ROANOKE SAND & GRAVEL CORP.
104 ROCKY POINT ROAD
MIDDLE ISLAND, NY 11953
NYSDEC # 1-4722-00611/00005

2024 4TH QUARTER GROUNDWATER MONITORING EVENT AND REPORT

PREPARED FOR:

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ENVIRONMENTAL ENGINEERING & CONSULTING

QUARTERLY GROUNDWATER MONITORING EVENT AND REPORT
ROANKE SAND & GRAVEL CORP., 104 ROCKY POINT ROAD, MIDDLE ISLAND, NEW YORK
NYSDEC #1-4722-00611/00005

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1.0 INTRODUCTION

This *Quarterly Groundwater Monitoring Report* (Report) has been prepared by P.W. Grosser Consulting, Inc. (PWGC) on behalf of Roanoke Sand & Gravel Corp. (herein referred to as "the Mine" or "the Site"). The overall objective of this report is to document routine groundwater monitoring and sampling activities for the fourth quarter of 2024 (October 2024-December 2024) in accordance with Mined Land Reclamation Permit (MLRP) 1-4722-00611/00005 and the approved Groundwater Monitoring Well Sampling Procedure Plan (GMWSPP) developed by PWGC dated June 2023.

The MLRP is limited to the continuation of below- water-table mining within the currently permitted area of excavation to a maximum depth of 140 feet below the groundwater table and to continue sand and gravel excavation to create a 172.2-acre lake on the property, referred to herein as "the Project." A permit application renewal was submitted in 2021, which was merely a continuation of mining operations as approved following the Request for Mining Permit Modification (RMPM) prepared by PWGC in June 2010, and subsequently renewed in 2016.

This Report documents routine groundwater monitoring and sampling activities performed on December 2 & 3, 2024 As per the approved GMWSPP, the content of the report and sampling includes groundwater elevation measurement and samples collected four times a year from the network of groundwater monitoring wells which includes Wells 2A, 2B, 3A, 3B, 4A, 4B, 5A, 5B, 6A, 6B, 7A, 7B, 8A, 8B, 9A, 9B, 10A, and 10B.

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2.0 SITE DESCRIPTION

2.1. Past and Present Land Use

The Mine is located at the intersection of Miller Place-Yaphank Road and Rocky Point Road, west of William Floyd Parkway and north of Route 25, in Middle Island, New York. The Project area is separated from surrounding land uses by a vegetated buffer zone. Refer to **Figure 1 – Vicinity Map**.

A review of historical aerial photographs indicates the site has been utilized for mining purposes since at least 1962. Vegetated berms and buffers are maintained around the Mine to provide natural visual and acoustical screening from surrounding properties. In addition, a perimeter fence is maintained to provide security for the Mine. Sand and gravel are excavated with an electrically powered wet dredge. Sand and gravel are transported by a conveyor system to the Mine's processing area where it is screened, sorted, and stockpiled. The material is then loaded into vehicles and delivered to local residential, commercial, and municipal construction projects.

The land immediately surrounding the site consists of residential properties, undeveloped, wooded land, and commercial properties. The nearest residence is approximately 380 feet west of the Mine. There is an active mining facility approximately 4,340 feet northwest of the site identified as Coram Materials.

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3.0 GROUNDWATER MONITORING PLAN COMPLIANCE

PWGC has completed an assessment of the groundwater monitoring wells at the Mine. All monitoring wells were observed to be secured, maintained, and accessible.

Groundwater monitoring has been ongoing at the Mine since at least 2006. A Supply Well Protection Management Plan submitted in 2008 as part of a Spill Prevention & Response Plan developed by P.W. Grosser Consulting indicates that seven (7) dual-level monitoring well clusters were installed at that time. In accordance with the permit issued at that time, samples were analyzed for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). Sampling was performed on a quarterly basis in the active working zone (dredging active), while wells located in inactive working zones (dredging complete) were sampled on a biannual basis.

As per the 2016 permit application package, groundwater samples collected from groundwater monitoring wells were analyzed for VOCs, SVOCs, and total metals. Polychlorinated biphenyls (PCBs), pesticides, and herbicides baseline samples were collected in March 2020. In the most recent Permit Application submission, a GMWSPP, dated December 2020, proposed to include sampling for TCL VOCs, TCL SVOCs, and total/dissolved metals. This GMWSPP has since been replaced by the June 2023 iteration which was developed voluntarily per the requirements of the Groundwater Study at Long Island Mines.

The groundwater monitoring plan implemented for the Site during this quarter and documented by this report consisted of the following activities:

Monitoring Program	Frequency
Inspection condition of active groundwater monitoring wells	Quarterly
Collect groundwater measurements from active groundwater monitoring wells	Quarterly
Collect groundwater samples from the active groundwater monitoring wells	Quarterly

3.1. Monitoring Wells Maintenance

All 18 wells installed on-site were inspected during the December 2024 sampling event. **Refer to Figure 2 – Monitoring Well Locations.** Each well was observed to be clear, accessible, and in good condition overall condition.

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4.0 GROUNDWATER MONITORING AND SAMPLING

Groundwater monitoring and sampling for this reporting period were performed by two PWGC hydrogeologists on December 4 - 5, 2024.

4.1. Groundwater Monitoring Well Condition

Eighteen (18) groundwater monitoring wells (2A, 2B, 3A, 3B, 4A, 4B, 5A, 5B, 6A, 6B, 7A, 7B, 8A, 8B, 9A, 9B, 10A, and 10B) are installed at the Mine. These wells are intended to facilitate upgradient and downgradient monitoring in the vicinity of the Mine across the property to provide early notification of potential groundwater impact in the event that contaminants are introduced to the subsurface during mining operations.

4.2. Groundwater Level Gauging

Groundwater level measurements for this reporting period were obtained by PWGC on December 2, 2024 for all wells (2A, 2B, 3A, 3B, 4A, 4B, 5A, 5B, 6A, 6B, 7A, 7B, 8A, 8B, 9A, 9B, 10A, and 10B).

4.2.1. Groundwater Level Gauging Procedure

A PWGC field hydrogeologist collected depth to water (DTW) readings on December 2, 2024. Well logs for this sampling event can be found in **Attachment A**. Field notes for this sampling event can be found in **Attachment B**. An interface probe was slowly lowered into the well and care was taken to prevent it from splashing into the groundwater. No non-aqueous phase liquid (NAPL - product) was detected in the wells. DTW and depth to the bottom (DTB) measurements were collected for all wells. DTB and DTW measurements are obtained from the top of the casing on the compass north side of the casing or at notch. The interface probe was decontaminated after each measurement.

The interface probe measures to an accuracy of hundredths of a foot. These measurements were used to determine groundwater flow direction.

4.2.2. Groundwater Level Gauging Results

Data retrieved on December 2, 2024 was used to generate a groundwater elevation contour map for the groundwater flow. Refer to **Figure 3 – Groundwater Contours December 2024 Shallow** and **Figure 4 – Groundwater Contours December 2024 Deep**.

Well ID	Latitude	Longitude	Measuring Point (feet above MSL)(NAVD88)	Depth to Water (ft)	Groundwater Elevations
2A	40.8983413	72.9493182	68.53	18.15	50.38
2B	40.8983413	72.9493182	68.4	17.93	50.47
3A	40.8963084	72.9459719	62.34	12.59	49.75
3B	40.8963084	72.9459719	62.53	12.72	49.81
4A	40.8943198	72.9443509	61.52	11.7	49.82
4B	40.8943198	72.9443509	61.45	11.65	49.80
5A	40.8903809	72.9484147	59.54	9.57	49.97
5B	40.8903809	72.9484147	59.36	9.54	49.82
6A	40.8873610	72.9483034	122.30	72.83	49.47
6B	40.8873610	72.9483034	122.25	72.89	49.36

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7A	40.8853720	72.9486928	138.96	89.72	49.24
7B	40.8853720	72.9486928	138.76	89.43	49.33
8A	40.8920719	72.9534393	60.41	8.91	51.50
8B	40.8920719	72.9534393	60.34	8.85	51.49
9A	40.8897605	72.9515666	59.01	8.18	50.83
9B	40.8897605	72.9515666	59.09	8.08	51.01
10A	40.8861100	72.9518230	59.82	8.84	50.98
10B	40.8861100	72.9518230	59.93	10.2	49.73

Groundwater elevations from December 2024 at the shallow wells ranged between 51.50 feet AMSL (NAVD88) at 8A and 49.24 feet AMSL (NAVD88) at 7A. Shallow groundwater flow was observed to move in a southeasterly direction during this observational period. This is consistent with observations from previous sample events.

Groundwater elevations from December 2024 at the deep wells ranged between 51.49 feet AMSL (NAVD88) at 8B and 49.33 feet AMSL (NAVD88) at 7B. Deep groundwater flow was observed to move in a southeasterly direction during this observational period. This is consistent with observations from previous sample events.

4.3. Groundwater Monitoring Well Sampling

Groundwater monitoring well sampling is currently being performed four (4) times a year (March, June, September, and December). Groundwater monitoring well sampling was conducted on December 2 & 3, 2024 for this reporting period. PWGC field hydrogeologists sampled each of the groundwater monitoring wells as specified in the MLRP issued on March 11, 2020. The sampling was guided by procedures outlined in the approved GMWSPP developed by PWGC dated June 2023.

4.4. Groundwater Monitoring Well Procedure

Groundwater samples were collected from each monitoring well at the Site. Prior to 2024, groundwater samples were initially collected using Geotech Geosub 2 portable submersible pumps with dedicated polyethylene tubing. To improve sampling efficiency, maintain efficacy, and reduce waste, the installation of dedicated submersible pumps was considered and approved by NYSDEC. On March 8, 2024, PWGC installed dedicated Proactive Sample Champ XL submersible pumps at the approximate depth of midpoint of each well screen. Each pump has been installed with dedicated high-density polyethylene (HDPE) tubing and is capable of collecting low flow groundwater samples. Four (4) equipment blanks were collected from the pumps prior to installation. The Proactive Sample Champ XL submersible pump wire lengths are listed for each well in the following table:

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Well ID	Wire Length (ft)
2A	40
2B	86
3A	38
3B	86
4A	17
4B	40
5A	22
5B	96
6A	94
6B	103
7A	94
7B	150
8A	23
8B	124
9A	23
9B	115
10A	22
10B	141

While attempting to sample well 7A, the PWGC hydrogeologists experienced difficulties discharging groundwater from the dedicated submersible pump. The malfunction of the pump was accompanied by an error message displayed on the pump control box, which displayed "Fault Detected- Unit Shut Down". After consulting with Proactive Environmental Products (the pump manufacturer) it is believed that the pump was overvolted from the power source and would require the replacement of the motor module.

In order to facilitate the collection of samples from well 7A, PWGC removed the dedicated submersible pump and used a decontaminated portable submersible pump to collect a representative sample from the well. Because the pump required decontamination, a discrete equipment blank was collected using the portable submersible pump.

Wells were purged at flow rates varying from approximately 300-350 mL/minute, while confirming water level drawdown at less than 0.3 ft from initial measurement. Two Horiba U-52 multi parameter water quality meters with flow through cells were utilized to monitor field parameters (turbidity, pH, temperature, dissolved oxygen, and conductivity) at three to five-minute intervals.

Stabilization of indicator field parameters is indicative that conditions are suitable for sampling to begin. Stabilization is achieved when three (3) consecutive measurements are within the following limits:

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- Turbidity (10% for values greater than 5 NTUs; if three turbidity values are less than 5 NTUs, consider the values as stabilized),
- Dissolved oxygen (10% for values greater than 0.5 mg/L, if three dissolved oxygen values are less than 0.5 mg/L, consider the values as stabilized),
- Specific conductance (3%),
- Temperature (3%),
- pH (± 0.1 unit),
- Oxidation/reduction potential (±10 millivolts).

Upon stabilization of field parameters using the above criteria, groundwater samples were collected.

4.4.1. Quality Assurance/Quality Control Procedures

In accordance with the NYSDEC guidance document, QA/QC analysis was performed for this sampling event. The following QA/QC samples were included in the analysis:

- **Duplicate Sample-** A blind duplicate, identified as DUP on the chain of custody and lab results, was collected as a duplicate sample associated with parent well 2B.
- **MS/MSD-** A matrix spike/matrix spike duplicate, identified as 3B MS/MSD, was collected from well 3B.
- **Trip Blank-** A trip blank was present in the sample collection cooler containing bottle ware for volatile organic compounds (VOCs) provided by Alpha Analytical Laboratories, a subsidiary of Pace Analytical, which is recognized as a New York State Environmental Laboratory Approval Program (ELAP) certified analytical laboratory. The trip blank was maintained in its designated cooler from bottle ware drop off at the PWGC office, located in Bohemia, NY, through sample pickup by a Pace Analytical courier at the PWGC office.
- **Equipment Blank-** An equipment blank was collected from the portable submersible pump used to collect a representative sample from well 7A. The sample denoted as "Field Blank" and accompanied by Laboratory ID L2470744-21 is not a field blank but rather should have been labelled as "Equipment Blank". The equipment blank was collected after decontamination of the pump by scrubbing the pump and cycling Alcanox solution through pump and tubing. The pump was then rinsed using distilled water until suds were no longer detected while cycling the pump. PWGC field hydrogeologists prepared the equipment blank in the field by inserting the pump into a carboy containing deionized water provided by Pace Analytical and pumping the water via the submersible pumps into the laboratory glassware.

4.4.2. Groundwater Monitoring Well Analytical Results

Groundwater samples were analyzed for volatile organic compounds (VOCs) (via EPA Method 8260D), semi-volatile organic compounds (SVOCs) (via EPA Method 8270E), and total and dissolved metals (via EPA Method 200.7), total dissolved solids (TDS) (via SM 2540 C), Ammonium (via EPA Method 711), and cations/anions (via various methods) by Pace Analytical. In addition to these analyses, four (4) well locations, two upgradient monitoring wells (8A & 10A) and two downgradient monitoring wells (3A & 6A) were analyzed for perfluorinated alkyl acids (PFAAs) (via EPA Method 1633), 1,4-Dioxane (via EPA 8270E-secondary ion mass spectrometry (SIM)), and radionuclides (via HASL-300 and EPA Methods 903.1/904.0).

Analytical results were compared to the New York State 6NYCRR Part 703.5 Class GA groundwater standards. Analytical summary tables for samples collected during the December 2 and 3, 2024 sampling events can be found in **Attachment C**. A copy of the analytical results from the December 2 and 3, 2024 sampling events can be found in **Attachment D**.

There were two (2) metals (total) that exceeded GA groundwater standards:

- Iron (Total) (New York TOGS 1.1.1 Ambient Water Quality Standard- 300 ug/L)
  - 12/03/2024- 1120 ug/L @ 8B
  - 12/03/2024- 866 ug/L @ 10B

- Manganese (Total) (New York TOGS 1.1.1 Ambient Water Quality Standard- 300 ug/L)
  - 12/03/2024- 3,250 ug/L @ 7A

There were four (4) metals (dissolved) that exceeded GA groundwater standards:

- Copper (dissolved) (New York TOGS 1.1.1 Ambient Water Quality Standard- 200 ug/L)
  - 12/03/2024- 248 ug/L @8B

- Iron (dissolved) (New York TOGS 1.1.1 Ambient Water Quality Standard- 300 ug/L)
  - 12/03/2024- 1080 ug/L @8B

- Manganese (dissolved) (New York TOGS 1.1.1 Ambient Water Quality Standards 300 ug/L)
  - 12/03/2024- 3,330 ug/L @ 7A

- Thallium (dissolved) (New York TOGS 1.1.1 Ambient Water Quality Standards 300 ug/L)
  - 12/02/2024- 3.4 ug/L (J) @ 2A
  - 12/02/2024- 3.4 ug/L (J) @ 2B
  - 12/02/2024- 3.7 ug/L (J) @ 3A
  - 12/02/2024- 2.8 ug/L (J) @ 3B
  - 12/03/2024- 3.3 ug/L (J) @ 4A
  - 12/03/2024- 3.5 ug/L (J) @ 4B
  - 12/03/2024- 3.7 ug/L (J) @ 5A
  - 12/03/2024- 3.0 ug/L (J) @ 5B
  - 12/02/2024- 3.6 ug/L (J) @ 6A
  - 12/02/2024- 3.6 ug/L (J) @ 6B
  - 12/02/2024- 3.6 ug/L (J) @ 7B
  - 12/03/2024- 4.1 ug/L (J) @ 8A
  - 12/03/2024- 3.5 ug/L (J) @8B
  - 12/03/2024- 3.4 ug/L (J) @ 9A
  - 12/03/2024- 2.8 ug/L (J) @ 9B
  - 12/03/2024- 3.0 ug/L (J) @ 10A
  - 12/03/2024- 3.2 ug/L (J) @ 10B
  - 12/02/2024- 3.1 ug/L (J) @ DUP001 (Parent Well ID: 2A)

There were four (4) SVOCs that exceeded GA groundwater standards:

- Phenol (New York TOGS 1.1.1 Ambient Water Quality Standard- 1 ug/L)

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  - 12/03/2024- 8.4 ug/L @ 7A

- Benzo(b)fluoranthene (New York TOGS 1.1.1 Ambient Water Quality Standard- 0.002 ug/L)
  - 12/02/2024- 0.05 ug/L (J) @ 2B

- Benzo(k)fluoranthene (New York TOGS 1.1.1 Ambient Water Quality Standard- 0.002 ug/L)
  - 12/02/2024- 0.04 ug/L (J) @ 2B

- Indeno(1,2,3-cd)pyrene (New York TOGS 1.1.1 Ambient Water Quality Standard- 0.002 ug/L)
  - 12/02/2024- 0.04 ug/L (J) @ 2B
  - 12/02/2024- 0.05 ug/L (J) @ 3A

There was one (1) Perfluorinated alkyl acid (PFAA) that exceeded GA groundwater standards:

- Perfluorooctanesulfonic acid (PFOS)(New York TOGS 1.1.1 Ambient Water Quality Standard- 0.0027 ug/L)
  - 12/02/2024- 0.00591 ug/L @ 3A
  - 12/02/2024- 0.0136 ug/L @ 6A

Total iron concentrations were observed above its respective AWQS standard at monitoring wells 8B and 10B. Although total iron was observed at a concentration that exceeded the AWQS standard at 10B, dissolved iron concentration was detected below the laboratory reporting limit and is accompanied by a J qualifier. The elevated total iron concentration observed at 10B may be attributed to suspended sediment that was filtered out of solution by the 0.45-micron in-line filter.

Dissolved thallium was observed to exceed the AWQS standard (0.5 ug/L) in 19 of the 20 samples collected during this sample event, including the equipment blank collected from the portable submersible pump used to collect a representative sample from well 7A. All of the dissolved thallium concentrations were flagged with a J laboratory qualifier, denoting that the target compound was detected at or above the analyte's minimum detection limit (MDL), but below the reporting limit (RL), and therefore is an estimation, as the qualifier denotes that the concentration is less than the equipment's ability to accurately quantify. Total thallium was not detected in any of the samples analyzed.

Monitoring well 7A was observed to exceed the AWQS standard (200 ug/L) for dissolved copper (248 ug/L). The concentration of total copper at this location was determined to be 177 ug/L, which is below the AWQS standard. The 0.45-micron filter may not effectively remove all colloidal particles, which can pass through and be counted as dissolved metals. These colloids can carry metals, leading to higher measured dissolved concentrations.

The concentrations of dissolved iron observed at monitoring well 8B, and total manganese observed at 7A exceeded their AWQS standards established in TOGS 1.1.1. Iron and Manganese are naturally occurring in soil and groundwater across Long Island and are considered secondary drinking water contaminants and generally not a risk to human health. While the Environmental Protection Agency (EPA) established secondary drinking water standards for these metals to assist public water systems

in managing their drinking water for aesthetic consideration such as taste, color, and odor, the EPA does not enforce these.

SVOC compounds, including benzo(b)fluoranthene, benzo(k)fluoranthene, and indeno(1,2,3-cd)pyrene, were detected in monitoring wells 2B and 3A. These detections were flagged with a J laboratory qualifier, denoting that the target compound was detected at or above the analyte's minimum detection limit (MDL), but below the reporting limit (RL), and therefore is an estimation, as the qualifier denotes that the concentration is less than equipment's ability to accurately quantify. These three (3) compounds are known as polycyclic aromatic hydrocarbons, or PAH compounds, which are known byproducts of fossil fuel combustion. The blind duplicate sample, DUP 001, was collected from monitoring well 2B but did not exhibit any PAH detections.

Phenol was observed at a concentration of 8.4 ug/L at monitoring well 7A, which exceeds the AWQS standard of 1 ug/L. Phenols can be observed in groundwater for several reasons, including: industrial processes that include the production of plastics, resins, or pharmaceuticals; agricultural runoff from phenolic compounds contained in pesticides or herbicides; byproducts from petroleum refinement; natural sources resulting from the decomposition of organic matter in soil or water; or from landfill leachate. There are no on-site activities that suggest that phenols observed in groundwater are caused by industrial processes or mining activities. There are no sources of petroleum bulk storage hydraulically upgradient of well 7A.

Phenols can persist in soil for varying durations depending on environmental conditions. Generally, phenols degrade relatively quickly compared to more persistent organic pollutants. However, under certain conditions, such as low microbial activity or anaerobic environments, phenols can persist longer. Despite their typically shorter persistence, phenols can still impact groundwater if they leach from contaminated soil, especially near surface water bodies.

Per- and polyfluoroalkyl substances (PFAS) compounds were detected in each of the four samples collected from two upgradient wells (8A, 10A) and two downgradient wells (3A, 6A). There was one PFAS compound that was denoted to have exceeded the established groundwater quality standards, specifically perfluorooctanesulfonic acid (PFOS) (New York TOGS 1.1.1 Ambient Water Quality Standard- 0.0027 ug/L). PFOS was noted at concentrations that exceed the AWQS standard at monitoring wells 3A & 6A. PFOS was also detected in both of these wells in Q3 2024. PFOS concentrations at these wells are noted to be less than the concentrations observed in Q3 2024. Between Q3 2024 and Q4 2024, monitoring well 3A saw a 76.6% reduction in PFOS concentration, while monitoring well 6A experienced a 92.6% reduction in PFOS concentration.

Because the blind duplicate sample was not analyzed for PFAS compounds, an additional sample will be collected from monitoring well 3A in Q1 2025 and will be accompanied by a duplicate sample. Observed PFAs concentrations are not likely to be caused by mining operations and will be monitored in the subsequent sample event.

Radionuclides, including isotopic thorium, uranium, and radium, were analyzed from samples collected from two upgradient wells (8A, 10A) and two downgradient wells (3A, 6A). NYSDEC has not established MCLs for the radionuclides analyzed, PWGC has compared the observed concentrations to the concentrations detailed in the "Radionuclides Rule" by USEPA and Part 5: Drinking Water

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Supplies Subpart 5.1 Public Water System of the "Unofficial Compilation of Codes, Rules, and Regulations of the State of New York Department of Health" dated September 8, 2023. The concentrations of thorium isotopes, uranium isotopes, and combined radium isotopes are significantly below the established MCLs.

4.4.3. Data Usability Evaluation

As stated in Section 4.4.1, the overall QA/QC objective for the groundwater sampling event was to develop and implement procedures that provide data of known and documented quality. QA/QC characteristics for data include precision, accuracy, representativeness, completeness, and comparability. The purpose of the QA/QC activities developed for this site was to verify the integrity of the work performed at the site to ensure that the data collected are of the appropriate type and quality needed for the intended use.

The QA/QC program included the preparation and analysis of a trip blank for each cooler containing VOC samples, a blind duplicate, and the collection and evaluation of a matrix spike and matrix spike duplicate. VOA vials containing VOC sample were consolidated into a single cooler to reduce potential for cross contamination during transport. The blind duplicate was collected from well 2B. The matrix spike and matrix spike duplicate samples were collected from well 3B.

While the majority of the results from the blind duplicate sample are consistent with those of the parent well (monitoring well 2A), there were some SVOC detections in the parent well sample that were not present in the blind duplicate. SVOC compounds, including benzo(b)fluoranthene, benzo(k)fluoranthene, and indeno(1,2,3-cd)pyrene, were detected in the representative sample for 2B, but not in the blind duplicate collected from the same location. These samples were collected from the well in quick succession from a dedicated pump. The pump placement and discharge rate were maintained throughout sample collection, therefore sampling methodology is not thought to affect the quality of samples collected. The relative percentage difference (RPD) for the analyses of both samples were within acceptable tolerances, therefore these detections do not appear to be caused by laboratory error, The discrepancy between the results of monitoring well 2B and the blind duplicate can most likely be attributed to analytical variability. Even with careful technique, some inherent variability in the analytical method can lead to different results between the parent and duplicate, especially if the analyte concentration is close to the detection limit. In general. the analysis of the blind duplicate sample shows results that are consistent with those of the parent well, indicating that the sampling and analytical procedures are reliable

A review of the Matrix Spike and Duplicate reports indicates that eleven (11) VOC compounds, one (1) SVOC compound (hexachlorocyclopentadiene), and bromide were accompanied by a Q qualifier, meaning that the quality control sample exceeds the associated acceptance criteria. Note that this qualifier is not applicable for matrix spike recoveries when the sample concentration is greater than 4 times the spike added for a batch duplicate relative percent difference (RPD) when the sample concentrations are less than 5x the reporting limit (RL).

As per the provided case narrative issued in the laboratory report, the following details were provided in reference to the analyses of SVOCs by SIM analysis:

- The Equipment Blank (L2470744-21) has a result for naphthalene present above the reporting limit; however, reextraction achieved similar results. The results of the original analysis are reported.

As per the provided case narrative issued in the laboratory report, the following details were provided in reference to these qualifiers:

- The Equipment Blank (L2470744-21) has results for copper and zinc present above the reporting limits. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.
- The WG2006536-4 MSD recovery, performed on L2470744-04 (well 3B), is outside the acceptance criteria for potassium (126%). A post digestion spike was performed and was within acceptance criteria.
- The WG2006536-7 MS recovery, performed on L2470744-01 (well 2A), is outside the acceptance criteria for potassium (131%). A post digestion spike was performed and yielded an unacceptable recovery for potassium (136%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.
- The Equipment Blank has a concentration above the bicarbonate reporting limit. The result was confirmed.
- The Equipment Blank has a concentration above the phosphate reporting limit. The result was confirmed.
- The WG2005764-3/-4 MS/MSD recoveries, performed on L2470744-04, are outside the acceptance criteria for bromide (83%/86%); however, the associated LCS/LCSD recoveries are within criteria. No further action was taken.
- The WG2005765-3 MS recovery, performed on L2470744-12, is outside the acceptance criteria for bromide (86%); however, the associated LCS recovery is within criteria. No further action was taken.

There were no additional qualifiers associated included in the lab results related to analyte recovery abnormalities and were noted at concentrations within normal parameters for analysis. The only qualifiers noted in the lab report and summary tables are the U (under) and J (estimated concentration) qualifiers. The overall quality of the data was acceptable.

4.4.4 Deviations from the Approved Workplan

Sample Collection/ Laboratory Analysis Deviations

Upon review of the laboratory results received from Alpha Analytical/Pace Analytical, PWGC has noted that some analytes did not meet the specified reporting limits denoted in Appendix 4 of the *Groundwater Study at Long Island Mines Workplan* issued by the NYSDEC in June 2022. These analytes included:

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Table 1-Reporting Limit Comparison Table

Analyte	Laboratory RL (ug/L)	Specified Reporting Limit (ug/L)
VOCs		
Acetone	5	0.5
2-butanone	5	0.5
2-hexanone	5	0.5
Dichlorodifluoromethane	5	0.5
Chloromethane	2.5	0.5
Vinyl chloride	1	0.5
Bromomethane	2.5	0.5
Chloroethane	2.5	0.5
Trichlorofluoromethane	2.5	0.5
Carbon disulfide	5.0	0.5
Methylene chloride	2.5	0.5
Trans-1,2-dichloroethene	2.5	0.5
Methyl tert-butyl ether	2.5	0.5
1,1-dichloroethene	2.5	0.5
Cis-1,2-dichloroethene	2.5	0.5
Bromochloromethane	2.5	0.5
Chloroform	2.5	0.5
1,1,1-trichloroethane	2.5	0.5
1,2-dichloropropane	1	0.5
4-methyl-2-pentanone	5	0.5
Toluene	2.5	0.5
1,1,2-trichloroethane	1.5	0.5
1,2-dibromoethane	2.0	0.5
Chlorobenzene	2.5	0.5
Ethylbenzene	2.5	0.5
Xylenes	2.5	2.0
Styrene	2.5	0.5
Bromoform	2.0	0.5
Isopropylbenzene	2.5	0.5
1,3-dichlorobenzene	2.5	0.5
1,4-dichlorobenzene	2.5	0.5
1,2-dichlorobenzene	2.5	0.5
1,2-dibromo-3-chloropropane	2.5	0.5
1,2,4-trichlorobenzene	2.5	0.5
1,2,3-trichlorobenzene	2.5	0.5

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SVOCs		
2,4-Dinitrophenol	20	5
4,6-Dinitro-2-methylphenol	10	5
4-Nitrophenol	10	5
1,2,4,5-Tetrachlorobenzene	10	5
Metals		
Beryllium	5	0.5
Cation & Anion		
Sulfate	10,000	500

Herbicides		
Methylchlorophenoxypropionic acid (MCPP)	58.5	1
2-methyl-4-chlorophenoxyacetic acid (MCPA)	63.2	1

In order to comply with the specified reporting limits, the following analyses were analyzed via a different method to meet the reporting requirements:

Table 2-Alternative Method Reporting Limit Comparison Table

Analyte	Laboratory RL (ug/L)	Specified Reporting Limit (ug/L)	Alternative Method
1,2-dibromoethane	0.01	0.5	8011
1,2-dibromo-3-chloropropane	0.01	0.5	8011

Although these analyses did not meet the specified reporting limits for these analytes, the majority of these analyses did meet or exceed the AWQS standards specified in TOGS 1.1.1, with the exception of:

Table 3-AWQS vs. Reporting Limit Comparison Table

Analyte	Laboratory RL (ug/L)	AWQS Standard (ug/L)
1,1,2-Trichloroethane	1.5	0.5
2,4-Dinitrophenol	20	10
1,2,4,5-Tetrachlorobenzene	10	5
Beryllium	5	3

Trip blanks were not analyzed during this sample event. VOCs were not observed in the samples collected.

The analysis of 1,4-Dioxane via EPA 8270C-SIM was requested for monitoring well 3A, however sample containers were not received. 1,4-Dioxane will be analyzed at 3A in Q1 2025.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Groundwater monitoring and sampling for this reporting period was performed by PWGC on December 2 & 3, 2024.

Monitoring wells were observed to be secured, maintained, and easily accessible.

Groundwater elevations from December 2024 at the shallow wells ranged between 51.50 feet AMSL (NAVD88) at 8A and 59.24 feet AMSL (NAVD88) at 7A and between 51.49 feet AMSL (NAVD88) at 8B and 49.33 feet AMSL (NAVD88) at 7B in the deep wells. Both shallow and deep groundwater flow were observed to move in a southeasterly direction during this observational period.

The total iron concentration was noted above its respective AWQS standard at monitoring well 10B, but was not observed at concentrations that exceeded their AWQS standard when examining the dissolved iron concentrations.

The concentrations of total and dissolved iron observed at monitoring well 8B, and total and dissolved manganese observed at 7A exceeded their AWQS standards established in TOGS 1.1.1. Iron and manganese are considered secondary drinking water contaminants and generally not a risk to human health.

Benzo(b)fluoranthene, benzo(k)fluoranthene, and indeno(1,2,3-cd) pyrene were detected at monitoring 2B. These results and were flagged with a J laboratory qualifier, denoting that the target compound was detected at or above the analyte's minimum detection limit (MDL), but below the reporting limit (RL), and therefore is an estimation.

No exceedances of VOCs were detected at concentrations exceeding Class GA groundwater standards. Cations/anions and total dissolved solids (TDS) do not have applicable groundwater standards for comparison.

1,4-Dioxane was analyzed at monitoring wells 6A, 8A, and 10A. The analysis of 1,4-Dioxane via EPA 8270C-SIM was requested for monitoring well 3A, however sample containers were not received. 1,4-Dioxane will be analyzed at 3A in Q1 2025.

There was one PFAS compound that was denoted to have exceeded the established groundwater quality standards, specifically perfluorooctanesulfonic acid (PFOS) (New York TOGS 1.1.1 Ambient Water Quality Standard- 0.0027 ug/L). PFOS was noted at concentrations that exceed the AWQS standard at monitoring wells 3A & 6A. PFOS was also detected in both of these wells in Q3 2024. PFOS concentrations at these wells are noted to be less than the concentrations observed in Quarter 3 2024. Between Q3 and Q4 2024, monitoring well 3A saw a 76.6% reduction in PFOS concentration, while monitoring well 6A experienced a 92.6% reduction in PFOS concentration. Because the blind duplicate was not analyzed for PFAS in Quarter 3 2024 or Quarter 4 2024, Roanoke Sand & Gravel proposes to collect a representative PFAs sample at 3A and a blind duplicate in Quarter 1 2025.

Radionuclides, including isotopic thorium, uranium, and radium, were analyzed from samples collected from two upgradient wells (8A, 10A) and two downgradient wells (3A, 6A). NYSDEC has not established MCLs for the radionuclides analyzed, PWGC has compared the observed concentrations

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to the concentrations detailed in the "Radionuclides Rule" by USEPA and Part 5: Drinking Water Supplies Subpart 5.1 Public Water System of the "Unofficial Compilation of Codes, Rules, and Regulations of the State of New York Department of Health" dated September 8, 2023. The concentrations of thorium isotopes, uranium isotopes, and combined radium isotopes are significantly below the established MCLs.

Because the sampling methodology used to analyze radionuclides in Q3 is not sensitive enough to compare to applicable drinking water standards, the radionuclide concentration results are not usable in comparison to the standards established in the SDWA, as the uncertainty and the minimum detectable limit (MDL) are greater than the guideline limits. Roanoke proposes to collect additional radionuclides samples at monitoring wells 4A, 6A, 8A, and 10A in Q1 2025 to provide usable data for 2 quarters as required in the approved workplan.

Roanoke Sand & Gravel proposes to collect additional samples at monitoring wells 6A, 6B, 7A, and 7B to analyze for pesticides in Q1 2025 and Q2 2025. Low level concentrations of pesticides, specifically Dieldrin, have been observed at these well locations, which are functional downgradient monitoring wells. Because there are no upgradient detections of Dieldrin have been noted, it may be presumed that on-site activities may be responsible for these detections.

Historic groundwater monitoring and sampling results indicate that groundwater is not impacted by mining operations. Groundwater monitoring will continue to be implemented to continually assess the quality of the groundwater at the mine and immediately downgradient of the mine during excavation. In addition, it has been shown through the historic sampling of the monitoring well network that the existing operation has not introduced contaminants into the aquifer system.

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FIGURES

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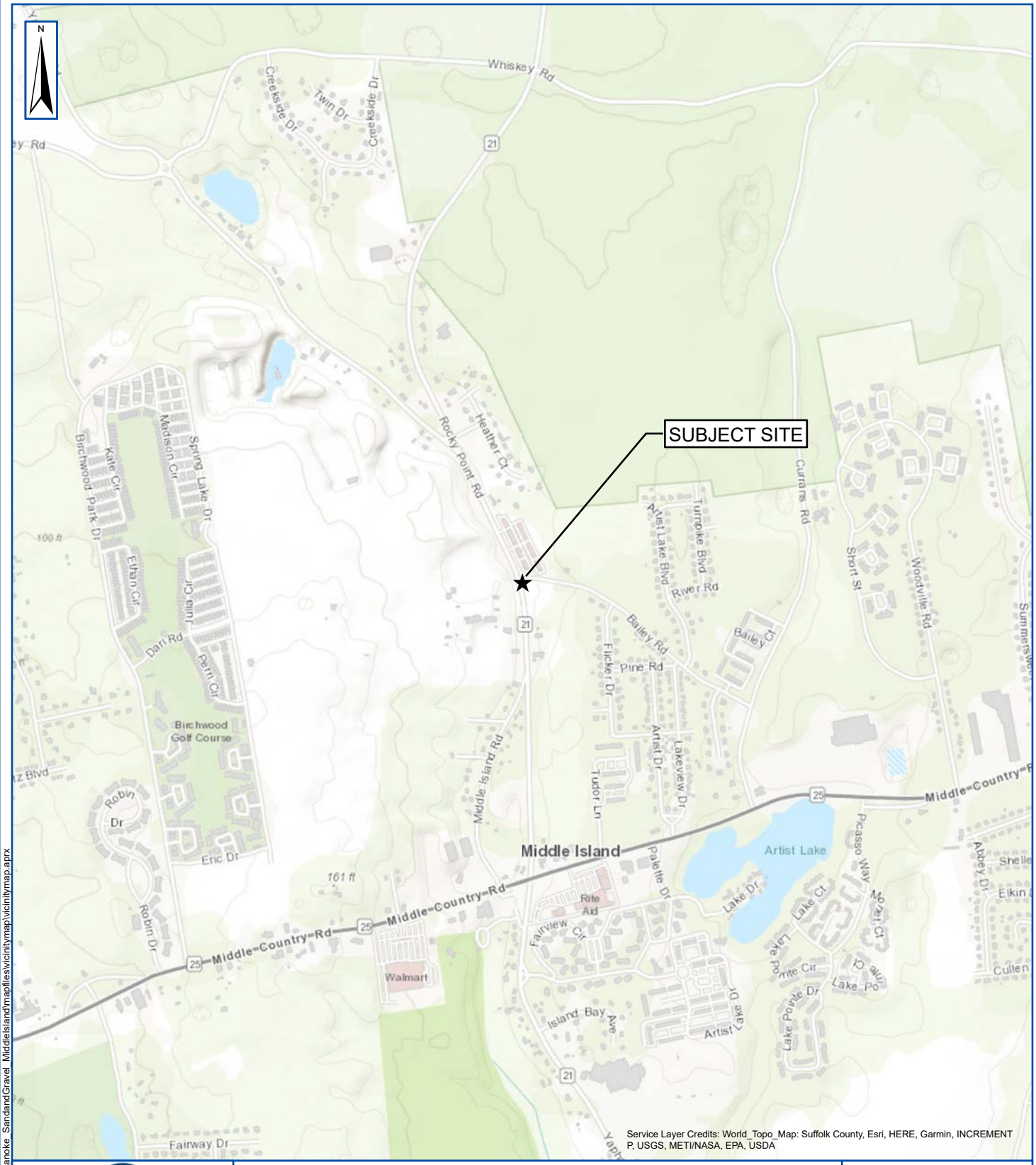

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Bohemia, NY 11716
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SUBJECT SITE VICINITY

104 ROCKY POINT RD
MIDDLE ISLAND, NY

Miles
0 0.13 0.25 0.5 0.75 1

Project:	
Date:	8/4/2020
Designed by:	RN
Drawn by:	HS
Approved by:	RN
Figure No:	1

Document Path: W:\Projects\A-D\BSD\1504-Roanoke_Sand and Gravel_Middle Island\mapfiles\vicinitymap\vicinitymap.aprx

SITE PLAN

SCALE: 1" = 300'

0 300 600

NOTES:

1. BASE MAP PROVIDED BY KENNTH H. BECKMAN, L.S. SURVEYING AND LAND PLANNING
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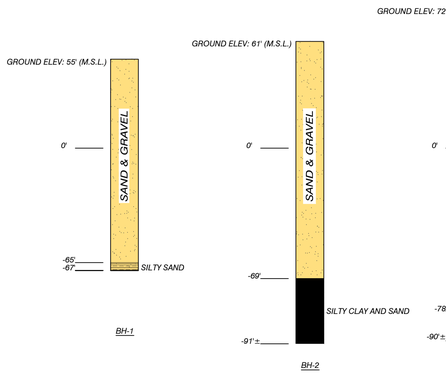
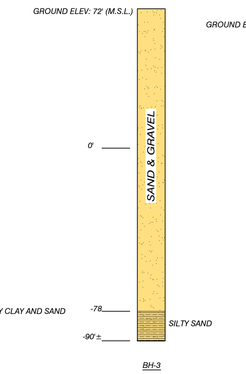
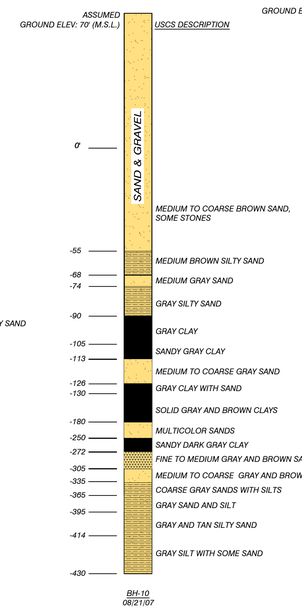
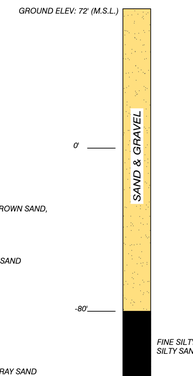
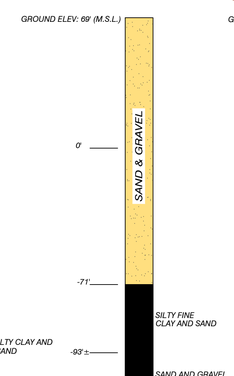
SUITE D
RIDGE, NY 11761
RECEIVED VIA EMAILED JULY 27, 2020

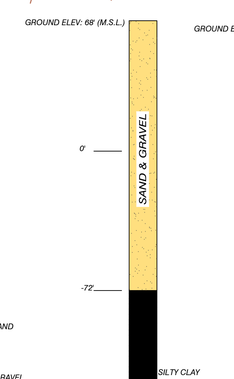


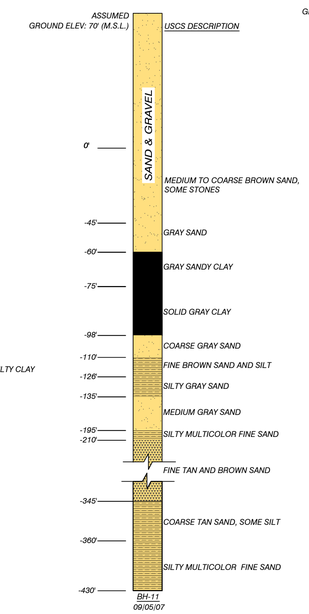


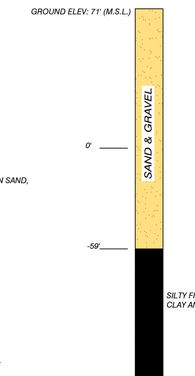


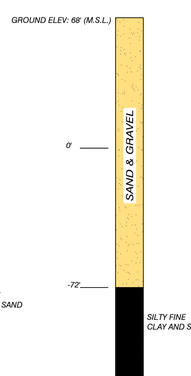


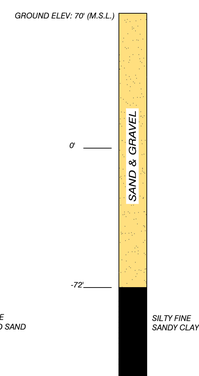












LEGEND

- MEDIUM TO COARSE BROWN SAND W/ SOME GRAVEL
- FINE TO MEDIUM SAND
- SILTY SAND AND SAND WITH SILT
- SILTY CLAY WITH SILT AND SAND
- MULTICOLOR AND GRAY FINE TO MEDIUM QUARTZOSE SAND WITH INTERBEDED CLAY, SILT AND COARSE SAND AND GRAVEL

NOTES:

BORING #1 TO BORING #9: BORING DATA FROM GREAT LAKES DREDGE & DOCK COMPANY DATED OCTOBER 6, 1998

BORING #10 TO BORING #11: BORINGS INSTALLED AND LOGGED BY DELTA WELL AND PUMP CO., INC. DATED AUGUST AND SEPTEMBER 2007

BORING DATA CONVERTED TO UNIFIED SOILS CLASSIFICATION SYSTEM (USCS) FORMAT BY PWGC

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CONSULTANTS

Number	Revision Description	Revision Date
7		
6		
5		
4		
3		
2		
1		

Designed By: RN
Drawn By: RN
Approved By: PKB
Date Submitted: 12/10/2020
Date Created: 6/28/2023
Scale: AS SHOWN

Client:
ROANOKE SAND AND GRAVEL CORP.
104 ROCKY POINT ROAD
MIDDLE ISLAND, NY

Project:
ROANOKE SAND AND GRAVEL

Project Address:
104 ROCKY POINT ROAD
MIDDLE ISLAND, TOWN OF BROOKHAVEN
SUFFOLK COUNTY, NY

County Tax Map Number:
Contract Number:
Regulatory Reference Number:

Title of Drawing:
SITE PLAN

Drawing Number:
FIGURE 2

Sheet of

PWGC Project Number:
BSD1504

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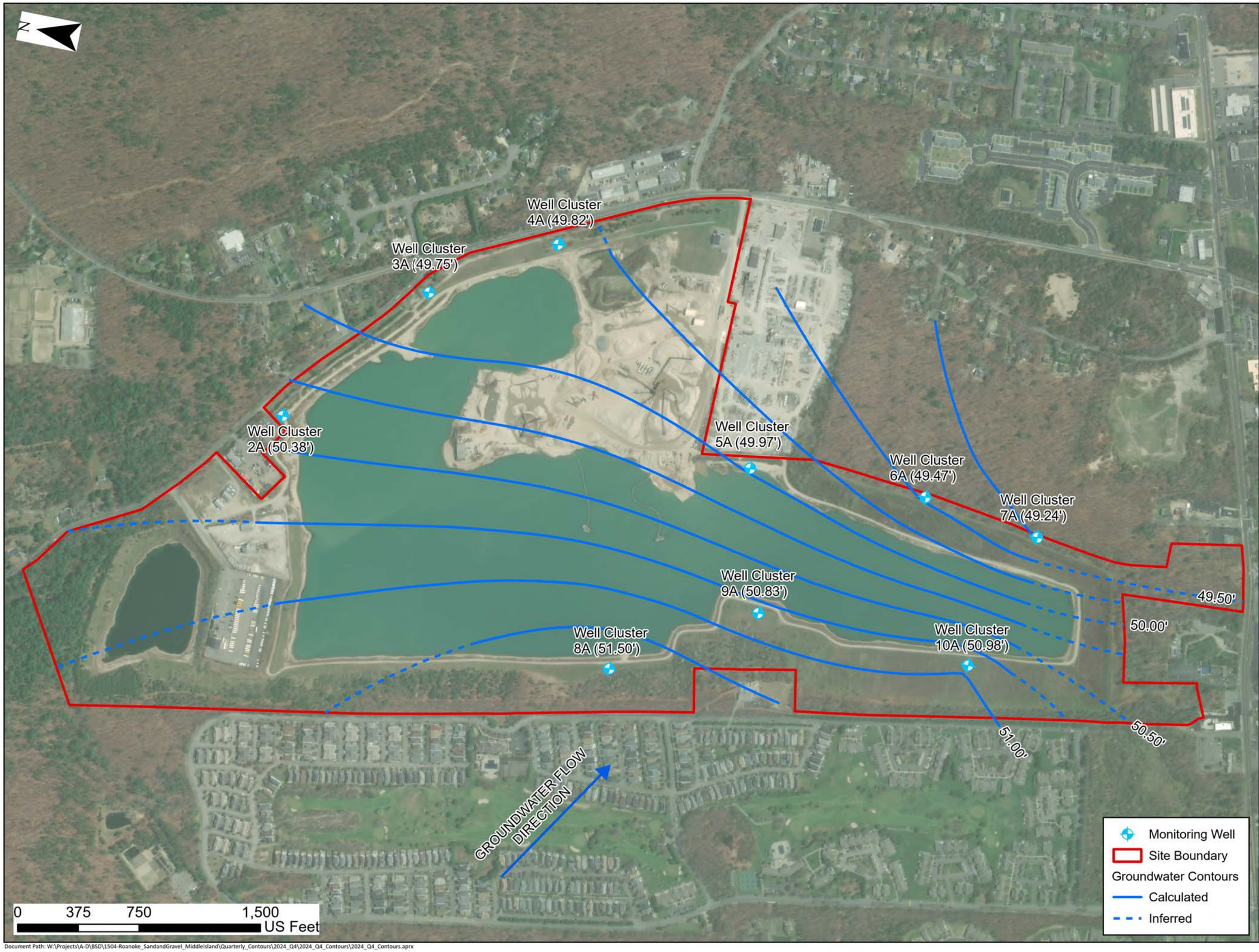
PWGC FILE NAME: J:\Projects A\2400\2500\1504 - Roanoke soil+water survey\Task 5 - Site Specific Sampling Plan\Deliverables\CAD\FIGURE 1 - SITE PLAN-06282023.dwg [FIGURE 2]
PLOT DATE/TIME: Jun 28, 2023-11:16am By: AAsh



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Date:	1/3/2025	Drawn by:	KM
Scale:	AS SHOWN	Approved by:	MM

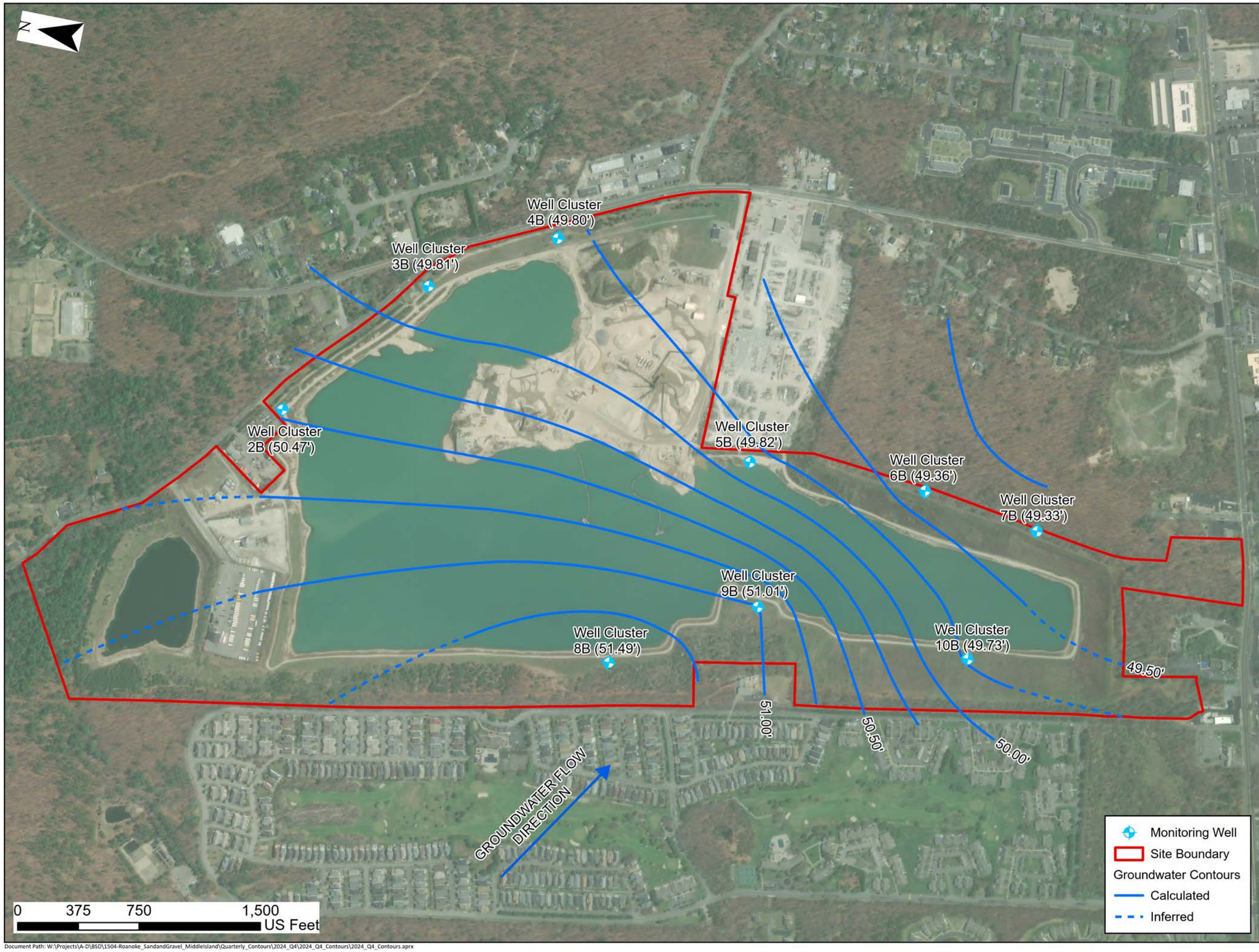
Groundwater Contours Shallow - Quarter 4 2024

104 Rocky Point Road
Middle Island, NY

FIGURE NO:

3

Document Path: W:\Projects\A-D\BSD\1504-Roanoke_SandandGravel_MiddleIsland\Quarterly_Contours\2024_Q4\2024_Q4_Contours\2024_Q4_Contours.aprx



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Date:	1/3/2025	Drawn by:	KM
Scale:	AS SHOWN	Approved by:	MM

Groundwater Contours Deep - Quarter 4 2024

104 Rocky Point Road
Middle Island, NY

FIGURE NO:

4

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ATTACHMENT A

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P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	2A	**Sampled By:**	KM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	68.53	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	18.15	**Groundwater Elevation (ft):**	51.41
Depth to Bottom (ft):	51.34	**Bottom Elevation (ft):**	16.42
Depth to Top Screen BGS (ft):	32.11	**Pump Speed**	28.00%
Depth to Bottom Screen below BGS (ft):	52.11	**Well Diameter (in):**	2
Depth to Pump (ft):	40.00		
Sample Date:	12/2/2024	**Begin Purge Time:**	10:54
Sample Time:	11:15	**Complete Purge Time:**	11:12
Pump Type:	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min):	300	**Purge Time (min):**	21
Total Purge Volume (L):	6.30		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba: 35002
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	10:54	16.01	6.71	331	43	0.198	0.00	
2	NM	10:57	14.88	6.76	70.7	50	0.196	0.00	
3	NM	11:00	15.22	6.82	3.8	73	0.195	0.00	
4	NM	11:03	15.25	6.81	0.0	76	0.195	0.00	
5	NM	11:06	15.26	6.83	0.0	78	0.195	0.00	
6	NM	11:09	15.22	6.85	0.0	83	0.196	0.00	
7	**NM**	**11:12**	**15.22**	**6.84**	**0.0**	**84**	**0.196**	**0.00**	

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	2B	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	68.40	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	17.93	**Groundwater Elevation (ft):**	51.52
Depth to Bottom (ft):	96.29	**Bottom Elevation (ft):**	-30.01
Depth to Top Screen BGS (ft):	78.74	**Pump Speed**	25%
Depth to Bottom Screen below BGS (ft):	98.41	**Well Diameter (in):**	2
Depth to Pump (ft):	86.00		
Sample Date:	12/2/2024	**Begin Purge Time:**	10:53
Sample Time:	11:11	**Complete Purge Time:**	11:11
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	300	**Purge Time (min):**	18
Total Purge Volume (L):	5.40		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba: 046898. Blind Duplicate taken at this well.
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	10:53	12.61	8.16	43.4	2	0.213	0.72	
2	NM	10:56	12.63	8.36	30.7	13	0.210	1.13	
3	NM	10:59	12.72	8.31	1.3	27	0.210	0.89	
4	NM	11:02	12.90	8.28	0.0	38	0.210	0.60	
5	NM	11:05	12.94	8.26	0.0	47	0.210	0.26	
6	NM	11:08	12.98	8.23	0.0	53	0.210	0.11	
7	**NM**	**11:11**	**13.04**	**8.21**	**0.0**	**59**	**0.210**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	3A	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
	15 Middle Hwy, East Hampton	**Project Number:**	BSD1504

Measuring Point (feet above MSL) (NAVD88)	62.34	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	12.59	**Groundwater Elevation (ft):**	50.89
Depth to Bottom (ft):	49.26	**Bottom Elevation (ft):**	12.19
Depth to Top Screen BGS (ft):	30.15	**Pump Speed**	33%
Depth to Bottom Screen below BGS (ft):	50.15	**Well Diameter (in):**	2
Depth to Pump (ft):	38.00		
Sample Date:	12/2/2024	**Begin Purge Time:**	09:22
Sample Time:	10:00	**Complete Purge Time:**	09:58
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate mL/min)	300	**Purge Time (min):**	36
Total Purge Volume (L):	10.08		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba: 35002
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			

VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides, PFAS compounds, 1,4-Dioxane, Radionuclides

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	9:22	13.56	6.24	1000+	77	0.221	0.00	
2	NM	9:25	13.71	6.54	653	66	0.216	0.00	
3	NM	10:56	14.01	6.65	526	60	0.208	0.00	
4	NM	9:28	14.64	6.88	305	49	0.203	0.00	
5	NM	9:31	14.71	6.90	221	48	0.203	0.00	
6	NM	9:34	15.25	6.97	36.1	42	0.200	0.00	
7	NM	9:37	15.42	6.98	22.4	39	0.200	0.00	
8	NM	9:40	15.52	6.99	13.0	37	0.200	0.00	
9	NM	9:43	15.53	6.99	9.0	37	0.200	0.00	
10	NM	9:46	15.70	6.99	0.0	35	0.199	0.00	
11	NM	9:49	15.70	7.01	0.0	33	0.199	0.00	
12	NM	9:52	15.75	7.01	0.0	32	0.199	0.00	
13	NM	9:55	15.75	7.02	0.0	30	0.198	0.00	
14	**NM**	**9:58**	**15.93**	**7.02**	**0.0**	**30**	**0.198**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	3B	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	62.53	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	12.72	**Groundwater Elevation (ft):**	50.94
Depth to Bottom (ft):	96.29	**Bottom Elevation (ft):**	-33.89
Depth to Top Screen BGS (ft):	76.23	**Pump Speed**	24.00%
Depth to Bottom Screen below BGS (ft):	96.23	**Well Diameter (in):**	2
Depth to Pump (ft):	86.00		

Sample Date:	12/2/2024	**Begin Purge Time:**	09:23
Sample Time:	10:05	**Complete Purge Time:**	10:05
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min):	300	**Purge Time (min):**	42
Total Purge Volume (L):	12.60		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba: 044188. MS/MSD Samples taken at this well.
Date Shipped:	12/2/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	9:23	11.33	7.75	592	89	0.251	0.67	
2	NM	9:26	11.90	7.99	131	65	0.249	0.00	
3	NM	9:29	12.01	8.05	73.1	84	0.249	0.00	
4	NM	9:32	11.92	8.13	64.8	58	0.249	0.00	
5	NM	9:35	11.95	8.20	46.3	36	0.247	0.00	
6	NM	9:38	11.88	8.22	42.5	25	0.246	0.00	
7	NM	9:41	11.88	8.23	33.7	20	0.246	0.00	
8	NM	9:44	11.86	8.25	30.0	18	0.246	0.00	
9	NM	9:47	11.82	8.28	20.6	13	0.246	0.00	
10	NM	9:50	11.80	8.27	17.4	13	0.246	0.00	
11	NM	9:53	11.79	8.28	14.0	10	0.246	0.00	
12	NM	9:56	11.79	8.29	5.2	8	0.246	0.00	
13	NM	9:59	11.79	8.29	1.8	8	0.246	0.00	
14	NM	10:02	11.76	8.31	0.0	6	0.246	0.00	
15	**NM**	**10:05**	**11.76**	**8.29**	**0.0**	**7**	**0.246**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	4A	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	61.52	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	11.70	**Groundwater Elevation (ft):**	50.93
Depth to Bottom (ft):	28.72	**Bottom Elevation (ft):**	32.33
Depth to Top Screen BGS (ft):	9.19	**Pump Speed**	22.00
Depth to Bottom Screen below BGS (ft):	29.19	**Well Diameter (in):**	2
Depth to Pump (ft):	17.00		
Sample Date:	12/3/2024	**Begin Purge Time:**	8:00
Sample Time:	8:20	**Complete Purge Time:**	8:18
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	300	**Purge Time (min):**	18
Total Purge Volume (L):	5.40		
Sample Appearance:	Clear	**Odors Observed:**	Slightly Sulfuric
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba: 046898
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	8:00	19.81	7.48	24.9	82	0.196	0.37	
2	NM	8:03	19.89	7.54	20.8	64	0.195	0.08	
3	NM	8:06	20.11	7.65	3.3	46	0.195	0.00	
4	NM	8:09	20.19	7.66	0.0	32	0.195	0.03	
5	NM	8:12	20.22	7.67	0.0	29	0.195	0.18	
6	NM	8:15	20.28	7.65	0.0	27	0.195	0.00	
7	**NM**	**8:18**	**20.26**	**7.69**	**0.0**	**26**	**0.195**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	4B	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	61.45	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	11.65	**Groundwater Elevation (ft):**	50.90
Depth to Bottom (ft):	46.66	**Bottom Elevation (ft):**	14.22
Depth to Top Screen BGS (ft):	27.23	**Pump Speed**	25.00%
Depth to Bottom Screen below BGS (ft):	47.23	**Well Diameter (in):**	2
Depth to Pump (ft):	40.00		
Sample Date:	12/3/2024	**Begin Purge Time:**	8:02
Sample Time:	8:40	**Complete Purge Time:**	8:35
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	300	**Purge Time (min):**	33
Total Purge Volume (L):	9.9		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba:
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	8:02	12.43	5.86	1000+	263	0.196	3.30	
2	NM	8:05	14.76	6.58	631	220	0.191	6.31	
3	NM	8:08	14.77	6.74	434	205	0.190	6.46	
4	NM	8:11	14.80	6.78	241	200	0.190	6.46	
5	NM	8:14	14.80	6.80	193	185	0.189	6.32	
6	NM	8:17	14.79	6.81	88.9	179	0.189	5.99	
7	NM	8:20	14.85	6.87	5.8	160	0.188	5.64	
8	NM	8:23	14.86	6.84	0.0	158	0.188	5.61	
9	NM	8:26	14.81	6.88	0.0	152	0.188	5.53	
10	NM	8:29	14.83	6.90	0.0	148	0.188	5.51	
11	NM	8:32	14.86	6.89	0.0	148	0.188	5.53	
12	**NM**	**8:35**	**14.88**	**6.89**	**0.0**	**147**	**0.188**	**5.54**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	5A	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	59.54	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	9.57	**Groundwater Elevation (ft):**	51.11
Depth to Bottom (ft):	38.31	**Bottom Elevation (ft):**	20.20
Depth to Top Screen BGS (ft):	19.34	**Pump Speed**	25.00%
Depth to Bottom Screen below BGS (ft):	39.34	**Well Diameter (in):**	2
Depth to Pump (ft):	22.00		
Sample Date:	12/3/2024	**Begin Purge Time:**	9:00
Sample Time:	9:20	**Complete Purge Time:**	9:18
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	300	**Purge Time (min):**	18
Total Purge Volume (L):	5.40		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba: 19278
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	9:00	20.30	6.38	100	191	0.195	5.04	
2	NM	9:03	19.19	6.43	20.4	116	0.195	4.05	
3	NM	9:06	18.97	7.07	4.4	89	0.195	2.64	
4	NM	9:09	18.99	7.03	0.0	94	0.195	1.84	
5	NM	9:12	19.03	7.02	0.0	98	0.195	1.07	
6	NM	9:15	19.00	7.03	0.0	100	0.195	1.09	
7	**NM**	**9:18**	**19.01**	**7.00**	**0.0**	**102**	**0.195**	**1.08**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	5B	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	59.36	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	9.54	**Groundwater Elevation (ft):**	51.00
Depth to Bottom (ft):	106.28	**Bottom Elevation (ft):**	-48.59
Depth to Top Screen BGS (ft):	87.95	**Pump Speed**	30%
Depth to Bottom Screen below BGS (ft):	107.95	**Well Diameter (in):**	2
Depth to Pump (ft):	96.00		
Sample Date:	12/3/2024	**Begin Purge Time:**	9:37
Sample Time:	9:55	**Complete Purge Time:**	9:52
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min):	300	**Purge Time (min):**	15
Total Purge Volume (L):	4.50		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba:
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	9:37	13.50	5.64	22.3	212	0.189	0.00	
2	NM	9:40	13.44	5.70	0.0	227	0.190	0.00	
3	NM	9:43	13.36	5.44	0.0	243	0.190	0.00	
4	NM	9:46	13.20	5.39	0.0	258	0.190	0.00	
5	NM	9:49	13.21	5.40	0.0	268	0.190	0.00	
6	**NM**	**9:52**	**13.21**	**5.40**	**0.0**	**272**	**0.190**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	6A	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	122.30	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	72.83	**Groundwater Elevation (ft):**	50.64
Depth to Bottom (ft):	106.00	**Bottom Elevation (ft):**	8.70
Depth to Top Screen BGS (ft):	84.00	**Pump Speed**	70.00%
Depth to Bottom Screen below BGS (ft):	104.00	**Well Diameter (in):**	2
Depth to Pump (ft):	94.00		
Sample Date:	12/3/2024	**Begin Purge Time:**	13:57
Sample Time:	14:20	**Complete Purge Time:**	14:15
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min):	300	**Purge Time (min):**	18
Total Purge Volume (L):	5.40		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba: 35002
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			

VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides, PFAS compounds,1,4-Dioxane, Radionuclides

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	13:57	12.09	6.44	0.0	204	0.172	5.86	
2	NM	14:00	12.45	6.33	0.0	218	0.177	4.72	
3	NM	14:03	12.49	6.34	0.0	221	0.177	4.54	
4	NM	14:06	12.49	6.32	0.0	222	0.177	4.46	
5	NM	14:09	12.50	6.34	0.0	225	0.178	4.20	
5	NM	14:12	12.51	6.34	0.0	230	0.179	3.99	
6	**NM**	**14:15**	**12.50**	**6.34**	**0.0**	**231**	**0.178**	**3.99**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	6B	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	122.25	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	72.89	**Groundwater Elevation (ft):**	50.57
Depth to Bottom (ft):	113.60	**Bottom Elevation (ft):**	8.65
Depth to Top Screen BGS (ft):	93.60	**Pump Speed**	40.00%
Depth to Bottom Screen below BGS (ft):	113.60	**Well Diameter (in):**	2
Depth to Pump (ft):	103.00		
Sample Date:	12/2/2024	**Begin Purge Time:**	13:51
Sample Time:	14:03	**Complete Purge Time:**	14:00
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (L/M):	300	**Purge Time (min):**	9
Total Purge Volume (L):	2.70		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba:
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	13:51	11.59	7.52	0.0	122	0.208	0.01	
2	NM	13:54	11.94	7.50	0.0	137	0.206	0.04	
3	NM	13:57	12.29	7.43	0.0	143	0.205	0.00	
4	**NM**	**14:00**	**12.30**	**7.45**	**0.0**	**148**	**0.205**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	7A	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	138.96	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	89.77	**Groundwater Elevation (ft):**	50.44
Depth to Bottom (ft):	104.29	**Bottom Elevation (ft):**	34.63
Depth to Top Screen BGS (ft):	84.33	**Pump Speed**	25.00%
Depth to Bottom Screen below BGS (ft):	104.33	**Well Diameter (in):**	2
Depth to Pump (ft):	94.00		

Sample Date:	12/3/2024	**Begin Purge Time:**	14:29
Sample Time:	14:45	**Complete Purge Time:**	14:42
Pump Type	Hurricane (Portable)	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	350	**Purge Time (min):**	13
Total Purge Volume (L):	4.55		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba: 046898
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	14:29	12.49	7.10	0.0	234	0.602	0.51	
2	NM	14:32	12.69	7.30	0.0	185	0.600	0.96	
3	NM	14:35	12.71	7.39	0.0	175	0.600	0.98	
4	NM	14:38	12.73	7.41	0.0	178	0.600	0.99	
5	**104.34**	**14:42**	**12.75**	**7.45**	**0.0**	**177**	**0.599**	**0.98**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	7B	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	138.76	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	89.43	**Groundwater Elevation (ft):**	50.36
Depth to Bottom (ft):	159.90	**Bottom Elevation (ft):**	-21.14
Depth to Top Screen BGS (ft):	140	**Pump Speed**	75%
Depth to Bottom Screen below BGS (ft):	159.90	**Well Diameter (in):**	2
Depth to Pump (ft):	150.00		

Sample Date:	12/2/2024	**Begin Purge Time:**	12:30
Sample Time:	12:45	**Complete Purge Time:**	12:42
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min):	320	**Purge Time (min):**	12
Total Purge Volume (L):	3.84		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba: 046898
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	12:30	12.04	7.81	0.00	187	0.270	0.15	
2	NM	12:33	12.01	7.71	0.00	177	0.270	0.00	
3	NM	12:36	11.96	7.75	0.00	170	0.270	0.00	
4	NM	12:39	12.02	7.62	0.00	165	0.272	0.00	
5	**NM**	**12:42**	**12.26**	**7.57**	**0.00**	**174**	**0.271**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	8A	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	60.41	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	8.00	**Groundwater Elevation (ft):**	52.50
Depth to Bottom (ft):	8.91	**Bottom Elevation (ft):**	25.26
Depth to Top Screen BGS (ft):	15.15	**Pump Speed**	23.0%
Depth to Bottom Screen below BGS (ft):	35.15	**Well Diameter (in):**	2
Depth to Pump (ft):	23.00		

Sample Date:	12/3/2024	**Begin Purge Time:**	13:04
Sample Time:	13:25	**Complete Purge Time:**	13:22
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	300	**Purge Time (min):**	18
Total Purge Volume (L):	5.4		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba: 046898
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		

Analyses Requested:

VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides, PFAS compounds,1,4-Dioxane, Radionuclides

Field Stabilization Parameters

Reading	DTW (ft)	Time	Temp.	pH	Turbidity	ORP	Cond.	DO	Note
	below MP	HH:MM	(ºC)		NTU	mV	(mS/cm)	mg/L	
1	NM	13:04	12.43	6.36	50.6	185	0.193	7.85	
2	NM	13:07	12.73	6.61	9.6	194	0.192	5.14	
3	NM	13:10	12.77	6.63	0.5	202	0.192	4.67	
4	NM	13:13	12.71	6.63	0.0	210	0.191	4.83	
5	NM	13:16	12.72	6.60	0.0	218	0.191	4.50	
6	NM	13:19	12.76	6.58	0.0	222	0.190	4.53	
7	**NM**	**13:22**	**12.77**	**6.61**	**0.0**	**226**	**0.188**	**4.34**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	8B	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	60.34	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	8.85	**Groundwater Elevation (ft):**	52.52
Depth to Bottom (ft):	134.20	**Bottom Elevation (ft):**	-75.74
Depth to Top Screen BGS (ft):	116.08	**Pump Speed**	25.0%
Depth to Bottom Screen below BGS (ft):	136.08	**Well Diameter (in):**	2
Depth to Pump (ft):	124.00		
Sample Date:	12/3/2024	**Begin Purge Time:**	10:00
Sample Time:	13:27	**Complete Purge Time:**	13:24
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	300	**Purge Time (min):**	24
Total Purge Volume (L):	7.2		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba: 35002
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	13:00	11.56	6.73	651	-28	0.095	0.00	
2	NM	13:03	11.59	6.59	342	-24	0.095	0.00	
3	NM	13:06	11.63	6.49	149	-17	0.095	0.00	
4	NM	13:09	11.64	6.29	9.1	-8	0.093	0.00	
5	NM	13:12	11.61	6.25	3.0	-8	0.094	0.00	
6	NM	13:15	11.61	6.20	0.0	-4	0.094	0.00	
7	NM	13:18	11.62	6.19	0.0	-2	0.094	0.00	
8	NM	13:21	11.61	6.19	0.0	-1	0.094	0.00	
9	**NM**	**13:24**	**11.61**	**6.20**	**0.0**	**-2**	**0.093**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	9A	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	59.01	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	8.18	**Groundwater Elevation (ft):**	51.86
Depth to Bottom (ft):	34.82	**Bottom Elevation (ft):**	23.65
Depth to Top Screen BGS (ft):	15.36	**Pump Speed**	20.00%
Depth to Bottom Screen below BGS (ft):	35.36	**Well Diameter (in):**	2
Depth to Pump (ft):	23.00		

Sample Date:	12/3/2024	**Begin Purge Time:**	12:14
Sample Time:	12:30	**Complete Purge Time:**	12:29
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min):	300	**Purge Time (min):**	15
Total Purge Volume (L):	4.50		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba:
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	12:14	16.16	6.53	0.0	205	0.184	4.16	
2	NM	12:17	14.16	5.66	0.0	212	0.183	1.75	
3	NM	12:20	14.98	5.17	0.0	218	0.182	1.27	
4	NM	12:23	14.98	5.21	0.0	217	0.184	1.17	
5	NM	12:26	14.95	5.22	0.0	219	0.182	1.19	
6	**NM**	**12:29**	**14.94**	**5.19**	**0.0**	**220**	**0.181**	**1.18**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	9B	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	59.09	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	8.08	**Groundwater Elevation (ft):**	52.06
Depth to Bottom (ft):	125.65	**Bottom Elevation (ft):**	-68.28
Depth to Top Screen BGS (ft):	107.37	**Pump Speed**	25.00%
Depth to Bottom Screen below BGS (ft):	127.37	**Well Diameter (in):**	2
Depth to Pump (ft):	115.00		

Sample Date:	12/3/2024	**Begin Purge Time:**	12:13
Sample Time:	12:35	**Complete Purge Time:**	12:34
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	320	**Purge Time (min):**	21
Total Purge Volume (L):	6.72		
Sample Appearance:	Clear	**Odors Observed:**	Organic
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba: 35002
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	12:13	11.53	6.47	920	25	0.209	5.14	
2	NM	12:16	11.53	7.20	136	-51	0.210	2.50	
3	NM	12:19	11.53	7.59	21.1	-81	0.211	0.80	
4	NM	12:22	11.56	7.78	0.0	-97	0.212	0.00	
5	NM	12:25	11.58	7.87	0.0	-107	0.214	0.00	
6	NM	12:28	11.64	7.88	0.0	-112	0.213	0.00	
7	NM	12:31	11.65	7.91	0.0	-115	0.213	0.00	
8	**NM**	**12:34**	**11.67**	**7.93**	**0.0**	**-118**	**0.213**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	10A	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	59.82	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	8.84	**Groundwater Elevation (ft):**	52.02
Depth to Bottom (ft):	34.01	**Bottom Elevation (ft):**	25.81
Depth to Top Screen BGS (ft):	14.01	**Pump Speed**	20.0%
Depth to Bottom Screen below BGS (ft):	34.01	**Well Diameter (in):**	2
Depth to Pump (ft):	22.00		

Sample Date:	12/3/2024	**Begin Purge Time:**	11:27
Sample Time:	12:40	**Complete Purge Time:**	11:39
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	330	**Purge Time (min):**	12
Total Purge Volume (L):	3.96		
Sample Appearance:	Clear	**Odors Observed:**	Sulfuric
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba: 19515
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides, PFAS compounds,1,4-Dioxane, Radionuclides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	11:27	12.33	7.46	2.2	177	0.213	1.09	
2	NM	11:30	12.60	6.89	0.0	190	0.213	0.60	
3	NM	11:33	12.75	6.55	0.0	205	0.212	0.45	
4	NM	11:36	12.88	6.42	0.0	214	0.212	0.40	
5	**NM**	**11:39**	**12.88**	**6.41**	**0.0**	**220**	**0.212**	**0.40**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	10B	**Sampled By:**	KM/VC
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	RB
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	59.93	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	10.20	**Groundwater Elevation (ft):**	50.42
Depth to Bottom (ft):	151.40	**Bottom Elevation (ft):**	-91.97
Depth to Top Screen BGS (ft):	131.90	**Pump Speed**	75.00%
Depth to Bottom Screen below BGS (ft):	151.90	**Well Diameter (in):**	2
Depth to Pump (ft):	141.00		

Sample Date:	12/3/2024	**Begin Purge Time:**	11:27
Sample Time:	11:45	**Complete Purge Time:**	11:42
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	300	**Purge Time (min):**	15
Total Purge Volume (L):	4.50		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Alpha/Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals samples were collected using a 0.45 micron in-line filter. Horiba: 35002
Date Shipped:	12/3/2024		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals(Total and Dissolved), Cations/Anions, Total Dissolved Solids, PCBs, Pesticides, Herbicides			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	11:27	10.84	5.85	500	236	0.206	5.06	
2	NM	11:30	11.54	5.30	475	141	0.156	2.63	
3	NM	11:33	11.60	5.22	112	140	0.159	1.59	
4	NM	11:36	11.70	5.22	0.2	143	0.169	0.00	
5	NM	11:39	11.73	5.26	0.0	142	0.174	0.00	
6	**NM**	**11:42**	**11.71**	**5.28**	**0.0**	**145**	**0.178**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

ATTACHMENT B

P.W. GROSSER CONSULTING, INC • P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, PC
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BOHEMIA • MANHATTAN • SARATOGA SPRINGS • MONTICELLO • SYRACUSE • SHELTON, CT

12/02/2024 BSD1504 Clear 39-41°
Roanoke Sand + Gravel - 104 Rocky Pt. Rd. Middle Island WIND 5mphS
0800 PWGC (KM + VC) on site for Quarterly GW Monitoring.
0824 U-52 Horibas calibrated with supplied auto-cal solutions (Unit #046898 and Unit # 24287). See calibration logs.
0923 Well cluster 3 gauged + begins purging, PWGC prepares 2-bucket alconox solution to decon depth to water meter between gauging each well.
1005 Both 3A + 3B sampled after purging via low flow until parameters stabilized. All wells will be purged + sampled via low flow method using the dedicated pumps installed in each monitoring well.
1115 Purge until stabilization via low flow method complete for well cluster 2. NOTE - MS/MSD samples taken at MW-3B at 10:05. DUP001 taken at MW-2B. Mobilizing to Cluster 7.
12:50 Electronics failure of some kind occurred at MW-7A right before sampling - purge halted -- troubleshooting. MW-7B sampled after confirming no drawdown measured.
1300 MW-7A troubleshooting continues - issue may be with dedicated Sample Champ XL pump - pump pulled, electronic odor coming from pump, Control box reads "Fault Detected - Unit Shut Down". PWGC will likely use portable submersible pump brought as back-up but will attempt to tomorrow 12/03, awaiting instruction. Mobilize to Cluster 6 after decon'ing equipment.

12/02/24 BSD1504

1420 MW-6 Cluster sampled after measuring no drawdown on both wells once parameters were stabilized / before sampling. PWHC will gauge all wells dtw today (12/02) according to work plan. See DTW measured for all wells:

2A 18.15'
2B 17.93'
3A 12.59'
3B 12.72'
4A 11.70'
4B 11.65'
5A 9.57'
5B 9.54'
6A 72.83'
6B 72.89'
7A 89.67'
7B 89.43'
8A 8.91'
8B 8.85'
9A 8.18'
9B 8.08'
10A 8.84'
10B 10.20'

1515 PWHC off site

KM

12/03/2024 BSD1504 Clear, temp ~40°
Roanoke Sand + Gravel - 104 Rocky Pt. Rd Middle Island WIND 5mphS

0750 PWGC (KM + VC) on site to continue Q4 GW monitoring event. Calibrates U-52 Horibas using supplied auto-cal solutions. Horiba #35002 calibration initially failed due to turbidity + D.O. discrepancy. Readings for other parameters noted still. See cal log.

0840 Wells 4A + 4B sampled after no drawdown obvs. All wells today will be purged via low flow method using dedicated Submersible Sample Champ XL pumps. DTW meter decanned w/ two bucket alconox solution.

0850 KM drops off VC to begin purging cluster 5 while KM goes to MW-7A to continue troubleshooting equipment issues from yesterday. PWGC pulls dedicated pump and tubing and decons ProActiv Mega Monsoon (200') pump and DTW meter. PWGC will prepare a field blank for the samples taken at this well w/ this pump later on.

0920 MW-5A sampled. PWGC having difficulty establishing purge at MW-7A, possibly due to drawdown, but DTW is not dramatically different once pumping.

0935 MW-5B purge about to begin, 7A still not purging

0955 MW-5B sampled, PWGC will return to re-attempt sampling at 7A after completing other wells.

1145 MW-10 cluster sampled, no drawdown obvs. at either well prior to sampling. Equip. deconned.

1238 MW-9 cluster sampled, equip. deconned

1340 MW-8 cluster sampled. NOTE: Wells 8A, 10A, 3A, and 6A were the upgradient (8A + 10A) and downgradient (3A + 6A) wells chosen for additional analysis which includes PFAS, 1,4 Dioxane, and radionuclides. ~~See Notes~~ (KM) Cluster 8 was sampled when no drawdown measured.

1400 PWGC returns to well 7A to re-attempt sampling with the portable submersible pump. DTW - 89.72 DTB - 104.30

1429 7A purge begins at 300 - 310 mL/min

1445 MW-7A sampled after parameters stabilized, Field Blank #2 will represent the field blank used to sample MW-7A. Field Blank #1 taken on 12/2/24 is for analysis of PFAS FB.

1500 ~~1500~~ PWGC demobilized and off site, KM called Tom (KM) to let him know PWGC is off site and leaves well casing keys in front office.

