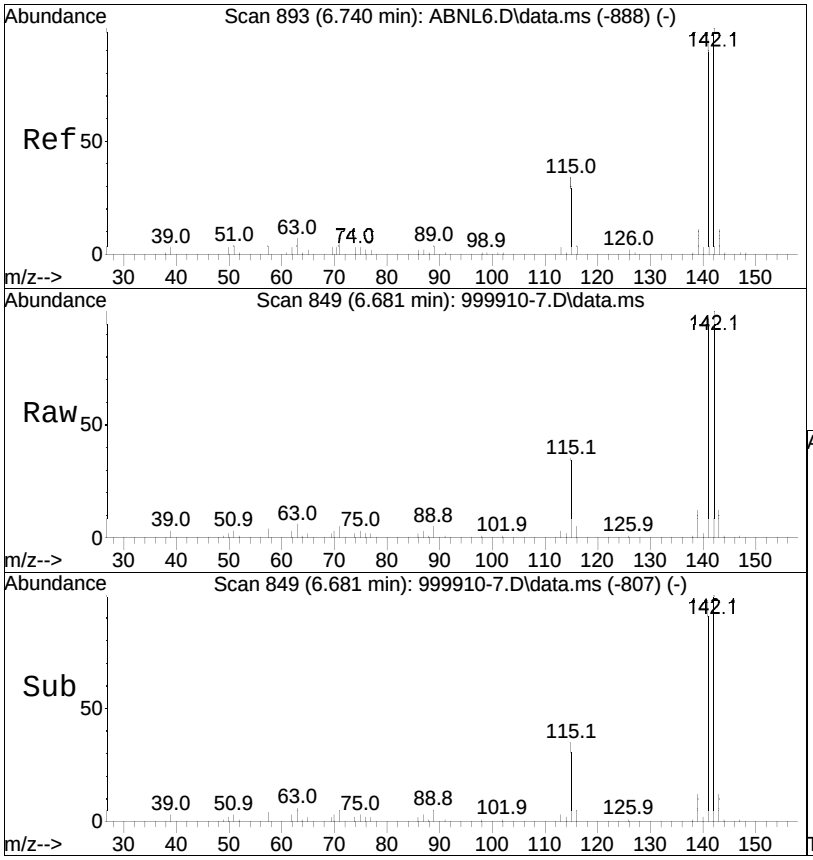


#40
p-Chloro-m-cresol
Concen: 1.42 ug/ml
RT: 6.563 min Scan# 829
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:107 Resp: 6354

Ion	Ratio	Lower	Upper
107	100		
144	29.0	20.3	30.5
142	86.9	63.8	95.6

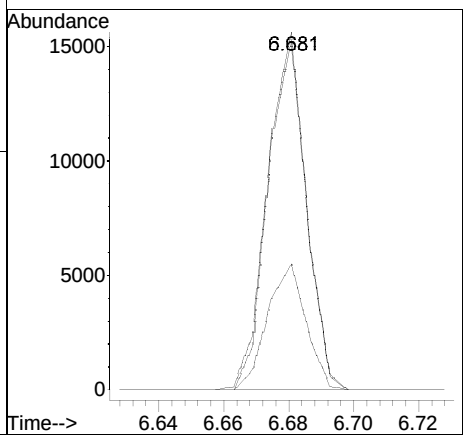


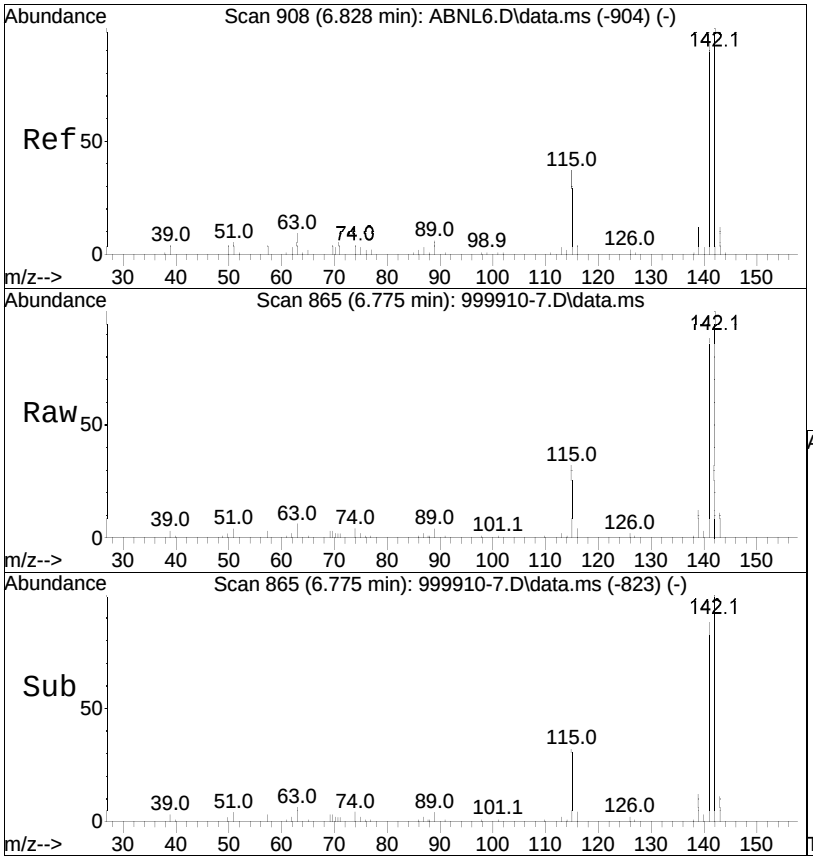


#41
2-Methylnaphthalene
Concen: 1.11 ug/ml
RT: 6.681 min Scan# 849
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:142 Resp: 12780

Ion	Ratio	Lower	Upper
142	100		
141	95.7	72.2	108.4
115	35.2	27.8	41.6

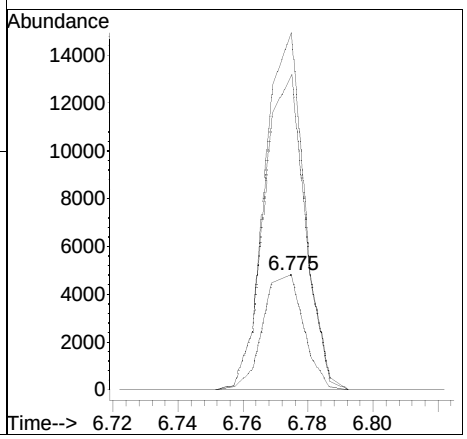


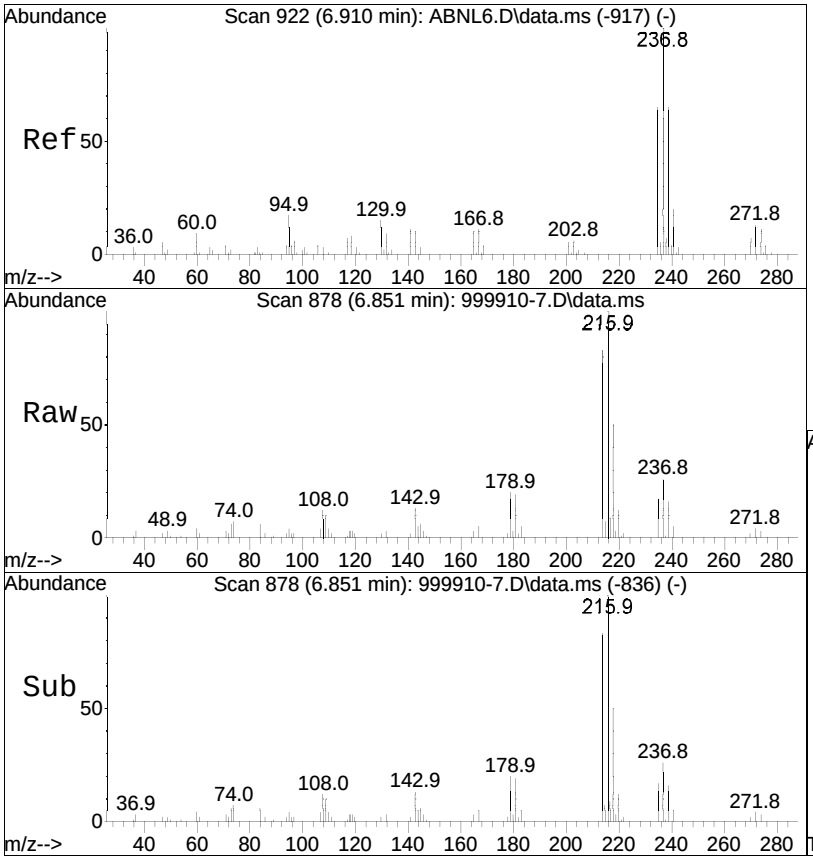


#42
1-Methylnaphthalene
Concen: 1.05 ug/ml
RT: 6.775 min Scan# 865
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:115 Resp: 4171

Ion	Ratio	Lower	Upper
115	100		
141	273.6	205.4	308.2
142	301.0	220.2	330.4

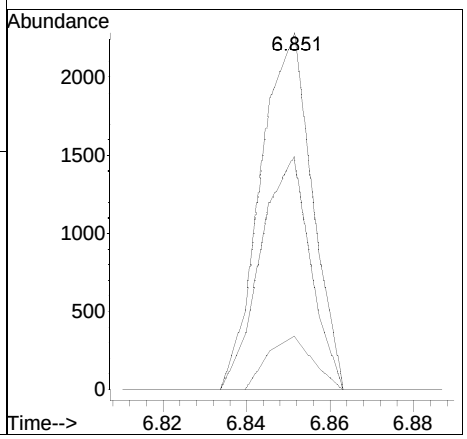


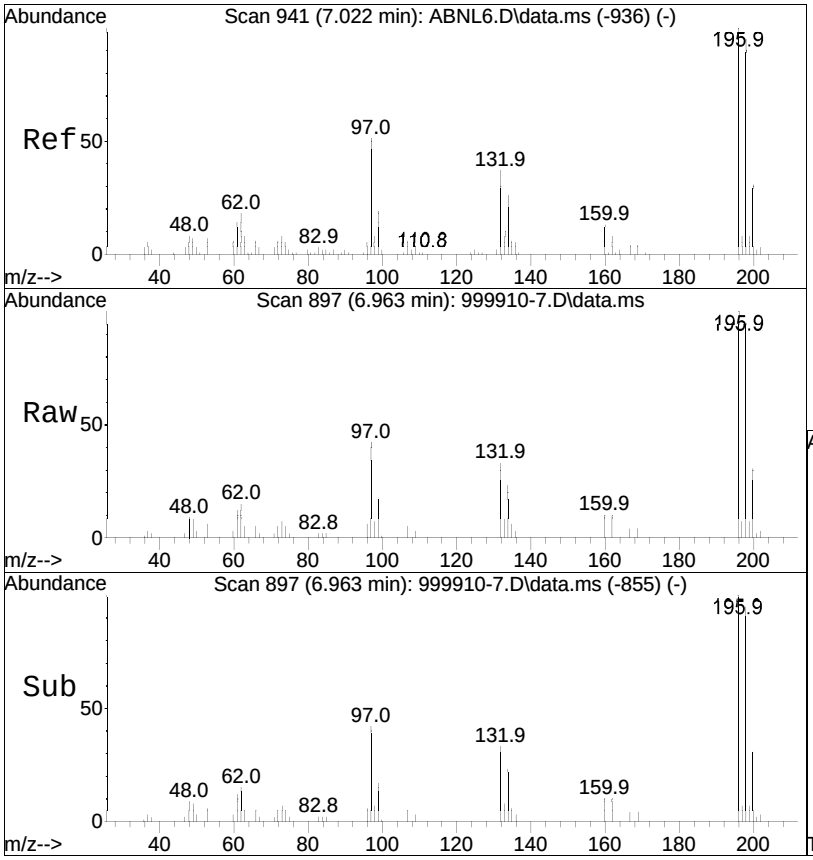


#43
Hexachlorocyclopentadiene
Concen: 0.48 ug/ml
RT: 6.851 min Scan# 878
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:237 Resp: 1950

Ion	Ratio	Lower	Upper
237	100		
235	63.3	50.9	76.3
272	0.0	10.1	15.1#

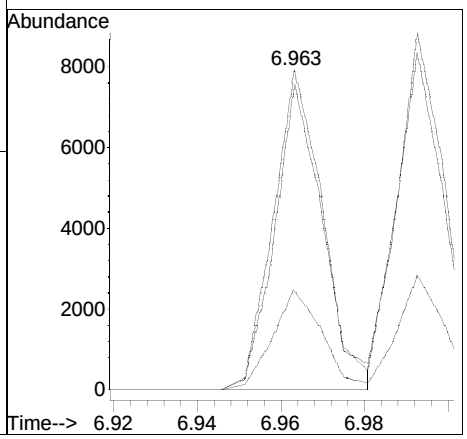


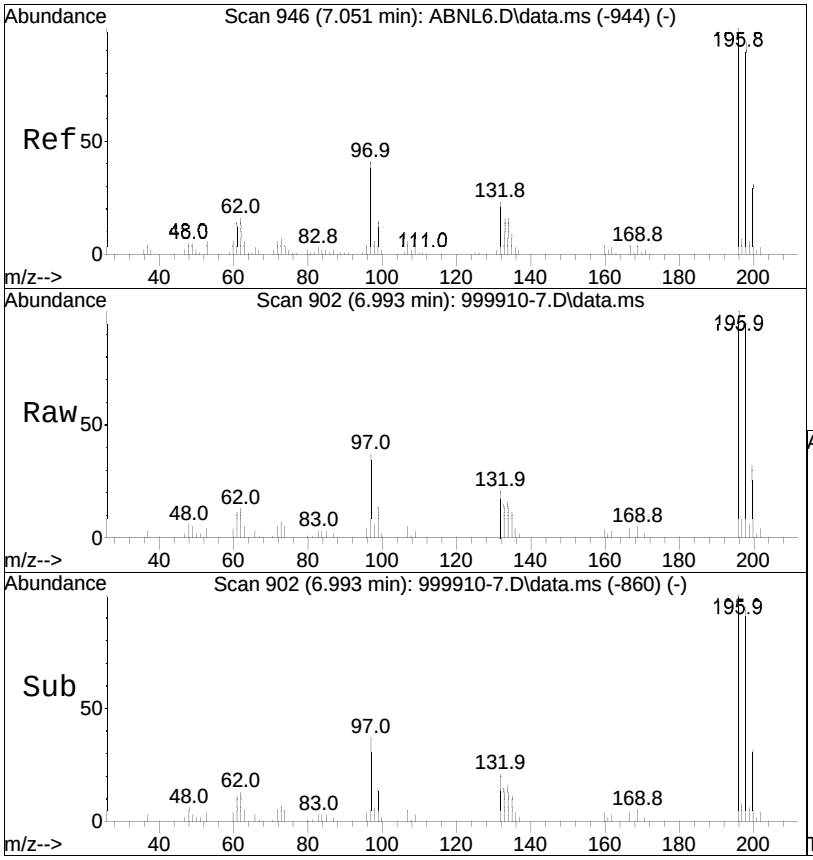


#44
2,4,6-Trichlorophenol
Concen: 1.58 ug/ml
RT: 6.963 min Scan# 897
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:196 Resp: 6562

Ion	Ratio	Lower	Upper
196	100		
198	92.3	76.4	114.6
200	31.4	24.4	36.6

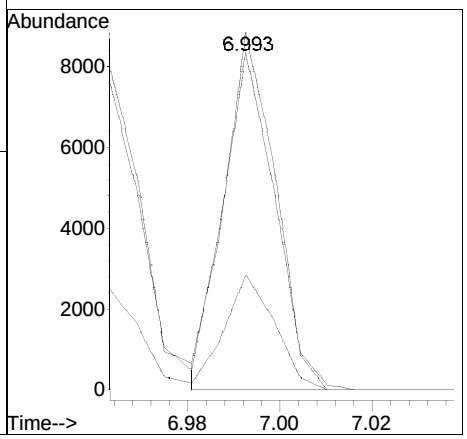


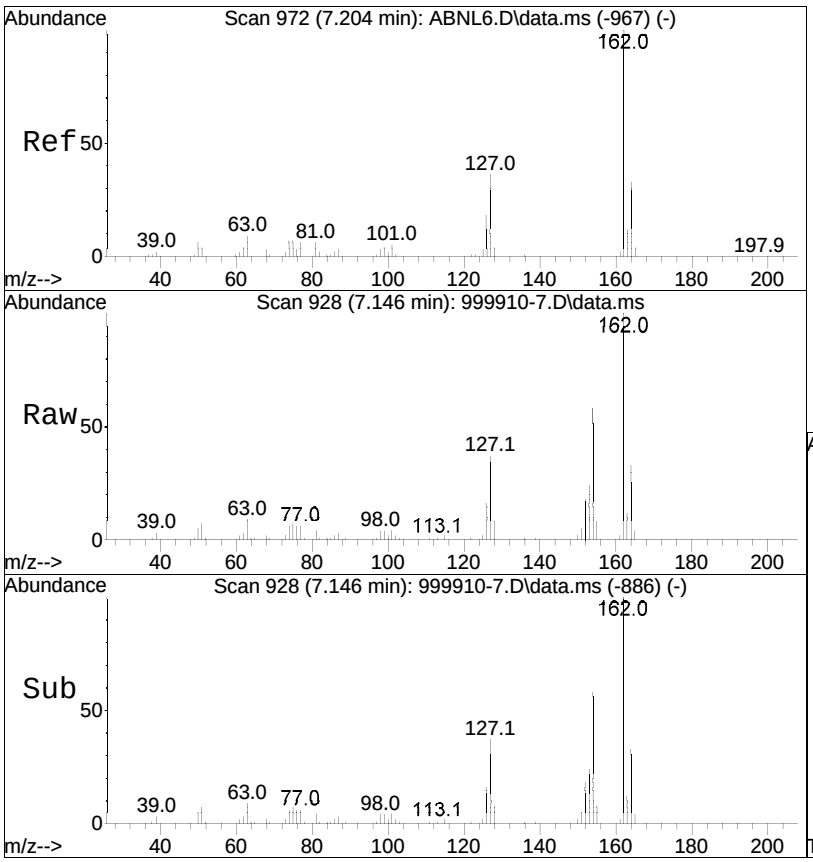


#45
2,4,5-Trichlorophenol
Concen: 1.59 ug/ml M3
RT: 6.993 min Scan# 902
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:196 Resp: 6751

Ion	Ratio	Lower	Upper
196	100		
200	30.5	24.2	36.4
198	89.7	76.2	114.2

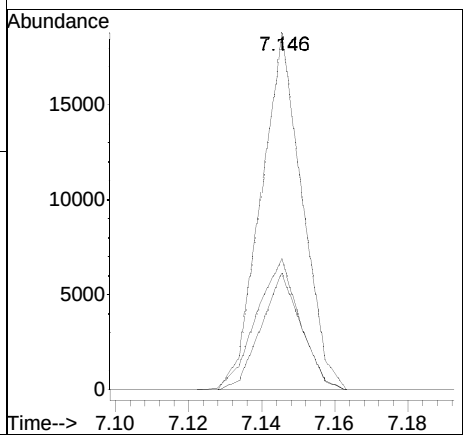


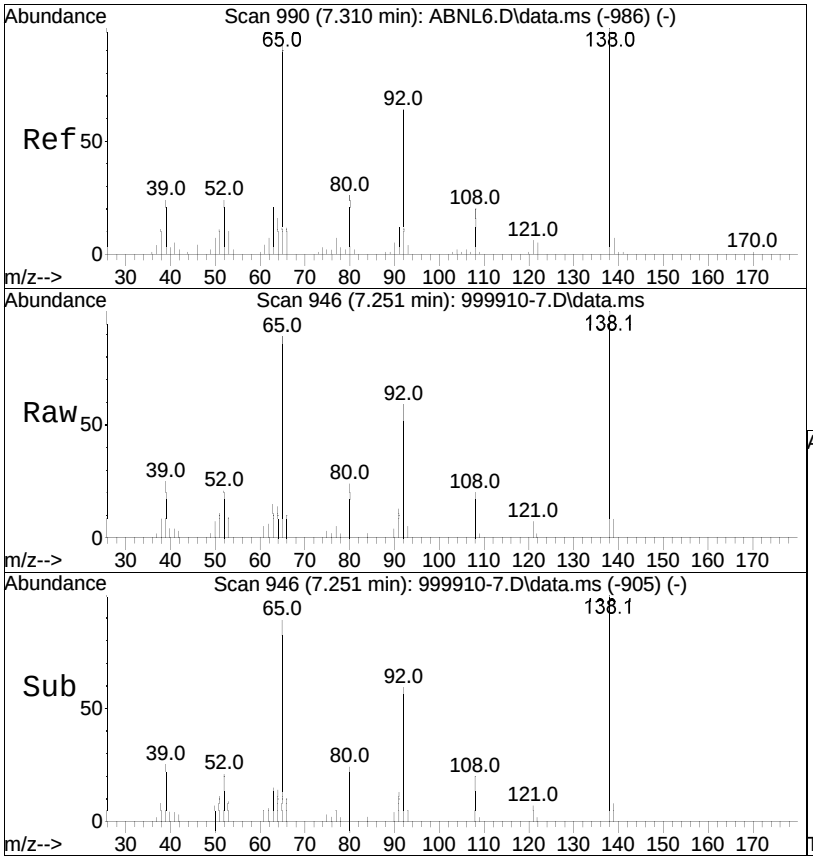


#47
2-Chloronaphthalene
Concen: 1.19 ug/ml
RT: 7.146 min Scan# 928
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:162 Resp: 14597

Ion	Ratio	Lower	Upper
162	100		
127	39.3	33.8	50.6
164	32.2	25.8	38.6

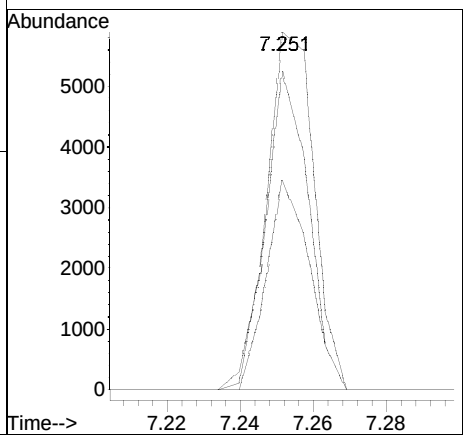


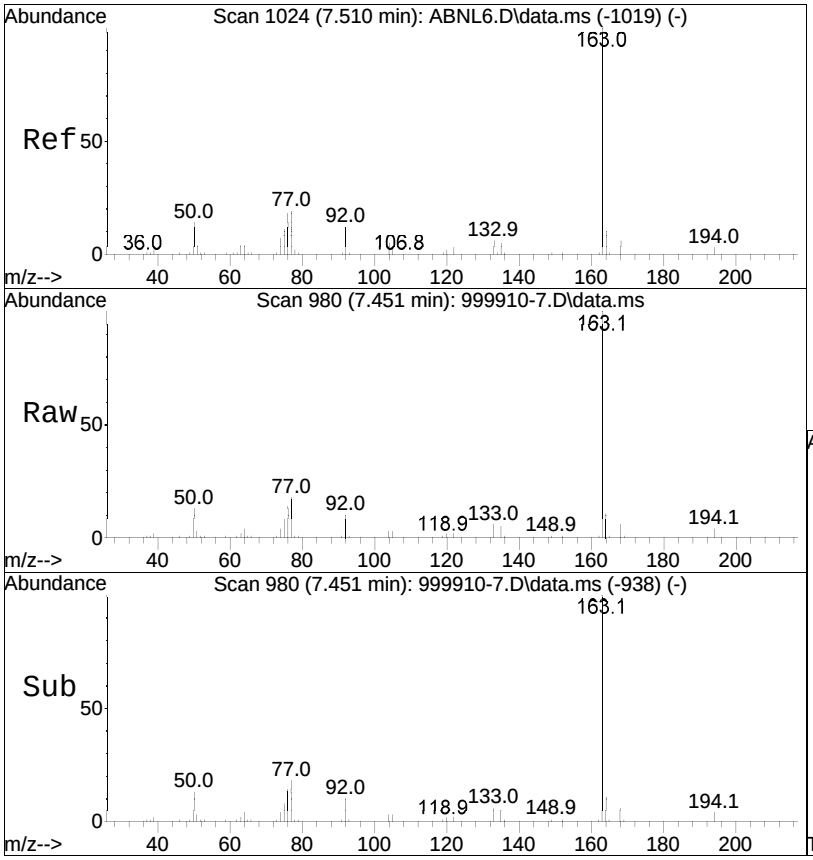


#48
2-Nitroaniline
Concen: 1.62 ug/ml
RT: 7.251 min Scan# 946
Delta R.T. -0.006 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:138 Resp: 5241

Ion	Ratio	Lower	Upper
138	100		
92	54.0	52.1	78.1
65	81.3	75.9	113.9

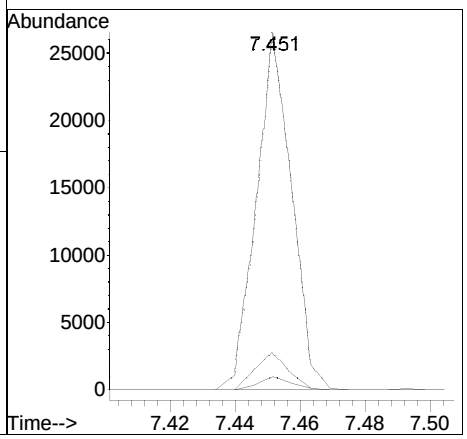


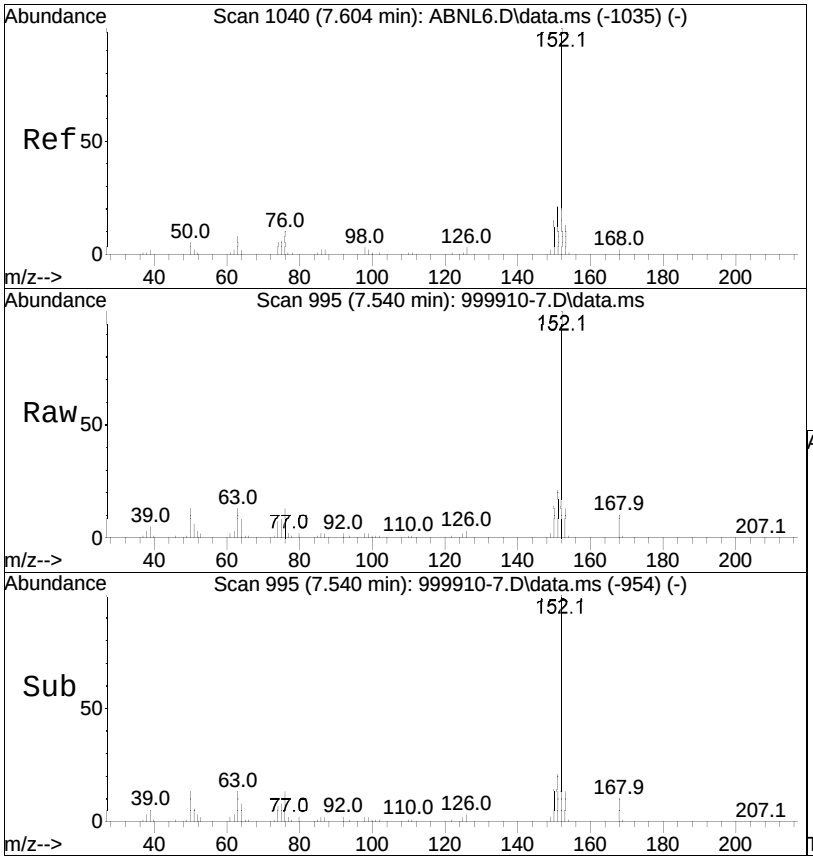


#51
Dimethyl phthalate
Concen: 1.32 ug/ml
RT: 7.451 min Scan# 980
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:163 Resp: 19694

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.3	3.5
164	9.9	8.2	12.2

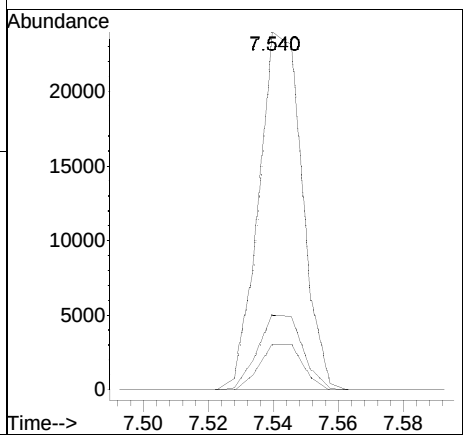


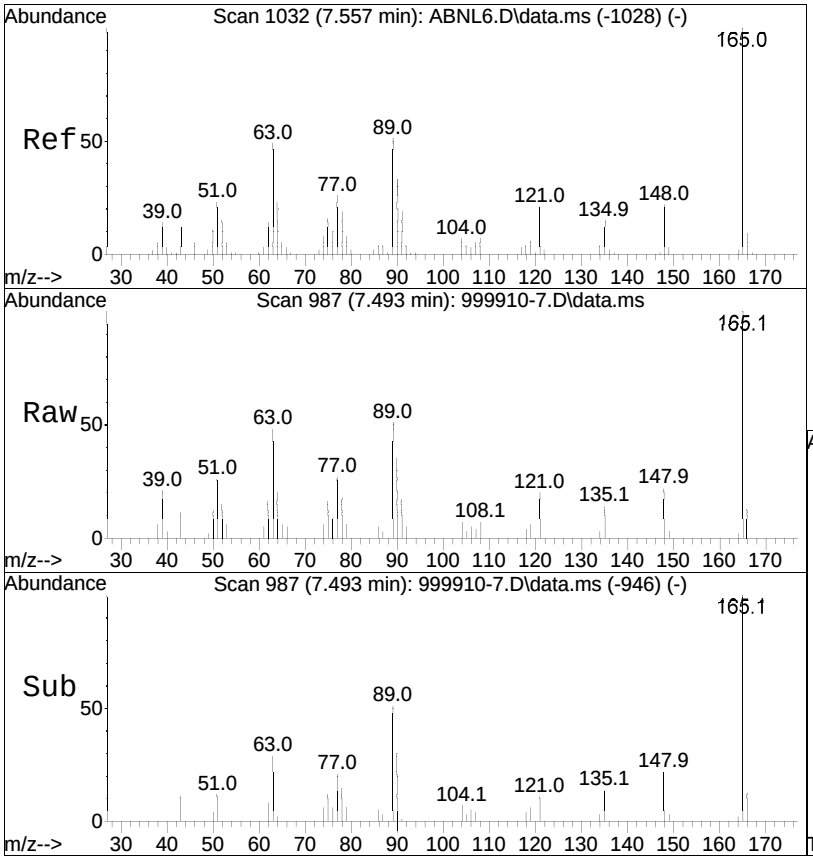


#52
Acenaphthylene
Concen: 1.22 ug/ml
RT: 7.540 min Scan# 995
Delta R.T. -0.006 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:152 Resp: 22024

Ion	Ratio	Lower	Upper
152	100		
151	21.7	15.9	23.9
153	12.7	10.5	15.7

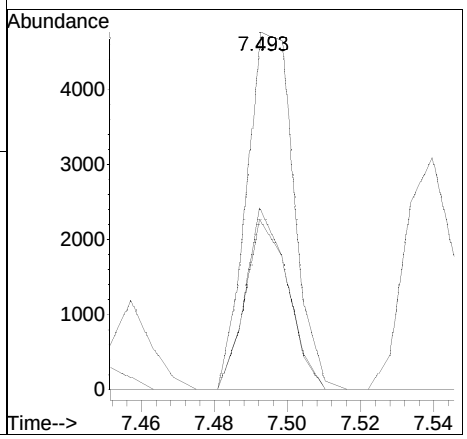


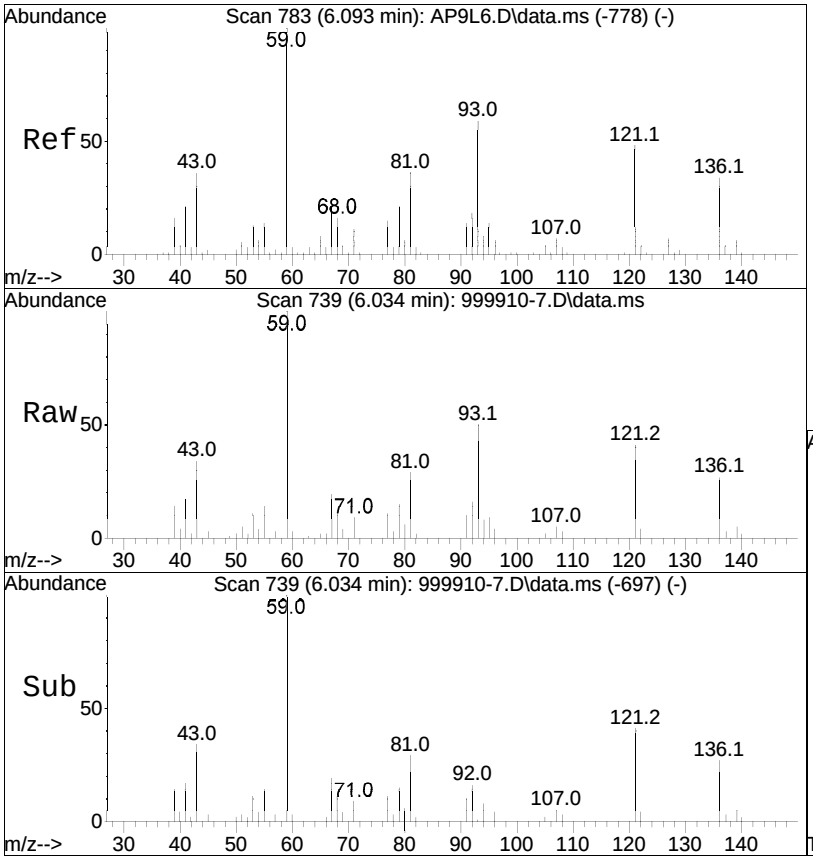


#53
2,6-Dinitrotoluene
Concen: 1.53 ug/ml
RT: 7.493 min Scan# 987
Delta R.T. -0.006 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:165 Resp: 4267

Ion	Ratio	Lower	Upper
165	100		
89	44.9	48.8	73.2#
63	44.0	50.5	75.7#

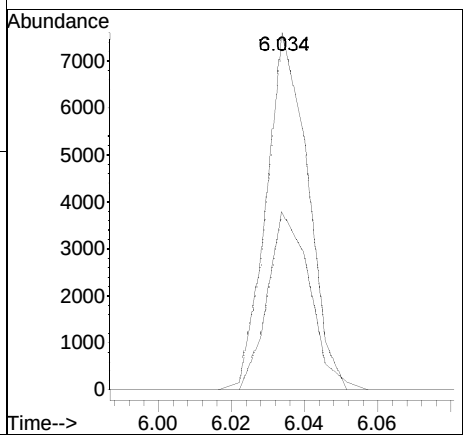


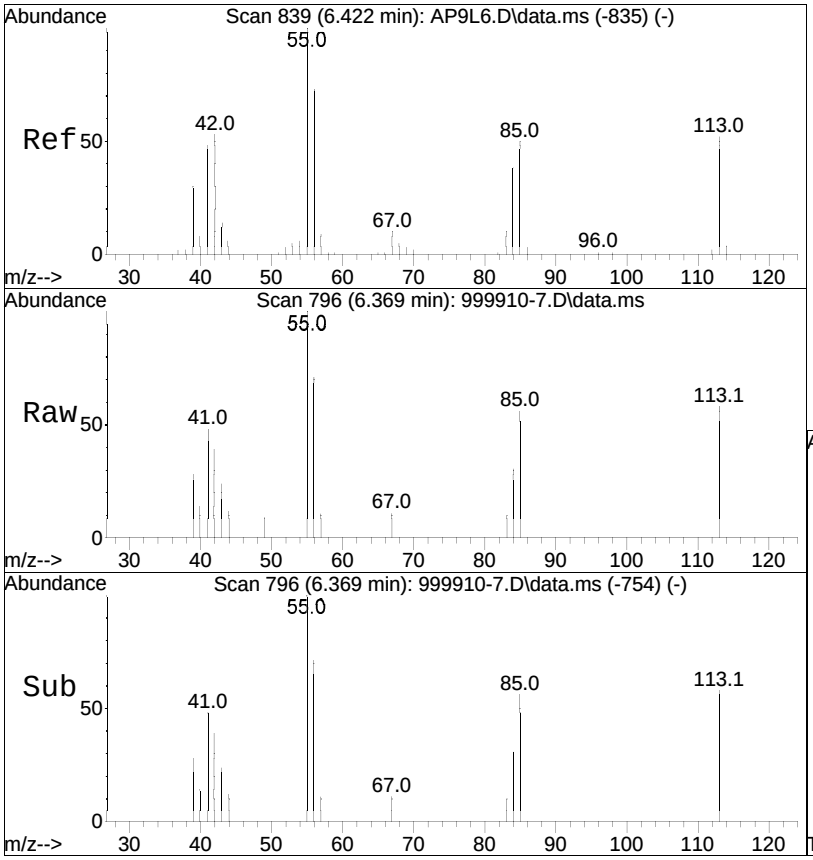


#56
a-Terpineol
Concen: 1.33 ug/ml
RT: 6.034 min Scan# 739
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 59 Resp: 5939

Ion	Ratio	Lower	Upper
59	100		
93	50.9	43.5	65.3

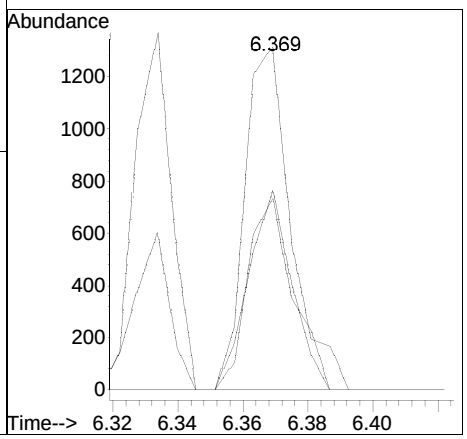


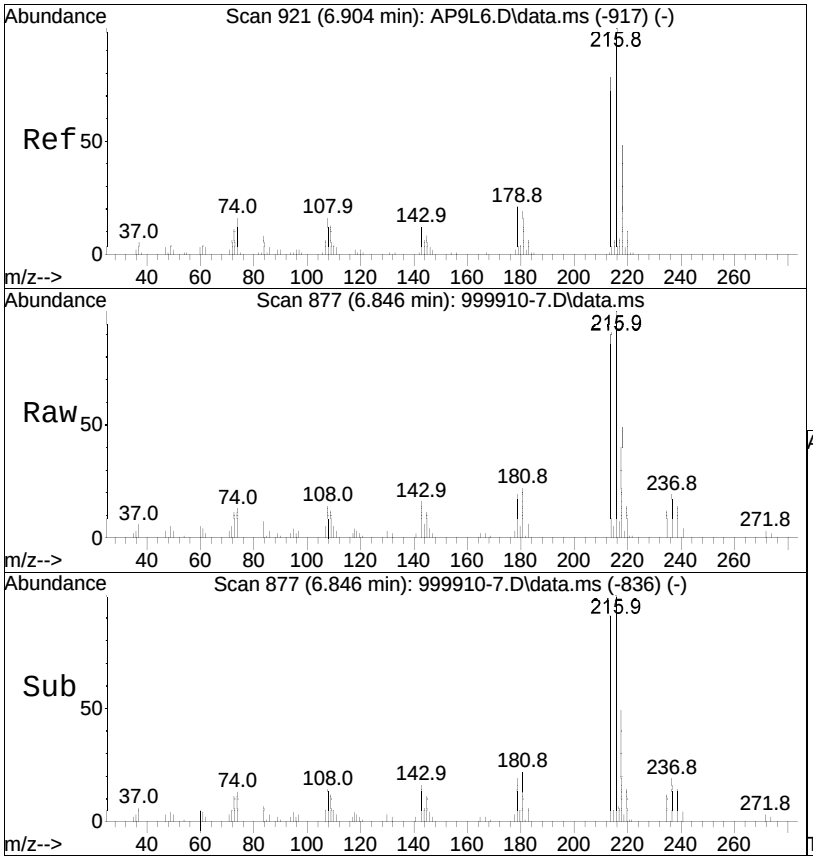


#60
Caprolactam
Concen: 0.91 ug/ml
RT: 6.369 min Scan# 796
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 55 Resp: 1303