1555 Field Blank #2 to represent MW-7A pump sampled.

1600 Pace to pick up samples tomorrow.

KM

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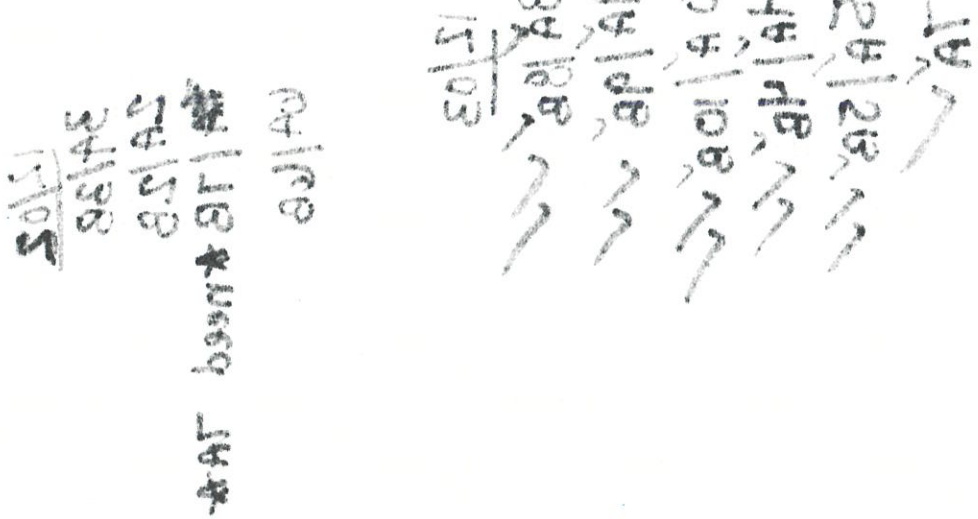
PWGC CLIENT DRIVEN SOLUTIONS

12/2/2024

Equipment Calibration Log

Equipment Model	Serial Number	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L
Horiba U-52	Flow Cell 35002	0824		3.67	2.0		5.01	0.00
~~Horiba U-52~~	Handset 24287							
Horiba U-52	Flow Cell 044188	08:25		3.97	0.0		4.49	0.00
	Hand Set 046898							
Calibration Values				4.00	0.0	221-241	4.49	0.0



7

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12/3/2024

Equipment Calibration Log

Equipment Model	Serial Number	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L
Horiba U-52	35002/24287	0750	-0.31	4.00	~~Failed~~	310	4.83	0.40
Horiba U-52	046898/044188	0755	0.71	3.96	0.0	293	4.82	16.36
Calibration Values				4.00	0.0	221-241	4.49	0.0

Horiba 35002 failed due to TURB + DO discrepancy. Discrepancy noted in field notes, readings noted.

ATTACHMENT C

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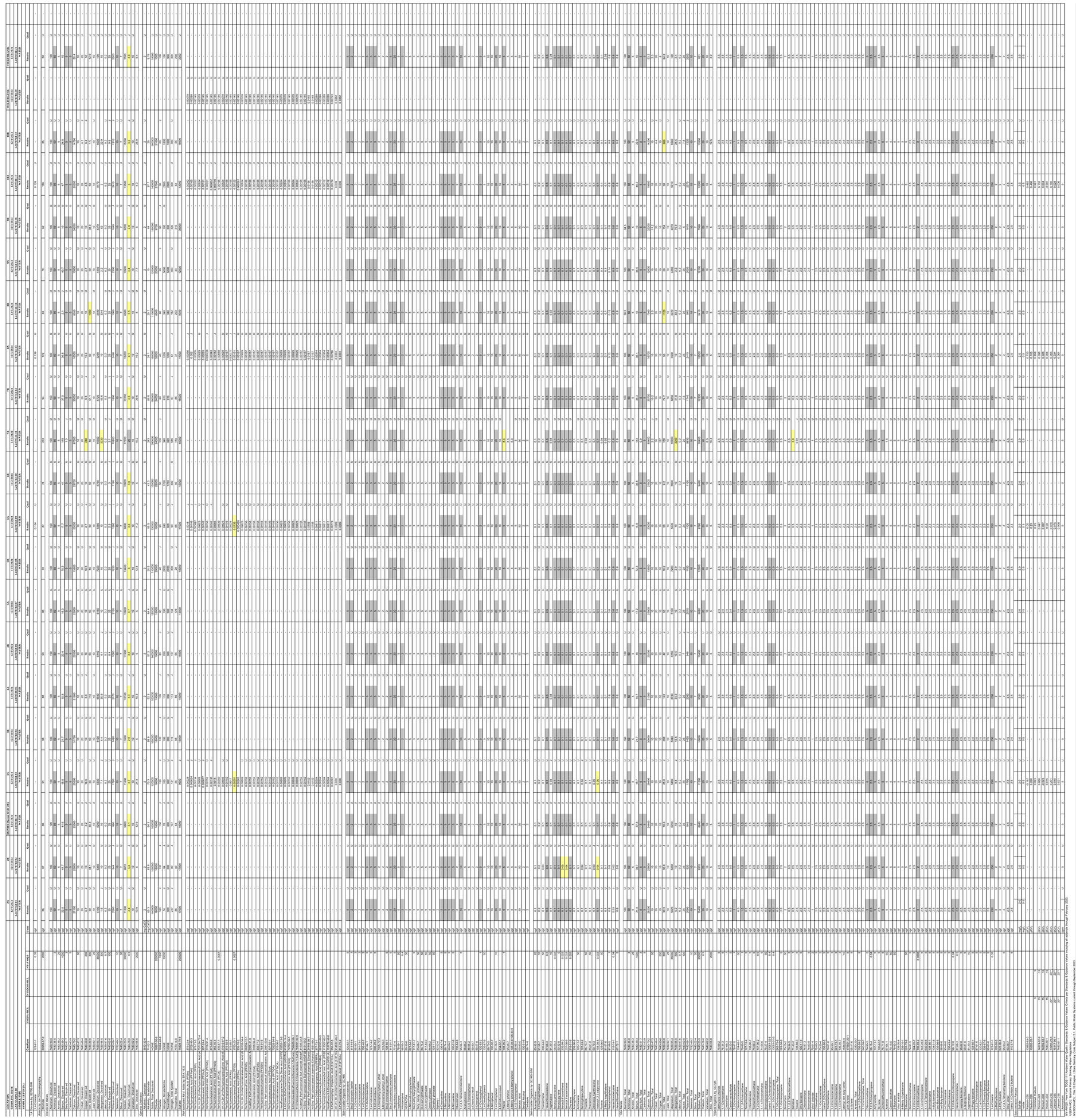

Full Article Title: Participants' Views on Using Digital Technologies to Support Physical Activity Among Young People: Qualitative Study

ATTACHMENT D

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Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2470744

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Project Name: ROANOKE SAND AND GRAVEL
Project Number: BSD1504

Lab Number: L2470744
Report Date: 01/02/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2470744-01	2A	WATER	MIDDLE ISLAND	12/02/24 11:15	12/03/24
L2470744-02	2B	WATER	MIDDLE ISLAND	12/02/24 11:11	12/03/24
L2470744-03	3A	WATER	MIDDLE ISLAND	12/02/24 10:00	12/03/24
L2470744-04	3B	WATER	MIDDLE ISLAND	12/02/24 10:05	12/03/24
L2470744-05	4A	WATER	MIDDLE ISLAND	12/03/24 08:20	12/03/24
L2470744-06	4B	WATER	MIDDLE ISLAND	12/03/24 08:40	12/03/24
L2470744-07	5A	WATER	MIDDLE ISLAND	12/03/24 09:20	12/03/24
L2470744-08	5B	WATER	MIDDLE ISLAND	12/03/24 09:55	12/03/24
L2470744-09	6A	WATER	MIDDLE ISLAND	12/02/24 14:20	12/03/24
L2470744-10	6B	WATER	MIDDLE ISLAND	12/02/24 14:03	12/03/24
L2470744-11	7A	WATER	MIDDLE ISLAND	12/03/24 14:45	12/03/24
L2470744-12	7B	WATER	MIDDLE ISLAND	12/02/24 12:45	12/03/24
L2470744-13	8A	WATER	MIDDLE ISLAND	12/03/24 13:25	12/03/24
L2470744-14	8B	WATER	MIDDLE ISLAND	12/03/24 13:27	12/03/24
L2470744-15	9A	WATER	MIDDLE ISLAND	12/03/24 12:30	12/03/24
L2470744-16	9B	WATER	MIDDLE ISLAND	12/03/24 12:35	12/03/24
L2470744-17	10A	WATER	MIDDLE ISLAND	12/03/24 11:40	12/03/24
L2470744-18	10B	WATER	MIDDLE ISLAND	12/03/24 11:45	12/03/24
L2470744-19	DUP 001	WATER	MIDDLE ISLAND	12/02/24 00:00	12/03/24
L2470744-20	FIELD BLANK	WATER	MIDDLE ISLAND	12/02/24 10:00	12/03/24
L2470744-21	FIELD BLANK	WATER	MIDDLE ISLAND	12/03/24 15:55	12/03/24
L2470744-22	TRIP BLANK	WATER	MIDDLE ISLAND	12/03/24 00:00	12/03/24

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 Submission

January 02, 2025: This final report includes the results of all requested analyses.

December 11, 2024: This is a preliminary report.

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

The following analyses were subcontracted: Ammonium, Iodide, Radium 226, Radium 228, Sulfide, Thorium, and Uranium. Copies of the laboratory reports are included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Sample Receipt

L2470744-01 through -19 and -21: The analyses of TCL Pesticides - EPA 8081B Herbicides -EPA 8151A, and TCL PCBs - EPA 8082A (LVI) were requested on the Chain of Custody; however, sample containers were not received.

L2470744-03: The analysis of 1,4 Dioxane via EPA 8270C-SIM was requested on the Chain of Custody; however, sample containers were not received.

L2470744-09: The sample was received above the appropriate pH for the Dissolved Metals analysis. The laboratory added additional HNO3 to a pH <2.

L2470744-21: Sample containers for 1,4 Dioxane via EPA 8270E-SIM were received, but not listed on the chain of custody. The analysis was not performed.

L2470744-22: A sample identified as "TRIP BLANK" was received, but not listed on the chain of custody. This sample was not analyzed.

Semivolatile Organics by SIM

L2470744-21: The Field Blank has a result for naphthalene present above the reporting limit; however, re-extraction achieved similar results. The results of the original analysis are reported.

Case Narrative (continued)

Total Metals

L2470744-21: The Field Blank has a concentration above the reporting limit for iron . The result was confirmed.

Dissolved Metals

L2470744-21: The Field Blank has results for copper and zinc present above the reporting limits. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

The WG2006536-4 MSD recovery, performed on L2470744-04, is outside the acceptance criteria for potassium (126%). A post digestion spike was performed and was within acceptance criteria.

The WG2006536-7 MS recovery, performed on L2470744-01, is outside the acceptance criteria for potassium (131%). A post digestion spike was performed and yielded an unacceptable recovery for potassium (136%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

Alkalinity, Bicarbonate

L2470744-21: The Field Blank has a concentration above the reporting limit. The result was confirmed.

Phosphate, Total

L2470744-21: The Field Blank has a concentration above the reporting limit. The result was confirmed.

Anions by Ion Chromatography

The WG2005764-3/-4 MS/MSD recoveries, performed on L2470744-04, are outside the acceptance criteria for bromide (83%/86%); however, the associated LCS/LCSD recoveries are within criteria. No further action was taken.

The WG2005765-3 MS recovery, performed on L2470744-12, is outside the acceptance criteria for bromide (86%); however, the associated LCS recovery is within criteria. No further action was taken.

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: 01/02/25

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 : L2470744

Received : 03-DEC-2024
Reviewer : Kevin Law

Account Name : P. W. Grosser
Project Number : BSD1504
Project Name : ROANOKE SAND AND GRAVEL

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	5.2	
B	Absent/	Ice	3.4	
C	Absent/	Ice	3.0	
D	Absent/	Ice	4.4	
E	Absent/	Ice	3.6	
F	Absent/	Ice	3.0	
H	Absent/	Ice	4.0	
I	Absent/	Ice	2.1	
J	Absent/	Ice	3.3	
K	Absent/	Ice	5.0	
L	Absent/	Ice	3.4	

Condition Information

1) All samples on COC received? **YES**

2) Extra samples received? **YES**
Following additional samples were received: -22

3) Are there any sample container discrepancies? **YES**
L2470744-21Y (HOLD-1,4DIOX) was received in extra container.
L2470744-21Z (HOLD-1,4DIOX) was received in extra container.
Following containers were not received for listed analysis: -01 (NYTCL-8082-LVI), -01 (NYTCL-8081), -01 (HERB-8151),-02 (NYTCL-8081), -02 (NYTCL-8082-LVI), -02 (HERB-8151), -03 (NYTCL-8081), -03 (A2-1,4-DIOXANE-SIM), -03 (HERB-8151),-03 (NYTCL-8082-LVI), -04 (NYTCL-8081), -04 (NYTCL-8082-LVI), -04 (HERB-8151), -05(NYTCL-8081), -05 (HERB-8151), -05 (NYTCL-8082-LVI), -06(NYTCL-8082-LVI), -06 (NYTCL-8081), -06 (HERB-8151), -07 (NYTCL-8082-LVI), -07 (NYTCL-8081), -07 (HERB-8151), -08(NYTCL-8081), -08 (NYTCL-8082-LVI), -08 (HERB-8151), -09(NYTCL-8082-LVI), -09 (NYTCL-8081), -09 (HERB-8151), -10 (NYTCL-8082-LVI), -10 (NYTCL-8081), -10 (HERB-8151), -11(NYTCL-8081), -11 (NYTCL-8082-LVI), -11 (HERB-8151), -12(NYTCL-8082-LVI), -12 (NYTCL-8081), -12 (HERB-8151), -13 (NYTCL-8081), -13 (NYTCL-8082-LVI), -13 (HERB-8151), -14(NYTCL-8081), -14 (NYTCL-8082-LVI), -14 (HERB-8151), -15(NYTCL-8082-LVI), -15 (NYTCL-8081), -15 (HERB-8151), -16 (NYTCL-8081), -16 (NYTCL-8082-LVI), -16 (HERB-8151), -17(NYTCL-8081), -17 (NYTCL-8082-LVI), -17 (HERB-8151), -18(NYTCL-8081), -18 (NYTCL-8082-LVI), -18 (HERB-8151), -19

Sample Delivery Group Summary

Alpha Job Number : L2470744
Received : 03-DEC-2024
Reviewer : Kevin Law

Account Name : P. W. Grosser
Project Number : BSD1504
Project Name : ROANOKE SAND AND GRAVEL

(NYTCL-8081), -19 (NYTCL-8082-LVI), -19 (HERB-8151), -21(NYTCL-8081), -21 (NYTCL-8082-LVI), -21 (HERB-8151)

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? **NO**

Container	pH	Preservative Added	Final pH
L2470744-09J	6	HNO3	<2
L2470744-11M	8	NaOH	>9
L2470744-16M	8	NaOH	>9

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
Jan 02 2025, 05:37 pm

Login Number: L2470744
Account: PWGROSSER P. W. GrosserProject: BSD1504
Received: 03DEC24 Due Date: 02JAN25

Sample #	Client ID	Mat	PR	Collected
L2470744-01	2A	S0	1	02DEC24 11:15

770517639847 81.65 Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment 770520719903 44.28 ASP-B
Package Due Date: 01/02/25

ALK-CO3-2320,ALK-HCO3-2320,ASP-B,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-LEVEL5,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-02	2B	S0	1	02DEC24 11:11

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-03	3A	S0	1	02DEC24 10:00

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Jan 02 2025, 05:37 pm

Login Number: L2470744
Account: PWGROSSER P. W. GrosserProject: BSD1504
Received: 03DEC24 Due Date: 02JAN25

Sample #	Client ID	Mat	PR	Collected

A2-NY-1633,ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-ISOTOPIC-URANIUM,SUB-RA226,SUB-RA228,SUB-SULFIDE,SUB-THORIUM,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-04 3B 1 S0 02DEC24 10:05

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment L2470744-04 MS L2470744-04 MSD Package Due Date: 01/02/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,MS/MSD,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-05 4A 1 S0 03DEC24 08:20

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-06 4B 1 S0 03DEC24 08:40

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

Sample #	Client ID	Mat	PR	Collected

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-07 5A 1 S0 03DEC24 09:20

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-08 5B 1 S0 03DEC24 09:55

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Jan 02 2025, 05:37 pm

Login Number: L2470744
Account: PWGROSSER P. W. GrosserProject: BSD1504
Received: 03DEC24 Due Date: 02JAN25

Sample #	Client ID	Mat	PR	Collected
L2470744-09	6A	S0	1	02DEC24 14:20

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment HNO3 added 19:09 12/4/24 KJL Package Due Date: 01/02/25

A2-1,4-DIOXANE-SIM,A2-NY-1633,ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-ISOTOPIC-URANIUM,SUB-RA226,SUB-RA228,SUB-SULFIDE,SUB-THORIUM,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

Sample #	Client ID	Mat	PR	Collected
L2470744-10	6B	S0	1	02DEC24 14:03

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

Sample #	Client ID	Mat	PR	Collected
L2470744-11	7A	S0	1	03DEC24 14:45

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Jan 02 2025, 05:37 pm

Login Number: L2470744
Account: PWGROSSER P. W. GrosserProject: BSD1504
Received: 03DEC24 Due Date: 02JAN25

Sample #	Client ID	Mat	PR	Collected

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-12 7B 1 S0 02DEC24 12:45

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-13 8A 1 S0 03DEC24 13:25

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

A2-1,4-DIOXANE-SIM,A2-NY-1633,ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-ISOTOPIC-URANIUM,SUB-RA226,SUB-RA228,SUB-SULFIDE,SUB-THORIUM,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-14 8B 1 S0 03DEC24 13:27

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

Login Number: L2470744
Account: PWGROSSER P. W. GrosserProject: BSD1504
Received: 03DEC24 Due Date: 02JAN25

Sample #	Client ID	Mat	PR	Collected

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-15 9A 1 S0 03DEC24 12:30

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-16 9B 1 S0 03DEC24 12:35

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-17 10A 1 S0 03DEC24 11:40

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

Sample #	Client ID	Mat	PR	Collected

A2-1,4-DIOXANE-SIM,A2-NY-1633,ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-ISOTOPIC-URANIUM,SUB-RA226,SUB-RA228,SUB-SULFIDE,SUB-THORIUM,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-18 10B 1 S0 03DEC24 11:45

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2470744-19 DUP 001 1 S0 02DEC24 00:00

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Jan 02 2025, 05:37 pm

Login Number: L2470744
Account: PWGROSSER P. W. GrosserProject: BSD1504
Received: 03DEC24 Due Date: 02JAN25

Sample #	Client ID	Mat	PR	Collected
L2470744-20	FIELD BLANK	1	S0	02DEC24 10:00

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

A2-NY-1633

Sample #	Client ID	Mat	PR	Collected
L2470744-21	FIELD BLANK	1	S0	03DEC24 15:55

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,HOLD-1,4DIOX,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

Sample #	Client ID	Mat	PR	Collected
L2470744-22	TRIP BLANK	1	S0	03DEC24 00:00

Must run HASL 300 for Isotopic Uranium and Isotopic Thorium - add sub comment Must run Method 903.1 for Ra226 and Method 904.0 for Ra228 - add sub comment Package Due Date: 01/02/25

ARCHIVE

Logged By: Elizabeth Oko

NEW YORK CHAIN OF CUSTODY

ALPHA CONSULTING

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 3

Date Rec'd in Lab: 12/4/24

ALPHA Job #: L2470744

Client Information
Client: P.W. Grosser
Address: 630 Johnson Ave
Bohemia NY 11716
Phone: 631-589-6353
Fax:
Email: MMerrill@pwgrosser.com

Project Information
Project Name: Roanoke Sand and Gravel
Project Location: Middle Island
Project #: BSD1504
(Use Project name as Project #)
Project Manager: Matt Merrill
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

Deliverables
ASP-A: ☐ ASP-B: X
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:
All wells analyzed for VOCs, SVOCs, TAL Metals (Total/Dissolved), Cations/Anions, TDS, PCBs, Pesticides, Herbicides. In addition Wells 8A, 10A, 3A, 6A analyzed for Isotopic Uranium + Thorium

Please specify Metals or TAL. Radium 226/228, PFAS, + 1,4 Dioxane.

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	VOCs, SVOCs	TAL Metals (Tot/Dis)	Cations/Anions	TDS, PCBs	Pesticides + Herbicides	Isotopic Radium + Thorium Radium 226/228	PFAS	1,4 Dioxane	Sample Specific Comments	Total Bottle
70744-01	2A	12/2/24	1115	GW	KM/VC	X	X	X	X	X					
-02	2B	12/2/24	1111	GW		X	X	X	X	X					
-03	3A	12/2/24	1000	GW		X	X	X	X	X	X	X	X		
-04	3B	12/2/24	1005	GW		X	X	X	X	X					
	3BMS	12/2/24	1005	GW		X	X	X	X	X					
	3BMSD	12/2/24	1005	GW		X	X	X	X	X					
-05	4A	12/3/24	0820	GW		X	X	X	X	X					
-06	4B	12/3/24	0840	GW		X	X	X	X	X					
-07	5A	12/3/24	0920	GW		X	X	X	X	X					
-08	5B	12/2/24	0955	GW		X	X	X	X	X					

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

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
Kylie McClay	12/3/24 17:00		12/3/24 - 17:50
	12/3/24 - 20:43	Anthony Green	DEC 03 2024 21:15
Anthony Green	12/4/24 0040		12/4/24 0040
	12/4/24 0240		12/4/24 0240

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. (See reverse side.)

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

NEW YORK CHAIN OF CUSTODY

ALPHA

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 2 of 3

Date Rec'd in Lab: 12/4/24

ALPHA Job #: L2470744

Client Information
Client:
Address:
Phone:
Fax:
Email:

Project Information
Project Name:
Project Location:
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

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

SDG Page 1 of 2

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:
~~All metals~~

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	VOCs, SVOCs	TAL Metals (Tot/Diss)	Cations/Anions	TDS, PCBs	Pesticides + Herbicides	Isotopic Radium 226/228 Radium	PFAS	1,4 Dioxane	Sample Specific Comments	Total Bottle
10744-09	6A	12/2/24	1420	GW	KM/KC	X	X	X	X	X	XX	X	X		
-10	6B	12/2/24	1403			X	X	X	X	X					
-11	7A	12/3/24	1445			X	X	X	X	X					
-12	7B	12/2/24	12:45			X	X	X	X	X					
-13	8A	12/3/24	13:25			X	X	X	X	X	XX	X	X		
-14	8B		13:27			X	X	X	X	X					
-15	9A		12:30			X	X	X	X	X					
-16	9B		12:35			X	X	X	X	X					
-17	10A		1140			X	X	X	X	X	XX	X	X		
-18	10B	↓	1145	↓	↓	X	X	X	X	X					

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

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Kylie McClay	12/3/24 17:00	PPar	12/3/24 1750
PPar	12/3/24 20:43	Anthony Green	DEC 03 2024 21:15
Anthony Green	12/4/24 0040		12/4/24 0040
	12/4/24 0240		12/4/24 0240

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. (See reverse side.)

Form No: 01-25 HC (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 3 of 3

Date Rec'd in Lab: 12/4/24

ALPHA Job #: L2420744

Client Information
Client:
Address:
Phone:
Fax:
Email:

Project Information
Project Name:
Project Location:
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

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:

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	VOCs/SVOCs	TAL Metals (Total/Dissolved)	Cations/Anions	TDS	PCBs	Pesticides + Herbicides	PFAS	Sample Specific Comments	Total Bottle
70744-19	DUP007	12/2/24	—	GW	—	X	X	X	X	X	X			
-20	Field Blank	12/2/24	1000	—	KM/VC							X		
-21	Field Blank	12/3/24	15:55	—	KM/VC	X	X	X	X	X	X			

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

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Kylie McClay	12/3/24 17:00	PPar	12/3/24 17:50
PPar	12/3/24 20:43	Anthony Green	DEC 03 2024 21:15
Anthony Green	12/4/24 0040		12/4/24 0040
	12/4/24 0240		12/4/24 0240

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. (See reverse side.)

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

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2470744
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
2A (L2470744-01)	98	94	97	101	0
2B (L2470744-02)	98	95	97	101	0
3A (L2470744-03)	95	96	96	99	0
3B (L2470744-04)	95	96	95	98	0
4A (L2470744-05)	99	96	97	100	0
4B (L2470744-06)	101	97	96	101	0
5A (L2470744-07)	105	96	96	101	0
5B (L2470744-08)	106	96	99	100	0
6A (L2470744-09)	106	96	96	103	0
6B (L2470744-10)	102	94	95	102	0
7A (L2470744-11)	102	95	95	102	0
7B (L2470744-12)	104	95	95	101	0
8A (L2470744-13)	104	94	94	103	0
8B (L2470744-14)	106	94	94	104	0
9A (L2470744-15)	104	94	92	102	0
9B (L2470744-16)	107	93	96	102	0
10A (L2470744-17)	103	95	93	103	0
10B (L2470744-18)	106	95	94	102	0
DUP 001 (L2470744-19)	106	95	93	104	0
FIELD BLANK (L2470744-21)	103	95	95	103	0
WG2006732-10LCS	106	96	94	102	0
WG2006732-11LCSD	108	98	94	104	0
WG2006732-12BLANK	102	96	93	101	0
WG2006732-3LCS	97	97	97	99	0
WG2006732-4LCSD	98	98	96	99	0
WG2006732-5BLANK	98	97	98	99	0
3BMS	107	96	93	102	0
3BMSD	106	96	93	103	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

Surrogate Recovery Summary
Form 2
Volatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2470744
Project Number: BSD1504
Matrix:

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
WG2006760-3LCS	106	96	94	102	0
WG2006760-4LCSD	108	98	94	104	0
WG2006760-5BLANK	102	96	93	101	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

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2006732-3 **Analysis Date** : 12/06/24 08:22	**File ID**	: VG241206A02
LCSD Sample ID	: WG2006732-4 **Analysis Date** : 12/06/24 08:46	**File ID**	: VG241206A03

	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
Methylene chloride	10	8.9	89		10	8.7	87		2	70-130	20
1,1-Dichloroethane	10	9.9	99		10	9.8	98		1	70-130	20
Chloroform	10	9.0	90		10	8.9	89		1	70-130	20
Carbon tetrachloride	10	9.2	92		10	8.6	86		7	63-132	20
1,2-Dichloropropane	10	10	100		10	10	100		0	70-130	20
Dibromochloromethane	10	8.9	89		10	8.9	89		0	63-130	20
1,1,2-Trichloroethane	10	8.2	82		10	8.3	83		1	70-130	20
Tetrachloroethene	10	9.6	96		10	9.4	94		2	70-130	20
Chlorobenzene	10	9.8	98		10	9.5	95		3	75-130	20
Trichlorofluoromethane	10	7.2	72		10	7.6	76		5	62-150	20
1,2-Dichloroethane	10	9.0	90		10	8.9	89		1	70-130	20
1,1,1-Trichloroethane	10	9.0	90		10	8.7	87		3	67-130	20
Bromodichloromethane	10	8.8	88		10	8.7	87		1	67-130	20
trans-1,3-Dichloropropene	10	8.7	87		10	8.6	86		1	70-130	20
cis-1,3-Dichloropropene	10	9.5	95		10	9.4	94		1	70-130	20
1,1-Dichloropropene	10	9.2	92		10	9.0	90		2	70-130	20
Bromoform	10	8.8	88		10	8.7	87		1	54-136	20
1,1,2,2-Tetrachloroethane	10	8.6	86		10	8.4	84		2	67-130	20
Benzene	10	9.6	96		10	9.4	94		2	70-130	20
Toluene	10	9.3	93		10	9.2	92		1	70-130	20
Ethylbenzene	10	9.0	90		10	8.8	88		2	70-130	20
Chloromethane	10	9.1	91		10	8.8	88		3	64-130	20
Bromomethane	10	3.7	37	Q	10	3.5	35	Q	6	39-139	20
Vinyl chloride	10	8.2	82		10	7.9	79		4	55-140	20
Chloroethane	10	7.0	70		10	5.7	57		20	55-138	20
1,1-Dichloroethene	10	8.9	89		10	8.6	86		3	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2006732-3 **Analysis Date** : 12/06/24 08:22	**File ID**	: VG241206A02
LCSD Sample ID	: WG2006732-4 **Analysis Date** : 12/06/24 08:46	**File ID**	: VG241206A03

	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
trans-1,2-Dichloroethene	10	9.4	94	10	9.2	92	2	70-130	20
Trichloroethene	10	9.0	90	10	8.9	89	1	70-130	20
1,2-Dichlorobenzene	10	9.7	97	10	9.5	95	2	70-130	20
1,3-Dichlorobenzene	10	9.8	98	10	9.5	95	3	70-130	20
1,4-Dichlorobenzene	10	9.7	97	10	9.4	94	3	70-130	20
Methyl tert butyl ether	10	7.6	76	10	7.7	77	1	63-130	20
p/m-Xylene	20	18	90	20	18	90	0	70-130	20
o-Xylene	20	18	90	20	18	90	0	70-130	20
cis-1,2-Dichloroethene	10	9.5	95	10	9.2	92	3	70-130	20
Dibromomethane	10	8.9	89	10	8.9	89	0	70-130	20
1,2,3-Trichloropropane	10	8.2	82	10	8.2	82	0	64-130	20
Acrylonitrile	10	8.8	88	10	8.9	89	1	70-130	20
Styrene	20	18	90	20	18	90	0	70-130	20
Dichlorodifluoromethane	10	7.6	76	10	7.2	72	5	36-147	20
Acetone	10	8.1	81	10	8.5	85	5	58-148	20
Carbon disulfide	10	9.0	90	10	8.9	89	1	51-130	20
2-Butanone	10	11	110	10	10	100	10	63-138	20
Vinyl acetate	10	9.0	90	10	9.0	90	0	70-130	20
4-Methyl-2-pentanone	10	8.4	84	10	8.8	88	5	59-130	20
2-Hexanone	10	8.3	83	10	8.5	85	2	57-130	20
Bromochloromethane	10	9.6	96	10	9.4	94	2	70-130	20
2,2-Dichloropropane	10	11	110	10	10	100	10	63-133	20
1,2-Dibromoethane	10	8.4	84	10	8.5	85	1	70-130	20
1,3-Dichloropropane	10	8.8	88	10	8.8	88	0	70-130	20
1,1,1,2-Tetrachloroethane	10	8.8	88	10	8.8	88	0	64-130	20
Bromobenzene	10	10	100	10	10	100	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2006732-3 **Analysis Date** : 12/06/24 08:22	**File ID**	: VG241206A02
LCSD Sample ID	: WG2006732-4 **Analysis Date** : 12/06/24 08:46	**File ID**	: VG241206A03

	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
n-Butylbenzene	10	8.5	85		10	8.4	84	1	53-136	20
sec-Butylbenzene	10	8.8	88		10	8.6	86	2	70-130	20
tert-Butylbenzene	10	9.6	96		10	9.3	93	3	70-130	20
o-Chlorotoluene	10	9.5	95		10	9.2	92	3	70-130	20
p-Chlorotoluene	10	9.3	93		10	9.1	91	2	70-130	20
1,2-Dibromo-3-chloropropane	10	8.3	83		10	8.6	86	4	41-144	20
Hexachlorobutadiene	10	11	110		10	10	100	10	63-130	20
Isopropylbenzene	10	9.1	91		10	8.8	88	3	70-130	20
p-Isopropyltoluene	10	9.4	94		10	9.2	92	2	70-130	20
Naphthalene	10	8.5	85		10	8.5	85	0	70-130	20
n-Propylbenzene	10	9.1	91		10	8.9	89	2	69-130	20
1,2,3-Trichlorobenzene	10	9.4	94		10	9.4	94	0	70-130	20
1,2,4-Trichlorobenzene	10	10	100		10	10	100	0	70-130	20
1,3,5-Trimethylbenzene	10	9.1	91		10	8.8	88	3	64-130	20
1,2,4-Trimethylbenzene	10	9.0	90		10	8.8	88	2	70-130	20
1,4-Dioxane	500	380	76		500	390	78	3	56-162	20
p-Diethylbenzene	10	9.4	94		10	9.1	91	3	70-130	20
p-Ethyltoluene	10	9.2	92		10	9.1	91	1	70-130	20
1,2,4,5-Tetramethylbenzene	10	9.8	98		10	9.3	93	5	70-130	20
Ethyl ether	10	8.3	83		10	8.0	80	4	59-134	20
trans-1,4-Dichloro-2-butene	10	6.8	68	Q	10	7.0	70	3	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2006760-3 **Analysis Date** : 12/07/24 12:43	**File ID**	: VG241207A02
LCSD Sample ID	: WG2006760-4 **Analysis Date** : 12/07/24 13:07	**File ID**	: VG241207A03

	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
Methylene chloride	10	8.8	88		10	8.8	88		0	70-130	20
1,1-Dichloroethane	10	10	100		10	10	100		0	70-130	20
Chloroform	10	9.2	92		10	9.2	92		0	70-130	20
Carbon tetrachloride	10	10	100		10	9.8	98		2	63-132	20
1,2-Dichloropropane	10	9.8	98		10	9.8	98		0	70-130	20
Dibromochloromethane	10	8.9	89		10	8.9	89		0	63-130	20
1,1,2-Trichloroethane	10	8.1	81		10	8.1	81		0	70-130	20
Tetrachloroethene	10	9.9	99		10	9.8	98		1	70-130	20
Chlorobenzene	10	9.6	96		10	9.6	96		0	75-130	20
Trichlorofluoromethane	10	9.0	90		10	9.2	92		2	62-150	20
1,2-Dichloroethane	10	9.5	95		10	9.5	95		0	70-130	20
1,1,1-Trichloroethane	10	9.5	95		10	9.6	96		1	67-130	20
Bromodichloromethane	10	8.9	89		10	8.9	89		0	67-130	20
trans-1,3-Dichloropropene	10	8.4	84		10	8.6	86		2	70-130	20
cis-1,3-Dichloropropene	10	9.3	93		10	9.2	92		1	70-130	20
1,1-Dichloropropene	10	9.5	95		10	9.5	95		0	70-130	20
Bromoform	10	8.6	86		10	8.5	85		1	54-136	20
1,1,2,2-Tetrachloroethane	10	8.2	82		10	8.2	82		0	67-130	20
Benzene	10	9.4	94		10	9.5	95		1	70-130	20
Toluene	10	9.2	92		10	9.2	92		0	70-130	20
Ethylbenzene	10	9.0	90		10	9.1	91		1	70-130	20
Chloromethane	10	9.1	91		10	9.0	90		1	64-130	20
Bromomethane	10	3.1	31	Q	10	3.0	30	Q	3	39-139	20
Vinyl chloride	10	7.8	78		10	7.7	77		1	55-140	20
Chloroethane	10	6.3	63		10	6.2	62		2	55-138	20
1,1-Dichloroethene	10	9.1	91		10	9.2	92		1	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2006760-3 **Analysis Date** : 12/07/24 12:43	**File ID**	: VG241207A02
LCSD Sample ID	: WG2006760-4 **Analysis Date** : 12/07/24 13:07	**File ID**	: VG241207A03

	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
trans-1,2-Dichloroethene	10	9.4	94	10	9.4	94	0	70-130	20
Trichloroethene	10	9.3	93	10	9.2	92	1	70-130	20
1,2-Dichlorobenzene	10	9.3	93	10	9.2	92	1	70-130	20
1,3-Dichlorobenzene	10	9.6	96	10	9.4	94	2	70-130	20
1,4-Dichlorobenzene	10	9.3	93	10	9.3	93	0	70-130	20
Methyl tert butyl ether	10	7.7	77	10	7.8	78	1	63-130	20
p/m-Xylene	20	18	90	20	18	90	0	70-130	20
o-Xylene	20	18	90	20	18	90	0	70-130	20
cis-1,2-Dichloroethene	10	8.9	89	10	9.2	92	3	70-130	20
Dibromomethane	10	8.9	89	10	9.0	90	1	70-130	20
1,2,3-Trichloropropane	10	8.3	83	10	8.0	80	4	64-130	20
Acrylonitrile	10	8.8	88	10	9.2	92	4	70-130	20
Styrene	20	18	90	20	18	90	0	70-130	20
Dichlorodifluoromethane	10	8.5	85	10	8.5	85	0	36-147	20
Acetone	10	8.9	89	10	9.4	94	5	58-148	20
Carbon disulfide	10	9.1	91	10	8.8	88	3	51-130	20
2-Butanone	10	9.9	99	10	13	130	27 Q	63-138	20
Vinyl acetate	10	9.0	90	10	9.1	91	1	70-130	20
4-Methyl-2-pentanone	10	8.2	82	10	8.7	87	6	59-130	20
2-Hexanone	10	8.8	88	10	8.8	88	0	57-130	20
Bromochloromethane	10	9.4	94	10	9.4	94	0	70-130	20
2,2-Dichloropropane	10	11	110	10	11	110	0	63-133	20
1,2-Dibromoethane	10	8.4	84	10	8.4	84	0	70-130	20
1,3-Dichloropropane	10	8.5	85	10	8.8	88	3	70-130	20
1,1,1,2-Tetrachloroethane	10	8.9	89	10	8.8	88	1	64-130	20
Bromobenzene	10	10	100	10	9.6	96	4	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2006760-3 **Analysis Date** : 12/07/24 12:43	**File ID**	: VG241207A02
LCSD Sample ID	: WG2006760-4 **Analysis Date** : 12/07/24 13:07	**File ID**	: VG241207A03

	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
n-Butylbenzene	10	8.8	88	10	8.8	88	0	53-136	20
sec-Butylbenzene	10	8.9	89	10	8.7	87	2	70-130	20
tert-Butylbenzene	10	9.5	95	10	9.4	94	1	70-130	20
o-Chlorotoluene	10	9.3	93	10	9.0	90	3	70-130	20
p-Chlorotoluene	10	9.1	91	10	9.0	90	1	70-130	20
1,2-Dibromo-3-chloropropane	10	8.4	84	10	8.5	85	1	41-144	20
Hexachlorobutadiene	10	11	110	10	11	110	0	63-130	20
Isopropylbenzene	10	8.9	89	10	8.7	87	2	70-130	20
p-Isopropyltoluene	10	9.4	94	10	9.3	93	1	70-130	20
Naphthalene	10	8.4	84	10	8.6	86	2	70-130	20
n-Propylbenzene	10	9.0	90	10	8.8	88	2	69-130	20
1,2,3-Trichlorobenzene	10	9.5	95	10	9.3	93	2	70-130	20
1,2,4-Trichlorobenzene	10	10	100	10	9.7	97	3	70-130	20
1,3,5-Trimethylbenzene	10	9.0	90	10	8.8	88	2	64-130	20
1,2,4-Trimethylbenzene	10	8.9	89	10	8.8	88	1	70-130	20
1,4-Dioxane	500	400	80	500	420	84	5	56-162	20
p-Diethylbenzene	10	9.3	93	10	9.0	90	3	70-130	20
p-Ethyltoluene	10	9.0	90	10	8.9	89	1	70-130	20
1,2,4,5-Tetramethylbenzene	10	9.3	93	10	9.1	91	2	70-130	20
Ethyl ether	10	7.2	72	10	8.1	81	12	59-134	20
trans-1,4-Dichloro-2-butene	10	7.2	72	10	7.2	72	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2006732-10 **Analysis Date** : 12/07/24 12:43	**File ID**	: VG241207A02
LCSD Sample ID	: WG2006732-11 **Analysis Date** : 12/07/24 13:07	**File ID**	: VG241207A03

	Laboratory Control Sample			Laboratory Control Duplicate					
	True	Found	%R	True	Found	%R	RPD	Recovery	RPD
Parameter	(ug/l)	(ug/l)		(ug/l)	(ug/l)			Limits	Limit

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: 3B	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2470744-04	**Analysis Date**	: 12/06/24 11:09
Matrix Spike	: WG2006732-6	**MS Analysis Date**	: 12/07/24 22:18
Matrix Spike Dup	: WG2006732-7	**MSD Analysis Date**	: 12/07/24 22:42

		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
Methylene chloride	ND	10	9.7	97	10	9.4	94	3	70-130	20
1,1-Dichloroethane	ND	10	11	110	10	10	100	10	70-130	20
Chloroform	ND	10	10	100	10	9.7	97	3	70-130	20
Carbon tetrachloride	ND	10	9.1	91	10	8.5	85	7	63-132	20
1,2-Dichloropropane	ND	10	11	110	10	10	100	10	70-130	20
Dibromochloromethane	ND	10	9.6	96	10	9.3	93	3	63-130	20
1,1,2-Trichloroethane	ND	10	8.7	87	10	8.5	85	2	70-130	20
Tetrachloroethene	ND	10	8.2	82	10	7.4	74	10	70-130	20
Chlorobenzene	ND	10	9.2	92	10	8.8	88	4	75-130	20
Trichlorofluoromethane	ND	10	8.5	85	10	7.9	79	7	62-150	20
1,2-Dichloroethane	ND	10	11	110	10	10	100	10	70-130	20
1,1,1-Trichloroethane	ND	10	9.4	94	10	9.0	90	4	67-130	20
Bromodichloromethane	ND	10	9.6	96	10	9.3	93	3	67-130	20
trans-1,3-Dichloropropene	ND	10	7.8	78	10	7.4	74	5	70-130	20
cis-1,3-Dichloropropene	ND	10	8.2	82	10	7.9	79	4	70-130	20
1,1-Dichloropropene	ND	10	8.4	84	10	7.8	78	7	70-130	20
Bromoform	ND	10	9.0	90	10	8.5	85	6	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	8.6	86	10	8.2	82	5	67-130	20
Benzene	ND	10	9.8	98	10	9.5	95	3	70-130	20
Toluene	ND	10	8.8	88	10	8.5	85	3	70-130	20
Ethylbenzene	ND	10	8.0	80	10	7.4	74	8	70-130	20
Chloromethane	ND	10	10	100	10	9.9	99	1	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: 3B	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2470744-04	**Analysis Date**	: 12/06/24 11:09
Matrix Spike	: WG2006732-6	**MS Analysis Date**	: 12/07/24 22:18
Matrix Spike Dup	: WG2006732-7	**MSD Analysis Date**	: 12/07/24 22:42

		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
Bromomethane	ND	10	2.7	27	Q	10	2.7	27	Q	0	39-139	20
Vinyl chloride	ND	10	8.2	82		10	7.7	77		6	55-140	20
Chloroethane	ND	10	5.7	57		10	5.6	56		2	55-138	20
1,1-Dichloroethene	ND	10	8.9	89		10	8.6	86		3	61-145	20
trans-1,2-Dichloroethene	ND	10	9.4	94		10	9.0	90		4	70-130	20
Trichloroethene	ND	10	8.7	87		10	8.2	82		6	70-130	20
1,2-Dichlorobenzene	ND	10	8.9	89		10	8.3	83		7	70-130	20
1,3-Dichlorobenzene	ND	10	8.6	86		10	7.9	79		8	70-130	20
1,4-Dichlorobenzene	ND	10	8.4	84		10	7.9	79		6	70-130	20
Methyl tert butyl ether	ND	10	8.2	82		10	8.2	82		0	63-130	20
p/m-Xylene	ND	20	16	80		20	15	75		6	70-130	20
o-Xylene	ND	20	17	85		20	16	80		6	70-130	20
cis-1,2-Dichloroethene	ND	10	9.7	97		10	9.6	96		1	70-130	20
Dibromomethane	ND	10	9.8	98		10	9.6	96		2	70-130	20
1,2,3-Trichloropropane	ND	10	8.3	83		10	8.0	80		4	64-130	20
Acrylonitrile	ND	10	10	100		10	9.6	96		4	70-130	20
Styrene	ND	20	17	85		20	16	80		6	70-130	20
Dichlorodifluoromethane	ND	10	7.5	75		10	7.3	73		3	36-147	20
Acetone	ND	10	12	120		10	12	120		0	58-148	20
Carbon disulfide	ND	10	8.6	86		10	8.1	81		6	51-130	20
2-Butanone	ND	10	12	120		10	12	120		0	63-138	20
Vinyl acetate	ND	10	4.8J	48	Q	10	4.1J	41	Q	16	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: 3B	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2470744-04	**Analysis Date**	: 12/06/24 11:09
Matrix Spike	: WG2006732-6	**MS Analysis Date**	: 12/07/24 22:18
Matrix Spike Dup	: WG2006732-7	**MSD Analysis Date**	: 12/07/24 22:42

		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
4-Methyl-2-pentanone	ND	10	8.9	89		10	8.7	87		2	59-130	20
2-Hexanone	ND	10	8.8	88		10	8.6	86		2	57-130	20
Bromochloromethane	ND	10	10	100		10	10	100		0	70-130	20
2,2-Dichloropropane	ND	10	5.0	50	Q	10	4.8	48	Q	4	63-133	20
1,2-Dibromoethane	ND	10	8.9	89		10	8.8	88		1	70-130	20
1,3-Dichloropropane	ND	10	9.4	94		10	9.0	90		4	70-130	20
1,1,1,2-Tetrachloroethane	ND	10	9.3	93		10	8.8	88		6	64-130	20
Bromobenzene	ND	10	9.3	93		10	8.8	88		6	70-130	20
n-Butylbenzene	ND	10	6.5	65		10	5.7	57		13	53-136	20
sec-Butylbenzene	ND	10	6.9	69	Q	10	6.2	62	Q	11	70-130	20
tert-Butylbenzene	ND	10	7.7	77		10	7.0	70		10	70-130	20
o-Chlorotoluene	ND	10	8.1	81		10	7.3	73		10	70-130	20
p-Chlorotoluene	ND	10	7.8	78		10	7.2	72		8	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	8.3	83		10	8.6	86		4	41-144	20
Hexachlorobutadiene	ND	10	8.2	82		10	6.9	69		17	63-130	20
Isopropylbenzene	ND	10	7.3	73		10	6.6	66	Q	10	70-130	20
p-Isopropyltoluene	ND	10	7.3	73		10	6.4	64	Q	13	70-130	20
Naphthalene	ND	10	8.6	86		10	8.1	81		6	70-130	20
n-Propylbenzene	ND	10	7.0	70		10	6.3	63	Q	11	69-130	20
1,2,3-Trichlorobenzene	ND	10	8.9	89		10	8.2	82		8	70-130	20
1,2,4-Trichlorobenzene	ND	10	8.8	88		10	8.0	80		10	70-130	20
1,3,5-Trimethylbenzene	ND	10	7.5	75		10	6.8	68		10	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: 3B	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2470744-04	**Analysis Date**	: 12/06/24 11:09
Matrix Spike	: WG2006732-6	**MS Analysis Date**	: 12/07/24 22:18
Matrix Spike Dup	: WG2006732-7	**MSD Analysis Date**	: 12/07/24 22:42

		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
1,2,4-Trimethylbenzene	ND	10	7.5	75		10	6.9	69	Q	8	70-130	20
1,4-Dioxane	ND	500	440	88		500	440	88		0	56-162	20
p-Diethylbenzene	ND	10	7.1	71		10	6.2	62	Q	14	70-130	20
p-Ethyltoluene	ND	10	7.2	72		10	6.5	65	Q	10	70-130	20
1,2,4,5-Tetramethylbenzene	ND	10	8.0	80		10	7.1	71		12	70-130	20
Ethyl ether	ND	10	8.9	89		10	8.6	86		3	59-134	20
trans-1,4-Dichloro-2-butene	ND	10	4.7	47	Q	10	4.5	45	Q	4	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2006732-5	**Lab File ID**	: VG241206A05
Instrument ID	: GONZO		
Matrix	: WATER	**Analysis Date**	: 12/06/24 09:33

Client Sample No.	Lab Sample ID	Analysis Date
WG2006732-3LCS	WG2006732-3	12/06/24 08:22
WG2006732-4LCSD	WG2006732-4	12/06/24 08:46
2A	L2470744-01	12/06/24 09:57
2B	L2470744-02	12/06/24 10:21
3A	L2470744-03	12/06/24 10:45
3B	L2470744-04	12/06/24 11:09
4A	L2470744-05	12/06/24 11:33
4B	L2470744-06	12/06/24 11:57
5A	L2470744-07	12/06/24 12:21
5B	L2470744-08	12/06/24 12:45
6A	L2470744-09	12/06/24 13:09

Method Blank Summary
Form 4
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2006732-12	**Lab File ID**	: VG241207A05
Instrument ID	: GONZO		
Matrix	:	**Analysis Date**	: 12/07/24 13:55

Client Sample No.	Lab Sample ID	Analysis Date
WG2006732-10LCS	WG2006732-10	12/07/24 12:43
WG2006732-11LCSD	WG2006732-11	12/07/24 13:07
3BMS	WG2006732-6	12/07/24 22:18
3BMSD	WG2006732-7	12/07/24 22:42

Method Blank Summary
Form 4
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2006760-5	**Lab File ID**	: VG241207A05
Instrument ID	: GONZO		
Matrix	: WATER	**Analysis Date**	: 12/07/24 13:55

Client Sample No.	Lab Sample ID	Analysis Date
WG2006760-3LCS	WG2006760-3	12/07/24 12:43
WG2006760-4LCSD	WG2006760-4	12/07/24 13:07
FIELD BLANK	L2470744-21	12/07/24 14:19
6B	L2470744-10	12/07/24 14:43
7A	L2470744-11	12/07/24 15:07
7B	L2470744-12	12/07/24 15:31
8A	L2470744-13	12/07/24 15:55
8B	L2470744-14	12/07/24 16:19
9A	L2470744-15	12/07/24 16:43
9B	L2470744-16	12/07/24 17:07
10A	L2470744-17	12/07/24 17:31
10B	L2470744-18	12/07/24 17:55
DUP 001	L2470744-19	12/07/24 18:18

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

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: GONZO	**Analysis Date**	: 10/03/24 03:49
Tune Standard	: WG1980167-1	**Tune File ID**	: VG241003ABF2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 80.0% of mass 95	49.5
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	0.8 (1)1
174	Greater than 50.0% of mass 95	81.3
175	5.0 - 9.0% of mass 174	5.3 (6.5)1
176	Greater than 95.0% but less than 101% of mass	78.5 (96.5)1
177	5.0 - 9.0% of mass 176	5.3 (6.7)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	R1883860-1	VG241003A03	10/03/24 04:54
STD0.5PPB	R1883860-2	VG241003A05	10/03/24 05:42
STD2PPB	R1883860-3	VG241003A07	10/03/24 06:30
STD10PPB	R1883860-4	VG241003A09	10/03/24 07:18
STD30PPB	R1883860-5	VG241003A10	10/03/24 07:42
STD80PPB	R1883860-6	VG241003A11	10/03/24 08:06
STD120PPB	R1883860-7	VG241003A12	10/03/24 08:30
STD200PPB	R1883860-8	VG241003A13	10/03/24 08:54
ICV Quant Report	R1883860-9	VG241003A18	10/03/24 10:54

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

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: GONZO	**Analysis Date**	: 12/06/24 07:43
Tune Standard	: WG2006732-1	**Tune File ID**	: VG241206ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	18.6
75	30.0 - 80.0% of mass 95	44.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (.8)1
174	Greater than 50.0% of mass 95	92.7
175	5.0 - 9.0% of mass 174	7 (7.6)1
176	Greater than 95.0% but less than 101% of mass	93.6 (100.)1
177	5.0 - 9.0% of mass 176	6.2 (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
WG2006732-2CCAL	WG2006732-2	VG241206A02	12/06/24 08:22
WG2006732-3LCS	WG2006732-3	VG241206A02	12/06/24 08:22
WG2006732-4LCSD	WG2006732-4	VG241206A03	12/06/24 08:46
WG2006732-5BLANK	WG2006732-5	VG241206A05	12/06/24 09:33
2A	L2470744-01	VG241206A06	12/06/24 09:57
2B	L2470744-02	VG241206A07	12/06/24 10:21
3A	L2470744-03	VG241206A08	12/06/24 10:45
3B	L2470744-04	VG241206A09	12/06/24 11:09
4A	L2470744-05	VG241206A10	12/06/24 11:33
4B	L2470744-06	VG241206A11	12/06/24 11:57
5A	L2470744-07	VG241206A12	12/06/24 12:21
5B	L2470744-08	VG241206A13	12/06/24 12:45
6A	L2470744-09	VG241206A14	12/06/24 13:09

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

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: GONZO	**Analysis Date**	: 12/07/24 12:01
Tune Standard	: WG2006732-8	**Tune File ID**	: VG241207ABF2_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	48.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.5 (.6)1
174	Greater than 50.0% of mass 95	95.4
175	5.0 - 9.0% of mass 174	6.8 (7.2)1
176	Greater than 95.0% but less than 101% of mass	94.5 (99.1)1
177	5.0 - 9.0% of mass 176	5.9 (6.3)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
WG2006732-10LCS	WG2006732-10	VG241207A02	12/07/24 12:43
WG2006732-9CCAL	WG2006732-9	VG241207A02	12/07/24 12:43
WG2006732-11LCSD	WG2006732-11	VG241207A03	12/07/24 13:07
WG2006732-12BLANK	WG2006732-12	VG241207A05	12/07/24 13:55
WG2006732-6MS	WG2006732-6	VG241207A26	12/07/24 22:18
WG2006732-7MSD	WG2006732-7	VG241207A27	12/07/24 22:42

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

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: GONZO	**Analysis Date**	: 12/07/24 12:01
Tune Standard	: WG2006760-1	**Tune File ID**	: VG241207ABF2_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	48.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.5 (.6)1
174	Greater than 50.0% of mass 95	95.4
175	5.0 - 9.0% of mass 174	6.8 (7.2)1
176	Greater than 95.0% but less than 101% of mass	94.5 (99.1)1
177	5.0 - 9.0% of mass 176	5.9 (6.3)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
WG2006760-2CCAL	WG2006760-2	VG241207A02	12/07/24 12:43
WG2006760-3LCS	WG2006760-3	VG241207A02	12/07/24 12:43
WG2006760-4LCSD	WG2006760-4	VG241207A03	12/07/24 13:07
WG2006760-5BLANK	WG2006760-5	VG241207A05	12/07/24 13:55
FIELD BLANK	L2470744-21	VG241207A06	12/07/24 14:19
6B	L2470744-10	VG241207A07	12/07/24 14:43
7A	L2470744-11	VG241207A08	12/07/24 15:07
7B	L2470744-12	VG241207A09	12/07/24 15:31
8A	L2470744-13	VG241207A10	12/07/24 15:55
8B	L2470744-14	VG241207A11	12/07/24 16:19
9A	L2470744-15	VG241207A12	12/07/24 16:43
9B	L2470744-16	VG241207A13	12/07/24 17:07
10A	L2470744-17	VG241207A14	12/07/24 17:31
10B	L2470744-18	VG241207A15	12/07/24 17:55
DUP 001	L2470744-19	VG241207A16	12/07/24 18:18

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: GONZO	**Analysis Date**	: 12/06/24 08:22:00
Sample No	: WG2006732-2	**Lab File ID**	: VG241206A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2006732-2	642438	6.06	490245	9.60	271382	12.29
Upper Limit	1284876	6.56	980490	10.10	542764	12.79
Lower Limit	321219	5.56	245123	9.10	135691	11.79
Sample ID						
WG2006732-3 LCS	642438	6.06	490245	9.60	271382	12.29
WG2006732-4 LCSD	646593	6.06	492635	9.60	276097	12.29
WG2006732-5 BLANK	623064	6.06	474066	9.60	264990	12.29
2A	611354	6.06	466473	9.60	262641	12.29
2B	608913	6.06	470176	9.60	264427	12.29
3A	609714	6.06	462805	9.60	260367	12.29
3B	618793	6.06	466540	9.60	260274	12.29
4A	600930	6.06	456189	9.60	252468	12.29
4B	565261	6.06	428089	9.60	240300	12.29
5A	554959	6.06	418554	9.60	229297	12.29
5B	559241	6.06	419813	9.60	232434	12.29
6A	539267	6.06	409341	9.60	223698	12.29
WG2006732-8 BFB	-	-	-	-	-	-

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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: GONZO	**Analysis Date**	: 12/07/24 12:43:00
Sample No	: WG2006732-9	**Lab File ID**	: VG241207A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2006732-9	468300	6.06	363004	9.60	211946	12.29
Upper Limit	936600	6.56	726008	10.10	423892	12.79
Lower Limit	234150	5.56	181502	9.10	105973	11.79
Sample ID						
WG2006732-10 LCS	468300	6.06	363004	9.60	211946	12.29
WG2006732-11 LCSD	476251	6.06	368860	9.60	218618	12.29
WG2006732-12 BLANK	462710	6.06	352601	9.60	205131	12.29
3B MS	472492	6.06	368378	9.59	215864	12.29
3B MSD	483479	6.06	375087	9.60	222937	12.29

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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: GONZO	**Analysis Date**	: 12/07/24 12:43:00
Sample No	: WG2006760-2	**Lab File ID**	: VG241207A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2006760-2	468300	6.06	363004	9.60	211946	12.29
Upper Limit	936600	6.56	726008	10.10	423892	12.79
Lower Limit	234150	5.56	181502	9.10	105973	11.79
Sample ID						
WG2006760-3 LCS	468300	6.06	363004	9.60	211946	12.29
WG2006760-4 LCSD	476251	6.06	368860	9.60	218618	12.29
WG2006760-5 BLANK	462710	6.06	352601	9.60	205131	12.29
FIELD BLANK	449152	6.06	345537	9.60	196983	12.29
6B	448185	6.06	349217	9.60	195431	12.29
7A	450845	6.06	346664	9.60	198334	12.29
7B	445851	6.06	340903	9.60	194909	12.29
8A	441828	6.06	341643	9.60	194350	12.29
8B	420425	6.06	333000	9.60	187088	12.29
9A	418727	6.06	322809	9.60	183156	12.29
9B	417034	6.06	323995	9.60	180752	12.29
10A	413999	6.06	315597	9.60	180241	12.29
10B	404290	6.06	312923	9.60	179209	12.29
DUP 001	399150	6.06	313733	9.60	180652	12.29

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: 03/15/23
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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		
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 the laboratory.

Date Created: 03/15/23
Created By: Jason Hebert
File: PM14094-1
Page: 2

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)***
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Date Created: 03/15/23
Created By: Jason Hebert
File: PM14095-1
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VOCs - EPA 8260D/5035 High & Low (SOIL)

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

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

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
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Date Created: 03/15/23
Created By: Jason Hebert
File: PM14095-1
Page: 2

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

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

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

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-01	Date Collected	: 12/02/24 11:15
Client ID	: 2A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 09:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A06	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-01	Date Collected	: 12/02/24 11:15
Client ID	: 2A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 09:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A06	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-01	Date Collected	: 12/02/24 11:15
Client ID	: 2A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 09:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A06	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-01	**Date Collected**	: 12/02/24 11:15
Client ID	: 2A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 09:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241206A06	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-02	Date Collected	: 12/02/24 11:11
Client ID	: 2B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 10:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A07	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-02	**Date Collected**	: 12/02/24 11:11
Client ID	: 2B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 10:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241206A07	**Instrument ID**	: GONZO
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**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-02	Date Collected	: 12/02/24 11:11
Client ID	: 2B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 10:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A07	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-02	**Date Collected**	: 12/02/24 11:11
Client ID	: 2B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 10:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241206A07	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-03	Date Collected	: 12/02/24 10:00
Client ID	: 3A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 10:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A08	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-03	Date Collected	: 12/02/24 10:00
Client ID	: 3A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 10:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A08	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-03	Date Collected	: 12/02/24 10:00
Client ID	: 3A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 10:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A08	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-03	**Date Collected**	: 12/02/24 10:00
Client ID	: 3A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 10:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241206A08	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-04	Date Collected	: 12/02/24 10:05
Client ID	: 3B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 11:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A09	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-04	Date Collected	: 12/02/24 10:05
Client ID	: 3B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 11:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A09	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-04	Date Collected	: 12/02/24 10:05
Client ID	: 3B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 11:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A09	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-04	**Date Collected**	: 12/02/24 10:05
Client ID	: 3B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 11:09
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241206A09	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-05	Date Collected	: 12/03/24 08:20
Client ID	: 4A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 11:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A10	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-05	Date Collected	: 12/03/24 08:20
Client ID	: 4A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 11:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A10	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-05	Date Collected	: 12/03/24 08:20
Client ID	: 4A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 11:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A10	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-05	**Date Collected**	: 12/03/24 08:20
Client ID	: 4A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 11:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241206A10	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-06	Date Collected	: 12/03/24 08:40
Client ID	: 4B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 11:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A11	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-06	Date Collected	: 12/03/24 08:40
Client ID	: 4B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 11:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A11	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-06	Date Collected	: 12/03/24 08:40
Client ID	: 4B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 11:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A11	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-06	**Date Collected**	: 12/03/24 08:40
Client ID	: 4B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 11:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241206A11	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-07	Date Collected	: 12/03/24 09:20
Client ID	: 5A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 12:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A12	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-07	Date Collected	: 12/03/24 09:20
Client ID	: 5A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 12:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A12	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-07	Date Collected	: 12/03/24 09:20
Client ID	: 5A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 12:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A12	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-07	**Date Collected**	: 12/03/24 09:20
Client ID	: 5A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 12:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241206A12	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-08	Date Collected	: 12/03/24 09:55
Client ID	: 5B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 12:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A13	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-08	Date Collected	: 12/03/24 09:55
Client ID	: 5B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 12:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A13	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-08	Date Collected	: 12/03/24 09:55
Client ID	: 5B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 12:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A13	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-08	**Date Collected**	: 12/03/24 09:55
Client ID	: 5B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 12:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241206A13	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-09	Date Collected	: 12/02/24 14:20
Client ID	: 6A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 13:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A14	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-09	Date Collected	: 12/02/24 14:20
Client ID	: 6A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 13:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A14	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-09	Date Collected	: 12/02/24 14:20
Client ID	: 6A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 13:09
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241206A14	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-09	**Date Collected**	: 12/02/24 14:20
Client ID	: 6A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 13:09
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241206A14	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-10	**Date Collected**	: 12/02/24 14:03
Client ID	: 6B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/07/24 14:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241207A07	**Instrument ID**	: GONZO
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**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-10	Date Collected	: 12/02/24 14:03
Client ID	: 6B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 14:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A07	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-10	Date Collected	: 12/02/24 14:03
Client ID	: 6B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 14:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A07	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-10	**Date Collected**	: 12/02/24 14:03
Client ID	: 6B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/07/24 14:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241207A07	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-11	Date Collected	: 12/03/24 14:45
Client ID	: 7A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 15:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A08	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	3.9	0.50	0.16	
108-88-3	Toluene	0.91	2.5	0.70	J
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-11	Date Collected	: 12/03/24 14:45
Client ID	: 7A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 15:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A08	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	1.5	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-11	Date Collected	: 12/03/24 14:45
Client ID	: 7A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 15:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A08	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-11	**Date Collected**	: 12/03/24 14:45
Client ID	: 7A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/07/24 15:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241207A08	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-12	Date Collected	: 12/02/24 12:45
Client ID	: 7B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 15:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A09	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-12	Date Collected	: 12/02/24 12:45
Client ID	: 7B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 15:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A09	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-12	Date Collected	: 12/02/24 12:45
Client ID	: 7B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 15:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A09	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-12	**Date Collected**	: 12/02/24 12:45
Client ID	: 7B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/07/24 15:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241207A09	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-13	Date Collected	: 12/03/24 13:25
Client ID	: 8A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 15:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A10	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-13	Date Collected	: 12/03/24 13:25
Client ID	: 8A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 15:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A10	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-13	Date Collected	: 12/03/24 13:25
Client ID	: 8A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 15:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A10	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-13	**Date Collected**	: 12/03/24 13:25
Client ID	: 8A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/07/24 15:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241207A10	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-14	Date Collected	: 12/03/24 13:27
Client ID	: 8B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 16:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A11	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-14	Date Collected	: 12/03/24 13:27
Client ID	: 8B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 16:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A11	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-14	Date Collected	: 12/03/24 13:27
Client ID	: 8B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 16:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A11	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-14	**Date Collected**	: 12/03/24 13:27
Client ID	: 8B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/07/24 16:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241207A11	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-15	Date Collected	: 12/03/24 12:30
Client ID	: 9A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 16:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A12	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-15	Date Collected	: 12/03/24 12:30
Client ID	: 9A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 16:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A12	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-15	Date Collected	: 12/03/24 12:30
Client ID	: 9A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 16:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A12	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-15	**Date Collected**	: 12/03/24 12:30
Client ID	: 9A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/07/24 16:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241207A12	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-16	Date Collected	: 12/03/24 12:35
Client ID	: 9B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 17:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A13	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-16	Date Collected	: 12/03/24 12:35
Client ID	: 9B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 17:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A13	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-16	Date Collected	: 12/03/24 12:35
Client ID	: 9B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 17:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A13	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-16	**Date Collected**	: 12/03/24 12:35
Client ID	: 9B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/07/24 17:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241207A13	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-17	Date Collected	: 12/03/24 11:40
Client ID	: 10A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 17:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A14	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-17	Date Collected	: 12/03/24 11:40
Client ID	: 10A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 17:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A14	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-17	Date Collected	: 12/03/24 11:40
Client ID	: 10A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 17:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A14	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-17	**Date Collected**	: 12/03/24 11:40
Client ID	: 10A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/07/24 17:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241207A14	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-18	Date Collected	: 12/03/24 11:45
Client ID	: 10B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 17:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A15	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-18	Date Collected	: 12/03/24 11:45
Client ID	: 10B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 17:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A15	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-18	Date Collected	: 12/03/24 11:45
Client ID	: 10B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 17:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A15	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-18	**Date Collected**	: 12/03/24 11:45
Client ID	: 10B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/07/24 17:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241207A15	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-19	Date Collected	: 12/02/24 00:00
Client ID	: DUP 001	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 18:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A16	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-19	Date Collected	: 12/02/24 00:00
Client ID	: DUP 001	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 18:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A16	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-19	Date Collected	: 12/02/24 00:00
Client ID	: DUP 001	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 18:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A16	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-19	**Date Collected**	: 12/02/24 00:00
Client ID	: DUP 001	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/07/24 18:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241207A16	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-21	Date Collected	: 12/03/24 15:55
Client ID	: FIELD BLANK	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 14:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A06	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-21	Date Collected	: 12/03/24 15:55
Client ID	: FIELD BLANK	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 14:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A06	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-21	Date Collected	: 12/03/24 15:55
Client ID	: FIELD BLANK	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/07/24 14:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VG241207A06	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-21	**Date Collected**	: 12/03/24 15:55
Client ID	: FIELD BLANK	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/07/24 14:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VG241207A06	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: WG2006732-5	Date Collected	: NA
Client ID	: WG2006732-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/06/24 09:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG241206A05	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: WG2006732-5	Date Collected	: NA
Client ID	: WG2006732-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/06/24 09:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG241206A05	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: WG2006732-5	Date Collected	: NA
Client ID	: WG2006732-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/06/24 09:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: VG241206A05	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2006732-5	**Date Collected**	: NA
Client ID	: WG2006732-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/06/24 09:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG241206A05	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: WG2006760-5	Date Collected	: NA
Client ID	: WG2006760-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/07/24 13:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: VG241207A05	Instrument ID	: GONZO
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
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
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
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: WG2006760-5	Date Collected	: NA
Client ID	: WG2006760-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/07/24 13:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: VG241207A05	Instrument ID	: GONZO
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
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: WG2006760-5	Date Collected	: NA
Client ID	: WG2006760-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/07/24 13:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: VG241207A05	Instrument ID	: GONZO
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
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2006760-5	**Date Collected**	: NA
Client ID	: WG2006760-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/07/24 13:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: VG241207A05	**Instrument ID**	: GONZO
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**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A06.D
Acq On : 6 Dec 2024 9:57 am
Operator : GONZO:MJV
Sample : L2470744-01,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 07:21:59 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.056	96	611354	10.000 ug/L	0.00
Standard Area 1 = 642438			Recovery =	95.16%	
59) Chlorobenzene-d5	9.596	117	466473	10.000 ug/L	0.00
Standard Area 1 = 490245			Recovery =	95.15%	
79) 1,4-Dichlorobenzene-d4	12.286	152	262641	10.000 ug/L	0.00
Standard Area 1 = 271382			Recovery =	96.78%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.250	113	153376	10.061 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.61%	
43) 1,2-Dichloroethane-d4	5.775	65	172225	9.805 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.05%	
60) Toluene-d8	7.743	98	582828	9.447 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.47%	
83) 4-Bromofluorobenzene	11.085	95	222988	9.687 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.87%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	1.847	50	287	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D. d	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.024	76	1999	N.D.	
15) Methylene chloride	3.556	84	203	N.D.	
17) Acetone	3.617	43	1901	0.567 ug/L #	55
18) trans-1,2-Dichloroethene	0.000		0	N.D. d	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	4.384	43	87	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	5.060	83	170	N.D.	

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A06.D
Acq On : 6 Dec 2024 9:57 am
Operator : GONZO:MJV
Sample : L2470744-01,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 07:21:59 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.402	43	3782	0.740	ug/L	#	49
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	0.000		0	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.		d	
48) Trichloroethene	0.000		0	N.D.		d	
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.793	92	226	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	9.011	43	72	N.D.			
73) Chlorobenzene	9.620	112	76	N.D.			
74) Ethylbenzene	9.884	91	759	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	9.876	106	193	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	10.780	105	193	N.D.			
84) Bromobenzene	11.200	156	83	N.D.			
85) n-Propylbenzene	11.266	91	922	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	11.373	105	444	N.D.			
89) 2-Chlorotoluene	11.439	91	269	N.D.			
90) 1,3,5-Trimethylbenzene	11.480	105	428	N.D.			
91) 1,2,3-Trichloropropane	11.611	75	79	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	11.636	91	402	N.D.			
94) tert-Butylbenzene	11.809	119	426	N.D.			

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A06.D
Acq On : 6 Dec 2024 9:57 am
Operator : GONZO:MJV
Sample : L2470744-01,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 07:21:59 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	11.891	105	1144	N.D.			
98)	sec-Butylbenzene	11.990	105	879	N.D.			
99)	p-Isopropyltoluene	12.146	119	581	N.D.			
100)	1,3-Dichlorobenzene	12.228	146	291	N.D.			
101)	1,4-Dichlorobenzene	12.302	146	689	N.D.			
102)	p-Diethylbenzene	12.533	119	593	N.D.			
103)	n-Butylbenzene	12.598	91	1057	N.D.			
104)	1,2-Dichlorobenzene	12.746	146	413	N.D.			
105)	1,2,4,5-Tetramethylben...	13.322	119	1160	N.D.			
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108)	Hexachlorobutadiene	14.104	225	505	0.091	ug/L	#	87
109)	1,2,4-Trichlorobenzene	14.145	180	1047	0.071	ug/L	#	81
110)	Naphthalene	14.449	128	1817	N.D.			
111)	1,2,3-Trichlorobenzene	14.606	180	848	N.D.			

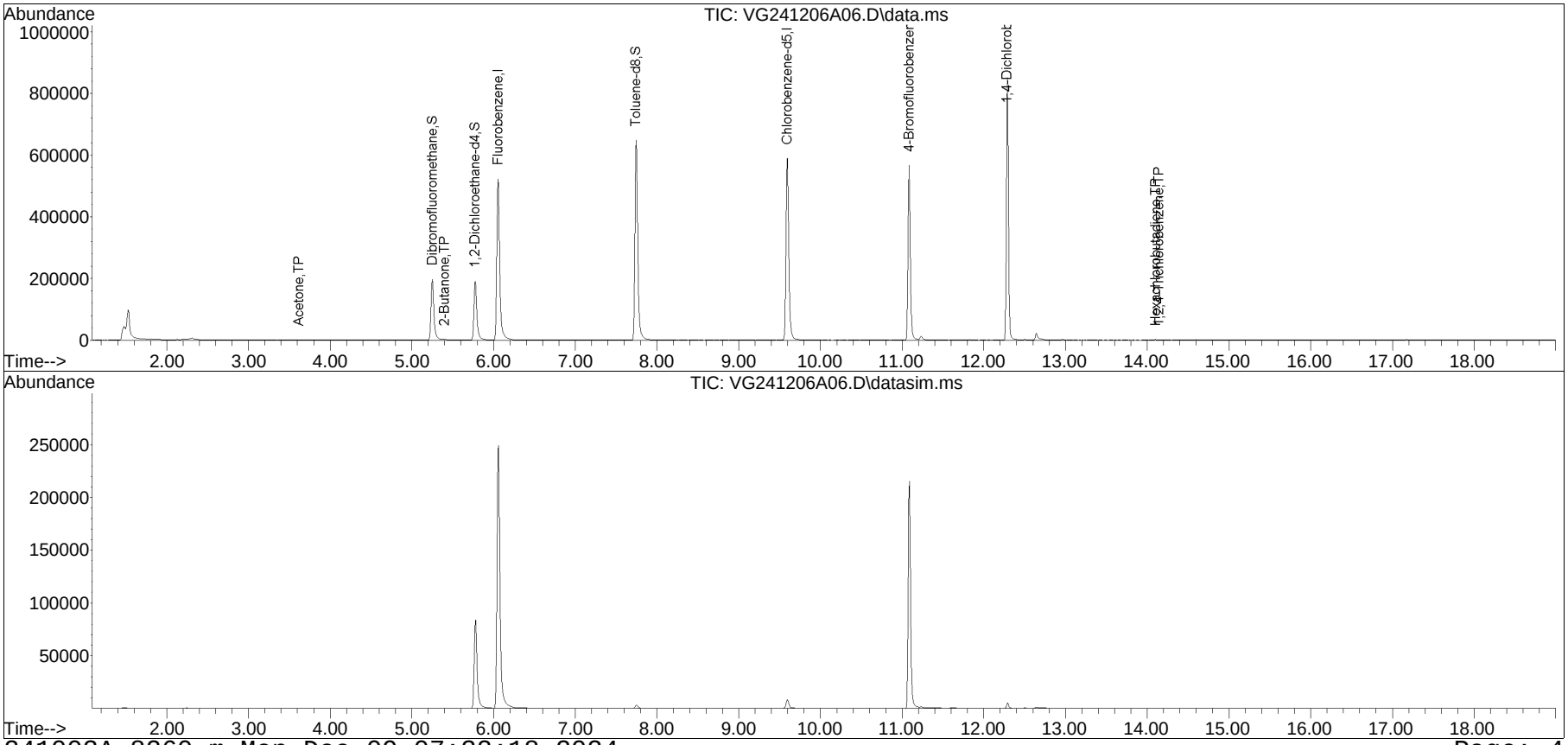
(#) = qualifier out of range (m) = manual integration (+) = signals summed

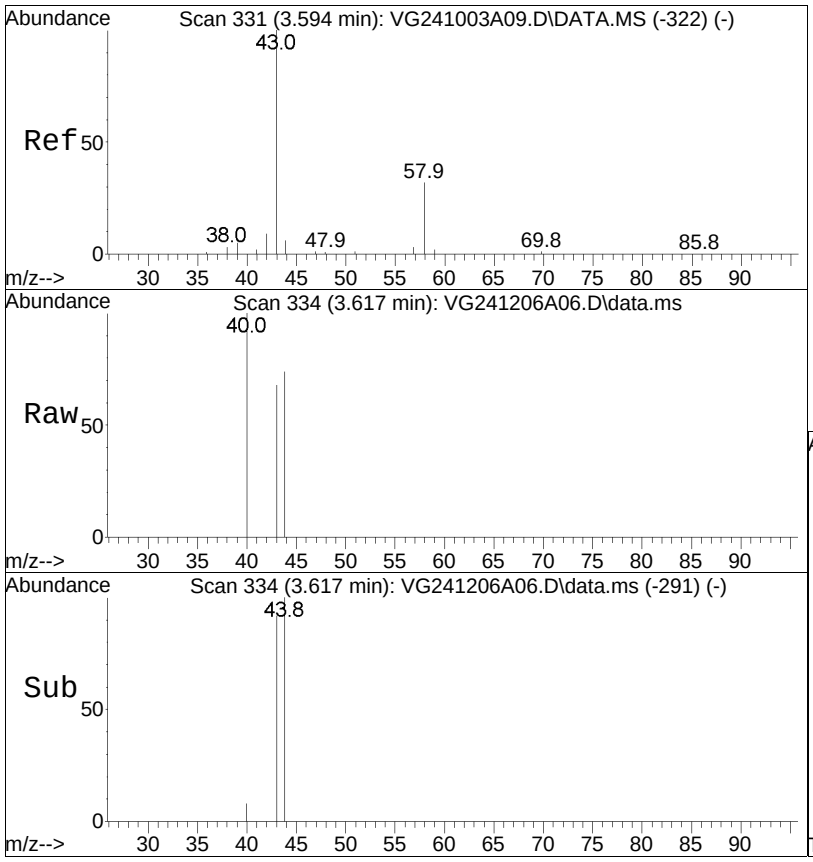
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A06.D
Acq On : 6 Dec 2024 9:57 am
Operator : GONZO:MJV
Sample : L2470744-01,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 07:21:59 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1206A02.D•

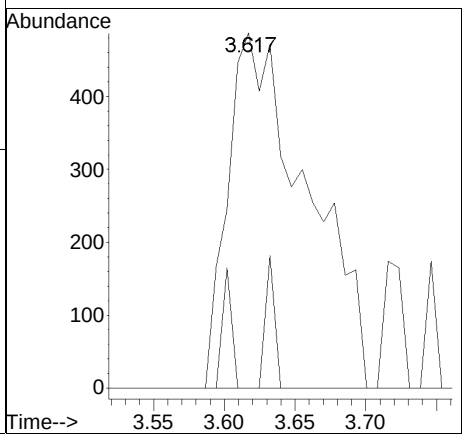


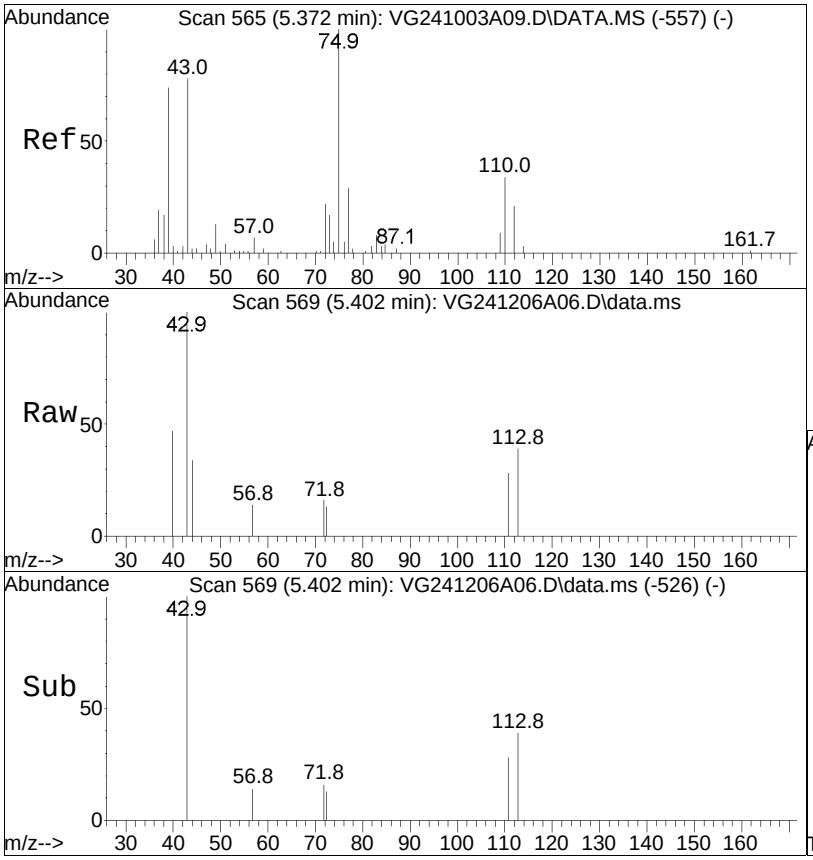


#17
Acetone
Concen: 0.57 ug/L
RT: 3.617 min Scan# 334
Delta R.T. 0.023 min
Lab File: VG241206A06.D
Acq: 6 Dec 2024 9:57 am

Tgt Ion: 43 Resp: 1901

Ion	Ratio	Lower	Upper
43	100		
58	4.4	22.2	33.4#

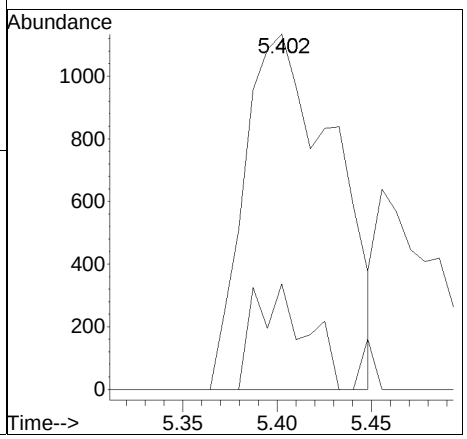


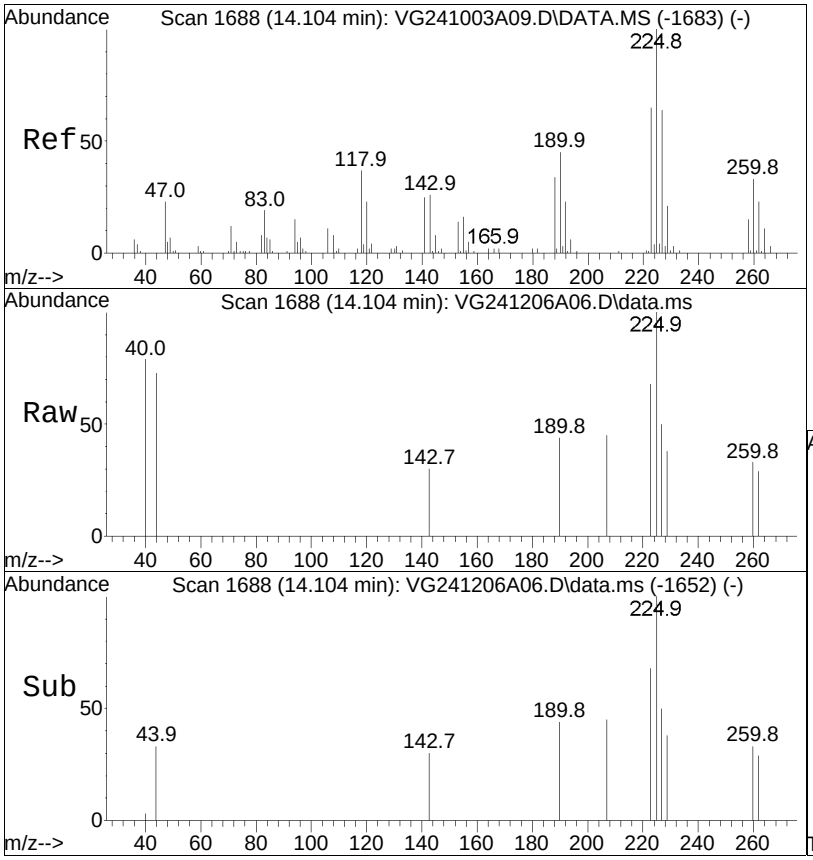


#39
2-Butanone
Concen: 0.74 ug/L
RT: 5.402 min Scan# 569
Delta R.T. 0.030 min
Lab File: VG241206A06.D
Acq: 6 Dec 2024 9:57 am

Tgt Ion: 43 Resp: 3782

Ion	Ratio	Lower	Upper
43	100		
72	17.0	42.6	63.8#

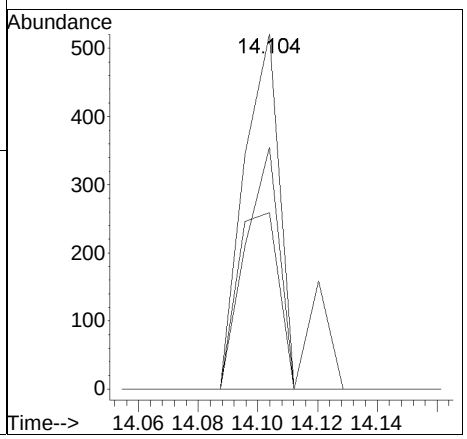


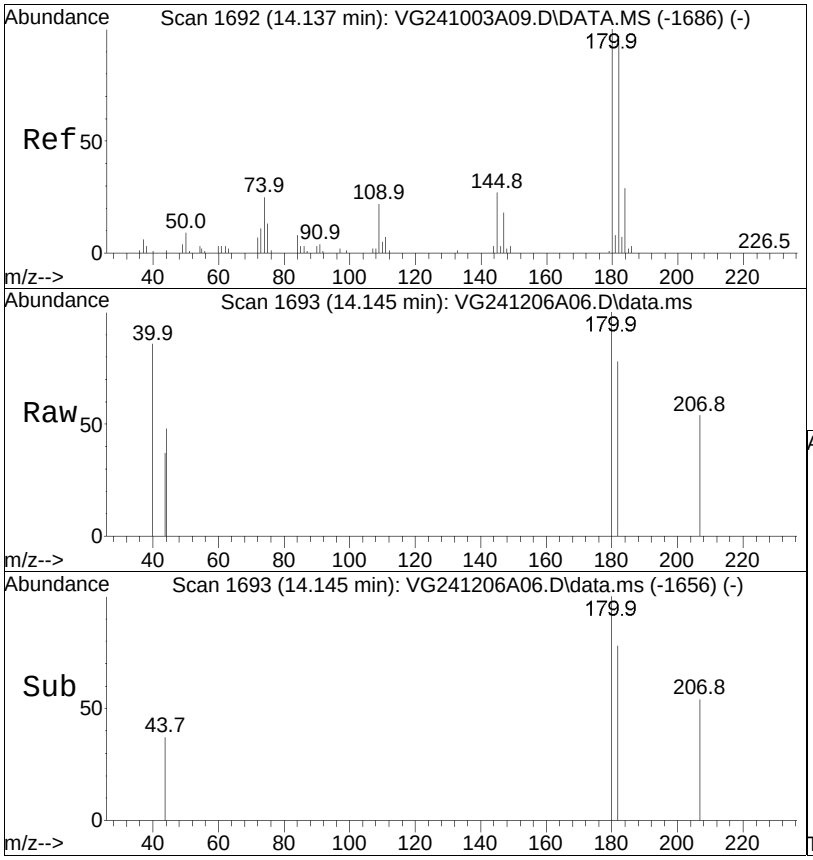


#108
Hexachlorobutadiene
Concen: 0.09 ug/L
RT: 14.104 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VG241206A06.D
Acq: 6 Dec 2024 9:57 am

Tgt Ion:225 Resp: 505

Ion	Ratio	Lower	Upper
225	100		
223	55.2	50.1	75.1
227	49.3	50.2	75.4#

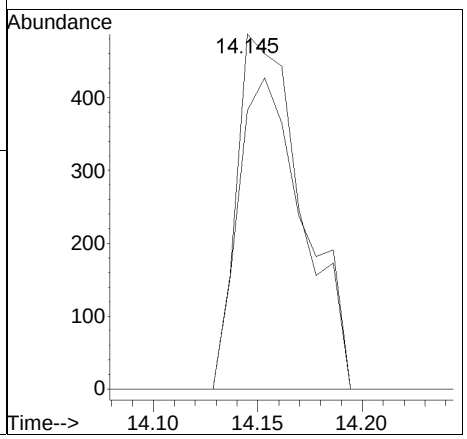




#109
1,2,4-Trichlorobenzene
Concen: 0.07 ug/L
RT: 14.145 min Scan# 1693
Delta R.T. 0.008 min
Lab File: VG241206A06.D
Acq: 6 Dec 2024 9:57 am

Tgt Ion:180 Resp: 1047

Ion	Ratio	Lower	Upper
180	100		
182	91.3	76.7	115.1
145	0.0	26.5	39.7#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241206A\	QMethod	: G_241003A_8260.m
Data File	: VG241206A06.D	Operator	: GONZO:MJV
Date Inj'd	: 12/6/2024 9:57 am	Instrument	: Gonzo
Sample	: L2470744-01,31,10,10,,A	Quant Date	: 12/9/2024 6:10 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A07.D
Acq On : 6 Dec 2024 10:21 am
Operator : GONZO:MJV
Sample : L2470744-02,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 09 07:22:18 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.056	96	608913	10.000 ug/L	0.00
Standard Area 1 = 642438			Recovery =	94.78%	
59) Chlorobenzene-d5	9.596	117	470176	10.000 ug/L	0.00
Standard Area 1 = 490245			Recovery =	95.91%	
79) 1,4-Dichlorobenzene-d4	12.286	152	264427	10.000 ug/L	0.00
Standard Area 1 = 271382			Recovery =	97.44%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.250	113	152809	10.064 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.64%	
43) 1,2-Dichloroethane-d4	5.775	65	171049	9.778 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.78%	
60) Toluene-d8	7.743	98	588783	9.469 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.69%	
83) 4-Bromofluorobenzene	11.085	95	224184	9.673 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.73%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.482	85	258	N.D.	
3) Chloromethane	1.862	50	635	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.242	94	250	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.024	76	1346	N.D.	
15) Methylene chloride	3.556	84	77	N.D.	
17) Acetone	3.609	43	1891	0.567 ug/L #	57
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	5.076	83	83	N.D.	

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A07.D
Acq On : 6 Dec 2024 10:21 am
Operator : GONZO:MJV
Sample : L2470744-02,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 09 07:22:18 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.418	43	5029	0.988	ug/L	#	47
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	5.645	78	81	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.		d	
48) Trichloroethene	0.000		0	N.D.		d	
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	7.063	83	76	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.808	92	445	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	9.097	43	94	N.D.			
73) Chlorobenzene	9.604	112	102	N.D.			
74) Ethylbenzene	9.670	91	299	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	9.892	106	180	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	10.772	105	76	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.274	91	418	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	11.381	105	397	N.D.			
89) 2-Chlorotoluene	11.422	91	172	N.D.			
90) 1,3,5-Trimethylbenzene	11.480	105	344	N.D.			
91) 1,2,3-Trichloropropane	11.611	75	296	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	11.636	91	276	N.D.			
94) tert-Butylbenzene	11.809	119	80	N.D.			

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A07.D
Acq On : 6 Dec 2024 10:21 am
Operator : GONZO:MJV
Sample : L2470744-02,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 09 07:22:18 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	11.907	105	841	N.D.			
98)	sec-Butylbenzene	11.998	105	463	N.D.			
99)	p-Isopropyltoluene	12.146	119	455	N.D.			
100)	1,3-Dichlorobenzene	12.220	146	380	N.D.			
101)	1,4-Dichlorobenzene	12.302	146	707	N.D.			
102)	p-Diethylbenzene	12.541	119	469	N.D.			
103)	n-Butylbenzene	12.598	91	581	N.D.			
104)	1,2-Dichlorobenzene	12.746	146	155	N.D.			
105)	1,2,4,5-Tetramethylben...	13.322	119	486	N.D.			
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108)	Hexachlorobutadiene	14.096	225	432	0.077	ug/L	#	69
109)	1,2,4-Trichlorobenzene	14.153	180	386	N.D.			
110)	Naphthalene	14.458	128	1736	N.D.			
111)	1,2,3-Trichlorobenzene	14.597	180	559	N.D.			

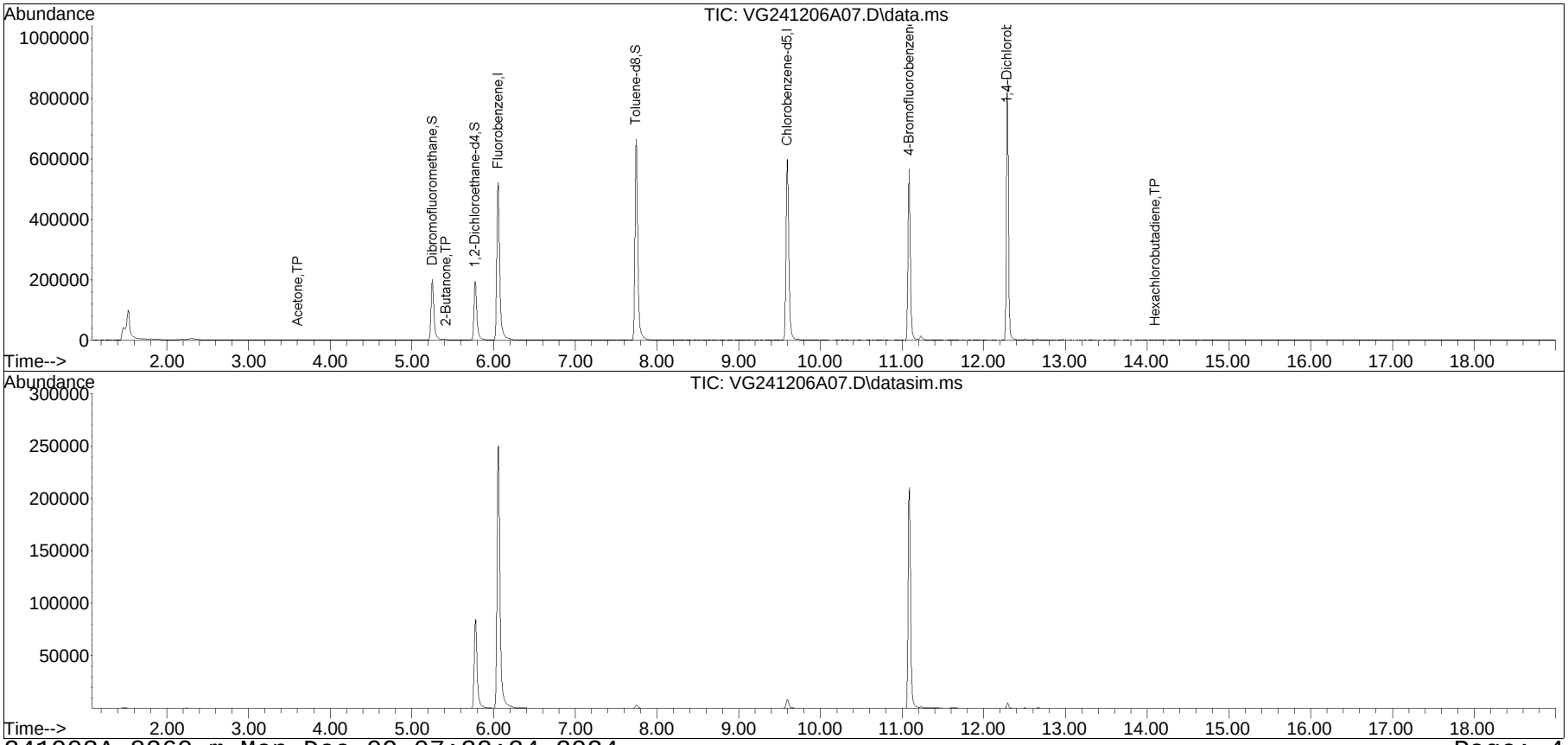
(#) = qualifier out of range (m) = manual integration (+) = signals summed

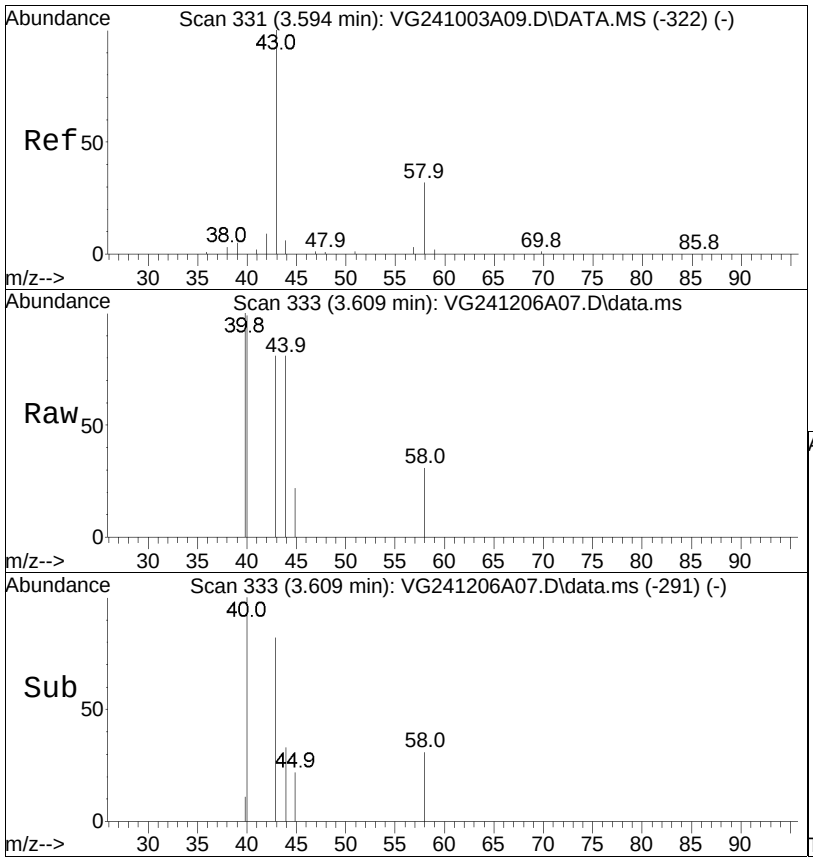
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A07.D
Acq On : 6 Dec 2024 10:21 am
Operator : GONZO:MJV
Sample : L2470744-02,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 09 07:22:18 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1206A02.D•

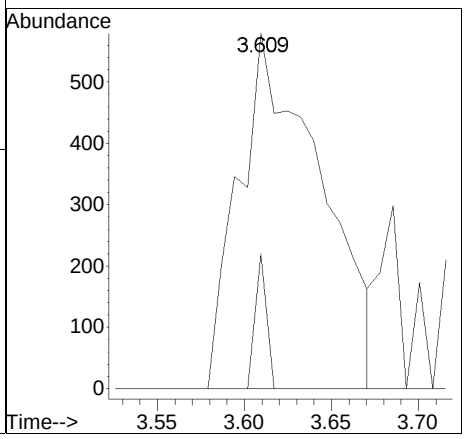


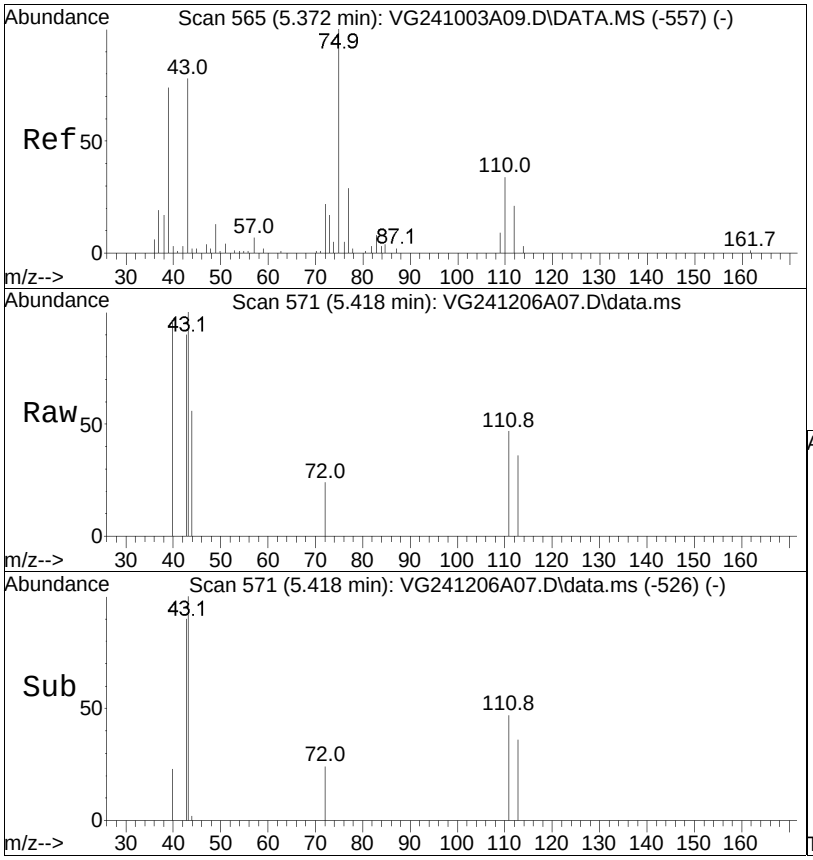


#17
Acetone
Concen: 0.57 ug/L
RT: 3.609 min Scan# 333
Delta R.T. 0.015 min
Lab File: VG241206A07.D
Acq: 6 Dec 2024 10:21 am

Tgt Ion: 43 Resp: 1891

Ion	Ratio	Lower	Upper
43	100		
58	5.3	22.2	33.4#

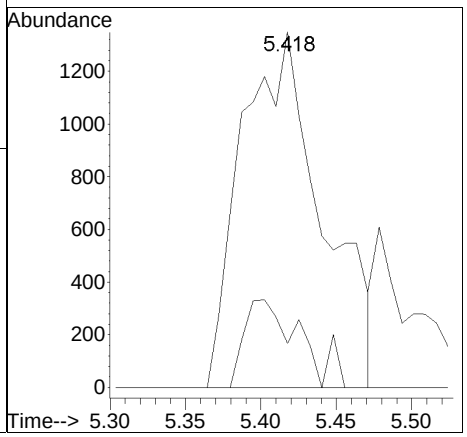


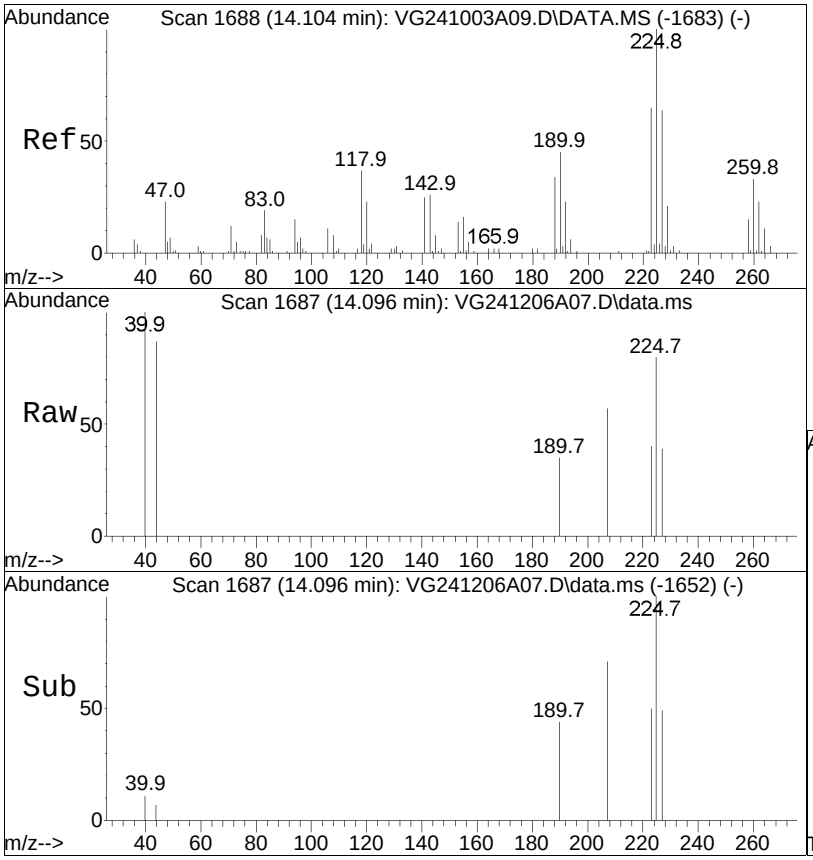


#39
2-Butanone
Concen: 0.99 ug/L
RT: 5.418 min Scan# 571
Delta R.T. 0.046 min
Lab File: VG241206A07.D
Acq: 6 Dec 2024 10:21 am

Tgt Ion: 43 Resp: 5029

Ion	Ratio	Lower	Upper
43	100		
72	15.3	42.6	63.8#

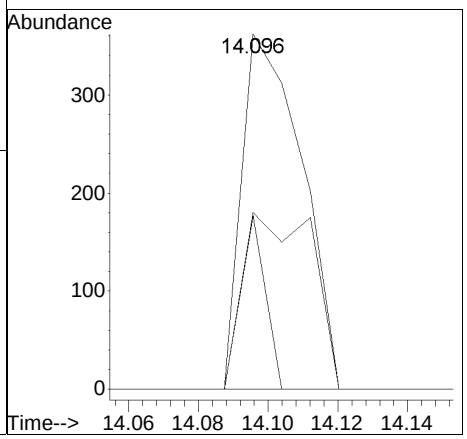




#108
Hexachlorobutadiene
Concen: 0.08 ug/L
RT: 14.096 min Scan# 1687
Delta R.T. -0.008 min
Lab File: VG241206A07.D
Acq: 6 Dec 2024 10:21 am

Tgt Ion:225 Resp: 432

Ion	Ratio	Lower	Upper
225	100		
223	57.6	50.1	75.1
227	20.1	50.2	75.4#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241206A\	QMethod	: G_241003A_8260.m
Data File	: VG241206A07.D	Operator	: GONZO:MJV
Date Inj'd	: 12/6/2024 10:21 am	Instrument	: Gonzo
Sample	: L2470744-02,31,10,10,,A	Quant Date	: 12/9/2024 6:10 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A08.D
Acq On : 6 Dec 2024 10:45 am
Operator : GONZO:MJV
Sample : L2470744-03,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 09 07:22:39 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.056	96	609714	10.000 ug/L	0.00
Standard Area 1 = 642438			Recovery =	94.91%	
59) Chlorobenzene-d5	9.596	117	462805	10.000 ug/L	0.00
Standard Area 1 = 490245			Recovery =	94.40%	
79) 1,4-Dichlorobenzene-d4	12.286	152	260367	10.000 ug/L	0.00
Standard Area 1 = 271382			Recovery =	95.94%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.250	113	149889	9.859 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.59%	
43) 1,2-Dichloroethane-d4	5.775	65	166547	9.508 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.08%	
60) Toluene-d8	7.743	98	584906	9.556 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.56%	
83) 4-Bromofluorobenzene	11.085	95	218481	9.574 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.74%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.490	85	86	N.D.	
3) Chloromethane	1.847	50	172	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.242	94	366	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.017	76	1558	N.D.	
15) Methylene chloride	3.549	84	103	N.D.	
17) Acetone	3.625	43	1449	0.434 ug/L #	60
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	5.083	83	508	N.D.	

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A08.D
Acq On : 6 Dec 2024 10:45 am
Operator : GONZO:MJV
Sample : L2470744-03,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 09 07:22:39 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.402	43	2828	0.555	ug/L	#	39
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	5.646	78	91	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.		d	
48) Trichloroethene	0.000		0	N.D.		d	
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.815	92	347	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	9.629	112	286	N.D.			
74) Ethylbenzene	9.645	91	176	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	0.000		0	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.282	91	535	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	11.356	105	85	N.D.			
89) 2-Chlorotoluene	11.282	91	535	N.D.			
90) 1,3,5-Trimethylbenzene	11.471	105	78	N.D.			
91) 1,2,3-Trichloropropane	11.290	75	78	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	11.620	91	84	N.D.			
94) tert-Butylbenzene	11.801	119	104	N.D.			

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A08.D
Acq On : 6 Dec 2024 10:45 am
Operator : GONZO:MJV
Sample : L2470744-03,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 09 07:22:39 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.891	105	731	N.D.		
98) sec-Butylbenzene	11.990	105	366	N.D.		
99) p-Isopropyltoluene	12.146	119	595	N.D.		
100) 1,3-Dichlorobenzene	12.220	146	112	N.D.		
101) 1,4-Dichlorobenzene	12.302	146	497	N.D.		
102) p-Diethylbenzene	12.549	119	294	N.D.		
103) n-Butylbenzene	12.607	91	525	N.D.		
104) 1,2-Dichlorobenzene	12.763	146	186	N.D.		
105) 1,2,4,5-Tetramethylben...	13.331	119	503	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108) Hexachlorobutadiene	14.096	225	322	N.D.		
109) 1,2,4-Trichlorobenzene	14.161	180	346	N.D.		
110) Naphthalene	14.482	128	1134	N.D.		
111) 1,2,3-Trichlorobenzene	14.606	180	469	N.D.		

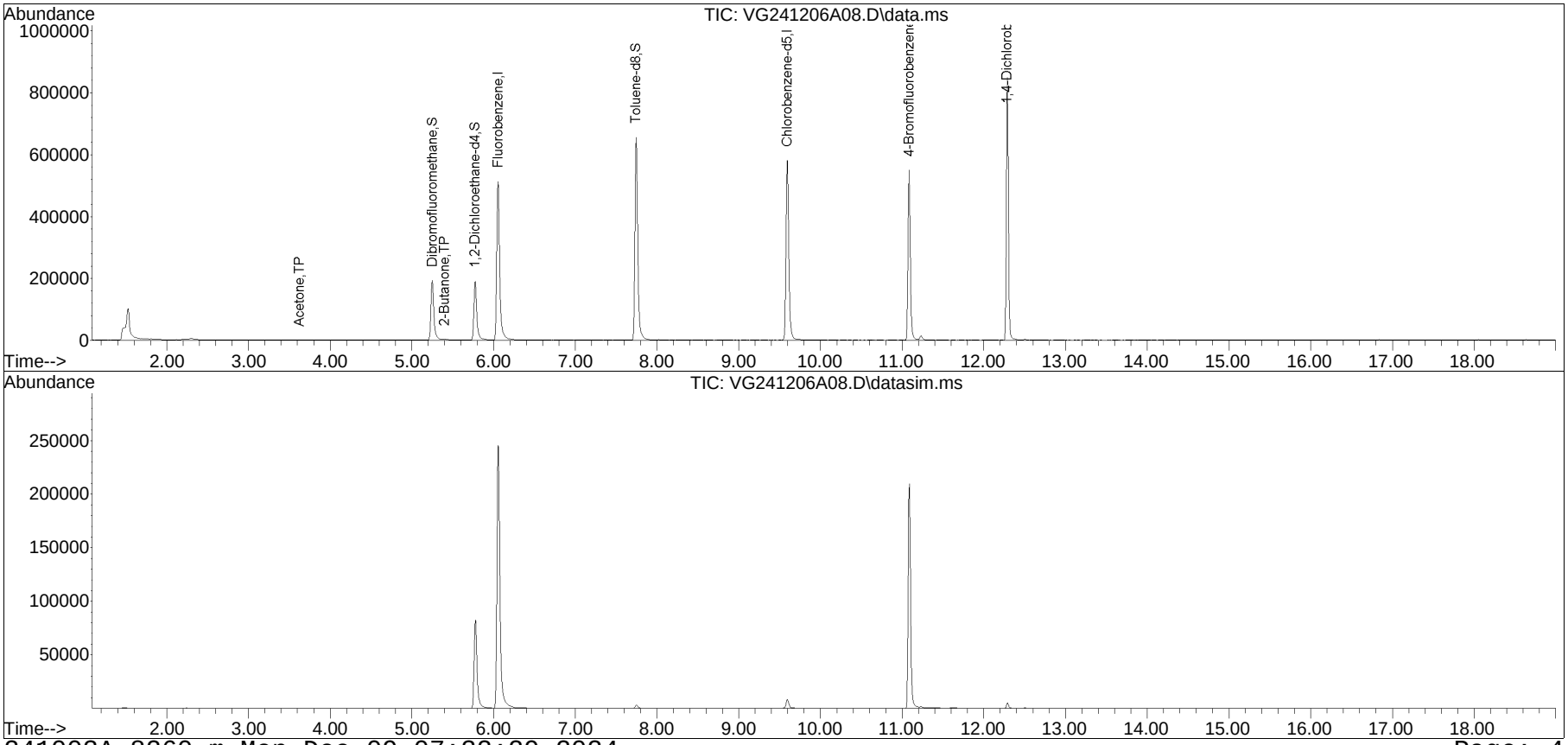
(#) = qualifier out of range (m) = manual integration (+) = signals summed

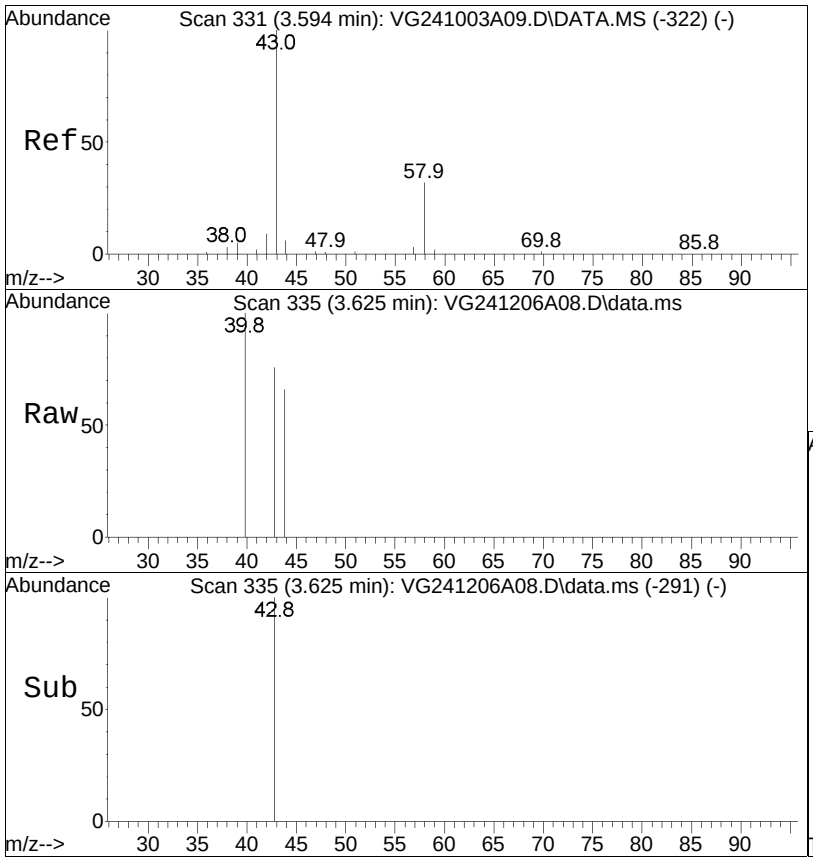
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A08.D
Acq On : 6 Dec 2024 10:45 am
Operator : GONZO:MJV
Sample : L2470744-03,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 09 07:22:39 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1206A02.D•

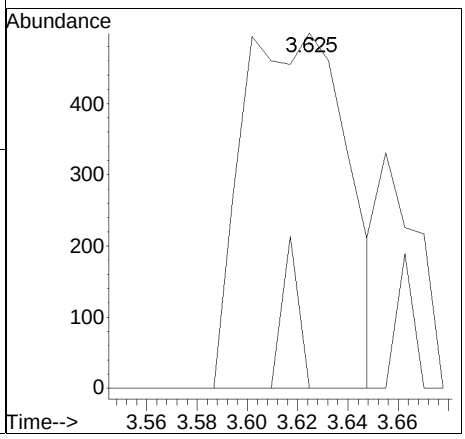


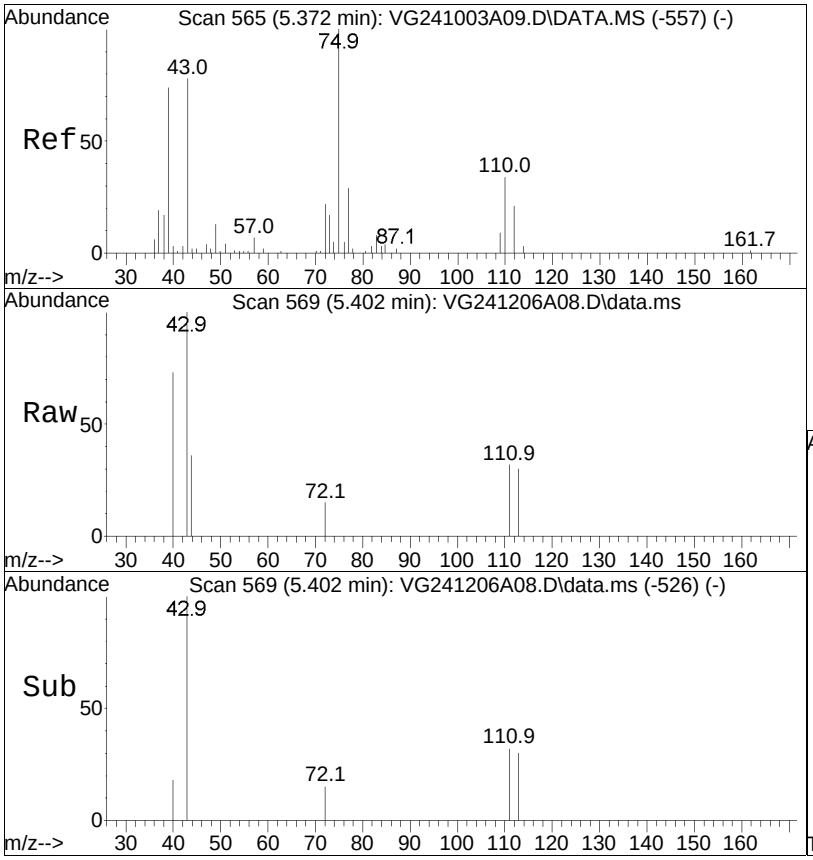


#17
Acetone
Concen: 0.43 ug/L
RT: 3.625 min Scan# 335
Delta R.T. 0.031 min
Lab File: VG241206A08.D
Acq: 6 Dec 2024 10:45 am

Tgt Ion: 43 Resp: 1449

Ion	Ratio	Lower	Upper
43	100		
58	6.8	22.2	33.4#

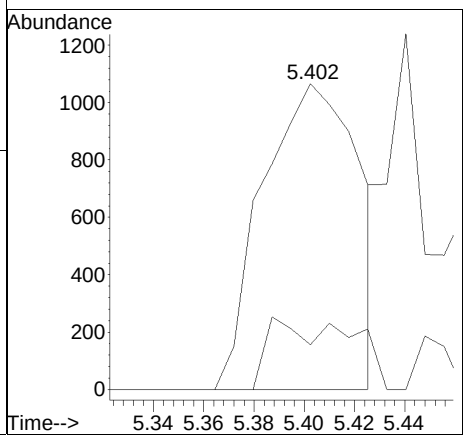




#39
2-Butanone
Concen: 0.56 ug/L
RT: 5.402 min Scan# 569
Delta R.T. 0.030 min
Lab File: VG241206A08.D
Acq: 6 Dec 2024 10:45 am

Tgt Ion: 43 Resp: 2828

Ion	Ratio	Lower	Upper
43	100		
72	10.0	42.6	63.8#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241206A\	QMethod	: G_241003A_8260.m
Data File	: VG241206A08.D	Operator	: GONZO:MJV
Date Inj'd	: 12/6/2024 10:45 am	Instrument	: Gonzo
Sample	: L2470744-03,31,10,10,,A	Quant Date	: 12/9/2024 6:10 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A09.D
Acq On : 6 Dec 2024 11:09 am
Operator : GONZO:MJV
Sample : L2470744-04,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 09 07:23:03 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.056	96	618793	10.000 ug/L	0.00
Standard Area 1 = 642438			Recovery =	96.32%	
59) Chlorobenzene-d5	9.596	117	466540	10.000 ug/L	0.00
Standard Area 1 = 490245			Recovery =	95.16%	
79) 1,4-Dichlorobenzene-d4	12.286	152	260274	10.000 ug/L	0.00
Standard Area 1 = 271382			Recovery =	95.91%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.250	113	151720	9.833 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.33%	
43) 1,2-Dichloroethane-d4	5.775	65	169550	9.537 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.37%	
60) Toluene-d8	7.743	98	593028	9.611 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.11%	
83) 4-Bromofluorobenzene	11.085	95	217394	9.530 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.30%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.505	85	224	N.D.	
3) Chloromethane	1.862	50	113	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.234	94	145	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.017	76	1599	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.609	43	2157	0.636 ug/L #	55
18) trans-1,2-Dichloroethene	0.000		0	N.D. d	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	4.301	43	84	N.D.	
28) cis-1,2-Dichloroethene	4.802	96	78	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	5.060	83	76	N.D.	

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A09.D
Acq On : 6 Dec 2024 11:09 am
Operator : GONZO:MJV
Sample : L2470744-04,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 09 07:23:03 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.402	43	5428	1.050	ug/L	#	46
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	0.000		0	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.	d		
48) Trichloroethene	0.000		0	N.D.	d		
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.	d		
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.800	92	436	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	9.620	112	171	N.D.			
74) Ethylbenzene	9.653	91	165	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	0.000		0	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.266	91	334	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	11.389	105	387	N.D.			
89) 2-Chlorotoluene	11.266	91	334	N.D.			
90) 1,3,5-Trimethylbenzene	11.471	105	75	N.D.			
91) 1,2,3-Trichloropropane	11.290	75	154	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	11.628	91	158	N.D.			
94) tert-Butylbenzene	11.817	119	89	N.D.			

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A09.D
Acq On : 6 Dec 2024 11:09 am
Operator : GONZO:MJV
Sample : L2470744-04,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 09 07:23:03 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.899	105	506		N.D.	
98) sec-Butylbenzene	11.990	105	617		N.D.	
99) p-Isopropyltoluene	12.146	119	391		N.D.	
100) 1,3-Dichlorobenzene	12.236	146	254		N.D.	
101) 1,4-Dichlorobenzene	12.310	146	468		N.D.	
102) p-Diethylbenzene	12.541	119	183		N.D.	
103) n-Butylbenzene	12.598	91	543		N.D.	
104) 1,2-Dichlorobenzene	12.746	146	274		N.D.	
105) 1,2,4,5-Tetramethylben...	13.331	119	286		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	14.104	225	193		N.D.	
109) 1,2,4-Trichlorobenzene	14.161	180	198		N.D.	
110) Naphthalene	14.474	128	1332		N.D.	
111) 1,2,3-Trichlorobenzene	14.606	180	298		N.D.	

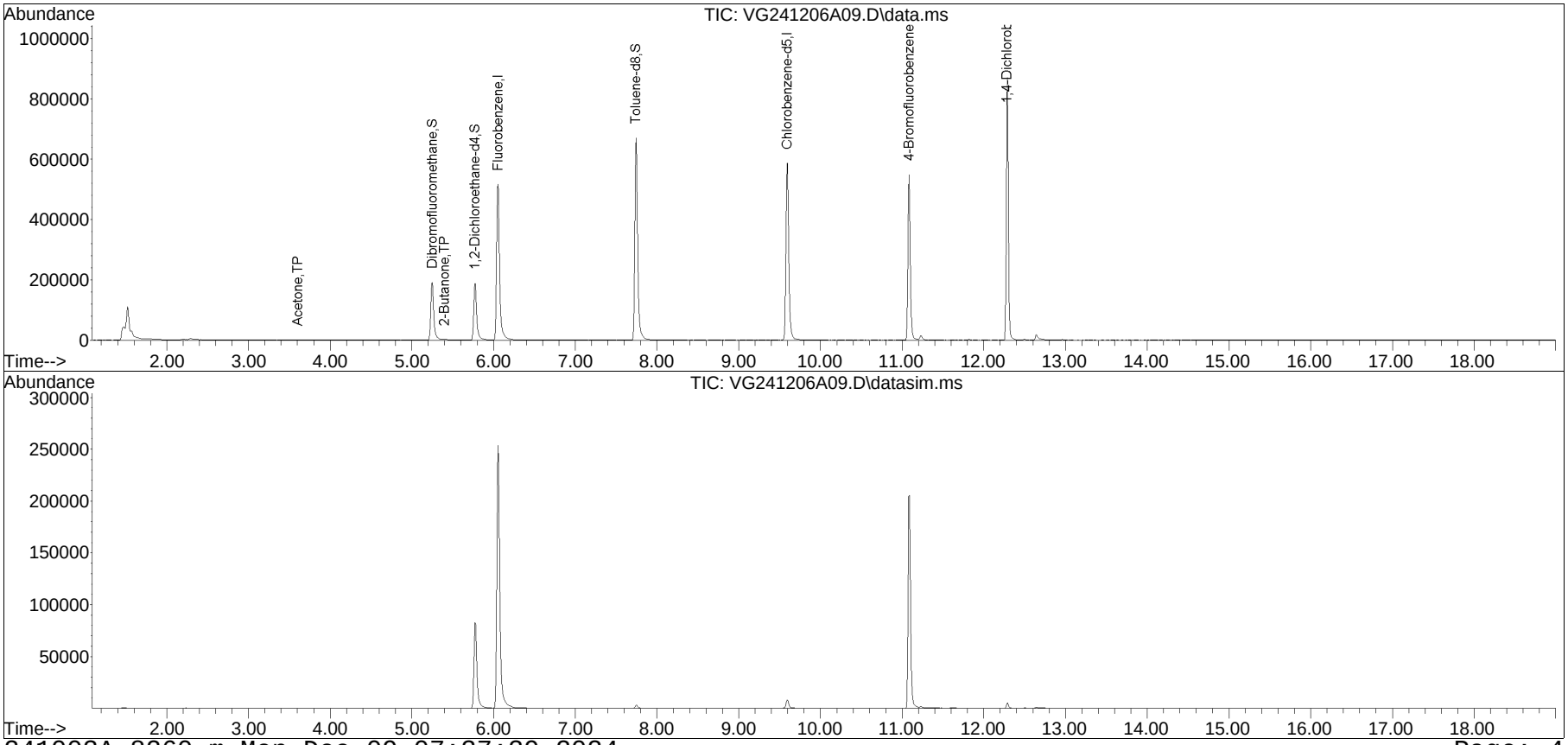
(#) = qualifier out of range (m) = manual integration (+) = signals summed

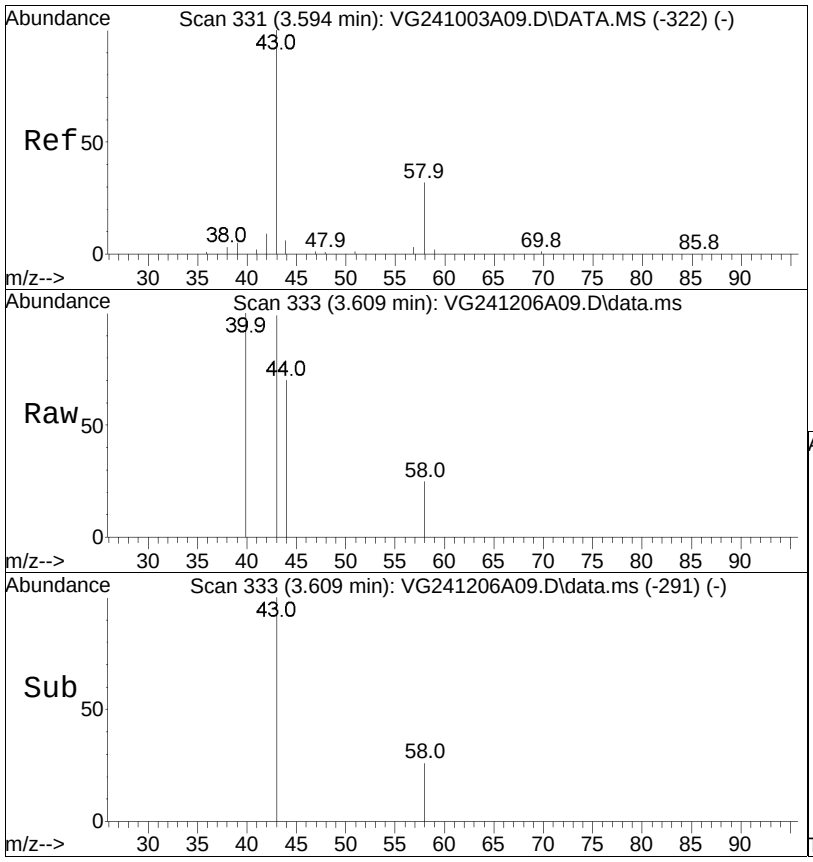
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A09.D
Acq On : 6 Dec 2024 11:09 am
Operator : GONZO:MJV
Sample : L2470744-04,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 09 07:23:03 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1206A02.D•

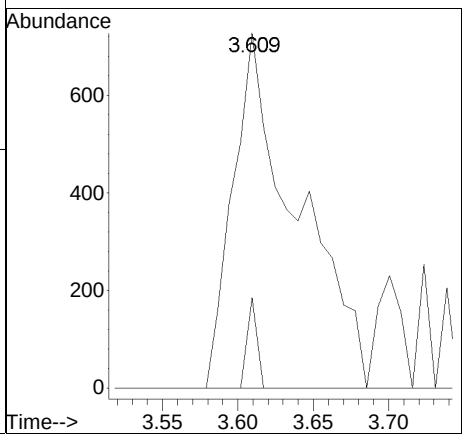


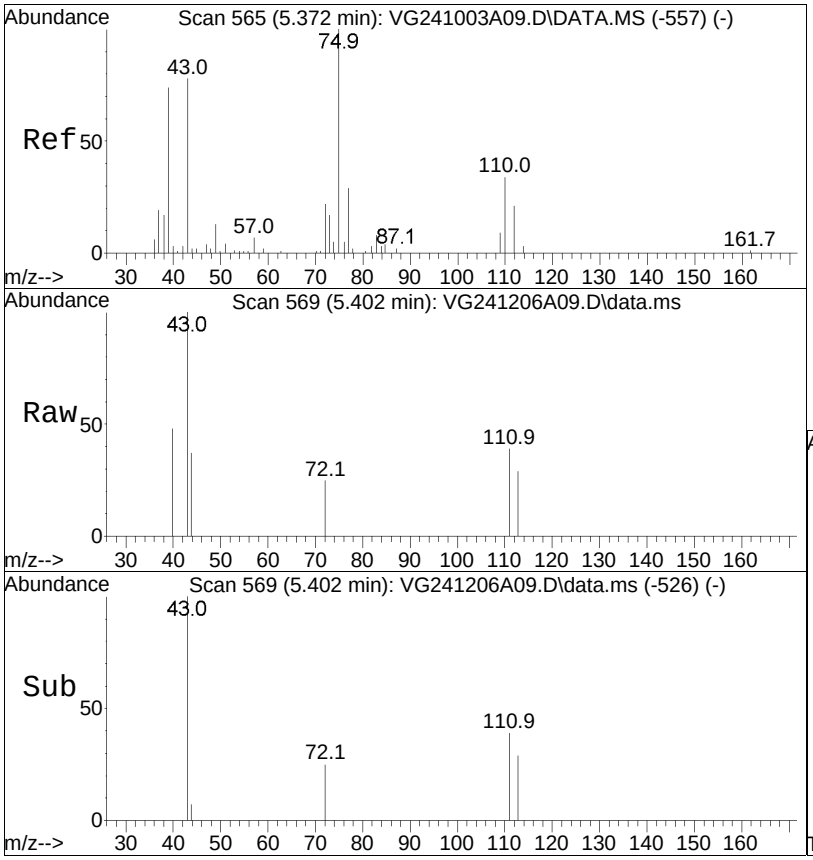


#17
Acetone
Concen: 0.64 ug/L
RT: 3.609 min Scan# 333
Delta R.T. 0.015 min
Lab File: VG241206A09.D
Acq: 6 Dec 2024 11:09 am

Tgt Ion: 43 Resp: 2157

Ion	Ratio	Lower	Upper
43	100		
58	3.9	22.2	33.4#

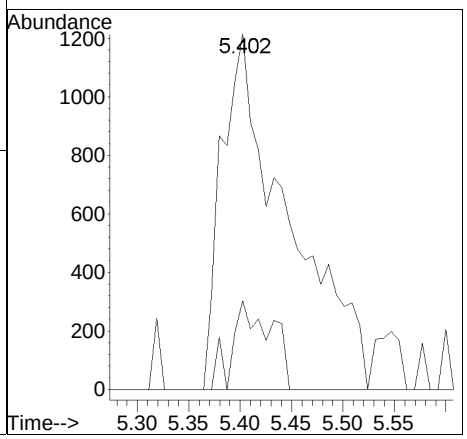




#39
2-Butanone
Concen: 1.05 ug/L
RT: 5.402 min Scan# 569
Delta R.T. 0.030 min
Lab File: VG241206A09.D
Acq: 6 Dec 2024 11:09 am

Tgt Ion: 43 Resp: 5428

Ion	Ratio	Lower	Upper
43	100		
72	14.7	42.6	63.8#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241206A\	QMethod	: G_241003A_8260.m
Data File	: VG241206A09.D	Operator	: GONZO:MJV
Date Inj'd	: 12/6/2024 11:09 am	Instrument	: Gonzo
Sample	: L2470744-04,31,10,10,,A	Quant Date	: 12/9/2024 6:10 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A10.D
Acq On : 6 Dec 2024 11:33 am
Operator : GONZO:MJV
Sample : L2470744-05,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 09 07:23:21 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.056	96	600930	10.000 ug/L	0.00
Standard Area 1 = 642438			Recovery = 93.54%		
59) Chlorobenzene-d5	9.596	117	456189	10.000 ug/L	0.00
Standard Area 1 = 490245			Recovery = 93.05%		
79) 1,4-Dichlorobenzene-d4	12.286	152	252468	10.000 ug/L	0.00
Standard Area 1 = 271382			Recovery = 93.03%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.251	113	150253	10.027 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.27%		
43) 1,2-Dichloroethane-d4	5.775	65	171567	9.937 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.37%		
60) Toluene-d8	7.743	98	577287	9.569 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.69%		
83) 4-Bromofluorobenzene	11.085	95	215395	9.734 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.34%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.490	85	530	N.D.	
3) Chloromethane	1.877	50	212	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.242	94	221	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.025	76	1354	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D.	d
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	4.392	43	72	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	5.083	83	350	N.D.	

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A10.D
Acq On : 6 Dec 2024 11:33 am
Operator : GONZO:MJV
Sample : L2470744-05,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 09 07:23:21 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.403	43	4572	0.910	ug/L	#	31
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	0.000		0	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.	d		
48) Trichloroethene	0.000		0	N.D.	d		
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.808	92	447	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	0.000		0	N.D.			
74) Ethylbenzene	9.662	91	79	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	0.000		0	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.249	91	93	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	11.406	105	86	N.D.			
89) 2-Chlorotoluene	11.249	91	93	N.D.			
90) 1,3,5-Trimethylbenzene	11.406	105	86	N.D.			
91) 1,2,3-Trichloropropane	11.611	75	92	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	11.628	91	86	N.D.			
94) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A10.D
Acq On : 6 Dec 2024 11:33 am
Operator : GONZO:MJV
Sample : L2470744-05,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 09 07:23:21 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.908	105	583	N.D.		
98) sec-Butylbenzene	11.998	105	207	N.D.		
99) p-Isopropyltoluene	12.130	119	510	N.D.		
100) 1,3-Dichlorobenzene	12.228	146	79	N.D.		
101) 1,4-Dichlorobenzene	12.302	146	530	N.D.		
102) p-Diethylbenzene	12.541	119	83	N.D.		
103) n-Butylbenzene	12.599	91	281	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
105) 1,2,4,5-Tetramethylben...	13.323	119	96	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108) Hexachlorobutadiene	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	14.170	180	131	N.D.		
110) Naphthalene	14.458	128	232	N.D.		
111) 1,2,3-Trichlorobenzene	14.614	180	210	N.D.		

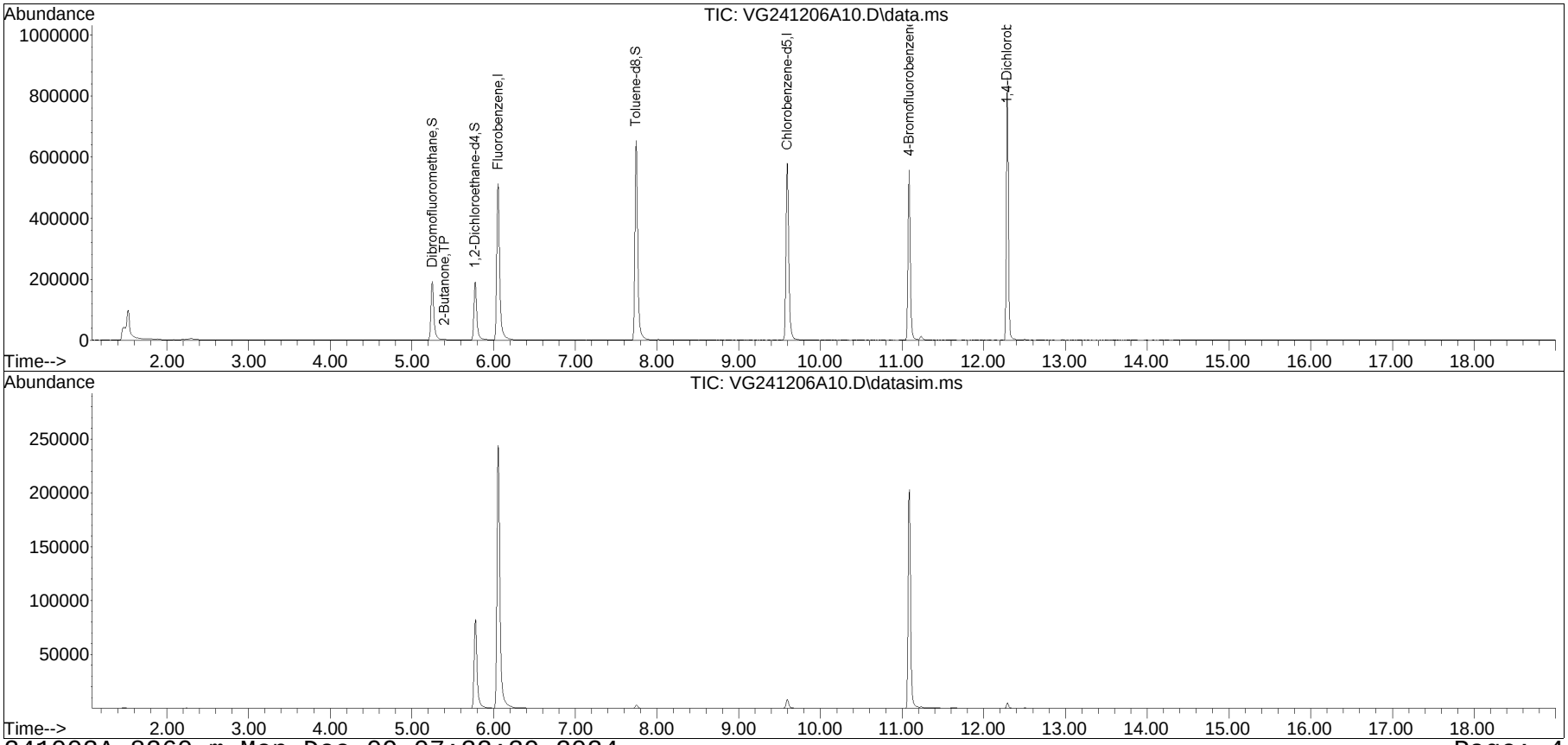
(#) = qualifier out of range (m) = manual integration (+) = signals summed

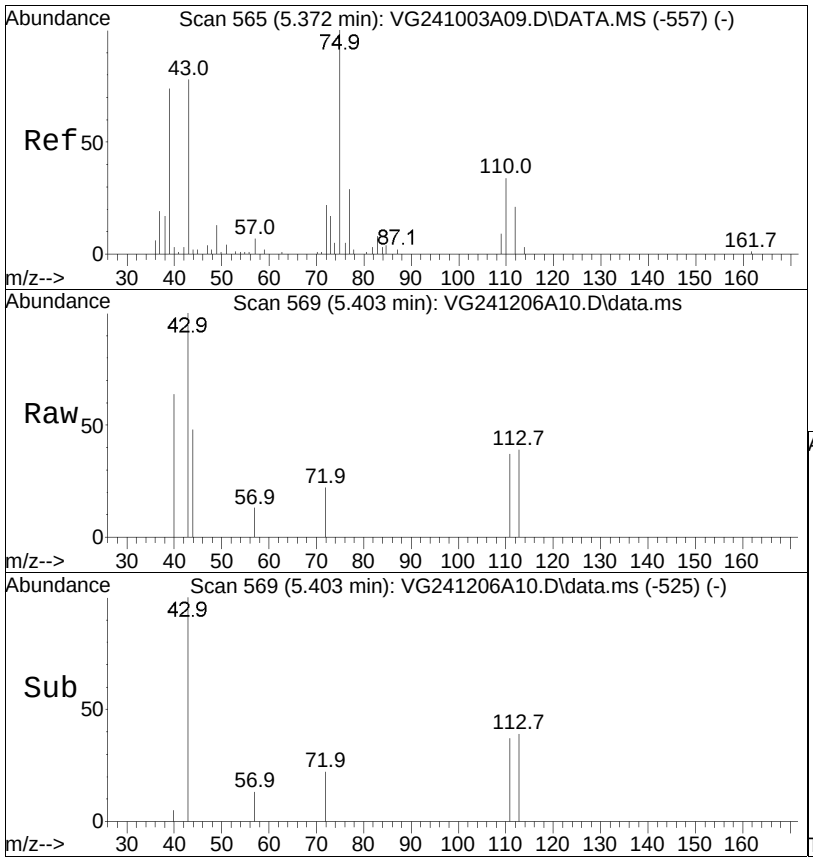
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A10.D
Acq On : 6 Dec 2024 11:33 am
Operator : GONZO:MJV
Sample : L2470744-05,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 09 07:23:21 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1206A02.D•

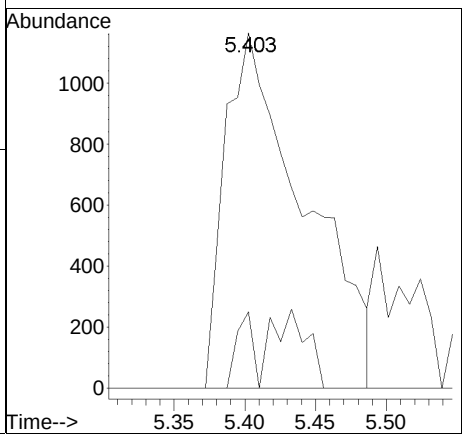




#39
2-Butanone
Concen: 0.91 ug/L
RT: 5.403 min Scan# 569
Delta R.T. 0.031 min
Lab File: VG241206A10.D
Acq: 6 Dec 2024 11:33 am

Tgt Ion: 43 Resp: 4572

Ion	Ratio	Lower	Upper
43	100		
72	4.4	42.6	63.8#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241206A\	QMethod	: G_241003A_8260.m
Data File	: VG241206A10.D	Operator	: GONZO:MJV
Date Inj'd	: 12/6/2024 11:33 am	Instrument	: Gonzo
Sample	: L2470744-05,31,10,10,,A	Quant Date	: 12/9/2024 6:10 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A11.D
Acq On : 6 Dec 2024 11:57 am
Operator : GONZO:MJV
Sample : L2470744-06,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 09 07:23:56 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.056	96	565261	10.000 ug/L	0.00
Standard Area 1 = 642438			Recovery = 87.99%		
59) Chlorobenzene-d5	9.596	117	428089	10.000 ug/L	0.00
Standard Area 1 = 490245			Recovery = 87.32%		
79) 1,4-Dichlorobenzene-d4	12.286	152	240300	10.000 ug/L	0.00
Standard Area 1 = 271382			Recovery = 88.55%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.250	113	141951	10.071 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.71%		
43) 1,2-Dichloroethane-d4	5.775	65	164292	10.117 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.17%		
60) Toluene-d8	7.743	98	546791	9.658 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.58%		
83) 4-Bromofluorobenzene	11.085	95	201506	9.568 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.68%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.490	85	253	N.D.	
3) Chloromethane	1.862	50	368	N.D.	
4) Vinyl chloride	1.930	62	73	N.D.	
5) Bromomethane	2.242	94	315	N.D.	
6) Chloroethane	2.143	64	72	Below Cal #	41
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.024	76	760	N.D.	
15) Methylene chloride	3.549	84	73	N.D.	
17) Acetone	3.609	43	2507	0.809 ug/L #	77
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	4.316	43	81	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A11.D
Acq On : 6 Dec 2024 11:57 am
Operator : GONZO:MJV
Sample : L2470744-06,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 09 07:23:56 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.387	43	4053	0.858	ug/L	#	32
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	0.000		0	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.	d		
48) Trichloroethene	0.000		0	N.D.	d		
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.808	92	407	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	0.000		0	N.D.			
74) Ethylbenzene	9.596	91	843	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	10.780	105	175	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.266	91	170	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	0.000		0	N.D.			
89) 2-Chlorotoluene	11.266	91	170	N.D.			
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
91) 1,2,3-Trichloropropane	11.315	75	91	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	0.000		0	N.D.			
94) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A11.D
Acq On : 6 Dec 2024 11:57 am
Operator : GONZO:MJV
Sample : L2470744-06,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 09 07:23:56 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.907	105	548		N.D.	
98) sec-Butylbenzene	11.981	105	76		N.D.	
99) p-Isopropyltoluene	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	12.228	146	91		N.D.	
101) 1,4-Dichlorobenzene	12.302	146	380		N.D.	
102) p-Diethylbenzene	0.000		0		N.D.	
103) n-Butylbenzene	0.000		0		N.D.	
104) 1,2-Dichlorobenzene	12.763	146	83		N.D.	
105) 1,2,4,5-Tetramethylben...	13.322	119	77		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
110) Naphthalene	14.449	128	170		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

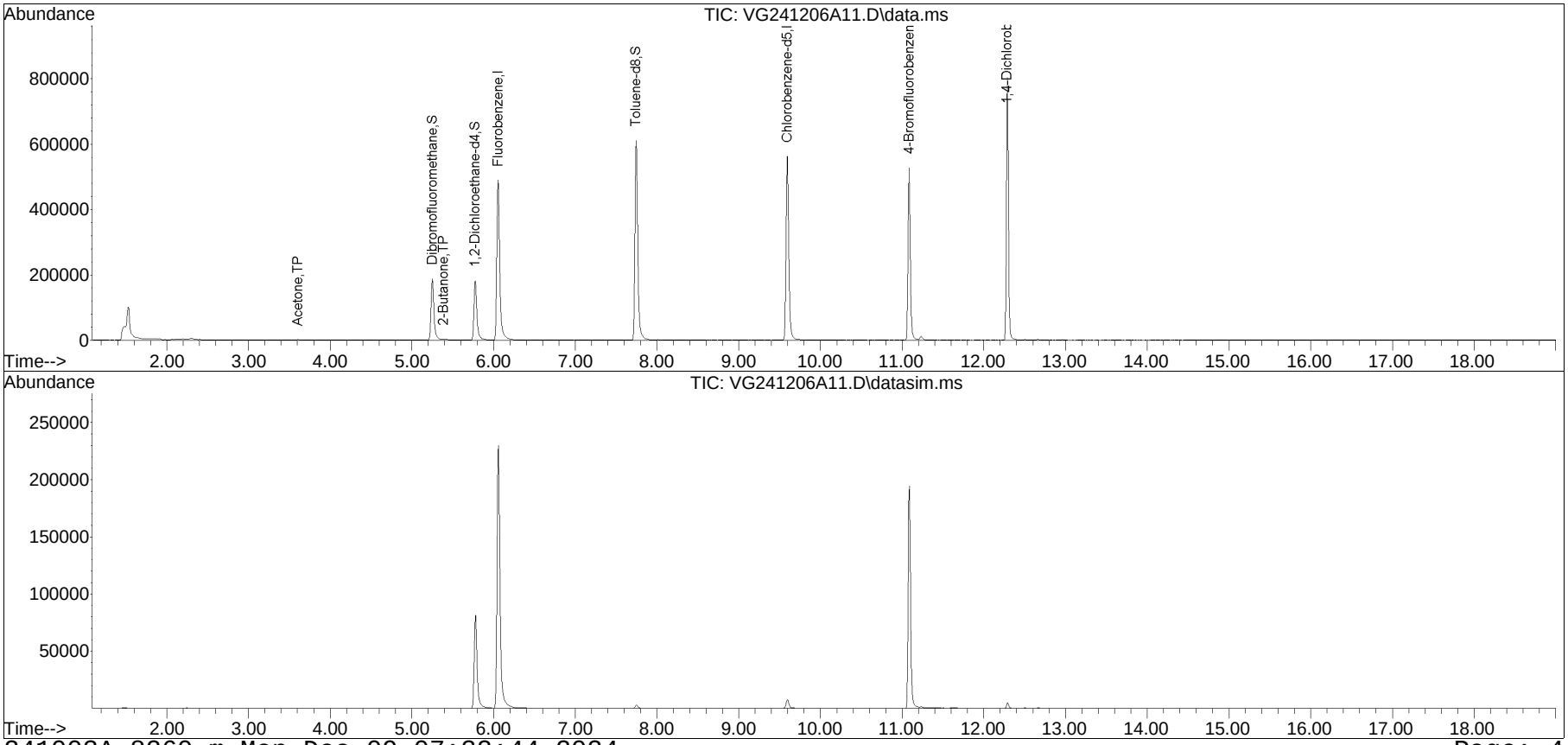
(#) = qualifier out of range (m) = manual integration (+) = signals summed

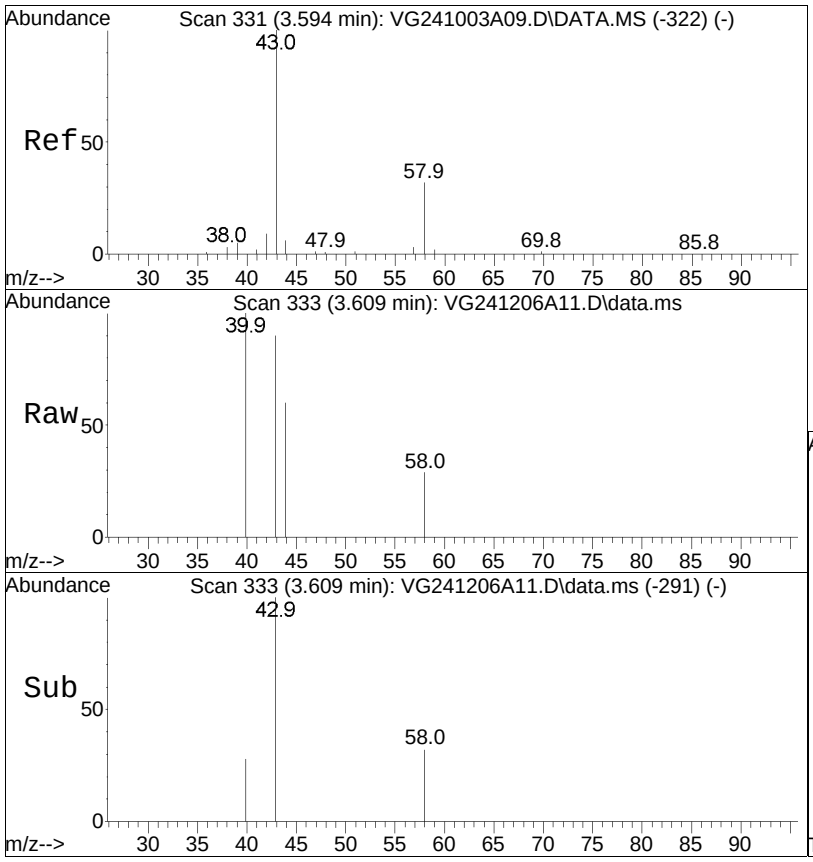
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A11.D
Acq On : 6 Dec 2024 11:57 am
Operator : GONZO:MJV
Sample : L2470744-06,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 09 07:23:56 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1206A02.D•

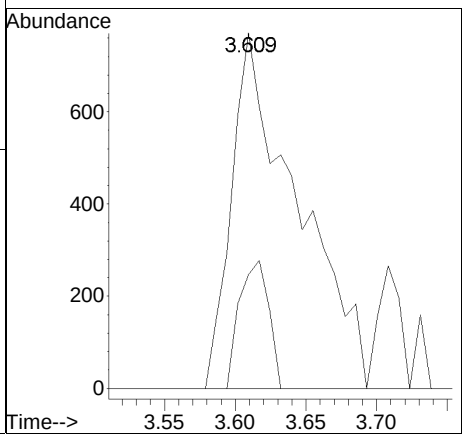


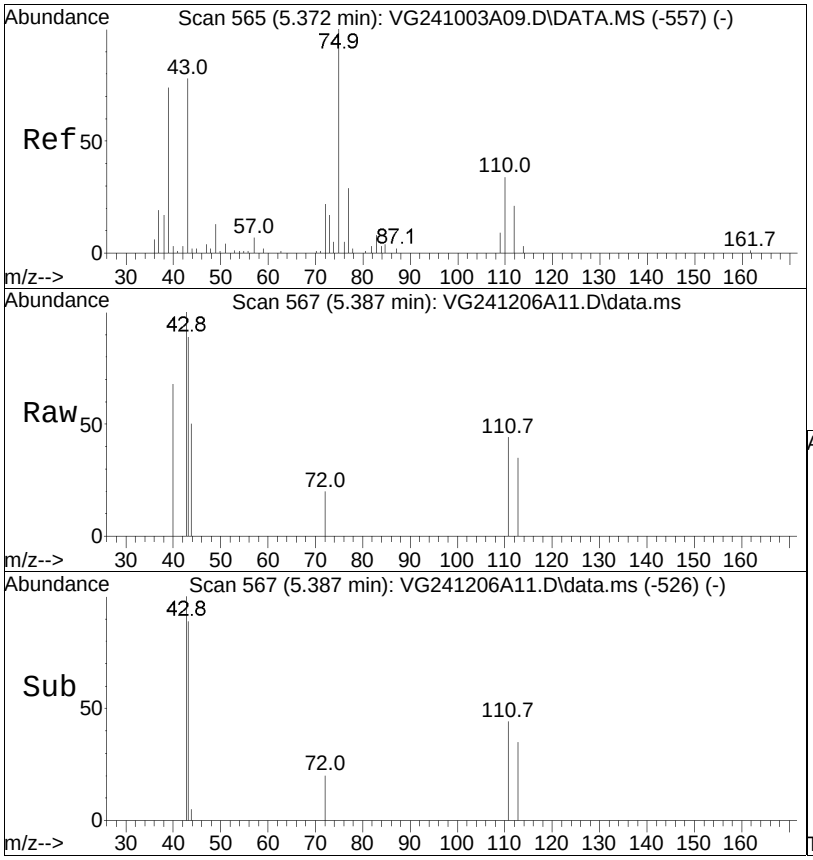


#17
Acetone
Concen: 0.81 ug/L
RT: 3.609 min Scan# 333
Delta R.T. 0.015 min
Lab File: VG241206A11.D
Acq: 6 Dec 2024 11:57 am

Tgt Ion: 43 Resp: 2507

Ion	Ratio	Lower	Upper
43	100		
58	15.9	22.2	33.4#

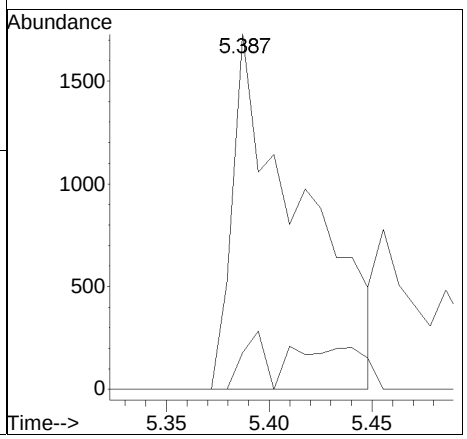




#39
2-Butanone
Concen: 0.86 ug/L
RT: 5.387 min Scan# 567
Delta R.T. 0.015 min
Lab File: VG241206A11.D
Acq: 6 Dec 2024 11:57 am

Tgt Ion: 43 Resp: 4053

Ion	Ratio	Lower	Upper
43	100		
72	5.2	42.6	63.8#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241206A\	QMethod	: G_241003A_8260.m
Data File	: VG241206A11.D	Operator	: GONZO:MJV
Date Inj'd	: 12/6/2024 11:57 am	Instrument	: Gonzo
Sample	: L2470744-06,31,10,10,,A	Quant Date	: 12/9/2024 6:11 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A12.D
Acq On : 6 Dec 2024 12:21 pm
Operator : GONZO:MJV
Sample : L2470744-07,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 09 07:24:27 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	554959	10.000	ug/L	0.00
Standard Area 1 = 642438			Recovery = 86.38%			
59) Chlorobenzene-d5	9.596	117	418554	10.000	ug/L	0.00
Standard Area 1 = 490245			Recovery = 85.38%			
79) 1,4-Dichlorobenzene-d4	12.286	152	229297	10.000	ug/L	0.00
Standard Area 1 = 271382			Recovery = 84.49%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.250	113	139765	10.100	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.00%			
43) 1,2-Dichloroethane-d4	5.775	65	166968	10.472	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.72%			
60) Toluene-d8	7.743	98	530625	9.586	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.86%			
83) 4-Bromofluorobenzene	11.085	95	193527	9.630	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.497	85	176	N.D.		
3) Chloromethane	1.855	50	169	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.242	94	448	N.D.		
6) Chloroethane	2.098	64	84	Below Cal #		41
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.024	76	1183	N.D.		
15) Methylene chloride	3.556	84	280	N.D.		
17) Acetone	3.617	43	1710	0.562	ug/L	95
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	5.076	83	1722	0.087	ug/L #	85

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A12.D
Acq On : 6 Dec 2024 12:21 pm
Operator : GONZO:MJV
Sample : L2470744-07,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 09 07:24:27 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.395	43	5198	1.121	ug/L	#	40
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	5.661	78	72	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.	d		
48) Trichloroethene	0.000		0	N.D.	d		
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.822	92	165	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	0.000		0	N.D.			
74) Ethylbenzene	9.596	91	654	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	0.000		0	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.274	91	95	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	11.414	105	78	N.D.			
89) 2-Chlorotoluene	11.274	91	95	N.D.			
90) 1,3,5-Trimethylbenzene	11.414	105	78	N.D.			
91) 1,2,3-Trichloropropane	11.323	75	78	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	0.000		0	N.D.			
94) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A12.D
Acq On : 6 Dec 2024 12:21 pm
Operator : GONZO:MJV
Sample : L2470744-07,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 09 07:24:27 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.907	105	216	N.D.		
98)	sec-Butylbenzene	11.998	105	107	N.D.		
99)	p-Isopropyltoluene	12.286	119	95	N.D.		
100)	1,3-Dichlorobenzene	12.228	146	92	N.D.		
101)	1,4-Dichlorobenzene	12.228	146	92	N.D.		
102)	p-Diethylbenzene	12.286	119	95	N.D.		
103)	n-Butylbenzene	0.000		0	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
105)	1,2,4,5-Tetramethylben...	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
110)	Naphthalene	14.474	128	174	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

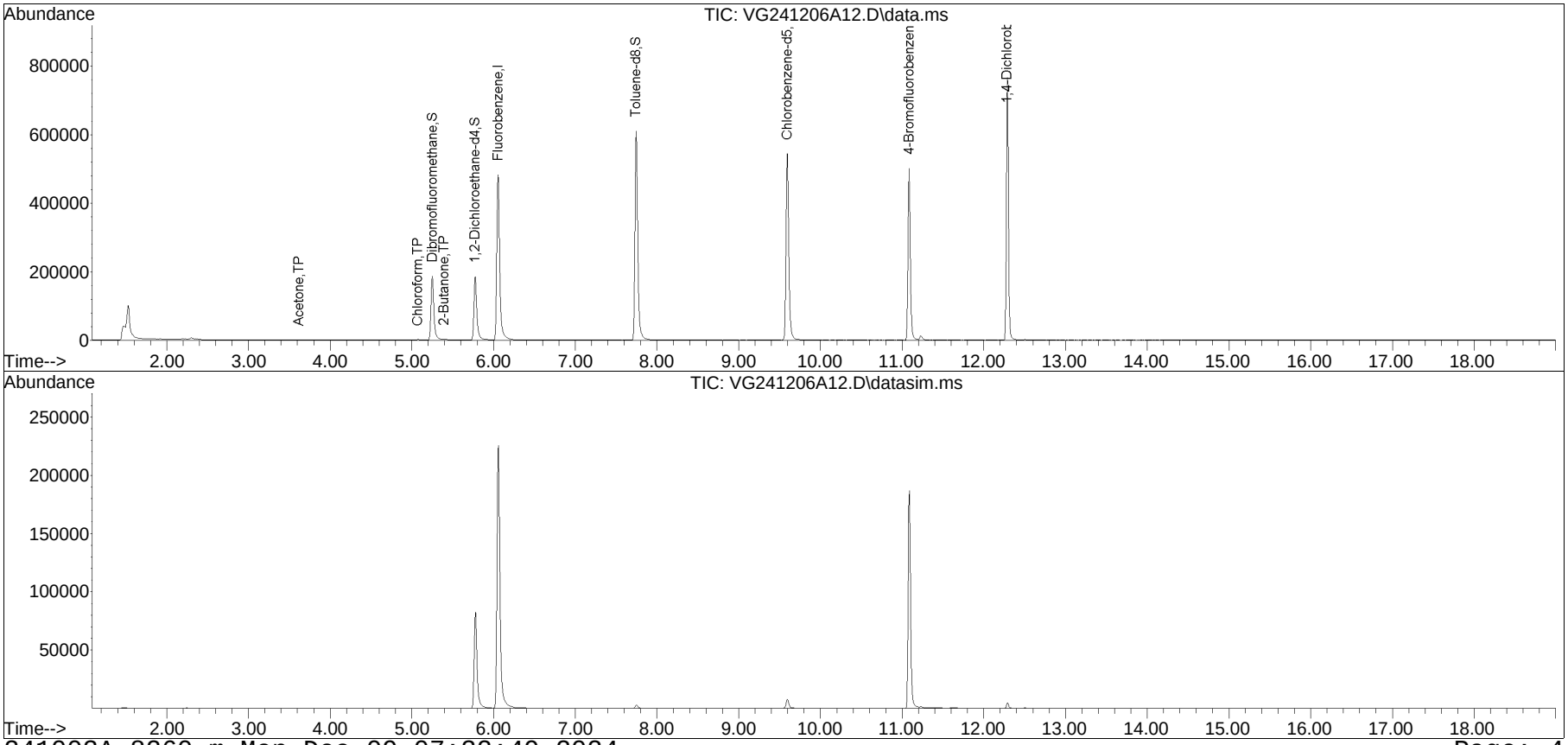
(#) = qualifier out of range (m) = manual integration (+) = signals summed

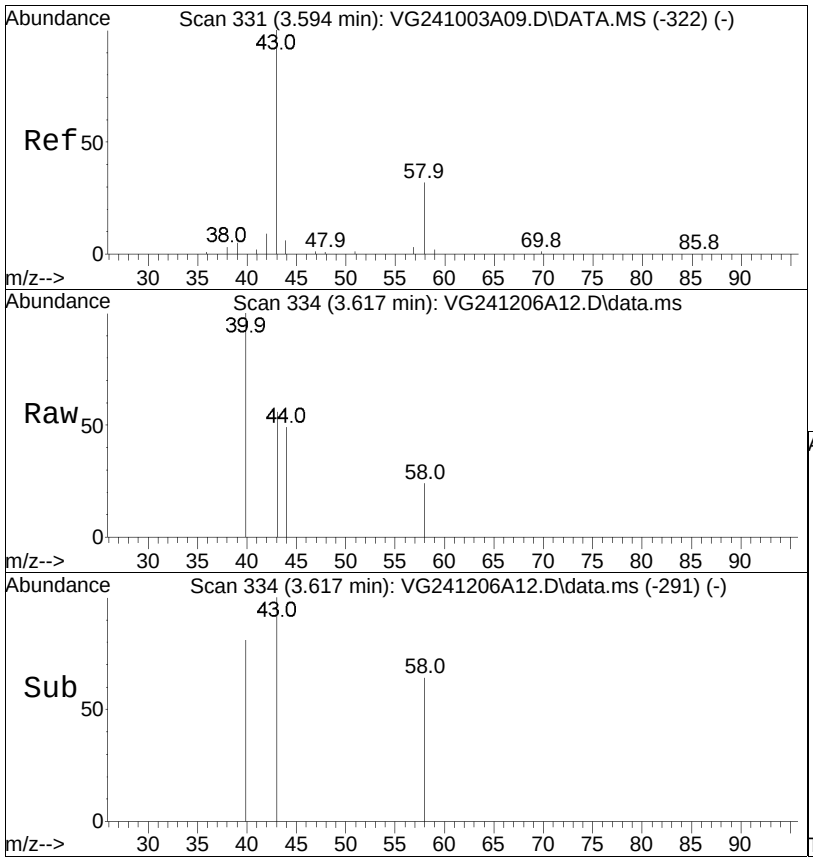
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A12.D
Acq On : 6 Dec 2024 12:21 pm
Operator : GONZO:MJV
Sample : L2470744-07,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 09 07:24:27 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1206A02.D•