Ion	Ratio	Lower	Upper
55	100		
85	54.4	35.2	52.8#
113	54.5	36.6	55.0

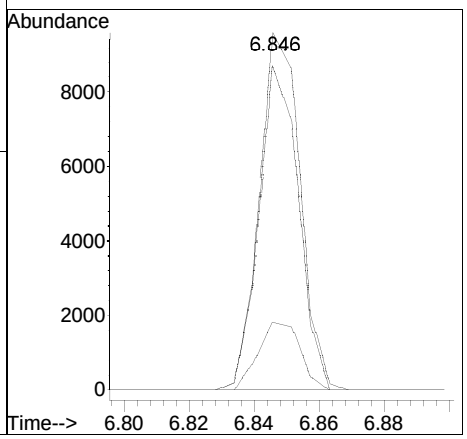


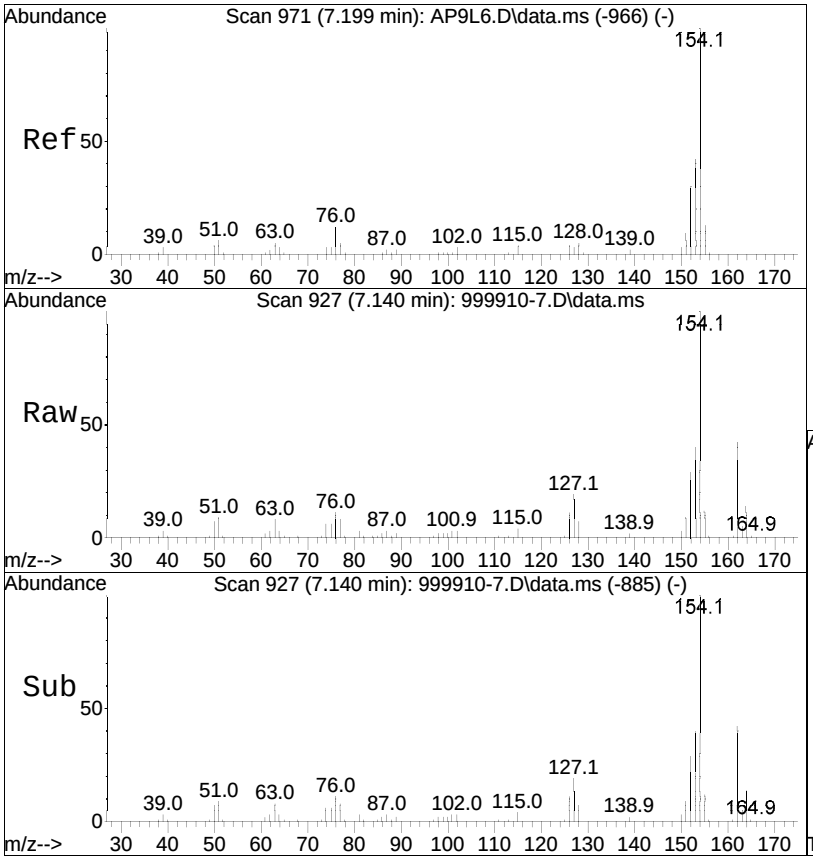


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.07 ug/ml
RT: 6.846 min Scan# 877
Delta R.T. -0.006 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:216 Resp: 8316

Ion	Ratio	Lower	Upper
216	100		
214	87.7	64.0	96.0
179	19.6	18.7	28.1

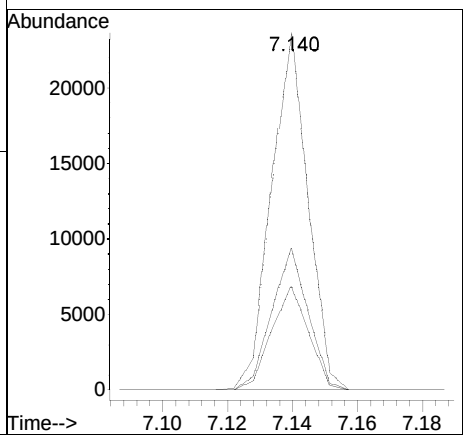


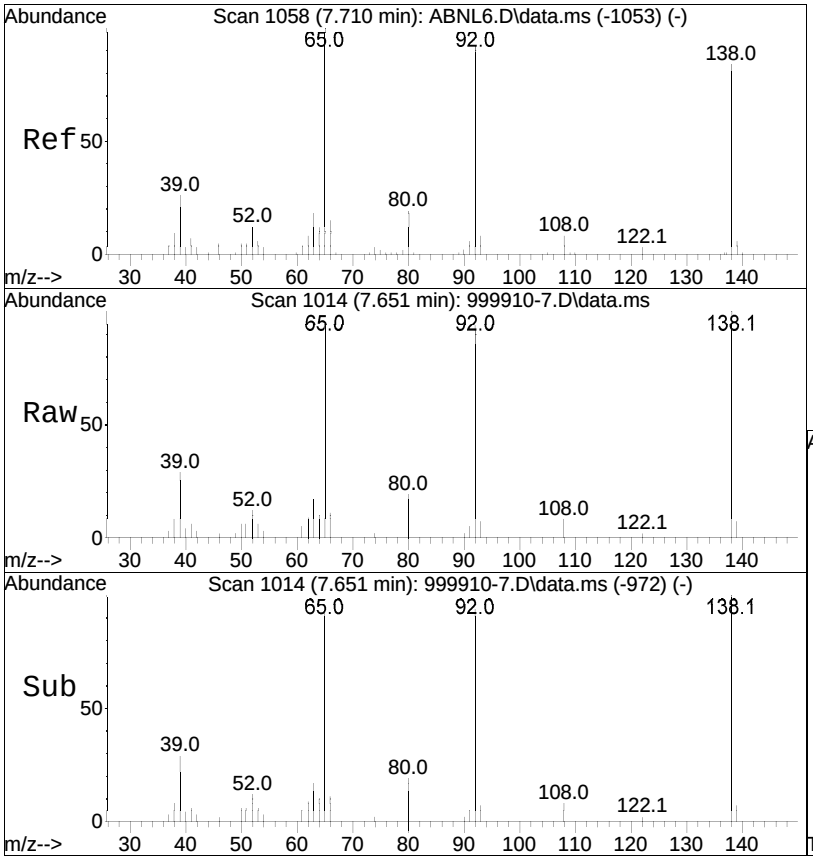


#62
Biphenyl
Concen: 1.11 ug/ml
RT: 7.140 min Scan# 927
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:154 Resp: 18346

Ion	Ratio	Lower	Upper
154	100		
153	39.7	32.5	48.7
152	29.5	22.6	34.0

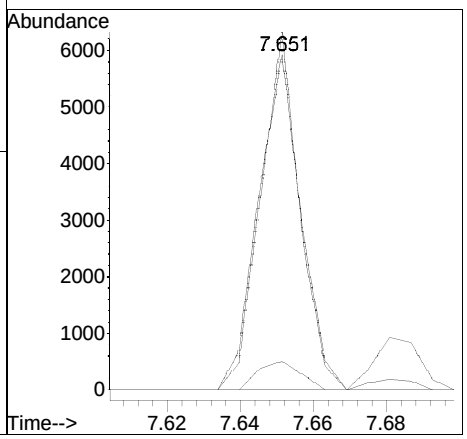


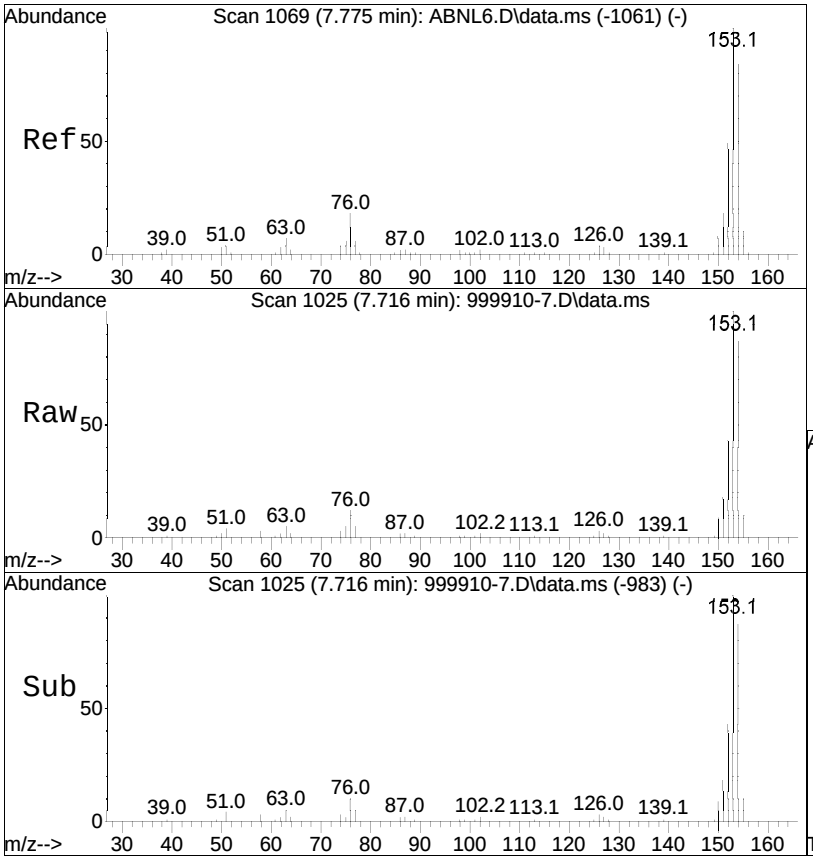


#64
3-Nitroaniline
Concen: 1.44 ug/ml
RT: 7.651 min Scan# 1014
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:138 Resp: 4618

Ion	Ratio	Lower	Upper
138	100		
92	103.3	92.8	139.2
108	17.6	7.9	11.9#

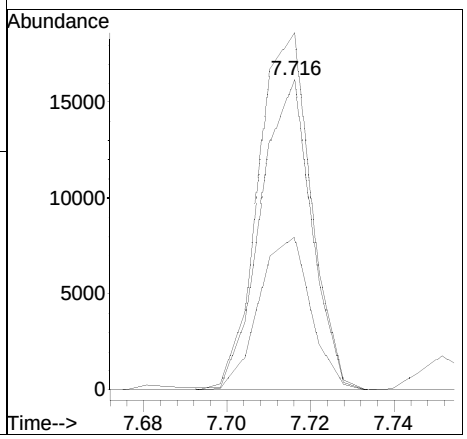


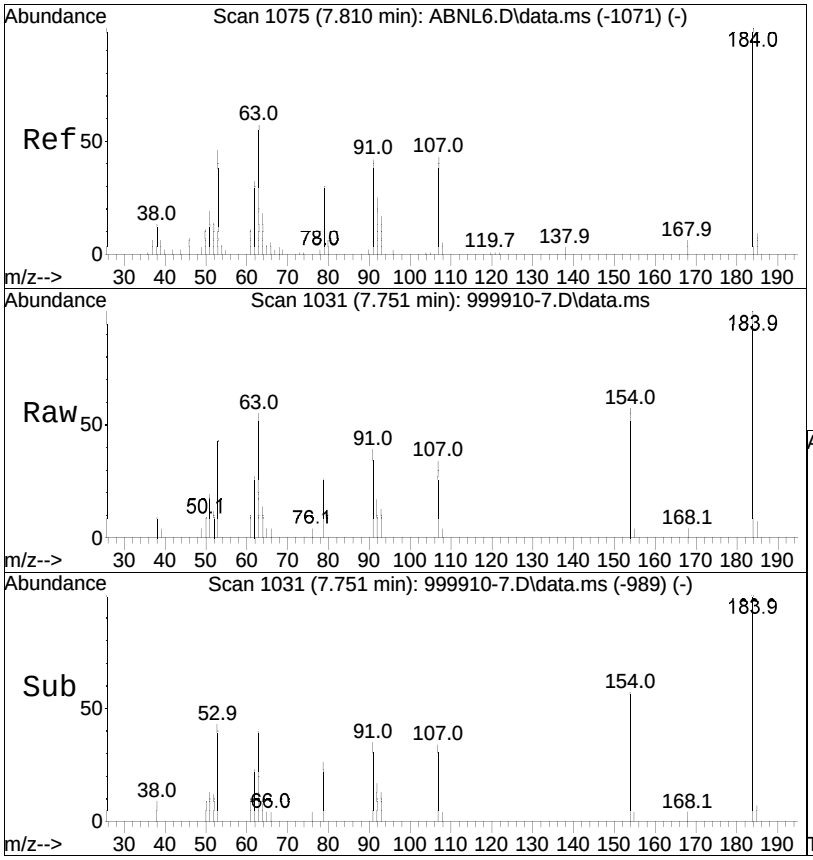


#65
Acenaphthene
Concen: 1.14 ug/ml
RT: 7.716 min Scan# 1025
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:154 Resp: 13654

Ion	Ratio	Lower	Upper
154	100		
153	119.8	93.0	139.4
152	50.5	43.3	64.9

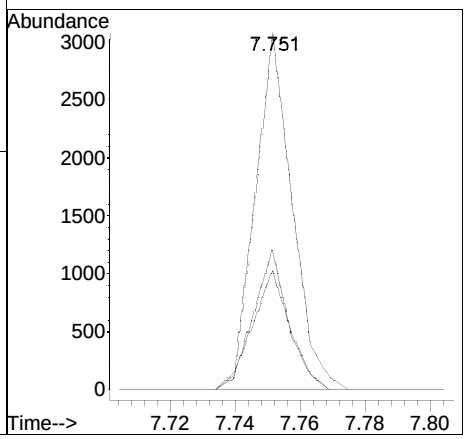


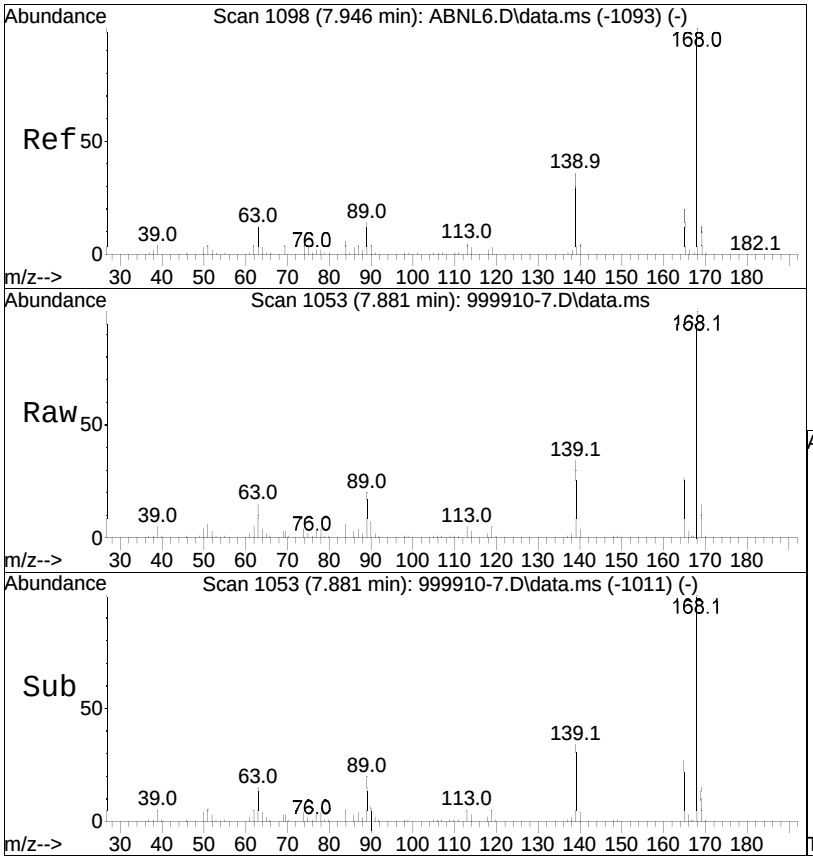


#66
2,4-Dinitrophenol
Concen: 1.68 ug/ml
RT: 7.751 min Scan# 1031
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:184 Resp: 2403

Ion	Ratio	Lower	Upper
184	100		
107	34.9	41.8	62.6#
91	37.7	44.2	66.2#

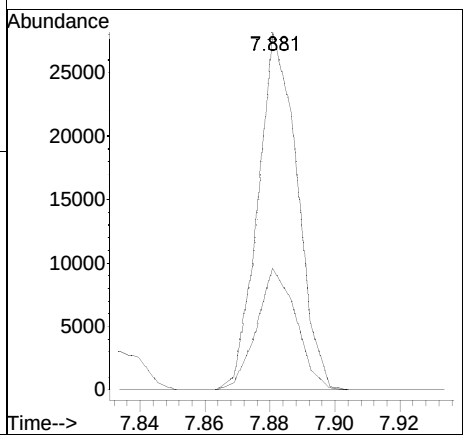


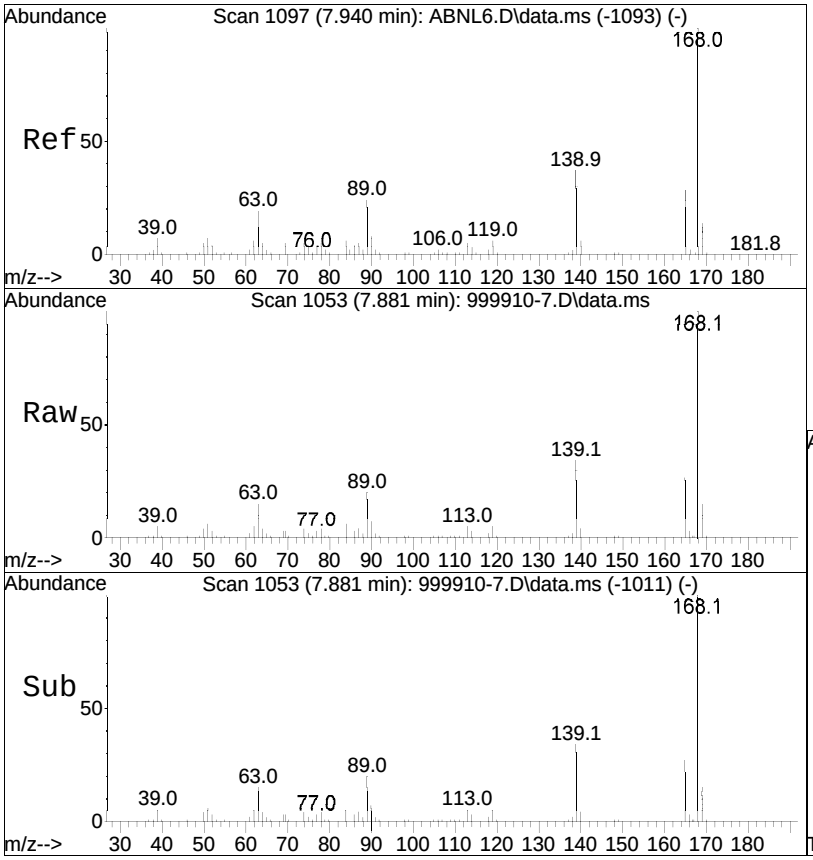


#67
Dibenzofuran
Concen: 1.19 ug/ml
RT: 7.881 min Scan# 1053
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:168 Resp: 23386

Ion	Ratio	Lower	Upper
168	100		
139	34.5	32.3	48.5

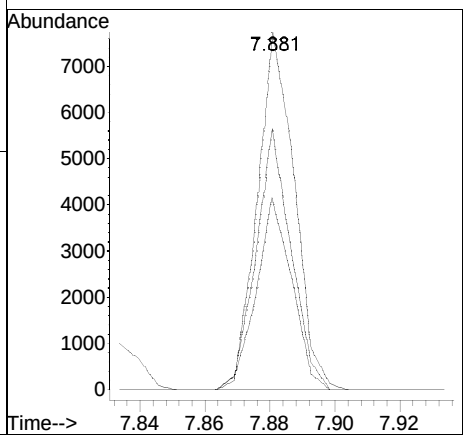


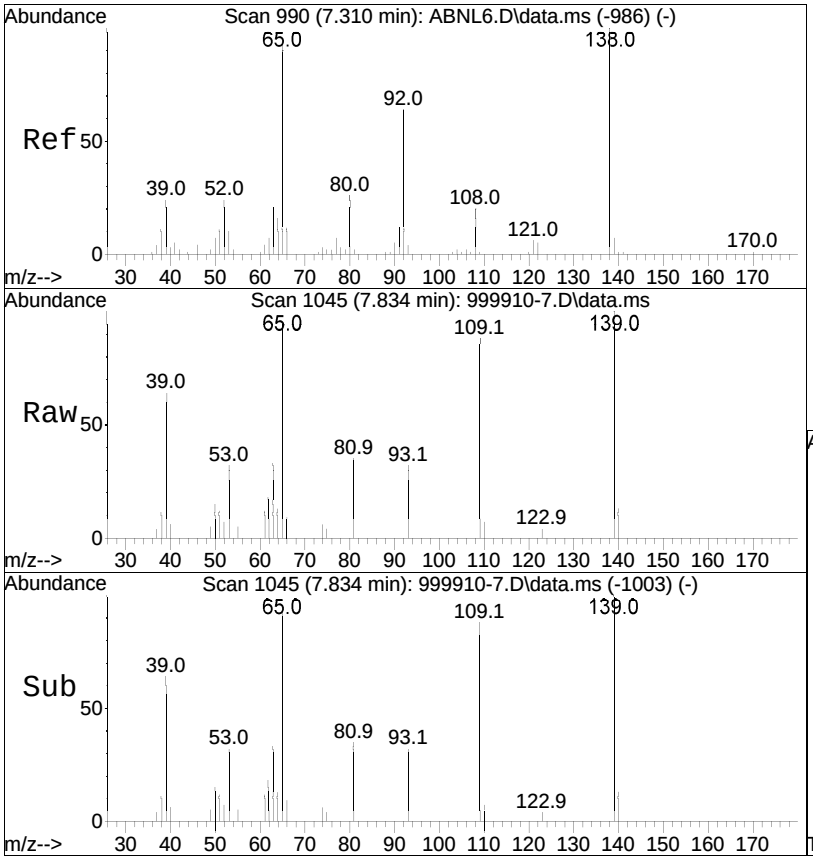


#68
2,4-Dinitrotoluene
Concen: 1.47 ug/ml
RT: 7.881 min Scan# 1053
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:165 Resp: 6040

Ion	Ratio	Lower	Upper
165	100		
89	69.4	73.0	109.4#
63	52.0	56.3	84.5#

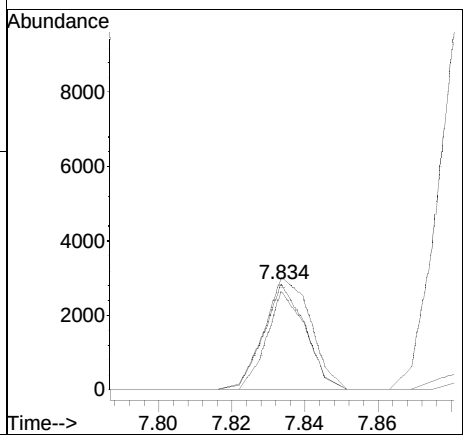


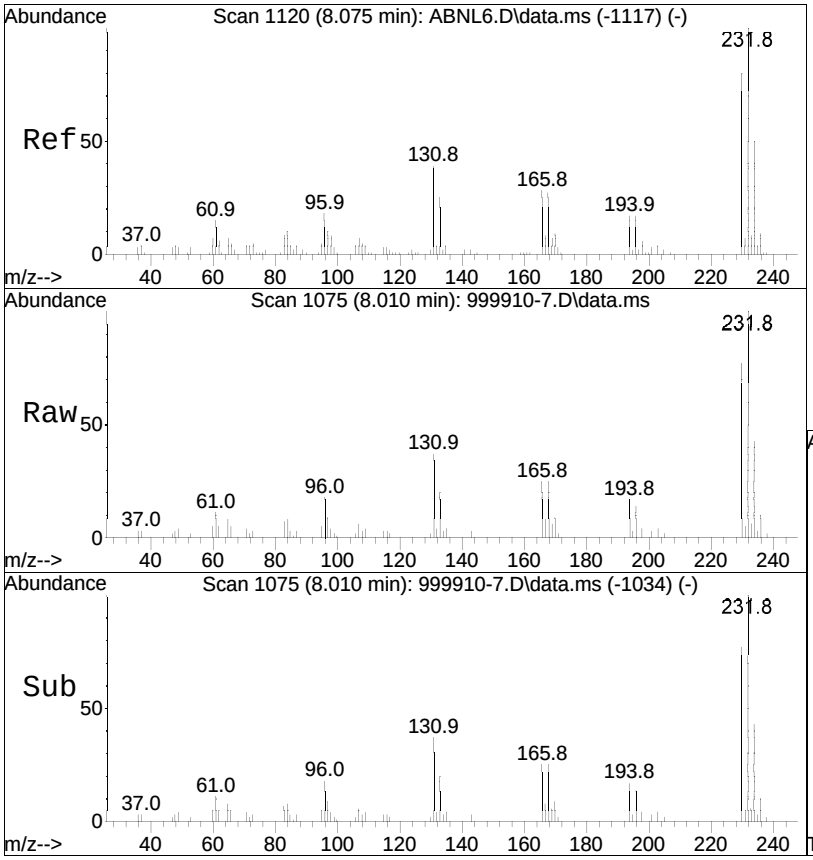


#69
4-Nitrophenol
Concen: 0.72 ug/ml
RT: 7.834 min Scan# 1045
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 65 Resp: 2233

Ion	Ratio	Lower	Upper
65	100		
109	89.1	60.2	90.2
139	119.3	81.1	121.7

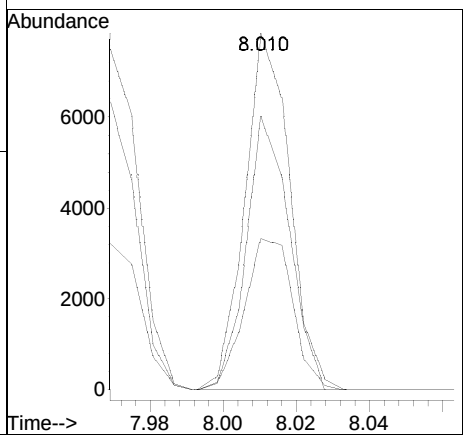


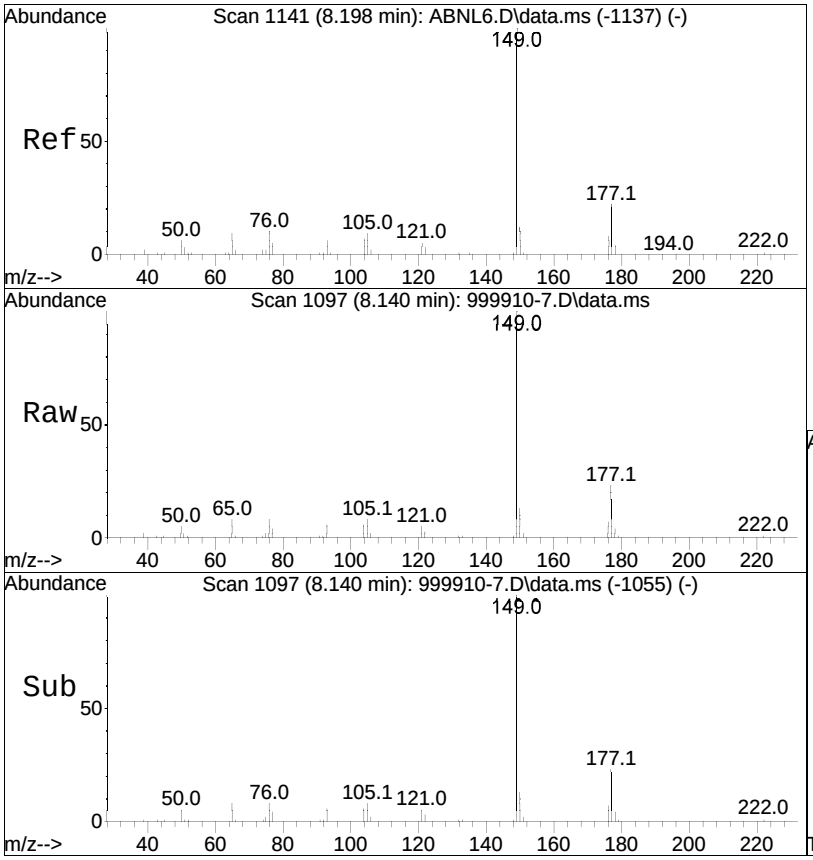


#71
2,3,4,6-Tetrachlorophenol
Concen: 1.70 ug/ml
RT: 8.010 min Scan# 1075
Delta R.T. -0.006 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:232 Resp: 6718

Ion	Ratio	Lower	Upper
232	100		
230	73.7	63.8	95.8
234	45.9	39.0	58.6

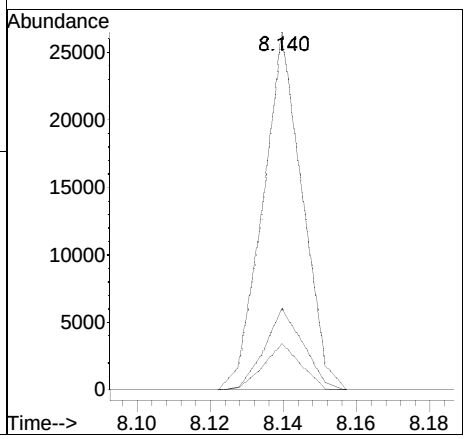


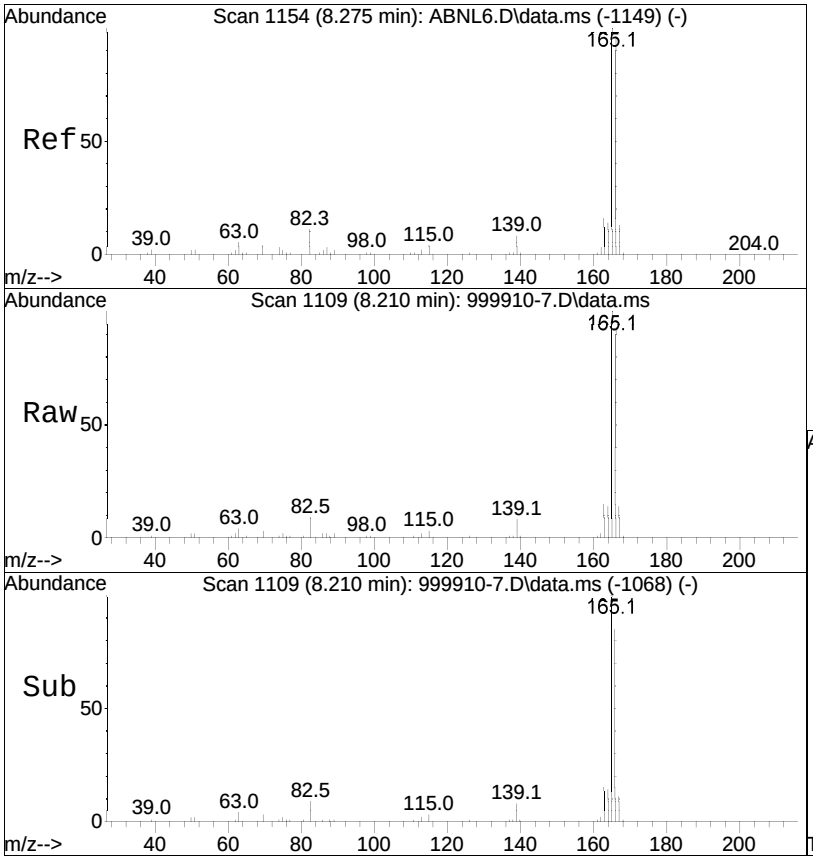


#72
Diethyl phthalate
Concen: 1.23 ug/ml
RT: 8.140 min Scan# 1097
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:149 Resp: 19637

Ion	Ratio	Lower	Upper
149	100		
177	22.5	15.0	22.6
150	12.5	9.8	14.6

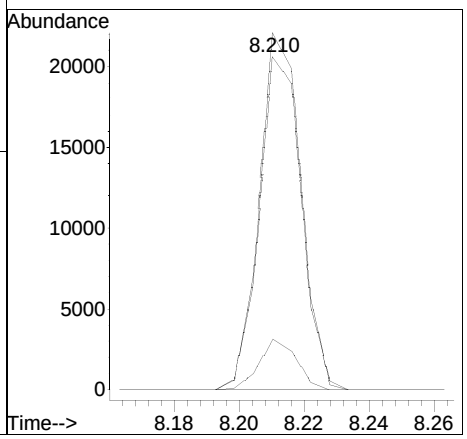


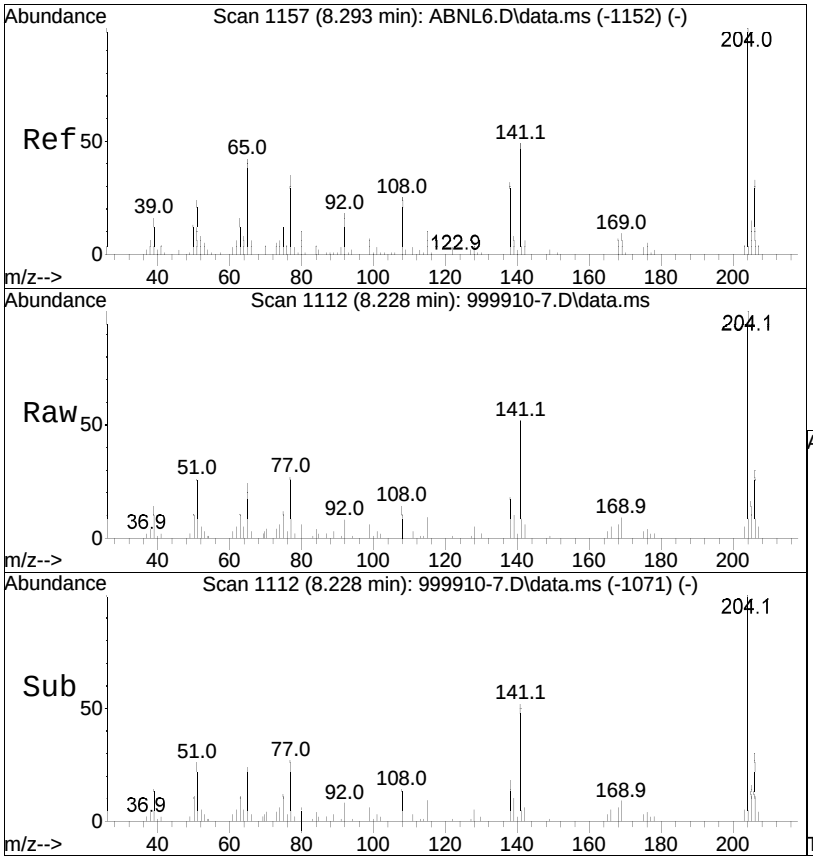


#73
Fluorene
Concen: 1.21 ug/ml
RT: 8.210 min Scan# 1109
Delta R.T. -0.006 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:166 Resp: 18493

Ion	Ratio	Lower	Upper
166	100		
165	105.9	80.0	120.0
167	13.5	10.7	16.1

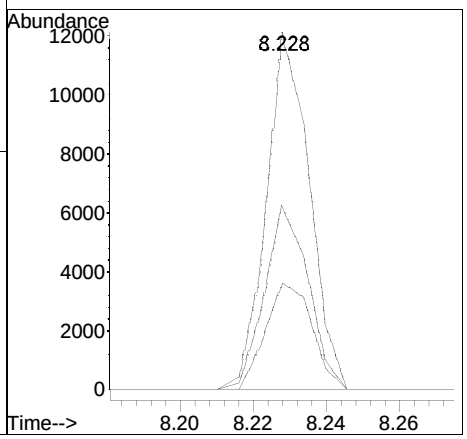


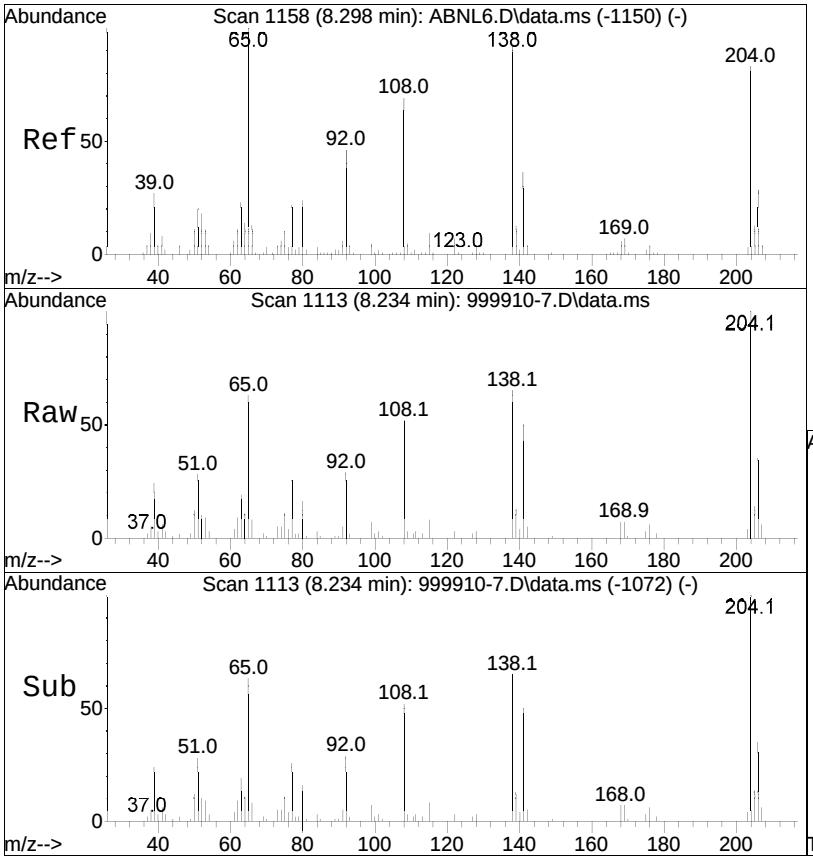


#74
4-Chlorophenyl phenyl ether
Concen: 1.17 ug/ml
RT: 8.228 min Scan# 1112
Delta R.T. -0.006 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:204 Resp: 9797