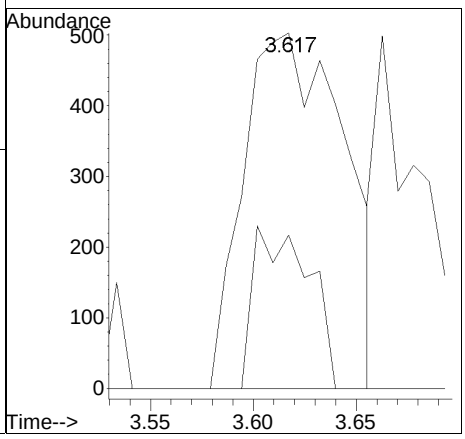


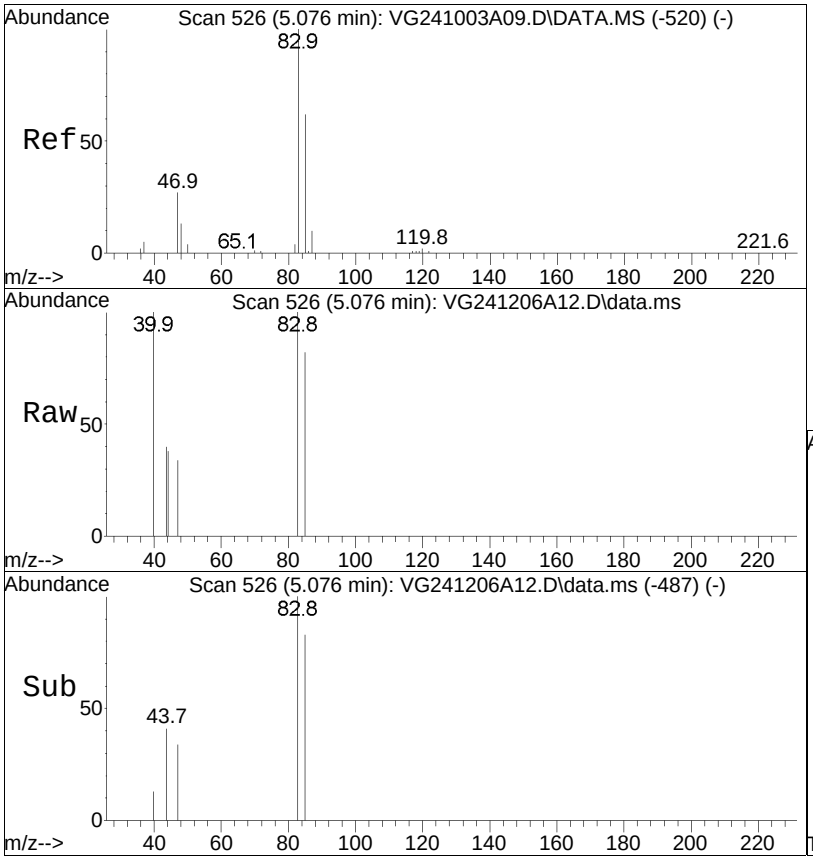


#17
Acetone
Concen: 0.56 ug/L
RT: 3.617 min Scan# 334
Delta R.T. 0.023 min
Lab File: VG241206A12.D
Acq: 6 Dec 2024 12:21 pm

Tgt Ion: 43 Resp: 1710

Ion	Ratio	Lower	Upper
43	100		
58	25.3	22.2	33.4

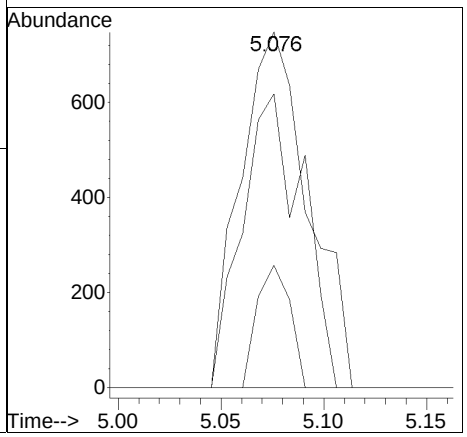


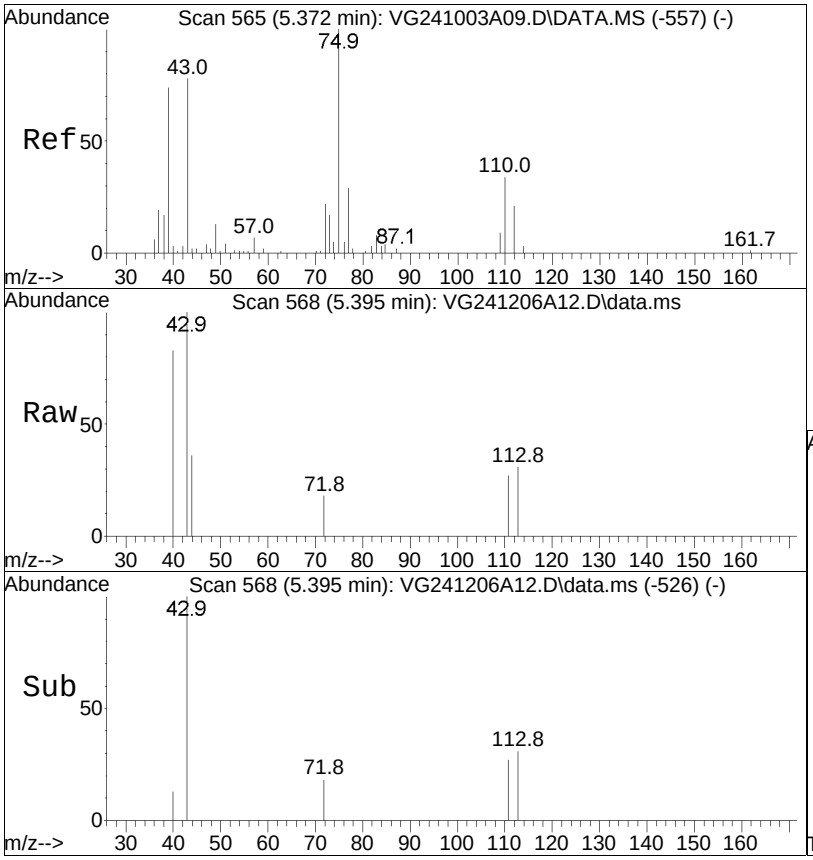


#32
Chloroform
Concen: 0.09 ug/L
RT: 5.076 min Scan# 526
Delta R.T. -0.000 min
Lab File: VG241206A12.D
Acq: 6 Dec 2024 12:21 pm

Tgt Ion: 83 Resp: 1722

Ion	Ratio	Lower	Upper
83	100		
85	73.6	41.4	86.0
47	16.8	15.1	31.3
48	0.0	7.7	16.1#

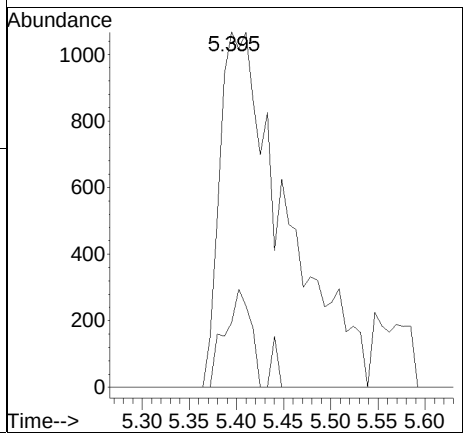




#39
2-Butanone
Concen: 1.12 ug/L
RT: 5.395 min Scan# 568
Delta R.T. 0.023 min
Lab File: VG241206A12.D
Acq: 6 Dec 2024 12:21 pm

Tgt Ion: 43 Resp: 5198

Ion	Ratio	Lower	Upper
43	100		
72	10.8	42.6	63.8#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241206A\	QMethod	: G_241003A_8260.m
Data File	: VG241206A12.D	Operator	: GONZO:MJV
Date Inj'd	: 12/6/2024 12:21 pm	Instrument	: Gonzo
Sample	: L2470744-07,31,10,10,,A	Quant Date	: 12/9/2024 6:11 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A13.D
Acq On : 6 Dec 2024 12:45 pm
Operator : GONZO:MJV
Sample : L2470744-08,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 09 07:24:53 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	559241	10.000	ug/L	0.00
Standard Area 1 = 642438			Recovery = 87.05%			
59) Chlorobenzene-d5	9.596	117	419813	10.000	ug/L	0.00
Standard Area 1 = 490245			Recovery = 85.63%			
79) 1,4-Dichlorobenzene-d4	12.286	152	232434	10.000	ug/L	0.00
Standard Area 1 = 271382			Recovery = 85.65%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.250	113	139895	10.032	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.32%			
43) 1,2-Dichloroethane-d4	5.775	65	169637	10.558	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.58%			
60) Toluene-d8	7.743	98	531874	9.580	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.80%			
83) 4-Bromofluorobenzene	11.085	95	201745	9.903	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.03%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.482	85	94	N.D.		
3) Chloromethane	1.854	50	252	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.234	94	213	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.024	76	618	N.D.		
15) Methylene chloride	3.556	84	69	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	3.792	73	3364	0.093	ug/L #	75
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	5.076	83	2295	0.115	ug/L #	88

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A13.D
Acq On : 6 Dec 2024 12:45 pm
Operator : GONZO:MJV
Sample : L2470744-08,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 09 07:24:53 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.402	43	3518	0.753	ug/L	#	52
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	0.000		0	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.		d	
48) Trichloroethene	0.000		0	N.D.		d	
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.		d	
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	0.000		0	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	0.000		0	N.D.			
74) Ethylbenzene	9.596	91	800	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	0.000		0	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.085	91	492	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	0.000		0	N.D.			
89) 2-Chlorotoluene	0.000		0	N.D.			
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
91) 1,2,3-Trichloropropane	11.611	75	111	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	0.000		0	N.D.			
94) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A13.D
Acq On : 6 Dec 2024 12:45 pm
Operator : GONZO:MJV
Sample : L2470744-08,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 09 07:24:53 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.990	105	111	N.D.		
98)	sec-Butylbenzene	11.990	105	111	N.D.		
99)	p-Isopropyltoluene	12.146	119	96	N.D.		
100)	1,3-Dichlorobenzene	12.294	146	240	N.D.		
101)	1,4-Dichlorobenzene	12.294	146	240	N.D.		
102)	p-Diethylbenzene	0.000		0	N.D.		
103)	n-Butylbenzene	0.000		0	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
105)	1,2,4,5-Tetramethylben...	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
110)	Naphthalene	14.466	128	172	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

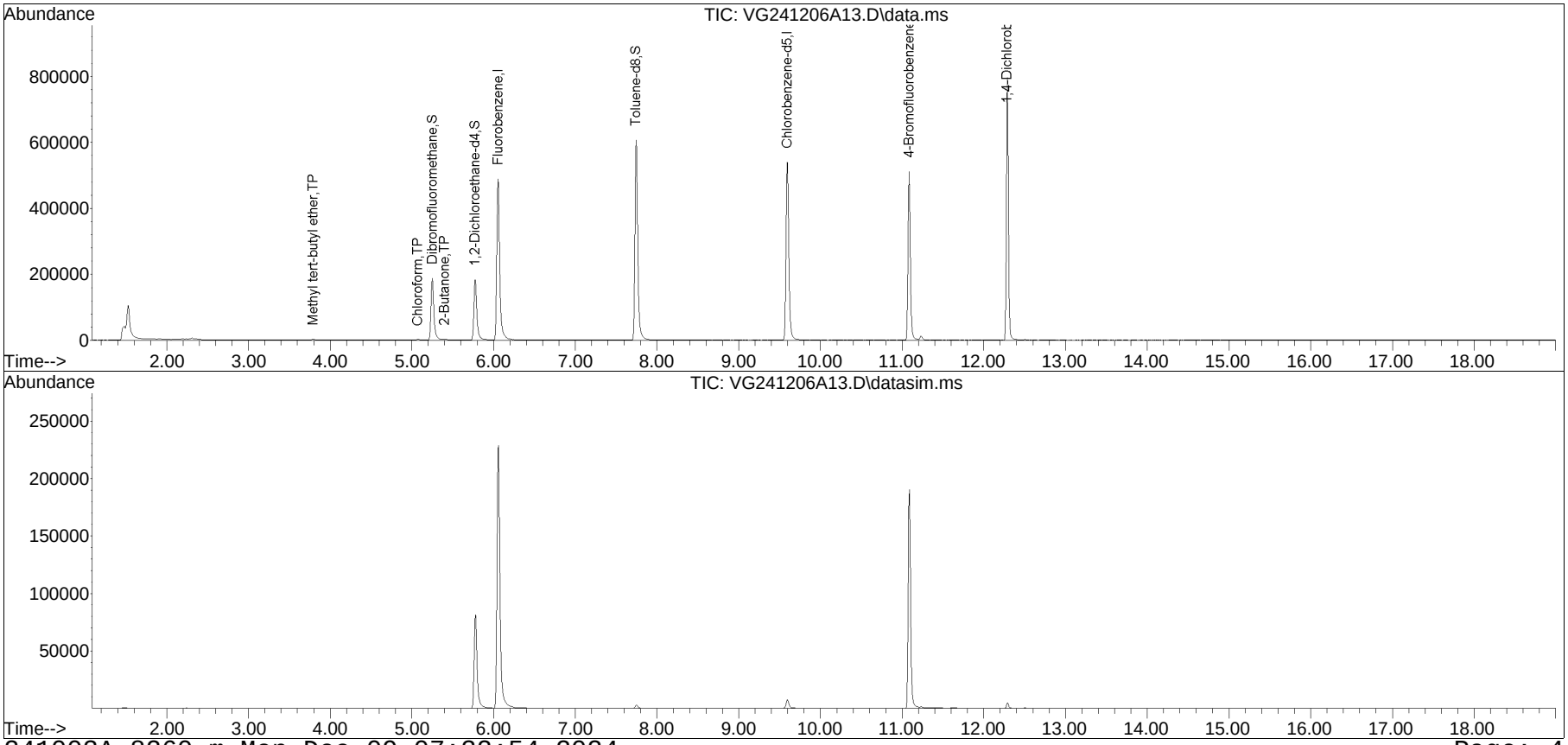
(#) = qualifier out of range (m) = manual integration (+) = signals summed

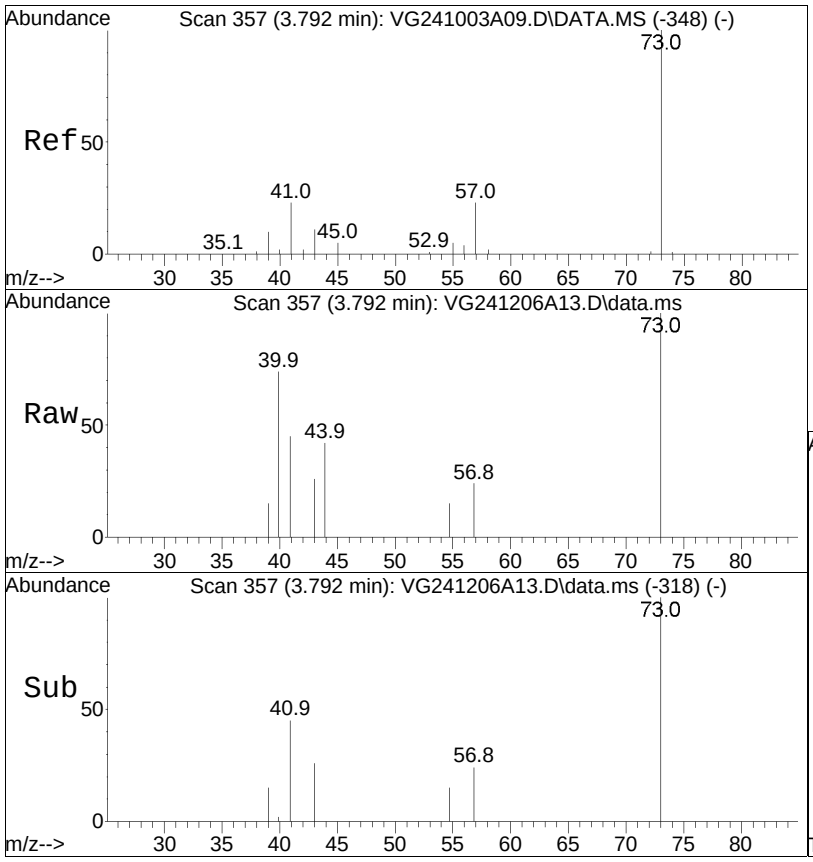
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A13.D
Acq On : 6 Dec 2024 12:45 pm
Operator : GONZO:MJV
Sample : L2470744-08,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 09 07:24:53 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1206A02.D•

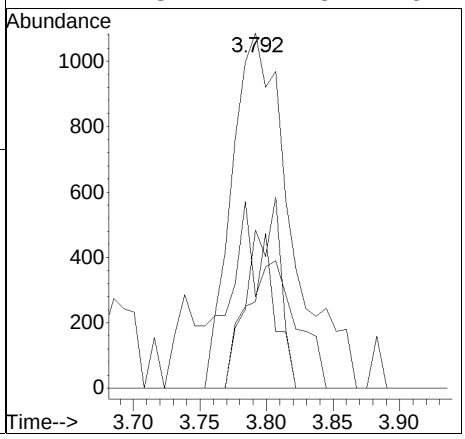


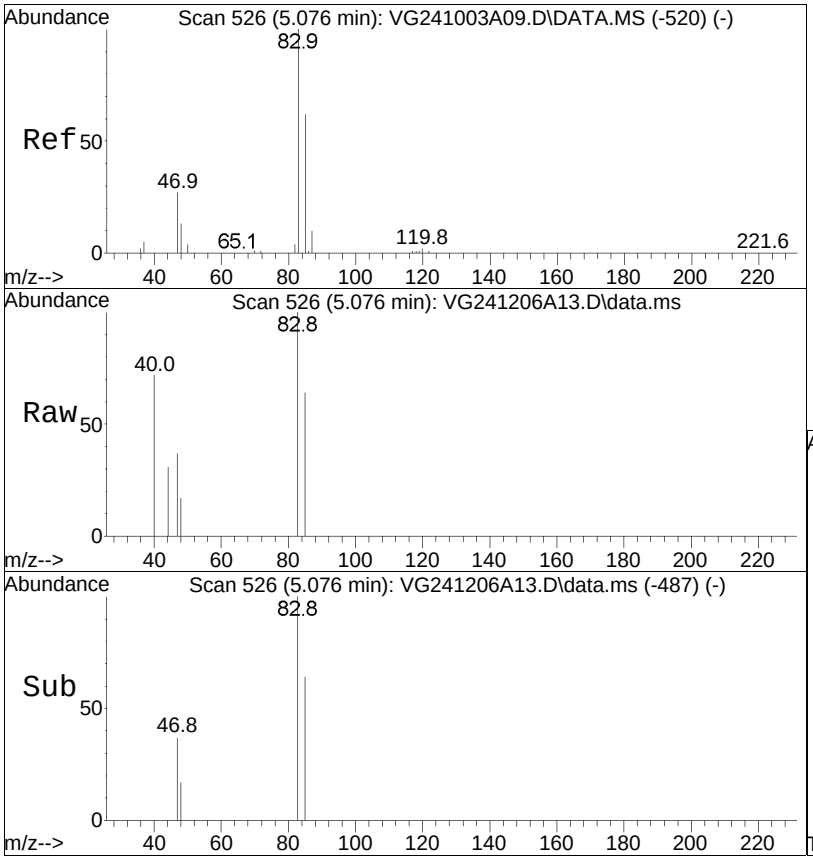


#20
Methyl tert-butyl ether
Concen: 0.09 ug/L
RT: 3.792 min Scan# 357
Delta R.T. -0.000 min
Lab File: VG241206A13.D
Acq: 6 Dec 2024 12:45 pm

Tgt Ion: 73 Resp: 3364

Ion	Ratio	Lower	Upper
73	100		
57	20.8	12.5	26.1
43	43.1	13.0	27.0#
41	28.2	12.5	26.1#

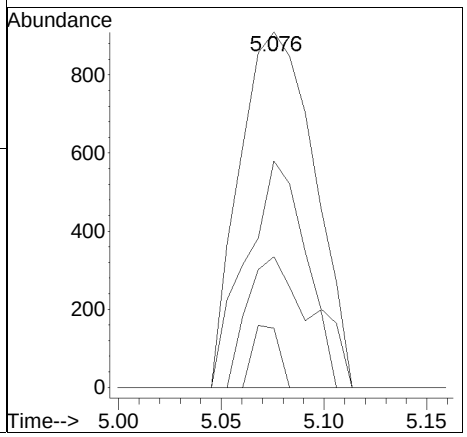


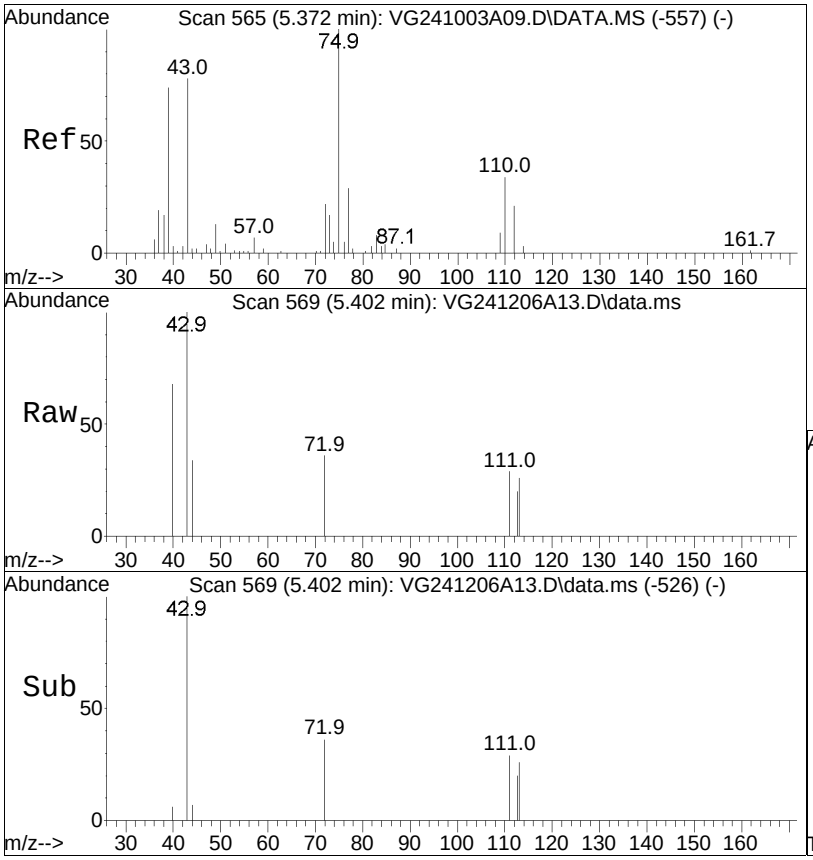


#32
Chloroform
Concen: 0.11 ug/L
RT: 5.076 min Scan# 526
Delta R.T. -0.000 min
Lab File: VG241206A13.D
Acq: 6 Dec 2024 12:45 pm

Tgt Ion: 83 Resp: 2295

Ion	Ratio	Lower	Upper
83	100		
85	54.4	41.4	86.0
47	28.7	15.1	31.3
48	6.2	7.7	16.1#

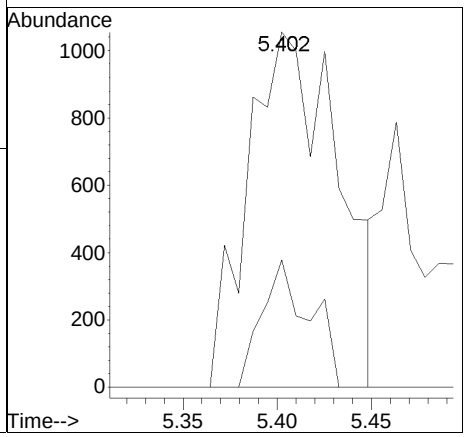




#39
2-Butanone
Concen: 0.75 ug/L
RT: 5.402 min Scan# 569
Delta R.T. 0.030 min
Lab File: VG241206A13.D
Acq: 6 Dec 2024 12:45 pm

Tgt Ion: 43 Resp: 3518

Ion	Ratio	Lower	Upper
43	100		
72	19.0	42.6	63.8#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241206A\	QMethod	: G_241003A_8260.m
Data File	: VG241206A13.D	Operator	: GONZO:MJV
Date Inj'd	: 12/6/2024 12:45 pm	Instrument	: Gonzo
Sample	: L2470744-08,31,10,10,,A	Quant Date	: 12/9/2024 6:11 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A14.D
Acq On : 6 Dec 2024 1:09 pm
Operator : GONZO:MJV
Sample : L2470744-09,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 09 07:25:14 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.056	96	539267	10.000 ug/L	0.00
Standard Area 1 = 642438			Recovery = 83.94%		
59) Chlorobenzene-d5	9.596	117	409341	10.000 ug/L	0.00
Standard Area 1 = 490245			Recovery = 83.50%		
79) 1,4-Dichlorobenzene-d4	12.286	152	223698	10.000 ug/L	0.00
Standard Area 1 = 271382			Recovery = 82.43%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.250	113	138082	10.268 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.68%		
43) 1,2-Dichloroethane-d4	5.775	65	163529	10.555 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.55%		
60) Toluene-d8	7.743	98	521529	9.634 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.34%		
83) 4-Bromofluorobenzene	11.085	95	188873	9.634 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.34%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.467	85	258	N.D.	
3) Chloromethane	1.877	50	93	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.234	94	176	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.017	76	556	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D.	d
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A14.D
Acq On : 6 Dec 2024 1:09 pm
Operator : GONZO:MJV
Sample : L2470744-09,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 09 07:25:14 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.395	43	2966	0.658	ug/L	#	39
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	0.000		0	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.	d		
48) Trichloroethene	0.000		0	N.D.	d		
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.822	92	64	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	9.147	43	74	N.D.			
73) Chlorobenzene	0.000		0	N.D.			
74) Ethylbenzene	9.678	91	95	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	0.000		0	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.085	91	519	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	0.000		0	N.D.			
89) 2-Chlorotoluene	0.000		0	N.D.			
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
91) 1,2,3-Trichloropropane	11.628	75	87	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	0.000		0	N.D.			
94) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A14.D
Acq On : 6 Dec 2024 1:09 pm
Operator : GONZO:MJV
Sample : L2470744-09,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 09 07:25:14 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.907	105	79	N.D.		
98)	sec-Butylbenzene	11.907	105	79	N.D.		
99)	p-Isopropyltoluene	12.294	119	89	N.D.		
100)	1,3-Dichlorobenzene	12.294	146	254	N.D.		
101)	1,4-Dichlorobenzene	12.294	146	254	N.D.		
102)	p-Diethylbenzene	12.294	119	89	N.D.		
103)	n-Butylbenzene	0.000		0	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
105)	1,2,4,5-Tetramethylben...	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
110)	Naphthalene	0.000		0	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

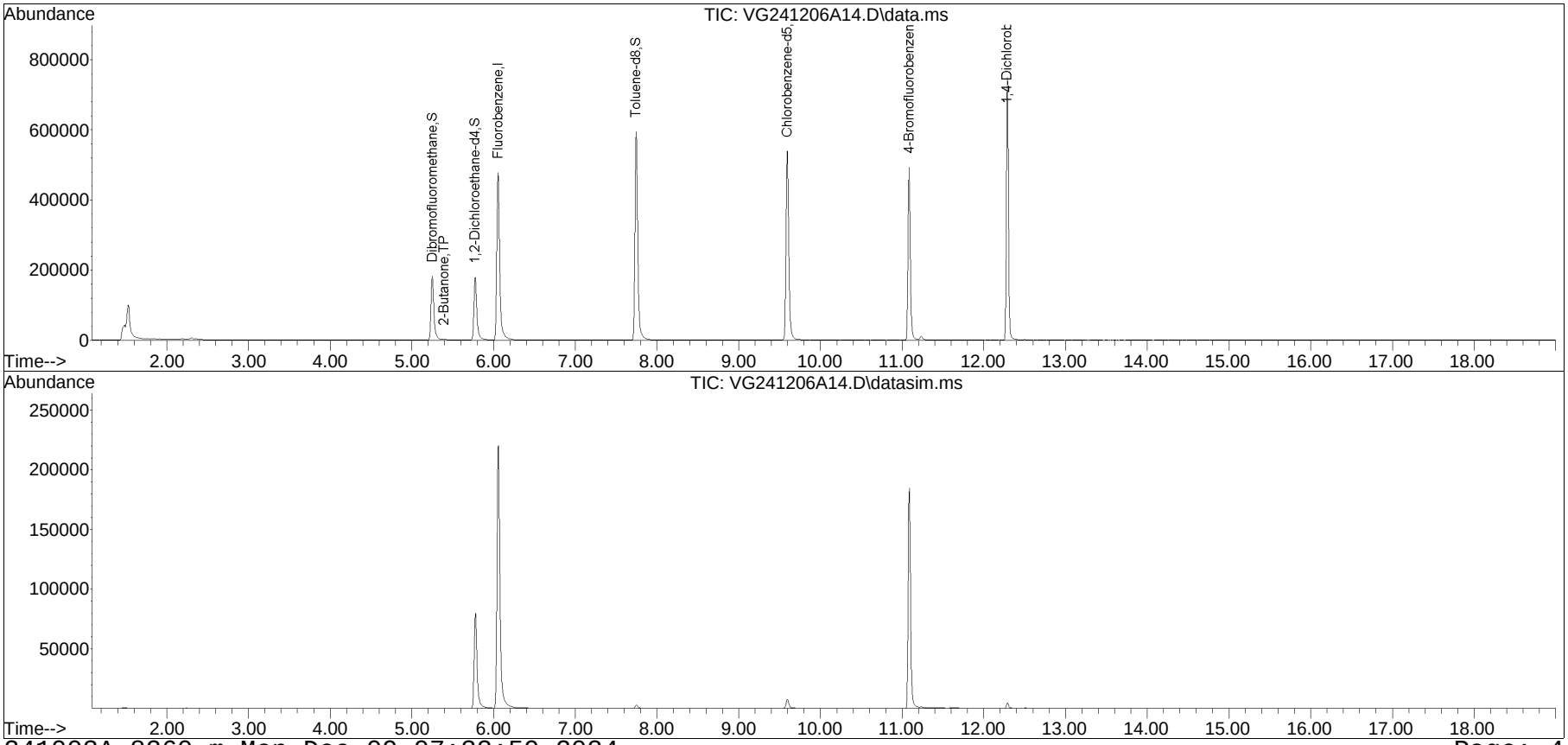
(#) = qualifier out of range (m) = manual integration (+) = signals summed

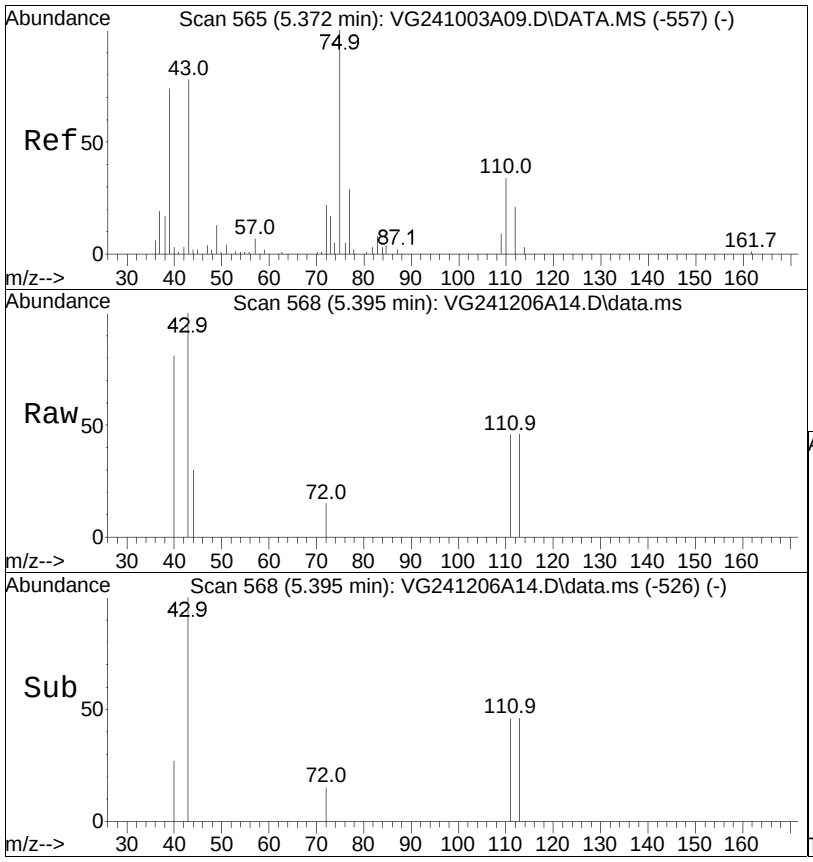
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A14.D
Acq On : 6 Dec 2024 1:09 pm
Operator : GONZO:MJV
Sample : L2470744-09,31,10,10,,A
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 09 07:25:14 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1206A02.D•

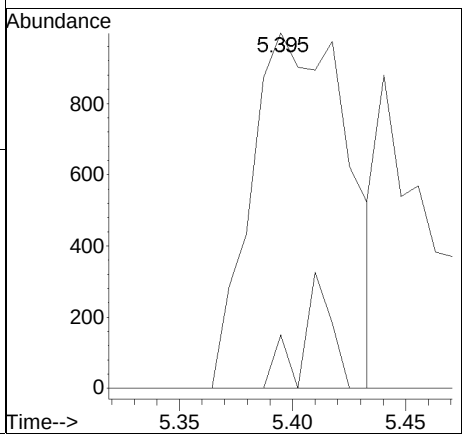




#39
2-Butanone
Concen: 0.66 ug/L
RT: 5.395 min Scan# 568
Delta R.T. 0.023 min
Lab File: VG241206A14.D
Acq: 6 Dec 2024 1:09 pm

Tgt Ion: 43 Resp: 2966

Ion	Ratio	Lower	Upper
43	100		
72	10.1	42.6	63.8#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241206A\	QMethod	: G_241003A_8260.m
Data File	: VG241206A14.D	Operator	: GONZO:MJV
Date Inj'd	: 12/6/2024 1:09 pm	Instrument	: Gonzo
Sample	: L2470744-09,31,10,10,,A	Quant Date	: 12/9/2024 6:11 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A06.D
Acq On : 7 Dec 2024 2:19 pm
Operator : GONZO:MJV
Sample : l2470744-21,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 07:44:55 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	449152	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 95.91%			
59) Chlorobenzene-d5	9.596	117	345537	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 95.19%			
79) 1,4-Dichlorobenzene-d4	12.286	152	196983	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 92.94%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.251	113	115730	10.333	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.33%			
43) 1,2-Dichloroethane-d4	5.775	65	132632	10.278	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.78%			
60) Toluene-d8	7.743	98	435146	9.522	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.22%			
83) 4-Bromofluorobenzene	11.085	95	163962	9.497	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.97%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.475	85	318	N.D.		
3) Chloromethane	1.855	50	290	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.242	94	265	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.025	76	971	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.610	43	3469	1.410	ug/L	91
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A06.D
Acq On : 7 Dec 2024 2:19 pm
Operator : GONZO:MJV
Sample : l2470744-21,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 07:44:55 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.410	43	3102	0.826	ug/L	#	28
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	0.000		0	N.D.		d	
44) 1,2-Dichloroethane	0.000		0	N.D.		d	
48) Trichloroethene	0.000		0	N.D.		d	
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.801	92	770	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	9.621	112	102	N.D.			
74) Ethylbenzene	9.654	91	296	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	10.772	105	180	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.282	91	623	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	11.381	105	405	N.D.			
89) 2-Chlorotoluene	11.282	91	623	N.D.			
90) 1,3,5-Trimethylbenzene	11.488	105	202	N.D.			
91) 1,2,3-Trichloropropane	11.603	75	182	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	11.611	91	90	N.D.			
94) tert-Butylbenzene	11.792	119	469	N.D.			

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A06.D
Acq On : 7 Dec 2024 2:19 pm
Operator : GONZO:MJV
Sample : l2470744-21,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 07:44:55 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	11.891	105	396	N.D.			
98)	sec-Butylbenzene	11.982	105	782	N.D.			
99)	p-Isopropyltoluene	12.130	119	826	N.D.			
100)	1,3-Dichlorobenzene	12.228	146	342	N.D.			
101)	1,4-Dichlorobenzene	12.319	146	601	N.D.			
102)	p-Diethylbenzene	12.525	119	426	N.D.			
103)	n-Butylbenzene	12.599	91	837	N.D.			
104)	1,2-Dichlorobenzene	12.763	146	176	N.D.			
105)	1,2,4,5-Tetramethylben...	13.323	119	700	N.D.			
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108)	Hexachlorobutadiene	14.104	225	470	0.112	ug/L	#	48
109)	1,2,4-Trichlorobenzene	14.153	180	610	N.D.			
110)	Naphthalene	14.450	128	1509	N.D.			
111)	1,2,3-Trichlorobenzene	14.614	180	658	0.071	ug/L		87

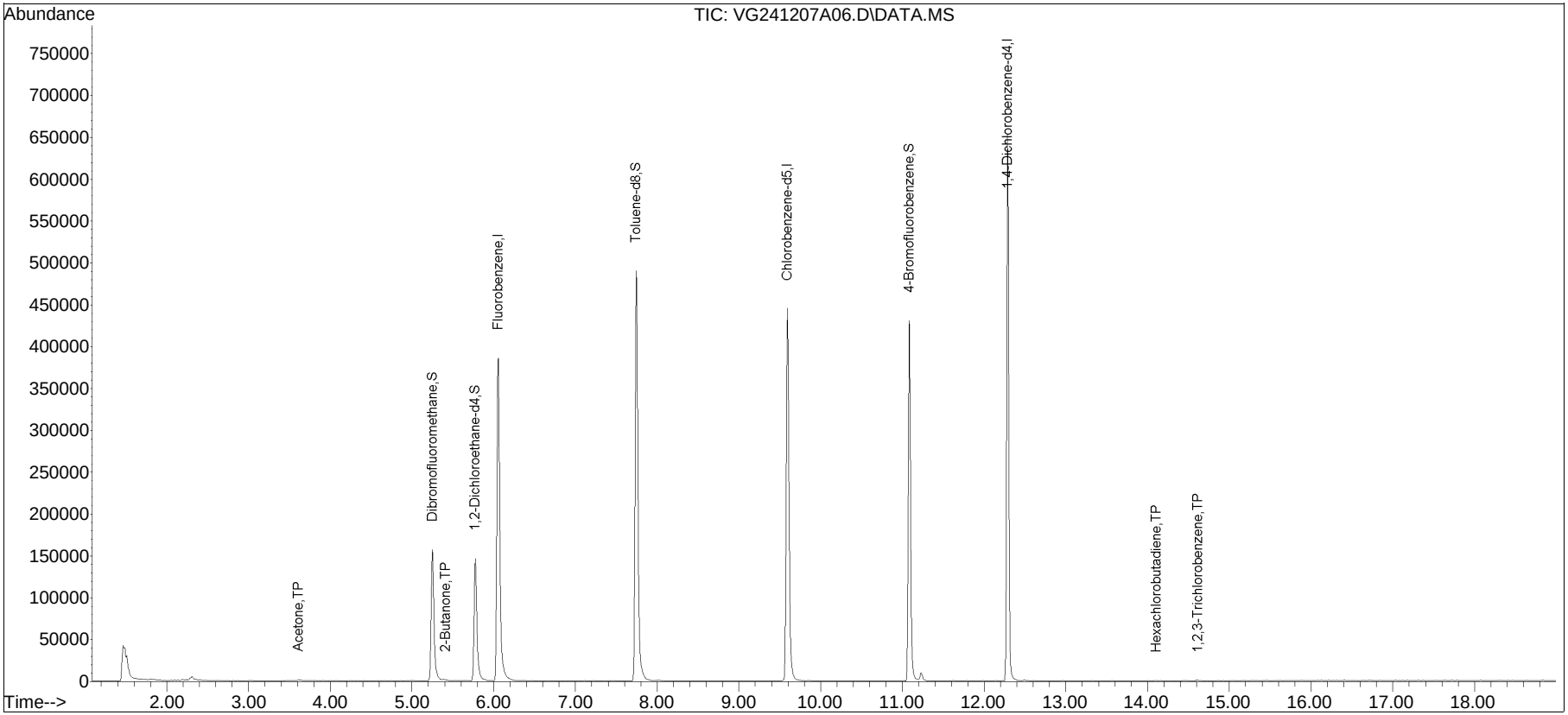
(#) = qualifier out of range (m) = manual integration (+) = signals summed

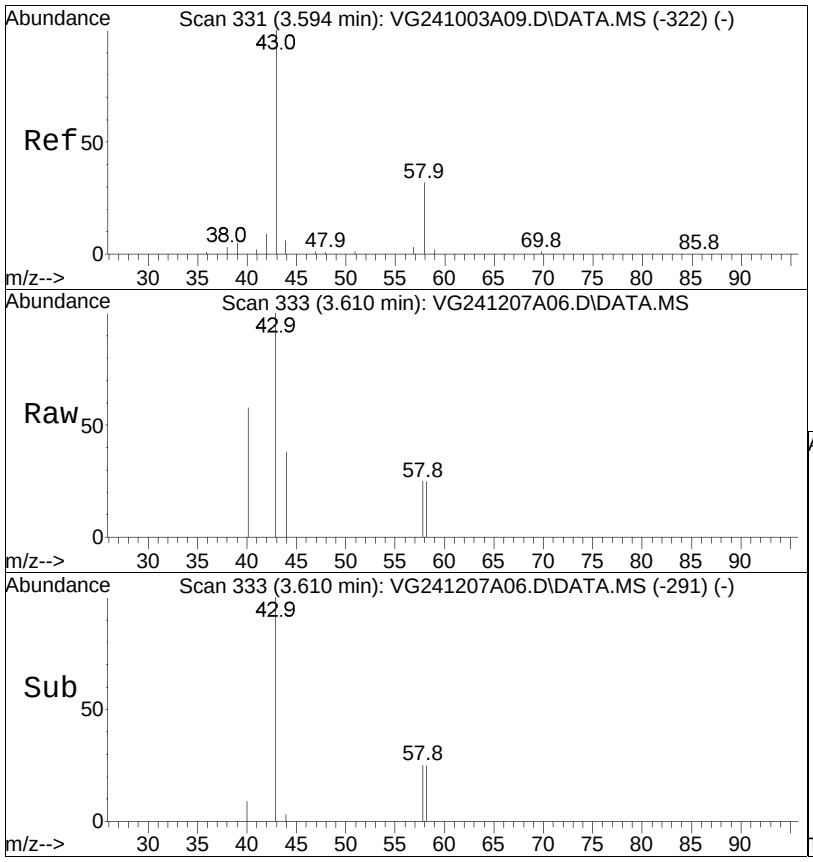
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A06.D
Acq On : 7 Dec 2024 2:19 pm
Operator : GONZO:MJV
Sample : l2470744-21,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 07:44:55 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

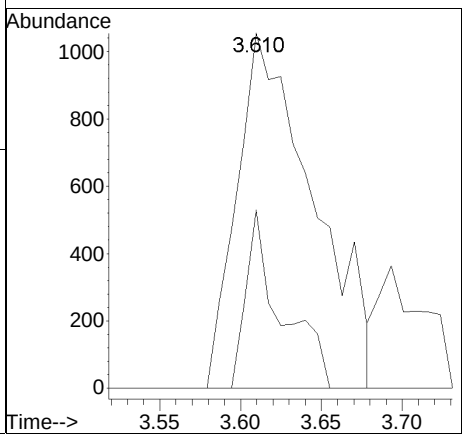


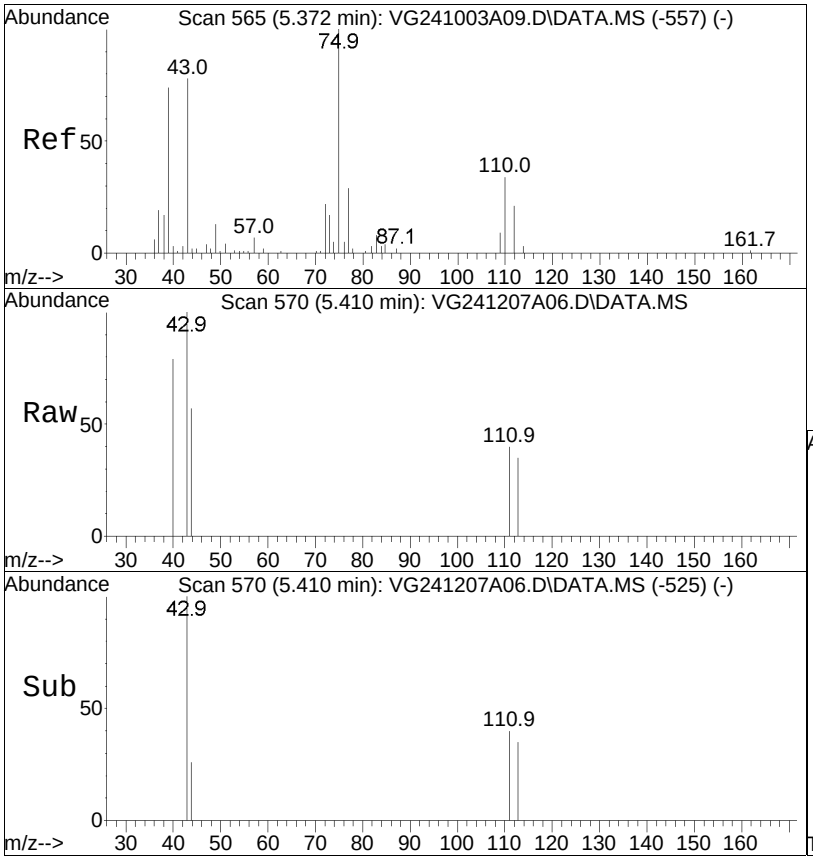


#17
Acetone
Concen: 1.41 ug/L
RT: 3.610 min Scan# 333
Delta R.T. 0.016 min
Lab File: VG241207A06.D
Acq: 7 Dec 2024 2:19 pm

Tgt Ion: 43 Resp: 3469

Ion	Ratio	Lower	Upper
43	100		
58	23.2	22.2	33.4

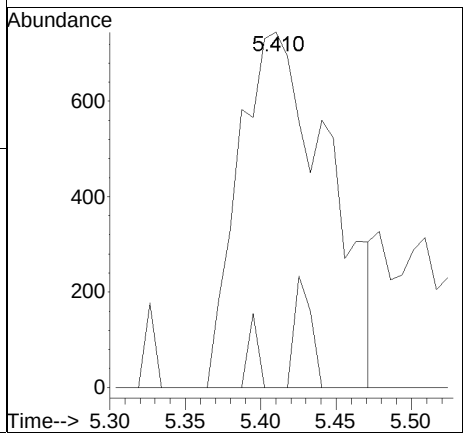


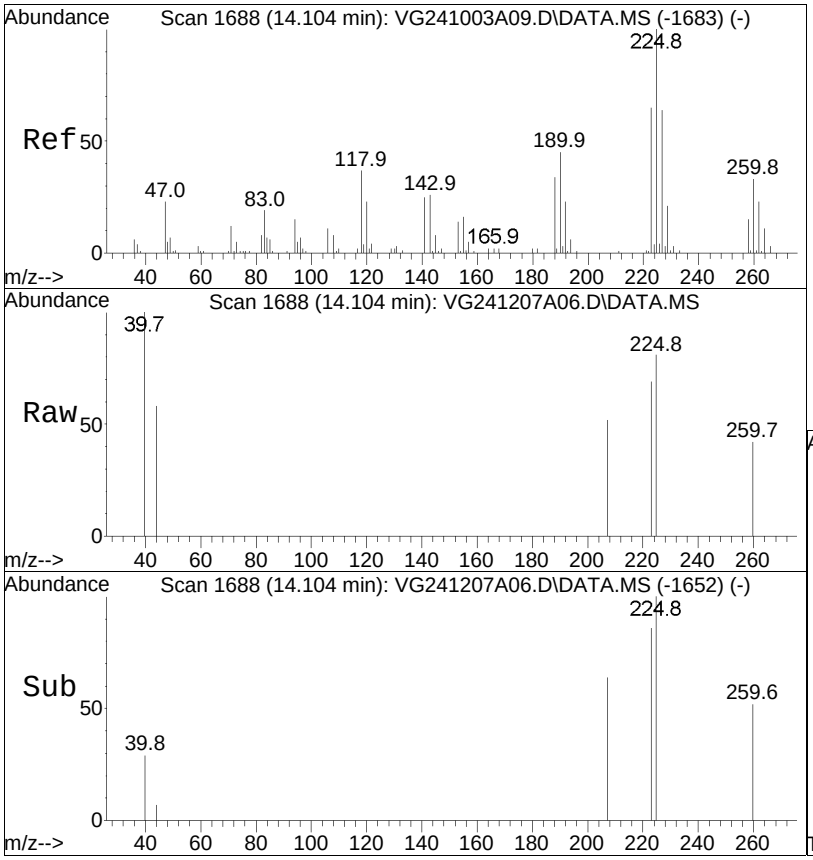


#39
2-Butanone
Concen: 0.83 ug/L
RT: 5.410 min Scan# 570
Delta R.T. 0.038 min
Lab File: VG241207A06.D
Acq: 7 Dec 2024 2:19 pm

Tgt Ion: 43 Resp: 3102

Ion	Ratio	Lower	Upper
43	100		
72	2.3	42.6	63.8#

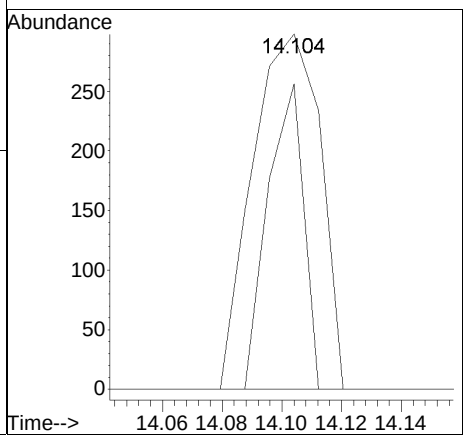


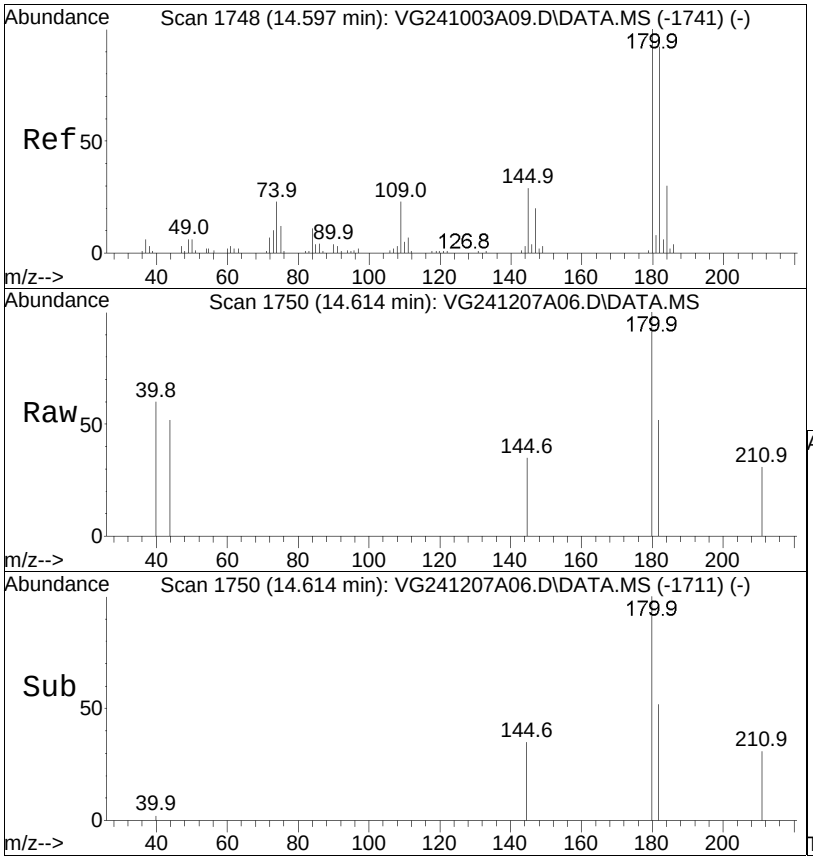


#108
Hexachlorobutadiene
Concen: 0.11 ug/L
RT: 14.104 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VG241207A06.D
Acq: 7 Dec 2024 2:19 pm

Tgt Ion:225 Resp: 470

Ion	Ratio	Lower	Upper
225	100		
223	45.5	50.1	75.1#
227	0.0	50.2	75.4#

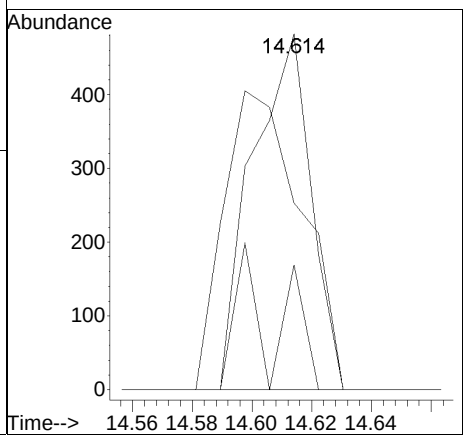




#111
1,2,3-Trichlorobenzene
Concen: 0.07 ug/L
RT: 14.614 min Scan# 1750
Delta R.T. 0.017 min
Lab File: VG241207A06.D
Acq: 7 Dec 2024 2:19 pm

Tgt Ion:180 Resp: 658

Ion	Ratio	Lower	Upper
180	100		
182	110.9	77.0	115.4
145	27.7	24.1	36.1



Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A06.D	Operator	: GONZO:MJV
Date Inj'd	: 12/7/2024 2:19 pm	Instrument	: Gonzo
Sample	: l2470744-21,31,10,10,,a	Quant Date	: 12/9/2024 7:33 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A07.D
Acq On : 7 Dec 2024 2:43 pm
Operator : GONZO:MJV
Sample : l2470744-10,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 09 07:45:40 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	448185	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 95.70%			
59) Chlorobenzene-d5	9.596	117	349217	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 96.20%			
79) 1,4-Dichlorobenzene-d4	12.286	152	195431	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 92.21%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.251	113	114230	10.221	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.21%			
43) 1,2-Dichloroethane-d4	5.775	65	131113	10.182	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.82%			
60) Toluene-d8	7.743	98	434270	9.403	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.03%			
83) 4-Bromofluorobenzene	11.085	95	163088	9.522	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.22%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	1.855	50	82	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.242	94	82	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.017	76	818	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.	d	
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	5.068	83	8314	0.518	ug/L	98

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A07.D
Acq On : 7 Dec 2024 2:43 pm
Operator : GONZO:MJV
Sample : l2470744-10,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 09 07:45:40 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.402	43	2555	0.682	ug/L #	29
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.	d	
48) Trichloroethene	0.000		0	N.D.	d	
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.801	92	148	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	9.011	43	68	N.D.		
73) Chlorobenzene	9.621	112	81	N.D.		
74) Ethylbenzene	9.604	91	713	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
84) Bromobenzene	11.208	156	85	N.D.		
85) n-Propylbenzene	11.258	91	240	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	11.389	105	180	N.D.		
89) 2-Chlorotoluene	11.422	91	85	N.D.		
90) 1,3,5-Trimethylbenzene	11.472	105	153	N.D.		
91) 1,2,3-Trichloropropane	11.620	75	117	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	11.422	91	85	N.D.		
94) tert-Butylbenzene	11.801	119	78	N.D.		

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A07.D
Acq On : 7 Dec 2024 2:43 pm
Operator : GONZO:MJV
Sample : l2470744-10,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 09 07:45:40 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.908	105	87	N.D.		
98) sec-Butylbenzene	11.990	105	418	N.D.		
99) p-Isopropyltoluene	12.138	119	412	N.D.		
100) 1,3-Dichlorobenzene	12.228	146	163	N.D.		
101) 1,4-Dichlorobenzene	12.302	146	384	N.D.		
102) p-Diethylbenzene	12.541	119	271	N.D.		
103) n-Butylbenzene	12.590	91	520	N.D.		
104) 1,2-Dichlorobenzene	12.747	146	98	N.D.		
105) 1,2,4,5-Tetramethylben...	13.322	119	247	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108) Hexachlorobutadiene	14.096	225	365	0.088	ug/L #	47
109) 1,2,4-Trichlorobenzene	0.000		0	N.D. d		
110) Naphthalene	14.466	128	551	N.D.		
111) 1,2,3-Trichlorobenzene	14.614	180	272	N.D.		

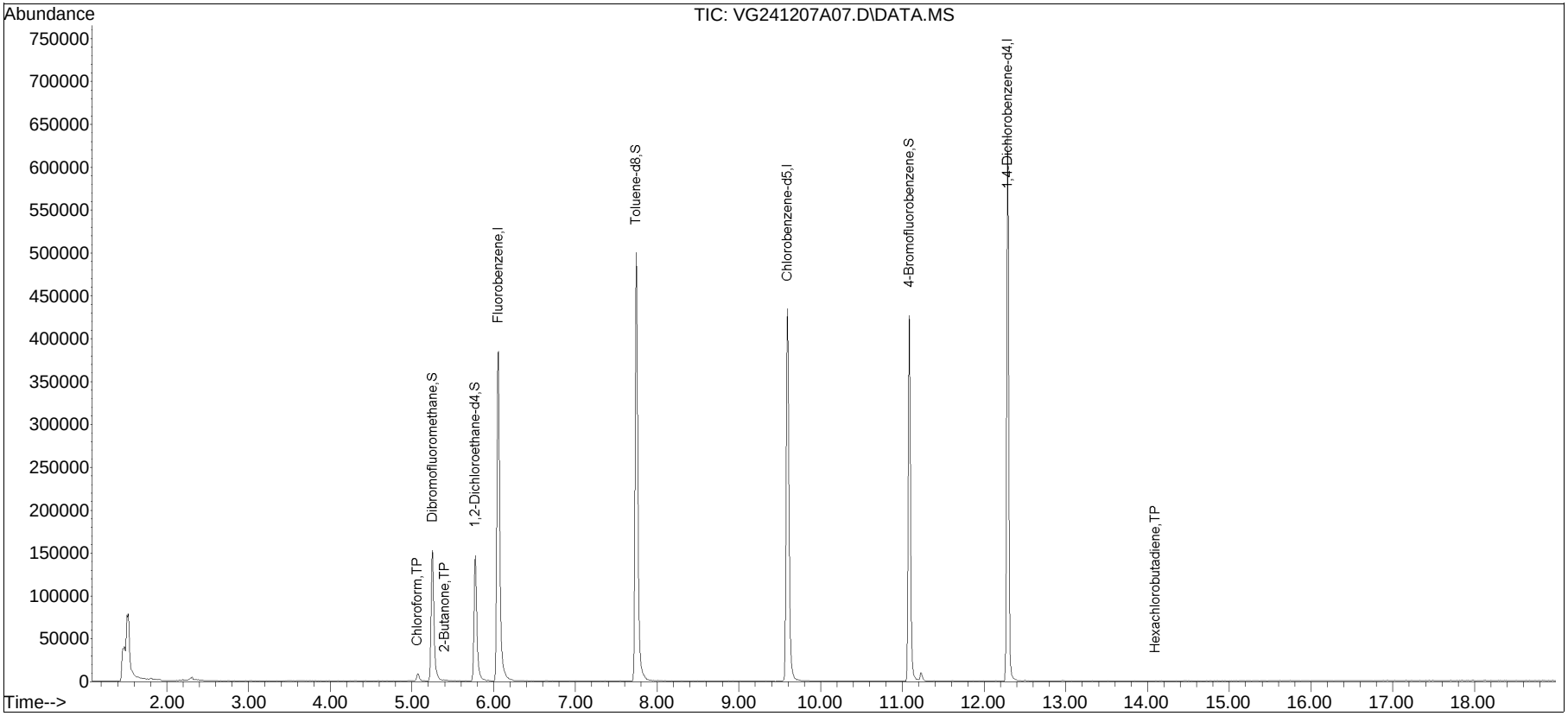
(#) = qualifier out of range (m) = manual integration (+) = signals summed

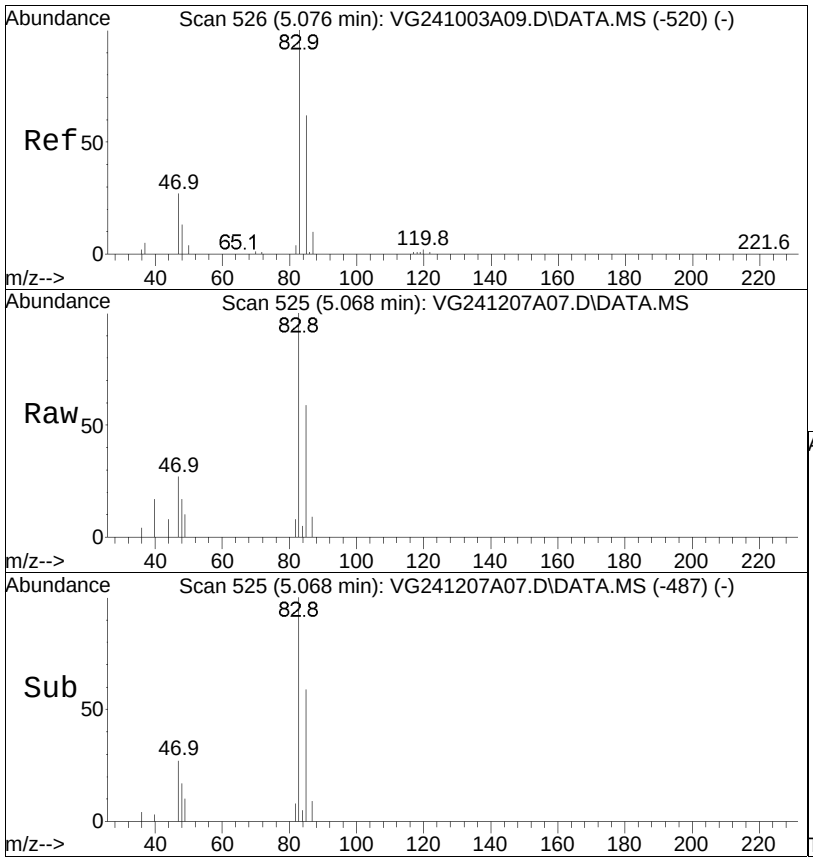
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A07.D
Acq On : 7 Dec 2024 2:43 pm
Operator : GONZO:MJV
Sample : l2470744-10,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 09 07:45:40 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

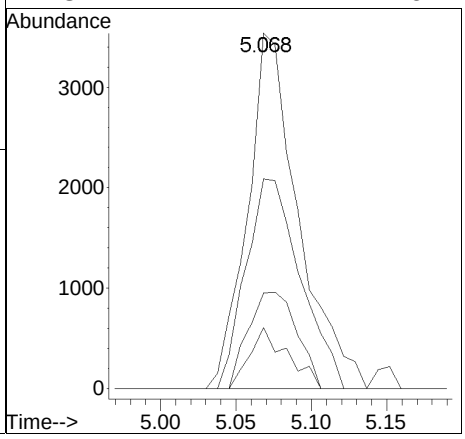


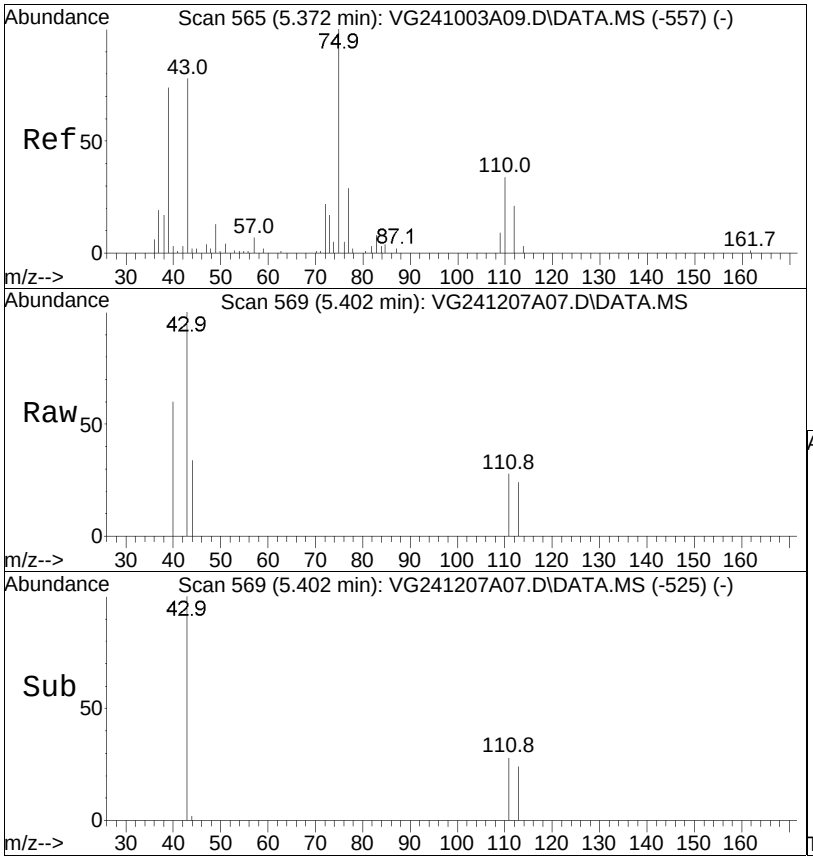


#32
Chloroform
Concen: 0.52 ug/L
RT: 5.068 min Scan# 525
Delta R.T. -0.008 min
Lab File: VG241207A07.D
Acq: 7 Dec 2024 2:43 pm

Tgt Ion: 83 Resp: 8314

Ion	Ratio	Lower	Upper
83	100		
85	63.1	41.4	86.0
47	25.9	15.1	31.3
48	12.7	7.7	16.1

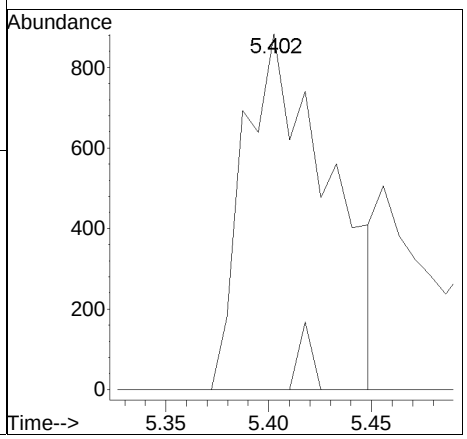


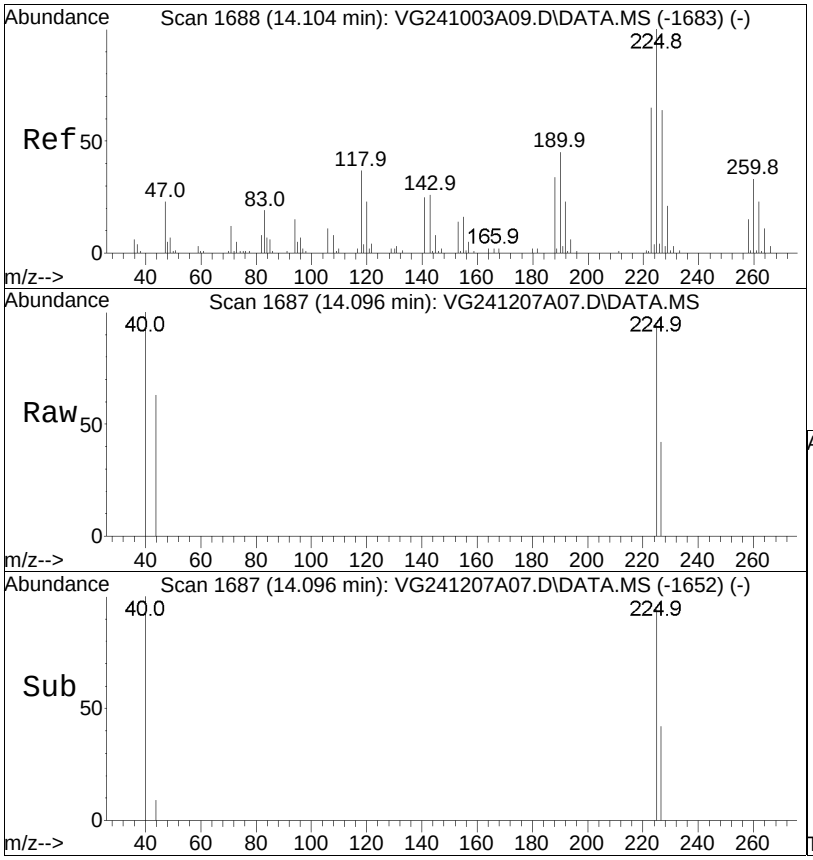


#39
2-Butanone
Concen: 0.68 ug/L
RT: 5.402 min Scan# 569
Delta R.T. 0.030 min
Lab File: VG241207A07.D
Acq: 7 Dec 2024 2:43 pm

Tgt Ion: 43 Resp: 2555

Ion	Ratio	Lower	Upper
43	100		
72	3.0	42.6	63.8#

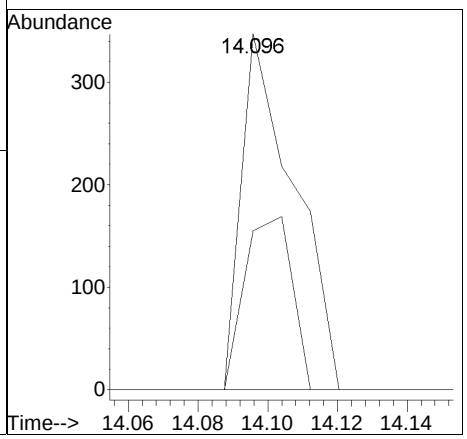




#108
Hexachlorobutadiene
Concen: 0.09 ug/L
RT: 14.096 min Scan# 1687
Delta R.T. -0.008 min
Lab File: VG241207A07.D
Acq: 7 Dec 2024 2:43 pm

Tgt Ion:225 Resp: 365

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.1	75.1#
227	43.8	50.2	75.4#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A07.D	Operator	: GONZO:MJV
Date Inj'd	: 12/7/2024 2:43 pm	Instrument	: Gonzo
Sample	: l2470744-10,31,10,10,,c	Quant Date	: 12/9/2024 7:34 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A08.D
Acq On : 7 Dec 2024 3:07 pm
Operator : GONZO:MJV
Sample : l2470744-11,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 09 07:46:12 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	450845	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 96.27%			
59) Chlorobenzene-d5	9.596	117	346664	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 95.50%			
79) 1,4-Dichlorobenzene-d4	12.286	152	198334	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 93.58%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.250	113	114835	10.214	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.14%			
43) 1,2-Dichloroethane-d4	5.775	65	132510	10.230	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.30%			
60) Toluene-d8	7.743	98	434257	9.472	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.72%			
83) 4-Bromofluorobenzene	11.085	95	165615	9.528	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.490	85	140	N.D.		
3) Chloromethane	1.862	50	340	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.234	94	209	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.024	76	1579	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.617	43	3803	1.539	ug/L #	79
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D. d		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	5.076	83	76	N.D.		

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A08.D
Acq On : 7 Dec 2024 3:07 pm
Operator : GONZO:MJV
Sample : l2470744-11,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 09 07:46:12 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.410	43	4301	1.142	ug/L	#	34
40) 1,1-Dichloropropene	0.000		0	N.D.	d		
41) Benzene	5.638	78	146079	3.929	ug/L	#	91
44) 1,2-Dichloroethane	0.000		0	N.D.	d		
48) Trichloroethene	0.000		0	N.D.	d		
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.808	92	21945	0.910	ug/L		97
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	8.266	166	78	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	9.305	43	69	N.D.			
73) Chlorobenzene	9.604	112	108	N.D.			
74) Ethylbenzene	9.653	91	3950	0.085	ug/L	#	80
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	9.859	106	2447	0.139	ug/L		94
77) o Xylene	0.000		0	N.D.	d		
78) Styrene	10.459	104	11051	0.380	ug/L		91
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	10.780	105	214	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.257	91	714	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	11.381	105	810	N.D.			
89) 2-Chlorotoluene	11.406	91	79	N.D.			
90) 1,3,5-Trimethylbenzene	11.471	105	402	N.D.			
91) 1,2,3-Trichloropropane	11.603	75	74	N.D.			
92) trans-1,4-Dichloro-2-b...	11.480	53	210	N.D.			
93) 4-Chlorotoluene	11.406	91	79	N.D.			
94) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A08.D
Acq On : 7 Dec 2024 3:07 pm
Operator : GONZO:MJV
Sample : l2470744-11,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 09 07:46:12 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	11.899	105	516	N.D.			
98)	sec-Butylbenzene	11.998	105	453	N.D.			
99)	p-Isopropyltoluene	12.138	119	265	N.D.			
100)	1,3-Dichlorobenzene	12.228	146	273	N.D.			
101)	1,4-Dichlorobenzene	12.302	146	431	N.D.			
102)	p-Diethylbenzene	12.516	119	114	N.D.			
103)	n-Butylbenzene	12.590	91	275	N.D.			
104)	1,2-Dichlorobenzene	12.738	146	88	N.D.			
105)	1,2,4,5-Tetramethylben...	13.314	119	339	N.D.			
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108)	Hexachlorobutadiene	14.104	225	383	0.091	ug/L	#	34
109)	1,2,4-Trichlorobenzene	14.145	180	239	N.D.			
110)	Naphthalene	14.433	128	8437	0.358	ug/L		100
111)	1,2,3-Trichlorobenzene	14.597	180	277	N.D.			

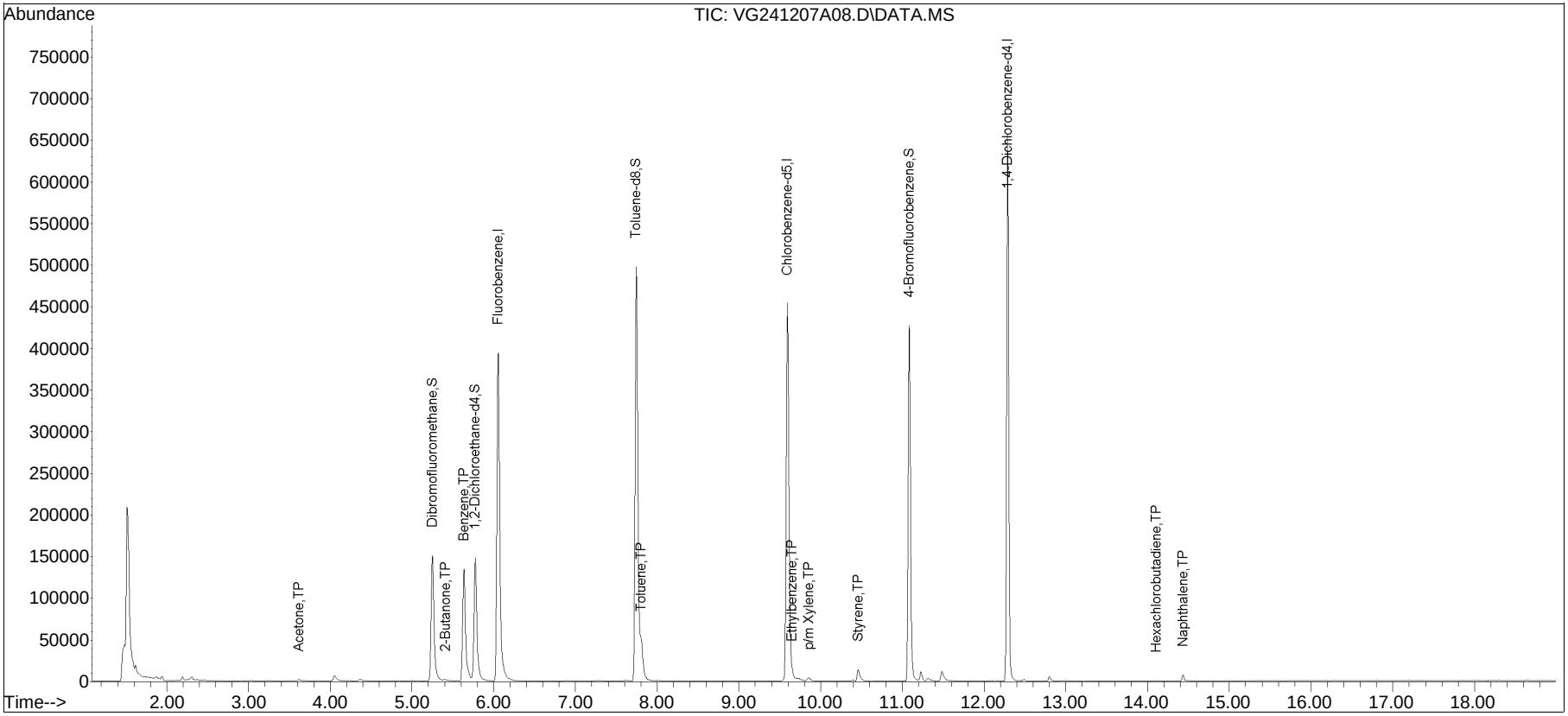
(#) = qualifier out of range (m) = manual integration (+) = signals summed

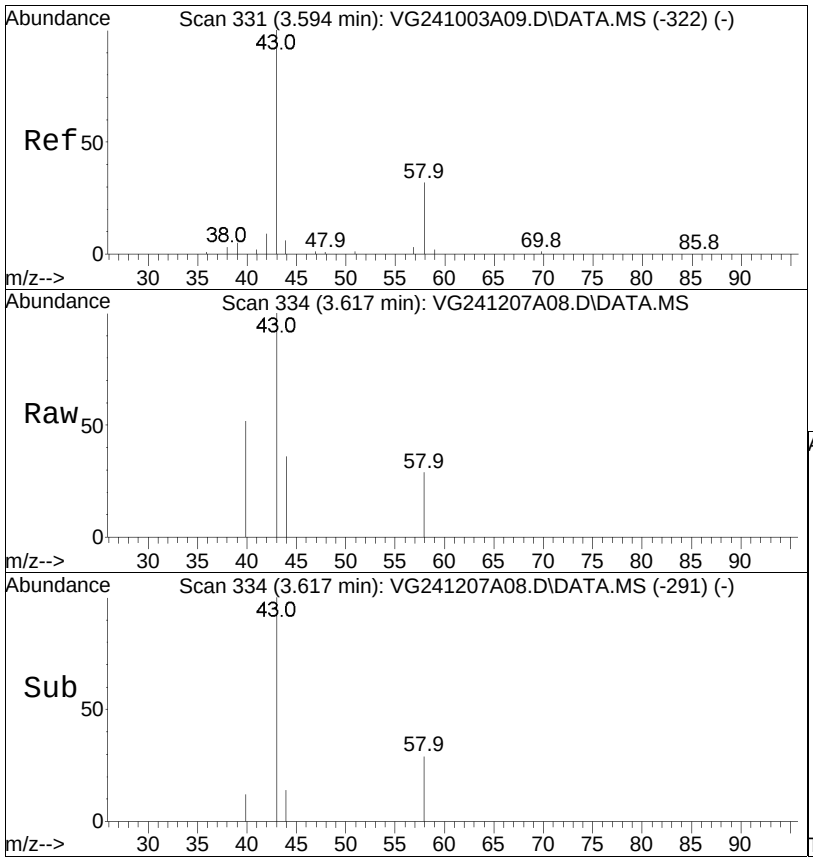
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A08.D
Acq On : 7 Dec 2024 3:07 pm
Operator : GONZO:MJV
Sample : l2470744-11,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 09 07:46:12 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

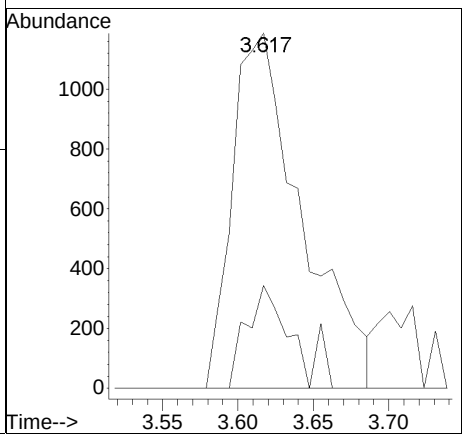


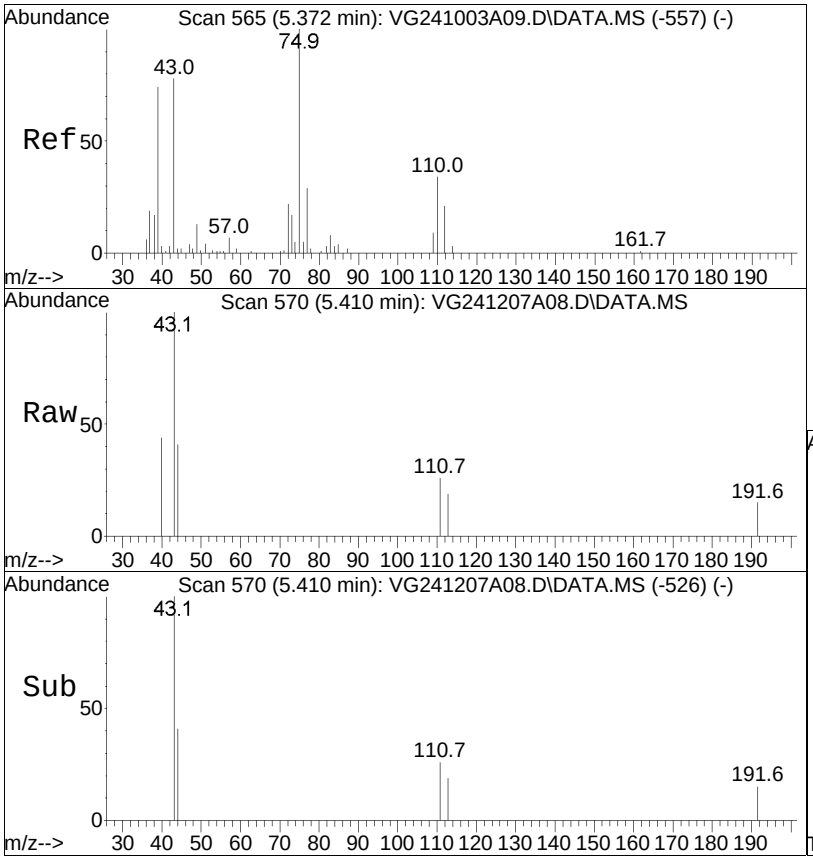


#17
Acetone
Concen: 1.54 ug/L
RT: 3.617 min Scan# 334
Delta R.T. 0.023 min
Lab File: VG241207A08.D
Acq: 7 Dec 2024 3:07 pm

Tgt Ion: 43 Resp: 3803

Ion	Ratio	Lower	Upper
43	100		
58	16.6	22.2	33.4#

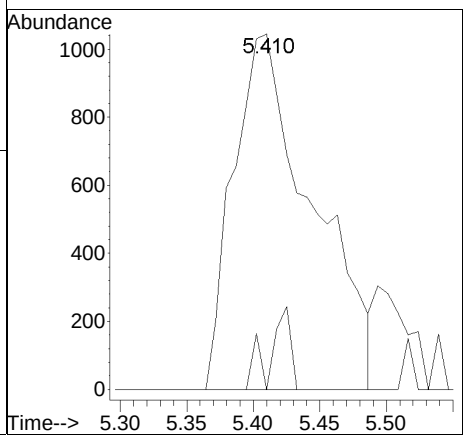


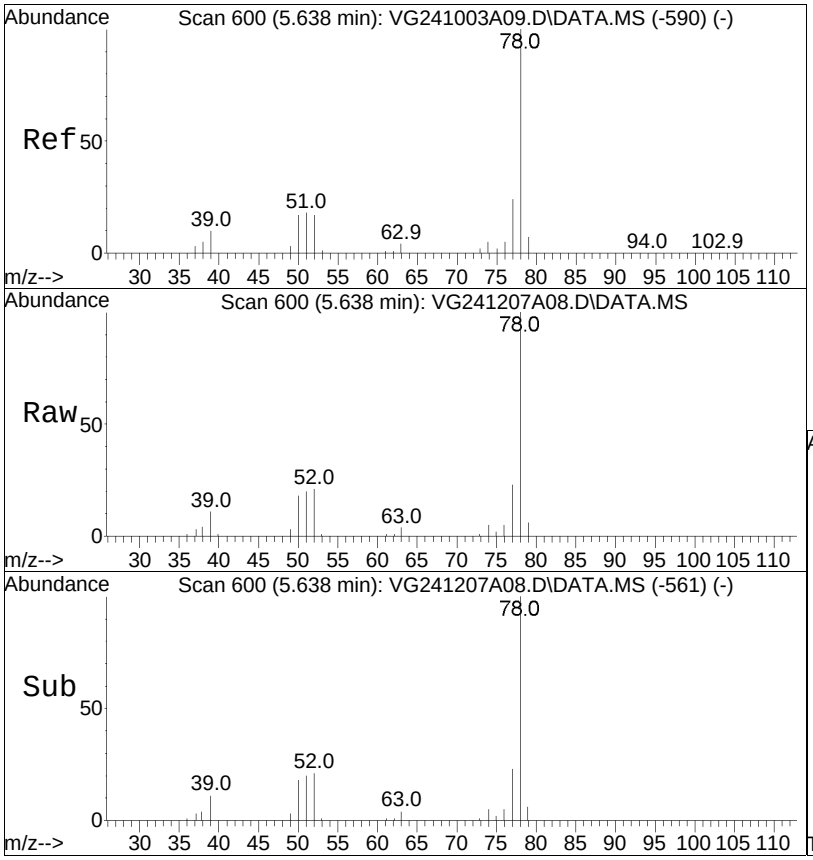


#39
2-Butanone
Concen: 1.14 ug/L
RT: 5.410 min Scan# 570
Delta R.T. 0.038 min
Lab File: VG241207A08.D
Acq: 7 Dec 2024 3:07 pm

Tgt Ion: 43 Resp: 4301

Ion	Ratio	Lower	Upper
43	100		
72	6.2	42.6	63.8#

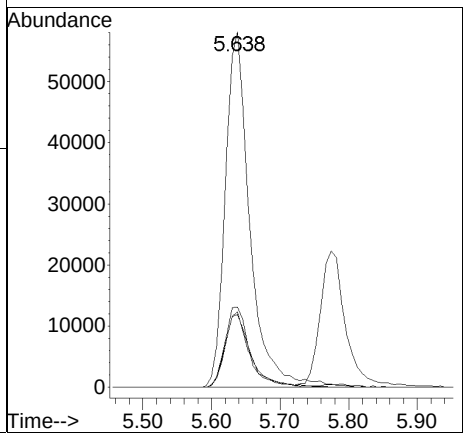


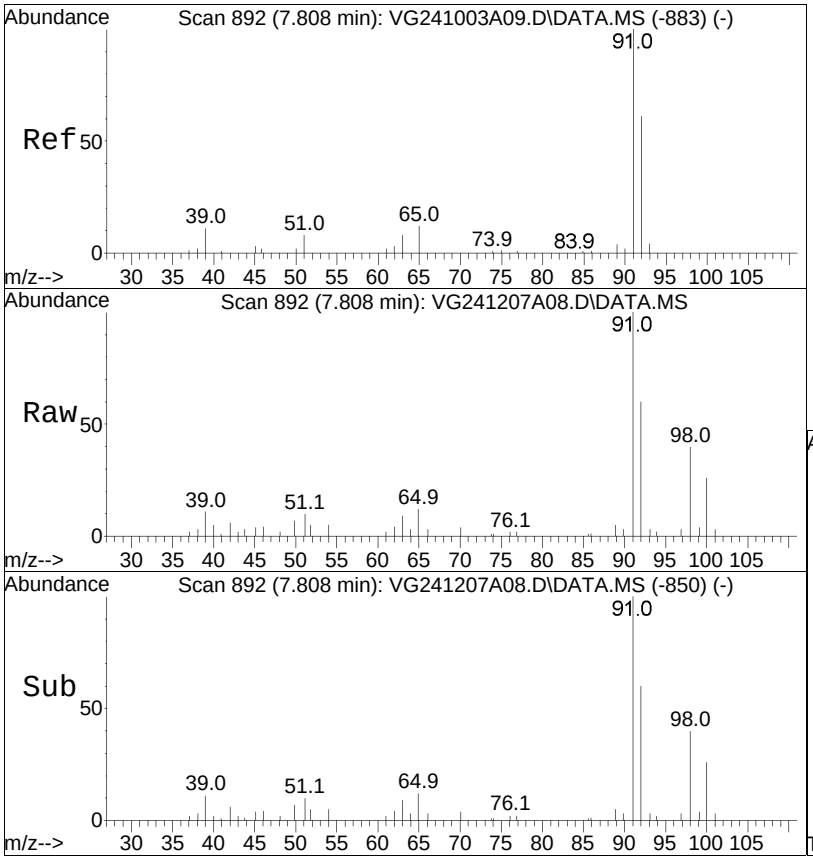


#41
Benzene
Concen: 3.93 ug/L
RT: 5.638 min Scan# 600
Delta R.T. -0.000 min
Lab File: VG241207A08.D
Acq: 7 Dec 2024 3:07 pm

Tgt Ion: 78 Resp: 146079

Ion	Ratio	Lower	Upper
78	100		
77	23.3	15.5	32.1
51	20.9	9.9	20.7#
52	21.3	9.2	19.2#

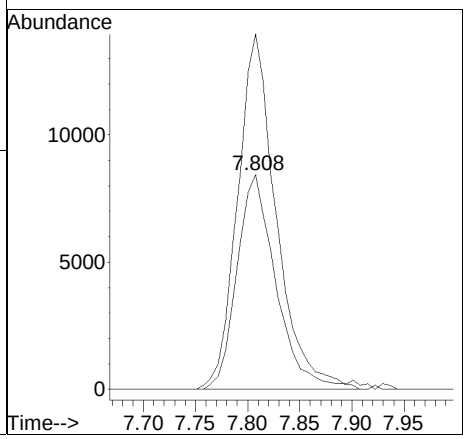


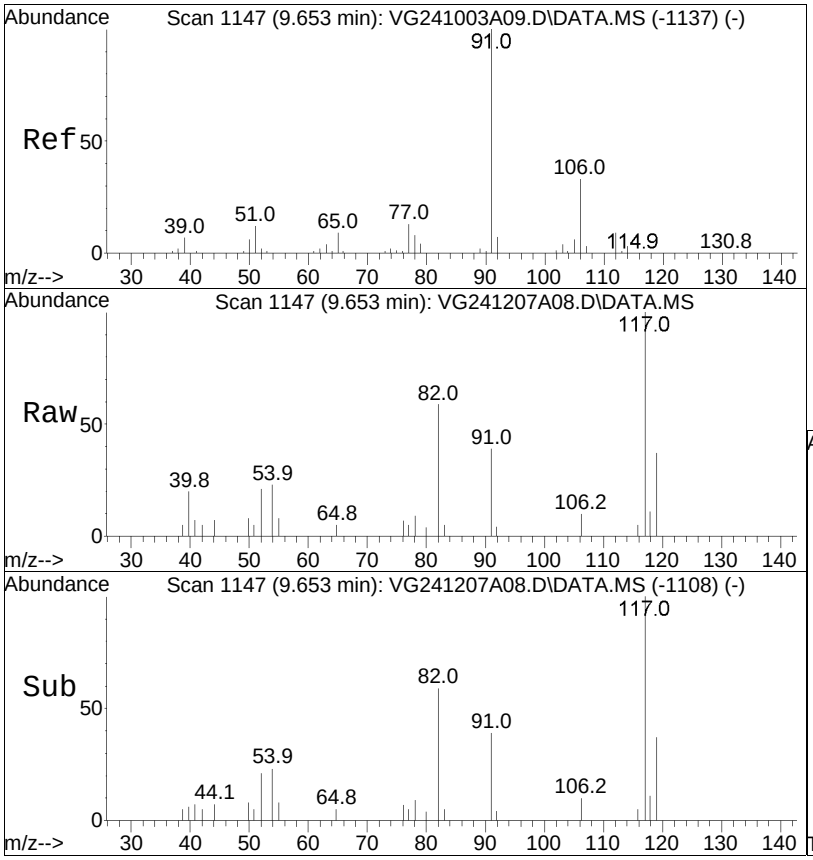


#61
Toluene
Concen: 0.91 ug/L
RT: 7.808 min Scan# 892
Delta R.T. -0.000 min
Lab File: VG241207A08.D
Acq: 7 Dec 2024 3:07 pm

Tgt Ion: 92 Resp: 21945

Ion	Ratio	Lower	Upper
92	100		
91	165.1	134.8	202.2

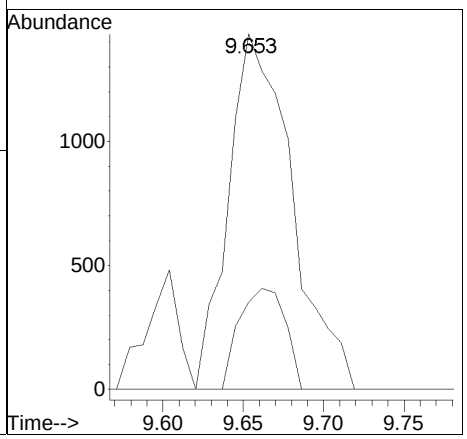


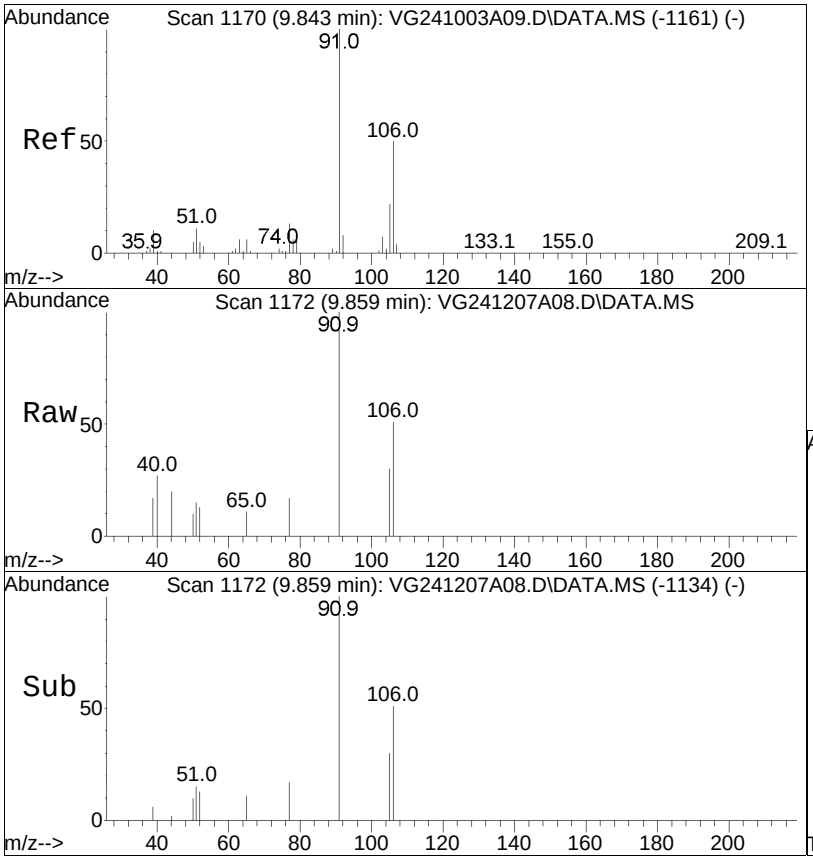


#74
Ethylbenzene
Concen: 0.09 ug/L
RT: 9.653 min Scan# 1147
Delta R.T. 0.000 min
Lab File: VG241207A08.D
Acq: 7 Dec 2024 3:07 pm

Tgt Ion: 91 Resp: 3950

Ion	Ratio	Lower	Upper
91	100		
106	20.6	25.3	37.9#

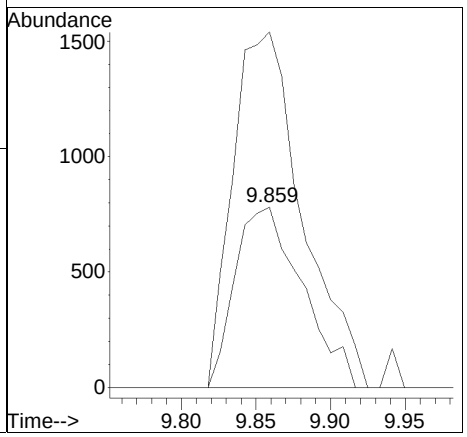


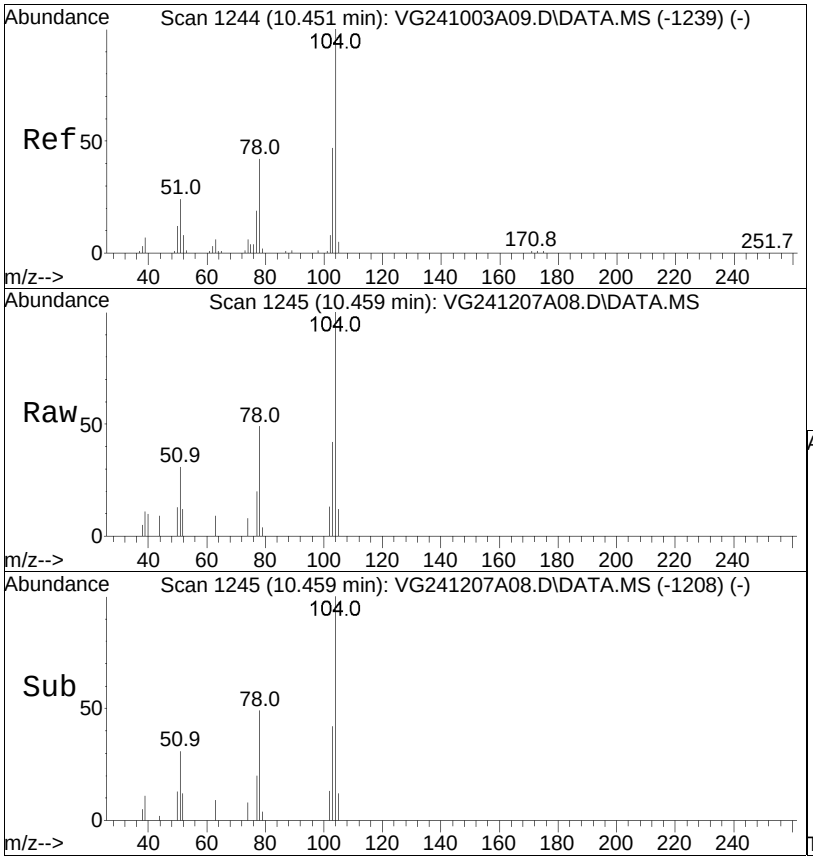


#76
p/m Xylene
Concen: 0.14 ug/L
RT: 9.859 min Scan# 1172
Delta R.T. 0.016 min
Lab File: VG241207A08.D
Acq: 7 Dec 2024 3:07 pm

Tgt Ion:106 Resp: 2447

Ion	Ratio	Lower	Upper
106	100		
91	204.7	157.1	235.7

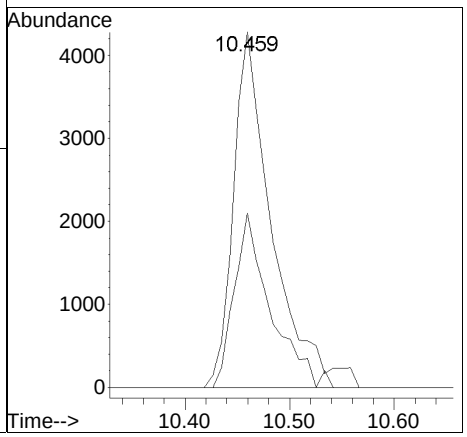


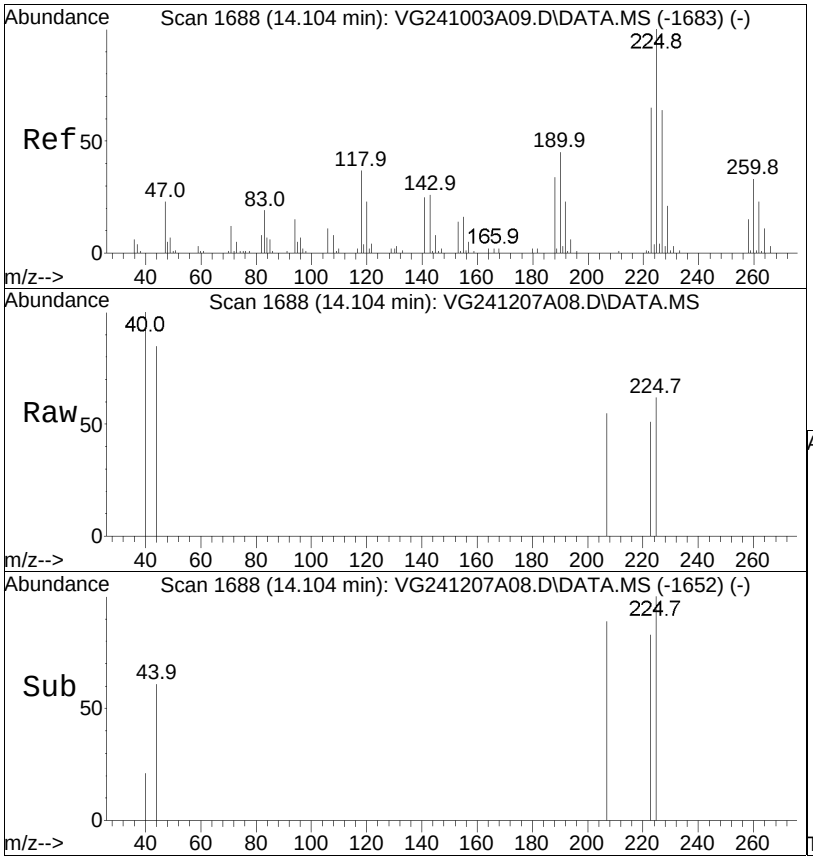


#78
Styrene
Concen: 0.38 ug/L
RT: 10.459 min Scan# 1245
Delta R.T. 0.008 min
Lab File: VG241207A08.D
Acq: 7 Dec 2024 3:07 pm

Tgt Ion:104 Resp: 11051

Ion	Ratio	Lower	Upper
104	100		
78	46.0	32.2	48.4

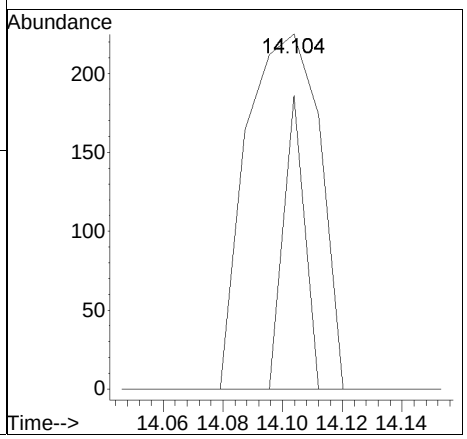


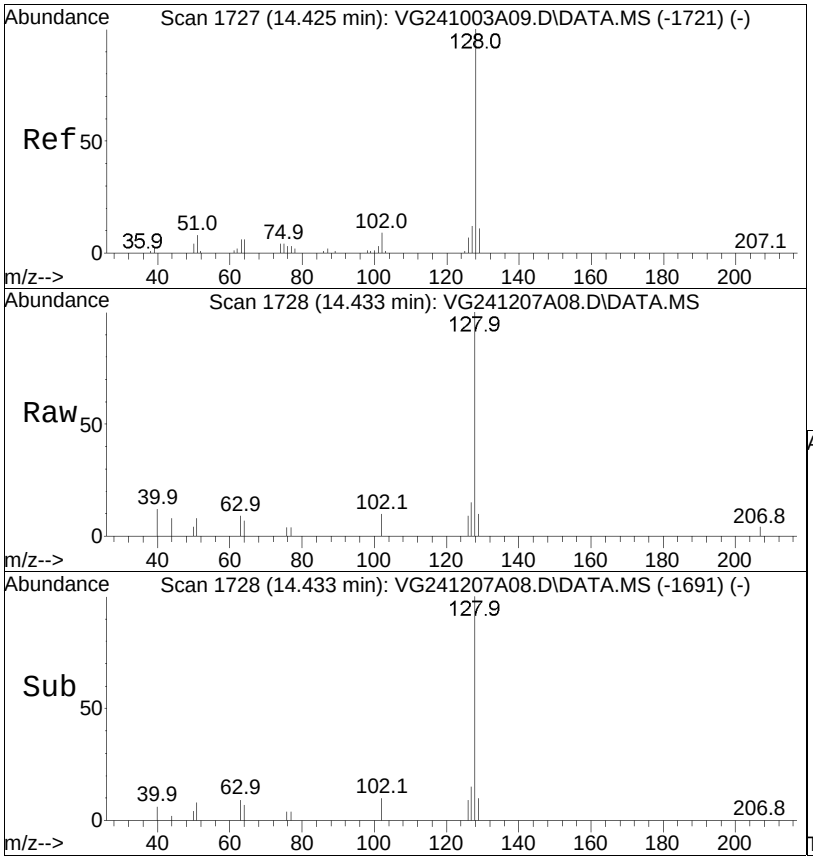


#108
Hexachlorobutadiene
Concen: 0.09 ug/L
RT: 14.104 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VG241207A08.D
Acq: 7 Dec 2024 3:07 pm

Tgt Ion:225 Resp: 383

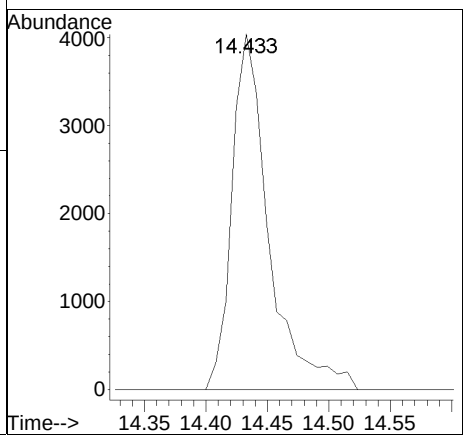
Ion	Ratio	Lower	Upper
225	100		
223	24.0	50.1	75.1#
227	0.0	50.2	75.4#





#110
Naphthalene
Concen: 0.36 ug/L
RT: 14.433 min Scan# 1728
Delta R.T. 0.008 min
Lab File: VG241207A08.D
Acq: 7 Dec 2024 3:07 pm

Tgt Ion:128 Resp: 8437



Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A08.D	Operator	: GONZO:MJV
Date Inj'd	: 12/7/2024 3:07 pm	Instrument	: Gonzo
Sample	: l2470744-11,31,10,10,,c	Quant Date	: 12/9/2024 7:34 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A09.D
Acq On : 7 Dec 2024 3:31 pm
Operator : GONZO:MJV
Sample : l2470744-12,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 09 07:46:51 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	445851	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 95.21%			
59) Chlorobenzene-d5	9.596	117	340903	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 93.91%			
79) 1,4-Dichlorobenzene-d4	12.286	152	194909	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 91.96%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.250	113	112157	10.088	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.88%			
43) 1,2-Dichloroethane-d4	5.775	65	133541	10.425	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.25%			
60) Toluene-d8	7.743	98	429908	9.535	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.35%			
83) 4-Bromofluorobenzene	11.085	95	161885	9.477	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.77%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.497	85	71	N.D.		
3) Chloromethane	1.854	50	163	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.242	94	94	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.024	76	4015	0.168	ug/L #	85
15) Methylene chloride	3.556	84	77	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	3.799	73	71	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	4.346	43	82	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	5.083	83	82	N.D.		

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A09.D
Acq On : 7 Dec 2024 3:31 pm
Operator : GONZO:MJV
Sample : l2470744-12,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 09 07:46:51 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.402	43	1927	0.517	ug/L	#	38
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	0.000		0	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.	d		
48) Trichloroethene	0.000		0	N.D.	d		
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.800	92	139	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	9.290	43	66	N.D.			
73) Chlorobenzene	0.000		0	N.D.			
74) Ethylbenzene	9.686	91	76	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	9.867	106	168	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	10.772	105	861	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.282	91	74	N.D.			
87) 1,1,2,2-Tetrachloroethane	11.233	83	91	N.D.			
88) 4-Ethyltoluene	11.480	105	78	N.D.			
89) 2-Chlorotoluene	11.282	91	74	N.D.			
90) 1,3,5-Trimethylbenzene	11.480	105	78	N.D.			
91) 1,2,3-Trichloropropane	11.619	75	80	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	11.759	91	267	N.D.			
94) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A09.D
Acq On : 7 Dec 2024 3:31 pm
Operator : GONZO:MJV
Sample : l2470744-12,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 09 07:46:51 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.899	105	84		N.D.	
98) sec-Butylbenzene	11.998	105	344		N.D.	
99) p-Isopropyltoluene	12.138	119	213		N.D.	
100) 1,3-Dichlorobenzene	12.302	146	340		N.D.	
101) 1,4-Dichlorobenzene	12.302	146	340		N.D.	
102) p-Diethylbenzene	12.549	119	89		N.D.	
103) n-Butylbenzene	12.607	91	281		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
105) 1,2,4,5-Tetramethylben...	13.322	119	85		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	14.104	225	116		N.D.	
109) 1,2,4-Trichlorobenzene	14.153	180	181		N.D.	
110) Naphthalene	14.466	128	818		N.D.	
111) 1,2,3-Trichlorobenzene	14.597	180	307		N.D.	

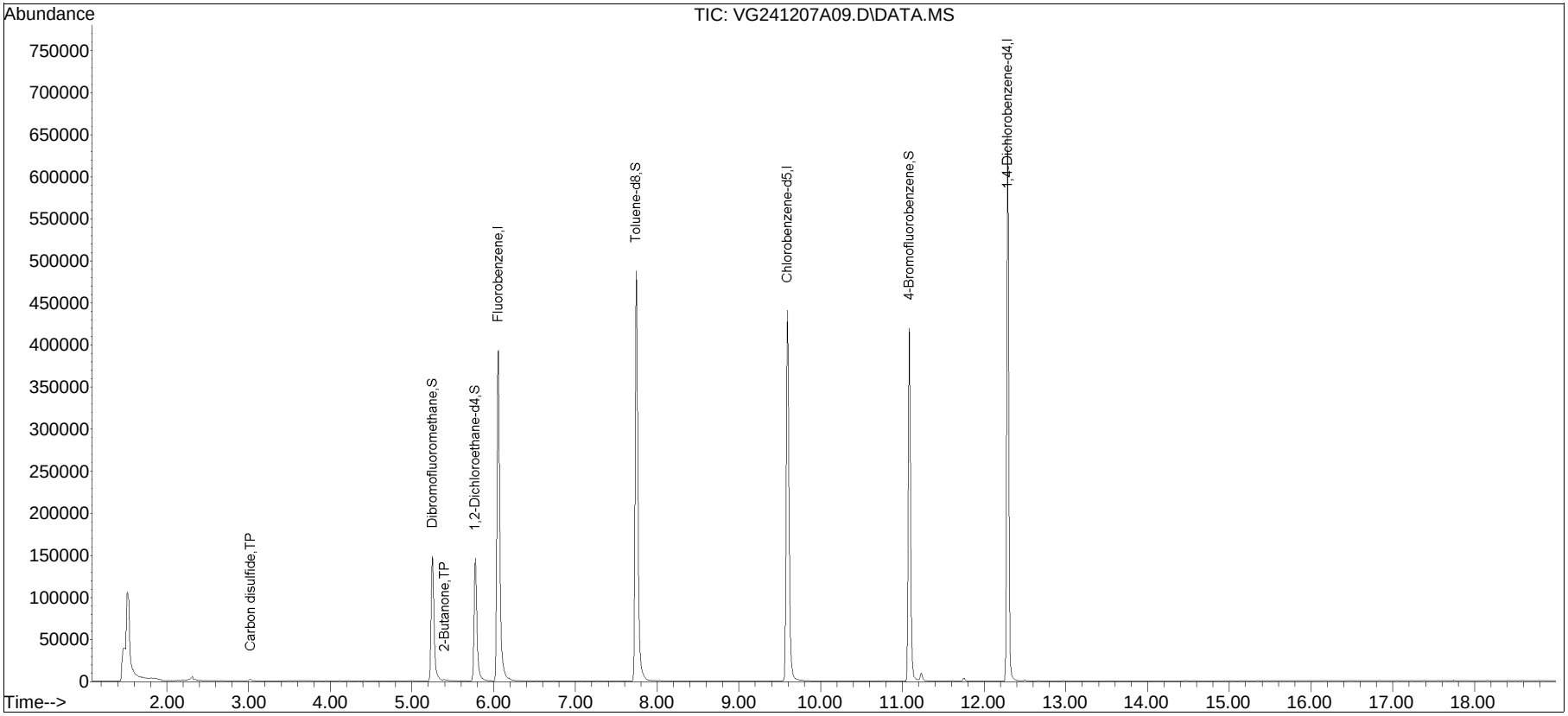
(#) = qualifier out of range (m) = manual integration (+) = signals summed

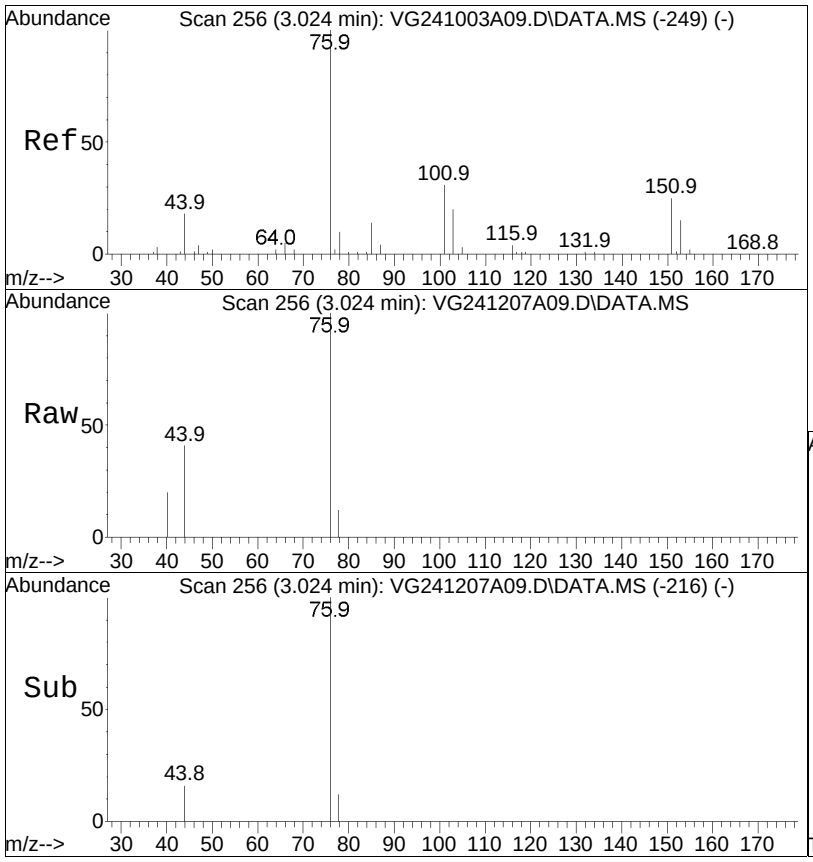
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A09.D
Acq On : 7 Dec 2024 3:31 pm
Operator : GONZO:MJV
Sample : l2470744-12,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 09 07:46:51 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

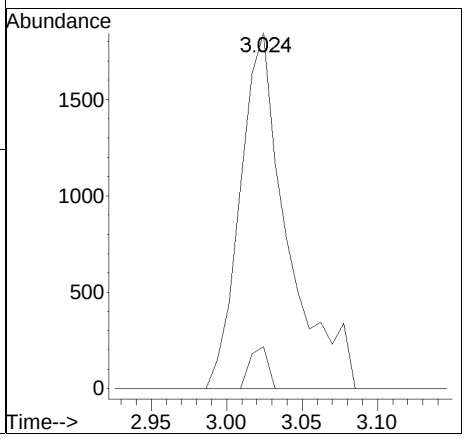


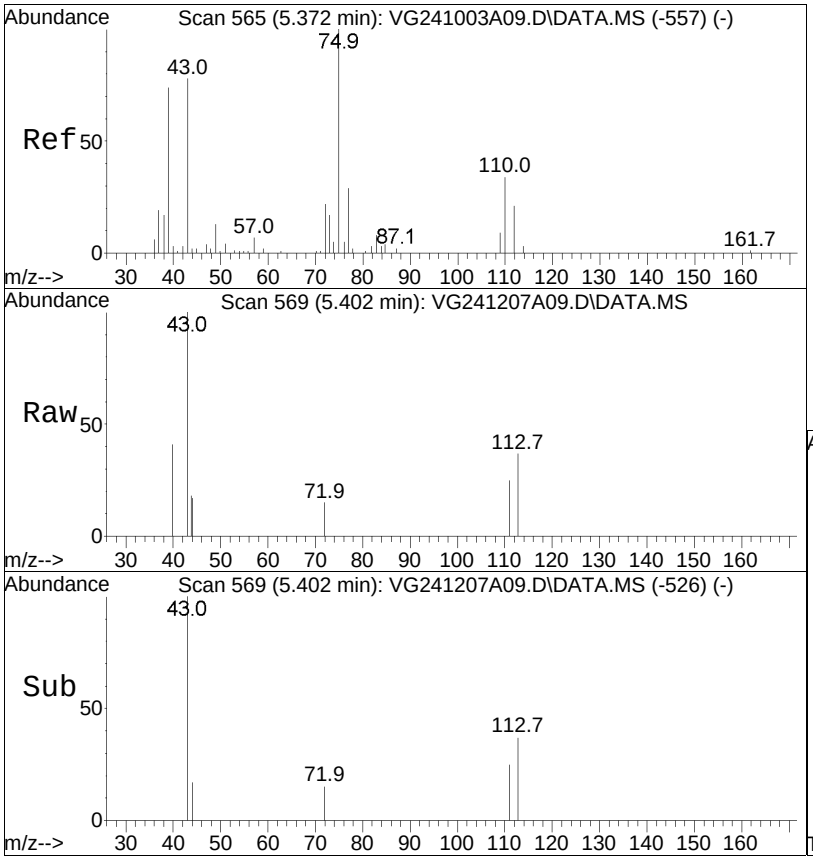


#11
Carbon disulfide
Concen: 0.17 ug/L
RT: 3.024 min Scan# 256
Delta R.T. 0.000 min
Lab File: VG241207A09.D
Acq: 7 Dec 2024 3:31 pm

Tgt Ion: 76 Resp: 4015

Ion	Ratio	Lower	Upper
76	100		
78	4.5	6.6	13.6#

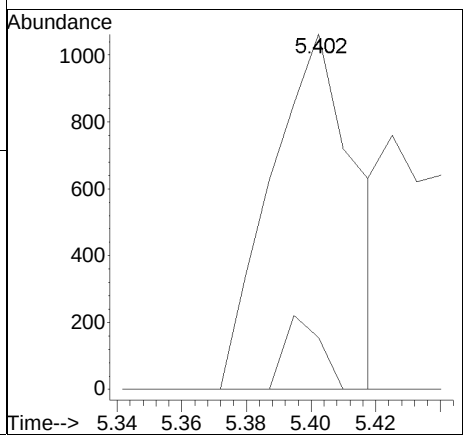




#39
2-Butanone
Concen: 0.52 ug/L
RT: 5.402 min Scan# 569
Delta R.T. 0.030 min
Lab File: VG241207A09.D
Acq: 7 Dec 2024 3:31 pm

Tgt Ion: 43 Resp: 1927

Ion	Ratio	Lower	Upper
43	100		
72	8.9	42.6	63.8#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A09.D	Operator	: GONZO:MJV
Date Inj'd	: 12/7/2024 3:31 pm	Instrument	: Gonzo
Sample	: l2470744-12,31,10,10,,c	Quant Date	: 12/9/2024 7:34 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A10.D
Acq On : 7 Dec 2024 3:55 pm
Operator : GONZO:MJV
Sample : l2470744-13,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 09 07:47:11 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	441828	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 94.35%			
59) Chlorobenzene-d5	9.596	117	341643	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 94.12%			
79) 1,4-Dichlorobenzene-d4	12.286	152	194350	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 91.70%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.250	113	113629	10.313	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.13%			
43) 1,2-Dichloroethane-d4	5.775	65	132560	10.443	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.43%			
60) Toluene-d8	7.743	98	424337	9.392	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.92%			
83) 4-Bromofluorobenzene	11.085	95	160568	9.427	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.27%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.482	85	78	N.D.		
3) Chloromethane	1.877	50	75	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.242	94	171	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.017	76	813	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	4.437	43	70	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	5.076	83	8030	0.507	ug/L	95

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A10.D
Acq On : 7 Dec 2024 3:55 pm
Operator : GONZO:MJV
Sample : l2470744-13,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 09 07:47:11 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.402	43	3451	0.935	ug/L	#	38
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	0.000		0	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.	d		
48) Trichloroethene	0.000		0	N.D.	d		
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	6.869	83	902	0.071	ug/L	#	69
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.815	92	72	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	8.252	166	174	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	8.710	129	150	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	0.000		0	N.D.			
74) Ethylbenzene	9.596	91	560	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	0.000		0	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.085	91	418	N.D.			
87) 1,1,2,2-Tetrachloroethane	11.233	83	82	N.D.			
88) 4-Ethyltoluene	11.381	105	77	N.D.			
89) 2-Chlorotoluene	0.000		0	N.D.			
90) 1,3,5-Trimethylbenzene	11.381	105	77	N.D.			
91) 1,2,3-Trichloropropane	11.290	75	92	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	0.000		0	N.D.			
94) tert-Butylbenzene	11.792	119	94	N.D.			

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A10.D
Acq On : 7 Dec 2024 3:55 pm
Operator : GONZO:MJV
Sample : l2470744-13,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 09 07:47:11 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.990	105	183	N.D.		
98)	sec-Butylbenzene	11.990	105	183	N.D.		
99)	p-Isopropyltoluene	12.138	119	334	N.D.		
100)	1,3-Dichlorobenzene	12.220	146	250	N.D.		
101)	1,4-Dichlorobenzene	12.302	146	331	N.D.		
102)	p-Diethylbenzene	0.000		0	N.D.		
103)	n-Butylbenzene	0.000		0	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
105)	1,2,4,5-Tetramethylben...	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
110)	Naphthalene	14.474	128	409	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

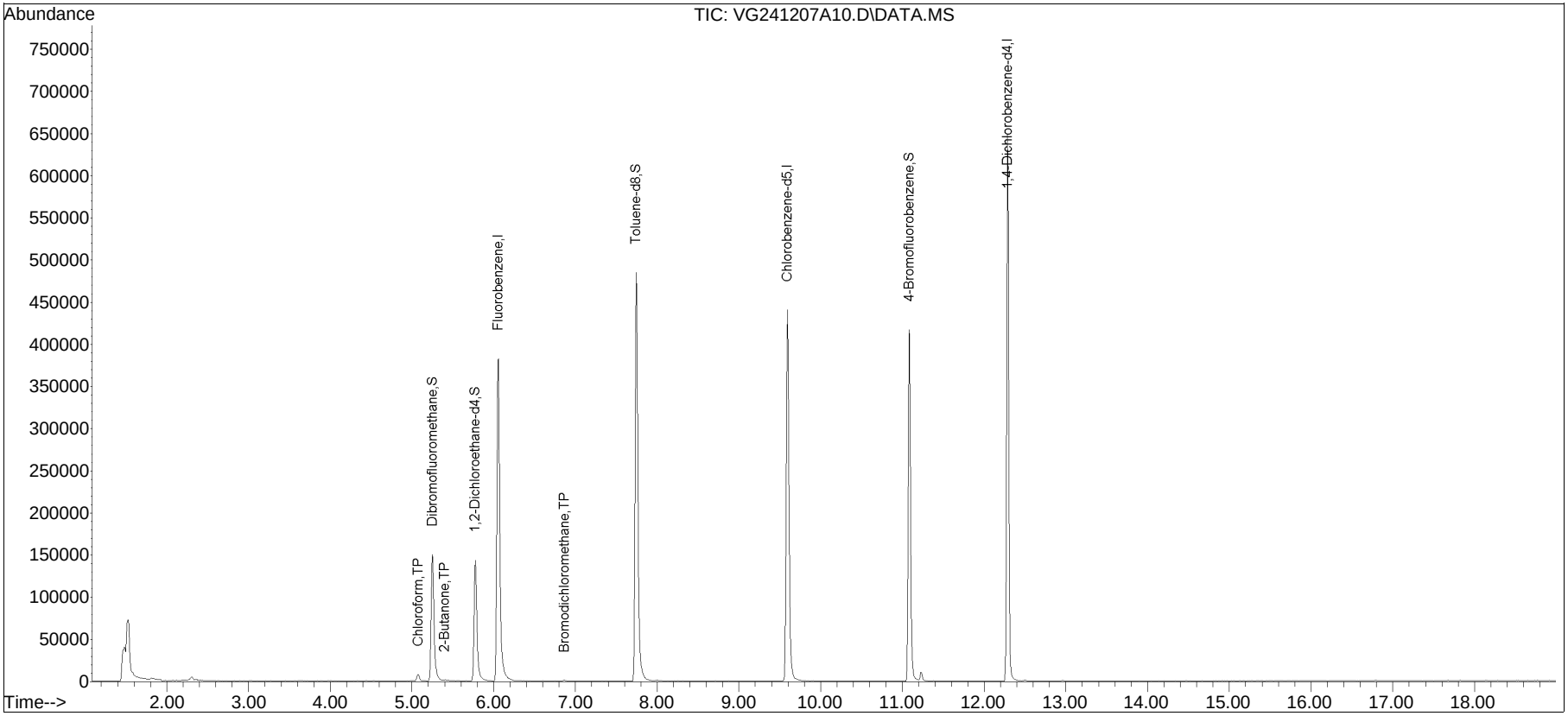
(#) = qualifier out of range (m) = manual integration (+) = signals summed

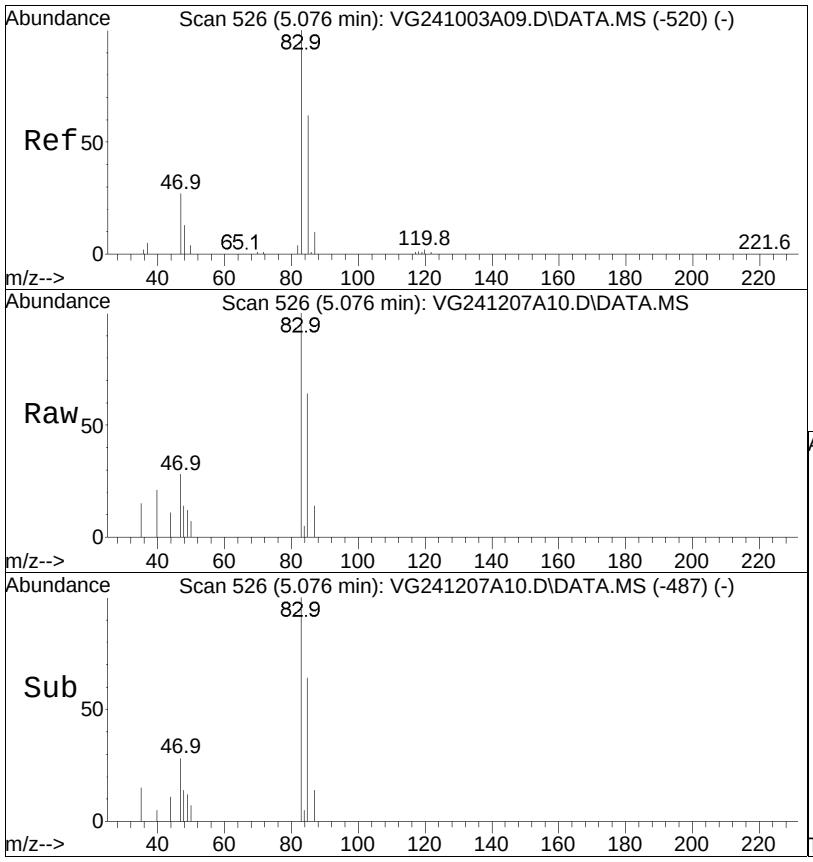
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A10.D
Acq On : 7 Dec 2024 3:55 pm
Operator : GONZO:MJV
Sample : l2470744-13,31,10,10,,c
Misc : WG2006760,ICAL21571
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 09 07:47:11 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

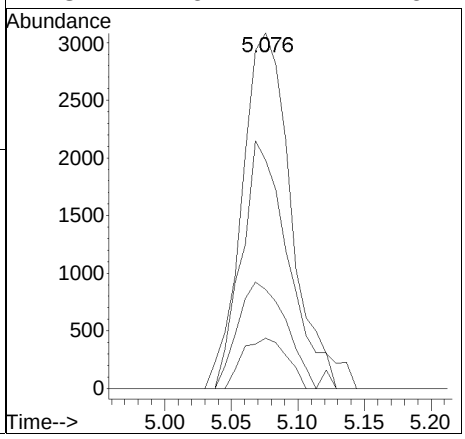


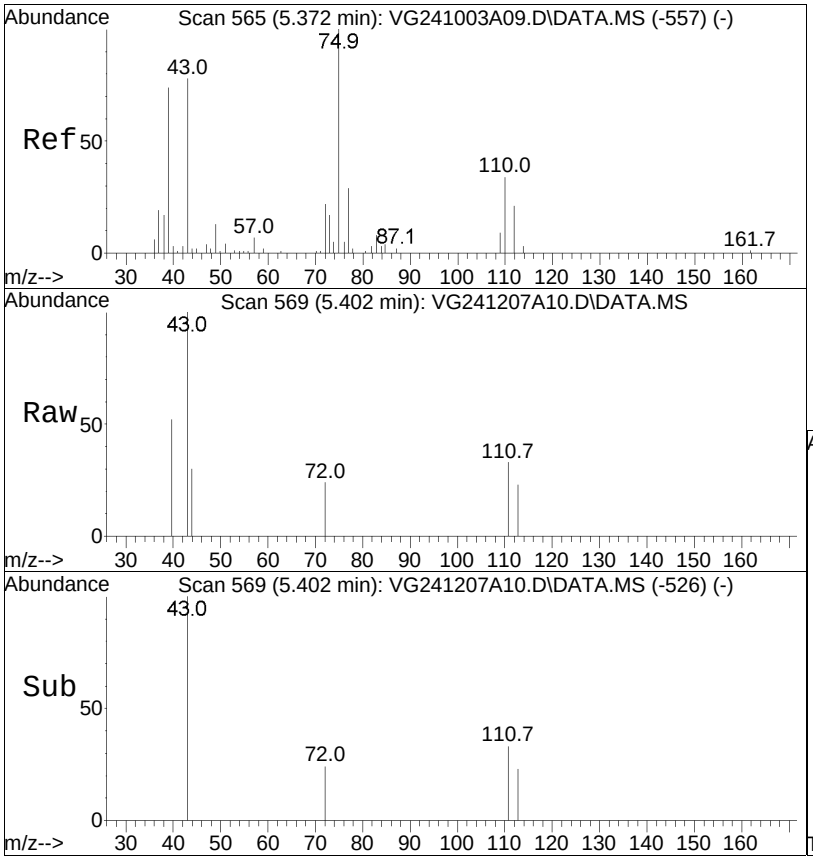


#32
Chloroform
Concen: 0.51 ug/L
RT: 5.076 min Scan# 526
Delta R.T. -0.000 min
Lab File: VG241207A10.D
Acq: 7 Dec 2024 3:55 pm

Tgt Ion: 83 Resp: 8030

Ion	Ratio	Lower	Upper
83	100		
85	65.2	41.4	86.0
47	29.9	15.1	31.3
48	12.6	7.7	16.1

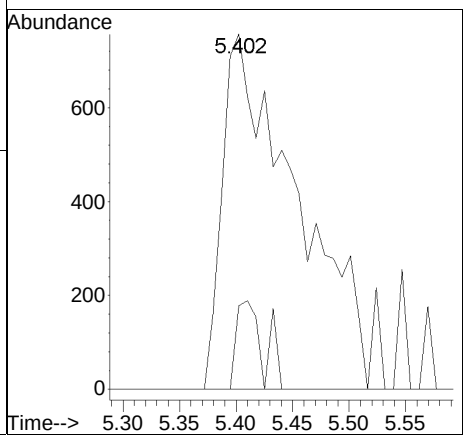


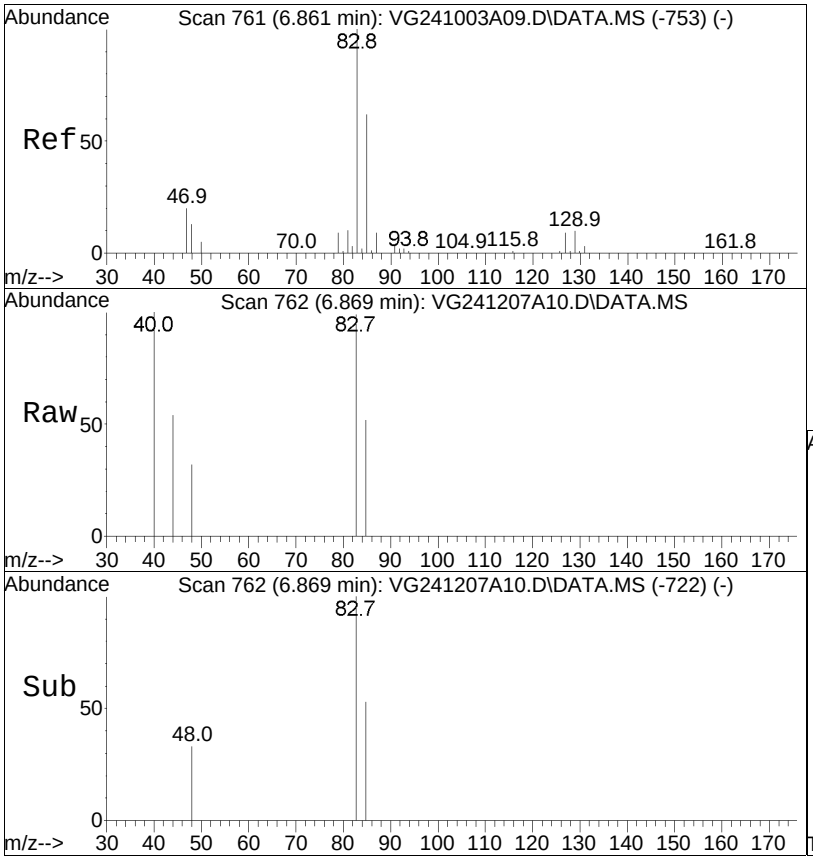


#39
2-Butanone
Concen: 0.93 ug/L
RT: 5.402 min Scan# 569
Delta R.T. 0.030 min
Lab File: VG241207A10.D
Acq: 7 Dec 2024 3:55 pm

Tgt Ion: 43 Resp: 3451

Ion	Ratio	Lower	Upper
43	100		
72	9.2	42.6	63.8#

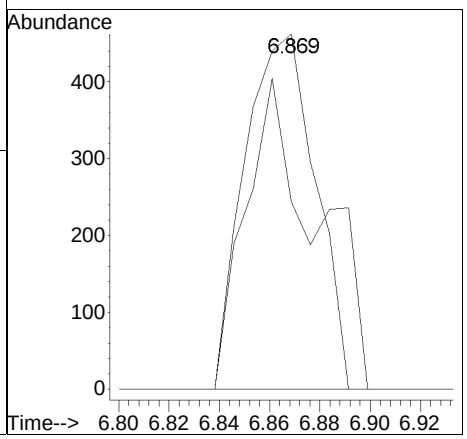




#54
Bromodichloromethane
Concen: 0.07 ug/L
RT: 6.869 min Scan# 762
Delta R.T. 0.008 min
Lab File: VG241207A10.D
Acq: 7 Dec 2024 3:55 pm

Tgt Ion: 83 Resp: 902

Ion	Ratio	Lower	Upper
83	100		
85	88.7	50.8	76.2#
127	0.0	7.4	11.2#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A10.D	Operator	: GONZO:MJV
Date Inj'd	: 12/7/2024 3:55 pm	Instrument	: Gonzo
Sample	: l2470744-13,31,10,10,,c	Quant Date	: 12/9/2024 7:34 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A11.D
Acq On : 7 Dec 2024 4:19 pm
Operator : GONZO:MJV
Sample : l2470744-14,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 09 07:47:31 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	420425	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 89.78%			
59) Chlorobenzene-d5	9.596	117	333000	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 91.73%			
79) 1,4-Dichlorobenzene-d4	12.286	152	187088	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 88.27%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.250	113	109474	10.442	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.42%			
43) 1,2-Dichloroethane-d4	5.775	65	128425	10.632	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.32%			
60) Toluene-d8	7.743	98	412946	9.377	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.77%			
83) 4-Bromofluorobenzene	11.085	95	153694	9.373	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.73%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.497	85	160	N.D.		
3) Chloromethane	1.862	50	161	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.242	94	204	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.	d	
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	5.068	83	169	N.D.		

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A11.D
Acq On : 7 Dec 2024 4:19 pm
Operator : GONZO:MJV
Sample : l2470744-14,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 09 07:47:31 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.425	43	2676	0.762	ug/L	#	38
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	5.653	78	69	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.	d		
48) Trichloroethene	0.000		0	N.D.	d		
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.808	92	85	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	0.000		0	N.D.			
74) Ethylbenzene	9.588	91	482	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	10.764	105	415	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.085	91	536	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	0.000		0	N.D.			
89) 2-Chlorotoluene	0.000		0	N.D.			
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
91) 1,2,3-Trichloropropane	11.611	75	90	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	0.000		0	N.D.			
94) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A11.D
Acq On : 7 Dec 2024 4:19 pm
Operator : GONZO:MJV
Sample : l2470744-14,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 09 07:47:31 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.899	105	80	N.D.		
98)	sec-Butylbenzene	11.990	105	233	N.D.		
99)	p-Isopropyltoluene	12.146	119	330	N.D.		
100)	1,3-Dichlorobenzene	12.228	146	89	N.D.		
101)	1,4-Dichlorobenzene	12.302	146	262	N.D.		
102)	p-Diethylbenzene	0.000		0	N.D.		
103)	n-Butylbenzene	0.000		0	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
105)	1,2,4,5-Tetramethylben...	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	14.096	225	82	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
110)	Naphthalene	14.466	128	90	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

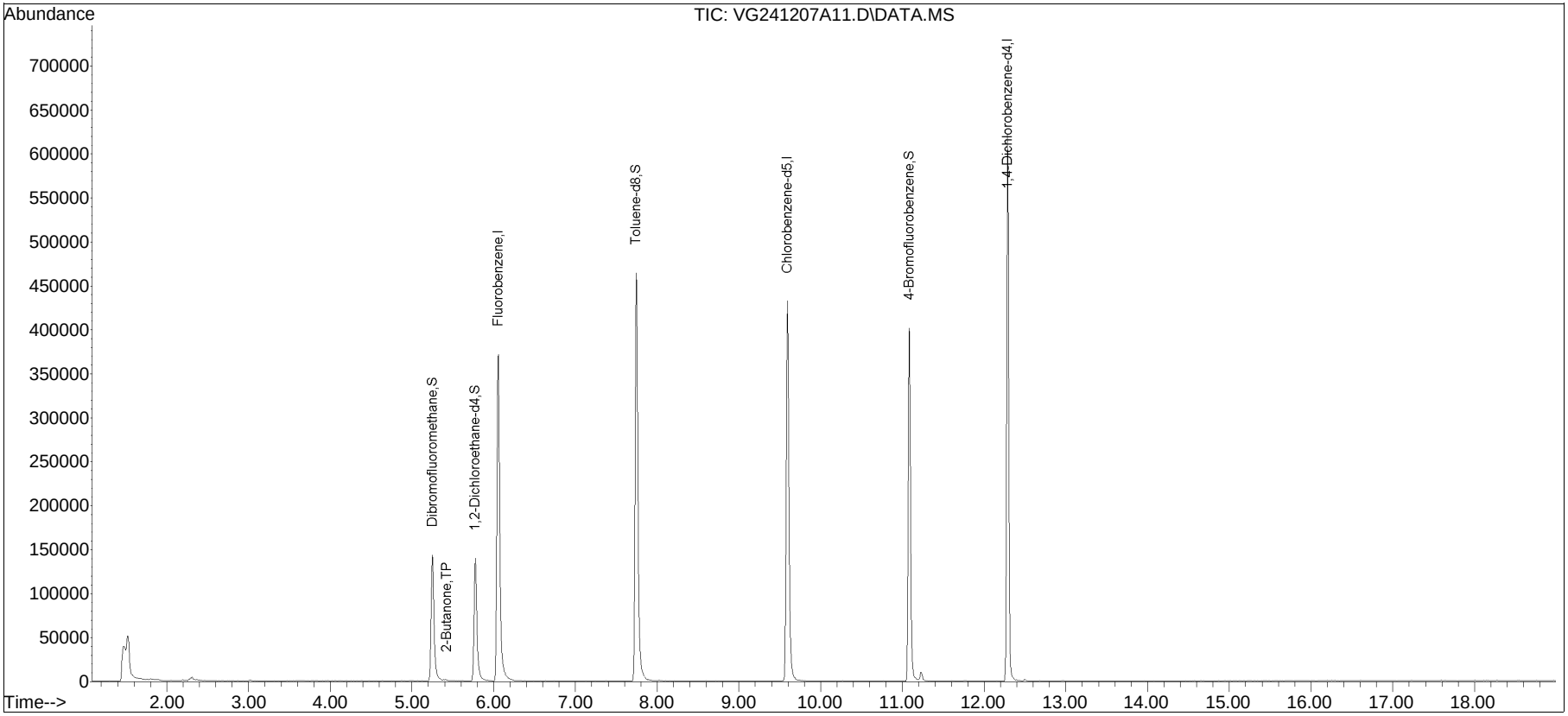
(#) = qualifier out of range (m) = manual integration (+) = signals summed

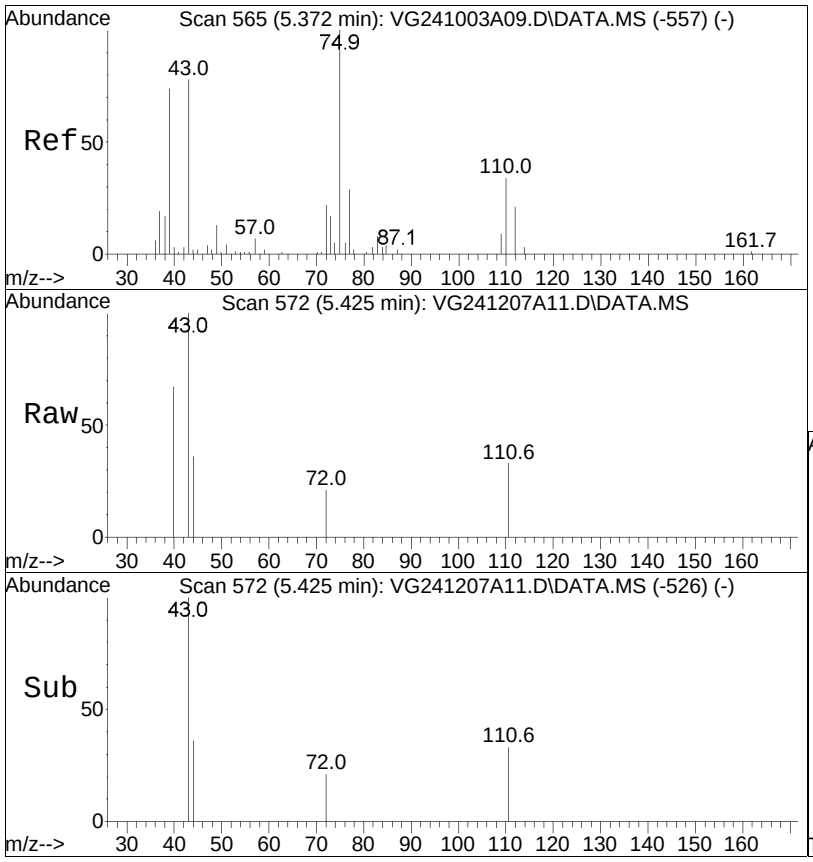
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A11.D
Acq On : 7 Dec 2024 4:19 pm
Operator : GONZO:MJV
Sample : l2470744-14,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 09 07:47:31 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

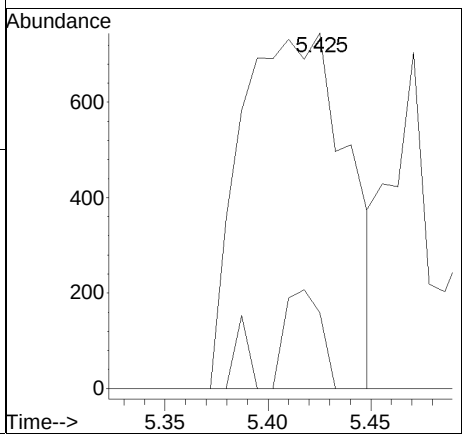




#39
2-Butanone
Concen: 0.76 ug/L
RT: 5.425 min Scan# 572
Delta R.T. 0.053 min
Lab File: VG241207A11.D
Acq: 7 Dec 2024 4:19 pm

Tgt Ion: 43 Resp: 2676

Ion	Ratio	Lower	Upper
43	100		
72	9.5	42.6	63.8#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A11.D	Operator	: GONZO:MJV
Date Inj'd	: 12/7/2024 4:19 pm	Instrument	: Gonzo
Sample	: l2470744-14,31,10,10,,a	Quant Date	: 12/9/2024 7:34 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A12.D
Acq On : 7 Dec 2024 4:43 pm
Operator : GONZO:MJV
Sample : l2470744-15,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 09 07:47:54 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	418727	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 89.41%			
59) Chlorobenzene-d5	9.596	117	322809	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 88.93%			
79) 1,4-Dichlorobenzene-d4	12.286	152	183156	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 86.42%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.251	113	106095	10.161	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.61%			
43) 1,2-Dichloroethane-d4	5.775	65	125368	10.421	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.21%			
60) Toluene-d8	7.743	98	401554	9.406	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.06%			
83) 4-Bromofluorobenzene	11.085	95	147691	9.201	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.01%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.498	85	224	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.242	94	148	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.025	76	613	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	5.076	83	4793	0.319	ug/L	95

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A12.D
Acq On : 7 Dec 2024 4:43 pm
Operator : GONZO:MJV
Sample : l2470744-15,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 09 07:47:54 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	d
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	d
48) Trichloroethene	0.000		0		N.D.	d
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.808	92	68		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	9.604	91	693		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	11.085	91	317		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	0.000		0		N.D.	
89) 2-Chlorotoluene	0.000		0		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A12.D
Acq On : 7 Dec 2024 4:43 pm
Operator : GONZO:MJV
Sample : l2470744-15,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 09 07:47:54 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.908	105	96		N.D.	
98) sec-Butylbenzene	11.908	105	96		N.D.	
99) p-Isopropyltoluene	12.154	119	104		N.D.	
100) 1,3-Dichlorobenzene	12.294	146	225		N.D.	
101) 1,4-Dichlorobenzene	12.294	146	225		N.D.	
102) p-Diethylbenzene	0.000		0		N.D.	
103) n-Butylbenzene	0.000		0		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
105) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
110) Naphthalene	14.482	128	78		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

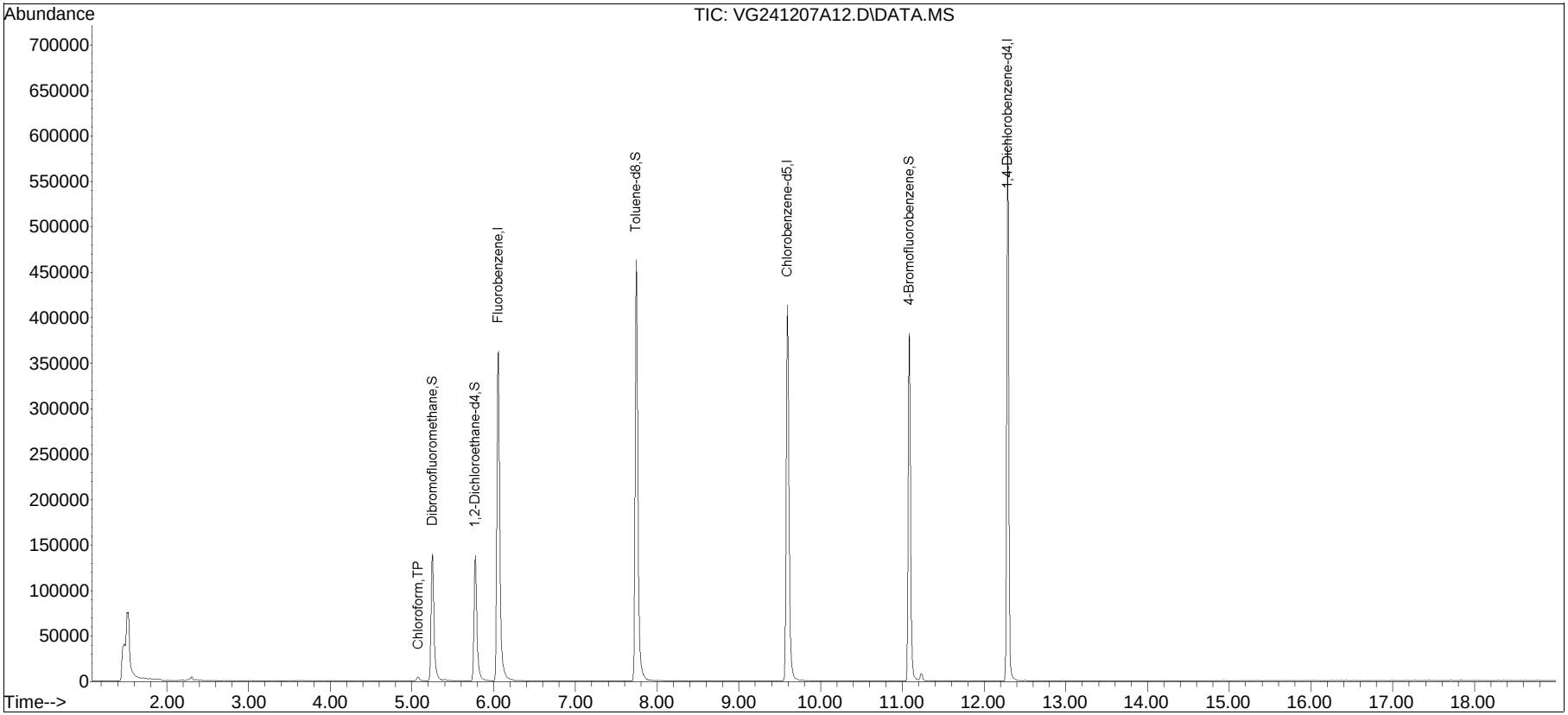
(#) = qualifier out of range (m) = manual integration (+) = signals summed

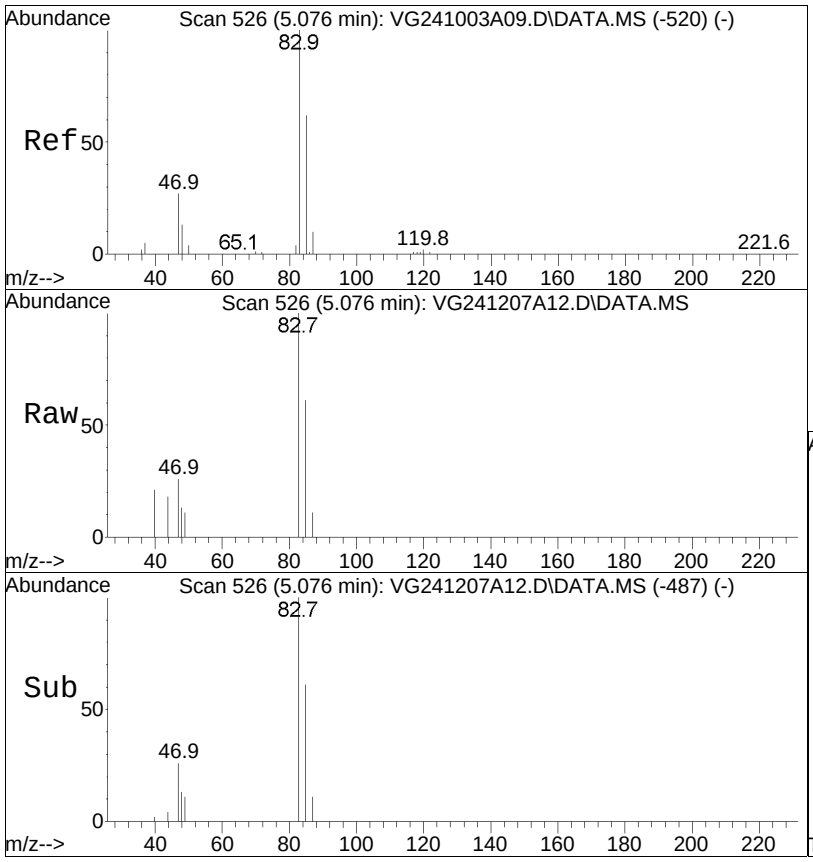
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A12.D
Acq On : 7 Dec 2024 4:43 pm
Operator : GONZO:MJV
Sample : l2470744-15,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 09 07:47:54 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1207A02.D•

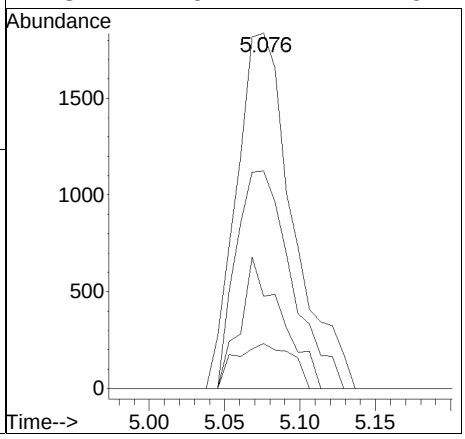




#32
Chloroform
Concen: 0.32 ug/L
RT: 5.076 min Scan# 526
Delta R.T. -0.000 min
Lab File: VG241207A12.D
Acq: 7 Dec 2024 4:43 pm

Tgt Ion: 83 Resp: 4793

Ion	Ratio	Lower	Upper
83	100		
85	60.1	41.4	86.0
47	27.2	15.1	31.3
48	12.6	7.7	16.1



Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A12.D	Operator	: GONZO:MJV
Date Inj'd	: 12/7/2024 4:43 pm	Instrument	: Gonzo
Sample	: l2470744-15,31,10,10,,a	Quant Date	: 12/9/2024 7:34 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A13.D
Acq On : 7 Dec 2024 5:07 pm
Operator : GONZO:MJV
Sample : l2470744-16,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 09 07:48:09 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.056	96	417034	10.000 ug/L	0.00
Standard Area 1 = 468300			Recovery =	89.05%	
59) Chlorobenzene-d5	9.596	117	323995	10.000 ug/L	0.00
Standard Area 1 = 363004			Recovery =	89.25%	
79) 1,4-Dichlorobenzene-d4	12.286	152	180752	10.000 ug/L	0.00
Standard Area 1 = 211946			Recovery =	85.28%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.251	113	106578	10.249 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.49%	
43) 1,2-Dichloroethane-d4	5.775	65	128496	10.725 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	107.25%	
60) Toluene-d8	7.743	98	398296	9.295 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.95%	
83) 4-Bromofluorobenzene	11.085	95	151299	9.551 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.51%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.467	85	432	N.D.	
3) Chloromethane	1.870	50	70	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.242	94	299	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	0.000		0	N.D. d	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.617	43	1640	0.718 ug/L #	56
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	3.792	73	199	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A13.D
Acq On : 7 Dec 2024 5:07 pm
Operator : GONZO:MJV
Sample : l2470744-16,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 09 07:48:09 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.402	43	3349	0.961	ug/L	#	29
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	5.653	78	88	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.		d	
48) Trichloroethene	0.000		0	N.D.		d	
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.808	92	304	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	9.612	112	76	N.D.			
74) Ethylbenzene	9.596	91	497	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	0.000		0	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.085	91	473	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	0.000		0	N.D.			
89) 2-Chlorotoluene	0.000		0	N.D.			
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
91) 1,2,3-Trichloropropane	11.233	75	170	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	0.000		0	N.D.			
94) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A13.D
Acq On : 7 Dec 2024 5:07 pm
Operator : GONZO:MJV
Sample : l2470744-16,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 09 07:48:09 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
98)	sec-Butylbenzene	0.000		0		N.D.	
99)	p-Isopropyltoluene	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	0.000		0		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	12.631	91	81		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	13.331	119	102		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
110)	Naphthalene	14.474	128	241		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

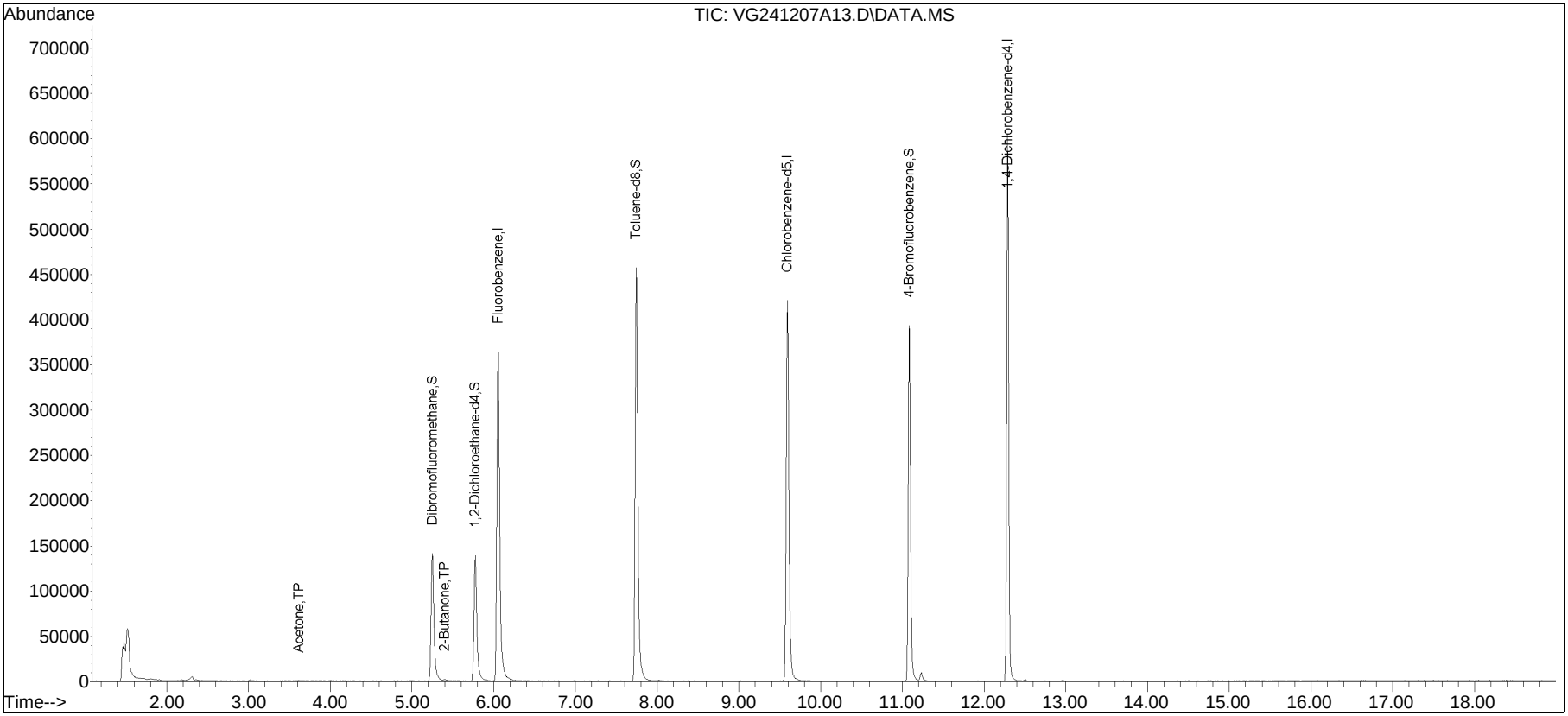
(#) = qualifier out of range (m) = manual integration (+) = signals summed

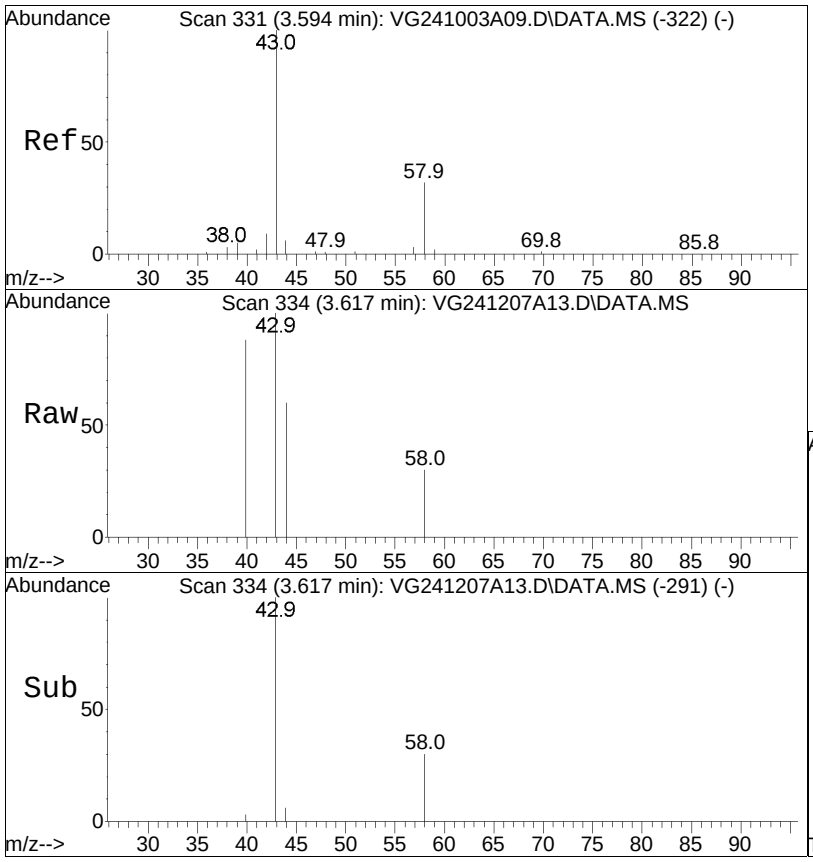
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A13.D
Acq On : 7 Dec 2024 5:07 pm
Operator : GONZO:MJV
Sample : l2470744-16,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 09 07:48:09 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1207A02.D•

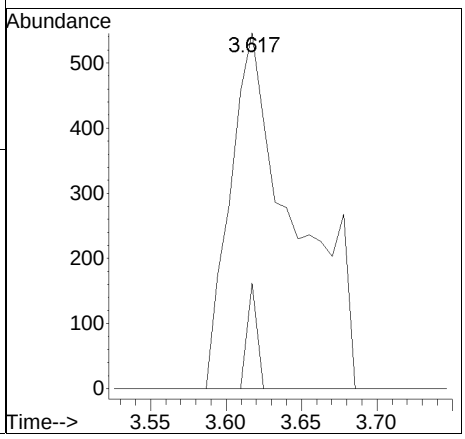


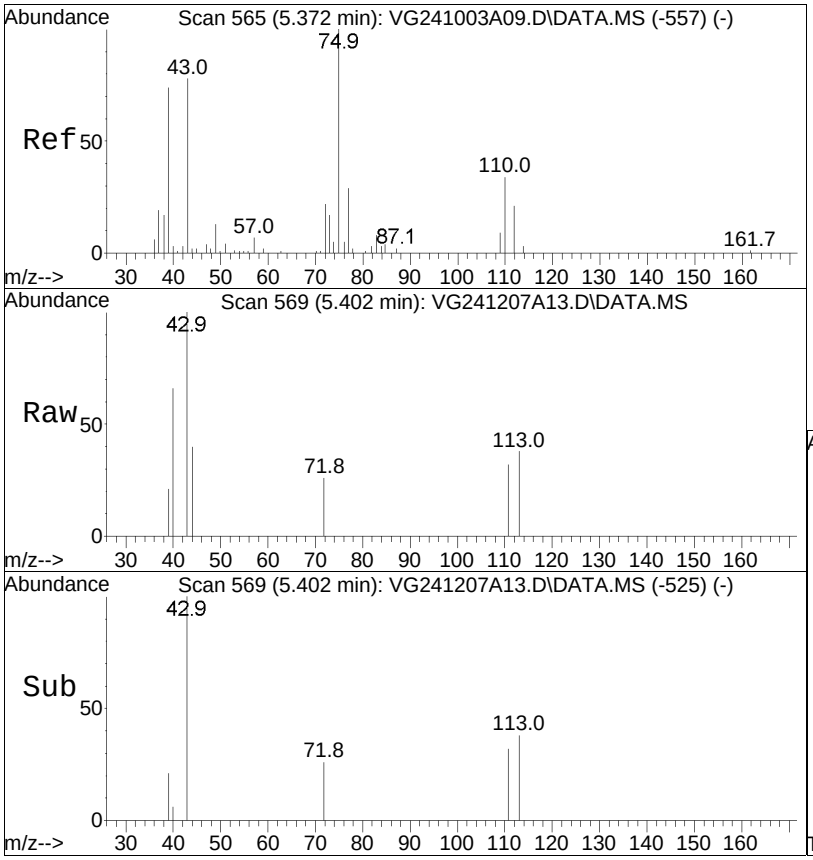


#17
Acetone
Concen: 0.72 ug/L
RT: 3.617 min Scan# 334
Delta R.T. 0.023 min
Lab File: VG241207A13.D
Acq: 7 Dec 2024 5:07 pm

Tgt Ion: 43 Resp: 1640

Ion	Ratio	Lower	Upper
43	100		
58	4.5	22.2	33.4#

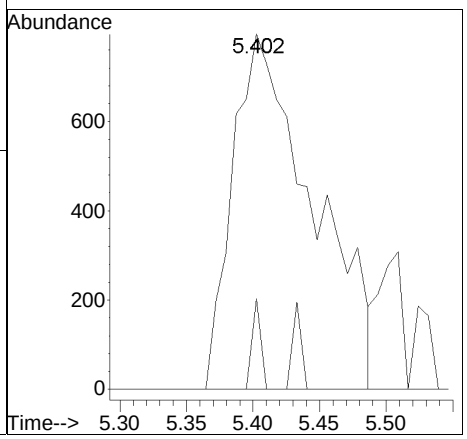




#39
2-Butanone
Concen: 0.96 ug/L
RT: 5.402 min Scan# 569
Delta R.T. 0.030 min
Lab File: VG241207A13.D
Acq: 7 Dec 2024 5:07 pm

Tgt Ion: 43 Resp: 3349

Ion	Ratio	Lower	Upper
43	100		
72	2.8	42.6	63.8#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A13.D	Operator	: GONZO:MJV
Date Inj'd	: 12/7/2024 5:07 pm	Instrument	: Gonzo
Sample	: l2470744-16,31,10,10,,a	Quant Date	: 12/9/2024 7:34 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A14.D
Acq On : 7 Dec 2024 5:31 pm
Operator : GONZO:MJV
Sample : l2470744-17,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 09 07:48:25 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.056	96	413999	10.000 ug/L	0.00
Standard Area 1 = 468300			Recovery = 88.40%		
59) Chlorobenzene-d5	9.596	117	315597	10.000 ug/L	0.00
Standard Area 1 = 363004			Recovery = 86.94%		
79) 1,4-Dichlorobenzene-d4	12.286	152	180241	10.000 ug/L	0.00
Standard Area 1 = 211946			Recovery = 85.04%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.251	113	106827	10.348 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.48%		
43) 1,2-Dichloroethane-d4	5.775	65	122662	10.313 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.13%		
60) Toluene-d8	7.743	98	396526	9.500 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.00%		
83) 4-Bromofluorobenzene	11.085	95	147420	9.332 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.32%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.475	85	144	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.242	94	70	N.D.	
6) Chloroethane	2.265	64	68	Below Cal #	41
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.009	76	564	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.610	43	739	0.326 ug/L #	68
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	5.076	83	238	N.D.	