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.3	39.5
141	52.4	58.4	87.6#

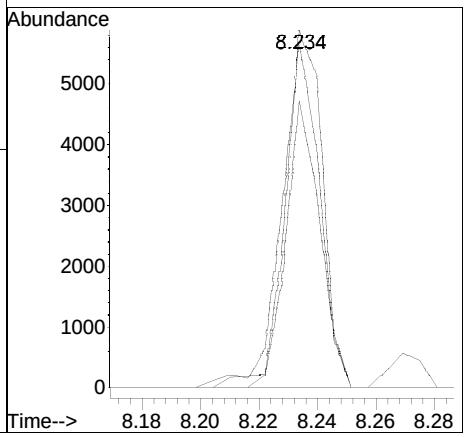


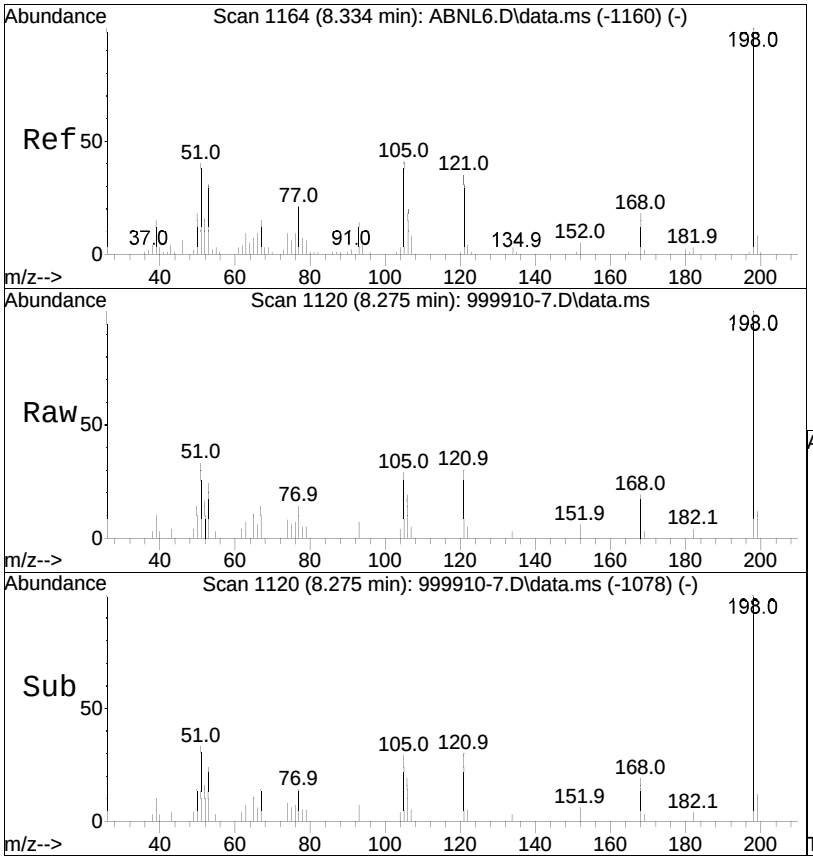


#75
4-Nitroaniline
Concen: 1.54 ug/ml
RT: 8.234 min Scan# 1113
Delta R.T. -0.006 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:138 Resp: 5166

Ion	Ratio	Lower	Upper
138	100		
108	73.2	59.2	88.8
65	98.3	97.6	146.4

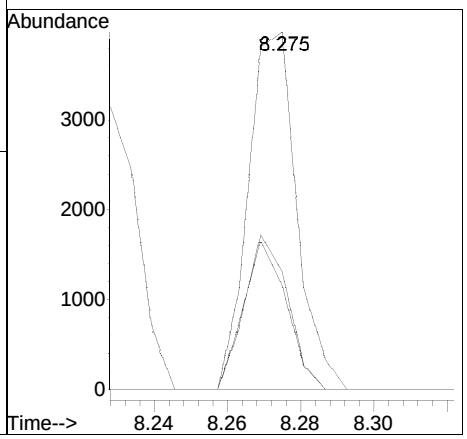


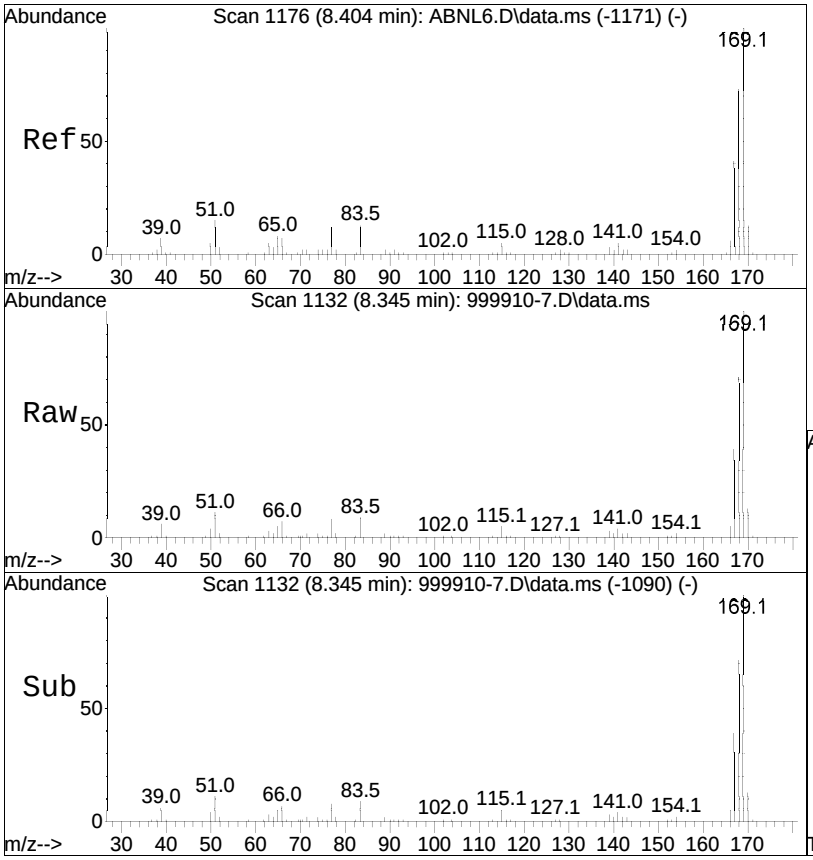


#76
4,6-Dinitro-o-cresol
Concen: 1.55 ug/ml
RT: 8.275 min Scan# 1120
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:198 Resp: 3645

Ion	Ratio	Lower	Upper
198	100		
51	38.7	49.9	74.9#
105	36.9	45.8	68.6#

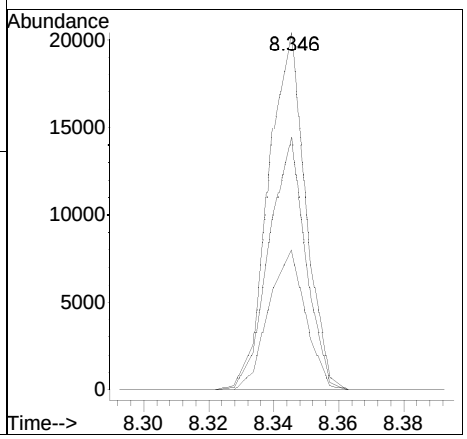


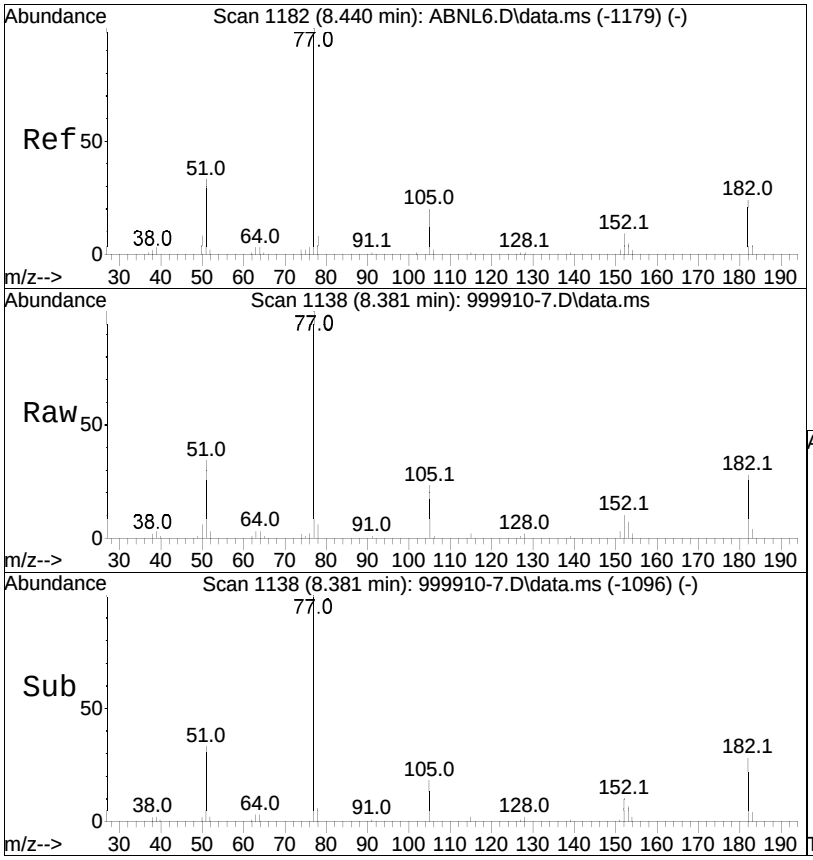


#77
NDPA/DPA
Concen: 1.22 ug/ml
RT: 8.345 min Scan# 1132
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:169 Resp: 16105

Ion	Ratio	Lower	Upper
169	100		
168	70.2	55.2	82.8
167	39.3	30.4	45.6

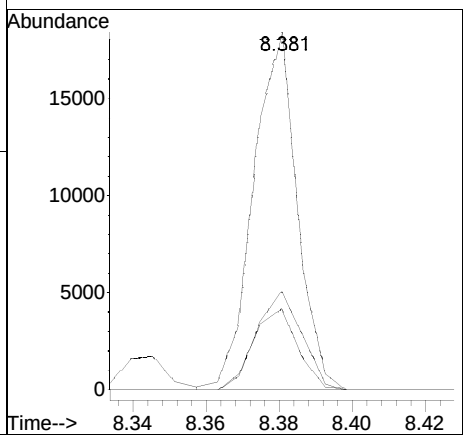


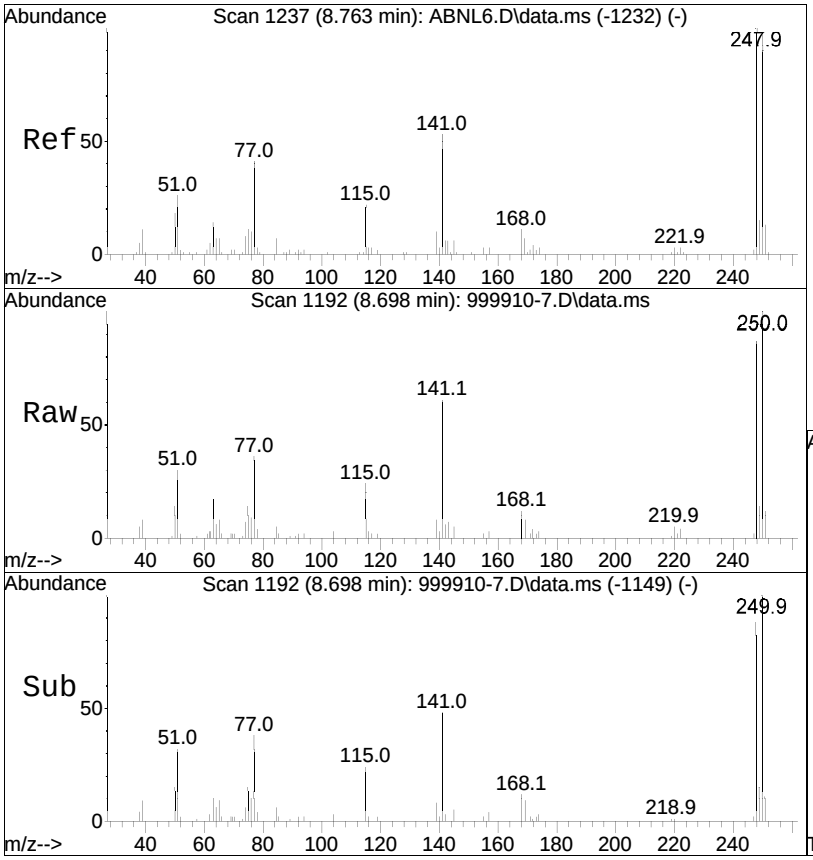


#78
Azobenzene
Concen: 1.09 ug/ml
RT: 8.381 min Scan# 1138
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion: 77 Resp: 15164

Ion	Ratio	Lower	Upper
77	100		
182	28.7	16.2	24.2#
105	23.4	17.9	26.9

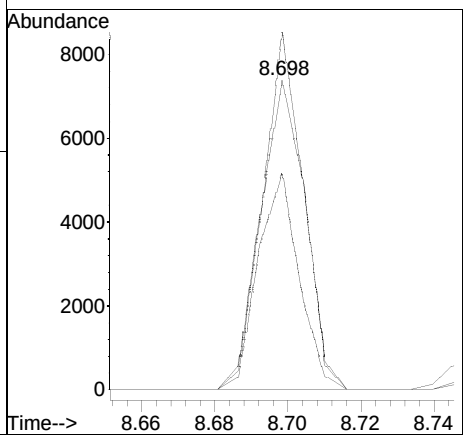


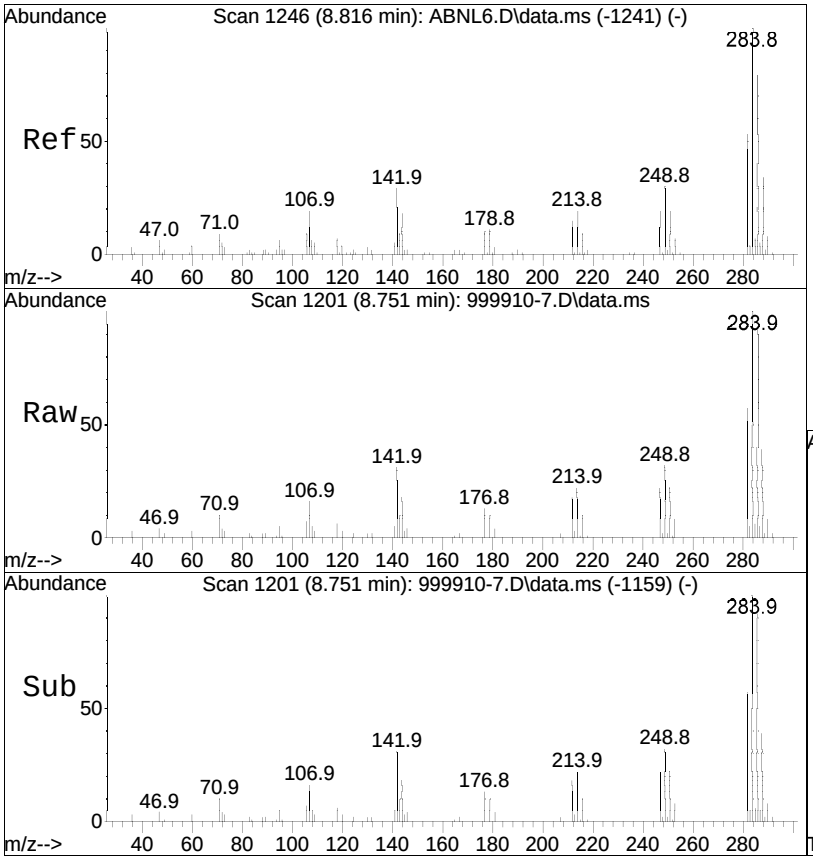


#80
4-Bromophenyl phenyl ether
Concen: 1.16 ug/ml
RT: 8.698 min Scan# 1192
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:248 Resp: 6216

Ion	Ratio	Lower	Upper
248	100		
141	64.3	74.6	111.8#
250	105.1	76.9	115.3

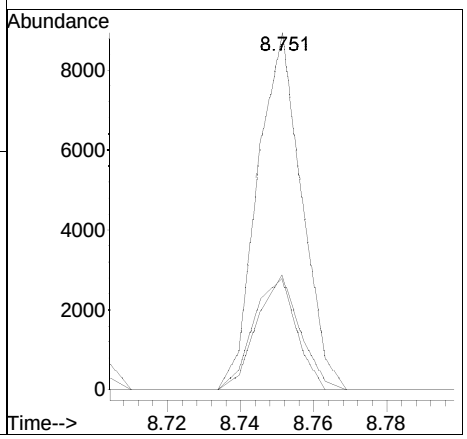


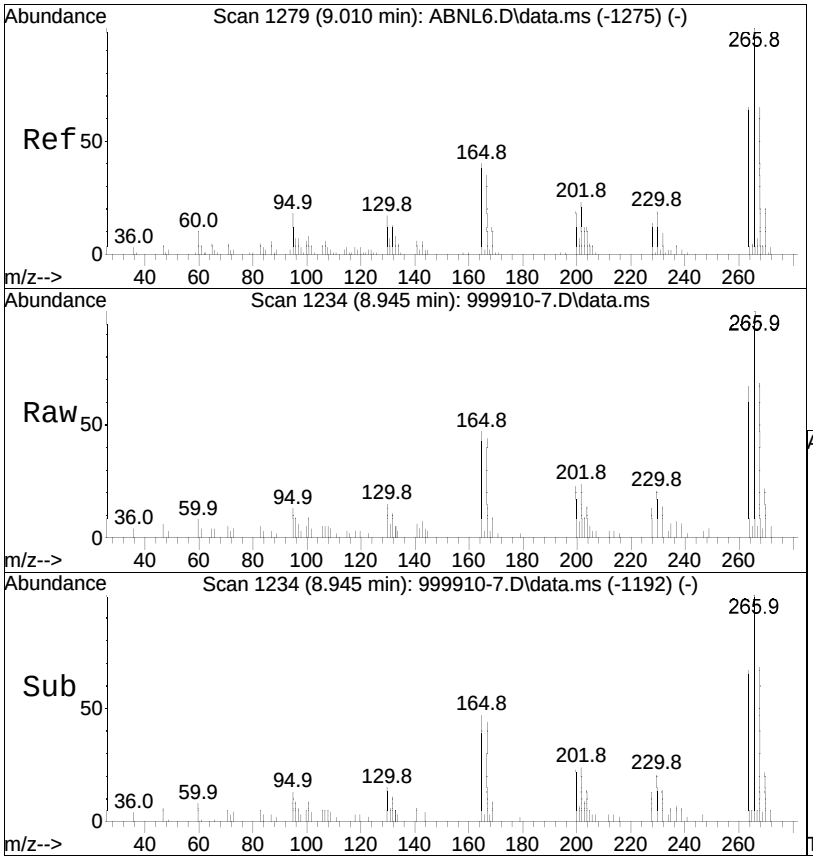


#81
Hexachlorobenzene
Concen: 1.11 ug/ml
RT: 8.751 min Scan# 1201
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:284 Resp: 7479

Ion	Ratio	Lower	Upper
284	100		
142	30.6	37.6	56.4#
249	31.4	25.4	38.2

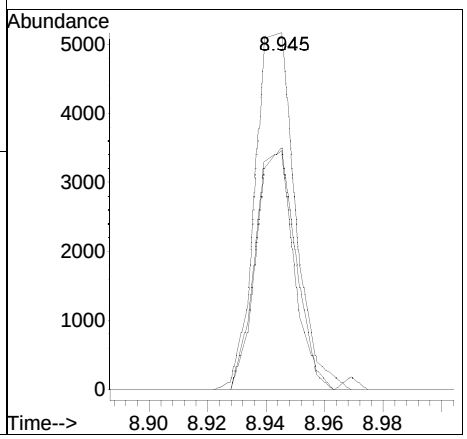


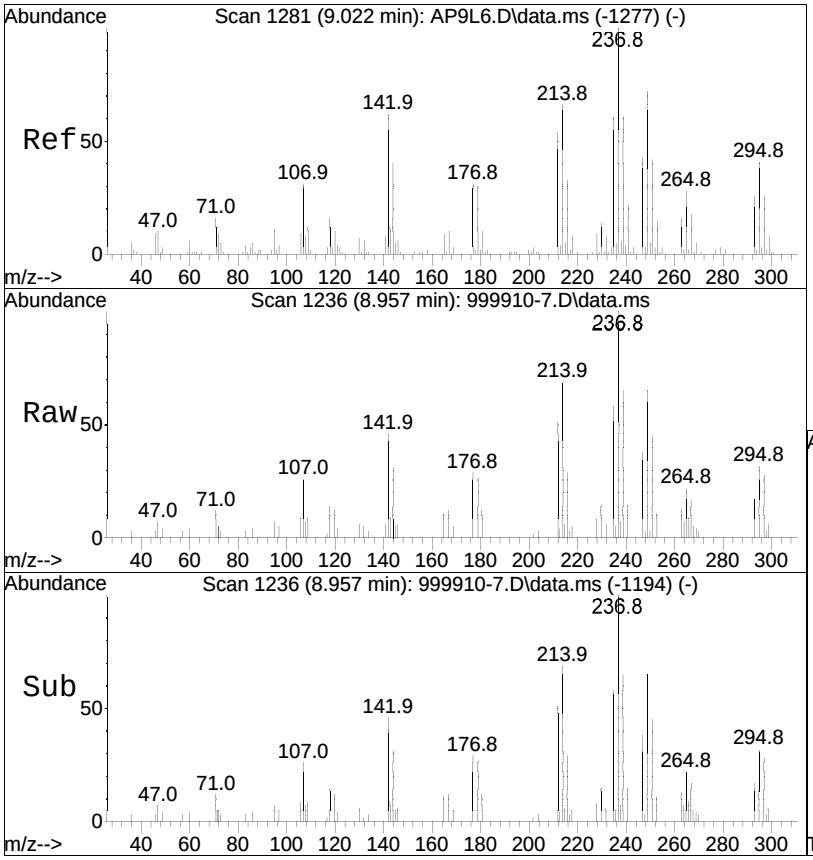


#82
Pentachlorophenol
Concen: 1.44 ug/ml
RT: 8.945 min Scan# 1234
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:266 Resp: 4951

Ion	Ratio	Lower	Upper
266	100		
264	66.0	50.7	76.1
268	66.0	52.5	78.7

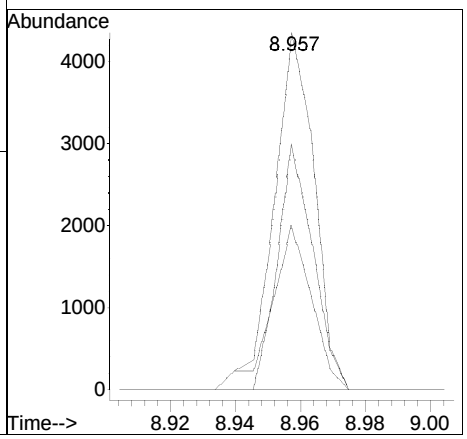


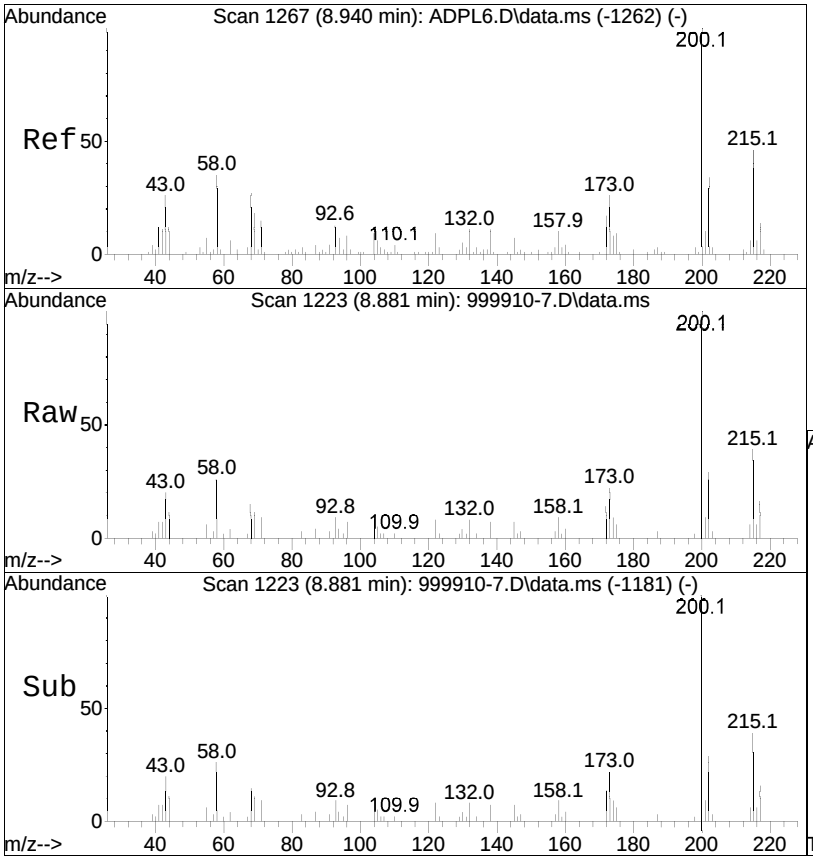


#85
Pentachloronitrobenzene
Concen: 1.49 ug/ml
RT: 8.957 min Scan# 1236
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:237 Resp: 3739

Ion	Ratio	Lower	Upper
237	100		
142	46.4	70.3	105.5#
214	60.7	59.4	89.2

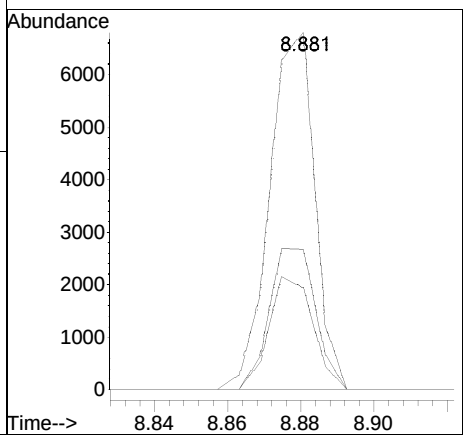


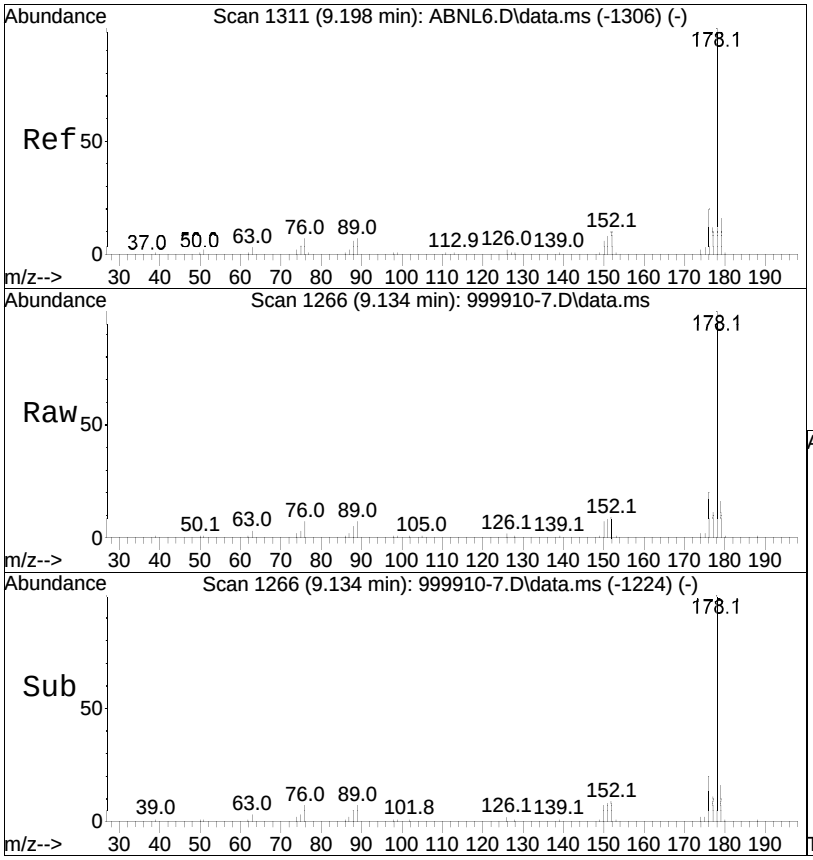


#87
Atrazine
Concen: 1.23 ug/ml
RT: 8.881 min Scan# 1223
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:200 Resp: 5791

Ion	Ratio	Lower	Upper
200	100		
202	31.1	25.0	37.6
215	40.8	34.5	51.7

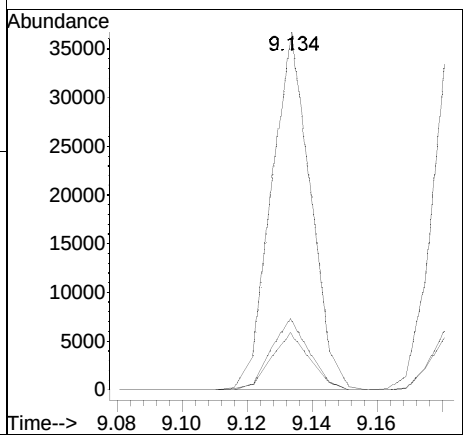


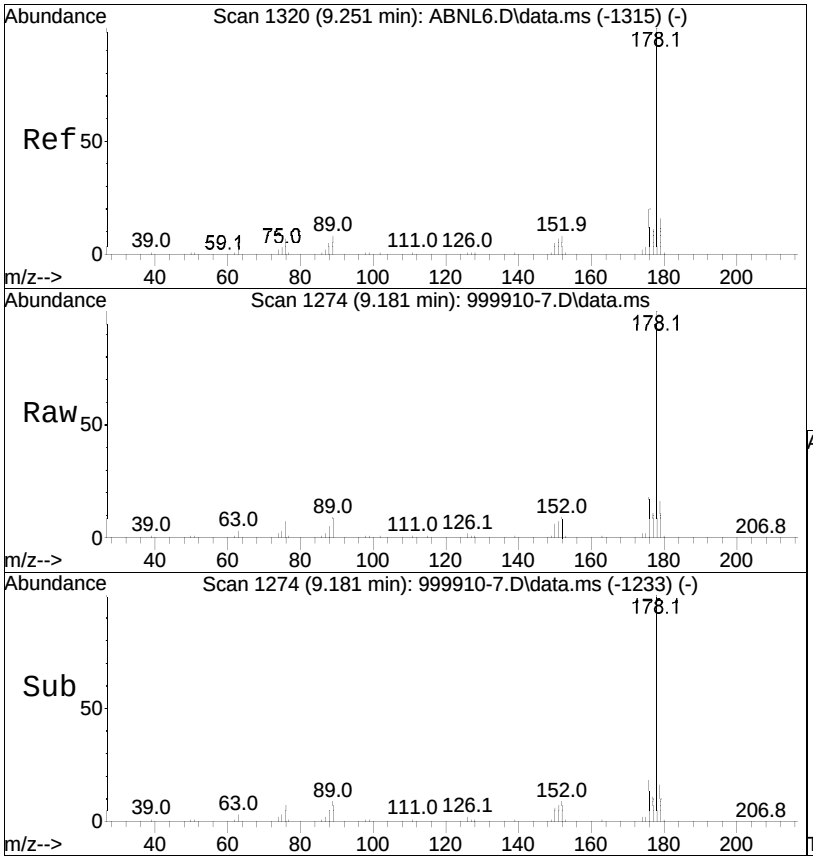


#89
Phenanthrene
Concen: 1.34 ug/ml
RT: 9.134 min Scan# 1266
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:178 Resp: 30690

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	19.3	15.4	23.2

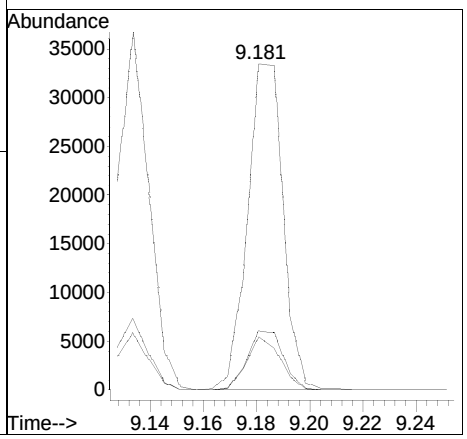


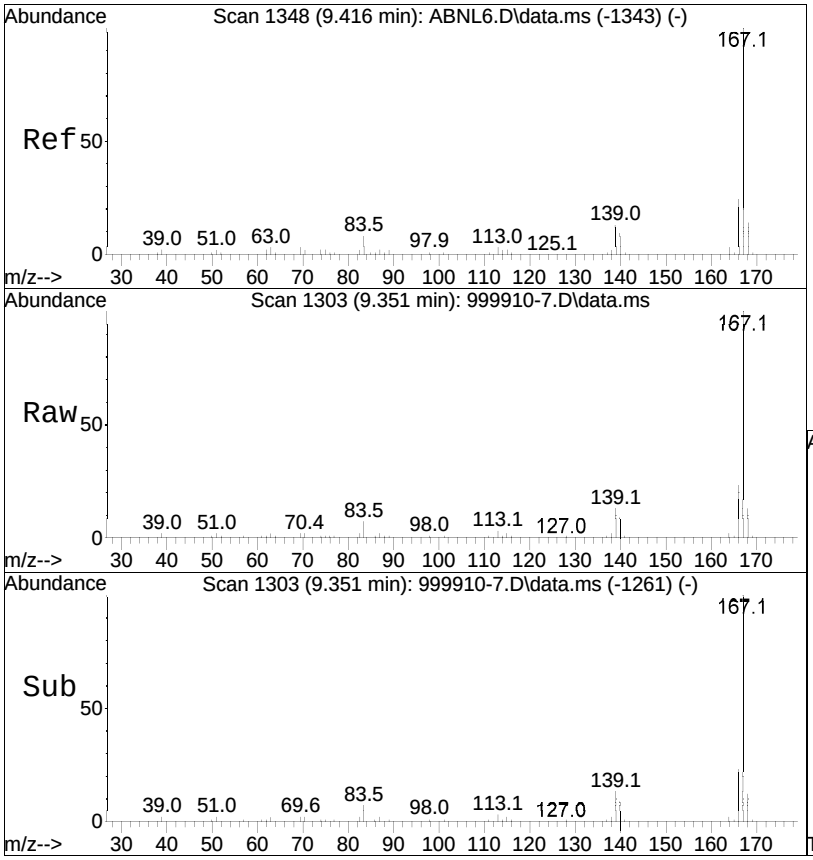


#90
Anthracene
Concen: 1.38 ug/ml
RT: 9.181 min Scan# 1274
Delta R.T. -0.006 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:178 Resp: 31141

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2
176	18.4	15.1	22.7

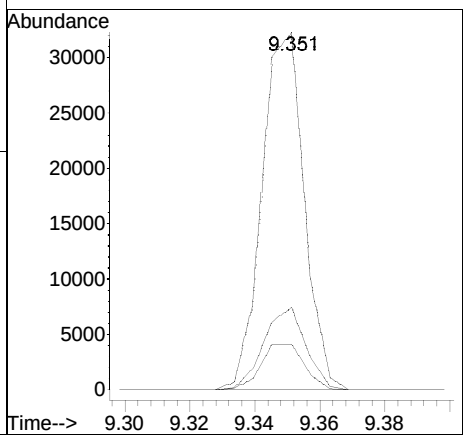


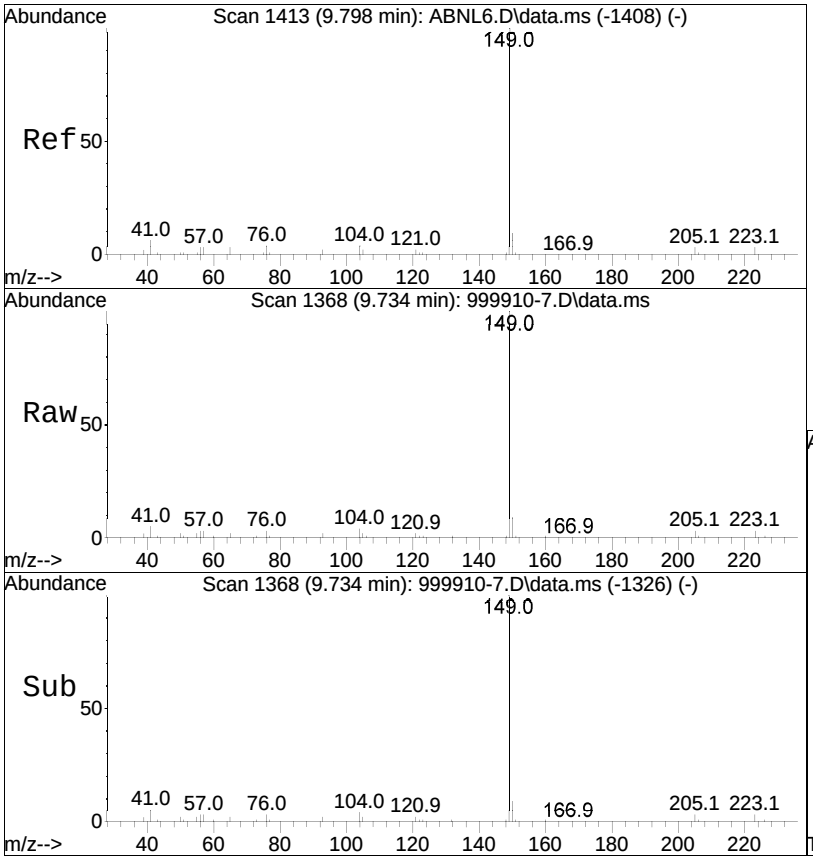


#91
Carbazole
Concen: 1.40 ug/ml
RT: 9.351 min Scan# 1303
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:167 Resp: 28835

Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.8	16.2
166	23.1	17.7	26.5

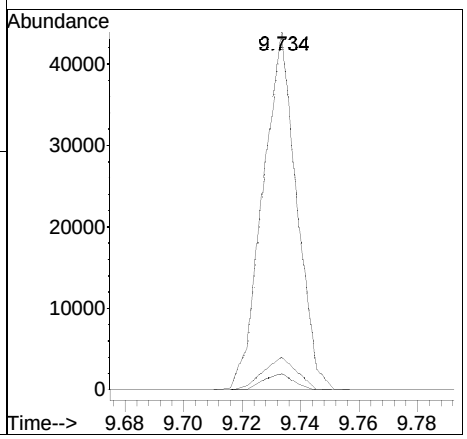


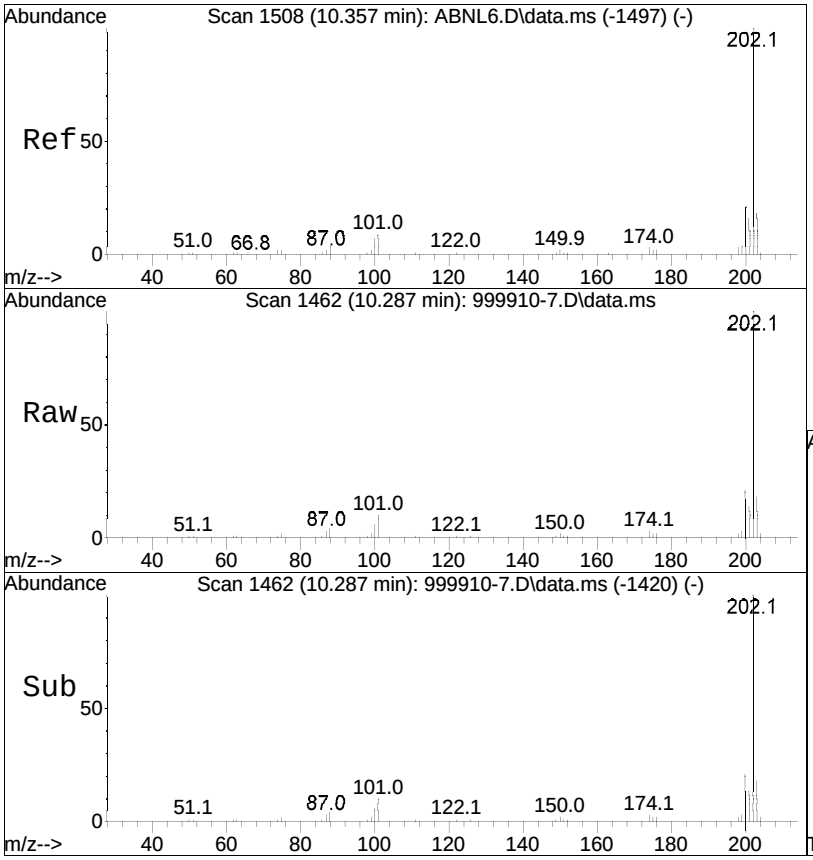


#92
Di-n-butylphthalate
Concen: 1.55 ug/ml
RT: 9.734 min Scan# 1368
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:149 Resp: 34825

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.2	4.0	6.0

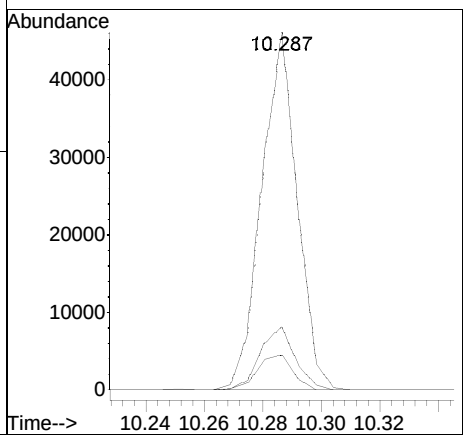


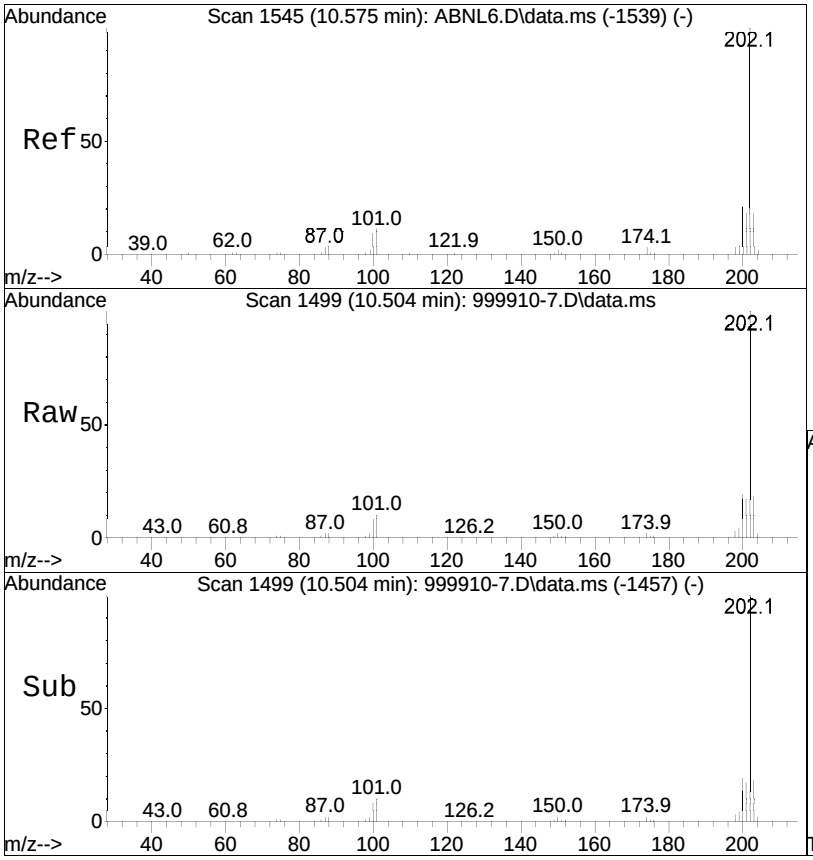


#93
Fluoranthene
Concen: 1.44 ug/ml
RT: 10.287 min Scan# 1462
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:202 Resp: 38543

Ion	Ratio	Lower	Upper
202	100		
101	9.8	11.2	16.8#
203	17.5	13.7	20.5

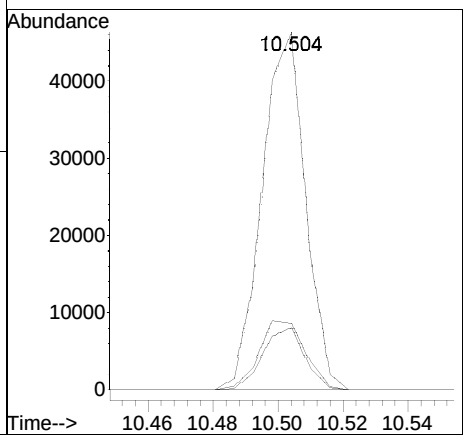


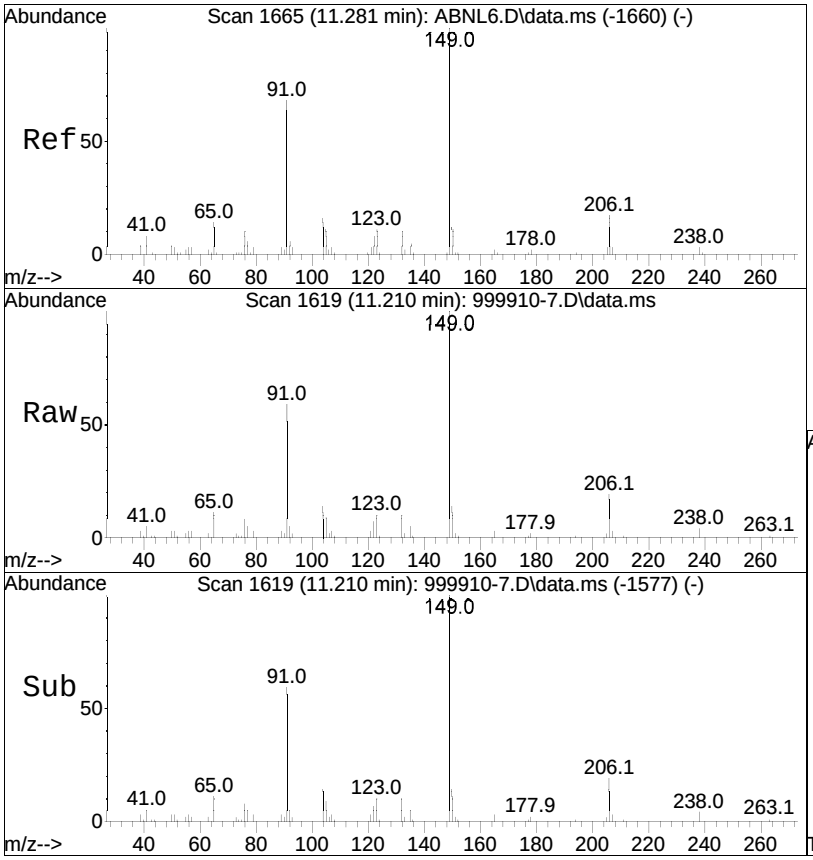


#95
Pyrene
Concen: 1.50 ug/ml
RT: 10.504 min Scan# 1499
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:202 Resp: 42486

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.0	14.3	21.5

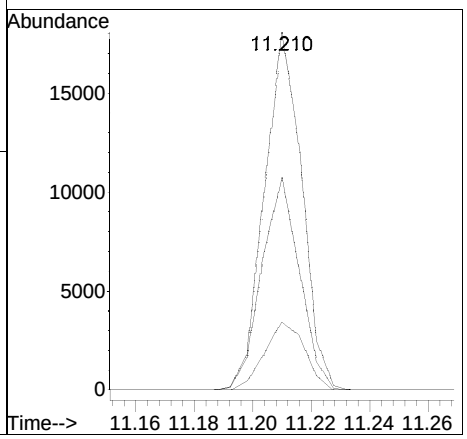


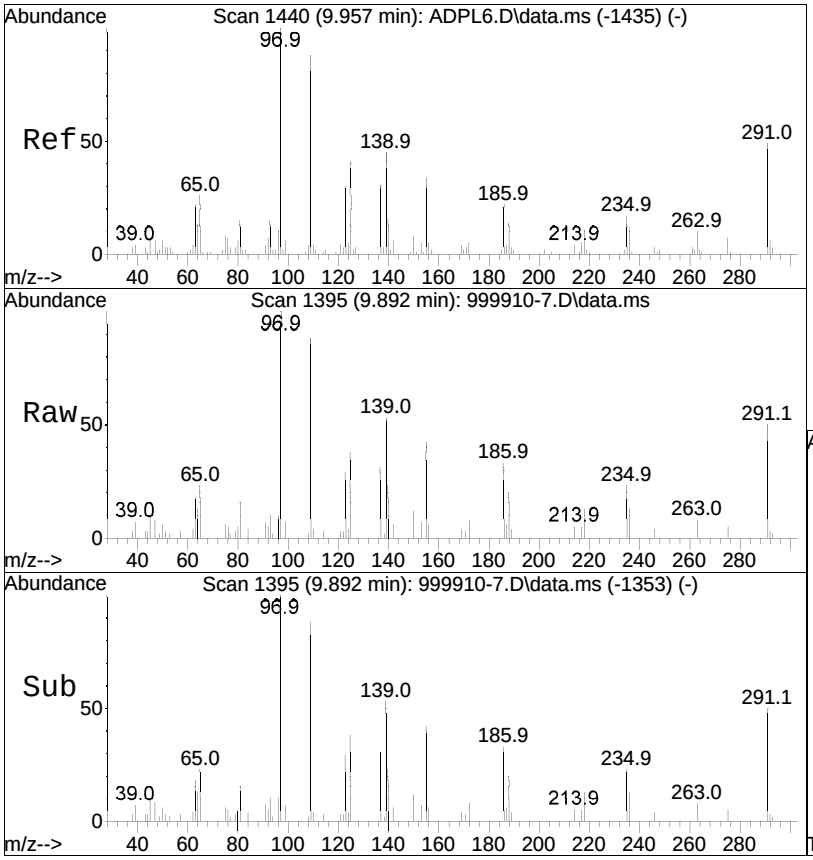


#97
Butyl benzyl phthalate
Concen: 1.60 ug/ml
RT: 11.210 min Scan# 1619
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:149 Resp: 15925

Ion	Ratio	Lower	Upper
149	100		
91	60.3	57.9	86.9
206	20.4	11.9	17.9#

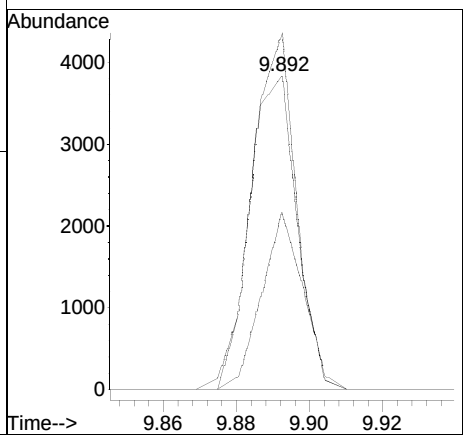


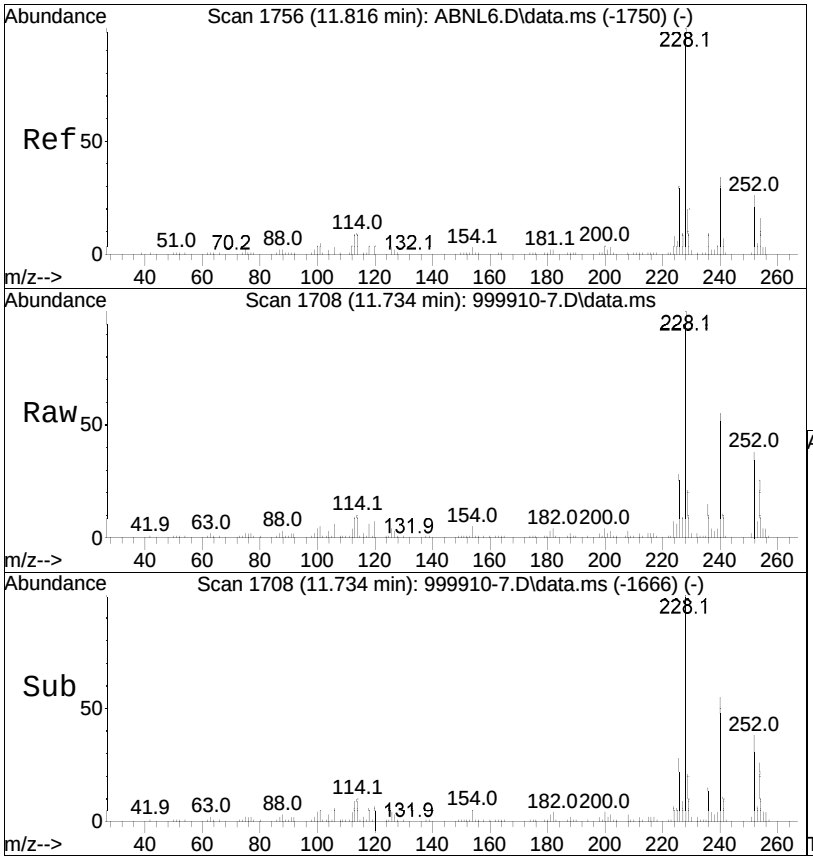


#102
Parathion
Concen: 1.88 ug/ml
RT: 9.892 min Scan# 1395
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:109 Resp: 3416

Ion	Ratio	Lower	Upper
109	100		
97	107.6	85.4	128.2
291	49.9	25.4	38.2#

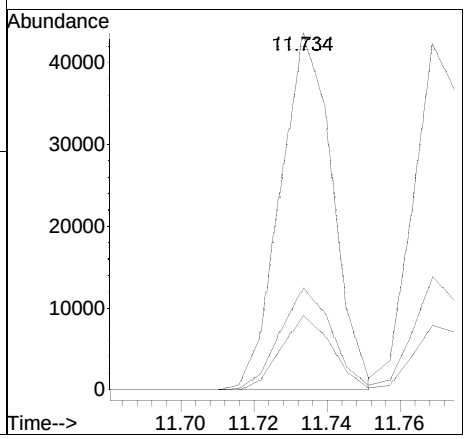


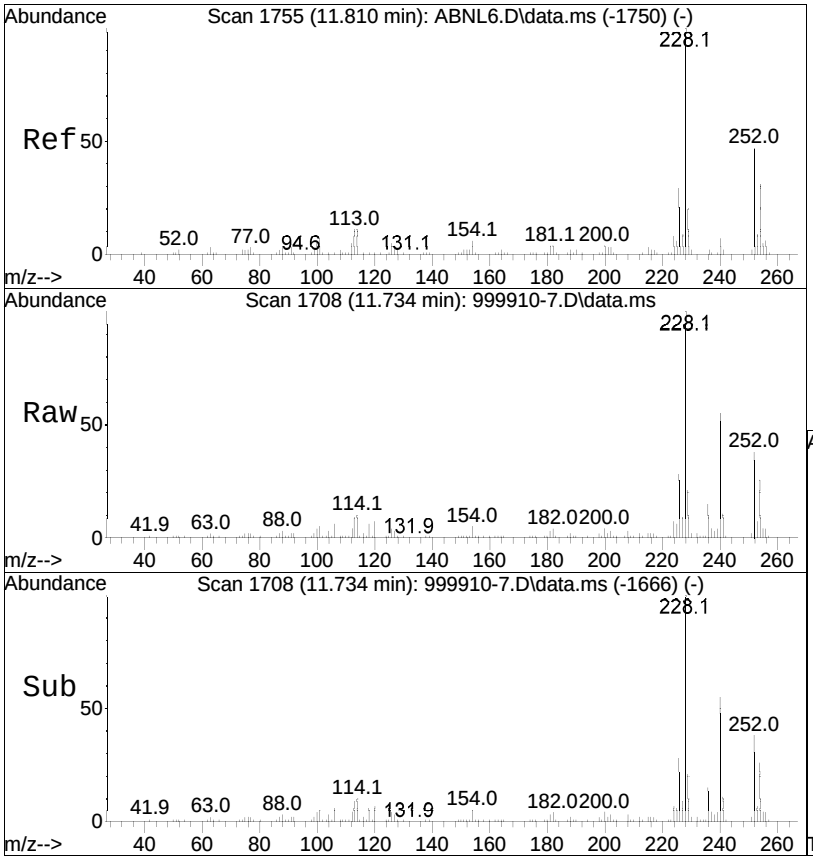


#105
Benzo(a)anthracene
Concen: 1.35 ug/ml
RT: 11.734 min Scan# 1708
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:228 Resp: 43238

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	34.0
229	20.2	15.8	23.6

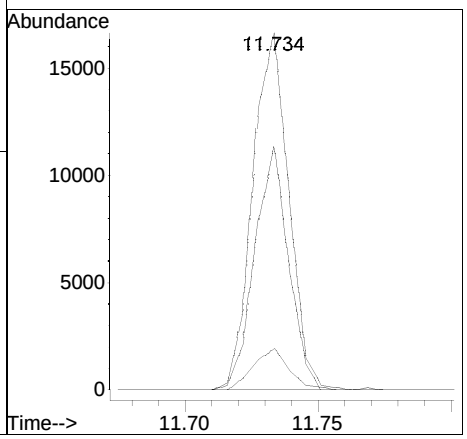


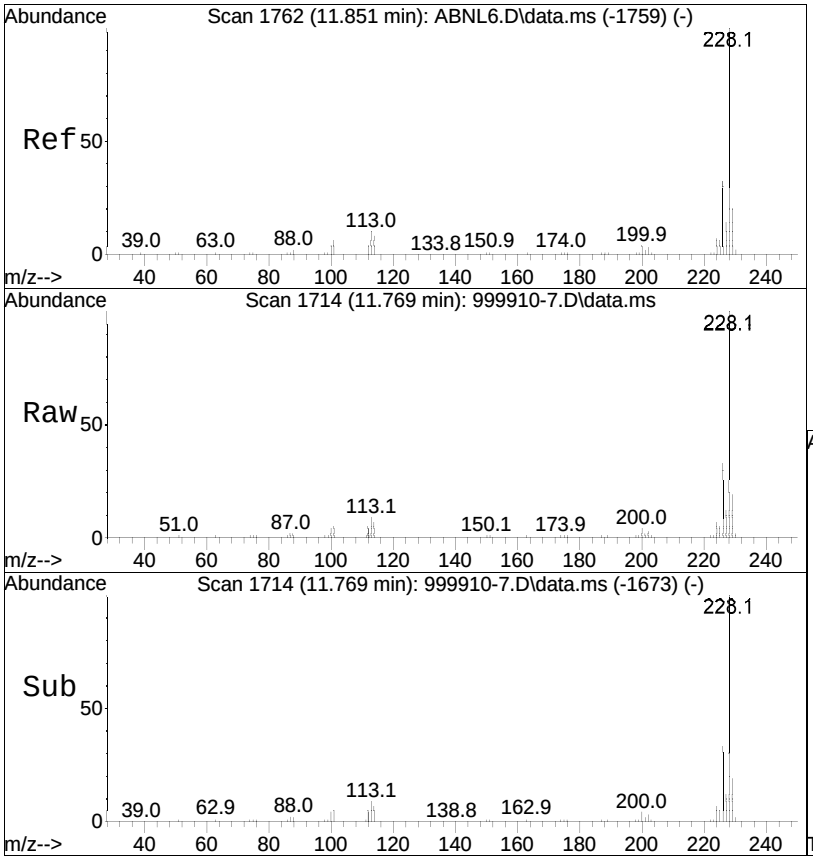


#106
3,3'-Dichlorobenzidine
Concen: 1.34 ug/ml
RT: 11.734 min Scan# 1708
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:252 Resp: 15550

Ion	Ratio	Lower	Upper
252	100		
126	11.7	12.6	19.0#
254	64.1	51.1	76.7

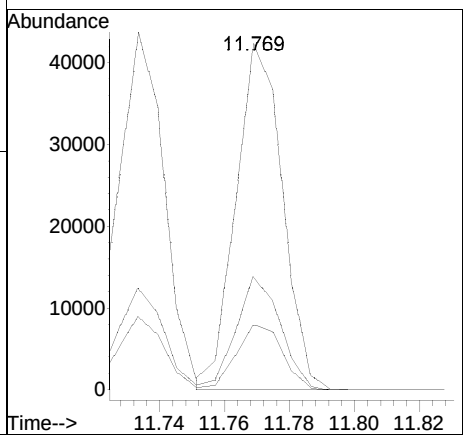


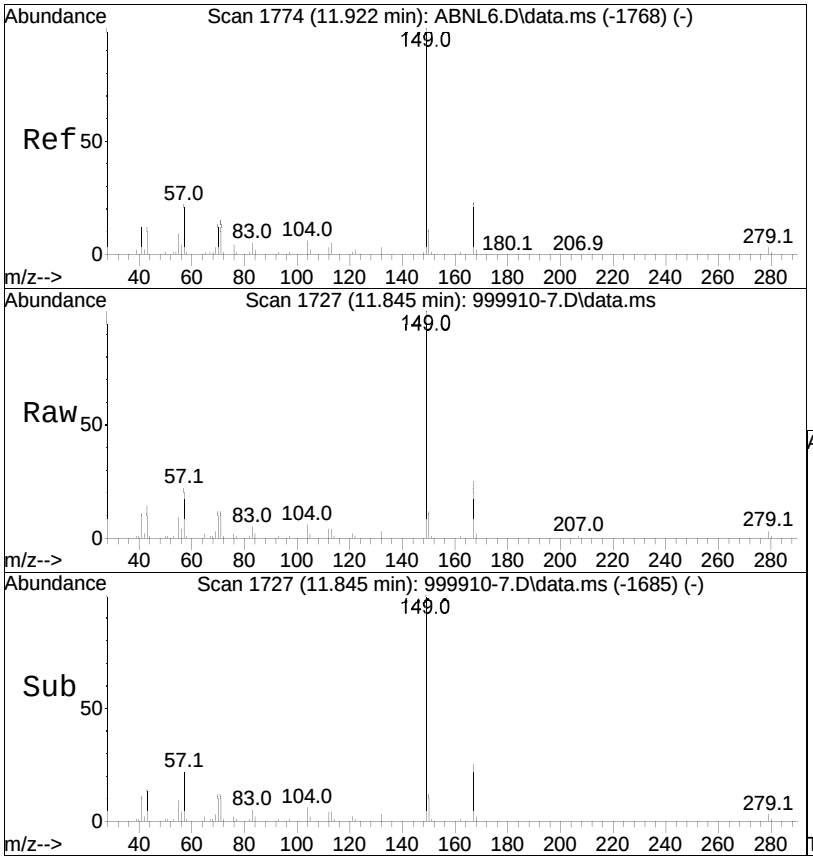


#107
Chrysene
Concen: 1.34 ug/ml
RT: 11.769 min Scan# 1714
Delta R.T. -0.006 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:228 Resp: 42009

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.7	37.1
229	18.7	15.5	23.3

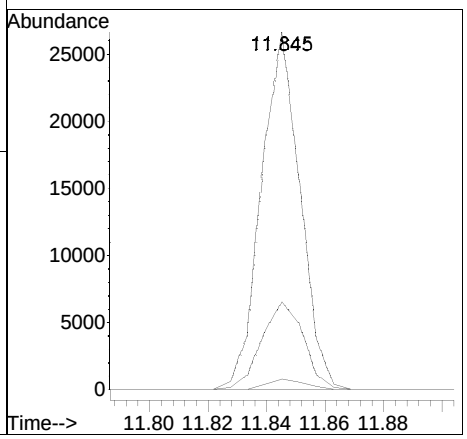


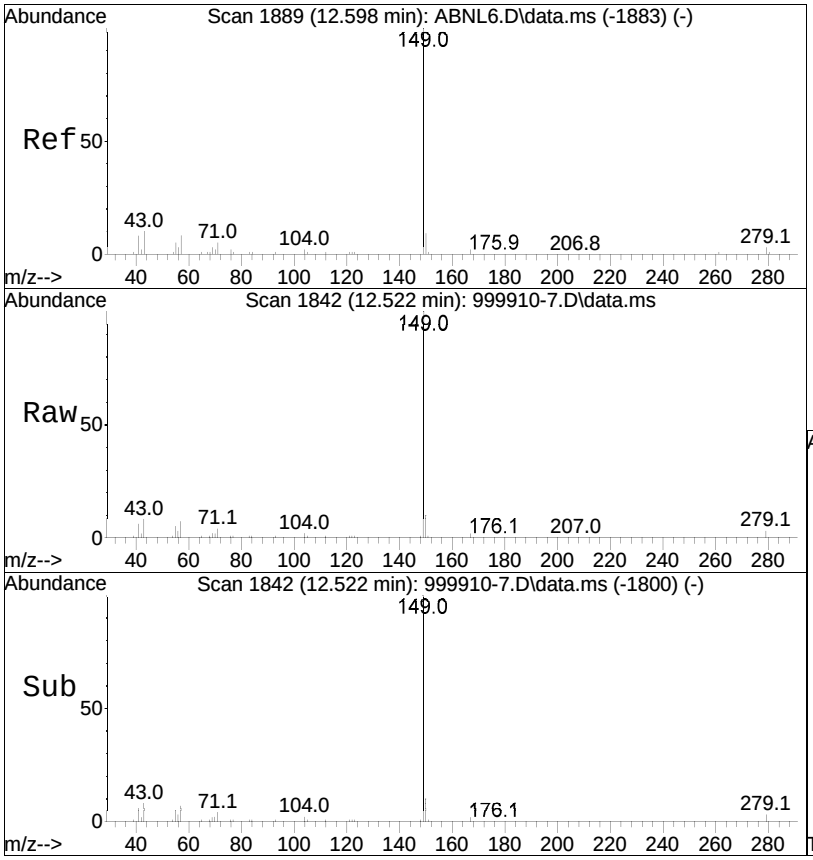


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.53 ug/ml
RT: 11.845 min Scan# 1727
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:149 Resp: 24283

Ion	Ratio	Lower	Upper
149	100		
167	26.5	18.4	27.6
279	2.6	1.7	2.5#

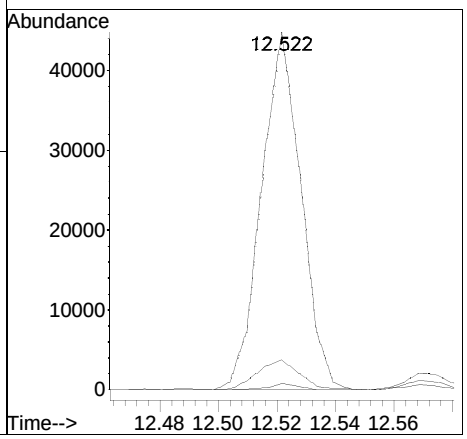


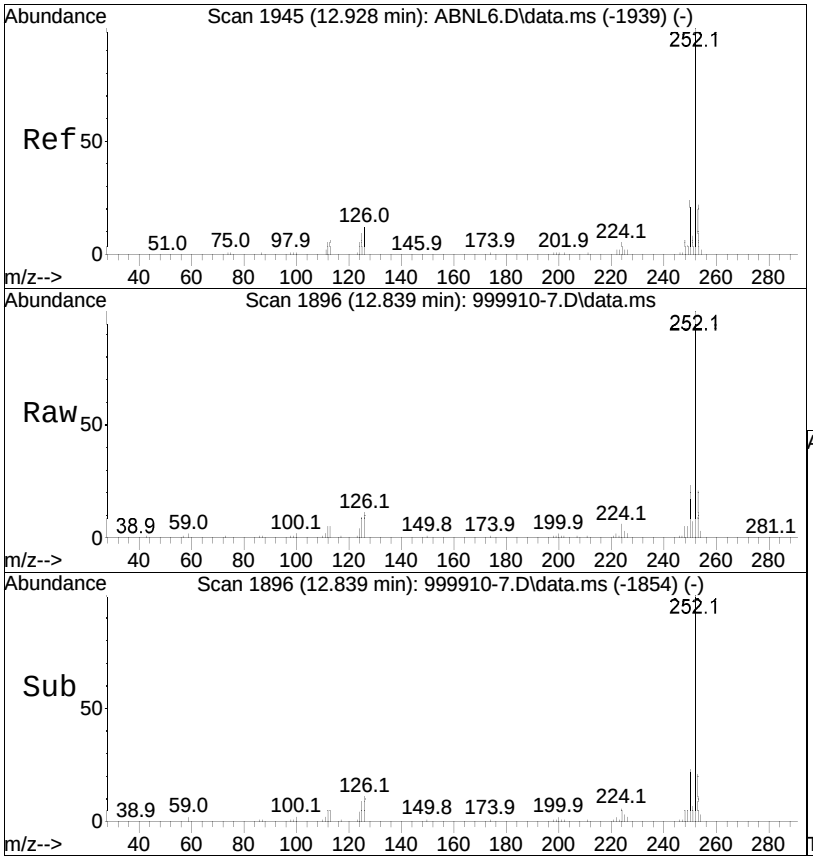


#109
Di-n-octylphthalate
Concen: 1.71 ug/ml
RT: 12.522 min Scan# 1842
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:149 Resp: 41699

Ion	Ratio	Lower	Upper
149	100		
43	9.1	8.2	12.2
167	1.4	1.1	1.7

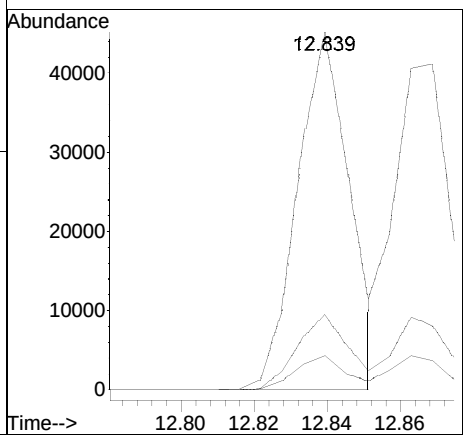


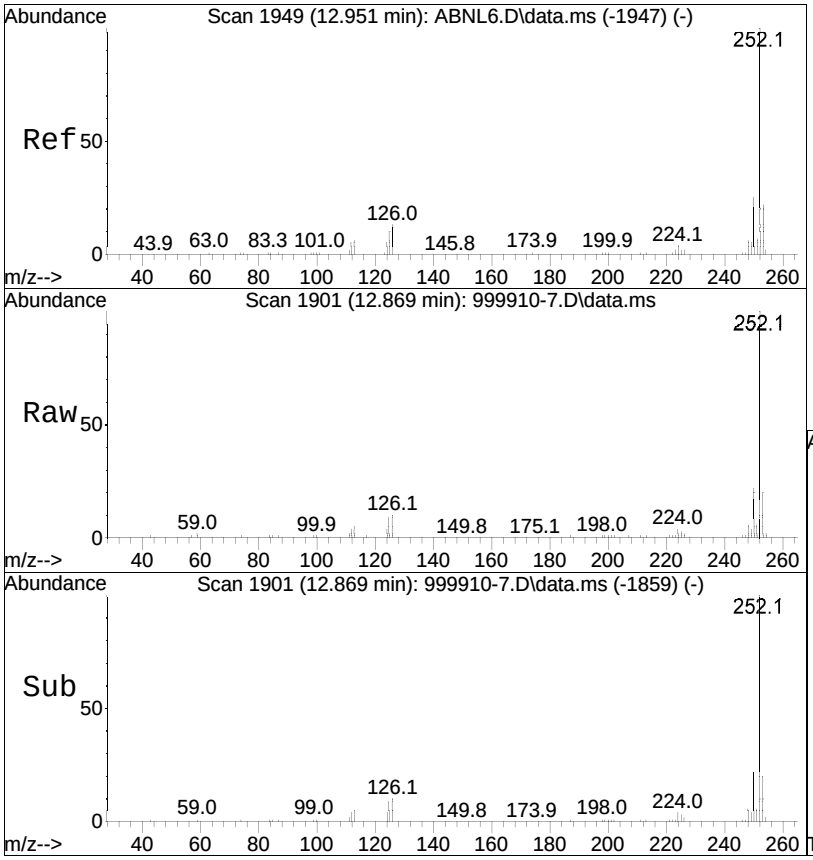


#110
Benzo(b)fluoranthene
Concen: 1.38 ug/ml
RT: 12.839 min Scan# 1896
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:252 Resp: 45110

Ion	Ratio	Lower	Upper
252	100		
125	9.4	11.3	16.9#
253	21.0	17.8	26.8

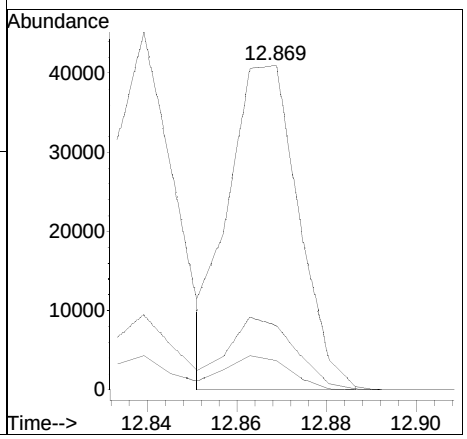


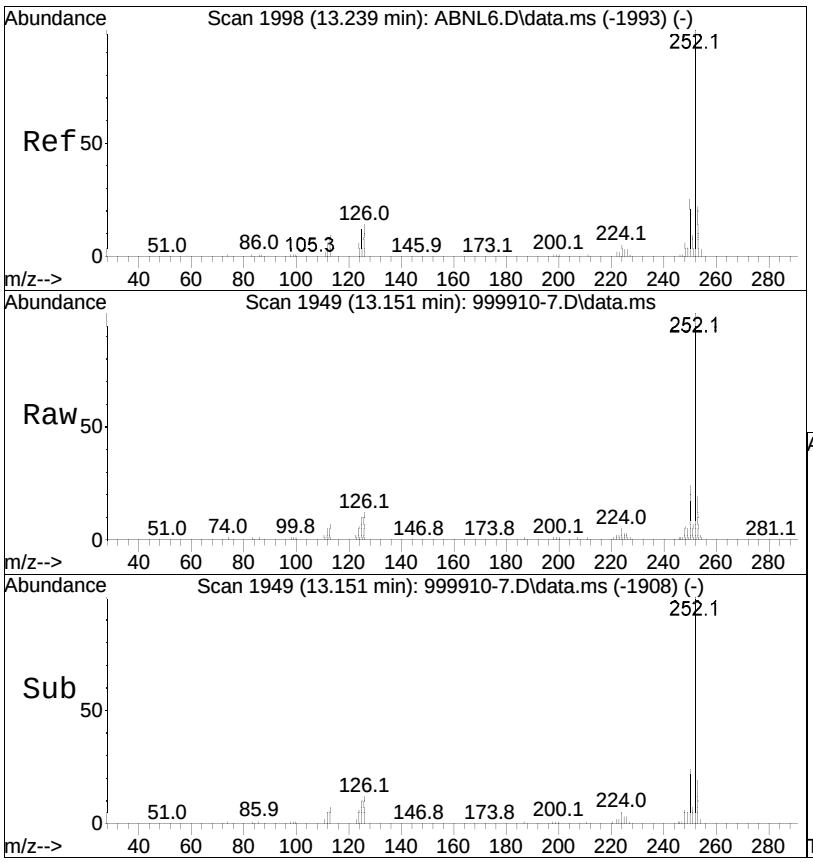


#111
Benzo(k)fluoranthene
Concen: 1.47 ug/ml M3
RT: 12.869 min Scan# 1901
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:252 Resp: 43903

Ion	Ratio	Lower	Upper
252	100		
125	9.7	11.5	17.3#
253	21.6	17.6	26.4

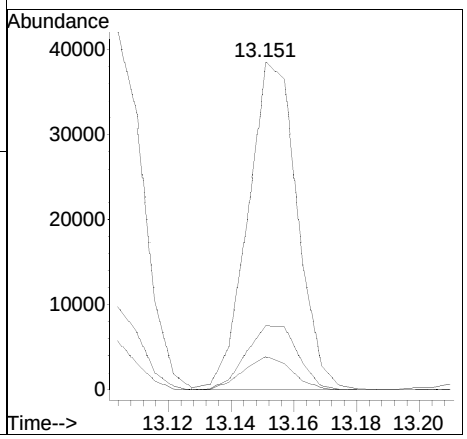


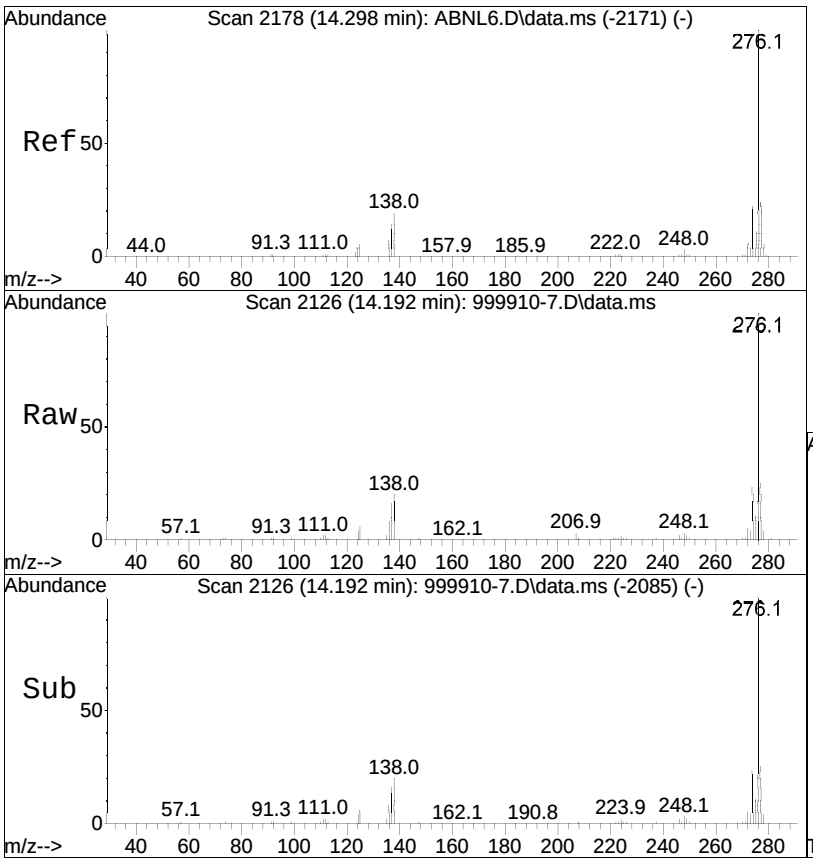


#112
Benzo(a)pyrene
Concen: 1.47 ug/ml M3
RT: 13.151 min Scan# 1949
Delta R.T. -0.006 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:252 Resp: 41980