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A14.D
Acq On : 7 Dec 2024 5:31 pm
Operator : GONZO:MJV
Sample : l2470744-17,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 09 07:48:25 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.402	43	2334	0.675	ug/L	#	30
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	0.000		0	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.	d		
48) Trichloroethene	0.000		0	N.D.	d		
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.808	92	66	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	0.000		0	N.D.			
74) Ethylbenzene	9.596	91	449	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	0.000		0	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.282	91	85	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	0.000		0	N.D.			
89) 2-Chlorotoluene	11.282	91	85	N.D.			
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
91) 1,2,3-Trichloropropane	0.000		0	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	0.000		0	N.D.			
94) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A14.D
Acq On : 7 Dec 2024 5:31 pm
Operator : GONZO:MJV
Sample : l2470744-17,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 09 07:48:25 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.908	105	87	N.D.		
98)	sec-Butylbenzene	11.908	105	87	N.D.		
99)	p-Isopropyltoluene	0.000		0	N.D.		
100)	1,3-Dichlorobenzene	12.237	146	75	N.D.		
101)	1,4-Dichlorobenzene	12.294	146	219	N.D.		
102)	p-Diethylbenzene	0.000		0	N.D.		
103)	n-Butylbenzene	0.000		0	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
105)	1,2,4,5-Tetramethylben...	0.000		0	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
110)	Naphthalene	0.000		0	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

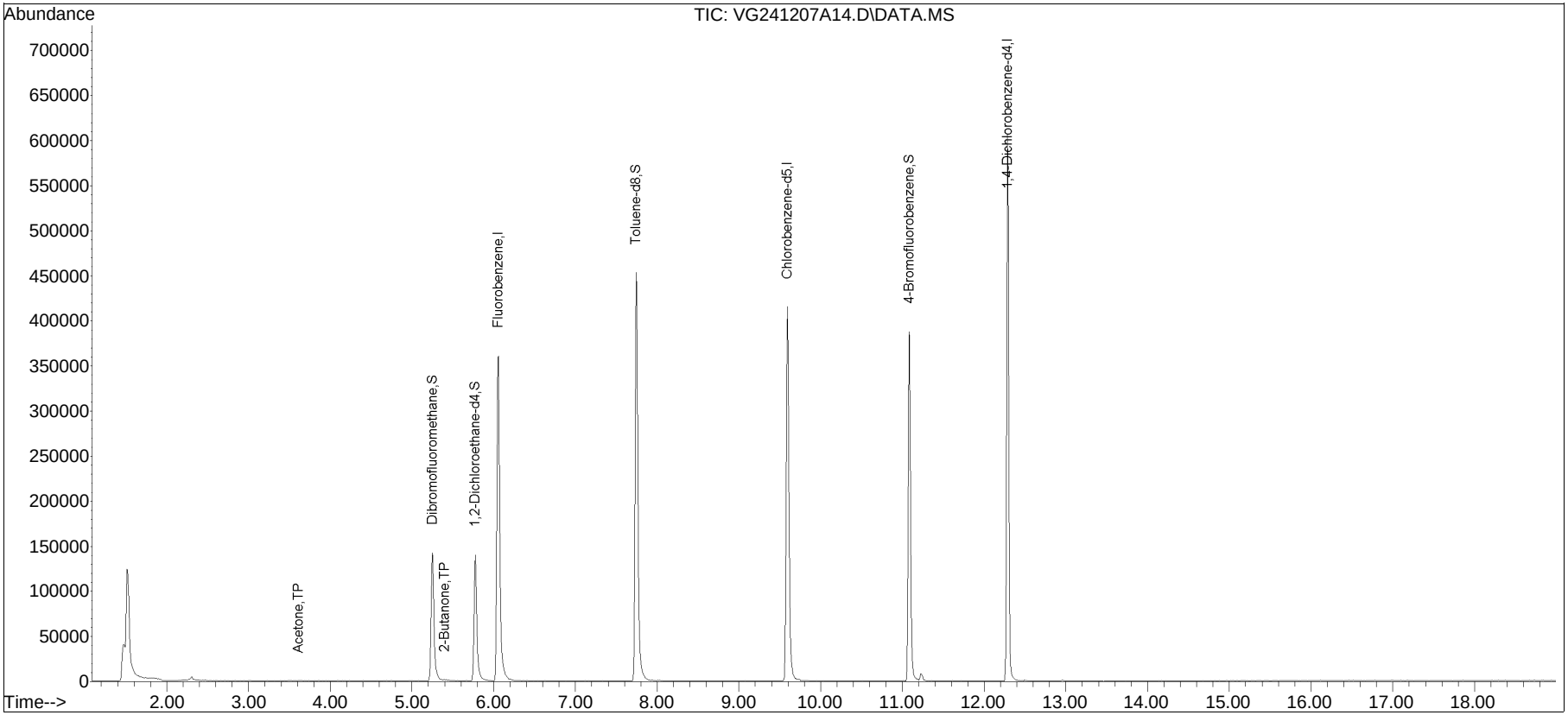
(#) = qualifier out of range (m) = manual integration (+) = signals summed

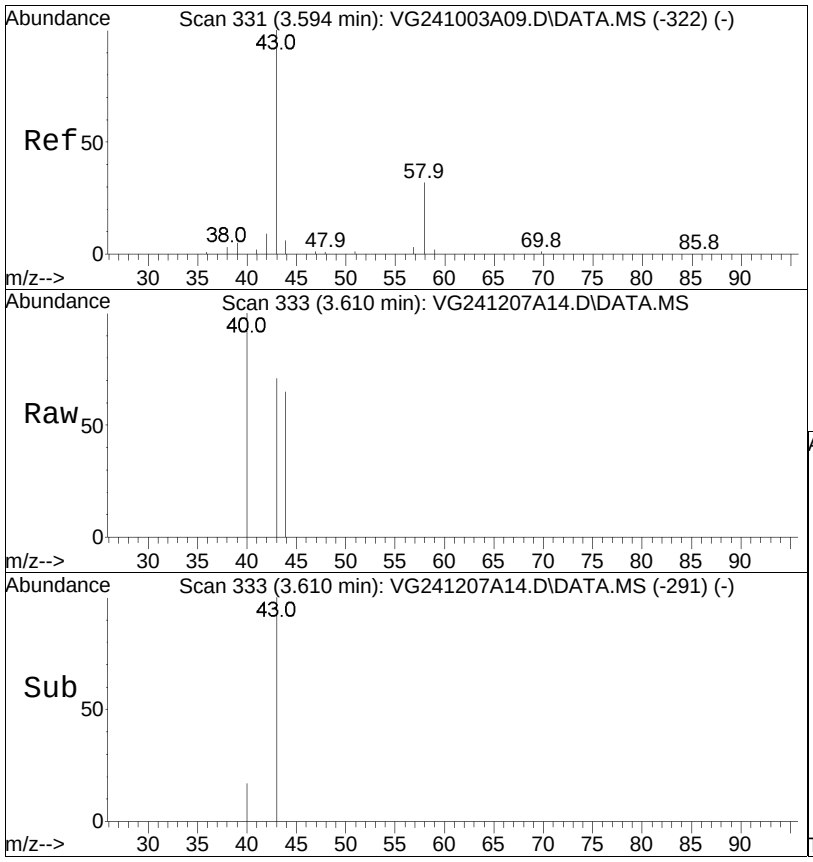
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A14.D
Acq On : 7 Dec 2024 5:31 pm
Operator : GONZO:MJV
Sample : l2470744-17,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 09 07:48:25 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1207A02.D•

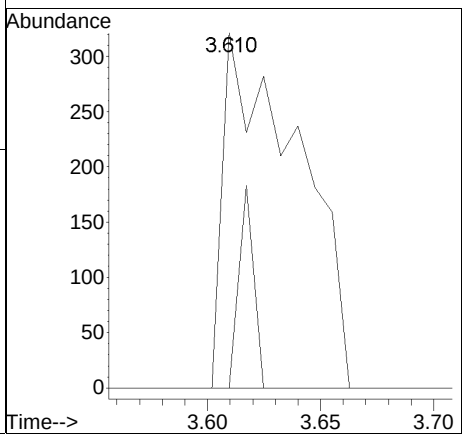


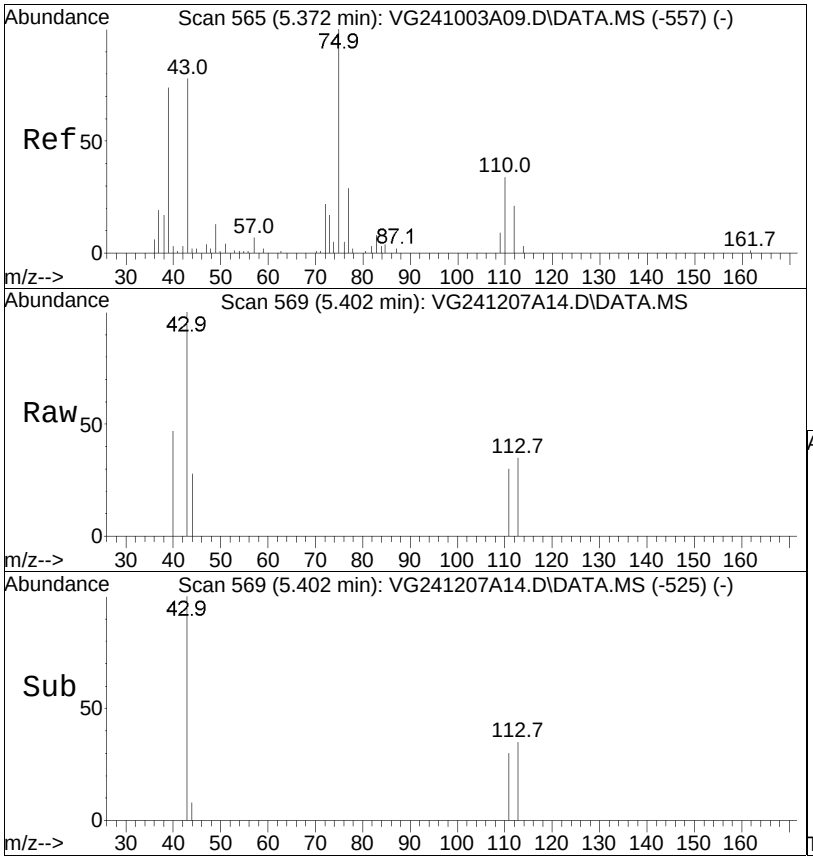


#17
Acetone
Concen: 0.33 ug/L
RT: 3.610 min Scan# 333
Delta R.T. 0.016 min
Lab File: VG241207A14.D
Acq: 7 Dec 2024 5:31 pm

Tgt Ion: 43 Resp: 739

Ion	Ratio	Lower	Upper
43	100		
58	11.2	22.2	33.4#

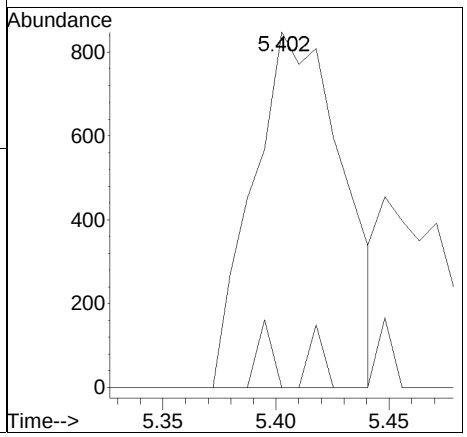




#39
2-Butanone
Concen: 0.67 ug/L
RT: 5.402 min Scan# 569
Delta R.T. 0.030 min
Lab File: VG241207A14.D
Acq: 7 Dec 2024 5:31 pm

Tgt Ion: 43 Resp: 2334

Ion	Ratio	Lower	Upper
43	100		
72	3.2	42.6	63.8#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A14.D	Operator	: GONZO:MJV
Date Inj'd	: 12/7/2024 5:31 pm	Instrument	: Gonzo
Sample	: l2470744-17,31,10,10,,a	Quant Date	: 12/9/2024 7:34 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A15.D
Acq On : 7 Dec 2024 5:55 pm
Operator : GONZO:MJV
Sample : l2470744-18,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 09 07:48:46 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	404290	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 86.33%			
59) Chlorobenzene-d5	9.596	117	312923	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 86.20%			
79) 1,4-Dichlorobenzene-d4	12.286	152	179209	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 84.55%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.251	113	103311	10.248	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.48%			
43) 1,2-Dichloroethane-d4	5.775	65	123033	10.592	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.92%			
60) Toluene-d8	7.743	98	391078	9.450	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.50%			
83) 4-Bromofluorobenzene	11.085	95	148201	9.436	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.490	85	168	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.234	94	162	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.017	76	658	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	3.792	73	906	N.D.		
23) 1,1-Dichloroethane	4.286	63	1065	0.071	ug/L #	60
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	5.076	83	2267	0.156	ug/L #	94

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A15.D
Acq On : 7 Dec 2024 5:55 pm
Operator : GONZO:MJV
Sample : l2470744-18,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 09 07:48:46 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.402	43	1884	0.558	ug/L	#	32
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	0.000		0	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.	d		
48) Trichloroethene	0.000		0	N.D.	d		
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	0.000		0	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	8.259	166	723	0.077	ug/L	#	66
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	0.000		0	N.D.			
74) Ethylbenzene	9.588	91	442	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	0.000		0	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.093	91	489	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	0.000		0	N.D.			
89) 2-Chlorotoluene	0.000		0	N.D.			
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
91) 1,2,3-Trichloropropane	11.282	75	83	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	0.000		0	N.D.			
94) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A15.D
Acq On : 7 Dec 2024 5:55 pm
Operator : GONZO:MJV
Sample : l2470744-18,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 09 07:48:46 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
98) sec-Butylbenzene	0.000		0		N.D.	
99) p-Isopropyltoluene	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	12.294	146	174		N.D.	
101) 1,4-Dichlorobenzene	12.294	146	174		N.D.	
102) p-Diethylbenzene	0.000		0		N.D.	
103) n-Butylbenzene	0.000		0		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
105) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	14.096	225	77		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
110) Naphthalene	0.000		0		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

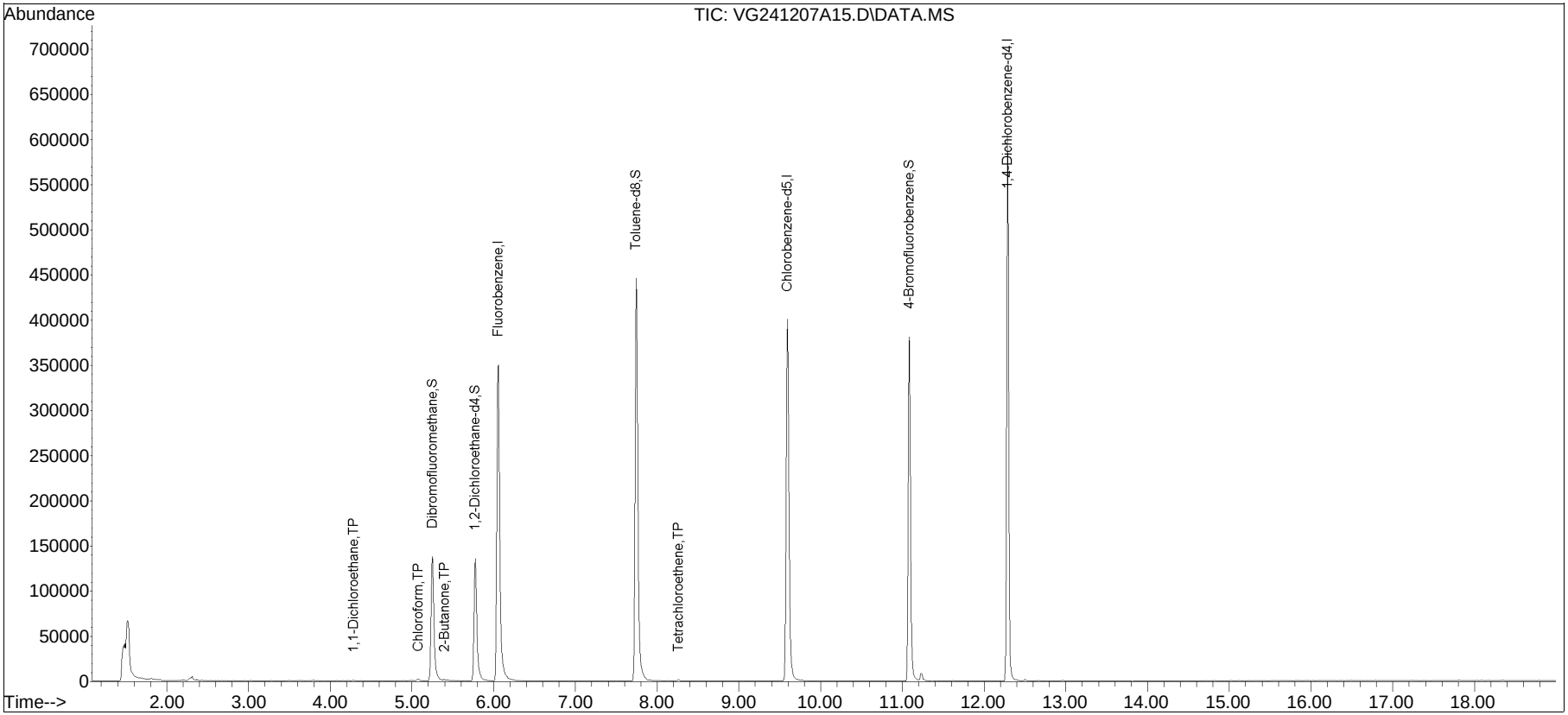
(#) = qualifier out of range (m) = manual integration (+) = signals summed

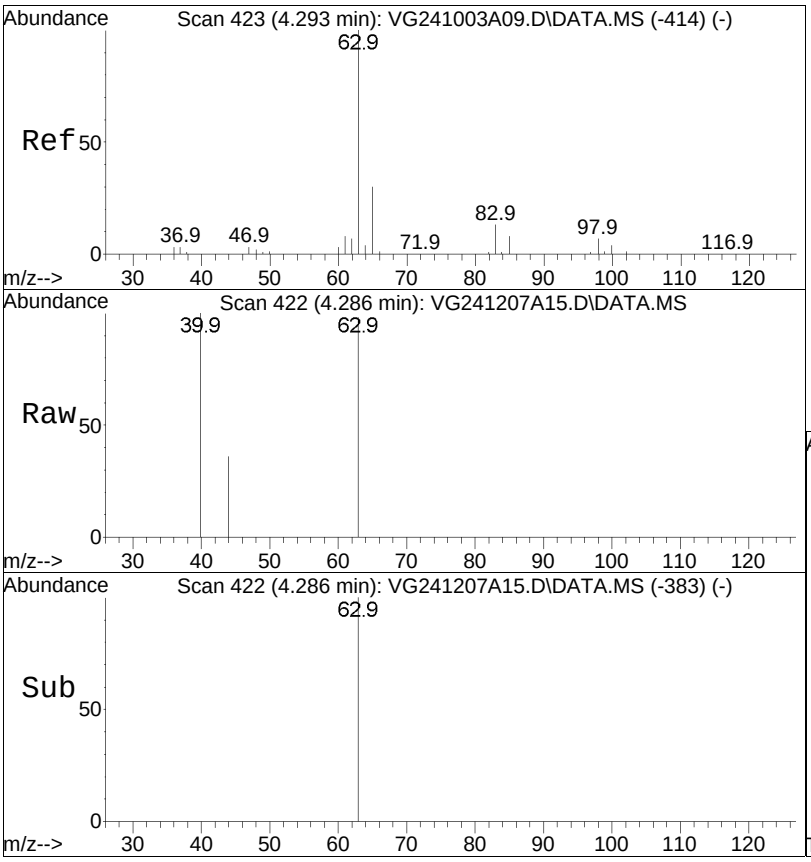
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A15.D
Acq On : 7 Dec 2024 5:55 pm
Operator : GONZO:MJV
Sample : l2470744-18,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 09 07:48:46 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1207A02.D•

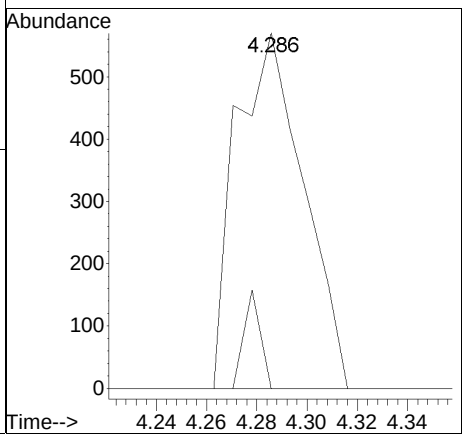


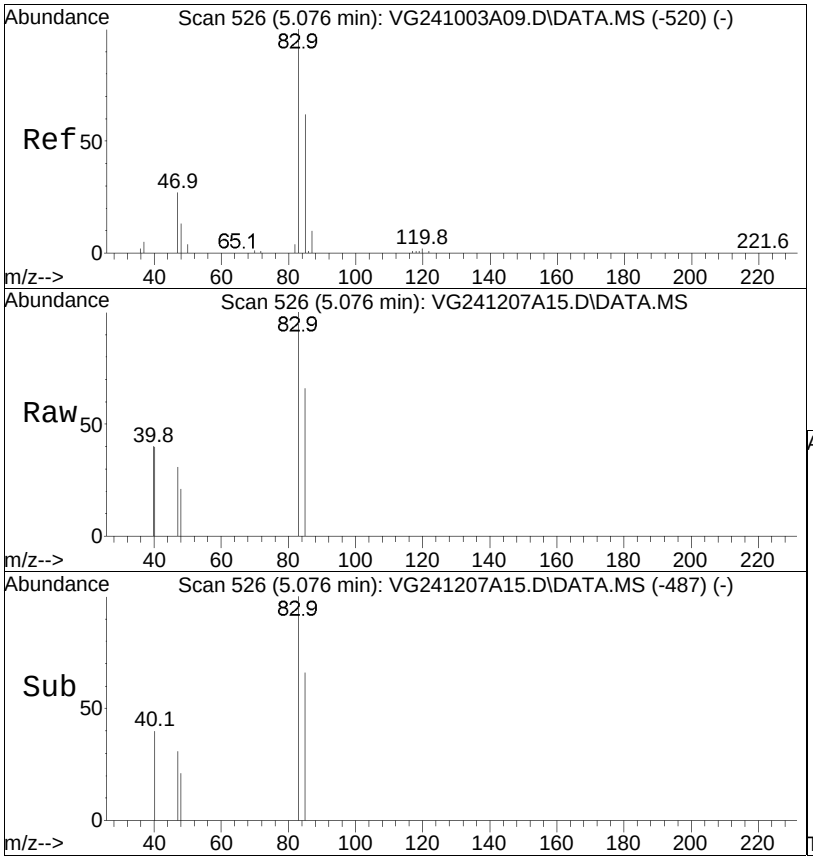


#23
1,1-Dichloroethane
Concen: 0.07 ug/L
RT: 4.286 min Scan# 422
Delta R.T. -0.007 min
Lab File: VG241207A15.D
Acq: 7 Dec 2024 5:55 pm

Tgt Ion: 63 Resp: 1065

Ion	Ratio	Lower	Upper
63	100		
65	6.8	10.4	50.4#
83	0.0	0.0	33.2

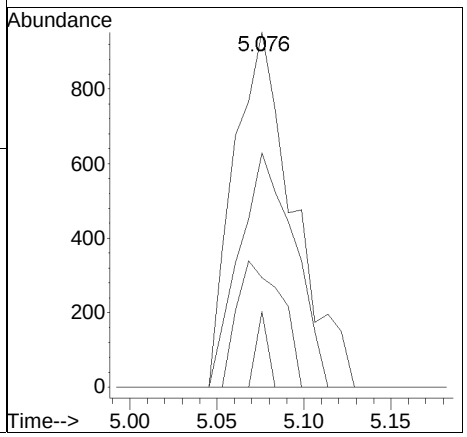


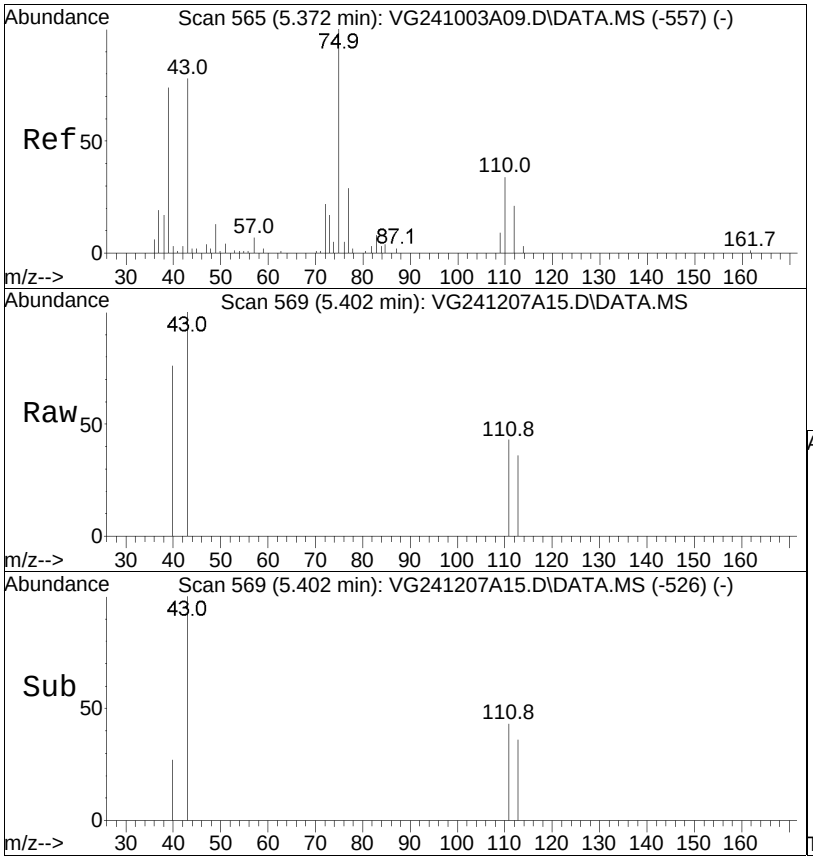


#32
Chloroform
Concen: 0.16 ug/L
RT: 5.076 min Scan# 526
Delta R.T. -0.000 min
Lab File: VG241207A15.D
Acq: 7 Dec 2024 5:55 pm

Tgt Ion: 83 Resp: 2267

Ion	Ratio	Lower	Upper
83	100		
85	61.0	41.4	86.0
47	26.6	15.1	31.3
48	4.1	7.7	16.1#

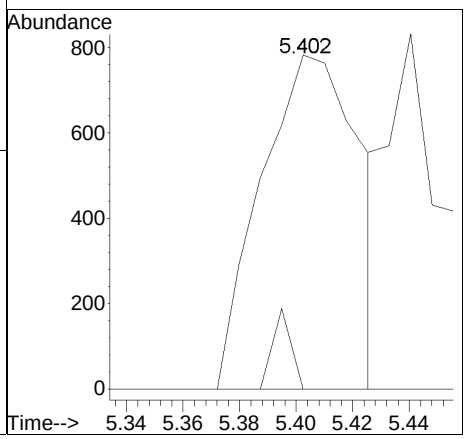


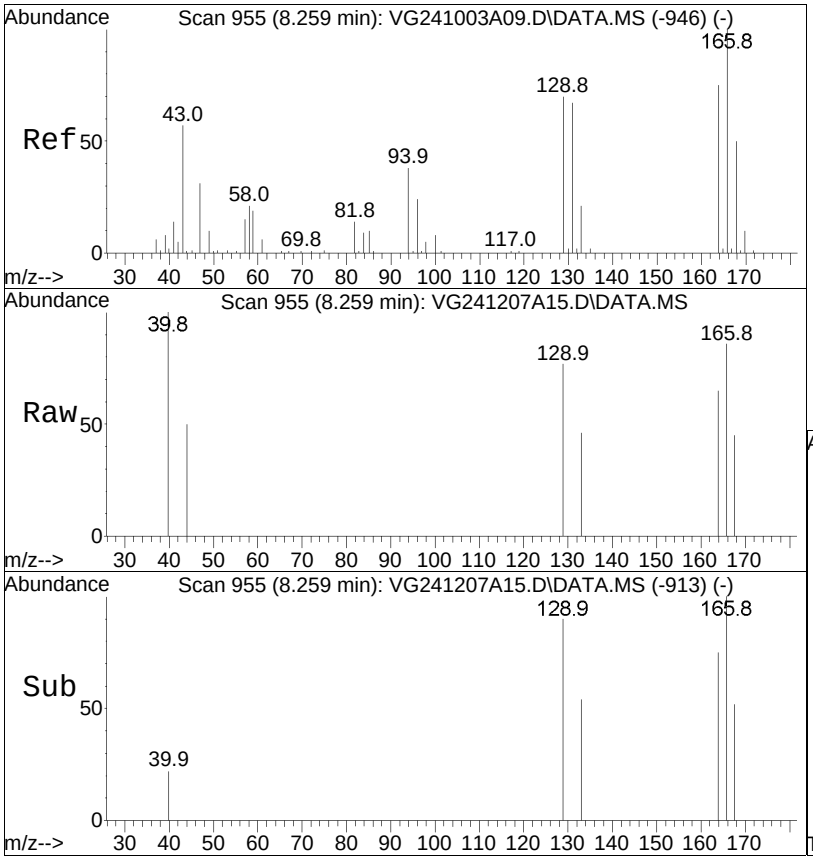


#39
2-Butanone
Concen: 0.56 ug/L
RT: 5.402 min Scan# 569
Delta R.T. 0.030 min
Lab File: VG241207A15.D
Acq: 7 Dec 2024 5:55 pm

Tgt Ion: 43 Resp: 1884

Ion	Ratio	Lower	Upper
43	100		
72	4.6	42.6	63.8#

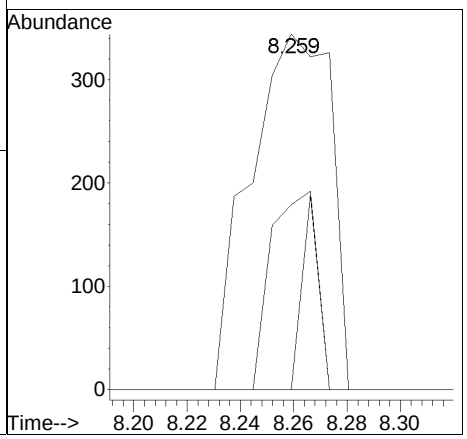




#63
Tetrachloroethene
Concen: 0.08 ug/L
RT: 8.259 min Scan# 955
Delta R.T. 0.000 min
Lab File: VG241207A15.D
Acq: 7 Dec 2024 5:55 pm

Tgt Ion:166 Resp: 723

Ion	Ratio	Lower	Upper
166	100		
168	31.5	27.3	67.3
94	11.2	20.5	60.5#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A15.D	Operator	: GONZO:MJV
Date Inj'd	: 12/7/2024 5:55 pm	Instrument	: Gonzo
Sample	: l2470744-18,31,10,10,,a	Quant Date	: 12/9/2024 7:34 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A16.D
Acq On : 7 Dec 2024 6:18 pm
Operator : GONZO:MJV
Sample : l2470744-19,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 09 07:49:02 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	399150	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 85.23%			
59) Chlorobenzene-d5	9.596	117	313733	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 86.43%			
79) 1,4-Dichlorobenzene-d4	12.286	152	180652	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 85.23%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.250	113	103373	10.386	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.86%			
43) 1,2-Dichloroethane-d4	5.775	65	121762	10.618	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.18%			
60) Toluene-d8	7.743	98	392902	9.469	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.69%			
83) 4-Bromofluorobenzene	11.085	95	146902	9.278	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.78%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.467	85	216	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.242	94	80	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.024	76	650	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	5.076	83	86	N.D.		

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A16.D
Acq On : 7 Dec 2024 6:18 pm
Operator : GONZO:MJV
Sample : l2470744-19,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 09 07:49:02 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.410	43	3418	1.025	ug/L	#	28
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	0.000		0	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.	d		
48) Trichloroethene	0.000		0	N.D.	d		
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	7.793	92	71	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	0.000		0	N.D.			
74) Ethylbenzene	9.596	91	535	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	0.000		0	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	0.000		0	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	0.000		0	N.D.			
84) Bromobenzene	0.000		0	N.D.			
85) n-Propylbenzene	11.085	91	370	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	0.000		0	N.D.			
89) 2-Chlorotoluene	0.000		0	N.D.			
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
91) 1,2,3-Trichloropropane	11.455	75	80	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	0.000		0	N.D.			
94) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A16.D
Acq On : 7 Dec 2024 6:18 pm
Operator : GONZO:MJV
Sample : l2470744-19,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 09 07:49:02 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
98)	sec-Butylbenzene	0.000		0		N.D.	
99)	p-Isopropyltoluene	12.138	119	94		N.D.	
100)	1,3-Dichlorobenzene	12.294	146	173		N.D.	
101)	1,4-Dichlorobenzene	12.294	146	173		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	0.000		0		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
110)	Naphthalene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

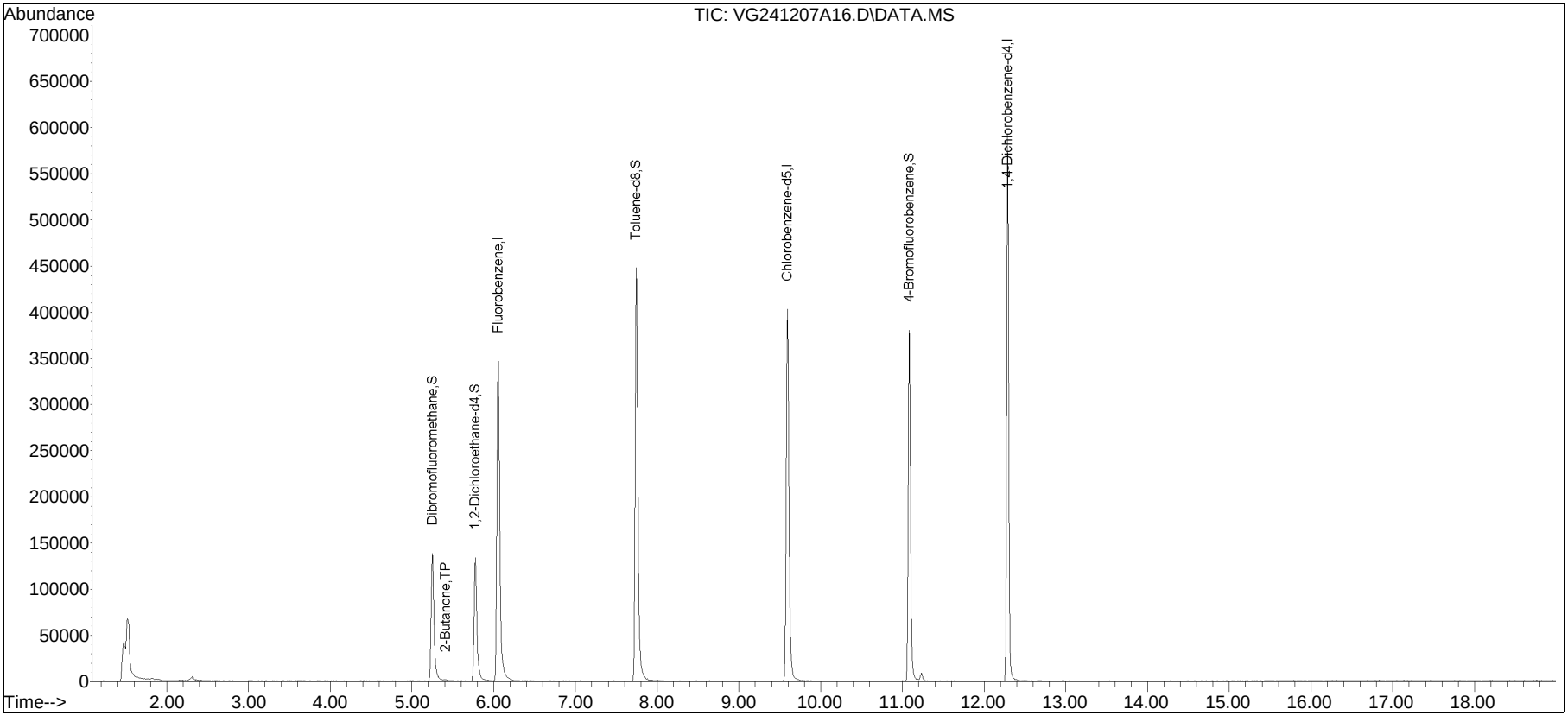
(#) = qualifier out of range (m) = manual integration (+) = signals summed

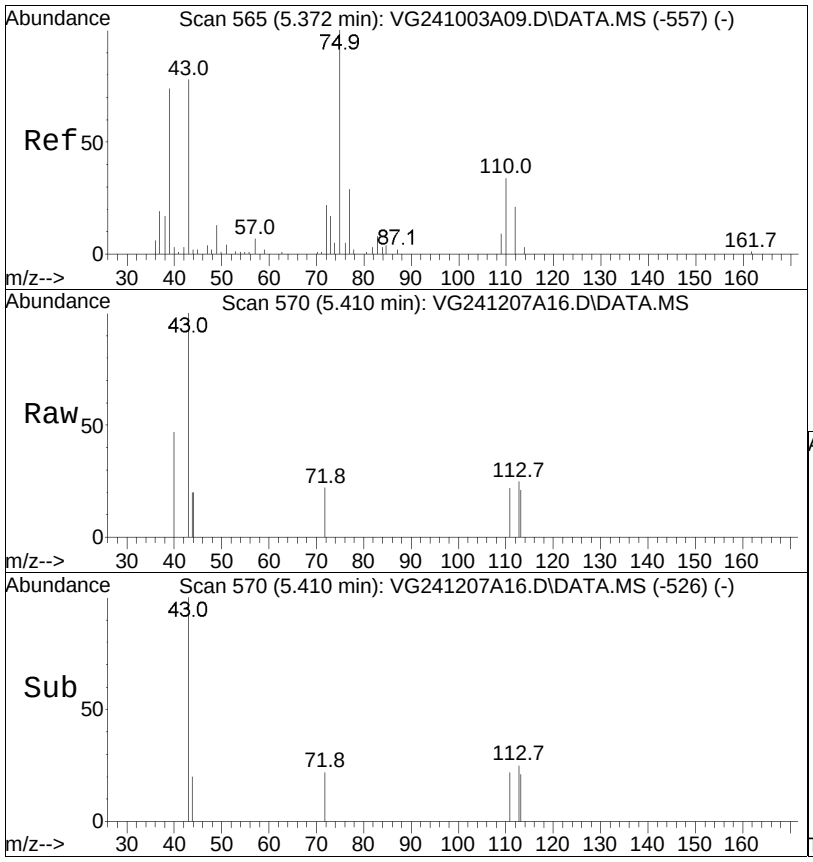
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A16.D
Acq On : 7 Dec 2024 6:18 pm
Operator : GONZO:MJV
Sample : l2470744-19,31,10,10,,a
Misc : WG2006760,ICAL21571
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 09 07:49:02 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1207A02.D•

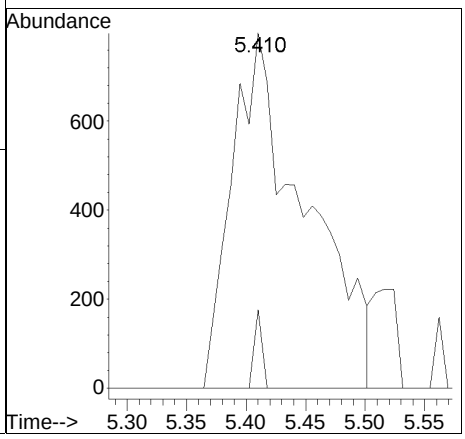




#39
2-Butanone
Concen: 1.02 ug/L
RT: 5.410 min Scan# 570
Delta R.T. 0.038 min
Lab File: VG241207A16.D
Acq: 7 Dec 2024 6:18 pm

Tgt Ion: 43 Resp: 3418

Ion	Ratio	Lower	Upper
43	100		
72	2.4	42.6	63.8#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A16.D	Operator	: GONZO:MJV
Date Inj'd	: 12/7/2024 6:18 pm	Instrument	: Gonzo
Sample	: l2470744-19,31,10,10,,a	Quant Date	: 12/9/2024 7:34 am

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2470744**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL21571**
Calibration dates	**: 10/03/24 04:54 10/03/24 08:54**		

Calibration Files
L11 =VG241003A03.D L1 =VG241003A05.D L2 =VG241003A07.D L3 =VG241003A09.D L4 =VG241003A10.D
L6 =VG241003A11.D L8 =VG241003A12.D L10 =VG241003A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.157	0.218	0.233	0.237	0.220	0.212	0.211	0.212	12.40
3)	TP	Chloromethane		0.230	0.237	0.234	0.232	0.226	0.226	0.227	0.230	1.93
4)	TP	Vinyl chloride	0.222	0.150	0.245	0.250	0.252	0.243	0.235	0.239	0.230	14.55
5)	TP	Bromomethane		0.146	0.137	0.123	0.122	0.128	0.133	0.137	0.132	6.48
6)	TP	Chloroethane		0.129	0.141	0.144	0.140	0.104	0.080	0.068	*Q	0.9905
7)	TP	Trichlorofluor		0.197	0.303	0.331	0.338	0.325	0.321	0.327	0.306	16.09
8)	TP	Ethyl ether		0.091	0.104	0.112	0.115	0.118	0.120	0.120	0.111	9.70
10)	TP	1,1-Dichloroet		0.130	0.177	0.180	0.186	0.187	0.186	0.188	0.176	11.86
11)	TP	Carbon disulfide		0.384	0.541	0.539	0.556	0.571	0.573	0.586	0.536	12.86
12)	TP	Freon-113		0.107	0.172	0.197	0.201	0.195	0.189	0.195	0.179	18.56
13)	TP	Iodomethane		0.246	0.272	0.303	0.325	0.339	0.331	0.332	0.307	11.48
14)	TP	Acrolein		0.029	0.036	0.029	0.028	0.032	0.029	0.035	0.031	10.04
15)	TP	Methylene chlo		0.203	0.218	0.208	0.209	0.215	0.216	0.215	0.212	2.51
17)	TP	Acetone			0.049	0.050	0.055	0.057	0.060	0.058	0.055	8.47
18)	TP	trans-1,2-Dich		0.130	0.197	0.196	0.200	0.205	0.205	0.206	0.191	14.32
19)	TP	Methyl acetate		0.136	0.109	0.117	0.124	0.131	0.125	0.129	0.124	7.08
20)	TP	Methyl tert butyl ether		0.555	0.636	0.627	0.654	0.684	0.683	0.686	0.646	7.28
21)	TP	tert-Butyl alc		0.019	0.020	0.019	0.020	0.021	0.021	0.021	0.020	5.39
22)	TP	Diisopropyl ether		0.581	0.689	0.726	0.750	0.774	0.777	0.794	0.727	10.11
23)	TP	1,1-Dichloroet		0.260	0.378	0.383	0.391	0.398	0.398	0.383	0.370	13.30
24)	TP	Halothane		0.105	0.145	0.158	0.165	0.164	0.164	0.164	0.152	14.38
25)	TP	Acrylonitrile		0.062	0.065	0.064	0.068	0.074	0.074	0.073	0.068	7.48
26)	TP	Ethyl tert-but		0.565	0.643	0.654	0.701	0.729	0.730	0.747	0.681	9.48
27)	TP	Vinyl acetate			0.518	0.531	0.513	0.575	0.384	0.592	0.519	14.16
28)	TP	cis-1,2-Dichlo		0.153	0.230	0.226	0.229	0.236	0.234	0.240	0.221	13.84
29)	TP	2,2-Dichloropr		0.189	0.246	0.250	0.263	0.257	0.257	0.260	0.246	10.49
30)	TP	Bromochloromet		0.089	0.111	0.103	0.103	0.103	0.099	0.098	0.101	6.75
31)	TP	Cyclohexane		0.242	0.342	0.382	0.395	0.388	0.372	0.390	0.359	15.15
32)	TP	Chloroform		0.263	0.359	0.362	0.363	0.387	0.386	0.388	0.358	12.32
33)	TP	Ethyl acetate		0.190	0.173	0.187	0.199	0.213	0.210	0.210	0.197	7.49
34)	TP	Carbon tetrachloride	0.261	0.168	0.279	0.287	0.300	0.299	0.294	0.296	0.273	16.21
35)	TP	Tetrahydrofuran		0.067	0.068	0.061	0.060	0.066	0.063	0.062	0.064	5.18
36)	S	Dibromofluoromethane	0.255	0.248	0.247	0.251	0.247	0.248	0.251	0.249	0.249	1.10
37)	TP	1,1,1-Trichlor		0.212	0.316	0.332	0.342	0.340	0.334	0.337	0.316	14.77
39)	TP	2-Butanone		0.086	0.065	0.077	0.082	0.092	0.091	0.091	0.084	11.73

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2470744**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL21571**
Calibration dates	**: 10/03/24 04:54 10/03/24 08:54**		

Calibration Files
L11 =VG241003A03.D L1 =VG241003A05.D L2 =VG241003A07.D L3 =VG241003A09.D L4 =VG241003A10.D
L6 =VG241003A11.D L8 =VG241003A12.D L10 =VG241003A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.166	0.253	0.284	0.290	0.290	0.286	0.288	0.265	17.20
41) TP	Benzene	0.787	0.572	0.815	0.858	0.880	0.901	0.890	0.896	0.825	13.34
42) TP	Tertiary-Amyl Methyl Ether		0.473	0.583	0.596	0.618	0.639	0.637	0.643	0.598	9.98
43) S	1,2-Dichloroethane-d4	0.287	0.281	0.283	0.297	0.281	0.281	0.287	0.302	0.287	2.80
44) TP	1,2-Dichloroet		0.244	0.287	0.277	0.284	0.287	0.286	0.290	0.279	5.74
47) TP	Methyl cyclohe		0.217	0.282	0.329	0.335	0.321	0.300	0.315	0.300	13.54
48) TP	Trichloroethene	0.271	0.156	0.221	0.218	0.227	0.224	0.234	0.220	0.221	14.27
50) TP	Dibromomethane		0.103	0.133	0.124	0.127	0.133	0.131	0.131	0.126	8.58
51) TP	1,2-Dichloropr		0.163	0.223	0.215	0.223	0.226	0.223	0.225	0.214	10.72
53) TP	2-Chloroethyl		0.099	0.129	0.126	0.132	0.141	0.139	0.139	0.129	11.23
54) TP	Bromodichlorom		0.230	0.282	0.294	0.298	0.308	0.304	0.306	0.289#	9.54
57) TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	3.91
58) TP	cis-1,3-Dichloropropene	0.325	0.253	0.327	0.331	0.340	0.347	0.346	0.347	0.327	9.52
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.314	1.332	1.318	1.309	1.324	1.310	1.332	1.342	1.323	0.91
61) TP	Toluene		0.545	0.718	0.716	0.729	0.729	0.722	0.712	0.696	9.59
62) TP	4-Methyl-2-pen		0.092	0.098	0.091	0.097	0.101	0.102	0.101	0.097	4.39
63) TP	Tetrachloroethene		0.237	0.292	0.314	0.322	0.317	0.313	0.311	0.301	9.84
65) TP	trans-1,3-Dichloropropene	0.424	0.306	0.394	0.393	0.416	0.431	0.438	0.443	0.406	10.96
67) TP	Ethyl methacry		0.274	0.357	0.351	0.369	0.387	0.390	0.392	0.360	11.46
68) TP	1,1,2-Trichlor		0.203	0.212	0.203	0.211	0.217	0.218	0.218	0.212	3.10
69) TP	Chlorodibromom		0.212	0.283	0.291	0.307	0.318	0.319	0.319	0.293	13.14
70) TP	1,3-Dichloropr		0.363	0.428	0.417	0.427	0.434	0.435	0.436	0.420	6.16
71) TP	1,2-Dibromoethane		0.210	0.250	0.251	0.256	0.262	0.263	0.262	0.250	7.43
72) TP	2-Hexanone		0.138	0.170	0.162	0.179	0.188	0.193	0.191	0.174	11.34
73) TP	Chlorobenzene		0.544	0.761	0.763	0.773	0.796	0.798	0.800	0.748	12.24
74) TP	Ethylbenzene		0.993	1.323	1.332	1.384	1.434	1.441	1.455	1.337	12.01
75) TP	1,1,1,2-Tetrac		0.212	0.277	0.287	0.300	0.309	0.309	0.311	0.287	12.36
76) TP	p/m Xylene		0.357	0.511	0.520	0.536	0.544	0.543	0.551	0.509	13.45
77) TP	o Xylene		0.339	0.493	0.505	0.523	0.528	0.531	0.531	0.493	14.07
78) TP	Styrene		0.581	0.817	0.859	0.898	0.938	0.938		0.839	16.08
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.246	0.325	0.343	0.386	0.410	0.408	0.398	0.359	16.63
82) TP	Isopropylbenzene		1.496	2.138	2.263	2.364	2.426	2.386	2.401	2.211	14.95
83) S	4-Bromofluorobenzene	0.890	0.884	0.867	0.856	0.865	0.885	0.880	0.885	0.876	1.38
84) TP	Bromobenzene		0.450	0.629	0.619	0.628	0.632	0.623	0.609	0.598	11.01

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2470744**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL21571**
Calibration dates	**: 10/03/24 04:54 10/03/24 08:54**		

Calibration Files
L11 =VG241003A03.D L1 =VG241003A05.D L2 =VG241003A07.D L3 =VG241003A09.D L4 =VG241003A10.D
L6 =VG241003A11.D L8 =VG241003A12.D L10 =VG241003A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		1.734	2.567	2.600	2.741	2.849	2.792	2.737	2.574	14.90
86) TP	1,4-Dichlorobu		0.759	0.814	0.832	0.881	0.934	0.936	0.936	0.870	8.08
87) TP	1,1,2,2-Tetrac		0.491	0.558	0.544	0.567	0.604	0.552	0.601	0.560	6.83
88) TP	4-Ethyltoluene		1.451	2.043	2.136	2.236	2.319	2.282	2.287	2.108	14.48
89) TP	2-Chlorotoluene		1.097	1.560	1.551	1.646	1.709	1.691	1.737	1.570	14.05
90) TP	1,3,5-Trimethy		1.387	1.807	1.888	1.984	2.020	1.986	1.991	1.866	12.01
91) TP	1,2,3-Trichlor		0.385	0.442	0.437	0.475	0.497	0.491	0.473	0.457	8.55
92) TP	trans-1,4-Dich		0.152	0.172	0.173	0.187	0.202	0.204	0.202	0.184	10.76
93) TP	4-Chlorotoluene		1.185	1.606	1.676	1.722	1.796	1.780	1.804	1.653	13.20
94) TP	tert-Butylbenzene		1.012	1.470	1.521	1.575	1.586	1.570	1.568	1.472	14.04
97) TP	1,2,4-Trimethy		1.310	1.783	1.824	1.912	1.971	1.963	1.984	1.821	13.07
98) TP	sec-Butylbenzene		1.410	2.016	2.190	2.310	2.335	2.303	2.298	2.123	15.70
99) TP	p-Isopropyltol		1.252	1.735	1.852	1.911	1.953	1.940	1.962	1.801	14.14
100) TP	1,3-Dichlorobe		0.838	1.090	1.087	1.145	1.166	1.145	1.158	1.090	10.59
101) TP	1,4-Dichlorobe		0.928	1.180	1.126	1.163	1.183	1.162	1.183	1.132	8.15
102) TP	p-Diethylbenzene		0.682	0.978	1.024	1.066	1.110	1.095	1.116	1.010	15.14
103) TP	n-Butylbenzene		0.998	1.315	1.475	1.522	1.613	1.594	1.633	1.450	15.65
104) TP	1,2-Dichlorobe		0.792	1.071	1.077	1.089	1.116	1.097	1.115	1.051	11.00
105) TP	1,2,4,5-Tetram		1.021	1.340	1.393	1.455	1.548	1.572	1.615	1.421	14.22
106) TP	1,2-Dibromo-3-		0.083	0.086	0.087	0.095	0.099	0.103	0.099	0.093	8.28
107) TP	1,3,5-Trichlor		0.504	0.656	0.671	0.706	0.714	0.699	0.679	0.661	10.95
108) TP	Hexachlorobuta		0.171	0.195	0.211	0.226	0.236	0.226	0.222	0.212	10.54
109) TP	1,2,4-Trichlor		0.406	0.534	0.574	0.603	0.626	0.604	0.581	0.561	13.27
110) TP	Naphthalene		0.884	1.087	1.139	1.229	1.333	1.340	1.307	1.188	13.93
111) TP	1,2,3-Trichlor		0.370	0.449	0.476	0.502	0.524	0.503	0.463	0.469	10.85

Response Factor Report Gonzo

Method Path : K:\Gonzo\2024\241003AICAL\
Method File : G_241003A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Oct 04 09:30:18 2024
Response Via : Initial Calibration

Calibration Files
L11 =VG241003A03.D L1 =VG241003A05.D L2 =VG241003A07.D L3 =VG241003A09.D L4 =VG241003A10.D
L6 =VG241003A11.D L8 =VG241003A12.D L10 =VG241003A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.157	0.218	0.233	0.237	0.220	0.212	0.211	0.212	12.40
3)	TP	Chloromethane		0.230	0.237	0.234	0.232	0.226	0.226	0.227	0.230	1.93
4)	TP	Vinyl chloride	0.222	0.150	0.245	0.250	0.252	0.243	0.235	0.239	0.230	14.55
5)	TP	Bromomethane		0.146	0.137	0.123	0.122	0.128	0.133	0.137	0.132	6.48
6)	TP	Chloroethane		0.129	0.141	0.144	0.140	0.104	0.080	0.068	*Q	0.9905
7)	TP	Trichlorofluor...		0.197	0.303	0.331	0.338	0.325	0.321	0.327	0.306	16.09
8)	TP	Ethyl ether		0.091	0.104	0.112	0.115	0.118	0.120	0.120	0.111	9.70
10)	TP	1,1-Dichloroet...		0.130	0.177	0.180	0.186	0.187	0.186	0.188	0.176	11.86
11)	TP	Carbon disulfide		0.384	0.541	0.539	0.556	0.571	0.573	0.586	0.536	12.86
12)	TP	Freon-113		0.107	0.172	0.197	0.201	0.195	0.189	0.195	0.179	18.56
13)	TP	Iodomethane		0.246	0.272	0.303	0.325	0.339	0.331	0.332	0.307	11.48
14)	TP	Acrolein		0.029	0.036	0.029	0.028	0.032	0.029	0.035	0.031	10.04
15)	TP	Methylene chlo...		0.203	0.218	0.208	0.209	0.215	0.216	0.215	0.212	2.51
17)	TP	Acetone			0.049	0.050	0.055	0.057	0.060	0.058	0.055	8.47
18)	TP	trans-1,2-Dich...		0.130	0.197	0.196	0.200	0.205	0.205	0.206	0.191	14.32
19)	TP	Methyl acetate		0.136	0.109	0.117	0.124	0.131	0.125	0.129	0.124	7.08
20)	TP	Methyl tert-bu...		0.555	0.636	0.627	0.654	0.684	0.683	0.686	0.646	7.28
21)	TP	tert-Butyl alc...		0.019	0.020	0.019	0.020	0.021	0.021	0.021	0.020	5.39
22)	TP	Diisopropyl ether		0.581	0.689	0.726	0.750	0.774	0.777	0.794	0.727	10.11
23)	TP	1,1-Dichloroet...		0.260	0.378	0.383	0.391	0.398	0.398	0.383	0.370	13.30
24)	TP	Halothane		0.105	0.145	0.158	0.165	0.164	0.164	0.164	0.152	14.38
25)	TP	Acrylonitrile		0.062	0.065	0.064	0.068	0.074	0.074	0.073	0.068	7.48
26)	TP	Ethyl tert-but...		0.565	0.643	0.654	0.701	0.729	0.730	0.747	0.681	9.48
27)	TP	Vinyl acetate			0.518	0.531	0.513	0.575	0.384	0.592	0.519	14.16
28)	TP	cis-1,2-Dichlo...		0.153	0.230	0.226	0.229	0.236	0.234	0.240	0.221	13.84
29)	TP	2,2-Dichloropr...		0.189	0.246	0.250	0.263	0.257	0.257	0.260	0.246	10.49
30)	TP	Bromochloromet...		0.089	0.111	0.103	0.103	0.103	0.099	0.098	0.101	6.75
31)	TP	Cyclohexane		0.242	0.342	0.382	0.395	0.388	0.372	0.390	0.359	15.15
32)	TP	Chloroform		0.263	0.359	0.362	0.363	0.387	0.386	0.388	0.358	12.32
33)	TP	Ethyl acetate		0.190	0.173	0.187	0.199	0.213	0.210	0.210	0.197	7.49

Response Factor Report Gonzo

Method Path : K:\Gonzo\2024\241003AICAL\
Method File : G_241003A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Oct 04 09:30:18 2024
Response Via : Initial Calibration

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		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.261	0.168	0.279	0.287	0.300	0.299	0.294	0.296	0.273	16.21
35)	TP	Tetrahydrofuran		0.067	0.068	0.061	0.060	0.066	0.063	0.062	0.064	5.18
36)	S	Dibromofluorom...	0.255	0.248	0.247	0.251	0.247	0.248	0.251	0.249	0.249	1.10
37)	TP	1,1,1-Trichlor...		0.212	0.316	0.332	0.342	0.340	0.334	0.337	0.316	14.77
39)	TP	2-Butanone		0.086	0.065	0.077	0.082	0.092	0.091	0.091	0.084	11.73
40)	TP	1,1-Dichloropr...		0.166	0.253	0.284	0.290	0.290	0.286	0.288	0.265	17.20
41)	TP	Benzene	0.787	0.572	0.815	0.858	0.880	0.901	0.890	0.896	0.825	13.34
42)	TP	tert-Amyl meth...		0.473	0.583	0.596	0.618	0.639	0.637	0.643	0.598	9.98
43)	S	1,2-Dichloroet...	0.287	0.281	0.283	0.297	0.281	0.281	0.287	0.302	0.287	2.80
44)	TP	1,2-Dichloroet...		0.244	0.287	0.277	0.284	0.287	0.286	0.290	0.279	5.74
47)	TP	Methyl cyclohe...		0.217	0.282	0.329	0.335	0.321	0.300	0.315	0.300	13.54
48)	TP	Trichloroethene	0.271	0.156	0.221	0.218	0.227	0.224	0.234	0.220	0.221	14.27
50)	TP	Dibromomethane		0.103	0.133	0.124	0.127	0.133	0.131	0.131	0.126	8.58
51)	TP	1,2-Dichloropr...		0.163	0.223	0.215	0.223	0.226	0.223	0.225	0.214	10.72
53)	TP	2-Chloroethyl ...		0.099	0.129	0.126	0.132	0.141	0.139	0.139	0.129	11.23
54)	TP	Bromodichlorom...		0.230	0.282	0.294	0.298	0.308	0.304	0.306	0.289#	9.54
57)	TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	3.91
58)	TP	cis-1,3-Dichlo...	0.325	0.253	0.327	0.331	0.340	0.347	0.346	0.347	0.327	9.52
59)	I	Chlorobenzene-d5	----------	ISTD	----------							
60)	S	Toluene-d8	1.314	1.332	1.318	1.309	1.324	1.310	1.332	1.342	1.323	0.91
61)	TP	Toluene		0.545	0.718	0.716	0.729	0.729	0.722	0.712	0.696	9.59
62)	TP	4-Methyl-2-pen...		0.092	0.098	0.091	0.097	0.101	0.102	0.101	0.097	4.39
63)	TP	Tetrachloroethene		0.237	0.292	0.314	0.322	0.317	0.313	0.311	0.301	9.84
65)	TP	trans-1,3-Dich...	0.424	0.306	0.394	0.393	0.416	0.431	0.438	0.443	0.406	10.96
67)	TP	Ethyl methacry...		0.274	0.357	0.351	0.369	0.387	0.390	0.392	0.360	11.46
68)	TP	1,1,2-Trichlor...		0.203	0.212	0.203	0.211	0.217	0.218	0.218	0.212	3.10
69)	TP	Chlorodibromom...		0.212	0.283	0.291	0.307	0.318	0.319	0.319	0.293	13.14
70)	TP	1,3-Dichloropr...		0.363	0.428	0.417	0.427	0.434	0.435	0.436	0.420	6.16
71)	TP	1,2-Dibromoethane		0.210	0.250	0.251	0.256	0.262	0.263	0.262	0.250	7.43
72)	TP	2-Hexanone		0.138	0.170	0.162	0.179	0.188	0.193	0.191	0.174	11.34
73)	TP	Chlorobenzene		0.544	0.761	0.763	0.773	0.796	0.798	0.800	0.748	12.24

Method Path : K:\Gonzo\2024\241003AICAL\
Method File : G_241003A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Oct 04 09:30:18 2024
Response Via : Initial Calibration

Calibration Files
L11 =VG241003A03.D L1 =VG241003A05.D L2 =VG241003A07.D L3 =VG241003A09.D L4 =VG241003A10.D
L6 =VG241003A11.D L8 =VG241003A12.D L10 =VG241003A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TP	Ethylbenzene		0.993	1.323	1.332	1.384	1.434	1.441	1.455	1.337	12.01
75)	TP	1,1,1,2-Tetrac...		0.212	0.277	0.287	0.300	0.309	0.309	0.311	0.287	12.36
76)	TP	p/m Xylene		0.357	0.511	0.520	0.536	0.544	0.543	0.551	0.509	13.45
77)	TP	o Xylene		0.339	0.493	0.505	0.523	0.528	0.531	0.531	0.493	14.07
78)	TP	Styrene		0.581	0.817	0.859	0.898	0.938	0.938		0.839	16.08
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.246	0.325	0.343	0.386	0.410	0.408	0.398	0.359	16.63
82)	TP	Isopropylbenzene		1.496	2.138	2.263	2.364	2.426	2.386	2.401	2.211	14.95
83)	S	4-Bromofluorob...	0.890	0.884	0.867	0.856	0.865	0.885	0.880	0.885	0.876	1.38
84)	TP	Bromobenzene		0.450	0.629	0.619	0.628	0.632	0.623	0.609	0.598	11.01
85)	TP	n-Propylbenzene		1.734	2.567	2.600	2.741	2.849	2.792	2.737	2.574	14.90
86)	TP	1,4-Dichlorobu...		0.759	0.814	0.832	0.881	0.934	0.936	0.936	0.870	8.08
87)	TP	1,1,2,2-Tetrac...		0.491	0.558	0.544	0.567	0.604	0.552	0.601	0.560	6.83
88)	TP	4-Ethyltoluene		1.451	2.043	2.136	2.236	2.319	2.282	2.287	2.108	14.48
89)	TP	2-Chlorotoluene		1.097	1.560	1.551	1.646	1.709	1.691	1.737	1.570	14.05
90)	TP	1,3,5-Trimethy...		1.387	1.807	1.888	1.984	2.020	1.986	1.991	1.866	12.01
91)	TP	1,2,3-Trichlor...		0.385	0.442	0.437	0.475	0.497	0.491	0.473	0.457	8.55
92)	TP	trans-1,4-Dich...		0.152	0.172	0.173	0.187	0.202	0.204	0.202	0.184	10.76
93)	TP	4-Chlorotoluene		1.185	1.606	1.676	1.722	1.796	1.780	1.804	1.653	13.20
94)	TP	tert-Butylbenzene		1.012	1.470	1.521	1.575	1.586	1.570	1.568	1.472	14.04
97)	TP	1,2,4-Trimethy...		1.310	1.783	1.824	1.912	1.971	1.963	1.984	1.821	13.07
98)	TP	sec-Butylbenzene		1.410	2.016	2.190	2.310	2.335	2.303	2.298	2.123	15.70
99)	TP	p-Isopropyltol...		1.252	1.735	1.852	1.911	1.953	1.940	1.962	1.801	14.14
100)	TP	1,3-Dichlorobe...		0.838	1.090	1.087	1.145	1.166	1.145	1.158	1.090	10.59
101)	TP	1,4-Dichlorobe...		0.928	1.180	1.126	1.163	1.183	1.162	1.183	1.132	8.15
102)	TP	p-Diethylbenzene		0.682	0.978	1.024	1.066	1.110	1.095	1.116	1.010	15.14
103)	TP	n-Butylbenzene		0.998	1.315	1.475	1.522	1.613	1.594	1.633	1.450	15.65
104)	TP	1,2-Dichlorobe...		0.792	1.071	1.077	1.089	1.116	1.097	1.115	1.051	11.00
105)	TP	1,2,4,5-Tetram...		1.021	1.340	1.393	1.455	1.548	1.572	1.615	1.421	14.22
106)	TP	1,2-Dibromo-3-...		0.083	0.086	0.087	0.095	0.099	0.103	0.099	0.093	8.28
107)	TP	1,3,5-Trichlor...		0.504	0.656	0.671	0.706	0.714	0.699	0.679	0.661	10.95

Method Path : K:\Gonzo\2024\241003AICAL\
Method File : G_241003A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Oct 04 09:30:18 2024
Response Via : Initial Calibration

Calibration Files
L11 =VG241003A03.D L1 =VG241003A05.D L2 =VG241003A07.D L3 =VG241003A09.D L4 =VG241003A10.D
L6 =VG241003A11.D L8 =VG241003A12.D L10 =VG241003A13.D

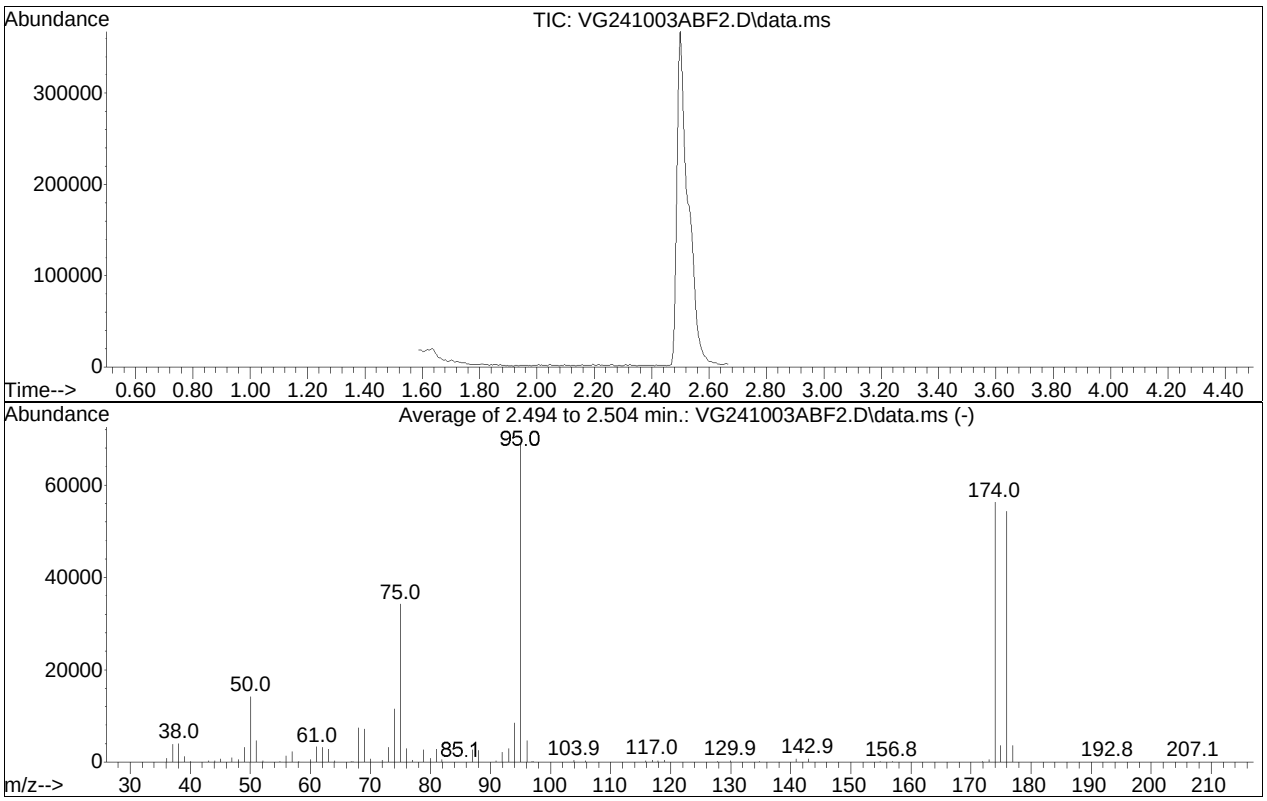
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.171	0.195	0.211	0.226	0.236	0.226	0.222	0.212	10.54	
109)	TP 1,2,4-Trichlor...	0.406	0.534	0.574	0.603	0.626	0.604	0.581	0.561	13.27	
110)	TP Naphthalene	0.884	1.087	1.139	1.229	1.333	1.340	1.307	1.188	13.93	
111)	TP 1,2,3-Trichlor...	0.370	0.449	0.476	0.502	0.524	0.503	0.463	0.469	10.85	

(#) = Out of Range

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003ABF2.D
Acq On : 3 Oct 2024 3:49 am
Operator : GONZO:TMS
Sample : WG1980167-1
Misc : WG1980167
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Oct 04 09:30:18 2024



AutoFind: Scans 174, 175, 176; Background Corrected with Scan 166

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	14227	PASS
75	95	30	60	49.5	34275	PASS
95	95	100	100	100.0	69184	PASS
96	95	5	9	6.8	4673	PASS
173	174	0.00	2	1.0	569	PASS
174	95	50	100	81.3	56267	PASS
175	174	5	9	6.5	3636	PASS
176	174	95	101	96.5	54280	PASS
177	176	5	9	6.7	3655	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A03.D
Acq On : 3 Oct 2024 4:54 am
Operator : GONZO:MKS
Sample : I8260STD0.19PPB
Misc : WG1980167
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 04 09:10:49 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-L11_MCP - L11 MCP

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.063	96	595698	10.000	ug/L	0.00
Standard Area 1 = 615193			Recovery =	96.83%		
59) Chlorobenzene-d5	9.604	117	434360	10.000	ug/L	0.00
Standard Area 1 = 451007			Recovery =	96.31%		
79) 1,4-Dichlorobenzene-d4	12.294	152	234491	10.000	ug/L	0.00
Standard Area 1 = 256709			Recovery =	91.35%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.258	113	151886	10.167	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.67%		
43) 1,2-Dichloroethane-d4	5.782	65	170887	9.653	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.53%		
60) Toluene-d8	7.750	98	570920	10.044	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.44%		
83) 4-Bromofluorobenzene	11.093	95	208648	10.393	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.93%		
Target Compounds						Qvalue
4) Vinyl chloride	1.930	62	2517	0.169	ug/L #	42
34) Carbon tetrachloride	5.205	117	2953	0.173	ug/L #	86
41) Benzene	5.645	78	8902	0.174	ug/L #	85
48) Trichloroethene	6.253	95	3068	0.237	ug/L #	81
58) cis-1,3-Dichloropropene	7.557	75	3679	0.187	ug/L #	70
65) trans-1,3-Dichloropropene	8.316	75	3498	0.205	ug/L #	67

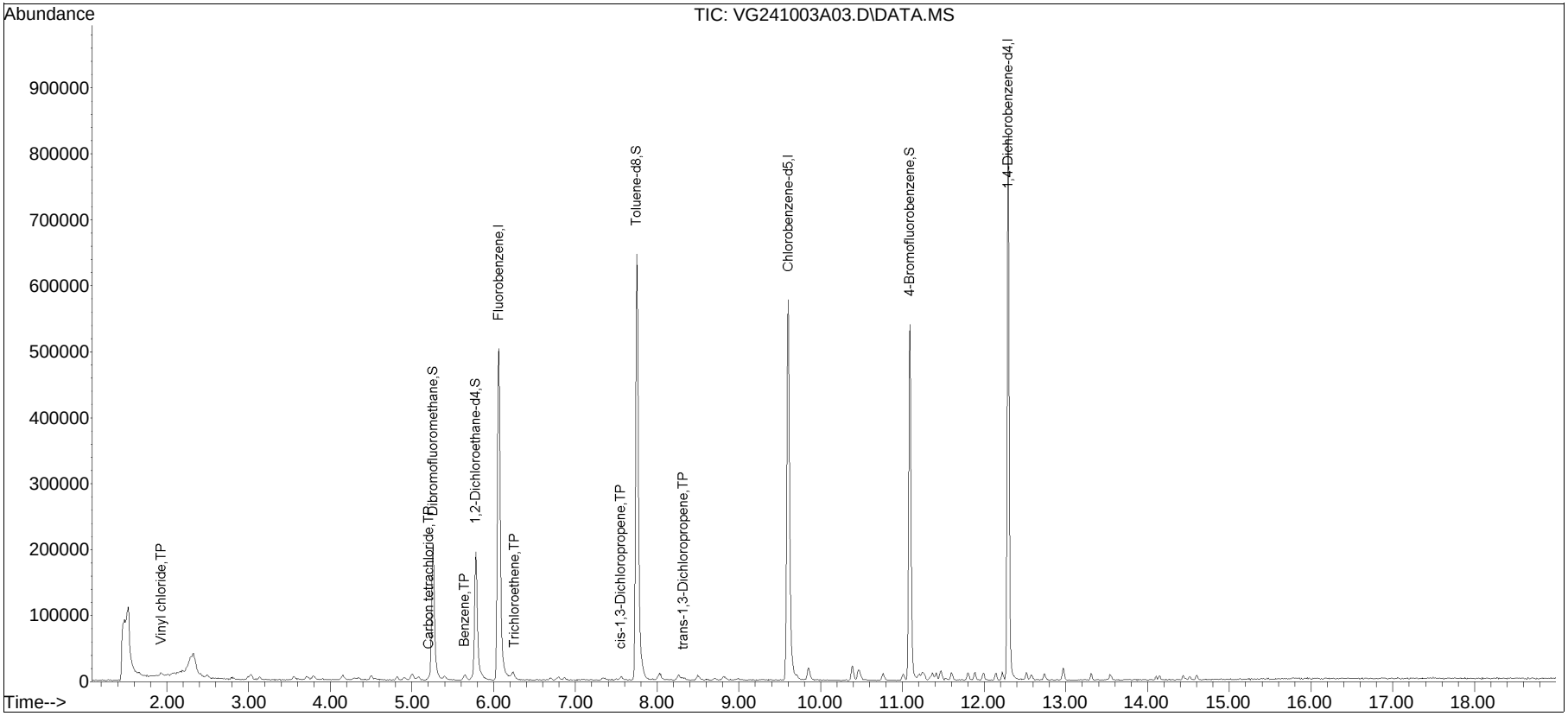
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A03.D
Acq On : 3 Oct 2024 4:54 am
Operator : GONZO:MKS
Sample : I8260STD0.19PPB
Misc : WG1980167
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 04 09:10:49 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

Sub List : 8260-L11_MCP - L11 MCP03AICAL\VG241003A09.D•



Manual Integration Report

Data Path	: K:\Gonzo\2024\241003AICAL\	QMethod	: G_241003A_8260.m
Data File	: VG241003A03.D	Operator	: GONZO:MKS
Date Inj'd	: 10/3/2024 4:54 am	Instrument	: Gonzo
Sample	: I8260STD0.19PPB	Quant Date	: 10/4/2024 9:08 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A05.D
Acq On : 3 Oct 2024 5:42 am
Operator : GONZO:MKS
Sample : I8260STD0.5PPB
Misc : WG1980167
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 04 09:16:04 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.063	96	596666	10.000 ug/L	0.00
Standard Area 1 = 615193			Recovery =	96.99%	
59) Chlorobenzene-d5	9.604	117	429554	10.000 ug/L	0.00
Standard Area 1 = 451007			Recovery =	95.24%	
79) 1,4-Dichlorobenzene-d4	12.294	152	236345	10.000 ug/L	0.00
Standard Area 1 = 256709			Recovery =	92.07%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.258	113	147709	9.871 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.71%	
43) 1,2-Dichloroethane-d4	5.782	65	167521	9.447 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.47%	
60) Toluene-d8	7.750	98	572236	10.180 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.80%	
83) 4-Bromofluorobenzene	11.093	95	208924	10.325 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.25%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.657	85	4686	0.338 ug/L #	89
3) Chloromethane	1.870	50	6853	0.490 ug/L	94
4) Vinyl chloride	1.930	62	4480	0.300 ug/L	69
5) Bromomethane	2.242	94	4351	0.592 ug/L	93
6) Chloroethane	2.341	64	3848	0.448 ug/L	98
7) Trichlorofluoromethane	2.493	101	5879	0.298 ug/L	98
8) Ethyl ether	2.804	74	2704	0.406 ug/L #	65
10) 1,1-Dichloroethene	2.994	96	3872	0.361 ug/L	95
11) Carbon disulfide	3.024	76	11470	0.357 ug/L	99
12) Freon-113	3.017	101	3191	0.271 ug/L #	43
13) Iodomethane	3.138	142	7353	0.407 ug/L	95
14) Acrolein	3.343	56	873M1	0.510 ug/L	
15) Methylene chloride	3.556	84	6068	0.490 ug/L	86
17) Acetone	3.609	43	4592M3	1.543 ug/L	
18) trans-1,2-Dichloroethene	3.708	96	3869	0.331 ug/L	85
19) Methyl acetate	3.716	43	4046M4	0.579 ug/L	
20) Methyl tert-butyl ether	3.792	73	16544	0.442 ug/L #	81
21) tert-Butyl alcohol	3.890	59	2835	2.528 ug/L #	80
22) Diisopropyl ether	4.149	45	17335	0.400 ug/L #	88
23) 1,1-Dichloroethane	4.293	63	7756	0.339 ug/L	96
24) Halothane	4.339	117	3141	0.333 ug/L	87

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A05.D
Acq On : 3 Oct 2024 5:42 am
Operator : GONZO:MKS
Sample : I8260STD0.5PPB
Misc : WG1980167
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 04 09:16:04 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.361	53	1836M1	0.478	ug/L		
26) Ethyl tert-butyl ether	4.506	59	16870	0.432	ug/L	#	64
27) Vinyl acetate	4.544	43	9217M4	0.291	ug/L		
28) cis-1,2-Dichloroethene	4.817	96	4552	0.337	ug/L		90
29) 2,2-Dichloropropane	4.908	77	5639	0.377	ug/L		83
30) Bromochloromethane	5.007	128	2641	0.430	ug/L	#	76
31) Cyclohexane	5.000	56	7228	0.317	ug/L		84
32) Chloroform	5.076	83	7837	0.362	ug/L		91
33) Ethyl acetate	5.197	43	5679M3	0.509	ug/L		
34) Carbon tetrachloride	5.212	117	5026M1	0.293	ug/L		
35) Tetrahydrofuran	5.243	42	2013M3	0.557	ug/L		
37) 1,1,1-Trichloroethane	5.273	97	6324	0.320	ug/L		95
39) 2-Butanone	5.402	43	2571	0.557	ug/L	#	52
40) 1,1-Dichloropropene	5.402	75	4958	0.292	ug/L		91
41) Benzene	5.645	78	17062	0.333	ug/L		93
42) tert-Amyl methyl ether	5.744	73	14112	0.397	ug/L		91
44) 1,2-Dichloroethane	5.858	62	7287	0.441	ug/L		98
47) Methyl cyclohexane	6.223	83	6483	0.331	ug/L	#	65
48) Trichloroethene	6.246	95	4651	0.358	ug/L	#	89
50) Dibromomethane	6.694	93	3062	0.415	ug/L		95
51) 1,2-Dichloropropane	6.785	63	4849	0.378	ug/L		91
53) 2-Chloroethyl vinyl ether	7.500	63	2946	0.391	ug/L		95
54) Bromodichloromethane	6.861	83	6849	0.390	ug/L		97
57) 1,4-Dioxane	7.084	88	12840	104.991	ug/L	#	86
58) cis-1,3-Dichloropropene	7.557	75	7559	0.383	ug/L	#	82
61) Toluene	7.815	92	11712	0.381	ug/L		97
62) 4-Methyl-2-pentanone	8.266	58	1986	0.507	ug/L		90
63) Tetrachloroethene	8.266	166	5095	0.377	ug/L		97
65) trans-1,3-Dichloropropene	8.316	75	6565	0.389	ug/L		92
67) Ethyl methacrylate	8.502	69	5882	0.390	ug/L		97
68) 1,1,2-Trichloroethane	8.488	83	4365	0.501	ug/L		88
69) Chlorodibromomethane	8.703	129	4555	0.365	ug/L		88
70) 1,3-Dichloropropane	8.810	76	7807	0.436	ug/L		99
71) 1,2-Dibromoethane	8.975	107	4509	0.418	ug/L		98
72) 2-Hexanone	9.276	43	2957M4	0.425	ug/L		
73) Chlorobenzene	9.620	112	11678	0.356	ug/L	#	56
74) Ethylbenzene	9.662	91	21322	0.373	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.703	131	4548	0.368	ug/L	#	63
76) p/m Xylene	9.851	106	15331	0.687	ug/L		97
77) o Xylene	10.385	106	14558	0.671	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A05.D
Acq On : 3 Oct 2024 5:42 am
Operator : GONZO:MKS
Sample : I8260STD0.5PPB
Misc : WG1980167
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 04 09:16:04 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.459	104	24938	0.676	ug/L		95
80) Bromoform	10.484	173	2906	0.359	ug/L		100
82) Isopropylbenzene	10.764	105	17678	0.331	ug/L		94
84) Bromobenzene	11.208	156	5318	0.364	ug/L		98
85) n-Propylbenzene	11.241	91	20496	0.333	ug/L		98
86) 1,4-Dichlorobutane	11.266	55	8975	0.456	ug/L		91
87) 1,1,2,2-Tetrachloroethane	11.340	83	5802	0.451	ug/L		92
88) 4-Ethyltoluene	11.364	105	17152	0.340	ug/L		95
89) 2-Chlorotoluene	11.414	91	12959M1	0.354	ug/L		
90) 1,3,5-Trimethylbenzene	11.463	105	16390	0.367	ug/L		95
91) 1,2,3-Trichloropropane	11.480	75	4552	0.441	ug/L		97
92) trans-1,4-Dichloro-2-b...	11.545	53	1792	0.439	ug/L	#	72
93) 4-Chlorotoluene	11.595	91	14005	0.354	ug/L		99
94) tert-Butylbenzene	11.800	119	11963	0.333	ug/L	#	90
97) 1,2,4-Trimethylbenzene	11.883	105	15485	0.359	ug/L		99
98) sec-Butylbenzene	11.990	105	16668	0.322	ug/L		100
99) p-Isopropyltoluene	12.146	119	14795	0.338	ug/L		94
100) 1,3-Dichlorobenzene	12.220	146	9904	0.385	ug/L		98
101) 1,4-Dichlorobenzene	12.310	146	10964	0.412	ug/L	#	77
102) p-Diethylbenzene	12.516	119	8060	0.333	ug/L		96
103) n-Butylbenzene	12.574	91	11797	0.338	ug/L		95
104) 1,2-Dichlorobenzene	12.738	146	9355	0.368	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.306	119	12068	0.367	ug/L		97
106) 1,2-Dibromo-3-chloropr...	13.520	155	984	0.478	ug/L		96
107) 1,3,5-Trichlorobenzene	13.544	180	5952	0.375	ug/L		94
108) Hexachlorobutadiene	14.104	225	2020	0.405	ug/L		91
109) 1,2,4-Trichlorobenzene	14.137	180	4795	0.353	ug/L		92
110) Naphthalene	14.433	128	10452	0.388	ug/L		100
111) 1,2,3-Trichlorobenzene	14.597	180	4371	0.389	ug/L		98

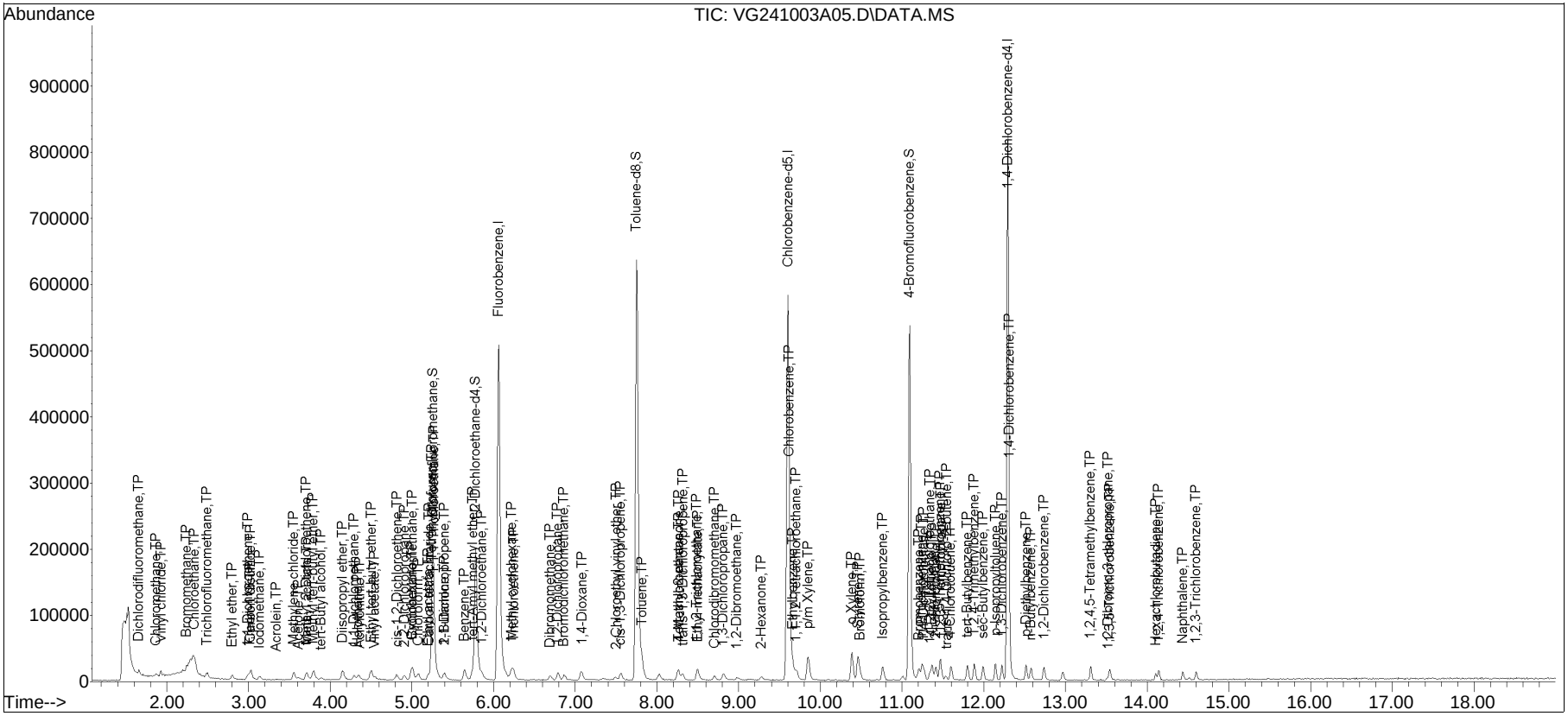
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A05.D
Acq On : 3 Oct 2024 5:42 am
Operator : GONZO:MKS
Sample : I8260STD0.5PPB
Misc : WG1980167
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 04 09:16:04 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

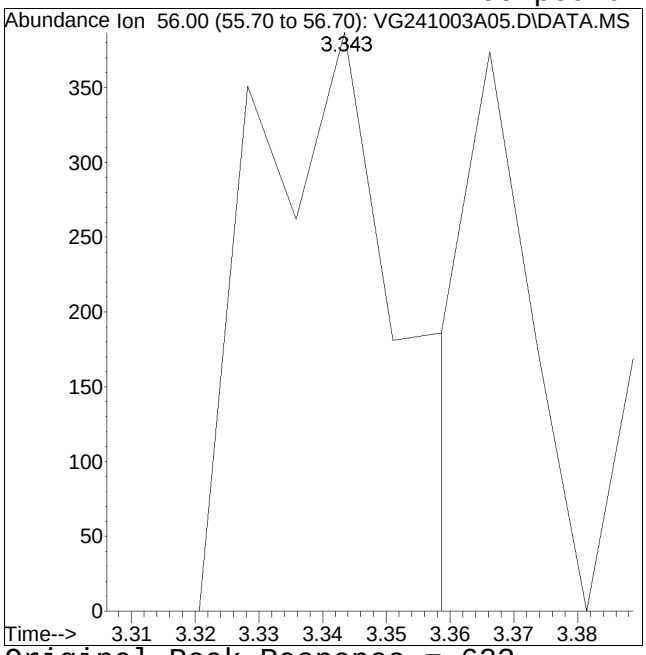
Sub List : 8260-Curve - Megamix plus DioxVG241003A09.D•



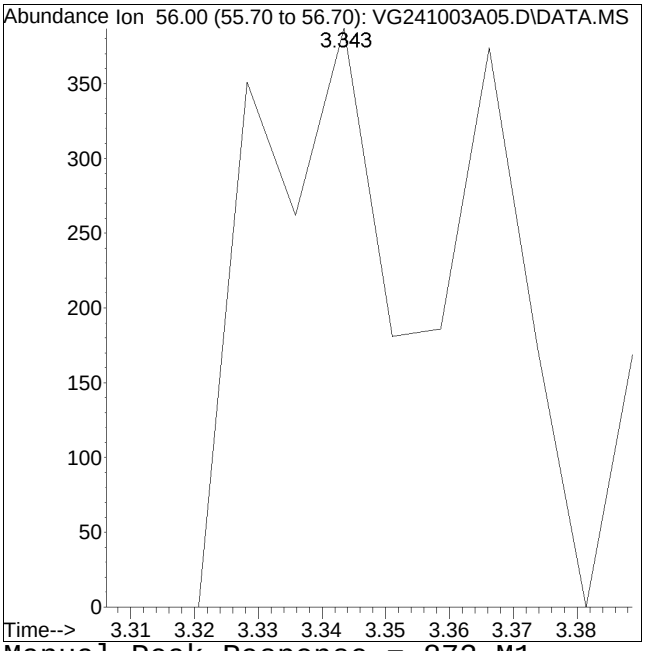
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A05.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 5:42 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 10/4/2024 9:08 am

Compound #14: Acrolein



Original Peak Response = 623



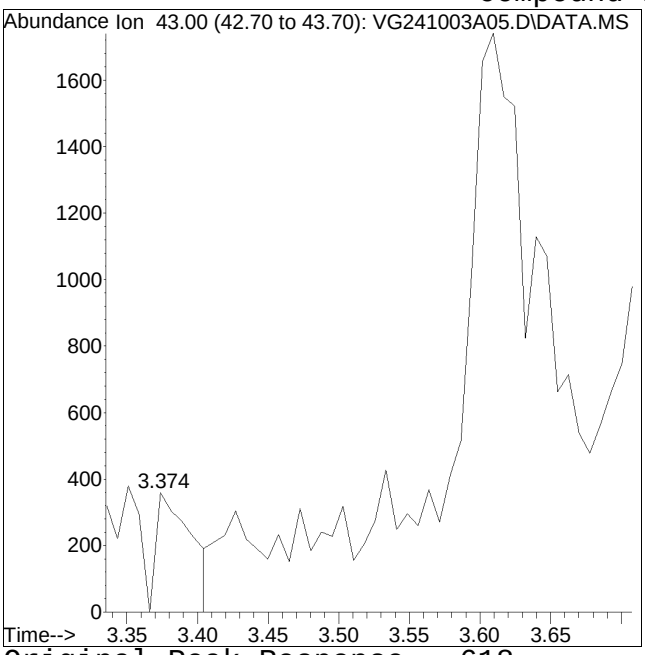
Manual Peak Response = 873 M1

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

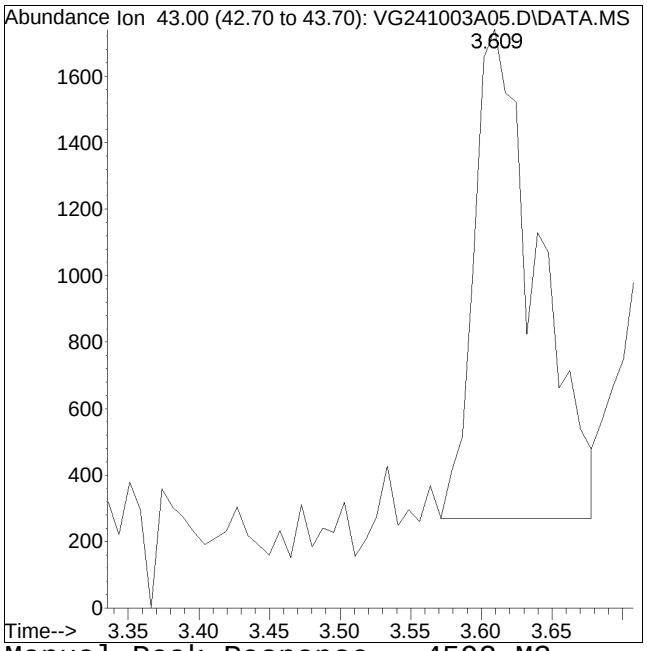
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A05.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 5:42 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 10/4/2024 9:08 am

Compound #17: Acetone



Original Peak Response = 618



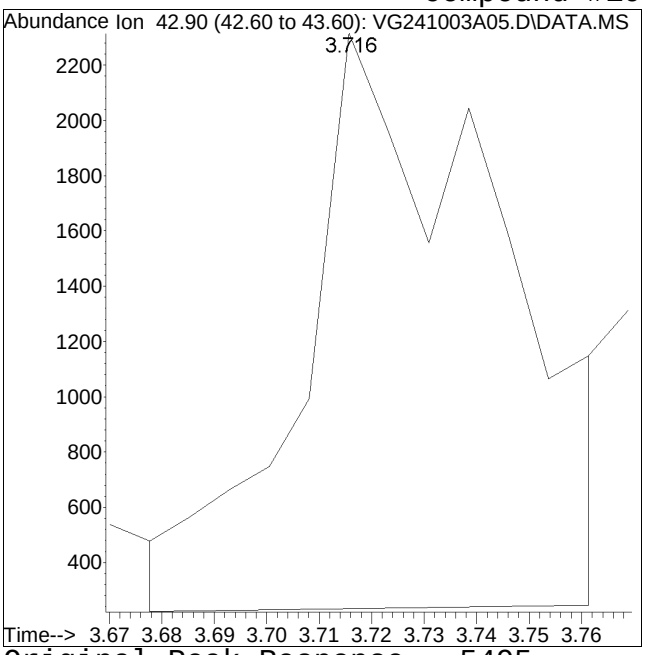
Manual Peak Response = 4592 M3

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.

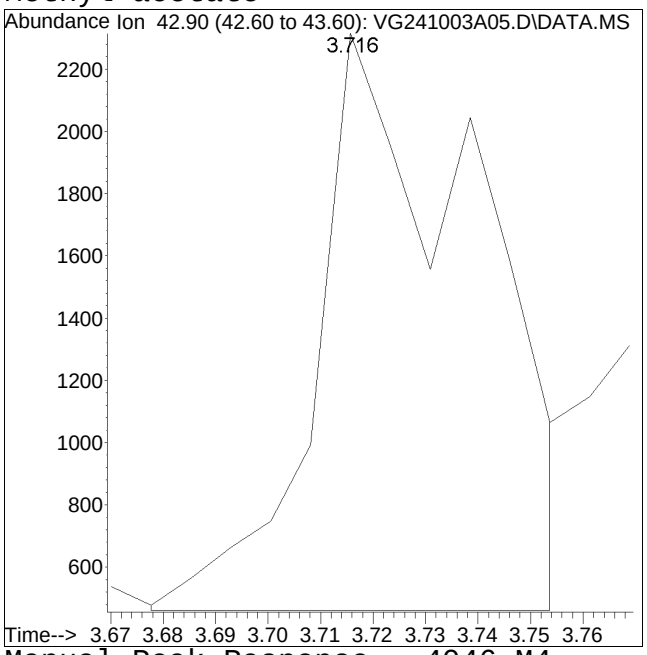
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A05.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 5:42 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 10/4/2024 9:08 am

Compound #19: Methyl acetate



Original Peak Response = 5495



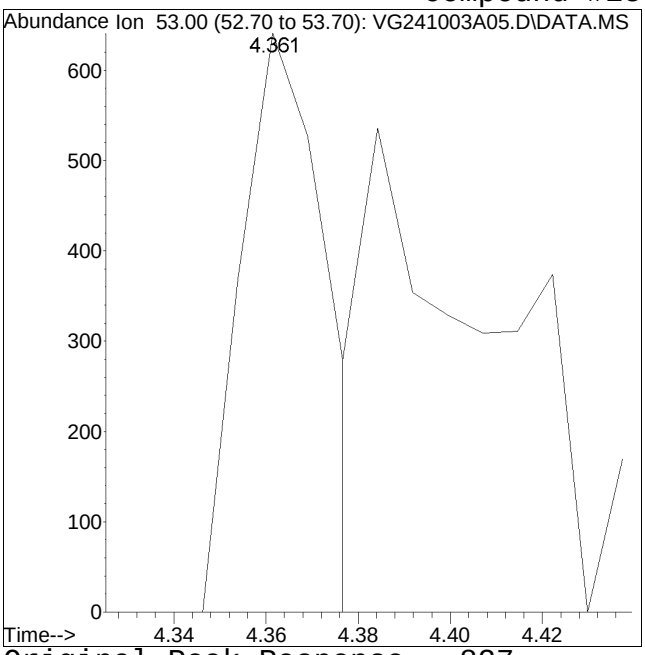
Manual Peak Response = 4046 M4

M4 = Poor automated baseline construction.

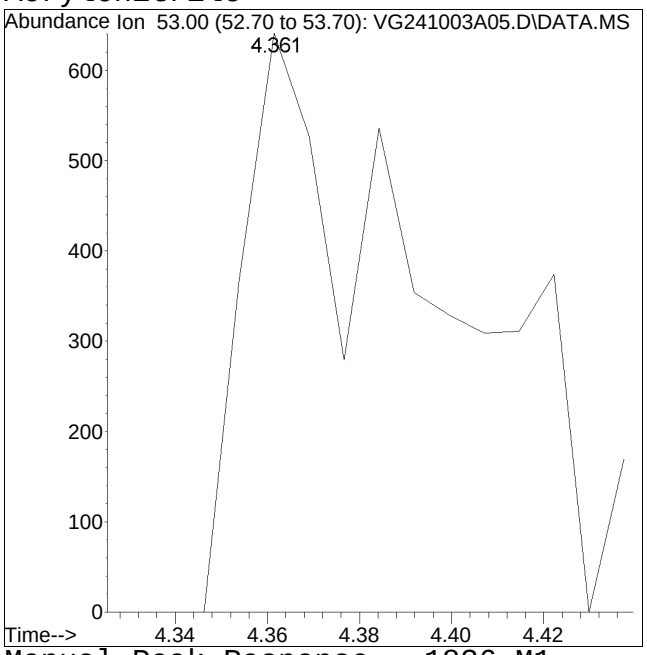
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A05.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 5:42 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 10/4/2024 9:08 am

Compound #25: Acrylonitrile



Original Peak Response = 827



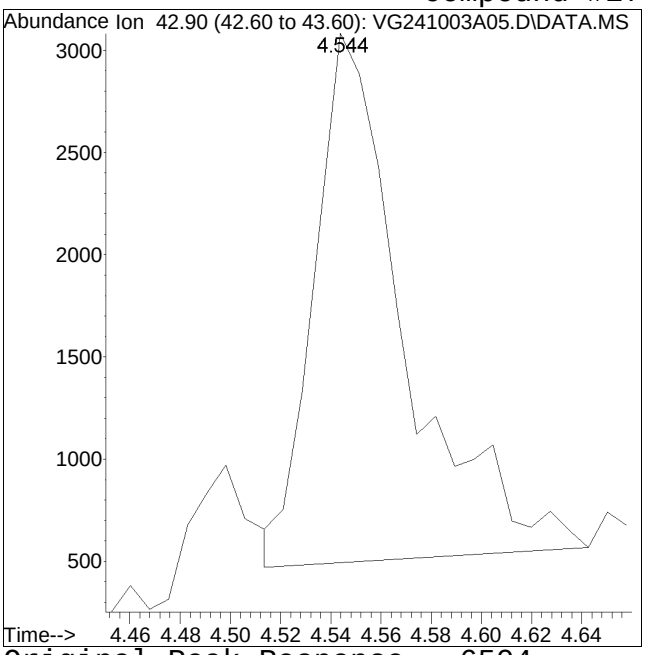
Manual Peak Response = 1836 M1

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

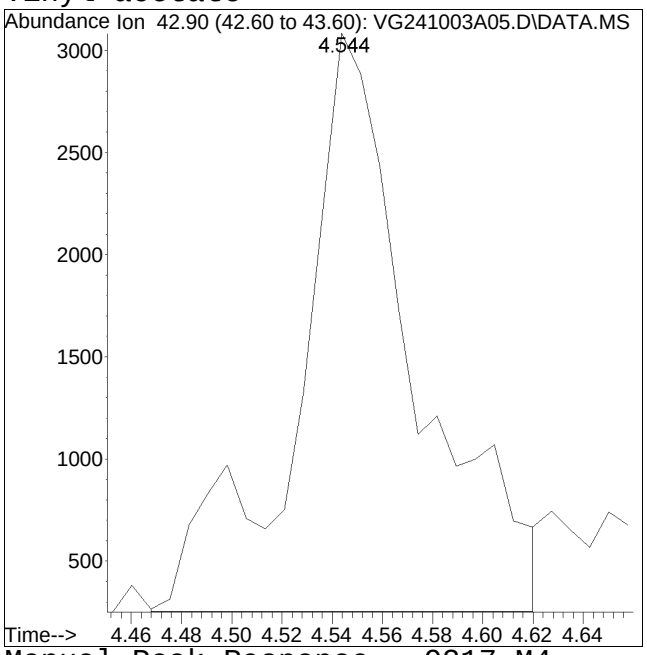
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A05.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 5:42 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 10/4/2024 9:08 am

Compound #27: Vinyl acetate



Original Peak Response = 6504



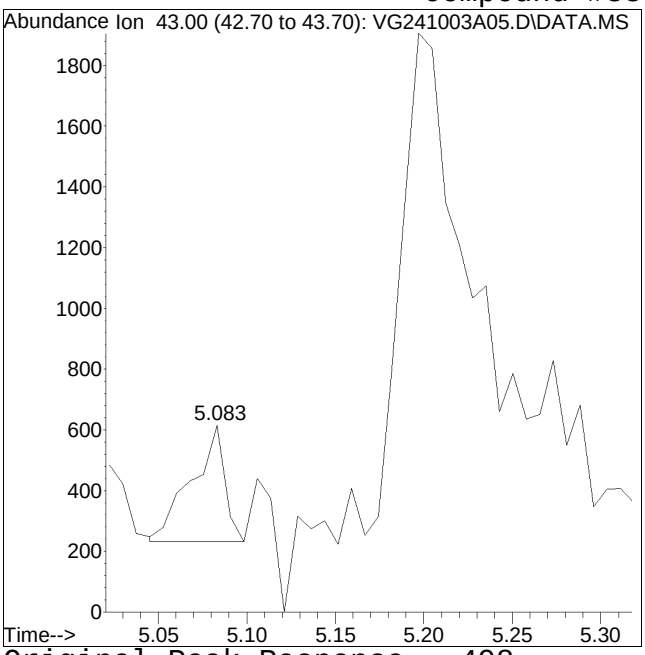
Manual Peak Response = 9217 M4

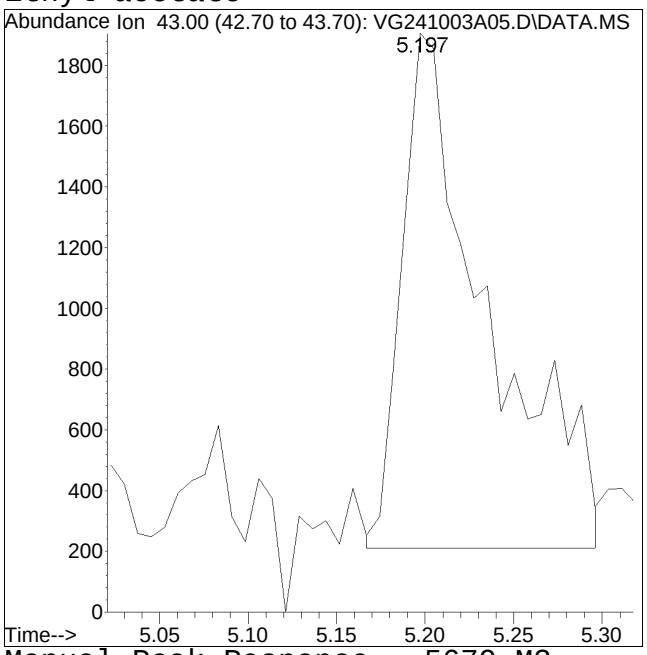
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A05.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 5:42 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 10/4/2024 9:08 am

Compound #33: Ethyl acetate





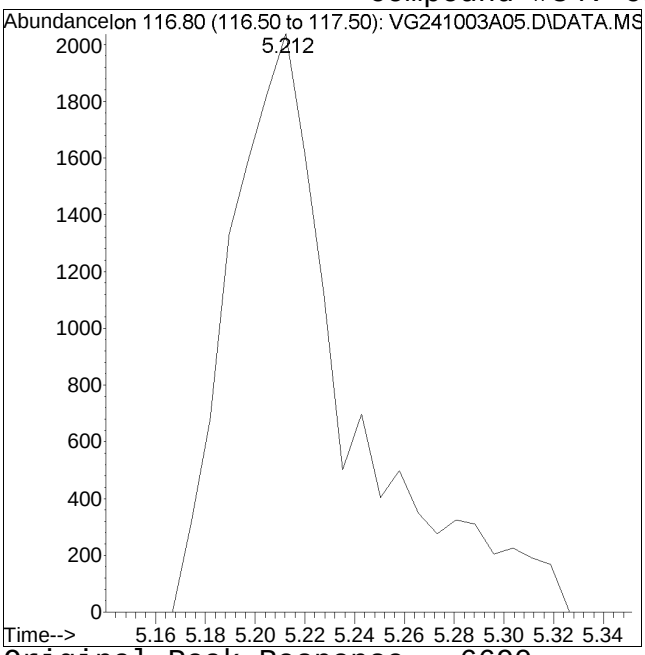
Original Peak Response = 498 Manual Peak Response = 5679 M3

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.

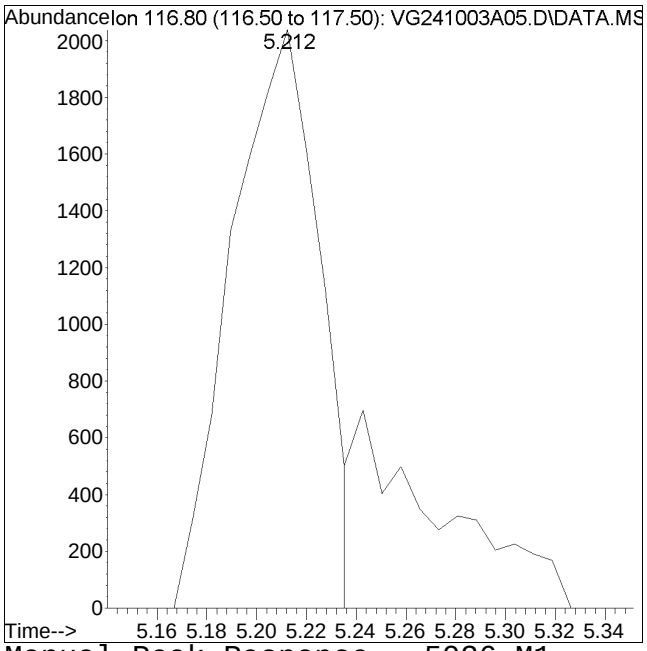
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A05.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 5:42 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 10/4/2024 9:08 am

Compound #34: Carbon tetrachloride



Original Peak Response = 6690



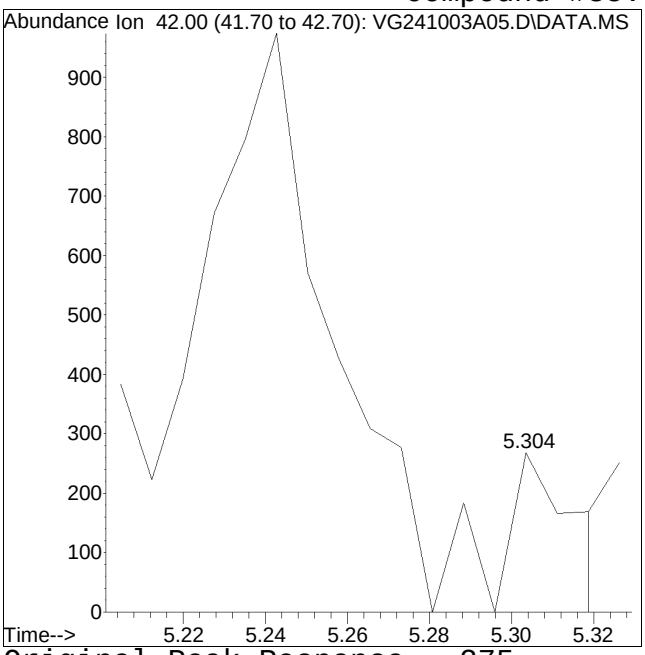
Manual Peak Response = 5026 M1

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

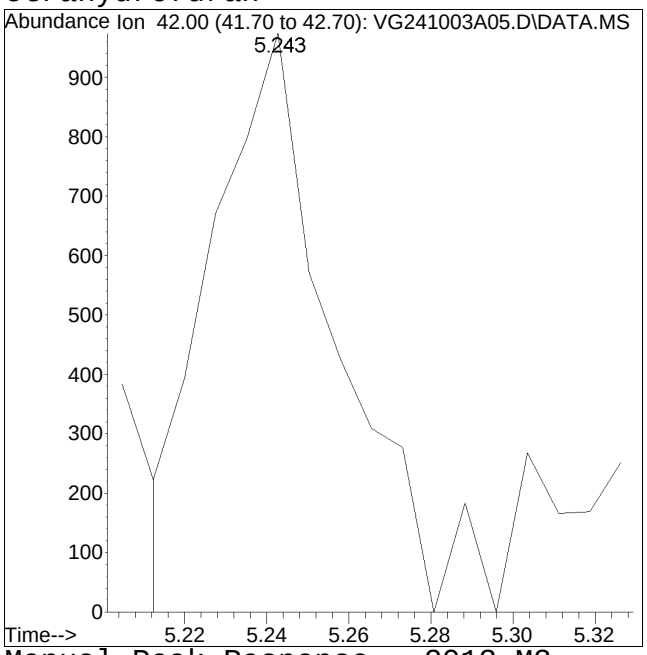
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A05.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 5:42 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 10/4/2024 9:08 am

Compound #35: Tetrahydrofuran



Original Peak Response = 275



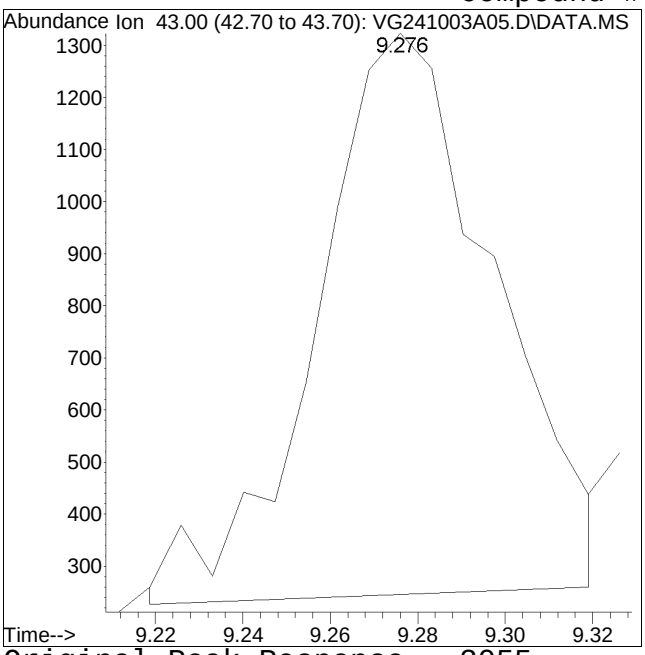
Manual Peak Response = 2013 M3

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.

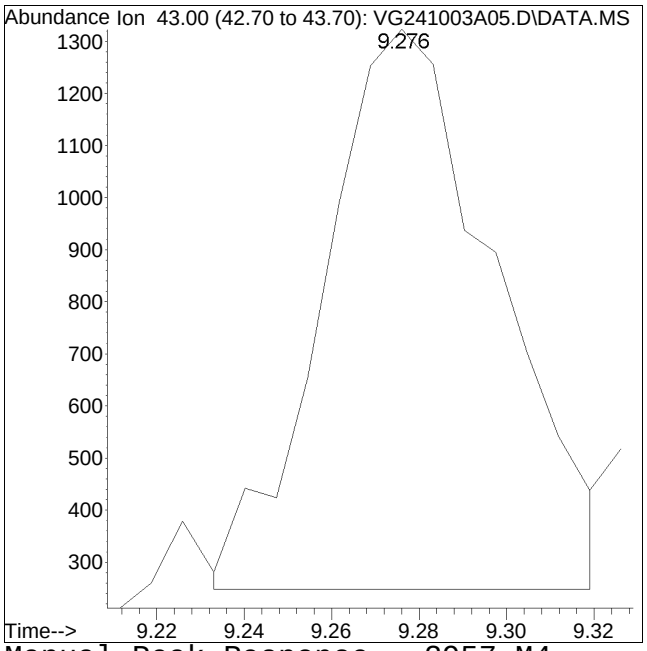
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A05.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 5:42 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 10/4/2024 9:08 am

Compound #72: 2-Hexanone



Original Peak Response = 3055



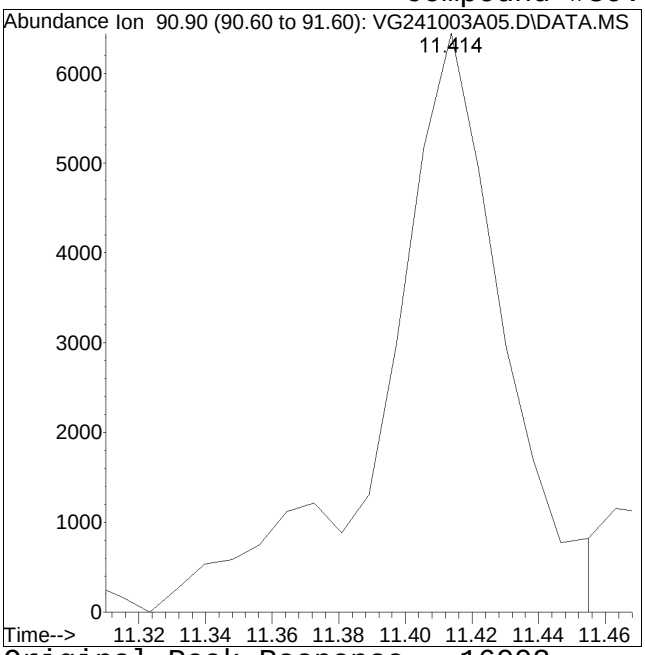
Manual Peak Response = 2957 M4

M4 = Poor automated baseline construction.

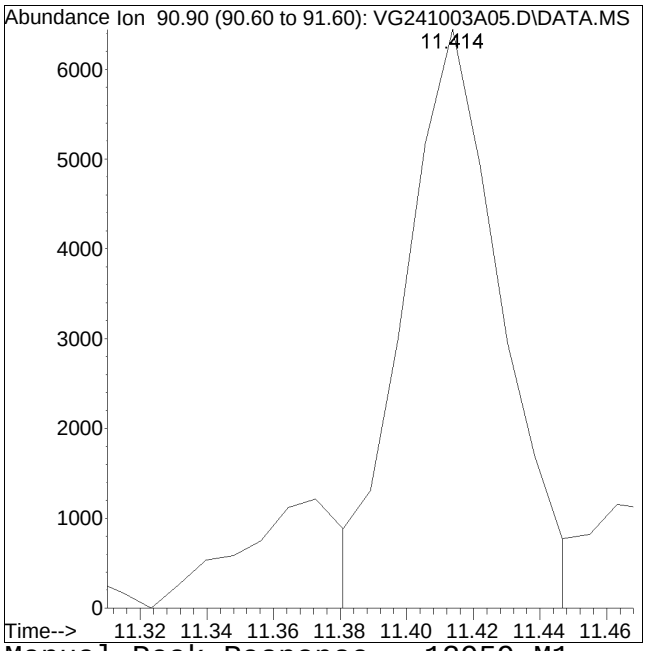
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A05.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 5:42 am Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 10/4/2024 9:08 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 16002



Manual Peak Response = 12959 M1

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A07.D
Acq On : 3 Oct 2024 6:30 am
Operator : GONZO:MKS
Sample : I8260STD2PPB
Misc : WG1980167
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 09:17:21 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.063	96	596539	10.000 ug/L	0.00
Standard Area 1 = 615193			Recovery = 96.97%		
59) Chlorobenzene-d5	9.604	117	436643	10.000 ug/L	0.00
Standard Area 1 = 451007			Recovery = 96.82%		
79) 1,4-Dichlorobenzene-d4	12.294	152	240737	10.000 ug/L	0.00
Standard Area 1 = 256709			Recovery = 93.78%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.258	113	147512	9.860 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.60%		
43) 1,2-Dichloroethane-d4	5.782	65	168950	9.530 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.30%		
60) Toluene-d8	7.750	98	575430	10.070 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.70%		
83) 4-Bromofluorobenzene	11.085	95	208719	10.126 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.26%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.665	85	26031	1.876 ug/L	94
3) Chloromethane	1.862	50	28314	2.024 ug/L	94
4) Vinyl chloride	1.931	62	29268	1.962 ug/L	94
5) Bromomethane	2.242	94	16384	2.228 ug/L	96
6) Chloroethane	2.341	64	16876	1.967 ug/L	95
7) Trichlorofluoromethane	2.493	101	36186	1.835 ug/L	100
8) Ethyl ether	2.804	74	12390	1.860 ug/L #	70
10) 1,1-Dichloroethene	2.994	96	21159	1.971 ug/L	93
11) Carbon disulfide	3.025	76	64508	2.007 ug/L	100
12) Freon-113	3.032	101	20512	1.741 ug/L #	63
13) Iodomethane	3.138	142	32462	1.795 ug/L	97
14) Acrolein	3.328	56	4310M3	2.518 ug/L	
15) Methylene chloride	3.556	84	25997	2.100 ug/L	88
17) Acetone	3.617	43	5789M4	1.946 ug/L	
18) trans-1,2-Dichloroethene	3.708	96	23514	2.010 ug/L	93
19) Methyl acetate	3.723	43	13059M4	1.868 ug/L	
20) Methyl tert-butyl ether	3.799	73	75917	2.029 ug/L	93
21) tert-Butyl alcohol	3.883	59	12211	10.893 ug/L #	74
22) Diisopropyl ether	4.149	45	82234	1.898 ug/L	97
23) 1,1-Dichloroethane	4.293	63	45043	1.971 ug/L	98
24) Halothane	4.346	117	17297	1.835 ug/L	98

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A07.D
Acq On : 3 Oct 2024 6:30 am
Operator : GONZO:MKS
Sample : I8260STD2PPB
Misc : WG1980167
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 09:17:21 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.362	53	7702	2.006	ug/L	#	88
26) Ethyl tert-butyl ether	4.498	59	76664	1.965	ug/L		85
27) Vinyl acetate	4.529	43	61789	1.951	ug/L		98
28) cis-1,2-Dichloroethene	4.810	96	27480	2.034	ug/L		98
29) 2,2-Dichloropropane	4.909	77	29354	1.965	ug/L		96
30) Bromochloromethane	5.007	128	13245	2.156	ug/L	#	82
31) Cyclohexane	5.000	56	40765	1.789	ug/L		88
32) Chloroform	5.083	83	42807	1.980	ug/L		95
33) Ethyl acetate	5.190	43	20625	1.847	ug/L		98
34) Carbon tetrachloride	5.205	117	33345	1.947	ug/L	#	91
35) Tetrahydrofuran	5.228	42	8150M1	2.254	ug/L		
37) 1,1,1-Trichloroethane	5.273	97	37760	1.909	ug/L		94
39) 2-Butanone	5.380	43	7741M4	1.676	ug/L		
40) 1,1-Dichloropropene	5.395	75	30150	1.777	ug/L		95
41) Benzene	5.646	78	97237	1.899	ug/L		94
42) tert-Amyl methyl ether	5.744	73	69614	1.957	ug/L		97
44) 1,2-Dichloroethane	5.858	62	34209	2.071	ug/L		98
47) Methyl cyclohexane	6.215	83	33622	1.715	ug/L	#	77
48) Trichloroethene	6.246	95	26421	2.036	ug/L		96
50) Dibromomethane	6.694	93	15869	2.150	ug/L		99
51) 1,2-Dichloropropane	6.785	63	26623	2.074	ug/L		99
53) 2-Chloroethyl vinyl ether	7.485	63	15362	2.039	ug/L	#	88
54) Bromodichloromethane	6.861	83	33598	1.914	ug/L		99
57) 1,4-Dioxane	7.070	88	49519	404.995	ug/L	#	86
58) cis-1,3-Dichloropropene	7.550	75	38993	1.975	ug/L	#	89
61) Toluene	7.815	92	62705	2.006	ug/L		99
62) 4-Methyl-2-pentanone	8.252	58	8515	2.139	ug/L	#	87
63) Tetrachloroethene	8.259	166	25540	1.861	ug/L		95
65) trans-1,3-Dichloropropene	8.309	75	34419	2.005	ug/L		96
67) Ethyl methacrylate	8.488	69	31208	2.035	ug/L		91
68) 1,1,2-Trichloroethane	8.495	83	18539	2.095	ug/L		98
69) Chlorodibromomethane	8.703	129	24692	1.946	ug/L		97
70) 1,3-Dichloropropane	8.811	76	37390	2.053	ug/L		96
71) 1,2-Dibromoethane	8.982	107	21866	1.994	ug/L		96
72) 2-Hexanone	9.269	43	14870	2.104	ug/L		88
73) Chlorobenzene	9.621	112	66483	1.996	ug/L		92
74) Ethylbenzene	9.653	91	115540	1.986	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.711	131	24176	1.926	ug/L		96
76) p/m Xylene	9.843	106	89307	3.937	ug/L		99
77) o Xylene	10.386	106	86149	3.908	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A07.D
Acq On : 3 Oct 2024 6:30 am
Operator : GONZO:MKS
Sample : I8260STD2PPB
Misc : WG1980167
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 09:17:21 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.451	104	142668	3.802	ug/L		100
80) Bromoform	10.476	173	15665	1.899	ug/L		100
82) Isopropylbenzene	10.764	105	102960	1.890	ug/L		99
84) Bromobenzene	11.200	156	30281	2.033	ug/L		100
85) n-Propylbenzene	11.241	91	123573	1.974	ug/L		98
86) 1,4-Dichlorobutane	11.266	55	39198	1.957	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.340	83	26848	2.049	ug/L		98
88) 4-Ethyltoluene	11.365	105	98347	1.913	ug/L		98
89) 2-Chlorotoluene	11.406	91	75116M1	2.012	ug/L		
90) 1,3,5-Trimethylbenzene	11.463	105	87023	1.915	ug/L		98
91) 1,2,3-Trichloropropane	11.480	75	21267	2.023	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.529	53	8272	1.989	ug/L	#	91
93) 4-Chlorotoluene	11.595	91	77314	1.917	ug/L		99
94) tert-Butylbenzene	11.801	119	70791	1.933	ug/L		99
97) 1,2,4-Trimethylbenzene	11.883	105	85851	1.956	ug/L		97
98) sec-Butylbenzene	11.990	105	97058	1.841	ug/L		98
99) p-Isopropyltoluene	12.146	119	83519	1.873	ug/L		97
100) 1,3-Dichlorobenzene	12.220	146	52480	2.005	ug/L		98
101) 1,4-Dichlorobenzene	12.311	146	56809	2.095	ug/L		96
102) p-Diethylbenzene	12.516	119	47099	1.911	ug/L		99
103) n-Butylbenzene	12.574	91	63295	1.783	ug/L		97
104) 1,2-Dichlorobenzene	12.730	146	51574	1.989	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.306	119	64533	1.924	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.512	155	4134	1.972	ug/L		93
107) 1,3,5-Trichlorobenzene	13.536	180	31588	1.955	ug/L		96
108) Hexachlorobutadiene	14.104	225	9410	1.854	ug/L		98
109) 1,2,4-Trichlorobenzene	14.137	180	25689	1.858	ug/L		96
110) Naphthalene	14.433	128	52349	1.910	ug/L		100
111) 1,2,3-Trichlorobenzene	14.598	180	21602	1.886	ug/L		100

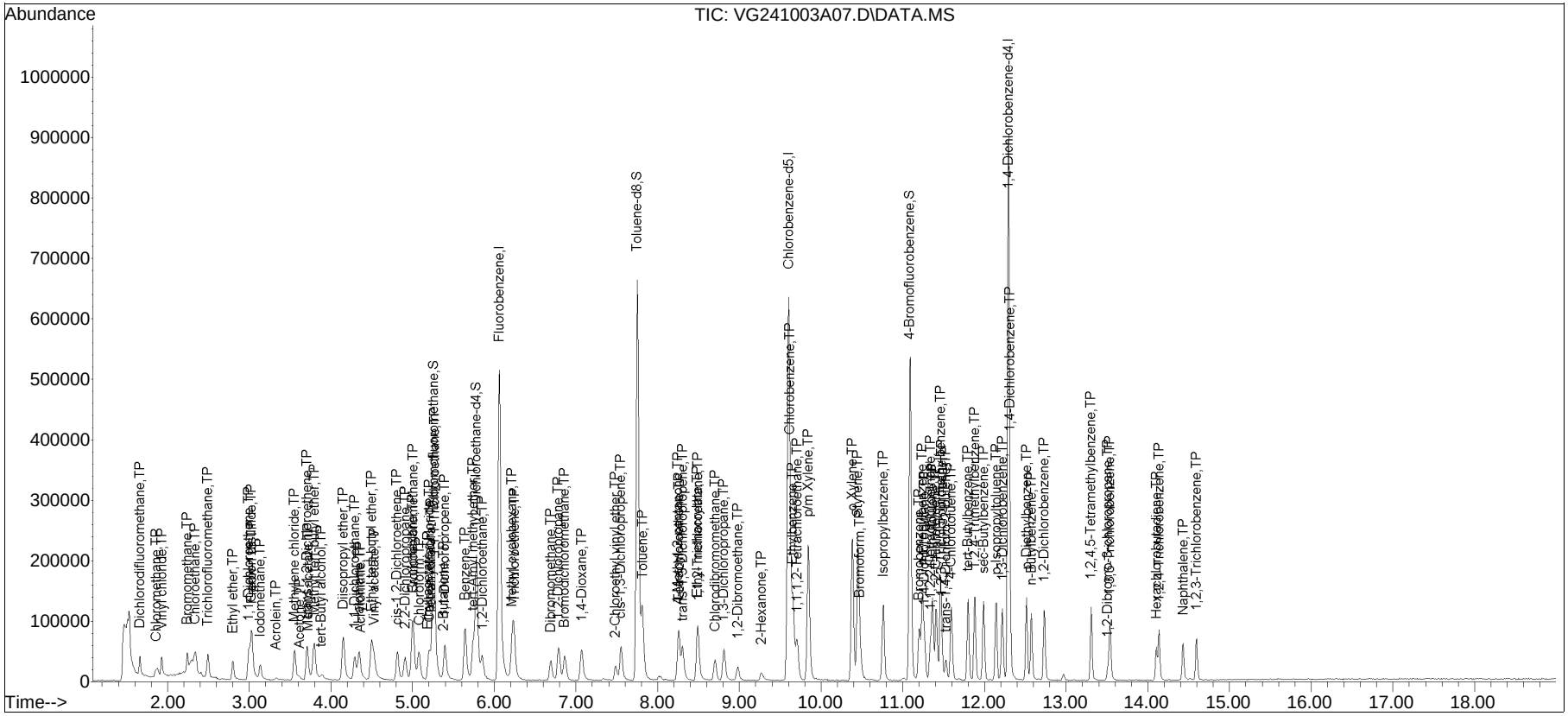
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A07.D
Acq On : 3 Oct 2024 6:30 am
Operator : GONZO:MKS
Sample : I8260STD2PPB
Misc : WG1980167
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 09:17:21 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

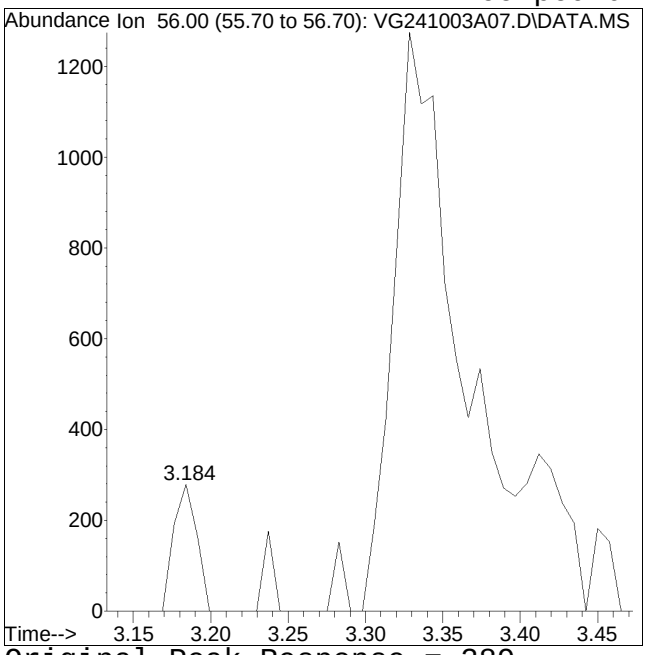
Sub List : 8260-Curve - Megamix plus DioxVG241003A09.D•



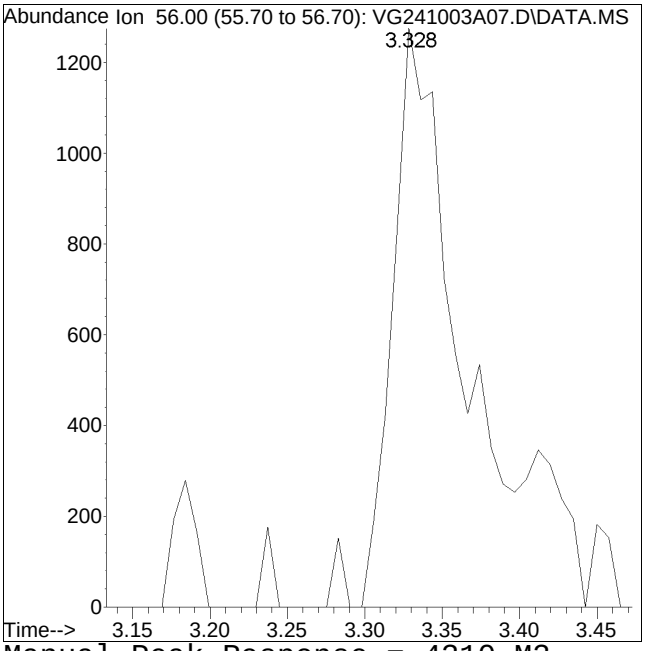
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A07.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 6:30 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 10/4/2024 9:08 am

Compound #14: Acrolein



Original Peak Response = 289



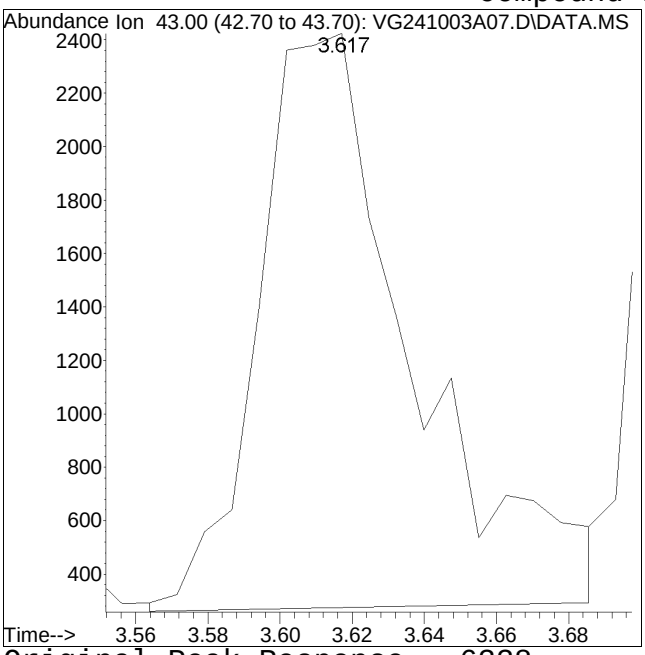
Manual Peak Response = 4310 M3

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.

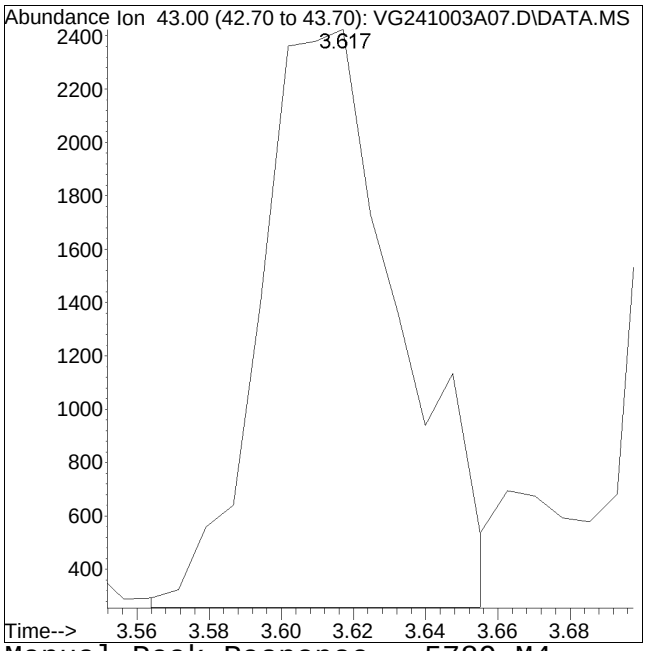
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A07.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 6:30 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 10/4/2024 9:08 am

Compound #17: Acetone



Original Peak Response = 6338



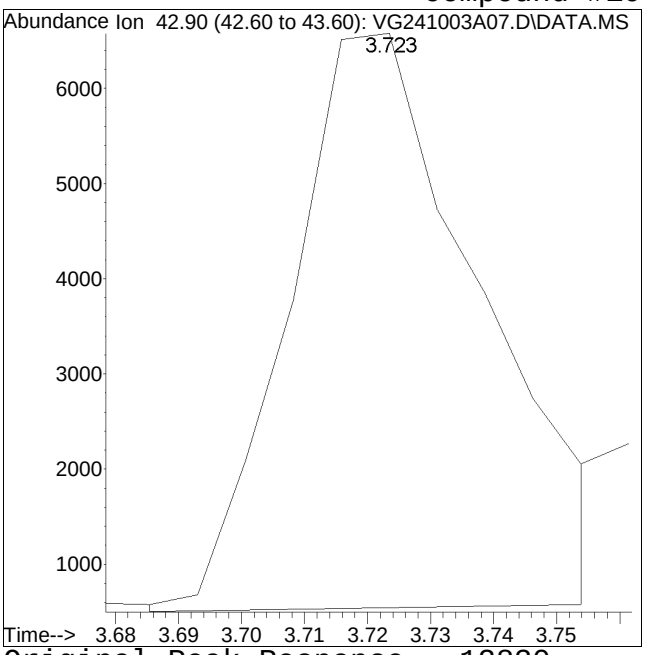
Manual Peak Response = 5789 M4

M4 = Poor automated baseline construction.

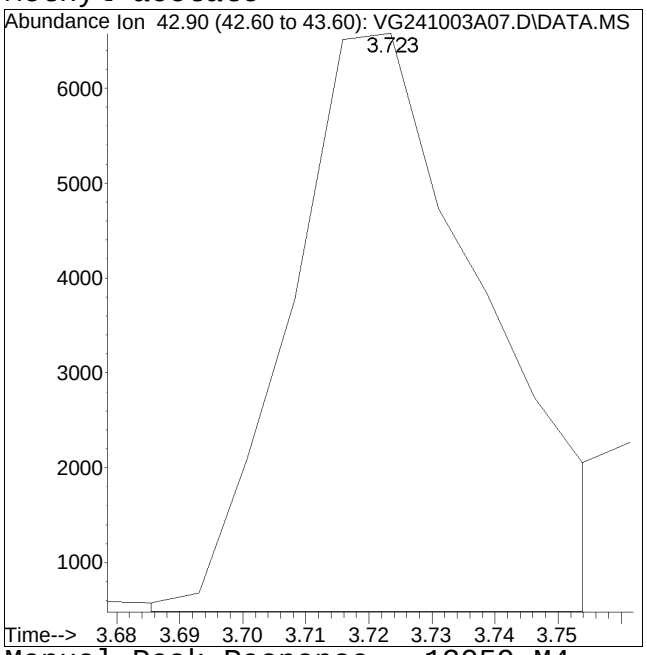
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A07.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 6:30 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 10/4/2024 9:08 am

Compound #19: Methyl acetate



Original Peak Response = 12830



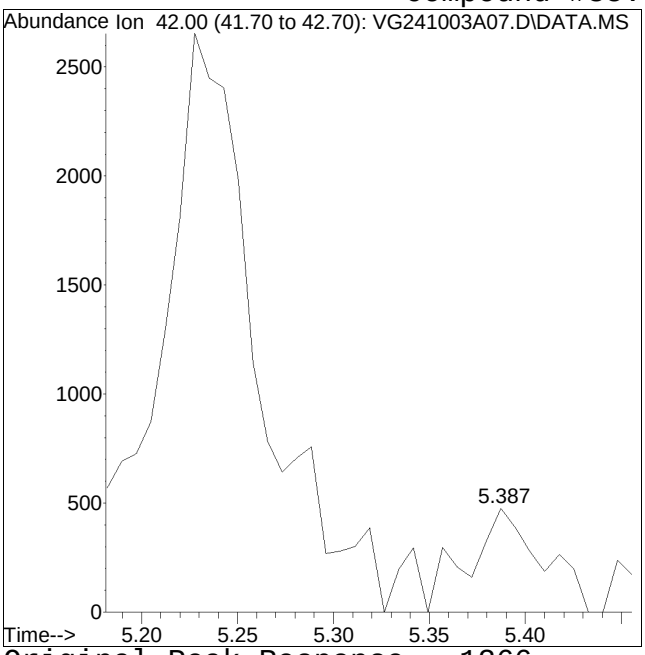
Manual Peak Response = 13059 M4

M4 = Poor automated baseline construction.

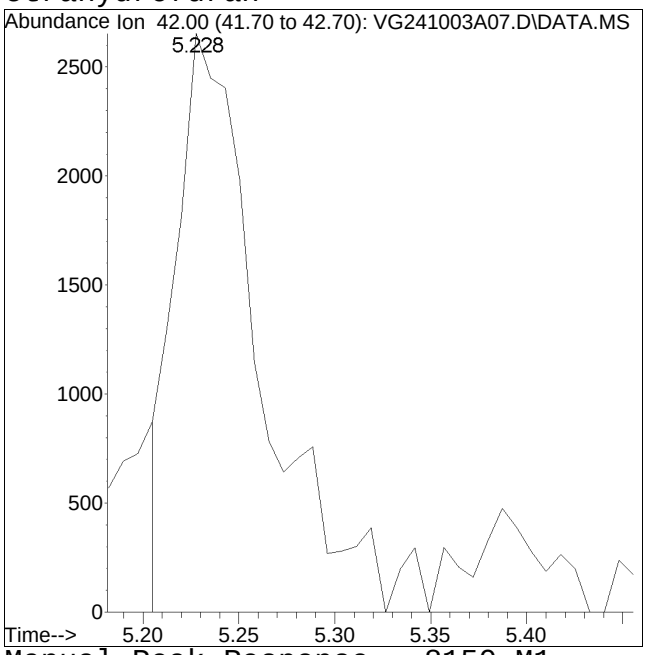
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A07.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 6:30 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 10/4/2024 9:08 am

Compound #35: Tetrahydrofuran



Original Peak Response = 1266



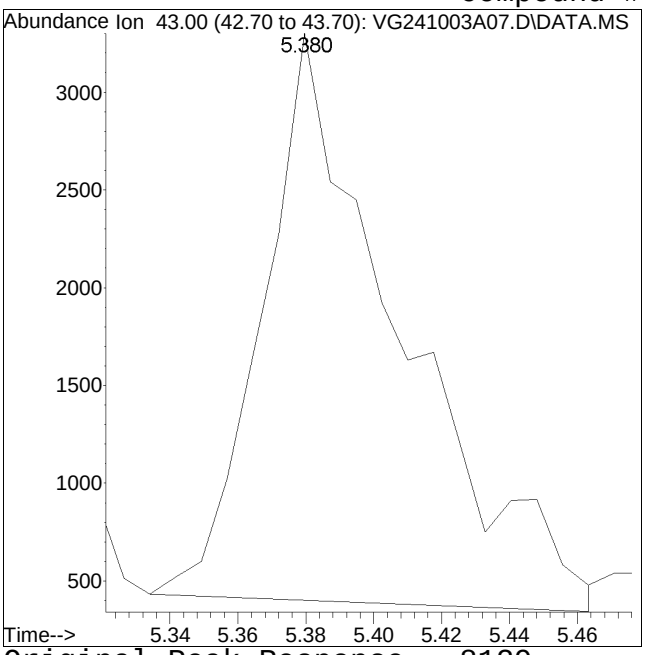
Manual Peak Response = 8150 M1

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

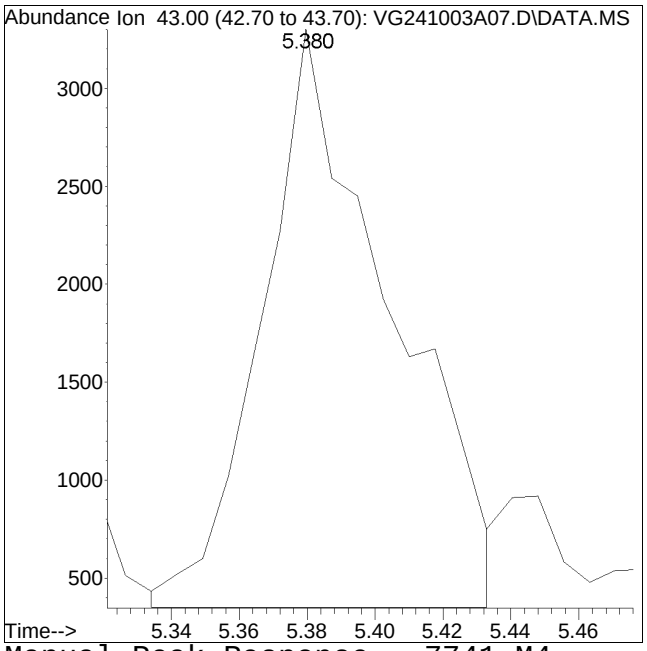
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A07.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 6:30 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 10/4/2024 9:08 am

Compound #39: 2-Butanone



Original Peak Response = 8129



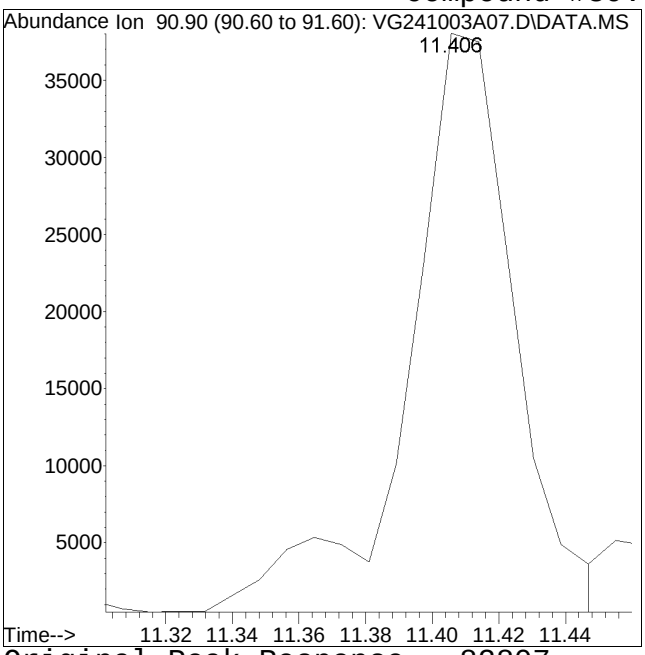
Manual Peak Response = 7741 M4

M4 = Poor automated baseline construction.

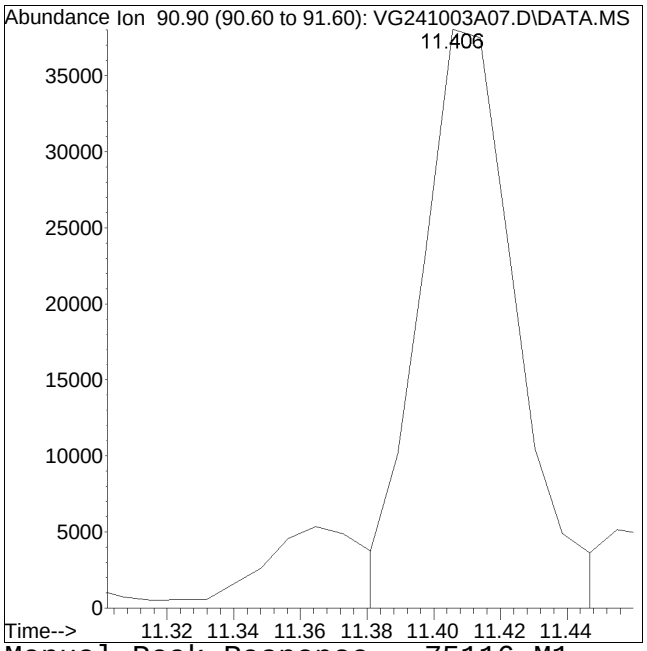
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A07.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 6:30 am Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 10/4/2024 9:08 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 82807



Manual Peak Response = 75116 M1

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A09.D
Acq On : 3 Oct 2024 7:18 am
Operator : GONZO:MKS
Sample : I8260STD10PPB
Misc : WG1980167
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 04 09:07:29 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.063	96	615193	10.000 ug/L	-0.02
Standard Area 1 = 615193			Recovery = 100.00%		
59) Chlorobenzene-d5	9.604	117	451007	10.000 ug/L	-0.03
Standard Area 1 = 451007			Recovery = 100.00%		
79) 1,4-Dichlorobenzene-d4	12.294	152	256709	10.000 ug/L	-0.02
Standard Area 1 = 256709			Recovery = 100.00%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.258	113	154285	9.602 ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.02%		
43) 1,2-Dichloroethane-d4	5.782	65	182827	10.711 ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.11%		
60) Toluene-d8	7.750	98	590210	10.424 ug/L	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.24%		
83) 4-Bromofluorobenzene	11.093	95	219790	10.251 ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.51%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.657	85	143119	8.762 ug/L	98
3) Chloromethane	1.870	50	144248	10.325 ug/L	99
4) Vinyl chloride	1.923	62	153809	10.626 ug/L	99
5) Bromomethane	2.242	94	75825	9.895 ug/L	94
6) Chloroethane	2.341	64	88499M1	7.998 ug/L	
7) Trichlorofluoromethane	2.493	101	203388	9.584 ug/L	99
8) Ethyl ether	2.796	74	68682	9.748 ug/L	83
10) 1,1-Dichloroethene	2.994	96	110729	9.515 ug/L	89
11) Carbon disulfide	3.024	76	331391	9.683 ug/L	100
12) Freon-113	3.032	101	121486	9.514 ug/L	81
13) Iodomethane	3.131	142	186475	8.303 ug/L	97
14) Acrolein	3.321	56	17654	8.821 ug/L	94
15) Methylene chloride	3.556	84	127691	9.280 ug/L	86
17) Acetone	3.594	43	30676	9.434 ug/L	93
18) trans-1,2-Dichloroethene	3.708	96	120623	9.476 ug/L	93
19) Methyl acetate	3.708	43	72102M1	10.188 ug/L	
20) Methyl tert-butyl ether	3.792	73	385891	9.859 ug/L	93
21) tert-Butyl alcohol	3.890	59	57804	53.224 ug/L	97
22) Diisopropyl ether	4.149	45	446851	11.178 ug/L	97
23) 1,1-Dichloroethane	4.293	63	235674	10.221 ug/L	100
24) Halothane	4.346	117	97195	9.193 ug/L	98

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A09.D
Acq On : 3 Oct 2024 7:18 am
Operator : GONZO:MKS
Sample : I8260STD10PPB
Misc : WG1980167
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 04 09:07:29 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.346	53	39586	11.009	ug/L		96
26) Ethyl tert-butyl ether	4.498	59	402259	10.228	ug/L	#	85
27) Vinyl acetate	4.521	43	326636	15.287	ug/L		100
28) cis-1,2-Dichloroethene	4.810	96	139321	9.518	ug/L		95
29) 2,2-Dichloropropane	4.908	77	154045	8.013	ug/L		97
30) Bromochloromethane	5.007	128	63368	8.849	ug/L	#	84
31) Cyclohexane	5.000	56	234965	10.743	ug/L		86
32) Chloroform	5.076	83	222932	9.445	ug/L		96
33) Ethyl acetate	5.182	43	115138	11.017	ug/L		97
34) Carbon tetrachloride	5.205	117	176650	9.234	ug/L		98
35) Tetrahydrofuran	5.228	42	37295M1	10.896	ug/L		
37) 1,1,1-Trichloroethane	5.273	97	203945	9.368	ug/L		97
39) 2-Butanone	5.372	43	47623	10.673	ug/L	#	76
40) 1,1-Dichloropropene	5.395	75	174972	10.054	ug/L		99
41) Benzene	5.638	78	527996	10.018	ug/L		96
42) tert-Amyl methyl ether	5.744	73	366853	10.193	ug/L		99
44) 1,2-Dichloroethane	5.850	62	170366	10.143	ug/L		99
47) Methyl cyclohexane	6.223	83	202169	9.871	ug/L		85
48) Trichloroethene	6.238	95	133843	9.006	ug/L		98
50) Dibromomethane	6.686	93	76127	9.157	ug/L		96
51) 1,2-Dichloropropane	6.785	63	132369	10.293	ug/L		97
53) 2-Chloroethyl vinyl ether	7.478	63	77688	9.985	ug/L		94
54) Bromodichloromethane	6.861	83	181017	9.643	ug/L		100
57) 1,4-Dioxane	7.070	88	63047	481.984	ug/L		89
58) cis-1,3-Dichloropropene	7.550	75	203587	9.697	ug/L		92
61) Toluene	7.808	92	322884	10.301	ug/L		98
62) 4-Methyl-2-pentanone	8.252	58	41113	11.897	ug/L		91
63) Tetrachloroethene	8.259	166	141785	10.305	ug/L		99
65) trans-1,3-Dichloropropene	8.302	75	177341	10.335	ug/L		100
67) Ethyl methacrylate	8.481	69	158433	10.981	ug/L		95
68) 1,1,2-Trichloroethane	8.488	83	91404	10.627	ug/L		98
69) Chlorodibromomethane	8.703	129	131070	9.638	ug/L		97
70) 1,3-Dichloropropane	8.810	76	188114	10.974	ug/L		99
71) 1,2-Dibromoethane	8.975	107	113264	10.381	ug/L		97
72) 2-Hexanone	9.262	43	73009	11.392	ug/L		98
73) Chlorobenzene	9.620	112	343972	9.847	ug/L		96
74) Ethylbenzene	9.653	91	600847	10.040	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.703	131	129622	9.971	ug/L		100
76) p/m Xylene	9.843	106	468622	19.805	ug/L		98
77) o Xylene	10.385	106	455408	19.869	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A09.D
Acq On : 3 Oct 2024 7:18 am
Operator : GONZO:MKS
Sample : I8260STD10PPB
Misc : WG1980167
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 04 09:07:29 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.451	104	775083	19.954	ug/L		96
80)	Bromoform	10.484	173	87986	9.674	ug/L		97
82)	Isopropylbenzene	10.756	105	580883	10.114	ug/L		100
84)	Bromobenzene	11.200	156	158817	10.003	ug/L		99
85)	n-Propylbenzene	11.241	91	667541	9.978	ug/L		99
86)	1,4-Dichlorobutane	11.266	55	213564	11.592	ug/L		99
87)	1,1,2,2-Tetrachloroethane	11.331	83	139702	10.945	ug/L		99
88)	4-Ethyltoluene	11.364	105	548311	9.804	ug/L		99
89)	2-Chlorotoluene	11.406	91	398091M1	9.703	ug/L		
90)	1,3,5-Trimethylbenzene	11.463	105	484598	9.789	ug/L		97
91)	1,2,3-Trichloropropane	11.471	75	112079	10.500	ug/L		98
92)	trans-1,4-Dichloro-2-b...	11.529	53	44347	15.153	ug/L	#	93
93)	4-Chlorotoluene	11.595	91	430131	10.184	ug/L		98
94)	tert-Butylbenzene	11.800	119	390570	9.761	ug/L		98
97)	1,2,4-Trimethylbenzene	11.883	105	468134	9.598	ug/L		98
98)	sec-Butylbenzene	11.990	105	562122	9.876	ug/L		99
99)	p-Isopropyltoluene	12.138	119	475374	9.621	ug/L		99
100)	1,3-Dichlorobenzene	12.212	146	279059	9.566	ug/L		98
101)	1,4-Dichlorobenzene	12.310	146	289136	9.624	ug/L		99
102)	p-Diethylbenzene	12.516	119	262873	9.263	ug/L		98
103)	n-Butylbenzene	12.574	91	378559	9.689	ug/L		100
104)	1,2-Dichlorobenzene	12.730	146	276440	9.935	ug/L		98
105)	1,2,4,5-Tetramethylben...	13.306	119	357596	8.417	ug/L		98
106)	1,2-Dibromo-3-chloropr...	13.511	155	22360	9.445	ug/L		94
107)	1,3,5-Trichlorobenzene	13.536	180	172274	9.406	ug/L		98
108)	Hexachlorobutadiene	14.104	225	54109	10.544	ug/L		97
109)	1,2,4-Trichlorobenzene	14.137	180	147470	9.298	ug/L		99
110)	Naphthalene	14.425	128	292309	8.210	ug/L		100
111)	1,2,3-Trichlorobenzene	14.597	180	122129	9.260	ug/L		98

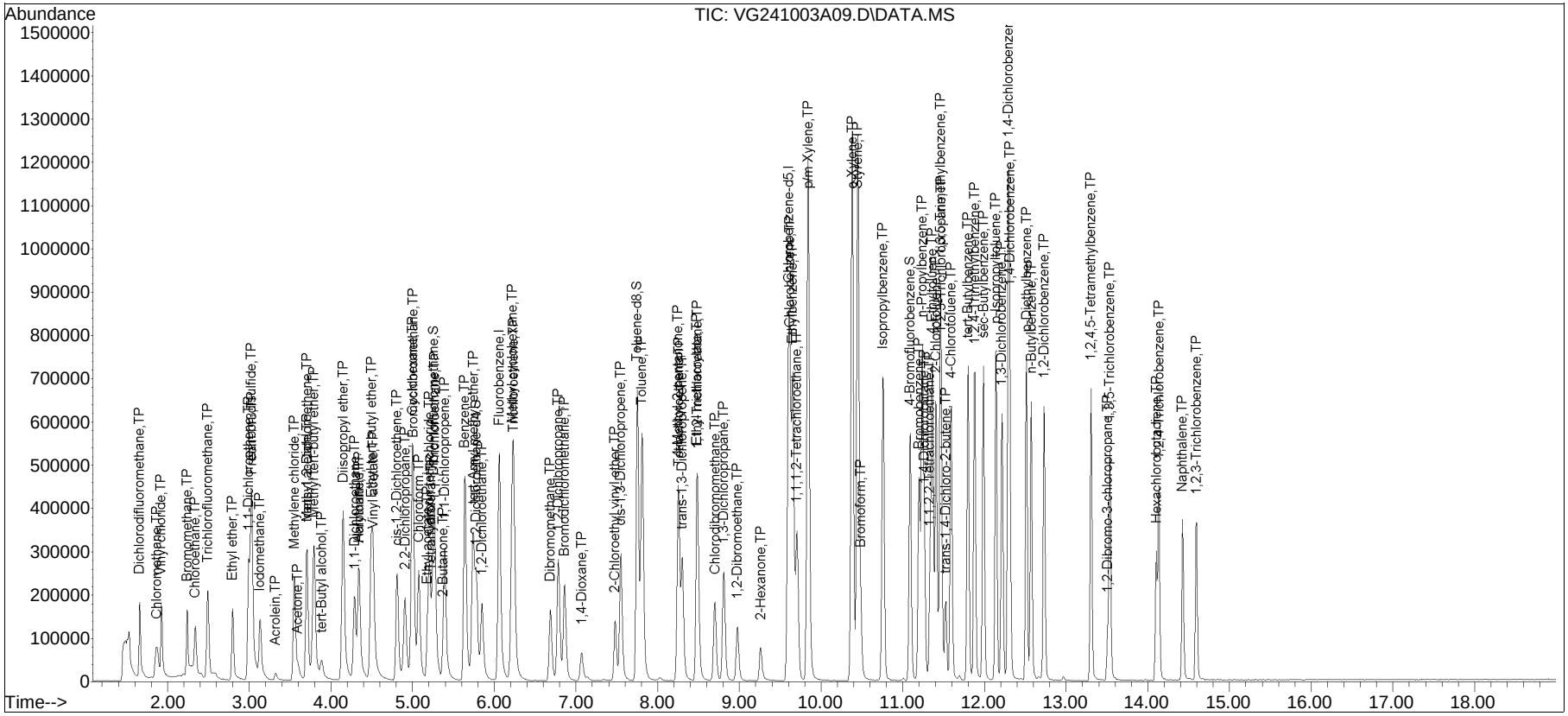
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A09.D
Acq On : 3 Oct 2024 7:18 am
Operator : GONZO:MKS
Sample : I8260STD10PPB
Misc : WG1980167
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 04 09:07:29 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

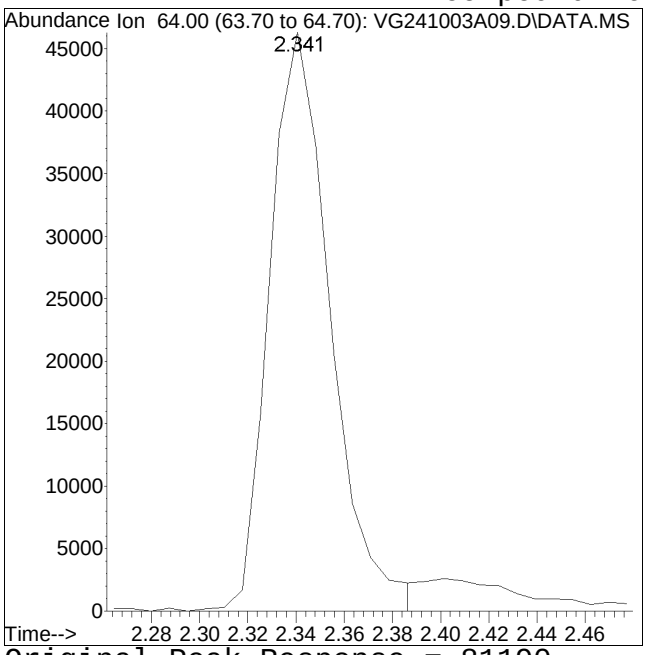
Sub List : 8260-Curve - Megamix plus DioxVG241003A09.D•