Ion	Ratio	Lower	Upper
252	100		
125	13.5	12.6	18.8
253	22.7	17.5	26.3

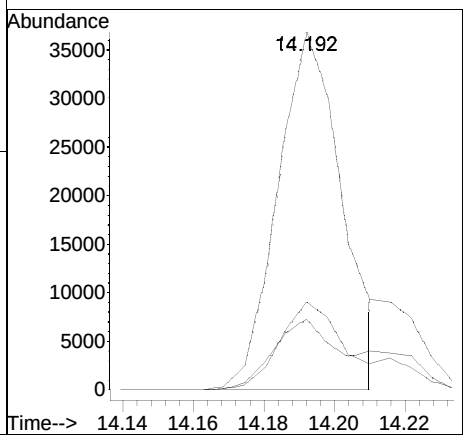


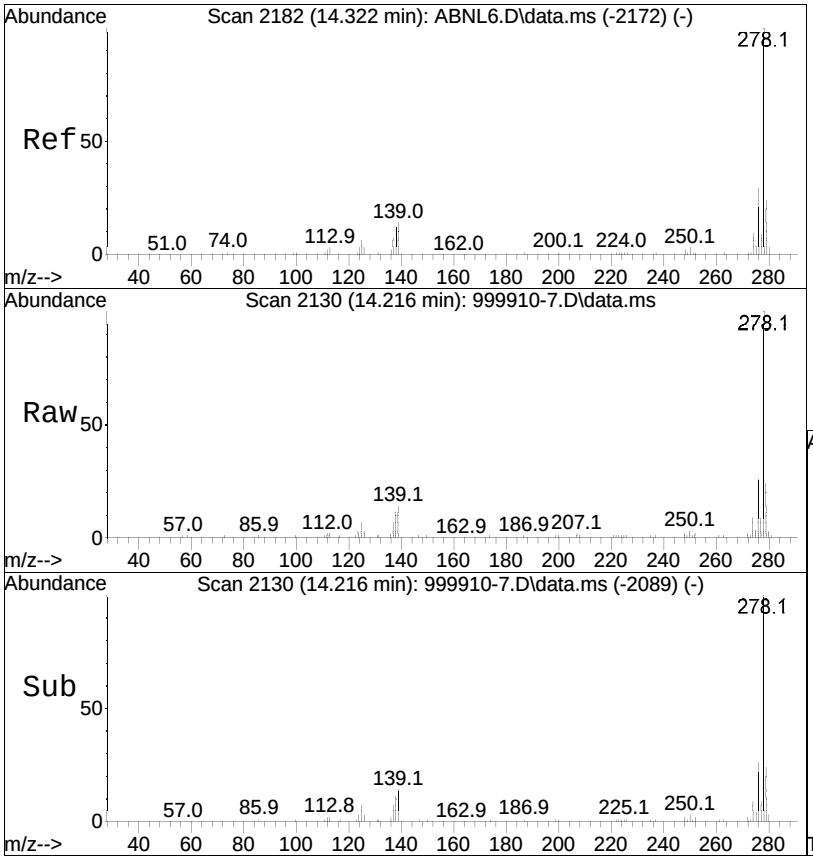


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.49 ug/mL M6
RT: 14.192 min Scan# 2126
Delta R.T. -0.006 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:276 Resp: 46776

Ion	Ratio	Lower	Upper
276	100		
138	28.8	22.1	33.1
277	29.4	19.0	28.6#

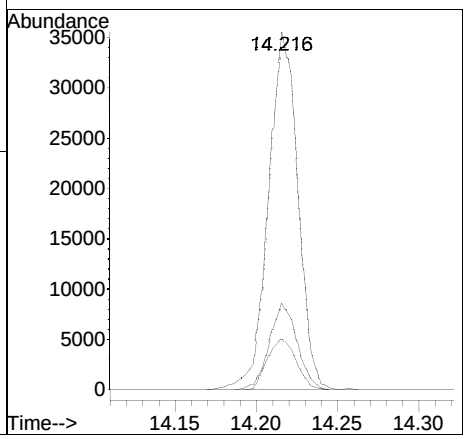


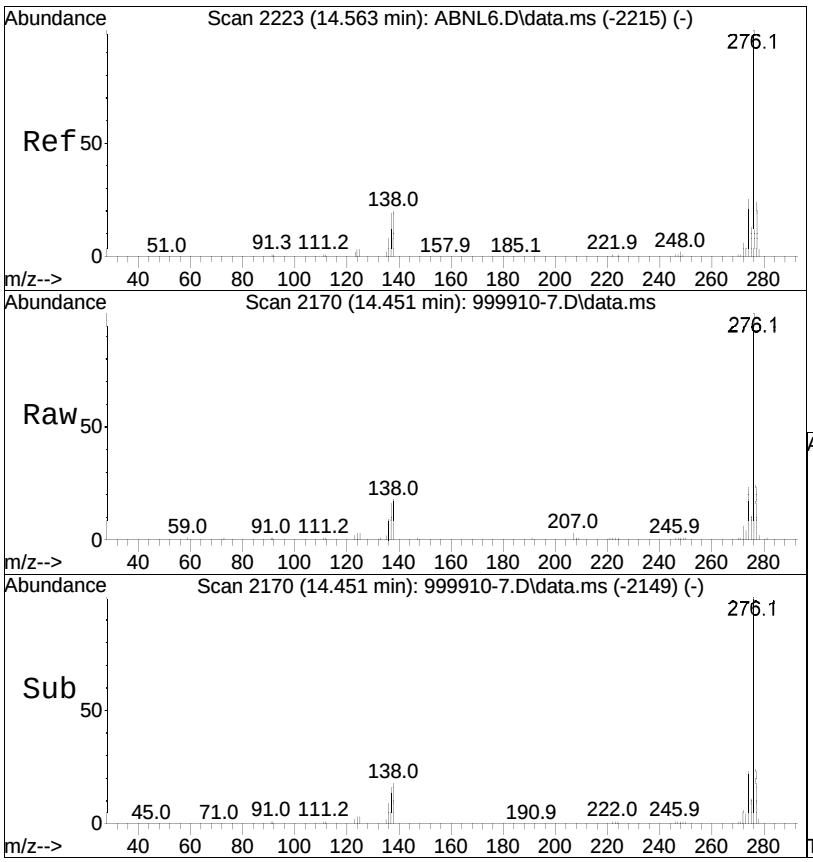


#115
Dibenzo(a,h)anthracene
Concen: 1.48 ug/ml
RT: 14.216 min Scan# 2130
Delta R.T. -0.006 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:278 Resp: 44292

Ion	Ratio	Lower	Upper
278	100		
139	14.1	17.8	26.8#
279	23.0	19.2	28.8

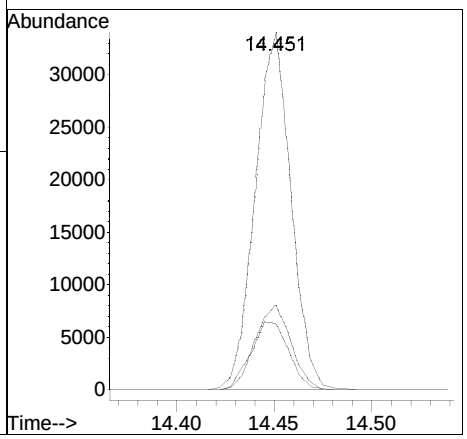




#116
Benzo(ghi)perylene
Concen: 1.42 ug/ml
RT: 14.451 min Scan# 2170
Delta R.T. -0.000 min
Lab File: 999910-7.D
Acq: 22 Nov 2024 05:40 am

Tgt Ion:276 Resp: 42971

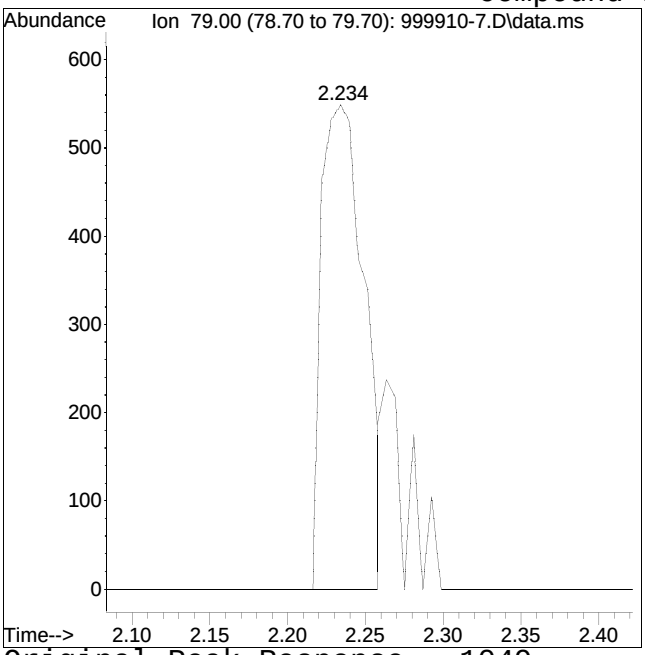
Ion	Ratio	Lower	Upper
276	100		
138	20.4	21.9	32.9#
277	24.0	18.4	27.6



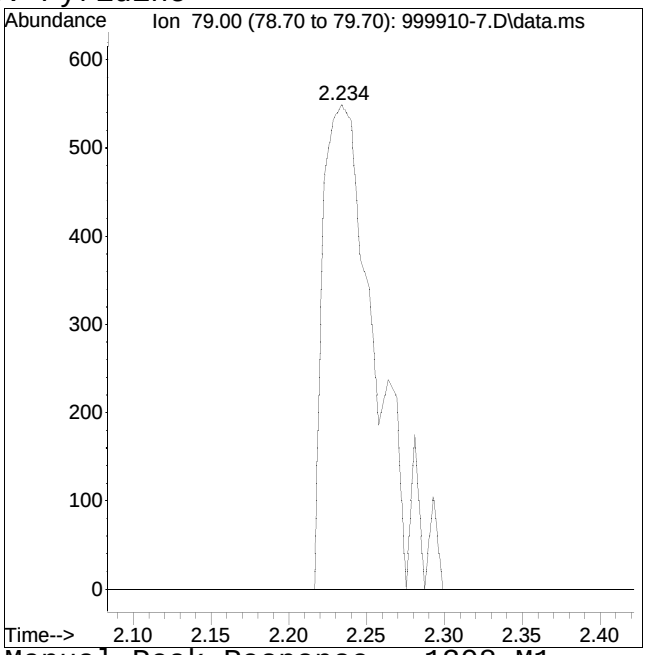
Manual Integration Report

Data Path	: I:\8270\SV112\241121RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 999910-7.D	Operator	: SV112:ek
Date Inj'd	: 11/22/2024 5:40 am	Instrument	: SV112
Sample	: WG1999910-7,32,,ASK	Quant Date	: 11/22/2024 5:58 am

Compound #3: Pyridine



Original Peak Response = 1049



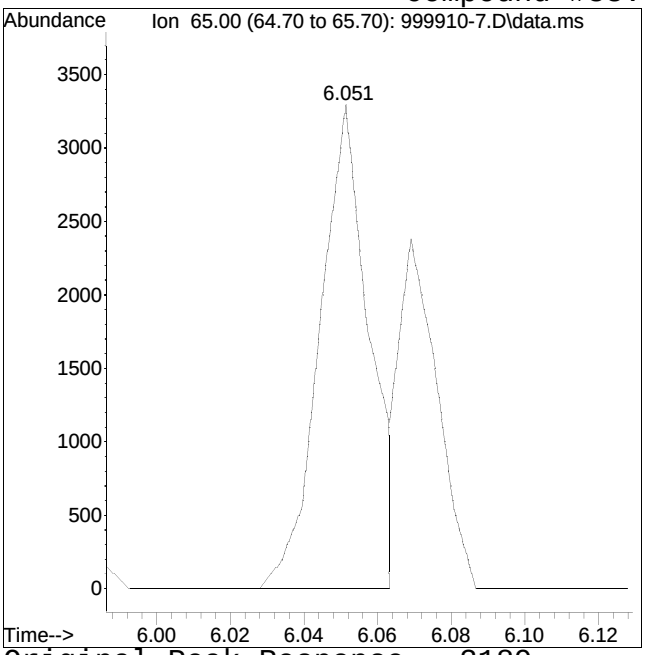
Manual Peak Response = 1308 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

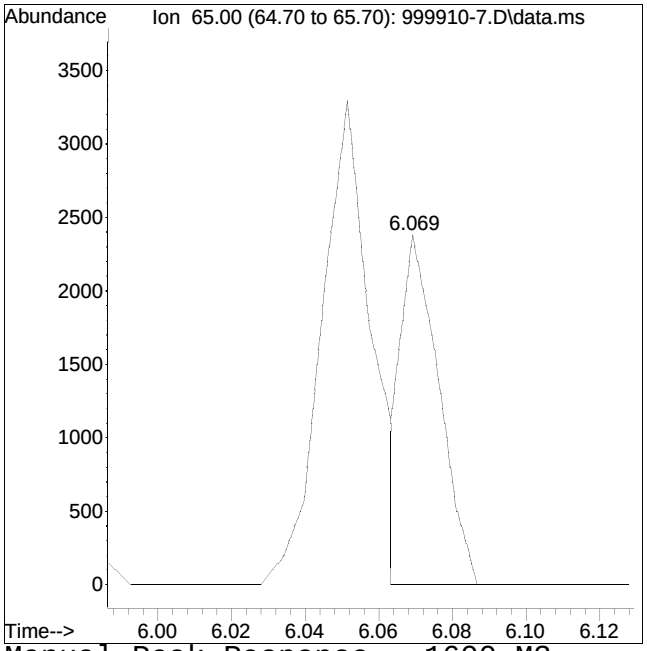
Manual Integration Report

Data Path : I:\8270\SV112\241121RVT\ QMethod : FS240625SV112RVT.m
Data File : 999910-7.D Operator : SV112:ek
Date Inj'd : 11/22/2024 5:40 am Instrument : SV112
Sample : WG1999910-7,32,,ASK Quant Date : 11/22/2024 5:58 am

Compound #38: 4-Chloroaniline



Original Peak Response = 3189



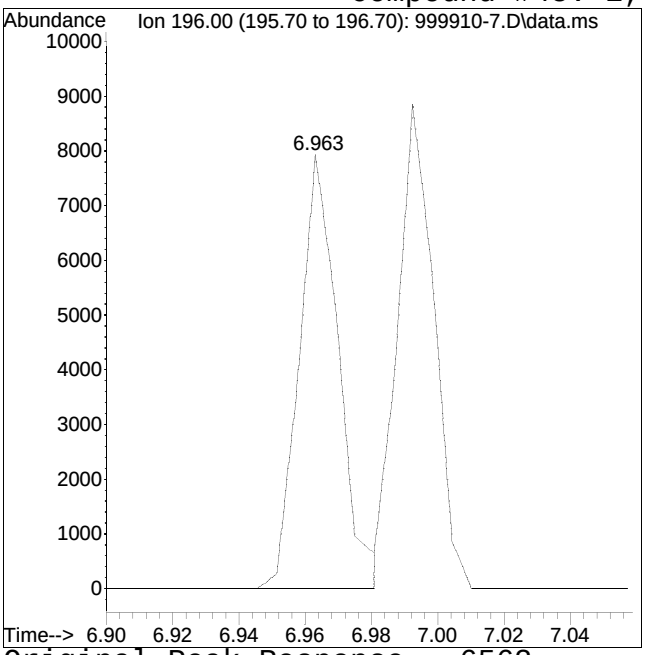
Manual Peak Response = 1600 M3

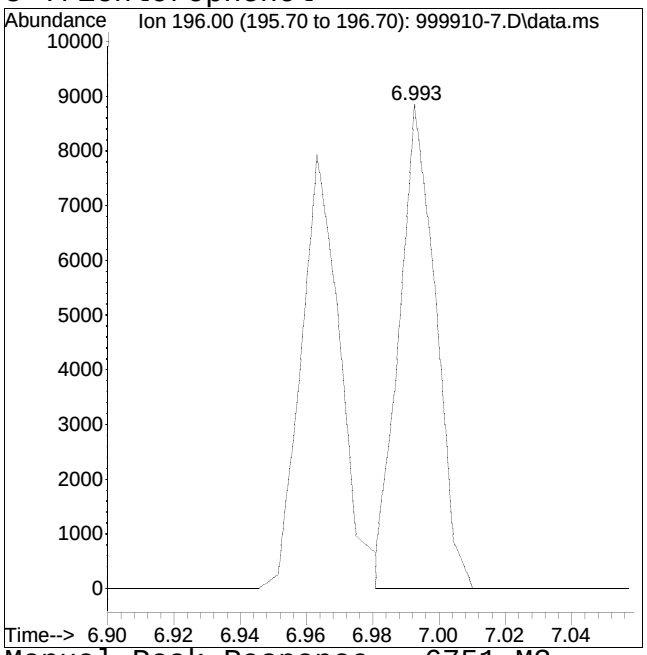
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241121RVT\ QMethod : FS240625SV112RVT.m
Data File : 999910-7.D Operator : SV112:ek
Date Inj'd : 11/22/2024 5:40 am Instrument : SV112
Sample : WG1999910-7,32,,ASK Quant Date : 11/22/2024 5:58 am

Compound #45: 2,4,5-Trichlorophenol





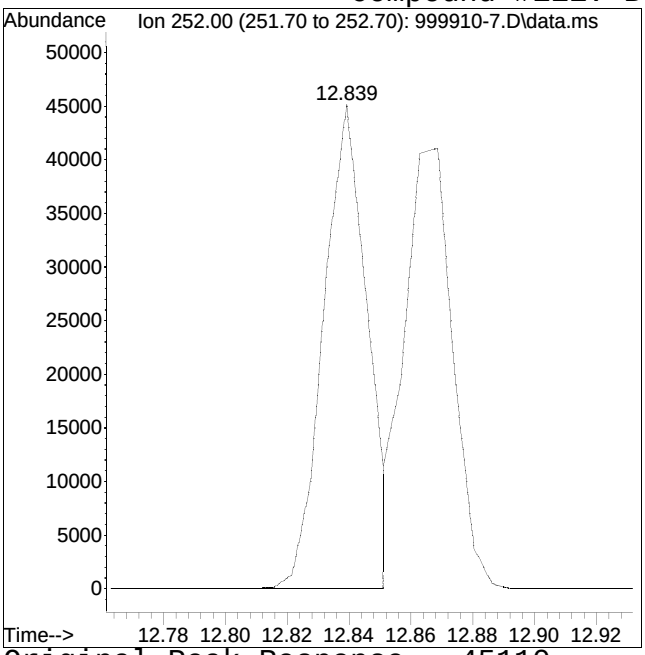
Original Peak Response = 6562 Manual Peak Response = 6751 M3

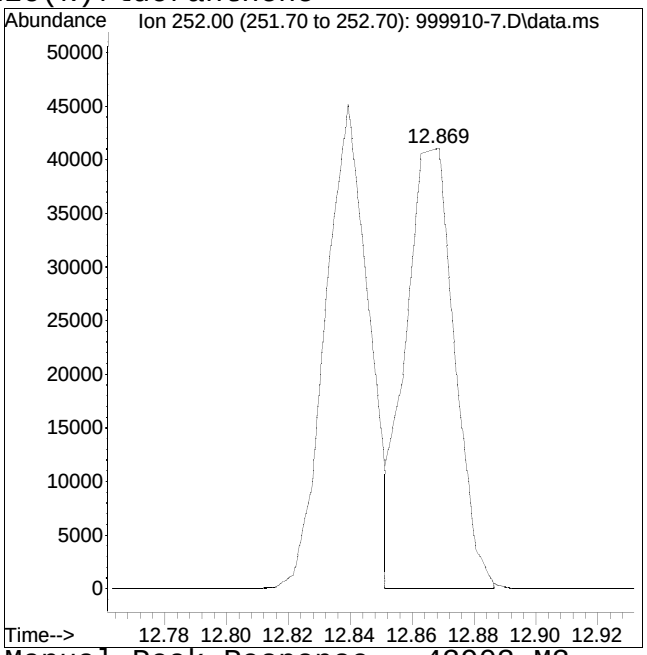
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241121RVT\ QMethod : FS240625SV112RVT.m
Data File : 999910-7.D Operator : SV112:ek
Date Inj'd : 11/22/2024 5:40 am Instrument : SV112
Sample : WG1999910-7,32,,ASK Quant Date : 11/22/2024 5:58 am

Compound #111: Benzo(k)fluoranthene



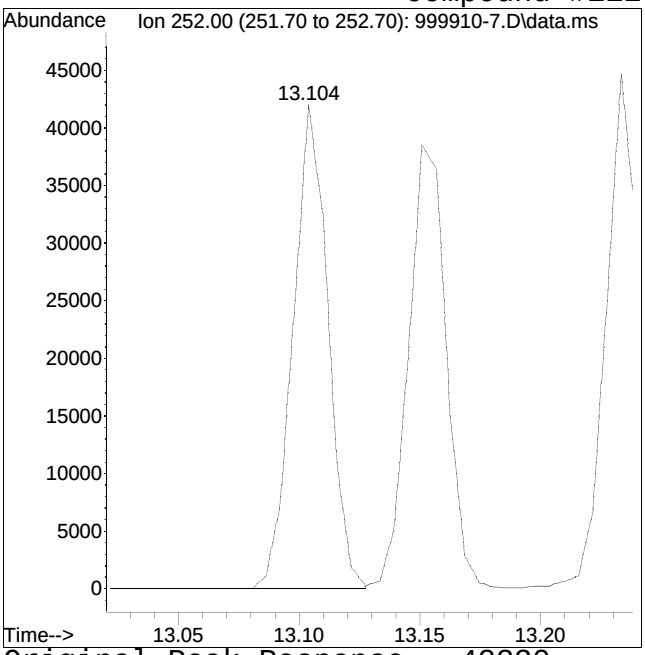


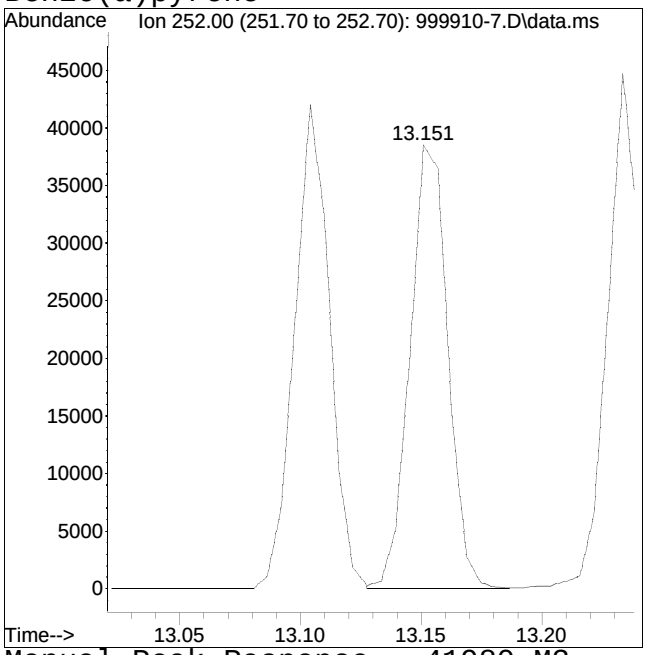
Original Peak Response = 45110 Manual Peak Response = 43903 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\241121RVT\ QMethod : FS240625SV112RVT.m
Data File : 999910-7.D Operator : SV112:ek
Date Inj'd : 11/22/2024 5:40 am Instrument : SV112
Sample : WG1999910-7,32,,ASK Quant Date : 11/22/2024 5:58 am

Compound #112: Benzo(a)pyrene





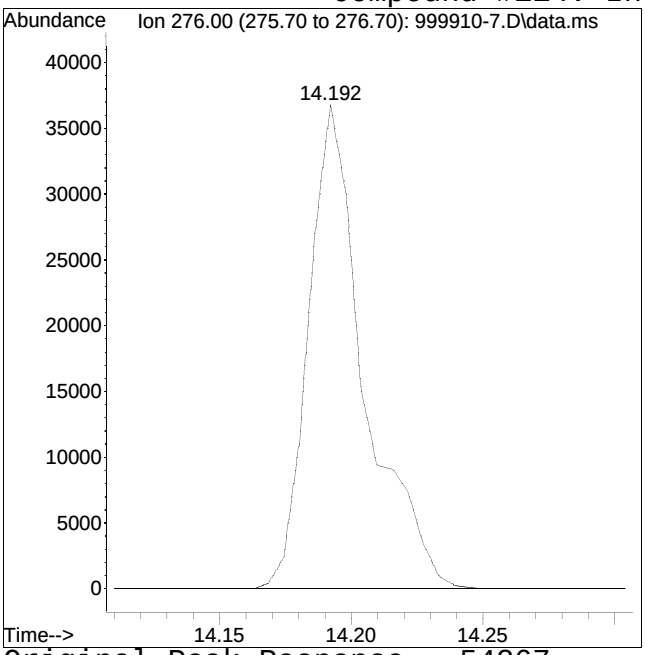
Original Peak Response = 42330 Manual Peak Response = 41980 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

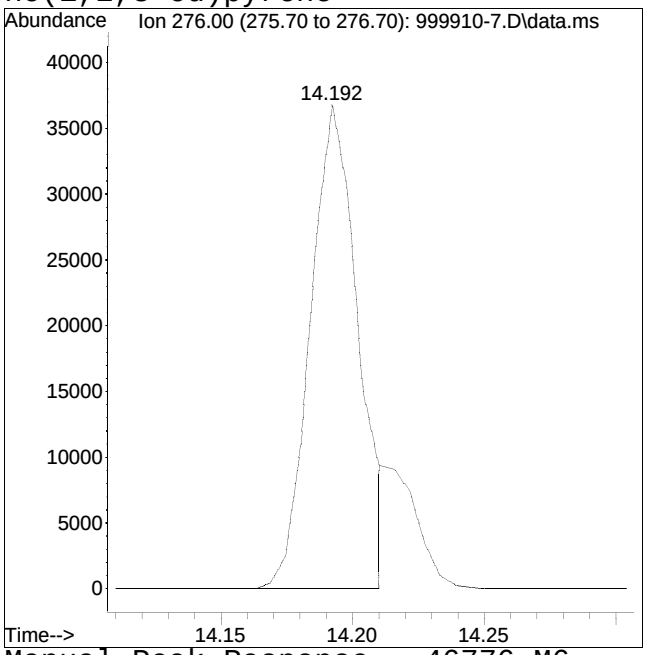
Manual Integration Report

Data Path	: I:\8270\SV112\241121RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 999910-7.D	Operator	: SV112:ek
Date Inj'd	: 11/22/2024 5:40 am	Instrument	: SV112
Sample	: WG1999910-7,32,,ASK	Quant Date	: 11/22/2024 5:58 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 54267



Manual Peak Response = 46776 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

May 23 2025, 07:11 am

Work Group: WG1999910 for Department: 2 Organic Preparation

Created: 20-NOV-24 Due: Operator: JRS

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2466774-01	MW-135-1124	S	NYTCL-8270-RVT	WATER	DONE	U	1120	1209	S0	Amber-A.1
L2466774-02	MW-2109-1124 FBW	S	NYTCL-8270-RVT	WATER	DONE	U	1120	1209	S0	Amber-A.1
L2466774-03	MW-142-1124	S	NYTCL-8270-RVT	WATER	DONE	U	1120	1209	S0	Amber-A.1
L2466774-05	MW-143-1124	S	NYTCL-8270-RVT	WATER	DONE	U	1121	1209	S0	Amber-A.1
L2466774-06	MW-130-1124	S	NYTCL-8270-RVT	WATER	DONE	U	1121	1209	S0	Amber-A.1
L2467247-01	MW-173D-1124	S	NYTCL-8270-RVT	WATER	DONE	U	1121	1210	S0	Amber-A.1
L2467247-02	MW-2107-1124 BD	S	NYTCL-8270-RVT	WATER	DONE	U	1121	1210	S0	Amber-A.1
L2467247-03	MW-2110-1124 FBW	S	NYTCL-8270-RVT	WATER	DONE	U	1121	1210	S0	Amber-A.1
L2467247-04	MW-129-1124	S	NYTCL-8270-RVT	WATER	DONE	U	1121	1210	S0	Amber-A.1
L2467247-05	MW-395D-1124	S	NYTCL-8270-RVT	WATER	DONE	U	1121	1210	S0	Amber-A.1
L2467254-01	MW18-04S	S	NYTCL-8270-RVT	WATER	DONE	U	1121	1122	S0	Amber-A.1
L2467254-03	BD-20241114	S	NYTCL-8270-RVT	WATER	DONE	U	1121	1122	S0	Amber-A.1
L2467254-04	MW08-05S	S	NYTCL-8270-RVT	WATER	DONE	U	1121	1122	S0	Amber-A.1
L2467254-05	MW08-05D	S	NYTCL-8270-RVT	WATER	DONE	U	1121	1122	S0	Amber-A.1
L2467254-09	MW93-1S	S	NYTCL-8270-RVT	WATER	DONE	U	1121	1122	S0	Amber-A.1
L2467254-10	MW93-1D	S	NYTCL-8270-RVT	WATER	DONE	U	1121	1122	S0	Amber-A.1
WG1999910-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1999910-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1999910-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1999910-6	Matrix Spike	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1999910-7	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG1999910-3	WG1999910-2
WG1999910-6	L2467247-05
WG1999910-7	L2467247-05

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

May 23 2025, 07:11 am

Work Group: WG2000366 for Department: 2 Organic Preparation

Created: 21-NOV-24 Due: Operator: RET

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2467254-02	MW18-04D	S	NYTCL-8270-RVT	WATER	DONE	U	1121	1122	S0	Amber-A.1
L2467254-06	MW93-2D	S	NYTCL-8270-RVT	WATER	DONE	U	1122	1122	S0	Amber-A.1
L2467254-07	MW93-2S	S	NYTCL-8270-RVT	WATER	DONE	U	1122	1122	S0	Amber-A.1
L2467254-08	MW08-08S	S	NYTCL-8270-RVT	WATER	DONE	U	1122	1122	S0	Amber-A.1
L2467254-11	MW08-07S	S	NYTCL-8270-RVT	WATER	DONE	U	1122	1122	S0	Amber-A.1
L2467254-12	MW08-07D	S	NYTCL-8270-RVT	WATER	DONE	U	1122	1122	S0	Amber-A.1
L2467254-13	MW08-06S	S	NYTCL-8270-RVT	WATER	DONE	U	1122	1122	S0	Amber-A.1
L2467254-14	MW08-06D	S	NYTCL-8270-RVT	WATER	DONE	U	1122	1122	S0	Amber-A.1
L2467254-15	MW18-08D	S	NYTCL-8270-RVT	WATER	DONE	U	1122	1122	S0	Amber-A.1
L2467414-01	SW-N-11-15-24-S	C	NYTCL-8270-RVT	WATER	DONE	U	1122	1122	S0	Amber-A.1
L2467414-02	SW-N-11-15-24-M	C	NYTCL-8270-RVT	WATER	DONE	U	1122	1122	S0	Amber-A.1
L2467414-03	SW-N-11-15-24-D	C	NYTCL-8270-RVT	WATER	DONE	U	1122	1122	S0	Amber-A.1
L2467414-04	SW-S-11-15-24-S	C	NYTCL-8270-RVT	WATER	DONE	U	1122	1122	S0	Amber-A.1
L2467414-05	SW-S-11-15-24-M	C	NYTCL-8270-RVT	WATER	DONE	U	1122	1122	S0	Amber-A.1
L2467414-06	SW-S-11-15-24-D	C	NYTCL-8270-RVT	WATER	DONE	U	1122	1122	S0	Amber-A.1
WG2000366-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2000366-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2000366-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2000366-4	Matrix Spike	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2000366-5	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG2000366-3	WG2000366-2
WG2000366-4	L2467254-02
WG2000366-5	L2467254-02

Analysis log File

Total Files Reported in Log : 33
Log Generated From Directory: I:\8270\SV112\240625RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.D	8270RVT.M	Tune Lot#10853	WG1939943	6/25/2024 7:55 pm
2	ABNL9.D	8270RVT.M	IL2,32,,ABNL50 Lot# 107	WG1939943	6/25/2024 8:18 pm
3	ABNL8.D	8270RVT.M	IL3,32,,ABNL25 Lot# 107	WG1939943	6/25/2024 8:41 pm
4	ABNL7.D	8270RVT.M	IL4,32,,ABNL10 Lot# 107	WG1939943	6/25/2024 9:04 pm
5	ABNL6.D	8270RVT.M	IL5,32,,ABNL5 Lot# 1078	WG1939943	6/25/2024 9:27 pm
6	ABNL5.D	8270RVT.M	IL6,32,,ABNL2.5 Lot# 10	WG1939943	6/25/2024 9:50 pm
7	ABNL4.D	8270RVT.M	IL7,32,,ABNL1 Lot# 1078	WG1939943	6/25/2024 10:14 pm
8	ABNL3.D	8270RVT.M	IL8,32,,ABNL0.5 Lot# 10	WG1939943	6/25/2024 10:37 pm
9	ABNL2.D	8270RVT.M	IL9,32,,ABNL0.2 Lot# 10	WG1939943	6/25/2024 11:00 pm
10	ABNL1.D	8270RVT.M	IL10,32,,ABNL0.1 Lot# 1	WG1939943	6/25/2024 11:23 pm
11	AP9L9.D	8270RVT.M	IL2,32,,AP9L50 Lot# 107	WG1939943	6/25/2024 11:47 pm
12	AP9L8.D	8270RVT.M	IL3,32,,AP9L25 Lot# 107	WG1939943	6/26/2024 12:10 am
13	AP9L6.D	8270RVT.M	IL5,32,,AP9L5 Lot# 1079	WG1939943	6/26/2024 12:56 am
14	AP9L7.D	8270RVT.M	IL4,32,,AP9L10 Lot# 107	WG1939943	6/26/2024 12:33 am
15	AP9L5.D	8270RVT.M	IL6,32,,AP9L2.5 Lot# 10	WG1939943	6/26/2024 1:19 am
16	AP9L4.D	8270RVT.M	IL7,32,,AP9L1 Lot# 1079	WG1939943	6/26/2024 1:43 am
17	AP9L3.D	8270RVT.M	IL8,32,,AP9L0.5 Lot# 10	WG1939943	6/26/2024 2:06 am
18	AP9L2.D	8270RVT.M	IL9,32,,AP9L0.2 Lot# 10	WG1939943	6/26/2024 2:29 am
19	AP9L1.D	8270RVT.M	IL10,32,,AP9L0.1 Lot# 1	WG1939943	6/26/2024 2:52 am
20	ABNICV.D	8270RVT.M	CQICV1,32,,ABNICV Lot#	WG1939943	6/26/2024 3:16 am
21	AP9ICV.D	8270RVT.M	CQICV2,32,,AP9ICV Lot#	WG1939943	6/26/2024 3:39 am
22	Tune2.D	8270RVT.M	Tune Lot#10853	WG1939943	6/26/2024 4:02 am
23	ADPL9.D	8270RVT.M	IL2,32,,ADPL50 Lot# 107	WG1939943	6/26/2024 4:25 am
24	ADPL8.D	8270RVT.M	IL3,32,,ADPL25 Lot# 107	WG1939943	6/26/2024 4:48 am
25	ADPL7.D	8270RVT.M	IL4,32,,ADPL10 Lot# 107	WG1939943	6/26/2024 5:11 am
26	ADPL6.D	8270RVT.M	IL5,32,,ADPL5 Lot# 1079	WG1939943	6/26/2024 5:35 am
27	ADPL5.D	8270RVT.M	IL6,32,,ADPL2.5 Lot# 10	WG1939943	6/26/2024 5:58 am
28	ADPL4.D	8270RVT.M	IL7,32,,ADPL1 Lot# 1080	WG1939943	6/26/2024 6:21 am
29	ADPL3.D	8270RVT.M	IL8,32,,ADPL0.5 Lot# 10	WG1939943	6/26/2024 6:44 am
30	ADPL2.D	8270RVT.M	IL9,32,,ADPL0.2 Lot# 10	WG1939943	6/26/2024 7:08 am
31	ADPL1.D	8270RVT.M	IL10,32,,ADPL0.1 Lot# 1	WG1939943	6/26/2024 7:31 am
32	ADPICV.D	8270RVT.M	CQICV3,32,,ADPICV Lot#	WG1939943	6/26/2024 7:54 am
33	Blank.D	8270RVT.M	Instrument Blank	WG1939943	6/26/2024 8:18 am

Printed: 06/26/24 Page: 1

Dep.: GCMS
Inst: DAKOTA
Date: **11/05/24**
Run: ICAL

Method
GC: ABNRVT

Seq: WG1994500

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	Tune1	Tune1 Lot # 11144				
1	ABNL9	IL2,32,,ABNL50 Lot# 11111	**Passes Full List**			
2	ABNL8	IL3,32,,ABNL25 Lot# 11112				
3	ABNL7	IL4,32,,ABNL10 Lot# 11113				
4	ABNL6	IL5,32,,ABNL5 Lot# 11114				
5	ABNL5	IL6,32,,ABNL2.5 Lot# 11115				
6	ABNL4	IL7,32,,ABNL1 Lot# 11116				
7	ABNL3	IL8,32,,ABNL0.5 Lot# 11117				
8	ABNL2	IL9,32,,ABNL0.2 Lot# 11149				
9	ABNL1	IL10,32,,ABNL0.1 Lot# 11150				
10	AP9L9	IL2,32,,AP9L50 Lot# 11120				
11	AP9L8	IL3,32,,AP9L25 Lot# 11121				
12	AP9L7	IL4,32,,AP9L10 Lot# 11122				
13	AP9L6	IL5,32,,AP9L5 Lot# 11123				
14	AP9L5	IL6,32,,AP9L2.5 Lot# 11124				
15	AP9L4	IL7,32,,AP9L1 Lot# 11125				
16	AP9L3	IL8,32,,AP9L0.5 Lot# 11126				
17	AP9L2	IL9,32,,AP9L0.2 Lot# 11127				
18	AP9L1	IL10,32,,AP9L0.1 Lot# 11128				
19	ABNICV	CQICV1,32,,ABNICV Lot# 11138				
20	AP9ICV	CQICV2,32,,AP9ICV Lot# 11139				
100	Tune2	Tune2 Lot # 11144				
21	ADPL9	IL2,32,,ADPL50 Lot# 11129				
22	ADPL8	IL3,32,,ADPL25 Lot# 11130				
23	ADPL7	IL4,32,,ADPL10 Lot# 11131				
24	ADPL6	IL5,32,,ADPL5 Lot# 11132				
25	ADPL5	IL6,32,,ADPL2.5 Lot# 11133				
26	ADPL4	IL7,32,,ADPL1 Lot# 11134				
27	ADPL3	IL8,32,,ADPL0.5 Lot# 11135				
28	ADPL2	IL9,32,,ADPL0.2 Lot# 11136				
29	ADPL1	IL10,32,,ADPL0.1 Lot# 11137				
30	ADPICV	CQICV,32,,ADPICV Lot# 11140				
31	Blank	Instrument Blank				

Dep.: GCMS
Inst: SV112
Date: **11/20/24**
Run: **Night Run**

Method
GC: 8270RVT

Seq: **WG1999664**
ICAL: 21241

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG1120n	wg-1,32,,SV112 Degdftpp Lot # 11157				cmm 11/21
142	ABN1120n	wg-3,32,,ABN RVT CCV Lot # 110	**Passes Full List**			cmm 11/21
143	AP91120n	wg-4,32,,AP9 RVT CCV Lot # 10909				cmm 11/21
144	ADP1120n	wg-5,32,,ADP RVT CCV Lot # 10751				cmm 11/21
1	999910-1	WG1999910-1,32,,ASK				smz 11/22
2	999910-2	WG1999910-2,32,,ASK				smz 11/22
3	999910-3	WG1999910-3,32,,ASK				smz 11/22
4	000158-1	WG2000158-1,32,,ASK				cmm 11/21
5	000158-2	WG2000158-2,32,,ASK				cmm 11/21
6	000158-3	WG2000158-3,32,,ASK				cmm 11/21
7	999911-1	WG1999911-1,32,,ASK				12/12jg
8	999911-2	WG1999911-2,32,,ASK				12/12jg
9	999911-3	WG1999911-3,32,,ASK				12/12jg
10	64185-13	L2464185-13,32,,RE,ASK				cmm 11/21
11	66832-01	L2466832-01,32,,ASK				cmm 11/21
12	67003-04	L2467003-04,32,,ASK				cmm 11/21
13	67003-06	L2467003-06,32,,ASK				cmm 11/21
14	66774-01	L2466774-01,32,,ASK				ek 12/1
15	66774-02	L2466774-02,32,,ASK				ek 12/1
16	66774-03	L2466774-03,32,,ASK				ek 12/1
17	66560-05	L2466560-05,32,,ASK				12/12jg
18	999911-4	WG1999911-4,32,,ASK				12/12jg
19	999911-5	WG1999911-5,32,,ASK				12/12jg
20	66560-06	L2466560-06,32,,ASK				
21	998202-4	WG1998202-4,32,,ASK				
22	998202-5	WG1998202-5,32,,ASK				
23	53108-60	L2453108-60,32,,ASK				
24	998480-4	WG1998480-4,32,,ASK				
25	998480-5	WG1998480-5,32,,ASK				
26	53108-61	L2453108-61,32,,ASK			**ASK**	
					Sv-gmr	

Dep.: GCMS
Inst: DAKOTA
Date: **11/21/24**
Run: Night Run

Method
GC: ABNRVT

Seq: **WG1999667**
ICAL: 21680

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	DEG1121	wg-1,32,,Degdftpp Lot # 11157				smz 11/22
96	ABN1121	wg-3,32,,ABN RVT CCV Lot # 1104	**Passes Full List**			smz 11/22
97	AP91121	wg-4,32,,AP9 RVT CCV Lot # 11152				smz 11/22
98	ADP1121	wg-5,32,,ADP RVT CCV Lot # 11153				smz 11/22
1	000366-1	WG2000366/490/499-1,32,,ASK				smz 11/22
2	000366-2	WG2000366/490/499-2,32,,ASK				smz 11/22
3	000366-3	WG2000366/490/499-3,32,,ASK				smz 11/22
4	67254-01	L2467254-01,32,,ASK				smz 11/22
5	67254-03	L2467254-03,32,,ASK				smz 11/22
6	67254-04	L2467254-04,32,,ASK				smz 11/22
7	67254-05	L2467254-05,32,,ASK				smz 11/22
8	67254-09	L2467254-09,32,,ASK				smz 11/22
9	67254-10	L2467254-10,32,,ASK				smz 11/22
10	000366-4	WG2000366-4,32,,ASK				smz 11/22
11	000366-5	WG2000366-5,32,,ASK				smz 11/22
12	67254-02	L2467254-02,32,,ASK				smz 11/22
13	67414-01	L2467414-01,32,,ASK				smz 11/22
14	67414-02	L2467414-02,32,,ASK				smz 11/22
15	67414-03	L2467414-03,32,,ASK				smz 11/22
16	67414-04	L2467414-04,32,,ASK				smz 11/22
17	67414-05	L2467414-05,32,,ASK				smz 11/22
18	67414-06	L2467414-06,32,,ASK				smz 11/22
19	67254-06	L2467254-06,32,,ASK				smz 11/22
20	67254-07	L2467254-07,32,,ASK				smz 11/22
21	67254-08	L2467254-08,32,,ASK				smz 11/22
22	67254-11	L2467254-11,32,,ASK				smz 11/22
23	67254-12	L2467254-12,32,,ASK				smz 11/22
24	67254-13	L2467254-13,32,,ASK				smz 11/22
25	67254-14	L2467254-14,32,,ASK				smz 11/22
26	67254-15	L2467254-15,32,,ASK				smz 11/22
27	67332-17	L2467332-17,32,,ASK				smz 11/22
28	67108-05	L2467108-05,32,,ASK	ott			
29	66799-03	L2466799-03,32,,ASK	ott		**ASK**	
					sv-smz	

ORGANIC ELN REPORT

Workgroup: WG1999910

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN
Spike Verify by: JRS
Lims Spikelot: 8270-RVT

Lot #: EJ475
Lot #: 11143aj,05/01/2025,4r,6,1
Lot #: 11106AD, 04/03/2025, 11092AI

Additional Reagents/Stds

H2SO4	A100324
Na2SO4	23K2961078
NaOH	10NNaOH111224

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ475

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2466774-01 WATER	11/20/24 10:41	Jackson Subbarao	100	<2,>12	.1		11/20/24 14:40	Victor Kono	1	K
L2466774-02 WATER	11/20/24 10:41	Jackson Subbarao	100	<2,>12	.1		11/20/24 14:40	Victor Kono	1	K
L2466774-03 WATER	11/20/24 10:41	Jackson Subbarao	100	<2,>12	.1		11/20/24 14:40	Victor Kono	1	K
L2466774-05 WATER	11/21/24 08:03	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:26	Kellsey Geikie	1	K
L2466774-06 WATER	11/21/24 08:03	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:26	Kellsey Geikie	1	K
	PRESERVED IN SULFURIC ACID									
L2467247-01 WATER	11/21/24 08:03	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:26	Kellsey Geikie	1	K
L2467247-02 WATER	11/21/24 08:03	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:26	Kellsey Geikie	1	K

Reported: 23-MAY-25 07:11 AM

ORGANIC ELN REPORT

Workgroup: WG1999910

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2467247-03 WATER	11/21/24 08:03	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:26	Kellsey Geikie	1	K
L2467247-04 WATER	11/21/24 08:03	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:26	Kellsey Geikie	1	K
L2467247-05 WATER	11/21/24 08:03	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:26	Kellsey Geikie	1	K
L2467254-01 SAMP	11/21/24 08:12	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:26	Kellsey Geikie	1	K
L2467254-02 SAMP	11/21/24 08:12	Ryan Trenholm								
L2467254-03 SAMP	11/21/24 08:03	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:26	Kellsey Geikie	1	K
L2467254-04 SAMP	11/21/24 08:03	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:26	Kellsey Geikie	1	K
L2467254-05 SAMP	11/21/24 08:03	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:26	Kellsey Geikie	1	K
L2467254-09 SAMP	11/21/24 08:03	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:26	Kellsey Geikie	1	K
L2467254-10 SAMP	11/21/24 08:03	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:26	Kellsey Geikie	1	K

ORGANIC ELN REPORT

Workgroup: WG1999910

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG1999910-1 BLANK	11/20/24 10:41	Jackson Subbarao	100	<2,>12	.1		11/20/24 14:40	Victor Kono	1	K
WG1999910-2 LCS	11/20/24 10:41	Jackson Subbarao	100	<2,>12	.1	.1	11/20/24 14:40	Victor Kono	1	K
WG1999910-3 LCSD	11/20/24 10:41	Jackson Subbarao	100	<2,>12	.1	.1	11/20/24 14:40	Victor Kono	1	K
WG1999910-4 MS	11/21/24 08:14	Ryan Trenholm								
WG1999910-5 MSD	11/21/24 08:14	Ryan Trenholm								
WG1999910-6 MS	11/21/24 08:03	Ryan Trenholm	100	<2,>12	.1	.1	11/21/24 14:26	Kellsey Geikie	1	K
WG1999910-7 MSD	11/21/24 08:03	Ryan Trenholm	100	<2,>12	.1	.1	11/21/24 14:26	Kellsey Geikie	1	K

ORGANIC ELN REPORT

Workgroup: WG2000366

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN
Spike Verify by: RET
Lims Spikelot: 8270-RVT

Lot #: EJ507
Lot #: 11143AA,05/01/2025,4R,6,1
Lot #: 11106AD,04/23/2025,4C,10,1,1

Additional Reagents/Stds

Na2SO4	23K2961078
NaOH	10NNaOH111224
H2SO4	A100324

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ475

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2467254-02 SAMP	11/21/24 08:29	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:30	Kellsey Geikie	1	K
L2467254-06 SAMP	11/21/24 11:45	Ryan Trenholm	100	<2,>12	.1		11/21/24 16:18	Victor Kono	1	K
L2467254-07 SAMP	11/21/24 11:45	Ryan Trenholm	100	<2,>12	.1		11/21/24 16:18	Victor Kono	1	K
L2467254-08 SAMP	11/21/24 11:45	Ryan Trenholm	100	<2,>12	.1		11/21/24 16:18	Victor Kono	1	K
L2467254-11 SAMP	11/21/24 11:45	Ryan Trenholm	100	<2,>12	.1		11/21/24 16:18	Victor Kono	1	K
L2467254-12 SAMP	11/21/24 11:45	Ryan Trenholm	100	<2,>12	.1		11/21/24 16:18	Victor Kono	1	K
L2467254-13 SAMP	11/21/24 11:45	Ryan Trenholm	100	<2,>12	.1		11/21/24 16:18	Victor Kono	1	K

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ORGANIC ELN REPORT

Workgroup: WG2000366

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2467254-14 SAMP	11/21/24 11:45	Ryan Trenholm	100	<2,>12	.1		11/21/24 16:18	Victor Kono	1	K
L2467254-15 SAMP	11/21/24 11:45	Ryan Trenholm	100	<2,>12	.1		11/21/24 16:18	Victor Kono	1	K
L2467414-01 SAMP	11/21/24 11:45	Ryan Trenholm	100	<2,>12	.1		11/21/24 15:38	Victor Kono	1	K
L2467414-02 SAMP	11/21/24 11:45	Ryan Trenholm	100	<2,>12	.1		11/21/24 15:38	Victor Kono	1	K
L2467414-03 SAMP	11/21/24 11:45	Ryan Trenholm	100	<2,>12	.1		11/21/24 15:38	Victor Kono	1	K
L2467414-04 SAMP	11/21/24 11:45	Ryan Trenholm	100	<2,>12	.1		11/21/24 15:38	Victor Kono	1	K
L2467414-05 SAMP	11/21/24 11:45	Ryan Trenholm	100	<2,>12	.1		11/21/24 15:38	Victor Kono	1	K
L2467414-06 SAMP	11/21/24 11:45	Ryan Trenholm	100	<2,>12	.1		11/21/24 15:38	Victor Kono	1	K
WG2000366-1 BLANK	11/21/24 08:29	Ryan Trenholm	100	<2,>12	.1		11/21/24 14:30	Kellsey Geikie	1	K
	SHARING QCS WG2000490, WG2000499									
WG2000366-2 LCS	11/21/24 08:29	Ryan Trenholm	100	<2,>12	.1	.1	11/21/24 14:30	Kellsey Geikie	1	K
	SHARING QCS WG2000490, WG2000499									

Reported: 23-MAY-25 07:11 AM

ORGANIC ELN REPORT

Workgroup: WG2000366

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG2000366-3 LCSD	11/21/24 08:29	Ryan Trenholm	100	<2,>12	.1	.1	11/21/24 14:30	Kellsey Geikie	1	K
	SHARING QCS WG2000490, WG2000499									
WG2000366-4 MS	11/21/24 08:29	Ryan Trenholm	100	<2,>12	.1	.1	11/21/24 14:30	Kellsey Geikie	1	K
WG2000366-5 MSD	11/21/24 08:29	Ryan Trenholm	100	<2,>12	.1	.1	11/21/24 14:30	Kellsey Geikie	1	K

Wet Chemistry

Cyanide Analysis

Results

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-01	Date Collected	: 11/14/24 09:35
Client ID	: MW18-04S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/25/24 15:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-D	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	0.003	0.005	0.001	J

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-02	Date Collected	:	11/14/24 10:40
Client ID	:	MW18-04D	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 15:53
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-D	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-03	Date Collected	: 11/14/24 00:00
Client ID	: BD-20241114	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/25/24 15:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-D	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	0.017	0.005	0.001	

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-04	Date Collected	: 11/14/24 12:10
Client ID	: MW08-05S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/25/24 16:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-D	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	0.028	0.005	0.001	

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-05	Date Collected	: 11/14/24 13:10
Client ID	: MW08-05D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/25/24 16:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-D	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	0.006	0.005	0.001	

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-06	Date Collected	: 11/15/24 09:45
Client ID	: MW93-2D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/25/24 16:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-D	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	0.003	0.005	0.001	J

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-07	Date Collected	:	11/15/24 10:40
Client ID	:	MW93-2S	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 16:43
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-E	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	0.003	0.005	0.001	J

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-08	Date Collected	:	11/15/24 11:40
Client ID	:	MW08-08S	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 16:46
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-E	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-09	Date Collected	: 11/14/24 09:35
Client ID	: MW93-1S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/25/24 16:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-E	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	0.006	0.005	0.001	

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-10	Date Collected	: 11/14/24 10:45
Client ID	: MW93-1D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/25/24 16:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-E	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	0.019	0.005	0.001	

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-11	Date Collected	:	11/15/24 08:45
Client ID	:	MW08-07S	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 16:51
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-E	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-12	Date Collected	:	11/15/24 12:20
Client ID	:	MW08-07D	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 16:52
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-E	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-13	Date Collected	:	11/15/24 09:55
Client ID	:	MW08-06S	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 16:53
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-E	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-14	Date Collected	: 11/15/24 10:45
Client ID	: MW08-06D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/25/24 16:54
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-E	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-15	Date Collected	:	11/15/24 11:50
Client ID	:	MW18-08D	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 16:55
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-E	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: WG2001540-1	Date Collected	: NA
Client ID	: WG2001540-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/25/24 15:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-D	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: WG2001556-1	Date Collected	: NA
Client ID	: WG2001556-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 11/25/24 16:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-E	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Sample Raw Data

Author: wetchem16 Date : 11/25/2024

Original Run Filename: OM_11-25-2024_11-47-49AM.OMN Created: 11/25/2024 11:47:49 AM
Original Run Author's Signature: [wetchem16]
Current Run Filename: OM_11-25-2024_11-47-49AM.OMN Last Modified: 11/25/2024 12:01:58 PM
Current Run Author's Signature: [wetchem16]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide (ug CN/ 50 mL)	ADF	MDF	Weight	
25	1	S1	25.00000				
10	1	S2	10.00000				
5	1	S3	5.00000				
2	1	S4	2.00000				
1	1	S5	1.00000				
0.5	1	S6	0.50000				
0.2	1	S7	0.20000				
0	1	S8	0.00000				
CCV	1	S3	5.07686				
		Known Conc:	0.10000				
		Calibration:	Table/Fig. : 1				
CCB	1	S8	-0.04610				
		Known Conc:	0.00000				
ICV 0.1	1	1	0.11489			50.00000 g	REINJECTED OK

Channel 1 (Cyanide) - Current View

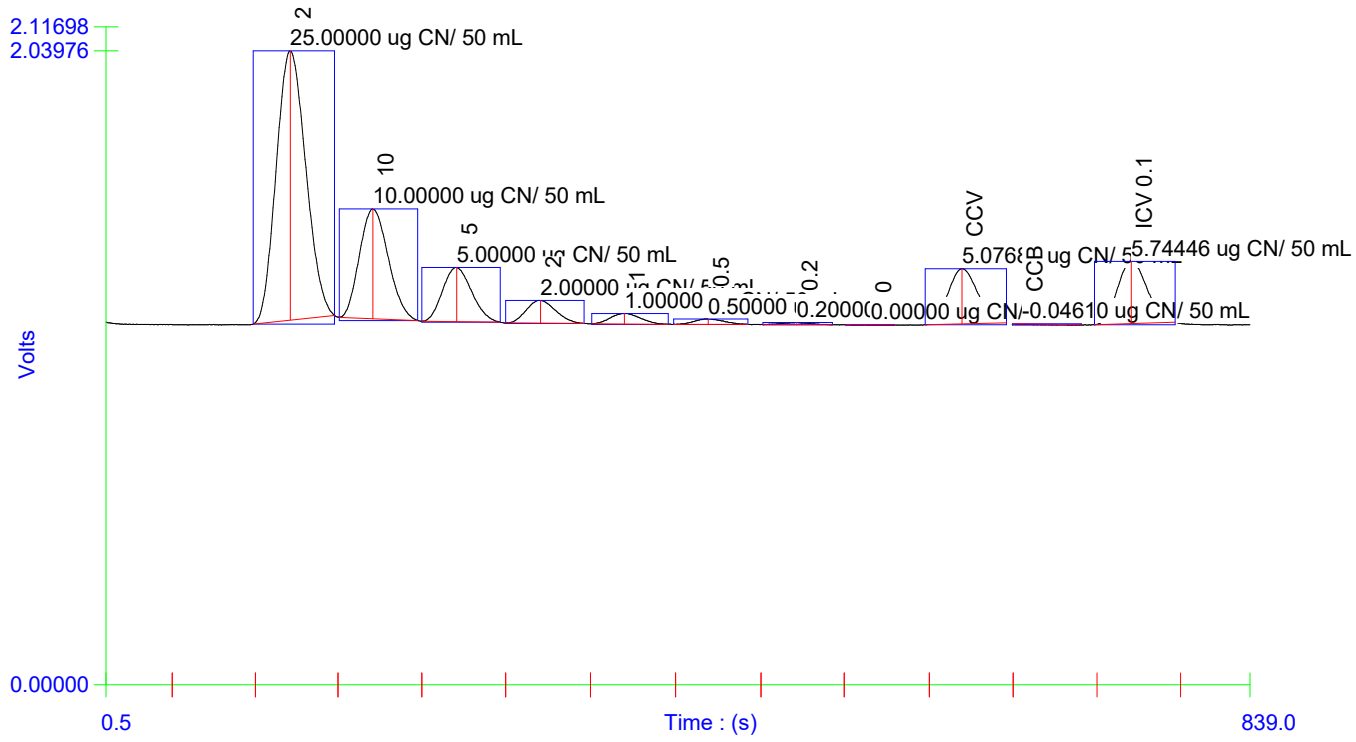
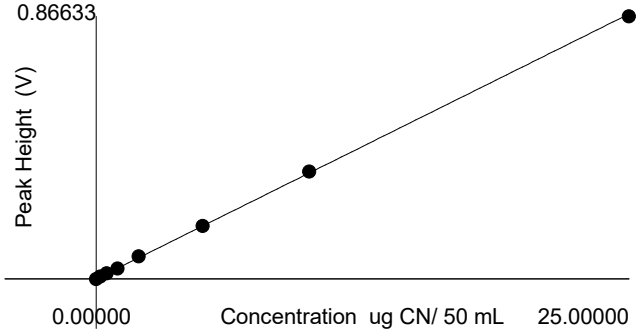


Table : 1 (Cyanide)

	Known Conc. (ug CN/ 50 mL)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (ug CN/ 50 mL)	Detection Date	Detection Time
1	25.00000	1	21.71243	0.86633	0.0	0.9	24.75831	11/25/2024	11:48:41 AM
2	10.00000	1	8.63372	0.35328	0.0	-1.1	10.10468	11/25/2024	11:49:41 AM
3	5.00000	1	4.29006	0.17429	0.0	0.1	4.99259	11/25/2024	11:50:42 AM
4	2.00000	1	1.81296	0.07351	0.0	-5.8	2.11401	11/25/2024	11:51:44 AM
5	1.00000	1	0.85158	0.03401	0.0	1.4	0.98588	11/25/2024	11:52:46 AM
6	0.50000	1	0.43856	0.01777	0.0	-4.5	0.52189	11/25/2024	11:53:48 AM
7	0.20000	1	0.16056	0.00678	0.0	-4.3	0.20803	11/25/2024	11:54:50 AM
8	0.00000	1	-0.02801	-0.00139			-0.02523	11/25/2024	11:55:53 AM

Figure : 1 (Cyanide)



Height = 0.03500 * Conc - 0.00050
Conc = 28.56169 * Height + 0.01449
Correlation Coefficient (r) = 0.99998

Weighting : 1/x

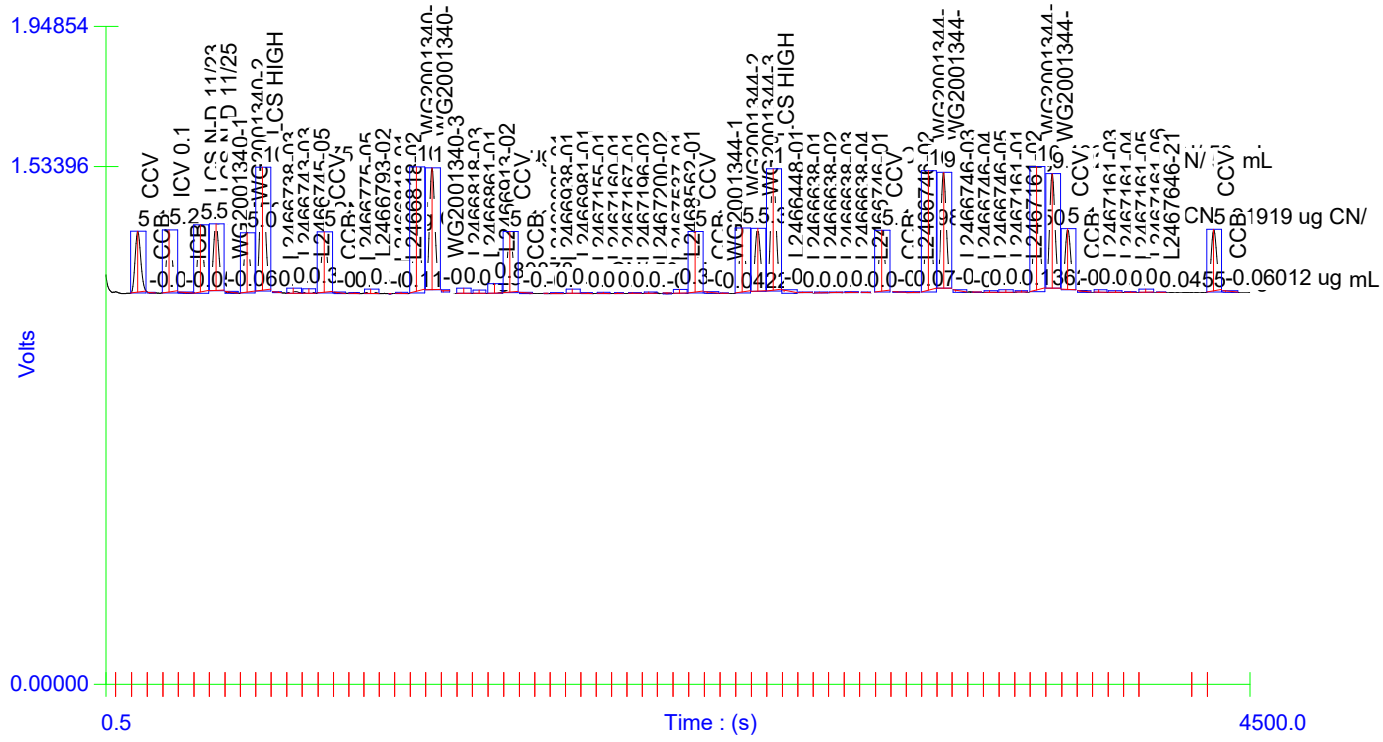
Author: wetchem16 Date : 11/25/2024

Original Run Filename: OM_11-25-2024_12-05-28PM.OMN Created: 11/25/2024 12:05:28 PM
Original Run Author's Signature: [wetchem16]
Current Run Filename: OM_11-25-2024_12-05-28PM.OMN Last Modified: 11/25/2024 1:20:56 PM
Current Run Author's Signature: [wetchem16]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide (ug CN/ 50 mL)	ADF	MDF	Weight	
CCV	1	S3	5.17119				
	Known Conc:		0.10000				
	Calibration:		Table/Fig. : 1				
CCB	1	S8	-0.02750				
	Known Conc:		0.00000				
ICV 0.1	1	1	0.10514			50.00000 g	
ICB	1	2	-0.00100			50.00000 g	
LCS N-D 11/23	1	3	0.11388			50.00000 g	
LCS N-D 11/25	1	4	0.11292			50.00000 g	
WG2001340-1	1	5	-0.00139			50.00000 g	
WG2001340-2	1	6	0.10035			50.00000 g	100%
LCS HIGH	1	7	0.20829			50.00000 g	104%
L2466738-03	1	8	0.00116			50.00000 g	
L2466743-03	1	9	0.00898			50.00000 g	
L2466745-05	1	10	0.00796			50.00000 g	
CCV	1	S3	5.11778				
	Known Conc:		0.10000				
CCB	1	S8	-0.04354				
	Known Conc:		0.00000				
L2466775-05	1	11	0.00163			50.00000 g	
L2466793-02	1	12	0.00737			50.00000 g	
L2466818-01	1	13	-0.00029			50.00000 g	
L2466818-02	1	14	0.00237			50.00000 g	
WG2001340-4	1	15	0.21096			50.00000 g	105%
WG2001340-5	1	16	0.20668			50.00000 g	103%
WG2001340-3	1	17	-0.00164			50.00000 g	RPD=NC
L2466818-03	1	18	0.00902			50.00000 g	
L2466861-01	1	19	0.00569			50.00000 g	
L2466913-02	1	20	0.01618			50.00000 g	
CCV	1	S3	5.13013				
	Known Conc:		0.10000				
CCB	1	S8	-0.03212				
	Known Conc:		0.00000				
L2466925-01	1	21	-0.00034			50.00000 g	
L2466938-01	1	22	0.00173			50.00000 g	
L2466981-01	1	23	0.00713			50.00000 g	
L2467155-01	1	24	0.00127			50.00000 g	
L2467160-01	1	25	0.00198			50.00000 g	
L2467167-01	1	26	0.00168			50.00000 g	
L2467196-02	1	27	0.00134			50.00000 g	
L2467200-02	1	28	0.00278			50.00000 g	
L2467537-01	1	29	-0.00086			50.00000 g	
L2468562-01	1	30	0.00649			50.00000 g	
CCV	1	S3	5.14374				
	Known Conc:		0.10000				
CCB	1	S8	-0.06951				
	Known Conc:		0.00000				
WG2001344-1	1	31	0.00084			50.00000 g	
WG2001344-2	1	32	0.10873			50.00000 g	109%
WG2001344-3	1	33	0.10622			50.00000 g	106%
LCS HIGH	1	34	0.20541			50.00000 g	103%
L2466448-01	1	35	-0.00211			50.00000 g	
L2466638-01	1	36	0.00129			50.00000 g	
L2466638-02	1	37	0.00166			50.00000 g	
L2466638-03	1	38	0.00122			50.00000 g	
L2466638-04	1	39	0.00160			50.00000 g	
L2466746-01	1	40	0.00124			50.00000 g	
CCV	1	S3	5.14798				
	Known Conc:		0.10000				

CCB	1	S8	-0.01168			
	Known Conc:		0.00000			
L2466746-02	1	41	0.00155			50.00000 g
WG2001344-4	1	42	0.20256			50.00000 g 101%
WG2001344-5	1	43	0.19633			50.00000 g 98%
L2466746-03	1	44	-0.00172			50.00000 g
L2466746-04	1	45	-0.00060			50.00000 g
L2466746-05	1	46	0.00315			50.00000 g
L2467161-01	1	47	0.00461			50.00000 g
L2467161-02	1	48	0.00273			50.00000 g
WG2001344-6	1	49	0.20925			50.00000 g 105%
WG2001344-7	1	50	0.19445			50.00000 g 97%
CCV	1	S3	5.14748			
	Known Conc:		0.10000			
CCB	1	S8	-0.04819			
	Known Conc:		0.00000			
L2467161-03	1	51	0.00424			50.00000 g
L2467161-04	1	52	0.00280			50.00000 g
L2467161-05	1	53	0.00146			50.00000 g
L2467161-06	1	54	0.00554			50.00000 g
L2467646-21	1	55	0.00091			50.00000 g
CCV	1	S3	5.21919			
	Known Conc:		0.10000			
CCB	1	S8	-0.06012			
	Known Conc:		0.00000			

Channel 1 (Cyanide) - Current View

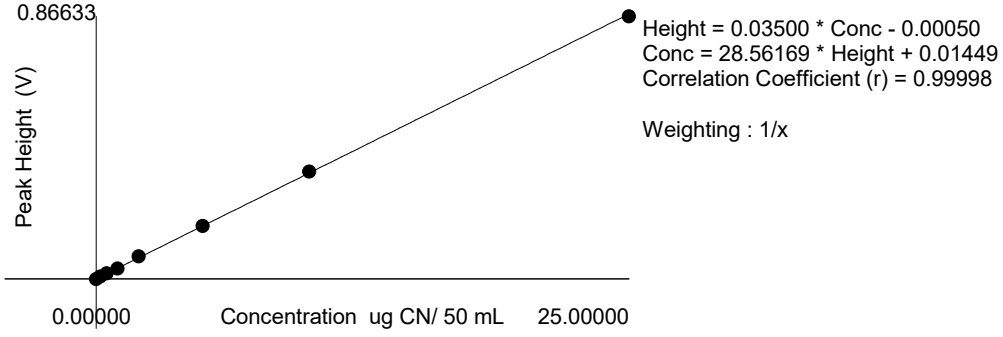


Author: wetchem16 Date : 11/25/2024

Table : 1 (Cyanide)

	Known Conc. (ug CN/ 50 mL)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (ug CN/ 50 mL)	Detection Date	Detection Time
1	25.00000	1	21.71243	0.86633	0.0	0.9	24.75831	11/25/2024	11:48:41 AM
2	10.00000	1	8.63372	0.35328	0.0	-1.1	10.10468	11/25/2024	11:49:41 AM
3	5.00000	1	4.29006	0.17429	0.0	0.1	4.99259	11/25/2024	11:50:42 AM
4	2.00000	1	1.81296	0.07351	0.0	-5.8	2.11401	11/25/2024	11:51:44 AM
5	1.00000	1	0.85158	0.03401	0.0	1.4	0.98588	11/25/2024	11:52:46 AM
6	0.50000	1	0.43856	0.01777	0.0	-4.5	0.52189	11/25/2024	11:53:48 AM
7	0.20000	1	0.16056	0.00678	0.0	-4.3	0.20803	11/25/2024	11:54:50 AM
8	0.00000	1	-0.02801	-0.00139			-0.02523	11/25/2024	11:55:53 AM

Figure : 1 (Cyanide)



Author: wetchem16 Date : 11/25/2024

Original Run Filename: OM_11-25-2024_01-28-13PM.OMN Created: 11/25/2024 1:28:13 PM
Original Run Author's Signature: [wetchem16]
Current Run Filename: OM_11-25-2024_01-28-13PM.OMN Last Modified: 11/25/2024 2:36:34 PM
Current Run Author's Signature: [wetchem16]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide (ug CN/ 50 mL)	ADF	MDF	Weight	
CCV	1	S3	5.27183				
	Known Conc:		0.10000				
CCB	1	S8	-0.02606				
	Known Conc:		0.00000				LCS TV=76mg/Kg
	Calibration:		Table/Fig. : 1				
WG2001233-1	1	1	0.05334			1.02550 g	
WG2001233-2	1	2	72.71941		2.00	0.58660 g	96%
WG2001233-3	1	3	76.71692		2.00	0.58770 g	101%
LCS HIGH	1	4	9.14197			1.06890 g	91%
L2467003-02	1	5	0.15845			1.09520 g	
L2467003-04	1	6	0.09212			1.05360 g	
L2467003-06	1	7	0.07488			1.01000 g	
L2467540-01	1	8	0.11171			1.07740 g	
L2467645-01	1	9	0.12666			1.02260 g	
L2467645-02	1	10	0.07464			1.01780 g	
CCV	1	S3	5.24206				
	Known Conc:		0.10000				
CCB	1	S8	-0.04718				
	Known Conc:		0.00000				
L2467645-03	1	11	0.06458			1.02070 g	
L2467646-16	1	12	0.04078			1.09300 g	
L2467646-17	1	13	-0.04238			1.06190 g	
L2467646-18	1	14	0.04644			1.02550 g	
L2467646-19	1	15	-0.02093			1.04140 g	
L2467646-20	1	16	0.06253			1.03350 g	
WG2001233-6	1	17	9.55570			1.07870 g	96%
WG2001233-7	1	18	10.20666			1.04520 g	102%
L2467646-22	1	19	0.30125			1.02050 g	
L2467646-23	1	20	-0.00246			1.00480 g	
CCV	1	S3	5.18525				
	Known Conc:		0.10000				
CCB	1	S8	-0.02129				
	Known Conc:		0.00000				
L2467650-10	1	21	0.06856			1.00740 g	
WG2001233-4	1	22	9.37769			1.01690 g	94%
WG2001233-5	1	23	9.26116			1.07240 g	93%
L2467650-11	1	24	-0.06054			1.04850 g	
L2467650-12	1	25	0.28458			1.09790 g	
L2467650-13	1	26	0.04801			1.09390 g	
L2467650-14	1	27	0.58804			1.01440 g	
L2467650-15	1	28	-0.02084			1.02760 g	LCS TV=76mg/Kg
WG2001232-1	1	29	0.03405			1.07820 g	
WG2001232-2	1	30	85.66593		2.00	0.57400 g	113%
CCV	1	S3	5.04256				
	Known Conc:		0.10000				
CCB	1	S8	-0.08107				
	Known Conc:		0.00000				
WG2001232-3	1	31	78.00079		2.00	0.58140 g	103%
LCS HIGH	1	32	10.02863			1.08000 g	100%
L2467650-04	1	33	0.48425			1.00510 g	
L2467650-05	1	34	0.05790			1.01630 g	
L2467650-06	1	35	0.11888			1.05150 g	
L2467650-07	1	36	-0.02499			1.00730 g	
L2467650-08	1	37	0.20916			1.09200 g	
L2467650-09	1	38	0.06327			1.01860 g	
L2467711-01	1	39	0.04218			1.02300 g	
WG2001232-4	1	40	8.67427			1.09040 g	87%
CCV	1	S3	5.15623				
	Known Conc:		0.10000				

CCB	1	S8	-0.02734			
	Known Conc:		0.00000			
WG2001232-5	1	41	9.21595			1.08520 g 92%
L2467711-02	1	42	-0.04265			1.08310 g
WG2001232-6	1	43	9.65897			1.06070 g 97%
WG2001232-7	1	44	9.41931			1.02850 g 94%
L2467711-03	1	45	-0.12269			1.00210 g
L2467711-04	1	46	-0.03197			1.04130 g
L2467711-05	1	47	0.18047			1.02680 g
L2467711-06	1	48	0.10588			1.08730 g
L2467711-07	1	49	0.06397			1.05010 g
L2468524-01	1	50	0.72332			1.09860 g
CCV	1	S3	5.31452			
	Known Conc:		0.10000			
CCB	1	S8	-0.04520			
	Known Conc:		0.00000			

Channel 1 (Cyanide) - Current View

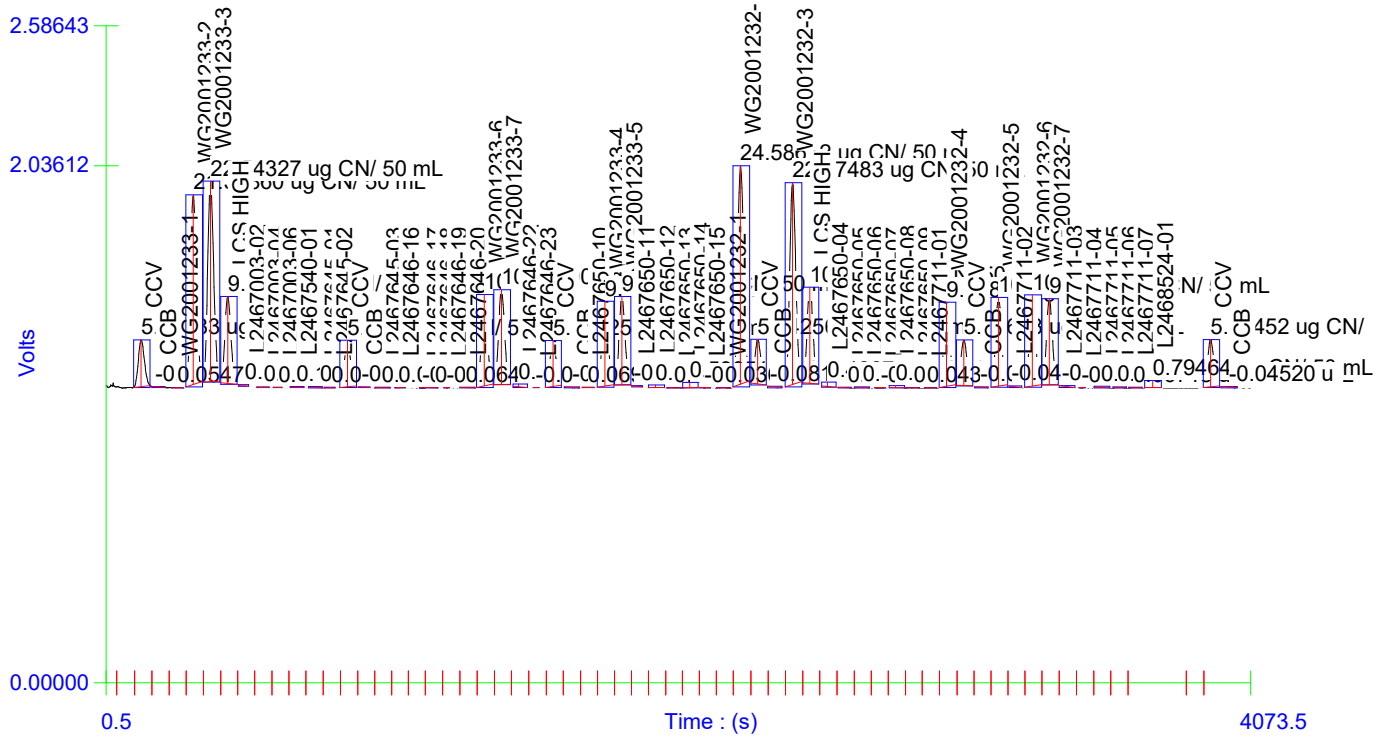
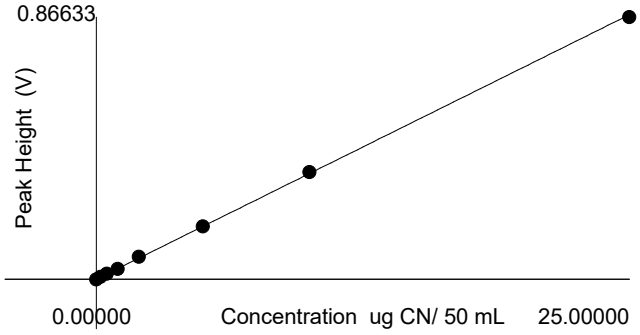


Table : 1 (Cyanide)

	Known Conc. (ug CN/ 50 mL)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (ug CN/ 50 mL)	Detection Date	Detection Time
1	25.00000	1	21.71243	0.86633	0.0	0.9	24.75831	11/25/2024	11:48:41 AM
2	10.00000	1	8.63372	0.35328	0.0	-1.1	10.10468	11/25/2024	11:49:41 AM
3	5.00000	1	4.29006	0.17429	0.0	0.1	4.99259	11/25/2024	11:50:42 AM
4	2.00000	1	1.81296	0.07351	0.0	-5.8	2.11401	11/25/2024	11:51:44 AM
5	1.00000	1	0.85158	0.03401	0.0	1.4	0.98588	11/25/2024	11:52:46 AM
6	0.50000	1	0.43856	0.01777	0.0	-4.5	0.52189	11/25/2024	11:53:48 AM
7	0.20000	1	0.16056	0.00678	0.0	-4.3	0.20803	11/25/2024	11:54:50 AM
8	0.00000	1	-0.02801	-0.00139			-0.02523	11/25/2024	11:55:53 AM

Author: wetchem16 Date : 11/25/2024

Figure : 1 (Cyanide)



Height = 0.03500 * Conc - 0.00050
Conc = 28.56169 * Height + 0.01449
Correlation Coefficient (r) = 0.99998

Weighting : 1/x

Author: wetchem16 Date : 11/25/2024

Original Run Filename: OM_11-25-2024_02-46-44PM.OMN Created: 11/25/2024 2:46:44 PM
Original Run Author's Signature: [wetchem16]
Current Run Filename: OM_11-25-2024_02-46-44PM.OMN Last Modified: 11/25/2024 3:28:35 PM
Current Run Author's Signature: [wetchem16]
Description: 10-204-00-1-A

LCS TV=76mg/Kg

WG2001346

Sample	Rep.	Cup No.	Channel 1 Cyanide (ug CN/ 50 mL)	ADF	MDF	Weight	
CCV	1	S3	5.30474				
	Known Conc:		0.10000				
CCB	1	S8	-0.03181				
	Known Conc:		0.00000				
	Calibration:		Table/Fig. : 1				
WG2001345-1	1	1	0.04674			1.01950 g	
WG2001345-2	1	2	78.90319		2.00	0.55230 g	104%
WG2001345-3	1	3	74.71354		2.00	0.57510 g	98%
LCS HIGH	1	4	9.97854			1.09850 g	100%
L2466421-01	1	5	-0.07863			1.09320 g	
L2466421-02	1	6	0.06548			1.02580 g	
L2467141-01	1	7	0.10579			1.04040 g	
L2467199-01	1	8	0.09054			1.03580 g	
WG2001345-4	1	9	9.49077			1.06880 g	95%
WG2001345-5	1	10	10.04023			1.00370 g	100%
CCV	1	S3	5.25615				
	Known Conc:		0.10000				
CCB	1	S8	-0.05130				
	Known Conc:		0.00000				
L2467296-02	1	11	0.08465			1.02650 g	
L2467297-01	1	12	0.08529			1.00520 g	
L2467302-01	1	13	0.03916			1.02830 g	
WG2001345-6	1	14	9.43953			1.08900 g	94%
WG2001345-7	1	15	9.37707			1.02000 g	94%
L2467302-02	1	16	-0.08306			1.05220 g	
L2467302-03	1	17	0.04526			1.08430 g	
L2467302-04	1	18	0.07740			1.02720 g	
L2467302-05	1	19	0.11851			1.04750 g	
L2467305-01	1	20	0.08284			1.07530 g	
CCV	1	S3	5.32369				
	Known Conc:		0.10000				
CCB	1	S8	-0.04901				
	Known Conc:		0.00000				
L2467305-02	1	21	0.07044			1.05230 g	
L2467345-01	1	22	0.03297			1.08940 g	
L2467504-01	1	23	0.04127			1.08010 g	
L2467504-02	1	24	0.05446			1.09780 g	
L2467504-03	1	25	-0.01161			1.07350 g	
L2468048-01	1	26	0.03834			1.01650 g	
L2467089-01	1	27	-0.02778			1.02150 g	
L2467089-02	1	28	0.06822			1.07070 g	
CCV	1	S3	5.30520				
	Known Conc:		0.10000				
CCB	1	S8	-0.04930				
	Known Conc:		0.00000				

Author: wetchem16 Date : 11/25/2024

Channel 1 (Cyanide) - Current View

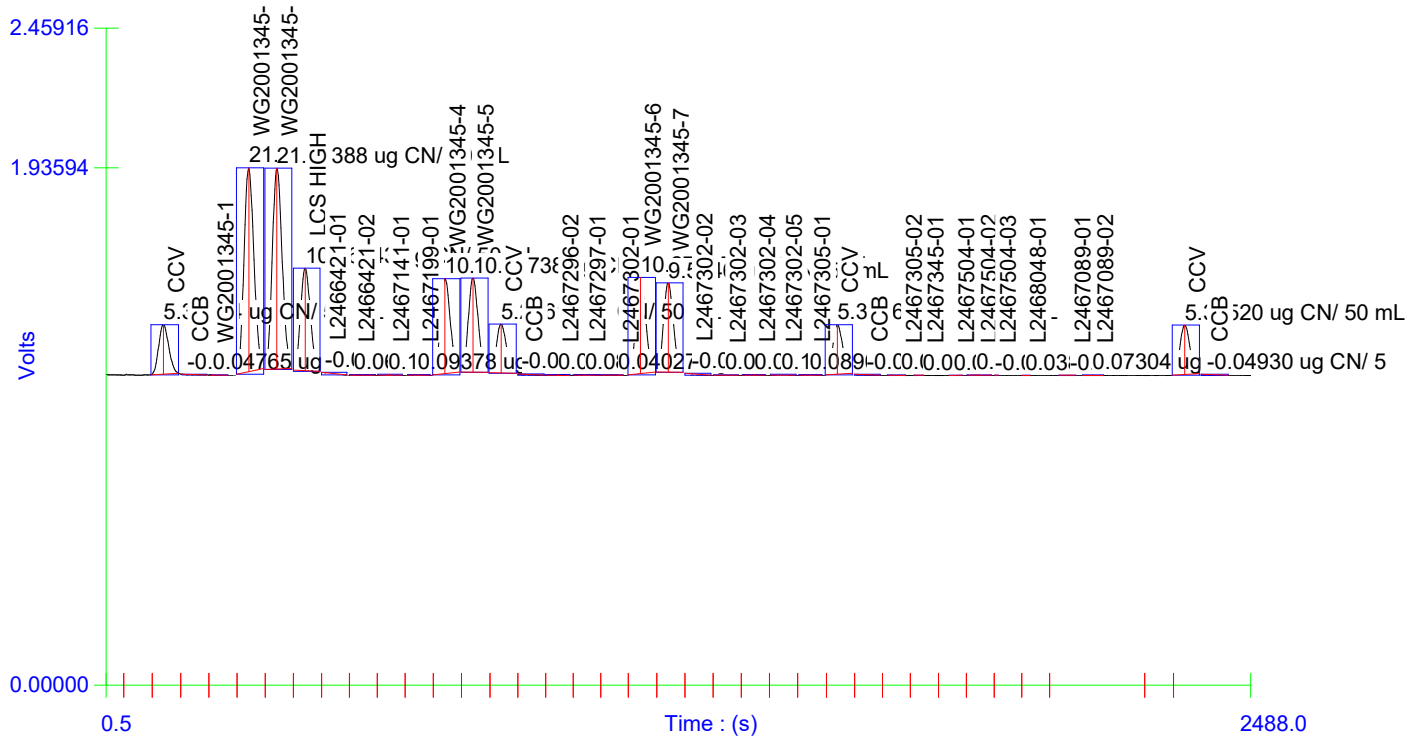
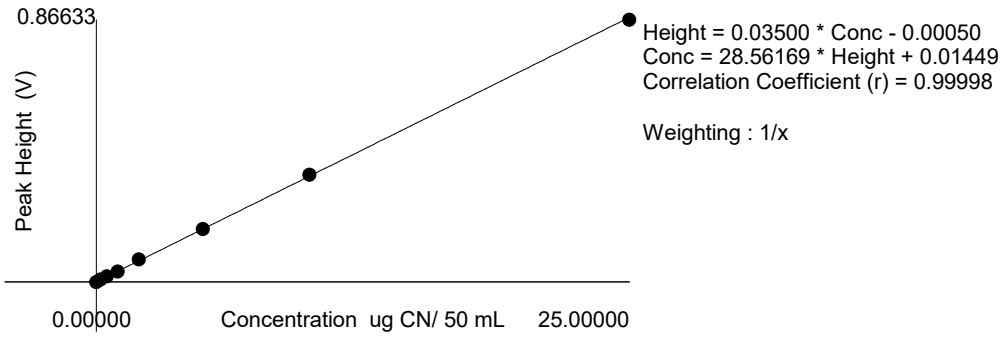


Table : 1 (Cyanide)

	Known Conc. (ug CN/ 50 mL)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (ug CN/ 50 mL)	Detection Date	Detection Time
1	25.00000	1	21.71243	0.86633	0.0	0.9	24.75831	11/25/2024	11:48:41 AM
2	10.00000	1	8.63372	0.35328	0.0	-1.1	10.10468	11/25/2024	11:49:41 AM
3	5.00000	1	4.29006	0.17429	0.0	0.1	4.99259	11/25/2024	11:50:42 AM
4	2.00000	1	1.81296	0.07351	0.0	-5.8	2.11401	11/25/2024	11:51:44 AM
5	1.00000	1	0.85158	0.03401	0.0	1.4	0.98588	11/25/2024	11:52:46 AM
6	0.50000	1	0.43856	0.01777	0.0	-4.5	0.52189	11/25/2024	11:53:48 AM
7	0.20000	1	0.16056	0.00678	0.0	-4.3	0.20803	11/25/2024	11:54:50 AM
8	0.00000	1	-0.02801	-0.00139			-0.02523	11/25/2024	11:55:53 AM

Figure : 1 (Cyanide)



Author: wetchem16 Date : 11/25/2024

Original Run Filename: OM_11-25-2024_03-33-10PM.OMN Created: 11/25/2024 3:33:10 PM
Original Run Author's Signature: [wetchem16]
Current Run Filename: OM_11-25-2024_03-33-10PM.OMN Last Modified: 11/25/2024 4:32:22 PM
Current Run Author's Signature: [wetchem16]
Description: 10-204-00-1-A

	Sample	Rep.	Cup No.	Channel 1 Cyanide (ug CN/ 50 mL)	ADF	MDF	Weight	
	CCV	1	S3	5.33805				
		Known Conc:		0.10000				
	CCB	1	S8	-0.06419				
		Known Conc:		0.00000				
		Calibration:		Table/Fig. : 1				
	WG2001540-1	1	1	0.00088			50.00000 g	
X	WG2001540-2	1	2	0.11563			50.00000 g	
	WG2001540-3	1	3	0.11121			50.00000 g	111%
	LCS HIGH	1	4	0.21889			50.00000 g	109%
	L2466448-03	1	5	0.00192			50.00000 g	
	L2466448-04	1	6	0.00359			50.00000 g	
	L2467161-07	1	7	0.00459			50.00000 g	
	L2467161-08	1	8	0.00143			50.00000 g	
	L2467161-09	1	9	0.00350			50.00000 g	
	L2467161-10	1	10	0.00220			50.00000 g	
	CCV	1	S3	5.28087				
		Known Conc:		0.10000				
	CCB	1	S8	-0.06118				
		Known Conc:		0.00000				
	L2467161-11	1	11	0.00055			50.00000 g	
	L2467161-12	1	12	0.00182			50.00000 g	
	L2467161-13	1	13	-0.00034			50.00000 g	
	L2467161-14	1	14	0.00093			50.00000 g	
	L2467254-01	1	15	0.00312			50.00000 g	
	L2467254-02	1	16	-0.00058			50.00000 g	
	WG2001540-4	1	17	0.21001			50.00000 g	105%
	WG2001540-5	1	18	0.20681			50.00000 g	103%
	L2467254-03	1	19	0.01707			50.00000 g	
	WG2001540-6	1	20	0.22980			50.00000 g	106%
	CCV	1	S3	5.24224				
		Known Conc:		0.10000				
	CCB	1	S8	-0.05259				
		Known Conc:		0.00000				
	WG2001540-7	1	21	0.24248			50.00000 g	113%
	L2467254-04	1	22	0.02843			50.00000 g	
	L2467254-05	1	23	0.00642			50.00000 g	
	L2467254-06	1	24	0.00304			50.00000 g	
	WG2001539-1	1	25	0.00220			50.00000 g	
	WG2001539-2	1	26	0.10642			50.00000 g	106%
	WG2001539-3	1	27	0.10754			50.00000 g	108%
	LCS HIGH	1	28	0.21375			50.00000 g	107%
	L2466956-34	1	29	0.09183			50.00000 g	
	WG2001539-4	1	30	0.31373			50.00000 g	111%
	CCV	1	S3	5.08275				
		Known Conc:		0.10000				
	CCB	1	S8	-0.05034				
		Known Conc:		0.00000				
	WG2001539-5	1	31	0.36346			50.00000 g	136%
	L2467074-32	1	32	-0.00303			50.00000 g	
	L2467074-36	1	33	0.00102			50.00000 g	
	L2467347-01	1	34	0.00452			50.00000 g	
	L2467351-01	1	35	0.00498			50.00000 g	
	L2467456-01	1	36	0.00347			50.00000 g	
	L2467456-02	1	37	0.00228			50.00000 g	
	L2467456-03	1	38	0.00254			50.00000 g	
	L2467456-09	1	39	0.00140			50.00000 g	
	L2467456-10	1	40	0.00080			50.00000 g	
	CCV	1	S3	5.23068				
		Known Conc:		0.10000				

CCB	1	S8	-0.04611			
	Known Conc:		0.00000			
WG2001540-2	1	2	0.11238			50.00000 g
CCV	1	S3	5.20587			
	Known Conc:		0.10000			
CCB	1	S8	-0.02274			
	Known Conc:		0.00000			

112%

Channel 1 (Cyanide) - Current View

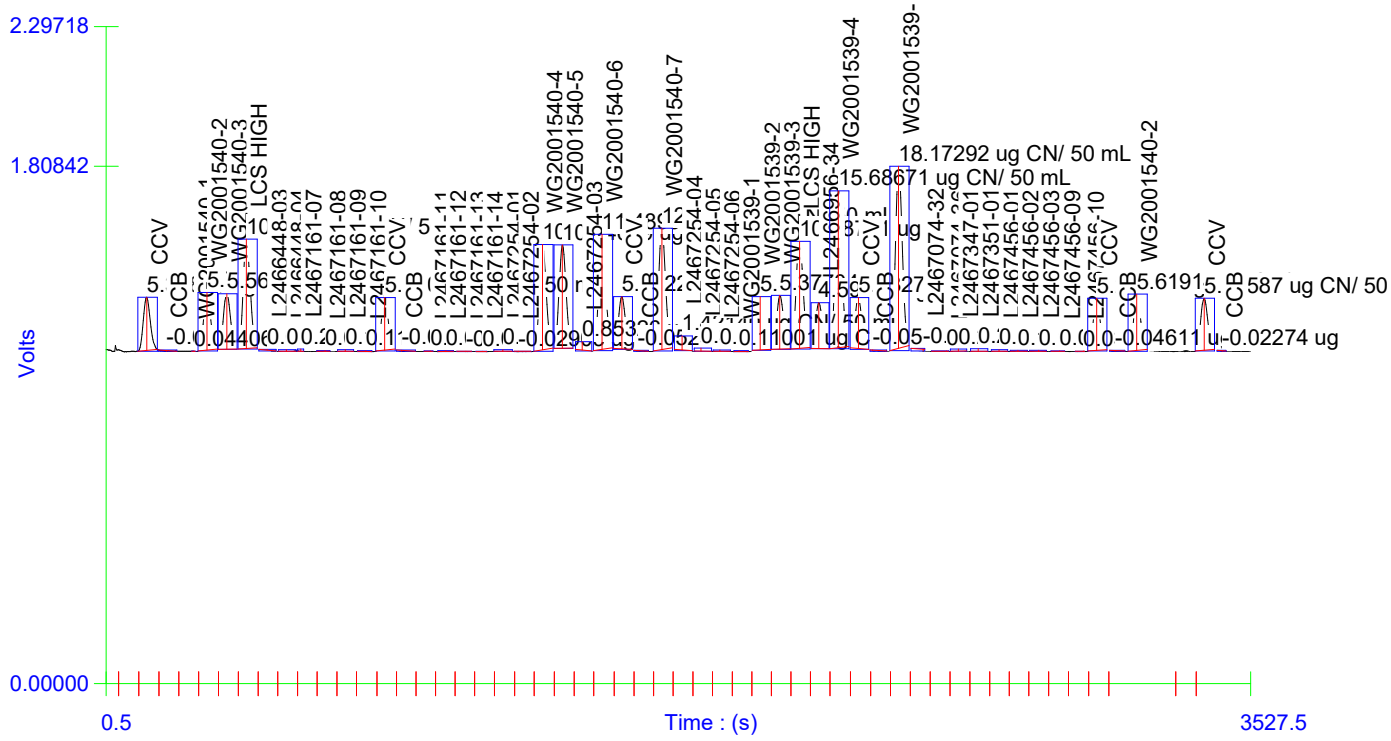
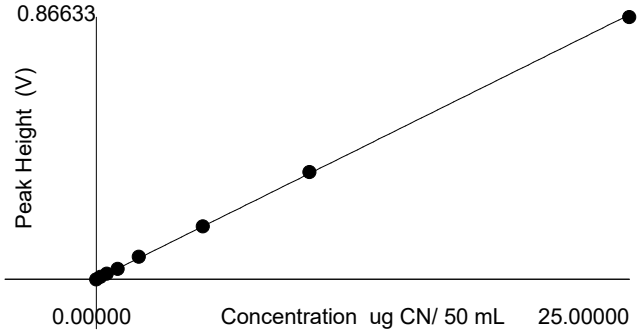


Table : 1 (Cyanide)

	Known Conc. (ug CN/ 50 mL)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (ug CN/ 50 mL)	Detection Date	Detection Time
1	25.00000	1	21.71243	0.86633	0.0	0.9	24.75831	11/25/2024	11:48:41 AM
2	10.00000	1	8.63372	0.35328	0.0	-1.1	10.10468	11/25/2024	11:49:41 AM
3	5.00000	1	4.29006	0.17429	0.0	0.1	4.99259	11/25/2024	11:50:42 AM
4	2.00000	1	1.81296	0.07351	0.0	-5.8	2.11401	11/25/2024	11:51:44 AM
5	1.00000	1	0.85158	0.03401	0.0	1.4	0.98588	11/25/2024	11:52:46 AM
6	0.50000	1	0.43856	0.01777	0.0	-4.5	0.52189	11/25/2024	11:53:48 AM
7	0.20000	1	0.16056	0.00678	0.0	-4.3	0.20803	11/25/2024	11:54:50 AM
8	0.00000	1	-0.02801	-0.00139			-0.02523	11/25/2024	11:55:53 AM

Author: wetchem16 Date : 11/25/2024

Figure : 1 (Cyanide)



Height = 0.03500 * Conc - 0.00050
Conc = 28.56169 * Height + 0.01449
Correlation Coefficient (r) = 0.99998

Weighting : 1/x

Author: wetchem16 Date : 11/25/2024

Original Run Filename: OM_11-25-2024_04-36-19PM.OMN Created: 11/25/2024 4:36:19 PM
Original Run Author's Signature: [wetchem16]
Current Run Filename: OM_11-25-2024_04-36-19PM.OMN Last Modified: 11/25/2024 5:31:22 PM
Current Run Author's Signature: [wetchem16]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide (ug CN/ 50 mL)	ADF	MDF	Weight	
CCV	1	S3	5.19275				
	Known Conc:		0.10000				
CCB	1	S8	0.05116				
	Known Conc:		0.00000				
	Calibration:		Table/Fig. : 1				
WG2001556-1	1	1	0.00152			50.00000 g	
WG2001556-2	1	2	0.11461			50.00000 g	115%
~~WG2001556-3~~	1	3	0.10848			50.00000 g	108%
LCS HIGH	1	4	0.17470			50.00000 g	87%
L2467254-07	1	5	0.00314			50.00000 g	
WG2001556-4	1	6	0.20923			50.00000 g	105%
WG2001556-5	1	7	0.19402			50.00000 g	97%
L2467254-08	1	8	-0.00198			50.00000 g	
L2467254-09	1	9	0.00677			50.00000 g	
L2467254-10	1	10	0.01988			50.00000 g	
CCV	1	S3	5.25178				
	Known Conc:		0.10000				
CCB	1	S8	-0.04706				
	Known Conc:		0.00000				
L2467254-11	1	11	-0.00060			50.00000 g	
L2467254-12	1	12	-0.00065			50.00000 g	
L2467254-13	1	13	0.00176			50.00000 g	
L2467254-14	1	14	0.00095			50.00000 g	
L2467254-15	1	15	0.00092			50.00000 g	
L2466956-02	1	16	0.00273			50.00000 g	
WG2001560-4	1	17	0.20584			50.00000 g	103%
WG2001560-5	1	18	0.21036			50.00000 g	105%
L2466956-03	1	19	-0.00152			50.00000 g	
L2467309-02	1	20	0.00275			50.00000 g	
CCV	1	S3	5.25686				
	Known Conc:		0.10000				
CCB	1	S8	-0.02654				
	Known Conc:		0.00000				
L2467494-05	1	21	0.00078			50.00000 g	
WG2001559-1	1	22	0.00081			50.00000 g	
WG2001559-2	1	23	0.11303			50.00000 g	
LCS HIGH	1	24	0.22177			50.00000 g	111%
L2466949-01	1	25	-0.00065			50.00000 g	
WG2001559-3	1	26	0.20740			50.00000 g	104%
WG2001559-4	1	27	-0.00143			50.00000 g	RPD=NC
L2466748-05	1	28	0.00228			50.00000 g	
L2466764-01	1	29	0.00146			50.00000 g	
L2466764-02	1	30	0.00443			50.00000 g	
CCV	1	S3	5.18244				
	Known Conc:		0.10000				
CCB	1	S8	-0.03710				
	Known Conc:		0.00000				
L2467106-01	1	31	0.00264			50.00000 g	
WG2001557-3	1	32	0.21255			50.00000 g	106%
WG2001557-4	1	33	-0.00066			50.00000 g	RPD=NC
L2467106-02	1	34	0.00158			50.00000 g	
L2467133-01	1	35	0.13849			50.00000 g	
L2467137-01	1	36	0.03192			50.00000 g	
L2467528-01	1	37	0.00144			50.00000 g	
L2467545-01	1	38	0.00181			50.00000 g	
L2467545-02	1	39	0.00315			50.00000 g	
L2467652-01	1	40	0.01149			50.00000 g	
CCV	1	S3	5.27575				
	Known Conc:		0.10000				

WG2001560
WG2001559-2
WG2001557-2
WG2001557
X

	CCB	1	S8	-0.02558			
WG2001560-3		Known Conc:		0.00000			
WG2001556-3	~~WG2001559-2~~	1	23	0.11530			50.00000 g

115%
CCV REINJECTED

Channel 1 (Cyanide) - Current View

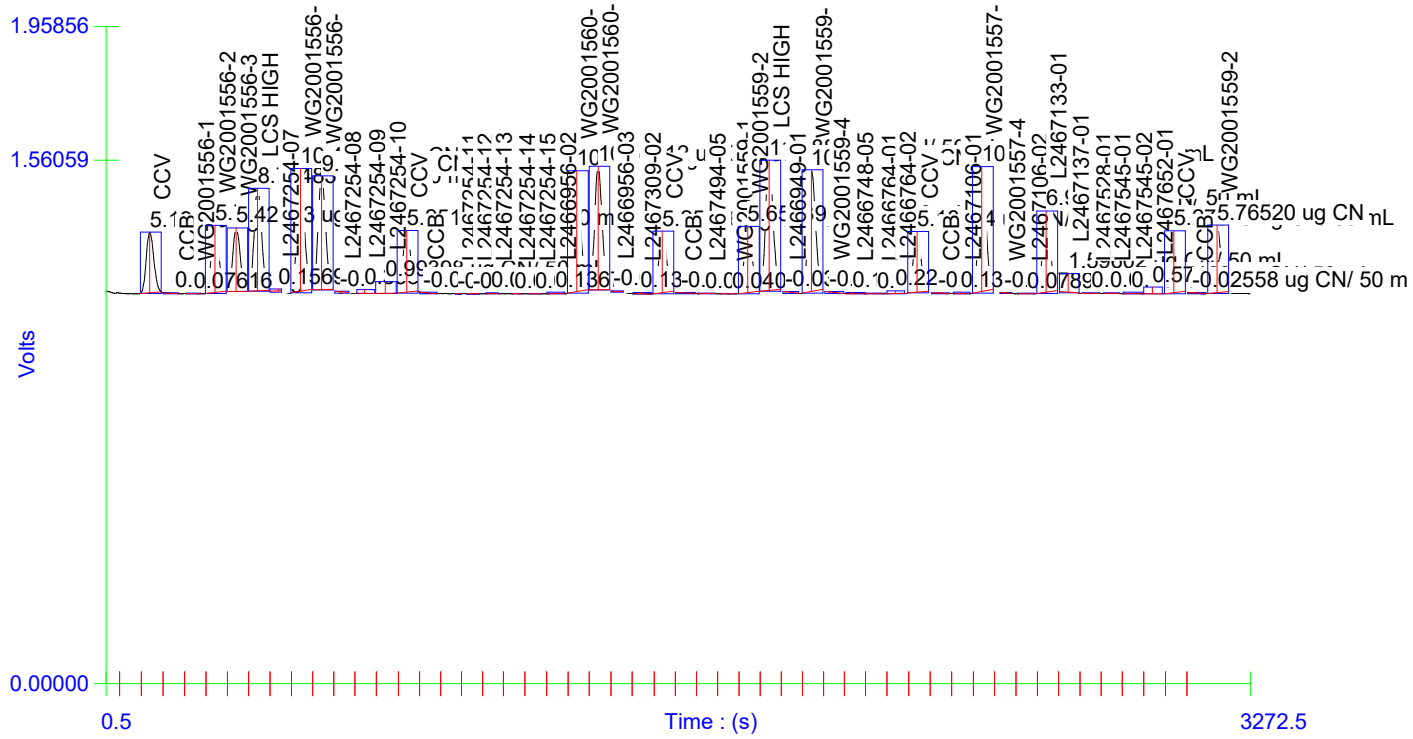
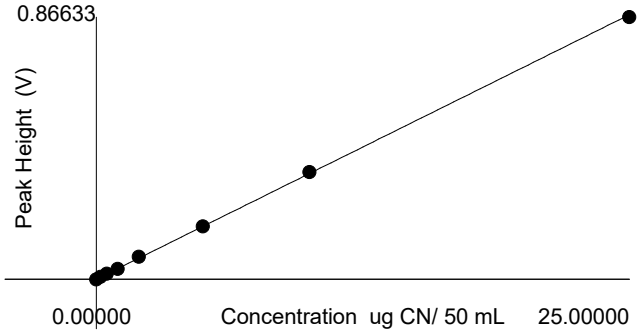


Table : 1 (Cyanide)

	Known Conc. (ug CN/ 50 mL)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (ug CN/ 50 mL)	Detection Date	Detection Time
1	25.00000	1	21.71243	0.86633	0.0	0.9	24.75831	11/25/2024	11:48:41 AM
2	10.00000	1	8.63372	0.35328	0.0	-1.1	10.10468	11/25/2024	11:49:41 AM
3	5.00000	1	4.29006	0.17429	0.0	0.1	4.99259	11/25/2024	11:50:42 AM
4	2.00000	1	1.81296	0.07351	0.0	-5.8	2.11401	11/25/2024	11:51:44 AM
5	1.00000	1	0.85158	0.03401	0.0	1.4	0.98588	11/25/2024	11:52:46 AM
6	0.50000	1	0.43856	0.01777	0.0	-4.5	0.52189	11/25/2024	11:53:48 AM
7	0.20000	1	0.16056	0.00678	0.0	-4.3	0.20803	11/25/2024	11:54:50 AM
8	0.00000	1	-0.02801	-0.00139			-0.02523	11/25/2024	11:55:53 AM

Author: wetchem16 Date : 11/25/2024

Figure : 1 (Cyanide)



Height = 0.03500 * Conc - 0.00050
Conc = 28.56169 * Height + 0.01449
Correlation Coefficient (r) = 0.99998

Weighting : 1/x

Author: wetchem16 Date : 11/25/2024

Original Run Filename: OM_11-25-2024_05-31-56PM.OMN Created: 11/25/2024 5:31:56 PM
Original Run Author's Signature: [wetchem16]
Current Run Filename: OM_11-25-2024_05-31-56PM.OMN Last Modified: 11/25/2024 5:36:42 PM
Current Run Author's Signature: [wetchem16]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide (ug CN/ 50 mL)	ADF	MDF	Weight
CCV	1	S3	5.29564			
Known Conc:			0.10000			
CCB	1	S8	-0.04413			
Known Conc:			0.00000			
Calibration:			Table/Fig. : 1			

Channel 1 (Cyanide) - Current View

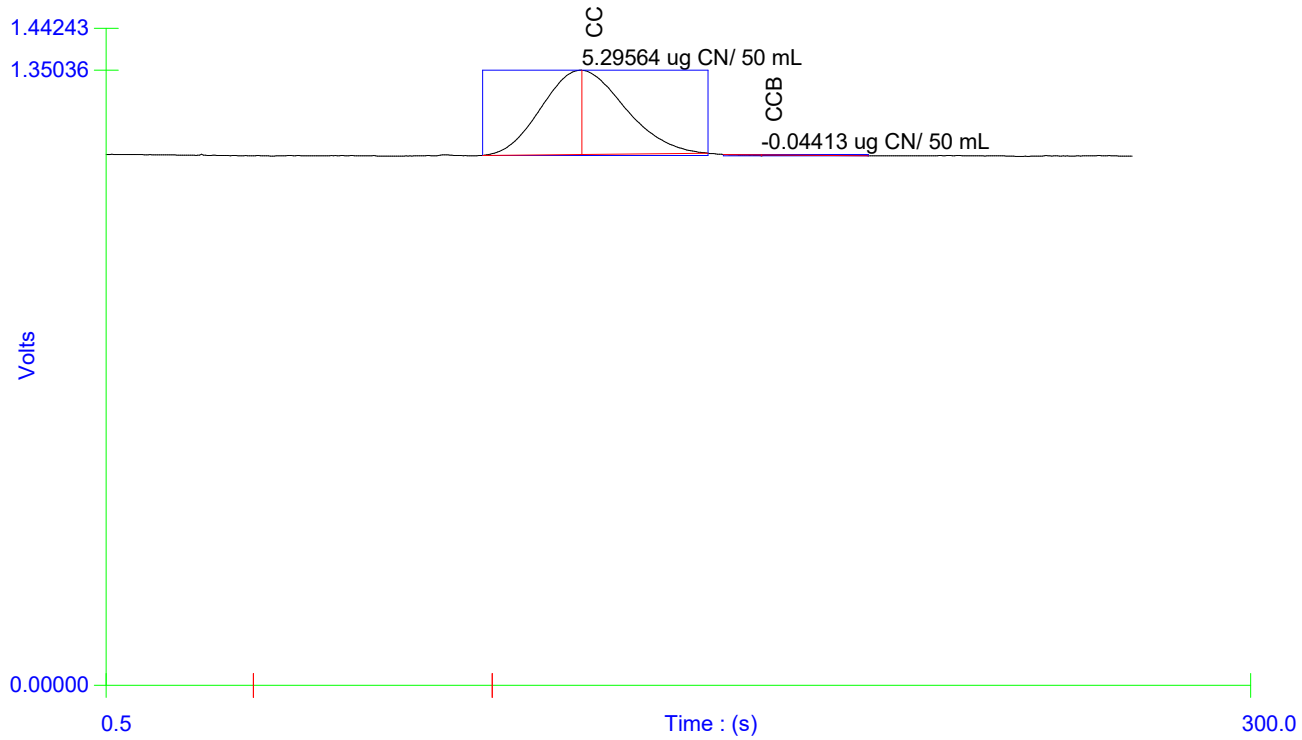
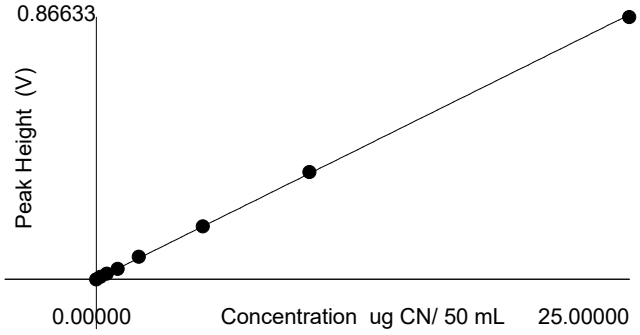


Table : 1 (Cyanide)

	Known Conc. (ug CN/ 50 mL)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (ug CN/ 50 mL)	Detection Date	Detection Time
1	25.00000	1	21.71243	0.86633	0.0	0.9	24.75831	11/25/2024	11:48:41 AM
2	10.00000	1	8.63372	0.35328	0.0	-1.1	10.10468	11/25/2024	11:49:41 AM
3	5.00000	1	4.29006	0.17429	0.0	0.1	4.99259	11/25/2024	11:50:42 AM
4	2.00000	1	1.81296	0.07351	0.0	-5.8	2.11401	11/25/2024	11:51:44 AM
5	1.00000	1	0.85158	0.03401	0.0	1.4	0.98588	11/25/2024	11:52:46 AM
6	0.50000	1	0.43856	0.01777	0.0	-4.5	0.52189	11/25/2024	11:53:48 AM
7	0.20000	1	0.16056	0.00678	0.0	-4.3	0.20803	11/25/2024	11:54:50 AM
8	0.00000	1	-0.02801	-0.00139			-0.02523	11/25/2024	11:55:53 AM

Author: wetchem16 Date : 11/25/2024

Figure : 1 (Cyanide)



Height = 0.03500 * Conc - 0.00050
Conc = 28.56169 * Height + 0.01449
Correlation Coefficient (r) = 0.99998

Weighting : 1/x

Quality Control

Form 5a
Matrix Spike

Client	:	Arcadis of New York, Inc.	**Lab Number**	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	:	30113059
Client Sample ID	:	MW18-04D	**Matrix**	:	WATER
Lab Sample ID	:	L2467254-02			
Matrix Spike	:	WG2001540-4	**MS Analysis Date**	:	11/25/24 15:54
Matrix Spike Dup	:	WG2001540-5	**MSD Analysis Date**	:	11/25/24 15:55

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	**Sample Conc. (mg/l)**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Cyanide, Total	ND	0.2	0.210	105	0.2	0.207	104	11	80-120	20

Form 5a
Matrix Spike

Client	:	Arcadis of New York, Inc.	**Lab Number**	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	:	30113059
Client Sample ID	:	BD-20241114	**Matrix**	:	WATER
Lab Sample ID	:	L2467254-03			
Matrix Spike	:	WG2001540-6	**MS Analysis Date**	:	11/25/24 15:57
Matrix Spike Dup	:	WG2001540-7	**MSD Analysis Date**	:	11/25/24 16:00

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Cyanide, Total	0.017	0.2	0.230	106	0.2	0.242	112	5	80-120	20

Form 5a
Matrix Spike

Client	:	Arcadis of New York, Inc.	**Lab Number**	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	:	30113059
Client Sample ID	:	MW93-2S	**Matrix**	:	WATER
Lab Sample ID	:	L2467254-07			
Matrix Spike	:	WG2001556-4	**MS Analysis Date**	:	11/25/24 16:44
Matrix Spike Dup	:	WG2001556-5	**MSD Analysis Date**	:	11/25/24 16:45

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	**Sample Conc. (mg/l)**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Cyanide, Total	0.003J	0.2	0.209	104	0.2	0.194	97	7	80-120	20

Form 7
Laboratory Control Sample

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2001540-2	**LCS Analysis Date**	: 11/25/24 16:25
Dup Sample ID	: WG2001540-3	**LCSD Analysis Date**	: 11/25/24 15:38

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Cyanide, Total	0.100	0.112	112.	0.100	0.111	111.	1	85-115	20

Form 7
Laboratory Control Sample

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2001556-2	**LCS Analysis Date**	: 11/25/24 16:40
Dup Sample ID	: WG2001556-3	**LCSD Analysis Date**	: 11/25/24 17:28

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Cyanide, Total	0.100	0.115	115.	0.100	0.115	115.	0	85-115	20

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Total	57-12-5	0.005	0.0018	mg/l	90-110		90-110	30	30	4500CN-CE	14 days	1 - Plastic 250ml NaOH preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Total	57-12-5	1	0.212	mg/kg	80-120	35	65-135	35	35	4500CN-CE	14 days	1 - Glass 250ml/8oz unpreserved
Cyanide, Total	57-12-5	1	0.212	mg/kg	80-120	35	75-125	35	35	9010C/9012B	14 days	1 - Glass 250ml/8oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Free	57-12-5	2	0.544	ug/l	75-125		70-130	20	20	9016	14 days	1 - Brown Plastic 120ml NaOH preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Free	57-12-5	1	1	mg/kg						4500CN-E(M)	14 days	1 - Glass 250ml/8oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Physiologically Available	57-12-5	0.005	0.0017	mg/l	80-120		75-125	20	20	9014(M)	14 days	1 - Plastic 250ml NaOH preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Physiologically Available	57-12-5	1	0.125	mg/kg	75-125	20	75-125	20	20	9014(M)	14 days	1 - Glass 250ml/8oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Total Cyanide

Aqueous Samples

The instrument will calculate the concentration (µg/50mL).

Result, mg/L = Cs x (1mg/1000µg) x (1000mL/1L) x (DF)

Where:

C_s = Concentration of sample (µg/50mL)

DF = Dilution Factor

Soil or Solid Samples

Soil samples are calculated as follows:

$$\text{Result, mg/Kg} = \frac{C_s \times (1\text{mg}/1000\mu\text{g}) \times (1000\text{g}/1\text{Kg}) \times (DF)}{A}$$

Where:

C_s = Concentration of sample (µg/50mL)

DF = Dilution Factor

$$A = \frac{\text{Sample weight (grams)}}{\text{Final Volume (50mL)}}$$

Dry weight correction

Dry weight correction is calculated as follows:

$$\text{Final concentration in mg/Kg, dry weight} = \frac{\text{Result, mg/Kg}}{\text{\% solids}}$$

Where:

%solids = Percent Solids, as a decimal value

Calculations of Free Cyanide

Aqueous Samples:

Calculate the concentration value of the sample (in ug/L) directly from the standard curve in spectrophotometric sample:

$$\text{ugFCN/L} = \frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \times \text{Dilution}$$

$$\frac{\mu g}{L}\ \text{free}\ CN^-\ \text{in aqueous sample} =$$

$$\frac{1.3\ \text{mL (center chamber solution volume)}}{3.0\ \text{mL (outer chamber solution volume)}} \times \frac{\mu g}{L}\ \text{free}\ CN^-\ \text{in spectrophotometric sample}$$

Soil Samples:

$$\frac{\mu g}{g}\ \text{free}\ CN^-\ \text{in solid sample} = \frac{\mu g}{L}\ \text{free}\ CN^-\ \text{in extract sample} \times \frac{\text{Final extract solution volume (L)}}{\text{Sample mass (g)}}$$

To calculate final result for soil samples based on dry weight, multiply final result on 100 and divide on %TS (in %)

FCN mg/kg (dry weight) = FCN mg/kg x 100 / TS (%)

Sequence Logs

From Page No. TRAY A

1 ICV 0.1
2 ICB
3 LCSW-011123
4 11/25
5 WG200 1340-1 Blank
6 -2 LCS
7 CCSTi:
8 66738-03
9 66743-03
10 66745-05
11 66775-05
12 66793-02
13 66818-01
14 -02
15 -02MS
16 -02MSD
17 -02 DUP
18 -03
19 66861-01
20 66913-02
21 66925-01
22 66938-01
23 66981-01
24 67055-01
25 ~~66~~67100-01
26 67167-01
27 67196-02
28 67200-02
29 67537-01
30 68568-01
31 WG200 1344-1 Blank
32 -2 LCS
33 -3 LCSD
34 CCSTi:
35 66448-01
36 66638-01
37 -02
38 66638-03
39 -04
40 66746-01
41 -02
42 -02MS
43 -02MSD
44 -03
45 -04
46 -05
47 ~~6t~~ 67161-01
48 -02
49 -02MS
50 -02MSD
51 -04
52 -05
53 -06
54 67646-21

TRAY B

1 WG200 1233-1 Blank
2 -2 LCS
3 -3 LCSD
4 CCSTi:
5 67003-02
6 -04
7 -06
8 67540-01
9 67645-01
10 -02
11 -03
12 67646-16
13 -17
14 -18
15 -19
16 -20
17 -20MS
18 -20MSD
19 -22
20 -23

To Page No.

Witnessed & Understood by me,
Date
Invented by:
Date
Recorded by:

From Page No. TRAY B (cont.)

21 67650-10
22 -10MS
23 -10MSD
24 -11
25 -12
26 -13
27 -14
28 -15
29 WG# 2001232 - 1 Blank
30 -2 LCS
31 -3 LCSD
32 LCSH:
33 67650-04
34 -05
35 -06
36 -07
37 -08
38 -09
39 67701-01
40 -01MS
41 -01MSD
42 -02
43 -02MS
44 -02MSD
45 -03
46 -04
47 -05
48 -06
49 -07
50 68524-01

TRAY C 1345

1 WG# 2001333 - 1 Blank
2 (1346) -2 LCS
3 -3 LCSD
4 LCSH:
5 66421-01
6 -02
7 67241-01
8 67199-01
9 -01MS
10 -01MSD
11 67246-02
12 67247-01
13 67302-01
14 -01MS
15 -01MSD
16 -02
17 -03
18 -04
19 -05
20 67305-01
21 -02
22 67345-01
23 67504-01
24 -02
25 -03
26 68048-01
27 67089-01
28 -02

TRAY D

1 WG# 2001540 - 1 Blank
2 (1536) -2 LCS
3 -3 LCSD
4 LCSH:
5 66448-03
6 -04
7 67161-07
8 -08
9 -09
10 -10
11 -11
12 -12
13 -13
14 -14
15 67254-01

To Page No. _____

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TITLE TCN 11 25 MJER Book No. _____ Confidenti

From Page No. TRAY D (cont.)

16	67254-02		
17	-02ms		
18	-02msd		
19	-03		
20	-03ms		
21	-03msd		
22	-04		
23	-05		
24	-06		
25	66956-04	WG#200 1539-1 Blank	
26	JER -04ms	-2 LCS	
27	-04msd	-3 LCSD	
28	67074-32	LCS-1:	
29	-34	66956-04	
30	-33	67074-32 -04ms	
31		-04msd	
32	67347-01	67074-32	
33	67351	-34	
34	67347-01		
35	67351-01		
36	67456-01		
37	-02		
38	-03		
39	-04		
40	-10		

TRAY E

1	WG#200 1556-1 Blank		
2	(1560)-2 LCS		
3	-3 LCSD		
4	LCS-1:		
5	67254-07		
6	-07ms		
7	-07msd		
8	-08		
9	-09		
10	-10		
11	-11		
12	67254-12		
13	-13		
14	-14		
15	-15		
16	66956-02		
17	-02ms		
18	-02msd		
19	-03		
20	67309-02		
21	67444-05		
22	WG#200 1554-1 Blank		
23	(1557)-2 LCS		
24	LCS-1:		
25	66444-01		
26	-01ms		
27	-01msd		
28	66748-05		
29	66764-01		
30	-02		
31	67106-01		
32	-01ms		
33	-01msd		
34	-02		
35	67133-01		
36	67137-01		
37	67548-01		
38	67545-01		
39	-02		
40	67652-01		

TRAY F

1	WG#200 1551-1 Blank		
2	-2 LCS		
3	-3 LCSD		
4	LCS-1:		
5	67449-03		
6	-03ms		
7	-03msd		
8	-04		

To Page No. ___

Witnessed & Understood by me,	Date	Invented by:	Date
		Recorded by:	

Project No. _____

Book No. _____

TITLE TCN 11 25 24 JFR

From Page No. TRAY F [CONT.]

4 67494-02
10 -03
11 -04
12 WG200549-1 Blank
13 -2 LCS
14 -3 LCSD
15 LCSTi
16 67504-04
17 -05
18 -07
19 -09
20 67553-02
21 -04
22 -06
23 67576-01
24 ~~67577~~ -01MS
25 -01MSD
26 67578 -01~~MSD~~
27 ~~02~~ -01MS
28 ~~67668-01~~ -01MSD
29 ~~67668-01~~ -02
30 -02
31 -03
32 -04
33 -05
34 -06
35 -07
36 -08
37 -09
38 -10
39
40

JFR 11/25/24

9 67494-01
10 -02
11 -03
12 -04
13 WG200549-1 Blank
14 -2 LCS
15 -3 LCSD
16 LCSTi
17 67504-04
18 -05
19 -07
20 -09
21 67573 02
22 -04
23 -06
24 67576-01
25 -01MS
26 -01MSD
27 67577-01
28 -01MS
29 -01MSD
30 -02
31 67628-01
32 -02
33 -03
34 -04
35 -05
36 -06
37 -07
38 -08
39 -09
40 -10

JFR 11/25/24

Witnessed & Understood by me,

Date

Invented by:

Recorded by:

Pyridine-Barbituric: TCN-112324-BR No.
Acetate Buffer: TCN-111624-AB te
Chloramine-T: TCN-112524-CT
Sodium Hydroxide: TCN-

Sample Preparation

WG2001556 WG2001560 WG2001559 WG2001557

Block ID: 2+4

Sulfamic Acid, 0.4N Lot#: TCN- 11 21 24
Sulfuric Acid, 50% Lot#: TCN- 11 19 24
MgCl2, 2.5M Lot#: TCN- 11 21 24
NaOH, 1N Lot#: TCN- 11 23 24
LCS, 10ppm Lot#: TCN- 11 23 24
MS, 10ppm Lot#: TCN- 11 23 24

Tube ID	Sample	Date	Analyst	Vol. (mL)	pH	pH Adjusted	Cl2 Check	Cl2 treated	S-2 Check	S-2 treated	Spike Vol (mL)	Sulfamic Acid (mL)	H2SO4 (mL)	MgCl2 (mL)	NaOH (mL)	Final Vol (mL)	Comment
1	Blank	11 24 24	DWH	50	–		–		–		–	5	5	2	5	50	
2	LCS Hi				–		–		–		1						Start 0200
3	LCS				–		–		–		0.5						Stop 0350
4	LCSD				–		–		–		0.5						
5	67254-07				>12		–		–		–						
6	-07MS				>12		–		–		1						
7	-07MSD				>12		–		–		1						
8	-08				>12		–		–		–						
9	-09				>12		–		–		–						
10	-10				>12		–		–		–						
					–		–		–		–						
11	-11				>12		–		–		–						
12	-12				>12		–		–		–						
13	-13				>12		–		–		–						
14	-14				>12		–		–		–						
15	-15				>12		–		–		–						
16	66956-02				>12		–		–		–						
17	-02MS				>12		–		–		1						
18	-02MSD				>12		–		–		1						
19	-03				>12		–		–		–						
20	67309-02	↓	↓	↓	>12		–		–		–	↓	↓	↓	↓	↓	

Document Type: Form

Pre-Qualtrax Document ID: 07-08

Block ID: 3 T1

Sulfamic Acid, 0.4N	Sulfuric Acid, 50%	MgCl2, 2.5M	NaOH, 1N	LCS, 10ppm	MS, 10ppm
Lot#: TCN- 11 01 04	Lot#: TCN- 11 19 24	Lot#: TCN- 11 01 24	Lot#: TCN- 11 23 04	Lot#: TCN- 11 23 04	Lot#: TCN- 11 23 04

Tube ID	Sample	Date	Analyst	Vol. (mL)	pH	pH Adjusted	Cl2 Check	Cl2 treated	S-2 Check	S-2 treated	Spike Vol (mL)	Sulfamic Acid (mL)	H2SO4 (mL)	MgCl2 (mL)	NaOH (mL)	Final Vol (mL)	Comment
1	67794-05	11 2424	DWH	50	>12		–		–		–	5	5	2	5	50	
2	Blank				–		–		–		–						Start 0200
3	LCS Hi				–		–		–		1						Stop 0350
4	LCS				–		–		–		0.5						
5	66949-01				>12		–		–		–						
6	-01 MS				>12		–		–		1						
7	DUP -01 ~~MSD~~				>12		–		–		–						
8	66748-05				>12		–		–		–						
9	66764-01				>12		–		–		–						
10	-02				>12		–		–		–						
					–		–		–		–						
11	67106-01				>12		–		–		–						
12	-01 MS				>12		–		–		1						
13	-01 DUP				>12		–		–		–						
14	-02				>12		–		–		–						
15	67133-01				>12		–		–		–						
16	67137-01				>12		–		–		–						
17	67528-01				>12		–		–		–						
18	67545-01				>12		–		–		–						
19	-02				>12		–		–		–						
20	67652-01	↓	↓	↓	>12		–		–		–	↓	↓	↓	↓	↓	

WG2001540

WG2001539

Block ID: 2+4

Sulfamic Acid, 0.4N	Sulfuric Acid, 50%	MgCl2, 2.5M	NaOH, 1N	LCS, 10ppm	MS, 10ppm
Lot#: TCN- 11 21 24	Lot#: TCN- 11 19 24	Lot#: TCN- 11 21 24	Lot#: TCN- 11 23 24	Lot#: TCN- 11 23 24	Lot#: TCN- 11 23 24

Tube ID	Sample	Date	Analyst	Vol. (mL)	pH	pH Adjusted	Cl2 Check	Cl2 treated	S-2 Check	S-2 treated	Spike Vol (mL)	Sulfamic Acid (mL)	H2SO4 (mL)	MgCl2 (mL)	NaOH (mL)	Final Vol (mL)	Comment
1	Blank	11 23 24	DWH	50	–		–		–		–	5	5	2	5	50	
2	LCS Hi	↓	↓	↓	–		–		–		1	↓	↓	↓	↓	↓	Start 1950
3	LCS				–		–		–		0.5						Stop 2140
4	LCSD				–		–		–		0.5						
5	66448-03				>12		–		–		–						
6	-04				>12		–		–		–						
7	67161-07				>12		–		–		–						
8	-08				>12		–		–		–						
9	-09				>12				–		–						
10	-10				>12		–		–		–						
					–		–		–		–						
11	-11				>12		–		–		–						
12	-12				>12		–		–		–						
13	-13				>12				–		–						
14	-14				>12				–		–						
15	67254-01				>12		–		–		–						
16	-02				>12		–		–		–						
17	-02 MS				>12		–		–		1						
18	-02 MSD				>12						1						
19	-03				>12				–		–						
20	-03 MS	↓	↓	↓	>12		–		–		1	↓	↓	↓	↓	↓	

Block ID: 3 T1

Sulfamic Acid, 0.4N	Sulfuric Acid, 50%	MgCl2, 2.5M	NaOH, 1N	LCS, 10ppm	MS, 10ppm
Lot#: TCN- 11 21 24	Lot#: TCN- 11 19 24	Lot#: TCN- 11 21 24	Lot#: TCN- 11 23 24	Lot#: TCN- 11 23 24	Lot#: TCN- 11 13 24

Tube ID	Sample	Date	Analyst	Vol. (mL)	pH	pH Adjusted	Cl2 Check	Cl2 treated	S-2 Check	S-2 treated	Spike Vol (mL)	Sulfamic Acid (mL)	H2SO4 (mL)	MgCl2 (mL)	NaOH (mL)	Final Vol (mL)	Comment
1	67254-03MSD	11 23 24	DWH	50	>12		–		–		1	5	5	2	5	50	
2	-04				>12		–		–		–						Start 1950
3	-05				>12		–		–		–						Stop 2140
4	-06				>12		–		–		–						
5	Blank				–		–		–		–						
6	LCS Hi				<		–		<		1						
7	LCS				–		–		–		0.5						
8	LCSD				–		–		–		0.5						
9	66956-04				>12		<		–		–						
10	-04MS				>12		<		<		1						
					–		<		<		–						
11	-04MSD				>12		<		–		1						
12	67074-32				>12		<		–		–						
13	-36				>12		–		–		–						
14	67347-01				>12		–		–		–						
15	67351-01				>12		–		–		–						
16	67456-01				>12		<		–		–						
17	-02				>12				–		–						
18	-03				>12				–		–						
19	-09				>12				–		–						
20	-10	↓	↓	↓	>12				–		–	↓	↓	↓	↓	↓	

Attachment 4

Data Usability Summary Reports

NYSEG – Goshen Former MGP Site

Data Usability Summary Report

Goshen, New York

Volatile Organic Compounds (VOCs), Semi Volatile Organic Compounds (SVOCs), and Cyanide Analyses

SDG #: L2467254

Analyses Performed By:
Alpha Analytical Laboratories
Westborough, Massachusetts

Report # 51565R
Review Level: Tier III
Project: 30226727.24

Summary

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # L2467254 for samples collected in association with the NYSEG Goshen Site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis		
					VOC	SVOC	CN
MW18-04S	L2467254-01	Water	11/14/2024		X	X	X
MW18-04D	L2467254-02	Water	11/14/2024		X	X	X
BD-20241114	L2467254-03	Water	11/14/2024	MW93-1D	X	X	X
MW08-5S	L2467254-04	Water	11/14/2024		X	X	X
MW08-5D	L2467254-05	Water	11/14/2024		X	X	X
MW93-2D	L2467254-06	Water	11/15/2024		X	X	X
MW93-2S	L2467254-07	Water	11/15/2024		X	X	X
MW08-8S	L2467254-08	Water	11/15/2024		X	X	X
MW93-1S	L2467254-09	Water	11/14/2024		X	X	X
MW93-1D	L2467254-10	Water	11/14/2024		X	X	X
MW08-07S	L2467254-11	Water	11/15/2024		X	X	X
MW08-07D	L2467254-12	Water	11/14/2024		X	X	X
MW08-06S	L2467254-13	Water	11/15/2024		X	X	X
MW08-06D	L2467254-14	Water	11/15/2024		X	X	X
MW18-08D	L2467254-15	Water	11/15/2024		X	X	X

Notes:
VOC = Volatile Organic Compounds (VOCs).
SVOC = Semi Volatile Organic Compounds (SVOCs).
CN = Cyanide analysis.

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:
QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United Stated Environmental Protection Agency (USEPA) SW-846 Methods 8260D and 8270E. Data were reviewed in accordance with USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999, as appropriate.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
  - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
  - UB Compound considered non-detect at the listed value due to associated blank contamination.
  - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
  - R The sample results are rejected as unusable. The compound may or may not be present in the sample.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Volatile Organic Compound (VOC) analyses

1. Holding Times

Method	Matrix	Holding Time	Preservation
SW-846 8260D	Water	14 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:
s.u. = Standard units

All samples were analysed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e. laboratory method blanks, trip blanks, and equipment rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure sample storage contamination. Rinse blanks also measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results are not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable, and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All samples exhibited surrogate recoveries within the control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The spiked compounds used in the MS/MSD analysis must exhibit recoveries within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS and MSD results must be within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSDs performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD spiking concentration by a factor of four or greater. Sample results associated with MS/MSD exceedances where the parent samples are not site-specific are not qualified.

The MS/MSD analysis was performed on sample MW18-04D. The MS/MSD analysis exhibited acceptable recoveries and RPDs.

8. Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis are used to assess the precision and accuracy of the analytical method independent of matrix interferences. The spiked compounds used in the LCS/LCSD analysis must exhibit recoveries and RPDs within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

9. Field Duplicate Sample Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result (µg/L)	Duplicate Result (µg/L)	RPD
MW93-1D / BD-20241114	All target compounds	U	U	AC

Notes:
AC = Acceptable
U = non detect

The results between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
C. Trip blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries (%R)		X		X	
Dilution Factor (%D)		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD =Relative standard deviation

%R = Percent recovery

RPD = Relative percent difference

%D = Percent difference

Semivolatile Organic Compound (SVOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8270E	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analysed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results are not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. SVOC analysis requires that two of the three SVOC surrogate compounds within each fraction exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the SVOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was performed on sample MW18-04D. The MS/MSD analysis exhibited acceptable recoveries and RPDs.

8. Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result (µg/L)	Duplicate Result (µg/L)	RPD
MW93-1D / BD-20241114	All target compounds	U	U	AC

Notes:
AC = Acceptable
U = non detect

The results between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for SVOCs

SVOCs: SW-846 8270E	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment/Field blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Quantitation transcriptions/calculations		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD = Relative standard deviation

%R = Percent recovery

RPD = Relative percent difference

%D = Percent difference

Inorganic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 9012B. USEPA CLP National Functional Guidelines for Inorganic Superfund Methods Data Review, document number EPA 542-R-20-006, November 2020(with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, OSWER 9240.1-45, October 2004, as appropriate).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
  - B The reported value was obtained from a reading less than the contract-required detection limit (RL), but greater than or equal to the instrument detection limit (IDL).
- Quantitation (Q) Qualifiers
  - E The reported value is estimated due to the presence of interference.
  - N Spiked sample recovery is not within control limits.
  - * Duplicate analysis is not within control limits.
- Validation Qualifiers
  - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The analyte was not detected above the reported sample detection limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

General Chemistry Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
Total Cyanide by SW846 9012B	Water	14 days from collection to analysis	Cool to <6 °C; preserved to a pH of greater than 12.

All samples were analysed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 and all initial calibration verification standard recoveries were within control limits.

All calibration standard recoveries were within the control limit.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis / Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 MS/MSD Analysis

All analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

The MS/MSD analysis was performed on samples MW18-04D, BD-20241114 and MW93-2S. The MS/MSD analysis exhibited acceptable recoveries and RPDs.

4.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL for soil matrices.

Laboratory duplicate analysis was not performed on samples from this SDG.

5. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD
MW93-1D / BD-20241114	Cyanide	0.019	0.017	AC

Notes:
AC = Acceptable
U = non detect

The results between the parent sample and field duplicate were acceptable.

6. Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS/LCSD analysis exhibited recoveries and RPD within the control limits.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for General Chemistry

General Chemistry: 9012B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Miscellaneous Instrumentation					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment/Field blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
Initial calibration %RSD or correlation coefficient		X		X	
Continuing calibration %R		X		X	
Raw Data					
Transcription/calculation errors present		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%R = percent recovery
RPD = relative percent difference

SAMPLE COMPLIANCE REPORT

SDG	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]			Noncompliance
					VOC	SVOC	MISC	
L2467254	11/14/2024	SW846	MW18-04S	Water	Yes	Yes	Yes	--
	11/14/2024	SW846	MW18-04D	Water	Yes	Yes	Yes	--
	11/14/2024	SW846	BD-20241114	Water	Yes	Yes	Yes	--
	11/14/2024	SW846	MW08-5S	Water	Yes	Yes	Yes	--
	11/14/2024	SW846	MW08-5D	Water	Yes	Yes	Yes	--
	11/15/2024	SW846	MW93-2D	Water	Yes	Yes	Yes	--
	11/15/2024	SW846	MW93-2S	Water	Yes	Yes	Yes	--
	11/15/2024	SW846	MW08-8S	Water	Yes	Yes	Yes	--
	11/14/2024	SW846	MW93-1S	Water	Yes	Yes	Yes	--
	11/14/2024	SW846	MW93-1D	Water	Yes	Yes	Yes	--
	11/15/2024	SW846	MW08-07S	Water	Yes	Yes	Yes	--
	11/14/2024	SW846	MW08-07D	Water	Yes	Yes	Yes	--
	11/15/2024	SW846	MW08-06S	Water	Yes	Yes	Yes	--
	11/15/2024	SW846	MW08-06D	Water	Yes	Yes	Yes	--
	11/15/2024	SW846	MW18-08D	Water	Yes	Yes	Yes	--

Notes:

SDG = sample delivery group

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Bindu Sree M B

SIGNATURE:

DATE: May 30, 2025

PEER REVIEW: Andrew Korycinski

DATE: May 30, 2025

CHAIN OF CUSTODY AND CORRECTED SAMPLE ANALYSIS DATA SHEETS

NEW YORK CHAIN OF CUSTODY

L2467254 22NOV24
ARCADIS – NY

ALPHA ANALYTICAL

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

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

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

Page 1 of 2

Date Rec'd in Lab: 11/15/24

Client Information

Client: Arcadis of NY, Inc.
Address: 110 West Fayette St., Suite 300
Syracuse, NY 13202
Phone: 315-671-9697
Fax:
Email: joe.bistrovich@arcadis.com

Project Information

Project Name: NYSEG - Goshen Former MGP Site
Project Location: Goshen, NY
Project #: 30113059
(Use Project name as Project #) ☐
Project Manager: Matt Hysell
ALPHAQuote #: 22698

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Do not run SIM analysis

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	BTEX - 8260	PAH - 8270	Cyanide - 9010/9012	MS/MSD	Total Bottle	Sample Specific Comments
L2467254 -01	MW18-04S	11/14/24	0935	Water	KV	X	X	X			
-02	MW18-04D	11/14/24	1040	Water	KV	X	X	X	X		
-03	BD-20241114	11/14/24	—	Water	KV	X	X	X			
-04	MW08-5S	11/14/24	1210	Water	KV	X	X	X			
-05	MW08-5D	11/14/24	1310	Water	KV	X	X	X			
-06	MW93-2D	11/15/24	0945	Water	KV	X	X	X			
-07	MW93-2S	11/15/24	1040	Water	KV	X	X	X			
-08	MW08-8S	11/15/24	1140	Water	KV	X	X	X			
-09	MW93-1S	11/14/24	0935	Water	AF	X	X	X			
-10	MW93-1D	11/14/24	1045	Water	AF	X	X	X			
					Container Type	V	A	P			
					Preservative	B	A	E			

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Alex Fedeles/Arcadis	11/15/24 1350		11/15/24 1350
	11/15/24 1352		11/15/24 1352
	11/15/24 2346		11/15/24 23:40

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of

Date Rec'd in Lab: 11/15/24

ALPHA Job #: L2467254

Client Information

Client: Arcadis of NY, Inc.
Address: 110 West Fayette St., Suite 300
Syracuse, NY 13202
Phone: 315-671-9697
Fax:
Email: joe.bistrovich@arcadis.com

Project Information

Project Name: NYSEG - Goshen Former MGP Site
Project Location: Goshen, NY
Project #: 30113059
(Use Project name as Project #) ☐
Project Manager: Matt Hysell
ALPHAQuote #: 22698

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Do not run SIM analysis

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	BTEX - 8260	PAH - 8270	Cyanide - 9010/9012	MS/MSD	Total Bottle	Sample Specific Comments
L2467254 -11	MW08-07S	11/15/24	0845	Water	AF	X	X	X			
-12	MW08-07D	11/14/24	1220	Water	AF	X	X	X			
-13	MW08-06S	11/15/24	0955	Water	AF	X	X	X			
-14	MW08-06D	11/15/24	1045	Water	AF	X	X	X			
-15	MW18-08D	11/15/24	1150	Water	AF	X	X	X			
				Water							
				Water							
				Water							
				Water							
				Water							

Container Type: V A P
Preservative: B A E

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Alexander Fackler / ALPHA	11/15/24/1350		11/15/24 1350
	11/15/24 1350		11/15/24 2140
	11/15/24 2340		11/15/24 23:40

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

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

Surrogate Recovery Summary
Form 2
Volatiles

Client: Arcadis of New York, Inc.
Project Name: NYSEG-GOSHEN FORMER MGP SITE

Lab Number: L2467254
Project Number: 30113059
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW18-04S (L2467254-01)	82	101	97	100	0
MW18-04D (L2467254-02)	88	97	86	114	0
BD-20241114 (L2467254-03)	107	101	102	103	0
MW08-05S (L2467254-04)	87	95	86	110	0
MW08-05D (L2467254-05)	90	95	86	112	0
MW93-2D (L2467254-06)	90	95	86	113	0
MW93-2S (L2467254-07)	90	95	87	114	0
MW08-08S (L2467254-08)	92	95	84	116	0
MW93-1S (L2467254-09)	92	96	85	115	0
MW93-1D (L2467254-10)	93	96	86	118	0
MW08-07S (L2467254-11)	91	96	85	118	0
MW08-07D (L2467254-12)	94	94	84	117	0
MW08-06S (L2467254-13)	92	95	82	118	0
MW08-06D (L2467254-14)	94	95	85	118	0
MW18-08D (L2467254-15)	94	95	83	119	0
WG2000507-3LCS	83	99	94	104	0
WG2000507-4LCSD	89	103	104	104	0
WG2000507-5BLANK	86	98	92	107	0
WG2000602-3LCS	101	102	103	100	0
WG2000602-4LCSD	105	101	102	100	0
WG2000602-5BLANK	102	102	101	100	0
WG2001016-3LCS	88	97	91	111	0
WG2001016-4LCSD	88	97	88	110	0
WG2001016-5BLANK	90	96	85	112	0
MW18-04DMS	89	95	84	113	0
MW18-04DMSD	88	96	86	111	0

QC LIMITS

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

*** Values outside of QC limits**

FORM II NYTCL-8260-BTEX

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-01	Date Collected	: 11/14/24 09:35
Client ID	: MW18-04S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/21/24 12:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V01241121A12	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-02	Date Collected	: 11/14/24 10:40
Client ID	: MW18-04D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 00:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N06	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Lab ID	: L2467254-03	**Date Collected**	: 11/14/24 00:00
Client ID	: BD-20241114	**Date Received**	: 11/15/24
Sample Location	: GOSHEN, NY 10924	**Date Analyzed**	: 11/21/24 15:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE241121A19	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-04	Date Collected	: 11/14/24 12:10
Client ID	: MW08-05S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 01:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N07	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	14	0.50	0.16	
108-88-3	Toluene	3.0	2.5	0.70	
100-41-4	Ethylbenzene	2.9	2.5	0.70	
179601-23-1	p/m-Xylene	2.7	2.5	0.70	
95-47-6	o-Xylene	7.9	2.5	0.70	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-05	Date Collected	: 11/14/24 13:10
Client ID	: MW08-05D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 01:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N08	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-06	Date Collected	: 11/15/24 09:45
Client ID	: MW93-2D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 02:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N09	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-07	Date Collected	: 11/15/24 10:40
Client ID	: MW93-2S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 02:34
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N10	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-08	Date Collected	: 11/15/24 11:40
Client ID	: MW08-08S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 03:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N11	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Lab ID	: L2467254-09	**Date Collected**	: 11/14/24 09:35
Client ID	: MW93-1S	**Date Received**	: 11/15/24
Sample Location	: GOSHEN, NY 10924	**Date Analyzed**	: 11/22/24 03:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V01241121N12	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-10	Date Collected	: 11/14/24 10:45
Client ID	: MW93-1D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 03:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N13	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-11	Date Collected	: 11/15/24 08:45
Client ID	: MW08-07S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 04:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N14	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-12	Date Collected	: 11/15/24 12:20
Client ID	: MW08-07D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 04:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N15	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Lab ID	: L2467254-13	**Date Collected**	: 11/15/24 09:55
Client ID	: MW08-06S	**Date Received**	: 11/15/24
Sample Location	: GOSHEN, NY 10924	**Date Analyzed**	: 11/22/24 05:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V01241121N16	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-14	Date Collected	: 11/15/24 10:45
Client ID	: MW08-06D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 05:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N17	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-15	Date Collected	: 11/15/24 11:50
Client ID	: MW18-08D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 06:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01241121N18	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Arcadis of New York, Inc.
Project Name: NYSEG-GOSHEN FORMER MGP SITE

Lab Number: L2467254
Project Number: 30113059
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (NBZ)	S2 (FBP)	S3 (TPH)	S4 ()	S5 ()	S6 ()	TOT OUT
MW18-04S (L2467254-01)	52	50	65	--	--	--	0
MW18-04D (L2467254-02)	47	45	52	--	--	--	0
BD-20241114 (L2467254-03)	63	58	71	--	--	--	0
MW08-05S (L2467254-04)	62	54	68	--	--	--	0
MW08-05D (L2467254-05)	59	55	62	--	--	--	0
MW93-2D (L2467254-06)	75	71	84	--	--	--	0
MW93-2S (L2467254-07)	64	58	72	--	--	--	0
MW08-08S (L2467254-08)	68	65	77	--	--	--	0
MW93-1S (L2467254-09)	66	59	69	--	--	--	0
MW93-1D (L2467254-10)	61	56	66	--	--	--	0
MW08-07S (L2467254-11)	80	71	87	--	--	--	0
MW08-07D (L2467254-12)	85	71	80	--	--	--	0
MW08-06S (L2467254-13)	80	67	77	--	--	--	0
MW08-06D (L2467254-14)	48	48	55	--	--	--	0
MW18-08D (L2467254-15)	80	70	83	--	--	--	0
WG1999910-1BLANK	83	72	85	--	--	--	0
WG1999910-2LCS	86	74	88	--	--	--	0
WG1999910-3LCSD	73	67	79	--	--	--	0
WG2000366-1BLANK	54	57	71	--	--	--	0
WG2000366-2LCS	57	54	61	--	--	--	0
WG2000366-3LCSD	56	50	61	--	--	--	0
MW18-04DMS	65	56	64	--	--	--	0
MW18-04DMSD	64	58	67	--	--	--	0

QC LIMITS

(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(41-149) TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-01	Date Collected	: 11/14/24 09:35
Client ID	: MW18-04S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/21/24 23:13
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-01	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-02	Date Collected	: 11/14/24 10:40
Client ID	: MW18-04D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 02:22
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-02	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-03	Date Collected	: 11/14/24 00:00
Client ID	: BD-20241114	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/21/24 23:37
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-03	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-04	Date Collected	: 11/14/24 12:10
Client ID	: MW08-05S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 00:01
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-04	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-05	Date Collected	: 11/14/24 13:10
Client ID	: MW08-05D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 00:24
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-05	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-06	Date Collected	: 11/15/24 09:45
Client ID	: MW93-2D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 05:06
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-06	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-07	Date Collected	: 11/15/24 10:40
Client ID	: MW93-2S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 05:30
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-07	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-08	Date Collected	: 11/15/24 11:40
Client ID	: MW08-08S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 05:53
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-08	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-09	Date Collected	: 11/14/24 09:35
Client ID	: MW93-1S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 00:47
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-09	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	1.4	2.0	0.41	J
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	0.90	2.0	0.32	J
50-32-8	Benzo(a)pyrene	1.3	2.0	0.37	J
205-99-2	Benzo(b)fluoranthene	2.0	2.0	0.53	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	0.83	2.0	0.22	J
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	1.2	2.0	0.37	J
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.2	2.0	0.48	J
129-00-0	Pyrene	1.2	2.0	0.41	J

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-10	Date Collected	: 11/14/24 10:45
Client ID	: MW93-1D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 01:11
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-10	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-11	Date Collected	: 11/15/24 08:45
Client ID	: MW08-07S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 06:17
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-11	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-12	Date Collected	: 11/15/24 12:20
Client ID	: MW08-07D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 06:41
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-12	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-13	Date Collected	: 11/15/24 09:55
Client ID	: MW08-06S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 07:04
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-13	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-14	Date Collected	: 11/15/24 10:45
Client ID	: MW08-06D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 07:28
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-14	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-15	Date Collected	: 11/15/24 11:50
Client ID	: MW18-08D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/22/24 07:51
Sample Matrix	: WATER	Date Extracted	: 11/21/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 67254-15	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: DAKOTA
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
91-20-3	Naphthalene	ND	2.0	0.54	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Lab ID	: L2467254-01	**Date Collected**	: 11/14/24 09:35
Client ID	: MW18-04S	**Date Received**	: 11/15/24
Sample Location	: GOSHEN, NY 10924	**Date Analyzed**	: 11/25/24 15:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9010C/9012B	**Analyst**	: JER
Lab File ID	: TCN112524-D	**Instrument ID**	: LACHAT6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-12-5	Cyanide, Total	0.003	0.005	0.001	J

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-02	Date Collected	:	11/14/24 10:40
Client ID	:	MW18-04D	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 15:53
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-D	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	**Lab Number**	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	**Project Number**	: 30113059
Lab ID	: L2467254-03	**Date Collected**	: 11/14/24 00:00
Client ID	: BD-20241114	**Date Received**	: 11/15/24
Sample Location	: GOSHEN, NY 10924	**Date Analyzed**	: 11/25/24 15:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,9010C/9012B	**Analyst**	: JER
Lab File ID	: TCN112524-D	**Instrument ID**	: LACHAT6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 11/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-12-5	Cyanide, Total	0.017	0.005	0.001	

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-04	Date Collected	:	11/14/24 12:10
Client ID	:	MW08-05S	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 16:01
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-D	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	0.028	0.005	0.001	

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-05	Date Collected	: 11/14/24 13:10
Client ID	: MW08-05D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/25/24 16:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-D	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	0.006	0.005	0.001	

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-06	Date Collected	:	11/15/24 09:45
Client ID	:	MW93-2D	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 16:03
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-D	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	0.003	0.005	0.001	J

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-07	Date Collected	: 11/15/24 10:40
Client ID	: MW93-2S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/25/24 16:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-E	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	0.003	0.005	0.001	J

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-08	Date Collected	:	11/15/24 11:40
Client ID	:	MW08-08S	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 16:46
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-E	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-09	Date Collected	: 11/14/24 09:35
Client ID	: MW93-1S	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/25/24 16:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-E	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	0.006	0.005	0.001	

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-10	Date Collected	: 11/14/24 10:45
Client ID	: MW93-1D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/25/24 16:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-E	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	0.019	0.005	0.001	

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-11	Date Collected	:	11/15/24 08:45
Client ID	:	MW08-07S	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 16:51
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-E	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	: Arcadis of New York, Inc.	Lab Number	: L2467254
Project Name	: NYSEG-GOSHEN FORMER MGP SITE	Project Number	: 30113059
Lab ID	: L2467254-12	Date Collected	: 11/15/24 12:20
Client ID	: MW08-07D	Date Received	: 11/15/24
Sample Location	: GOSHEN, NY 10924	Date Analyzed	: 11/25/24 16:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: JER
Lab File ID	: TCN112524-E	Instrument ID	: LACHAT6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-13	Date Collected	:	11/15/24 09:55
Client ID	:	MW08-06S	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 16:53
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-E	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-14	Date Collected	:	11/15/24 10:45
Client ID	:	MW08-06D	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 16:54
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-E	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Form 1
WETCHEM

Client	:	Arcadis of New York, Inc.	Lab Number	:	L2467254
Project Name	:	NYSEG-GOSHEN FORMER MGP SITE	Project Number	:	30113059
Lab ID	:	L2467254-15	Date Collected	:	11/15/24 11:50
Client ID	:	MW18-08D	Date Received	:	11/15/24
Sample Location	:	GOSHEN, NY 10924	Date Analyzed	:	11/25/24 16:55
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	1,9010C/9012B	Analyst	:	JER
Lab File ID	:	TCN112524-E	Instrument ID	:	LACHAT6
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	11/24/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
57-12-5	Cyanide, Total	ND	0.005	0.001	U

Attachment 5

Site Inspection Form

Goshen Former MGP Site
Goshen, Orange County, New York
Site-Wide Inspection Form

Date: 11/15/24
Personnel: Kirk Vargas/Alec Fedele
Time of Arrival: 0800
Time of Departure:

Weather Conditions: Cloudy
Temperature: 35° F
Wind Speed:
Wind Direction (from):

Inspection Checklist	Yes	No	Comments
Asphalt Cover			
Intrusive Activities Being Performed?			
- Trenching?		✓	
- Excavation?		✓	
- Tunneling?		✓	
- Saw cutting?		✓	
Signs of Previous Intrusive Activities Performed?			
- New drainage feature?		✓	
- Evidence of a new underground utility?		✓	
- New grass/vegetation/asphalt?		✓	
- Other (e.g., cracking, potholes, depressions)		✓	
Monitoring Well Condition			
NAPL monitoring needs to be performed this year?	✓		
Covers secure?	✓		
Casing in need of repair?			See Well Integrity Logs
Concrete surface seal intact?	✓		
Settling in area around well?		✓	
Well obstructed?		✓	
Ponded water above well?		✓	
Well screen silted in?		✓	
Well in need of redevelopment?		✓	

General Comments/Suggested Action Items:
took photos of wells on the Gauging Log in fulcrum
See Well Integrity Logs for Well Details + Condition.

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