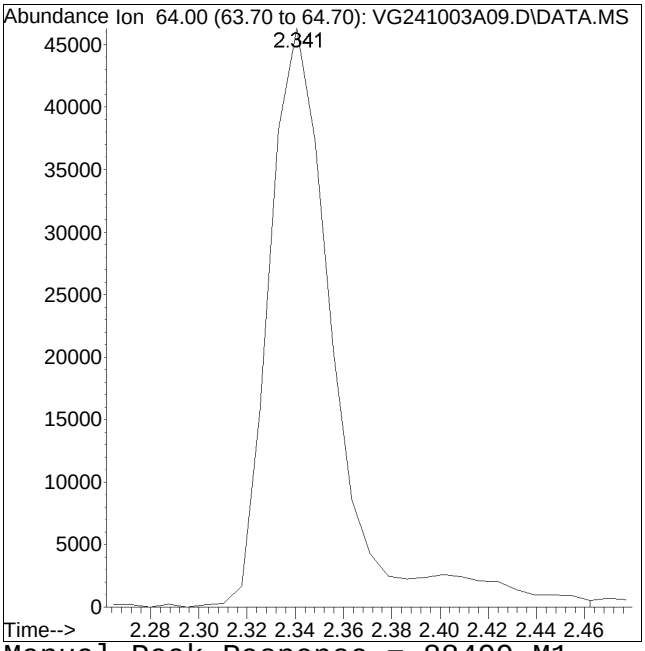


Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A09.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 7:18 am Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 10/4/2024 9:05 am

Compound #6: Chloroethane





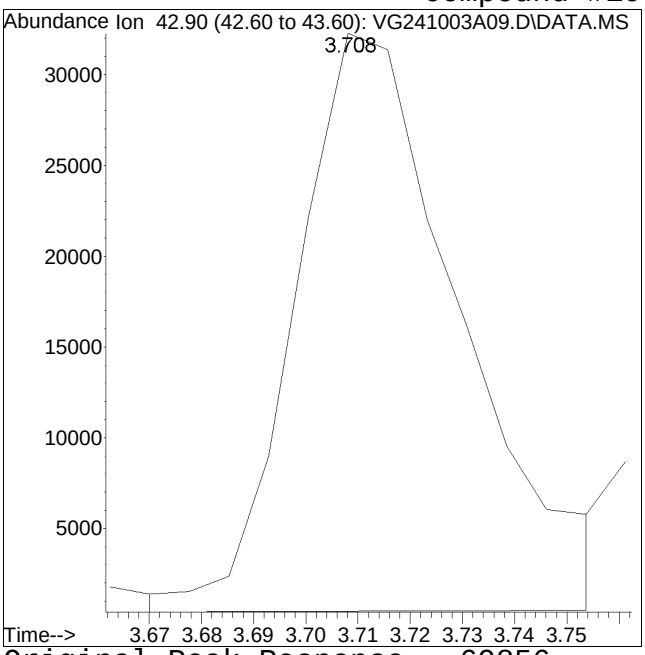
Original Peak Response = 81190 Manual Peak Response = 88499 M1

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

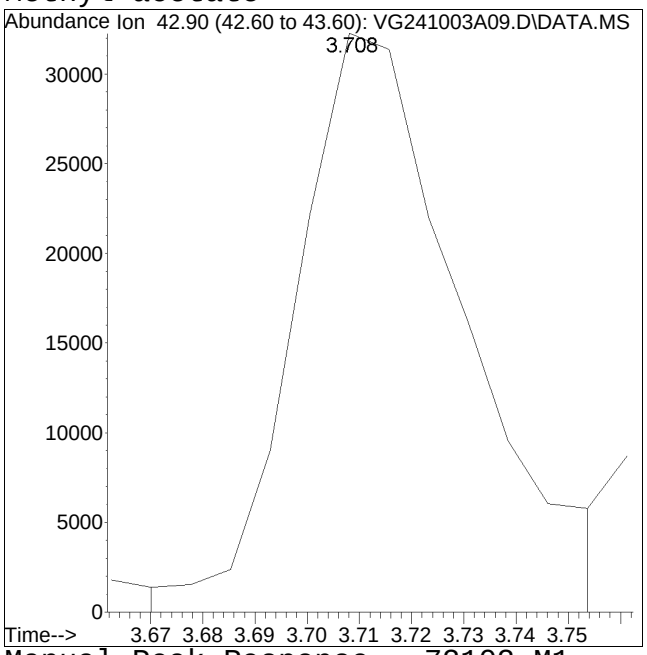
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A09.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 7:18 am Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 10/4/2024 9:05 am

Compound #19: Methyl acetate



Original Peak Response = 69856



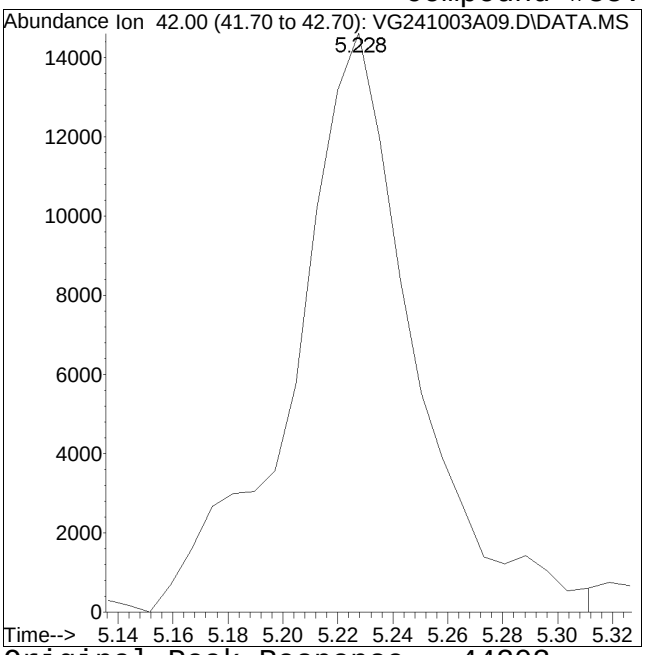
Manual Peak Response = 72102 M1

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

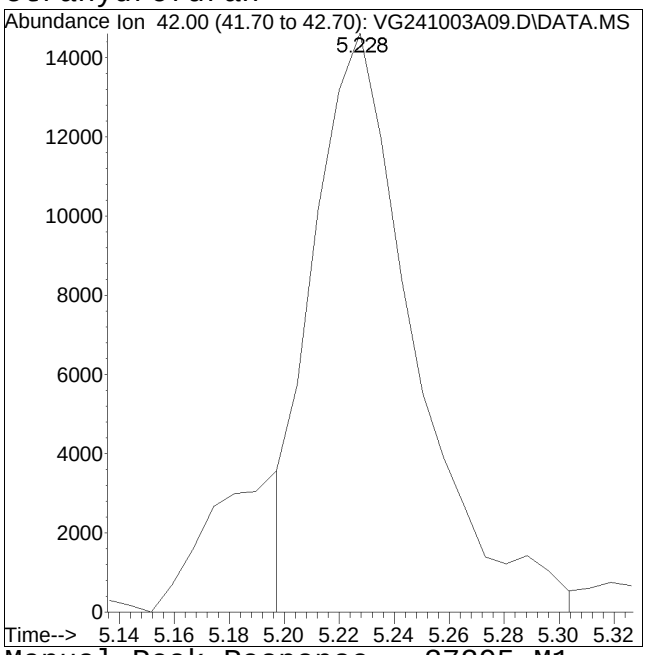
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A09.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 7:18 am Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 10/4/2024 9:05 am

Compound #35: Tetrahydrofuran



Original Peak Response = 44203



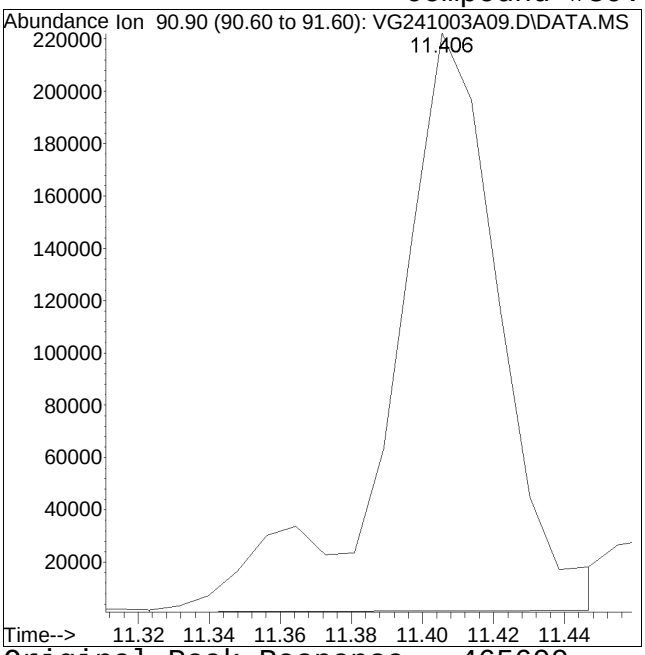
Manual Peak Response = 37295 M1

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

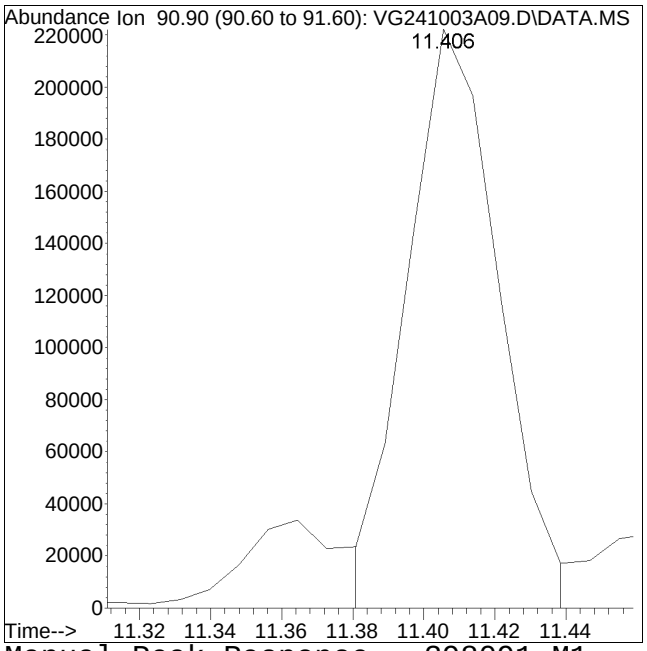
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A09.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 7:18 am Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 10/4/2024 9:05 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 465600



Manual Peak Response = 398091 M1

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A10.D
Acq On : 3 Oct 2024 7:42 am
Operator : GONZO:MKS
Sample : I8260STD30PPB
Misc : WG1980167
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 04 09:18:11 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.063	96	639558	10.000	ug/L	0.00
Standard Area 1 = 615193			Recovery = 103.96%			
59) Chlorobenzene-d5	9.596	117	468000	10.000	ug/L	0.00
Standard Area 1 = 451007			Recovery = 103.77%			
79) 1,4-Dichlorobenzene-d4	12.294	152	265712	10.000	ug/L	0.00
Standard Area 1 = 256709			Recovery = 103.51%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.250	113	157688	9.831	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.31%			
43) 1,2-Dichloroethane-d4	5.782	65	179412	9.439	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.39%			
60) Toluene-d8	7.750	98	619404	10.114	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.14%			
83) 4-Bromofluorobenzene	11.093	95	229856	10.104	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.04%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.657	85	454217	30.528	ug/L	98
3) Chloromethane	1.870	50	445069	29.679	ug/L	99
4) Vinyl chloride	1.923	62	483088	30.212	ug/L	99
5) Bromomethane	2.242	94	233538	29.626	ug/L	97
6) Chloroethane	2.341	64	268985M1	29.236	ug/L	
7) Trichlorofluoromethane	2.493	101	649070	30.697	ug/L	98
8) Ethyl ether	2.796	74	221511	31.023	ug/L	86
10) 1,1-Dichloroethene	2.994	96	356513	30.970	ug/L	90
11) Carbon disulfide	3.024	76	1066521	30.957	ug/L	99
12) Freon-113	3.032	101	385114	30.493	ug/L	79
13) Iodomethane	3.138	142	623857	32.181	ug/L	97
14) Acrolein	3.321	56	54023	29.435	ug/L	92
15) Methylene chloride	3.556	84	401268	30.228	ug/L	85
17) Acetone	3.594	43	105689	33.141	ug/L	96
18) trans-1,2-Dichloroethene	3.700	96	383525	30.584	ug/L	91
19) Methyl acetate	3.708	43	237653	31.705	ug/L #	91
20) Methyl tert-butyl ether	3.792	73	1253906	31.256	ug/L	93
21) tert-Butyl alcohol	3.883	59	187126	155.696	ug/L	97
22) Diisopropyl ether	4.149	45	1438363	30.963	ug/L	97
23) 1,1-Dichloroethane	4.285	63	750326	30.625	ug/L	99
24) Halothane	4.346	117	315930	31.266	ug/L	98

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A10.D
Acq On : 3 Oct 2024 7:42 am
Operator : GONZO:MKS
Sample : I8260STD30PPB
Misc : WG1980167
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 04 09:18:11 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.339	53	129613	31.495	ug/L		94
26) Ethyl tert-butyl ether	4.498	59	1344909	32.160	ug/L		89
27) Vinyl acetate	4.521	43	984451	28.991	ug/L		99
28) cis-1,2-Dichloroethene	4.810	96	439611	30.352	ug/L		95
29) 2,2-Dichloropropane	4.908	77	503814	31.460	ug/L		98
30) Bromochloromethane	5.007	128	196672	29.854	ug/L	#	84
31) Cyclohexane	5.000	56	757603	31.015	ug/L		85
32) Chloroform	5.076	83	697159	30.081	ug/L		95
33) Ethyl acetate	5.174	43	381409	31.864	ug/L		97
34) Carbon tetrachloride	5.205	117	576411	31.387	ug/L		100
35) Tetrahydrofuran	5.220	42	114955M1	29.649	ug/L		
37) 1,1,1-Trichloroethane	5.273	97	656636	30.970	ug/L		97
39) 2-Butanone	5.364	43	158236	31.961	ug/L	#	77
40) 1,1-Dichloropropene	5.395	75	556806	30.610	ug/L		98
41) Benzene	5.638	78	1688038	30.753	ug/L		95
42) tert-Amyl methyl ether	5.744	73	1185466	31.083	ug/L		99
44) 1,2-Dichloroethane	5.850	62	544681	30.753	ug/L		99
47) Methyl cyclohexane	6.223	83	643117	30.599	ug/L		84
48) Trichloroethene	6.238	95	435708	31.313	ug/L		96
50) Dibromomethane	6.686	93	244610	30.908	ug/L		99
51) 1,2-Dichloropropane	6.785	63	427417	31.060	ug/L		98
53) 2-Chloroethyl vinyl ether	7.478	63	252431	31.255	ug/L		94
54) Bromodichloromethane	6.861	83	570896	30.337	ug/L		98
57) 1,4-Dioxane	7.070	88	79622	607.393	ug/L		89
58) cis-1,3-Dichloropropene	7.550	75	651702	30.791	ug/L		93
61) Toluene	7.808	92	1023703	30.554	ug/L		98
62) 4-Methyl-2-pentanone	8.245	58	136502	31.996	ug/L		91
63) Tetrachloroethene	8.259	166	451999	30.722	ug/L		99
65) trans-1,3-Dichloropropene	8.302	75	584370	31.755	ug/L		99
67) Ethyl methacrylate	8.481	69	518254	31.524	ug/L		93
68) 1,1,2-Trichloroethane	8.488	83	295943	31.202	ug/L		98
69) Chlorodibromomethane	8.696	129	431725	31.743	ug/L		99
70) 1,3-Dichloropropane	8.810	76	599827	30.729	ug/L		100
71) 1,2-Dibromoethane	8.975	107	358852	30.532	ug/L		99
72) 2-Hexanone	9.255	43	251437	33.189	ug/L		95
73) Chlorobenzene	9.620	112	1084789	30.392	ug/L		96
74) Ethylbenzene	9.653	91	1943179	31.166	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.703	131	421722	31.353	ug/L		99
76) p/m Xylene	9.842	106	1504512	61.879	ug/L		95
77) o Xylene	10.385	106	1468136	62.135	ug/L		96

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A10.D
Acq On : 3 Oct 2024 7:42 am
Operator : GONZO:MKS
Sample : I8260STD30PPB
Misc : WG1980167
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 04 09:18:11 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.451	104	2522918	62.737	ug/L		95
80) Bromoform	10.484	173	307913	33.810	ug/L		99
82) Isopropylbenzene	10.756	105	1884439	31.342	ug/L		99
84) Bromobenzene	11.200	156	500519	30.448	ug/L		99
85) n-Propylbenzene	11.241	91	2184901	31.622	ug/L		97
86) 1,4-Dichlorobutane	11.266	55	702012	31.758	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.331	83	451730	31.240	ug/L		99
88) 4-Ethyltoluene	11.364	105	1782280	31.404	ug/L		99
89) 2-Chlorotoluene	11.406	91	1312288M1	31.848	ug/L		
90) 1,3,5-Trimethylbenzene	11.463	105	1581412	31.528	ug/L		97
91) 1,2,3-Trichloropropane	11.471	75	378921	32.663	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.521	53	148851	32.428	ug/L	#	95
93) 4-Chlorotoluene	11.586	91	1372889	30.836	ug/L		98
94) tert-Butylbenzene	11.800	119	1255672	31.060	ug/L		96
97) 1,2,4-Trimethylbenzene	11.874	105	1523804	31.448	ug/L		97
98) sec-Butylbenzene	11.990	105	1841145	31.644	ug/L		100
99) p-Isopropyltoluene	12.138	119	1522961	30.952	ug/L		98
100) 1,3-Dichlorobenzene	12.212	146	912927	31.606	ug/L		99
101) 1,4-Dichlorobenzene	12.310	146	926896	30.971	ug/L		99
102) p-Diethylbenzene	12.516	119	849608	31.225	ug/L		97
103) n-Butylbenzene	12.574	91	1212866	30.953	ug/L		99
104) 1,2-Dichlorobenzene	12.730	146	868149	30.341	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.306	119	1159595	31.329	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.511	155	75820	32.760	ug/L		97
107) 1,3,5-Trichlorobenzene	13.536	180	562839	31.564	ug/L		99
108) Hexachlorobutadiene	14.104	225	179911	32.123	ug/L		99
109) 1,2,4-Trichlorobenzene	14.137	180	480889	31.504	ug/L		99
110) Naphthalene	14.425	128	979680	32.380	ug/L		100
111) 1,2,3-Trichlorobenzene	14.589	180	400297	31.666	ug/L		99

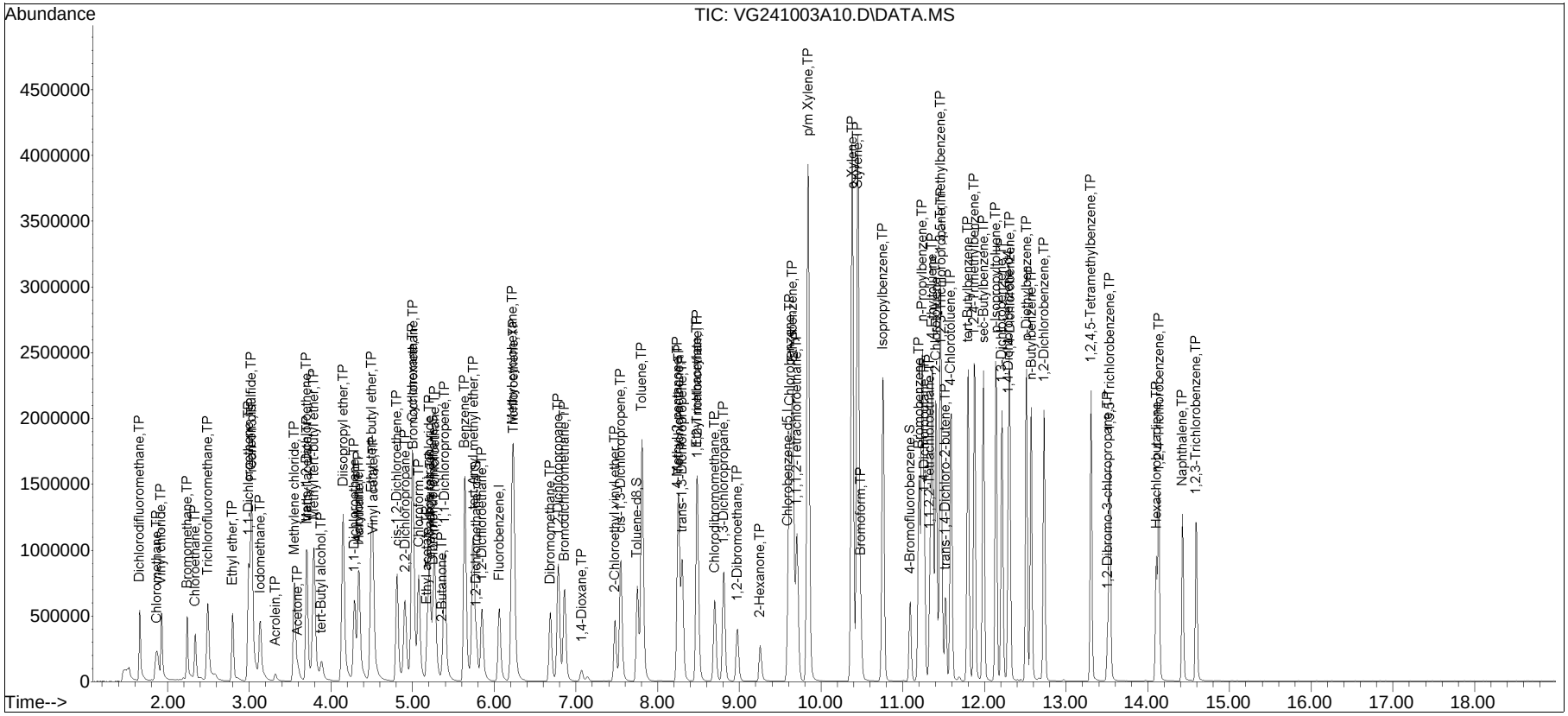
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A10.D
Acq On : 3 Oct 2024 7:42 am
Operator : GONZO:MKS
Sample : I8260STD30PPB
Misc : WG1980167
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 04 09:18:11 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

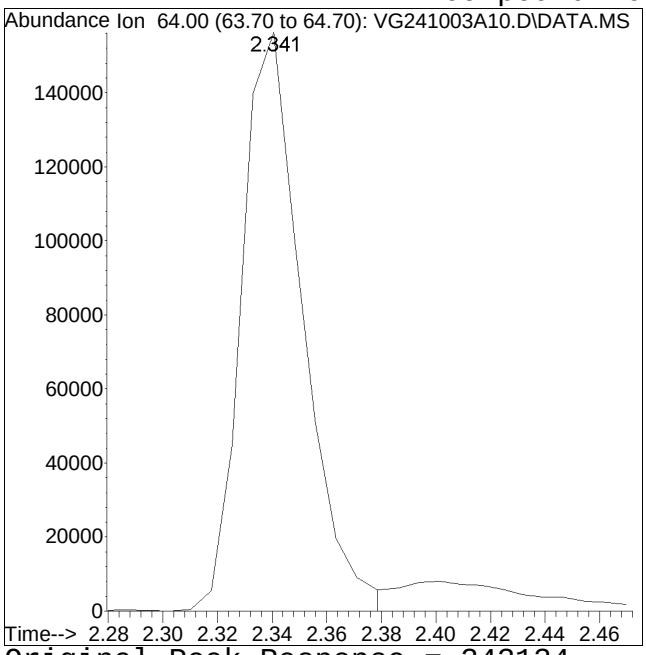
Sub List : 8260-Curve - Megamix plus DioxVG241003A09.D•

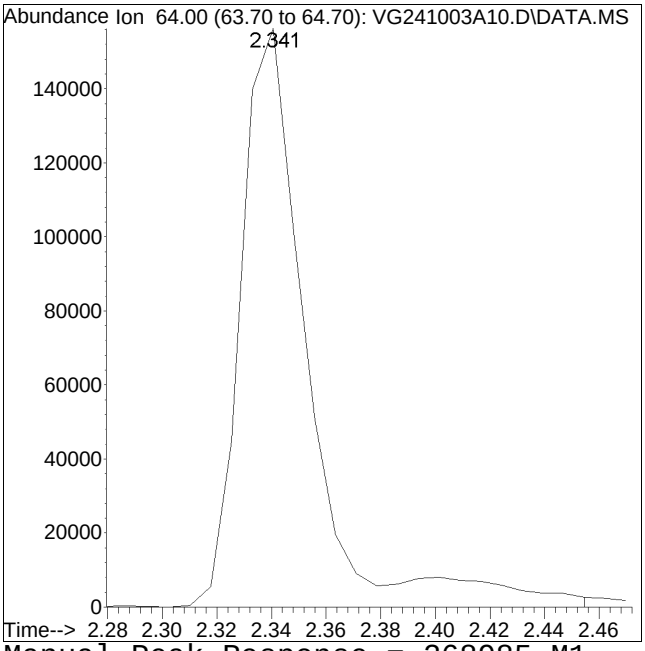


Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A10.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 7:42 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 10/4/2024 9:08 am

Compound #6: Chloroethane



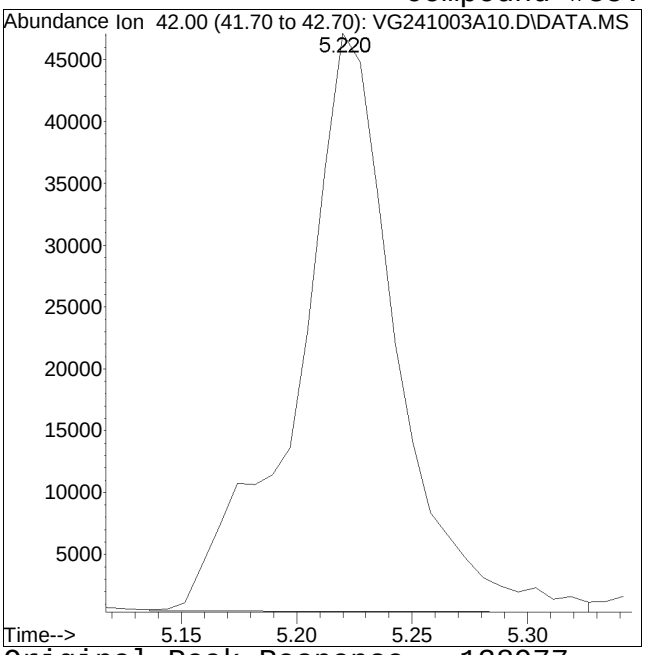


Original Peak Response = 243134 Manual Peak Response = 268985 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

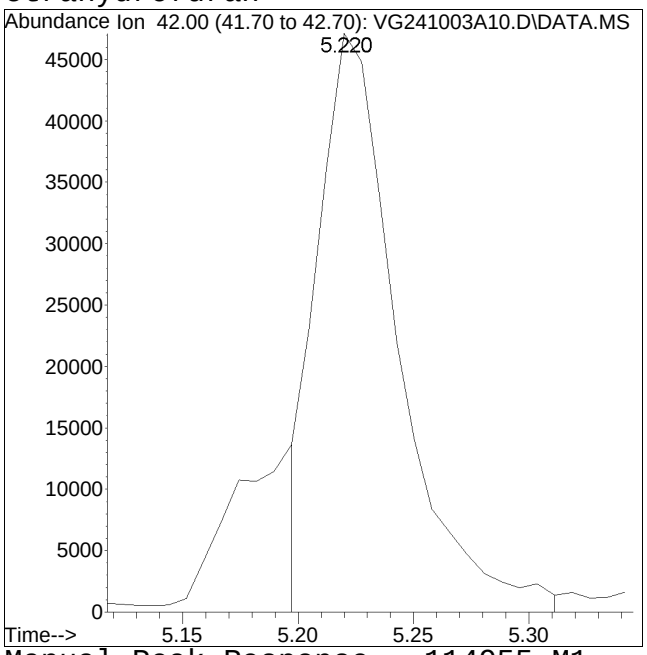
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A10.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 7:42 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 10/4/2024 9:08 am

Compound #35: Tetrahydrofuran



Original Peak Response = 138977



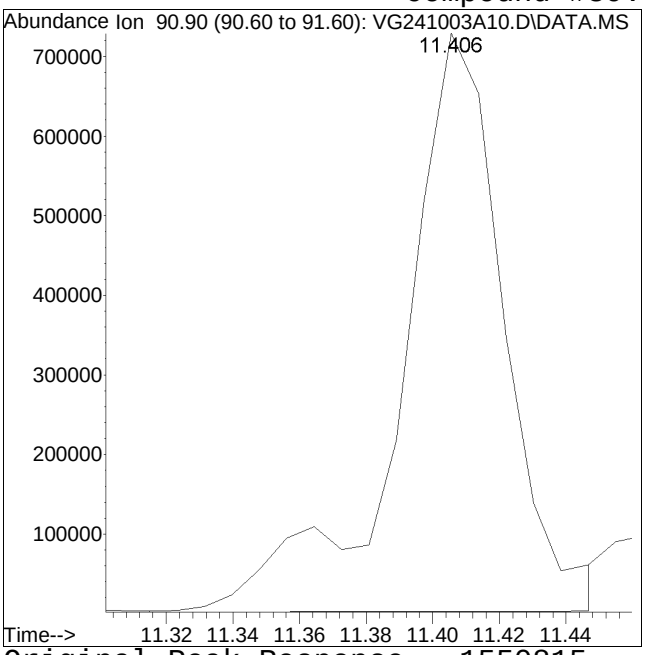
Manual Peak Response = 114955 M1

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

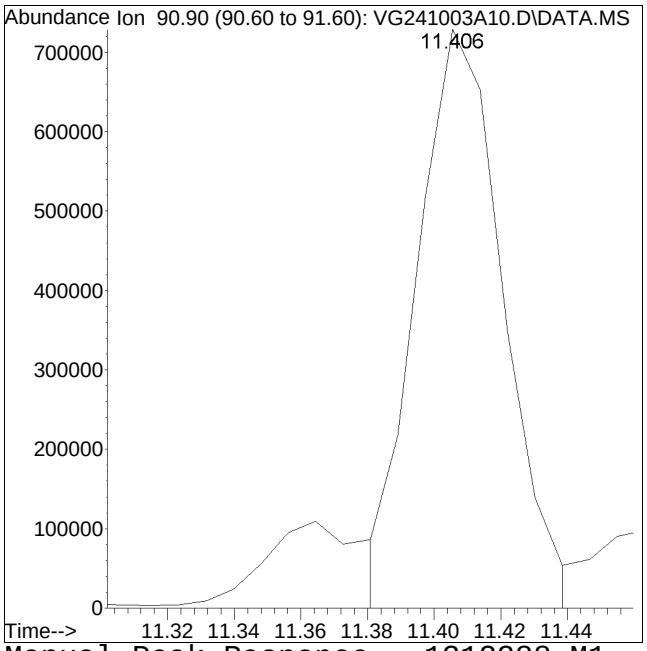
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A10.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 7:42 am Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 10/4/2024 9:08 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 1550815



Manual Peak Response = 1312288 M1

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A11.D
Acq On : 3 Oct 2024 8:06 am
Operator : GONZO:MKS
Sample : I8260STD80PPB
Misc : WG1980167
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 04 09:25:58 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.063	96	660047	10.000 ug/L	0.00
Standard Area 1 = 615193			Recovery = 107.29%		
59) Chlorobenzene-d5	9.604	117	487281	10.000 ug/L	0.00
Standard Area 1 = 451007			Recovery = 108.04%		
79) 1,4-Dichlorobenzene-d4	12.294	152	276238	10.000 ug/L	0.00
Standard Area 1 = 256709			Recovery = 107.61%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.258	113	163975	9.906 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.06%		
43) 1,2-Dichloroethane-d4	5.782	65	185730	9.468 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.68%		
60) Toluene-d8	7.750	98	638212	10.008 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.08%		
83) 4-Bromofluorobenzene	11.093	95	244382	10.333 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.33%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.657	85	1163311	75.759 ug/L	98
3) Chloromethane	1.870	50	1191590	76.993 ug/L	99
4) Vinyl chloride	1.923	62	1282281	77.703 ug/L	100
5) Bromomethane	2.242	94	677286	83.252 ug/L	98
6) Chloroethane	2.341	64	546841M1	57.592 ug/L	
7) Trichlorofluoromethane	2.493	101	1715776	78.627 ug/L	99
8) Ethyl ether	2.797	74	624377	84.731 ug/L	85
10) 1,1-Dichloroethene	2.994	96	985522	82.955 ug/L	89
11) Carbon disulfide	3.025	76	3015604	84.815 ug/L	100
12) Freon-113	3.025	101	1027519	78.832 ug/L #	72
13) Iodomethane	3.131	142	1788285	89.383 ug/L	97
14) Acrolein	3.321	56	168510	88.965 ug/L	99
15) Methylene chloride	3.556	84	1135632	82.892 ug/L	86
17) Acetone	3.594	43	302819	92.007 ug/L	94
18) trans-1,2-Dichloroethene	3.701	96	1080996	83.528 ug/L	91
19) Methyl acetate	3.708	43	692516	89.520 ug/L	93
20) Methyl tert-butyl ether	3.792	73	3612725	87.258 ug/L	93
21) tert-Butyl alcohol	3.891	59	557128	449.163 ug/L	95
22) Diisopropyl ether	4.149	45	4088701	85.282 ug/L	97
23) 1,1-Dichloroethane	4.286	63	2101438	83.108 ug/L	99
24) Halothane	4.339	117	868473	83.282 ug/L	99

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A11.D
Acq On : 3 Oct 2024 8:06 am
Operator : GONZO:MKS
Sample : I8260STD80PPB
Misc : WG1980167
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 04 09:25:58 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.339	53	388938	91.575	ug/L		92
26) Ethyl tert-butyl ether	4.498	59	3850020	89.206	ug/L		86
27) Vinyl acetate	4.521	43	3038250	86.695	ug/L		98
28) cis-1,2-Dichloroethene	4.810	96	1245290	83.309	ug/L		95
29) 2,2-Dichloropropane	4.909	77	1359337	82.246	ug/L		99
30) Bromochloromethane	5.007	128	542106	79.735	ug/L	#	83
31) Cyclohexane	5.000	56	2049277	81.289	ug/L		84
32) Chloroform	5.076	83	2044376	85.472	ug/L		98
33) Ethyl acetate	5.175	43	1125425	91.103	ug/L	#	96
34) Carbon tetrachloride	5.205	117	1580590	83.395	ug/L		99
35) Tetrahydrofuran	5.220	42	347938M1	86.954	ug/L		
37) 1,1,1-Trichloroethane	5.273	97	1792739	81.930	ug/L		97
39) 2-Butanone	5.364	43	484945	94.910	ug/L	#	76
40) 1,1-Dichloropropene	5.395	75	1530722	81.539	ug/L		99
41) Benzene	5.638	78	4758048	83.991	ug/L		96
42) tert-Amyl methyl ether	5.744	73	3374175	85.726	ug/L		99
44) 1,2-Dichloroethane	5.851	62	1517724	83.032	ug/L		99
47) Methyl cyclohexane	6.215	83	1695805	78.180	ug/L	#	82
48) Trichloroethene	6.238	95	1181763	82.295	ug/L		97
50) Dibromomethane	6.686	93	701005	85.826	ug/L		99
51) 1,2-Dichloropropane	6.785	63	1193096	84.009	ug/L		97
53) 2-Chloroethyl vinyl ether	7.478	63	743641	89.217	ug/L		95
54) Bromodichloromethane	6.861	83	1625195	83.680	ug/L		99
57) 1,4-Dioxane	7.070	88	118235	873.953	ug/L		92
58) cis-1,3-Dichloropropene	7.550	75	1833563	83.943	ug/L		93
61) Toluene	7.808	92	2843319	81.505	ug/L		97
62) 4-Methyl-2-pentanone	8.245	58	393905	88.678	ug/L		91
63) Tetrachloroethene	8.259	166	1236667	80.728	ug/L		98
65) trans-1,3-Dichloropropene	8.302	75	1681114	87.739	ug/L		99
67) Ethyl methacrylate	8.481	69	1506796	88.026	ug/L		92
68) 1,1,2-Trichloroethane	8.488	83	846249	85.691	ug/L		98
69) Chlorodibromomethane	8.696	129	1240343	87.588	ug/L		99
70) 1,3-Dichloropropane	8.811	76	1693180	83.308	ug/L		99
71) 1,2-Dibromoethane	8.975	107	1020654	83.405	ug/L		100
72) 2-Hexanone	9.255	43	732335	92.840	ug/L		96
73) Chlorobenzene	9.621	112	3101102	83.444	ug/L		96
74) Ethylbenzene	9.653	91	5588715	86.090	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.703	131	1206010	86.114	ug/L		100
76) p/m Xylene	9.843	106	4244351	167.657	ug/L		93
77) o Xylene	10.386	106	4113079	167.186	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A11.D
Acq On : 3 Oct 2024 8:06 am
Operator : GONZO:MKS
Sample : I8260STD80PPB
Misc : WG1980167
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 04 09:25:58 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.451	104	7315199	174.708	ug/L		94
80) Bromoform	10.484	173	905241	95.611	ug/L		99
82) Isopropylbenzene	10.756	105	5360897	85.764	ug/L		98
84) Bromobenzene	11.200	156	1395661	81.666	ug/L		100
85) n-Propylbenzene	11.241	91	6295136	87.636	ug/L		96
86) 1,4-Dichlorobutane	11.266	55	2063336	89.784	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.340	83	1334802	88.792	ug/L		99
88) 4-Ethyltoluene	11.365	105	5124183	86.847	ug/L		98
89) 2-Chlorotoluene	11.406	91	3776096M1	88.149	ug/L		
90) 1,3,5-Trimethylbenzene	11.463	105	4464680	85.618	ug/L		97
91) 1,2,3-Trichloropropane	11.471	75	1097809	91.025	ug/L		97
92) trans-1,4-Dichloro-2-b...	11.521	53	446391	93.542	ug/L	#	95
93) 4-Chlorotoluene	11.595	91	3968539	85.741	ug/L		97
94) tert-Butylbenzene	11.801	119	3505950	83.419	ug/L		94
97) 1,2,4-Trimethylbenzene	11.875	105	4355851	86.469	ug/L		96
98) sec-Butylbenzene	11.990	105	5160130	85.308	ug/L		99
99) p-Isopropyltoluene	12.138	119	4316122	84.375	ug/L		98
100) 1,3-Dichlorobenzene	12.220	146	2577481	85.834	ug/L		99
101) 1,4-Dichlorobenzene	12.311	146	2615240	84.056	ug/L		99
102) p-Diethylbenzene	12.516	119	2452620	86.705	ug/L		97
103) n-Butylbenzene	12.574	91	3563710	87.484	ug/L		99
104) 1,2-Dichlorobenzene	12.730	146	2466053	82.901	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.306	119	3419995	88.877	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.512	155	219616	91.275	ug/L		96
107) 1,3,5-Trichlorobenzene	13.536	180	1577169	85.078	ug/L		99
108) Hexachlorobutadiene	14.104	225	521163	89.508	ug/L		99
109) 1,2,4-Trichlorobenzene	14.137	180	1383188	87.164	ug/L		99
110) Naphthalene	14.425	128	2945078	93.629	ug/L		100
111) 1,2,3-Trichlorobenzene	14.598	180	1157006	88.039	ug/L		99

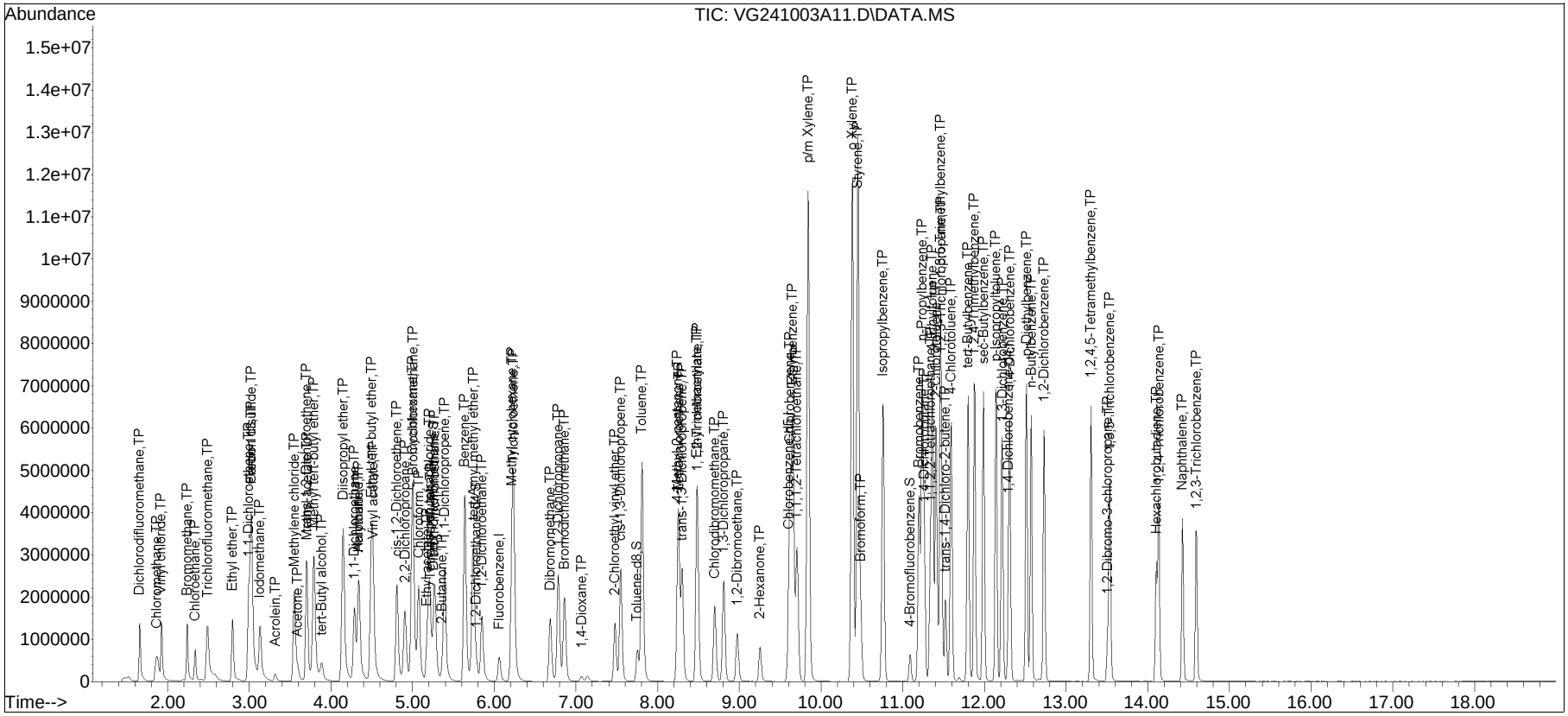
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A11.D
Acq On : 3 Oct 2024 8:06 am
Operator : GONZO:MKS
Sample : I8260STD80PPB
Misc : WG1980167
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 04 09:25:58 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

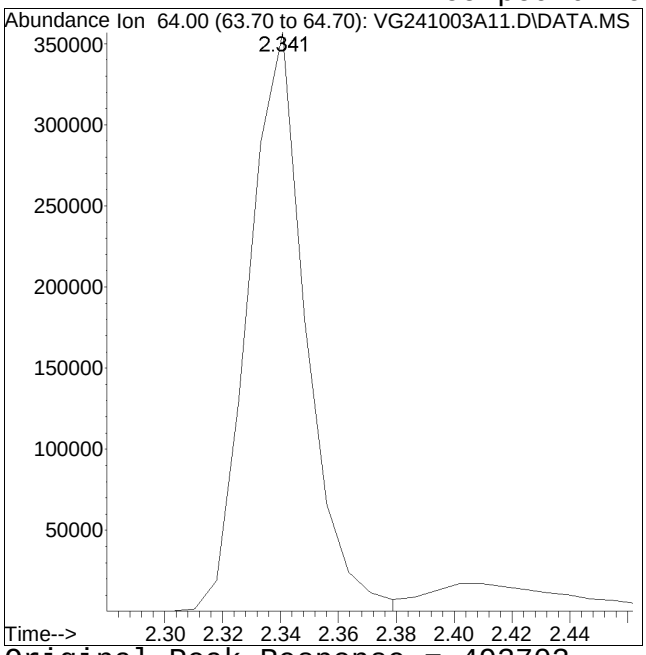
Sub List : 8260-Curve - Megamix plus DioxVG241003A09.D•

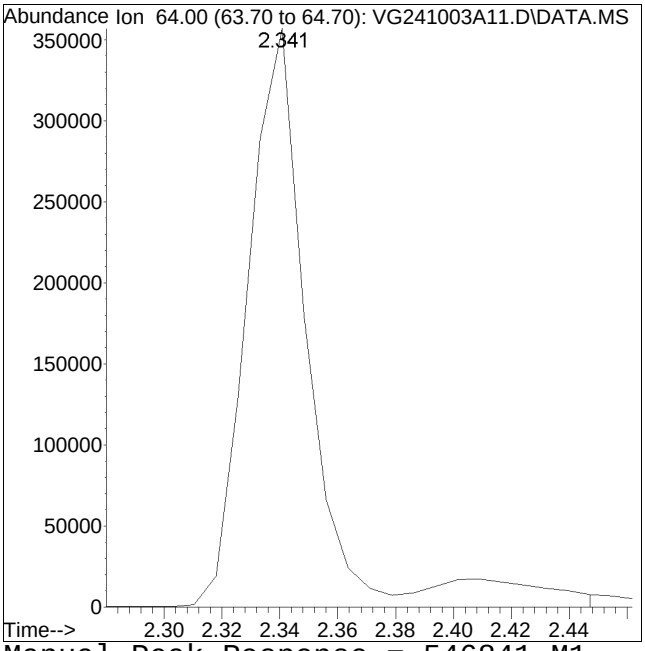


Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A11.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 8:06 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 10/4/2024 9:08 am

Compound #6: Chloroethane



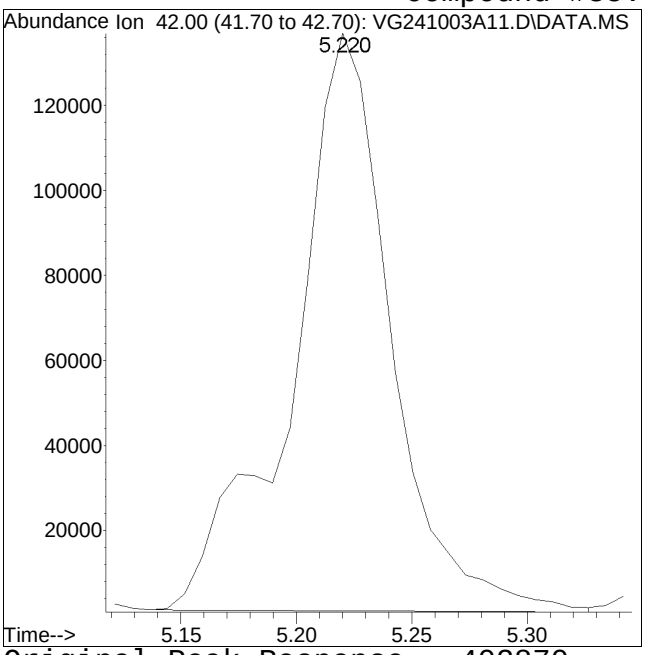


Original Peak Response = 493703 Manual Peak Response = 546841 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

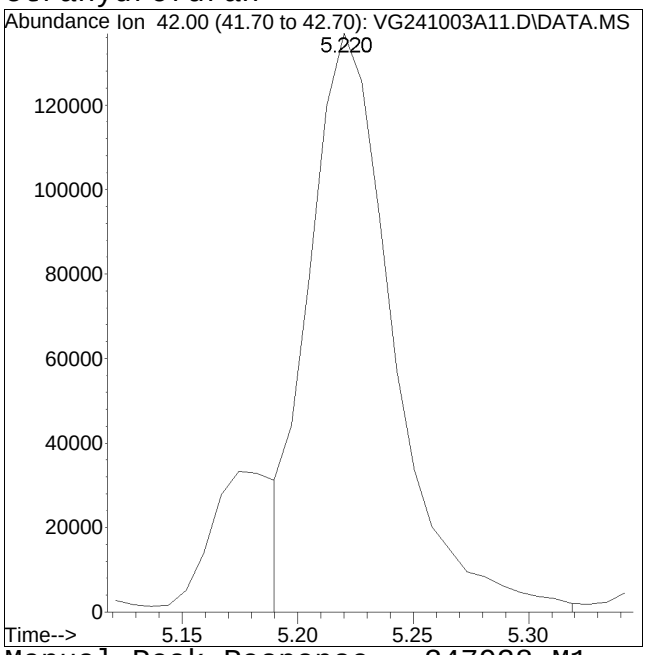
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A11.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 8:06 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 10/4/2024 9:08 am

Compound #35: Tetrahydrofuran



Original Peak Response = 402870



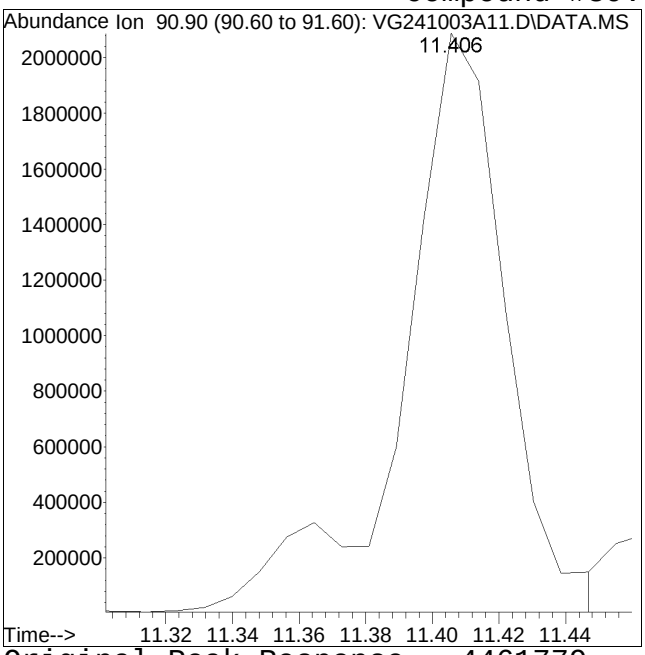
Manual Peak Response = 347938 M1

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

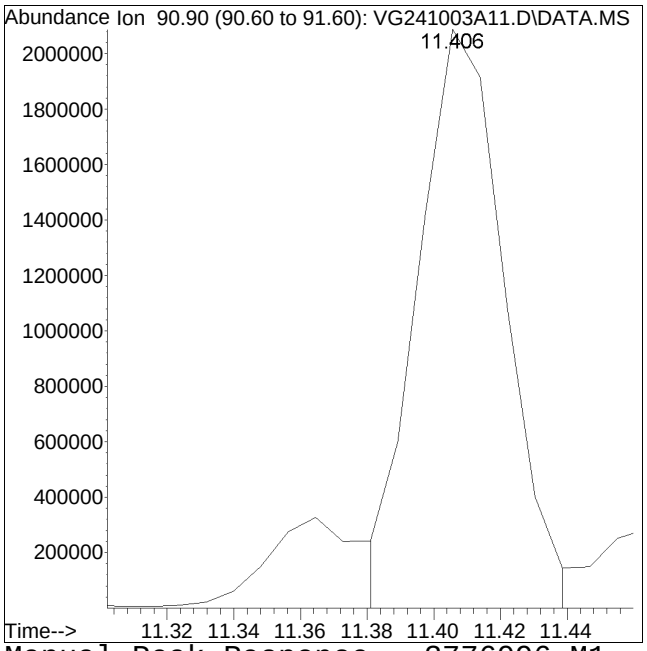
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A11.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 8:06 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 10/4/2024 9:08 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 4461779



Manual Peak Response = 3776096 M1

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A12.D
Acq On : 3 Oct 2024 8:30 am
Operator : GONZO:MKS
Sample : I8260STD120PPB
Misc : WG1980167
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 04 09:26:11 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.064	96	673653	10.000 ug/L	0.00
Standard Area 1 = 615193			Recovery = 109.50%		
59) Chlorobenzene-d5	9.596	117	488575	10.000 ug/L	0.00
Standard Area 1 = 451007			Recovery = 108.33%		
79) 1,4-Dichlorobenzene-d4	12.294	152	279546	10.000 ug/L	0.00
Standard Area 1 = 256709			Recovery = 108.90%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.251	113	168950	10.000 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%		
43) 1,2-Dichloroethane-d4	5.782	65	193009	9.641 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.41%		
60) Toluene-d8	7.751	98	650677	10.177 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.77%		
83) 4-Bromofluorobenzene	11.085	95	245888	10.273 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.73%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.657	85	1711945	109.236 ug/L	98
3) Chloromethane	1.870	50	1830170	115.866 ug/L	99
4) Vinyl chloride	1.923	62	1900831	112.859 ug/L	99
5) Bromomethane	2.242	94	1074724	129.437 ug/L	97
6) Chloroethane	2.333	64	649275M1	66.999 ug/L	
7) Trichlorofluoromethane	2.485	101	2594262	116.483 ug/L	99
8) Ethyl ether	2.797	74	973208	129.401 ug/L	86
10) 1,1-Dichloroethene	2.994	96	1507253	124.308 ug/L	89
11) Carbon disulfide	3.025	76	4628497	127.548 ug/L	99
12) Freon-113	3.025	101	1530816	115.073 ug/L #	68
13) Iodomethane	3.131	142	2677905	131.144 ug/L	97
14) Acrolein	3.313	56	236841	122.515 ug/L	99
15) Methylene chloride	3.549	84	1744531	124.765 ug/L	87
17) Acetone	3.594	43	486024	144.689 ug/L	95
18) trans-1,2-Dichloroethene	3.701	96	1655199	125.313 ug/L	91
19) Methyl acetate	3.708	43	1012225	128.205 ug/L	94
20) Methyl tert-butyl ether	3.792	73	5520065	130.634 ug/L	93
21) tert-Butyl alcohol	3.891	59	860229	679.519 ug/L	98
22) Diisopropyl ether	4.149	45	6283566	128.416 ug/L	96
23) 1,1-Dichloroethane	4.286	63	3221344	124.825 ug/L	99
24) Halothane	4.339	117	1323534	124.356 ug/L	99

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A12.D
Acq On : 3 Oct 2024 8:30 am
Operator : GONZO:MKS
Sample : I8260STD120PPB
Misc : WG1980167
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 04 09:26:11 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.339	53	595928	137.476	ug/L		92
26) Ethyl tert-butyl ether	4.499	59	5903106	134.014	ug/L		92
27) Vinyl acetate	4.521	43	3102024	86.727	ug/L		97
28) cis-1,2-Dichloroethene	4.810	96	1895554	124.250	ug/L		95
29) 2,2-Dichloropropane	4.909	77	2077782	123.176	ug/L		99
30) Bromochloromethane	5.008	128	800574	115.374	ug/L	#	83
31) Cyclohexane	5.000	56	3006850	116.865	ug/L		84
32) Chloroform	5.076	83	3124241	127.982	ug/L		98
33) Ethyl acetate	5.175	43	1694964	134.436	ug/L	#	96
34) Carbon tetrachloride	5.205	117	2377868	122.928	ug/L		99
35) Tetrahydrofuran	5.220	42	510973M1	125.119	ug/L		
37) 1,1,1-Trichloroethane	5.273	97	2700249	120.911	ug/L		97
39) 2-Butanone	5.365	43	738959	141.703	ug/L	#	76
40) 1,1-Dichloropropene	5.395	75	2309946	120.561	ug/L		99
41) Benzene	5.638	78	7194632	124.438	ug/L		95
42) tert-Amyl methyl ether	5.737	73	5149960	128.200	ug/L		99
44) 1,2-Dichloroethane	5.851	62	2310540	123.853	ug/L		99
47) Methyl cyclohexane	6.215	83	2427859	109.669	ug/L	#	83
48) Trichloroethene	6.238	95	1895130	129.306	ug/L		97
50) Dibromomethane	6.687	93	1060272	127.190	ug/L		98
51) 1,2-Dichloropropane	6.785	63	1805796	124.583	ug/L		97
53) 2-Chloroethyl vinyl ether	7.478	63	1122200	131.914	ug/L		95
54) Bromodichloromethane	6.861	83	2456686	123.938	ug/L		99
57) 1,4-Dioxane	7.070	88	180411	1306.603	ug/L		90
58) cis-1,3-Dichloropropene	7.550	75	2797657	125.493	ug/L		93
61) Toluene	7.808	92	4232061	120.992	ug/L		96
62) 4-Methyl-2-pentanone	8.245	58	597573	134.173	ug/L		92
63) Tetrachloroethene	8.259	166	1837470	119.631	ug/L		98
65) trans-1,3-Dichloropropene	8.302	75	2567389	133.639	ug/L		99
67) Ethyl methacrylate	8.481	69	2284488	133.105	ug/L		92
68) 1,1,2-Trichloroethane	8.488	83	1278366	129.105	ug/L		97
69) Chlorodibromomethane	8.696	129	1871535	131.809	ug/L		99
70) 1,3-Dichloropropane	8.811	76	2552319	125.247	ug/L		100
71) 1,2-Dibromoethane	8.975	107	1541090	125.600	ug/L		100
72) 2-Hexanone	9.255	43	1133711	143.343	ug/L		96
73) Chlorobenzene	9.621	112	4679435	125.581	ug/L		96
74) Ethylbenzene	9.654	91	8445734	129.755	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.703	131	1813432	129.144	ug/L		99
76) p/m Xylene	9.843	106	6361308	250.614	ug/L		92
77) o Xylene	10.386	106	6220876	252.193	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A12.D
Acq On : 3 Oct 2024 8:30 am
Operator : GONZO:MKS
Sample : I8260STD120PPB
Misc : WG1980167
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 04 09:26:11 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.452	104	11000976	262.038	ug/L		93
80) Bromoform	10.485	173	1369708	142.956	ug/L		99
82) Isopropylbenzene	10.756	105	8005601	126.559	ug/L		98
84) Bromobenzene	11.200	156	2088530	120.762	ug/L		100
85) n-Propylbenzene	11.241	91	9365737	128.840	ug/L		96
86) 1,4-Dichlorobutane	11.266	55	3141496	135.082	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.340	83	1853109	121.811	ug/L		99
88) 4-Ethyltoluene	11.365	105	7653536	128.181	ug/L		98
89) 2-Chlorotoluene	11.406	91	5671452M1	130.828	ug/L		
90) 1,3,5-Trimethylbenzene	11.463	105	6661580	126.236	ug/L		96
91) 1,2,3-Trichloropropane	11.472	75	1648671	135.082	ug/L		96
92) trans-1,4-Dichloro-2-b...	11.521	53	683476	141.529	ug/L	#	95
93) 4-Chlorotoluene	11.595	91	5969566	127.447	ug/L		96
94) tert-Butylbenzene	11.801	119	5265899	123.812	ug/L		94
97) 1,2,4-Trimethylbenzene	11.875	105	6585214	129.178	ug/L		96
98) sec-Butylbenzene	11.990	105	7723963	126.182	ug/L		99
99) p-Isopropyltoluene	12.146	119	6506872	125.697	ug/L		98
100) 1,3-Dichlorobenzene	12.220	146	3842260	126.438	ug/L		99
101) 1,4-Dichlorobenzene	12.311	146	3897765	123.794	ug/L		99
102) p-Diethylbenzene	12.516	119	3672622	128.297	ug/L		97
103) n-Butylbenzene	12.574	91	5346676	129.699	ug/L		99
104) 1,2-Dichlorobenzene	12.730	146	3679251	122.221	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.306	119	5274571	135.451	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.512	155	344314	141.407	ug/L		98
107) 1,3,5-Trichlorobenzene	13.536	180	2345215	125.012	ug/L		99
108) Hexachlorobutadiene	14.104	225	757763	128.603	ug/L		99
109) 1,2,4-Trichlorobenzene	14.129	180	2025872	126.153	ug/L		99
110) Naphthalene	14.425	128	4493915	141.179	ug/L		100
111) 1,2,3-Trichlorobenzene	14.589	180	1687549	126.889	ug/L		98

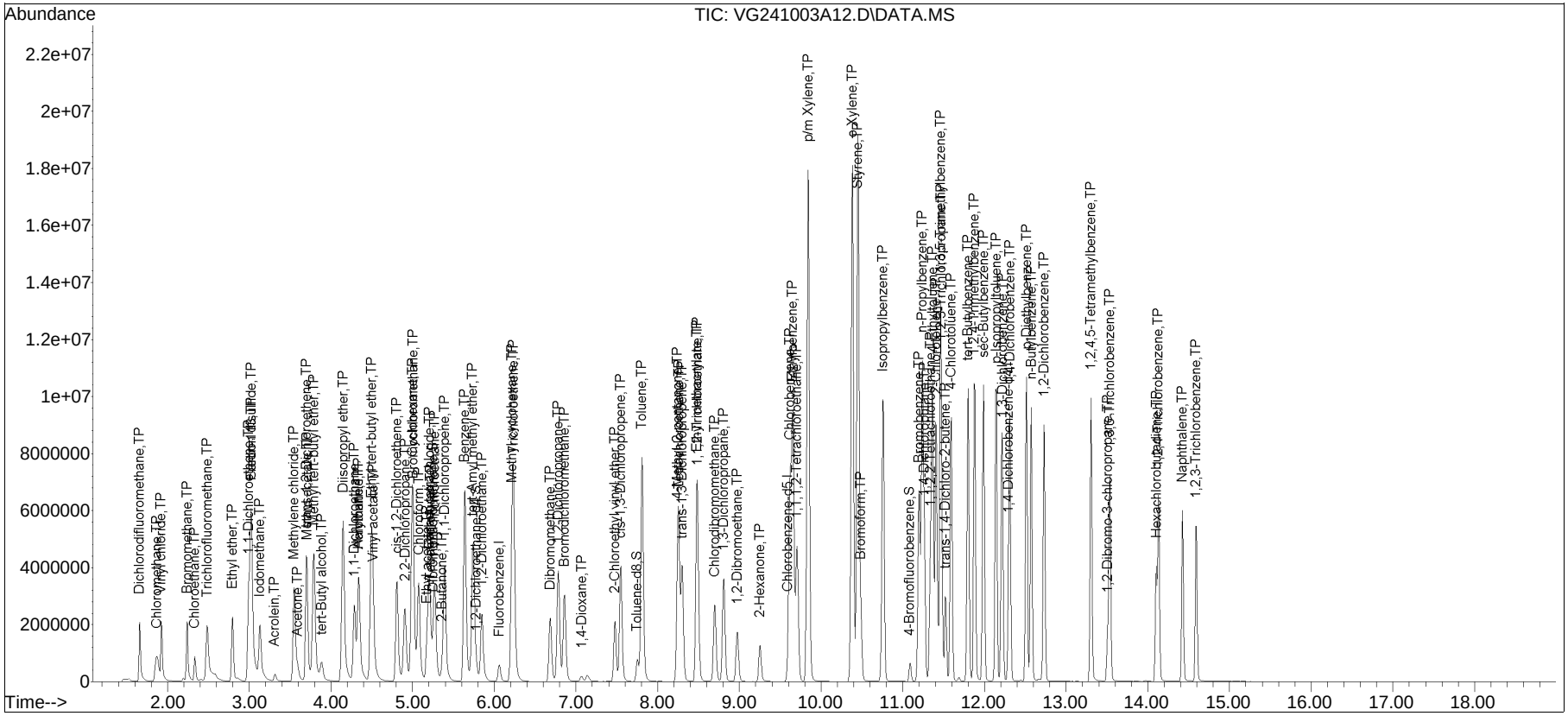
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A12.D
Acq On : 3 Oct 2024 8:30 am
Operator : GONZO:MKS
Sample : I8260STD120PPB
Misc : WG1980167
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 04 09:26:11 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

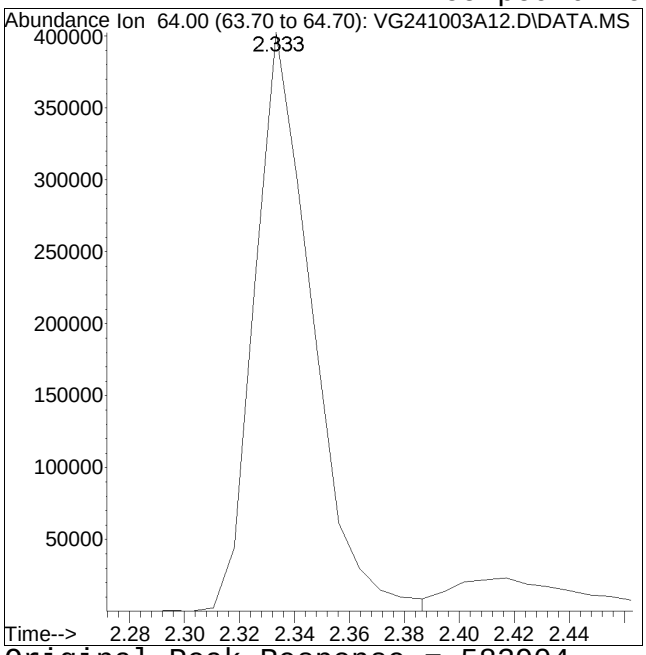
Sub List : 8260-Curve - Megamix plus DioxVG241003A09.D•

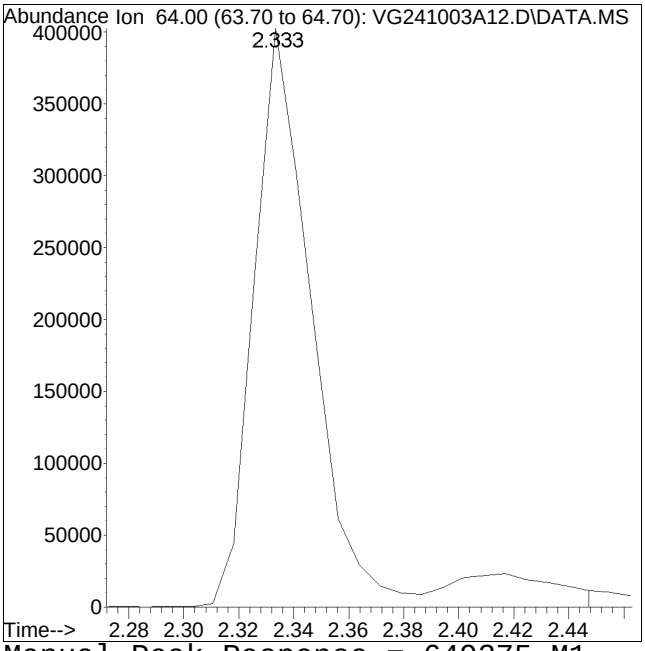


Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A12.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 8:30 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 10/4/2024 9:08 am

Compound #6: Chloroethane





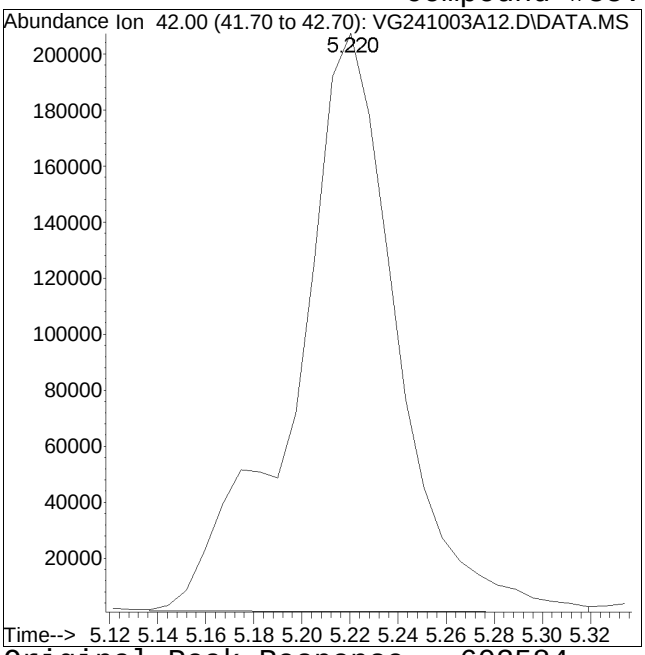
Original Peak Response = 583904 Manual Peak Response = 649275 M1

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

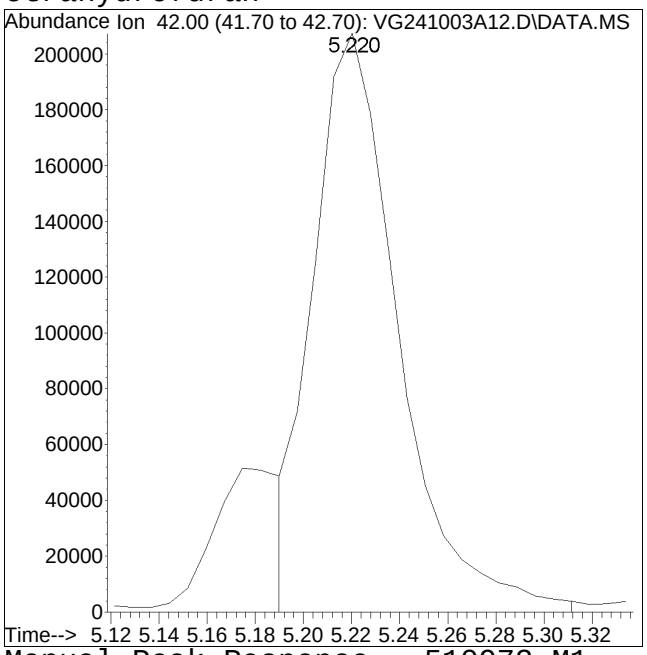
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A12.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 8:30 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 10/4/2024 9:08 am

Compound #35: Tetrahydrofuran



Original Peak Response = 603584



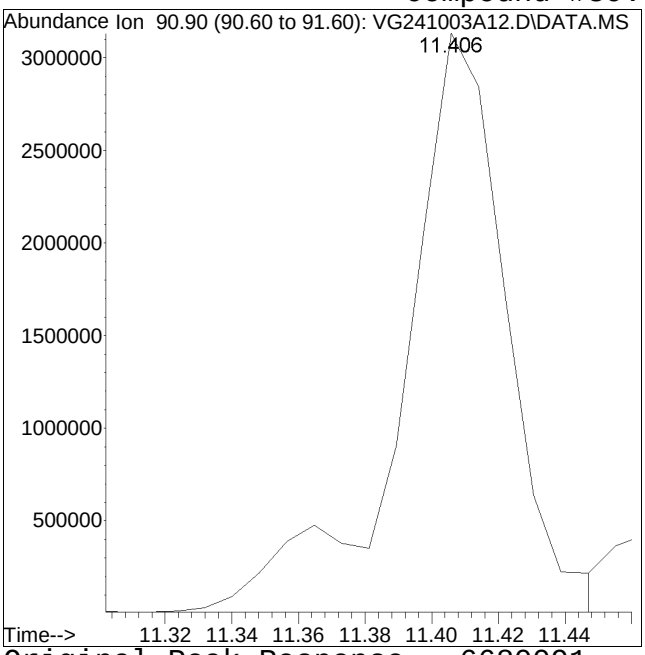
Manual Peak Response = 510973 M1

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

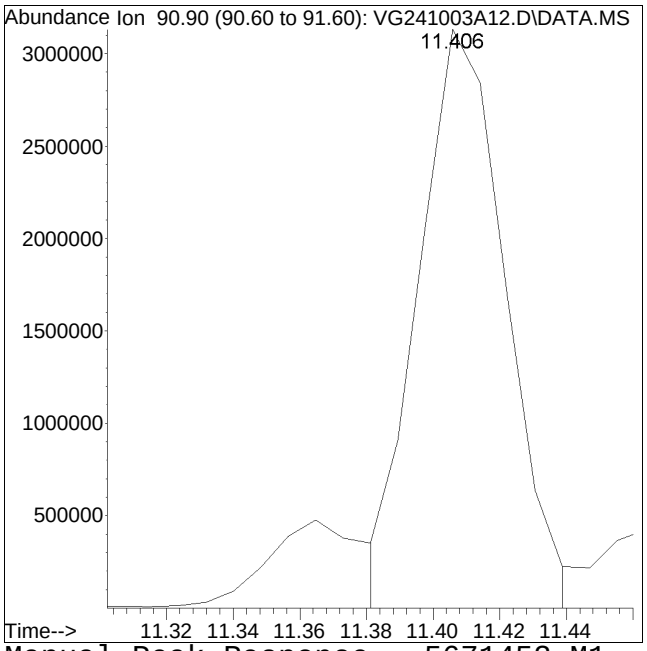
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A12.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 8:30 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 10/4/2024 9:08 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 6680091



Manual Peak Response = 5671452 M1

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A13.D
Acq On : 3 Oct 2024 8:54 am
Operator : GONZO:MKS
Sample : I8260STD200PPB
Misc : WG1980167
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 04 09:26:30 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.063	96	691180	10.000 ug/L	0.00
Standard Area 1 = 615193			Recovery = 112.35%		
59) Chlorobenzene-d5	9.604	117	502943	10.000 ug/L	0.00
Standard Area 1 = 451007			Recovery = 111.52%		
79) 1,4-Dichlorobenzene-d4	12.294	152	289694	10.000 ug/L	0.00
Standard Area 1 = 256709			Recovery = 112.85%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.258	113	171773	9.909 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.09%		
43) 1,2-Dichloroethane-d4	5.782	65	208696	10.160 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.60%		
60) Toluene-d8	7.757	98	674973	10.255 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.55%		
83) 4-Bromofluorobenzene	11.093	95	256434	10.339 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.39%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.657	85	2910090	180.979 ug/L	98
3) Chloromethane	1.870	50	3135176	193.452 ug/L	99
4) Vinyl chloride	1.923	62	3301989	191.079 ug/L	99
5) Bromomethane	2.242	94	1894692	222.406 ug/L	99
6) Chloroethane	2.333	64	942196M1	94.760 ug/L	
7) Trichlorofluoromethane	2.477	101	4523895	197.974 ug/L	99
8) Ethyl ether	2.797	74	1654141	214.363 ug/L	84
10) 1,1-Dichloroethene	2.994	96	2603198	209.250 ug/L	87
11) Carbon disulfide	3.024	76	8104461	217.673 ug/L	99
12) Freon-113	3.024	101	2691507	197.192 ug/L #	68
13) Iodomethane	3.131	142	4590087	219.089 ug/L	97
14) Acrolein	3.313	56	477277	240.629 ug/L	98
15) Methylene chloride	3.549	84	2974201	207.315 ug/L	86
17) Acetone	3.594	43	799237	231.898 ug/L	96
18) trans-1,2-Dichloroethene	3.701	96	2844373	209.883 ug/L	89
19) Methyl acetate	3.708	43	1778926	219.599 ug/L	94
20) Methyl tert-butyl ether	3.792	73	9485603	218.786 ug/L	93
21) tert-Butyl alcohol	3.890	59	1471154	1132.636 ug/L	94
22) Diisopropyl ether	4.149	45	10973277	218.572 ug/L	96
23) 1,1-Dichloroethane	4.293	63	5299557	200.147 ug/L	99
24) Halothane	4.339	117	2271907	208.050 ug/L	99

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A13.D
Acq On : 3 Oct 2024 8:54 am
Operator : GONZO:MKS
Sample : I8260STD200PPB
Misc : WG1980167
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 04 09:26:30 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.339	53	1010467	227.196	ug/L		93
26) Ethyl tert-butyl ether	4.498	59	10323259	228.419	ug/L		85
27) Vinyl acetate	4.513	43	8184503	223.022	ug/L		98
28) cis-1,2-Dichloroethene	4.810	96	3318381	211.997	ug/L		94
29) 2,2-Dichloropropane	4.909	77	3597022	207.834	ug/L		99
30) Bromochloromethane	5.007	128	1354747	190.287	ug/L	#	81
31) Cyclohexane	5.000	56	5390788	204.206	ug/L		83
32) Chloroform	5.076	83	5362986	214.119	ug/L		97
33) Ethyl acetate	5.174	43	2901541	224.301	ug/L	#	96
34) Carbon tetrachloride	5.205	117	4090333	206.094	ug/L		98
35) Tetrahydrofuran	5.220	42	861202M1	205.530	ug/L		
37) 1,1,1-Trichloroethane	5.273	97	4662164	203.467	ug/L		97
39) 2-Butanone	5.364	43	1254580	234.478	ug/L	#	76
40) 1,1-Dichloropropene	5.395	75	3977438	202.328	ug/L		98
41) Benzene	5.638	78	12379920	208.693	ug/L		95
42) tert-Amyl methyl ether	5.744	73	8883855	215.541	ug/L		99
44) 1,2-Dichloroethane	5.851	62	4014958	209.758	ug/L		99
47) Methyl cyclohexane	6.223	83	4350407	191.529	ug/L	#	81
48) Trichloroethene	6.238	95	3037561	201.999	ug/L		96
50) Dibromomethane	6.686	93	1814110	212.102	ug/L		97
51) 1,2-Dichloropropane	6.785	63	3106694	208.897	ug/L		97
53) 2-Chloroethyl vinyl ether	7.478	63	1919556	219.921	ug/L		94
54) Bromodichloromethane	6.861	83	4229704	207.975	ug/L		99
57) 1,4-Dioxane	7.070	88	308372	2176.711	ug/L		91
58) cis-1,3-Dichloropropene	7.550	75	4798280	209.776	ug/L		92
61) Toluene	7.808	92	7161298	198.889	ug/L		94
62) 4-Methyl-2-pentanone	8.245	58	1015655	221.529	ug/L		92
63) Tetrachloroethene	8.259	166	3124083	197.586	ug/L		97
65) trans-1,3-Dichloropropene	8.302	75	4460573	225.552	ug/L		100
67) Ethyl methacrylate	8.481	69	3945388	223.310	ug/L		92
68) 1,1,2-Trichloroethane	8.488	83	2188392	214.696	ug/L		97
69) Chlorodibromomethane	8.703	129	3210973	219.684	ug/L		98
70) 1,3-Dichloropropane	8.810	76	4388123	209.181	ug/L		99
71) 1,2-Dibromoethane	8.975	107	2631778	208.364	ug/L		99
72) 2-Hexanone	9.255	43	1916772	235.428	ug/L		96
73) Chlorobenzene	9.620	112	8048731	209.831	ug/L		95
74) Ethylbenzene	9.653	91	14633337	218.396	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.711	131	3130063	216.540	ug/L		100
76) p/m Xylene	9.843	106	11085718	424.263	ug/L		96
77) o Xylene	10.386	106	10685869	420.827	ug/L		94

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A13.D
Acq On : 3 Oct 2024 8:54 am
Operator : GONZO:MKS
Sample : I8260STD200PPB
Misc : WG1980167
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 04 09:26:30 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.451	104	17937892	415.067	ug/L		90
80) Bromoform	10.484	173	2304719	232.116	ug/L		99
82) Isopropylbenzene	10.764	105	13910921	212.211	ug/L		98
84) Bromobenzene	11.200	156	3527487	196.820	ug/L		100
85) n-Propylbenzene	11.241	91	15857253	210.500	ug/L		97
86) 1,4-Dichlorobutane	11.266	55	5420547	224.914	ug/L		100
87) 1,1,2,2-Tetrachloroethane	11.340	83	3483482	220.959	ug/L		99
88) 4-Ethyltoluene	11.364	105	13250338	214.142	ug/L		97
89) 2-Chlorotoluene	11.414	91	10064710M1	224.037	ug/L		
90) 1,3,5-Trimethylbenzene	11.463	105	11538271	210.989	ug/L		96
91) 1,2,3-Trichloropropane	11.480	75	2738280	216.499	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.529	53	1169389	233.666	ug/L	#	94
93) 4-Chlorotoluene	11.595	91	10451205	215.311	ug/L		95
94) tert-Butylbenzene	11.800	119	9085477	206.134	ug/L		93
97) 1,2,4-Trimethylbenzene	11.883	105	11495182	217.594	ug/L		96
98) sec-Butylbenzene	11.990	105	13316283	209.920	ug/L		99
99) p-Isopropyltoluene	12.146	119	11369060	211.929	ug/L		98
100) 1,3-Dichlorobenzene	12.220	146	6706842	212.973	ug/L		99
101) 1,4-Dichlorobenzene	12.310	146	6852173	210.004	ug/L		98
102) p-Diethylbenzene	12.516	119	6465591	217.953	ug/L		97
103) n-Butylbenzene	12.574	91	9464274	221.542	ug/L		99
104) 1,2-Dichlorobenzene	12.730	146	6458480	207.029	ug/L		98
105) 1,2,4,5-Tetramethylben...	13.306	119	9359945	231.944	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.512	155	575185	227.949	ug/L		96
107) 1,3,5-Trichlorobenzene	13.536	180	3931422	202.223	ug/L		98
108) Hexachlorobutadiene	14.104	225	1284345	210.336	ug/L		99
109) 1,2,4-Trichlorobenzene	14.137	180	3366309	202.280	ug/L		99
110) Naphthalene	14.425	128	7571975	229.545	ug/L		100
111) 1,2,3-Trichlorobenzene	14.597	180	2681315	194.550	ug/L		99

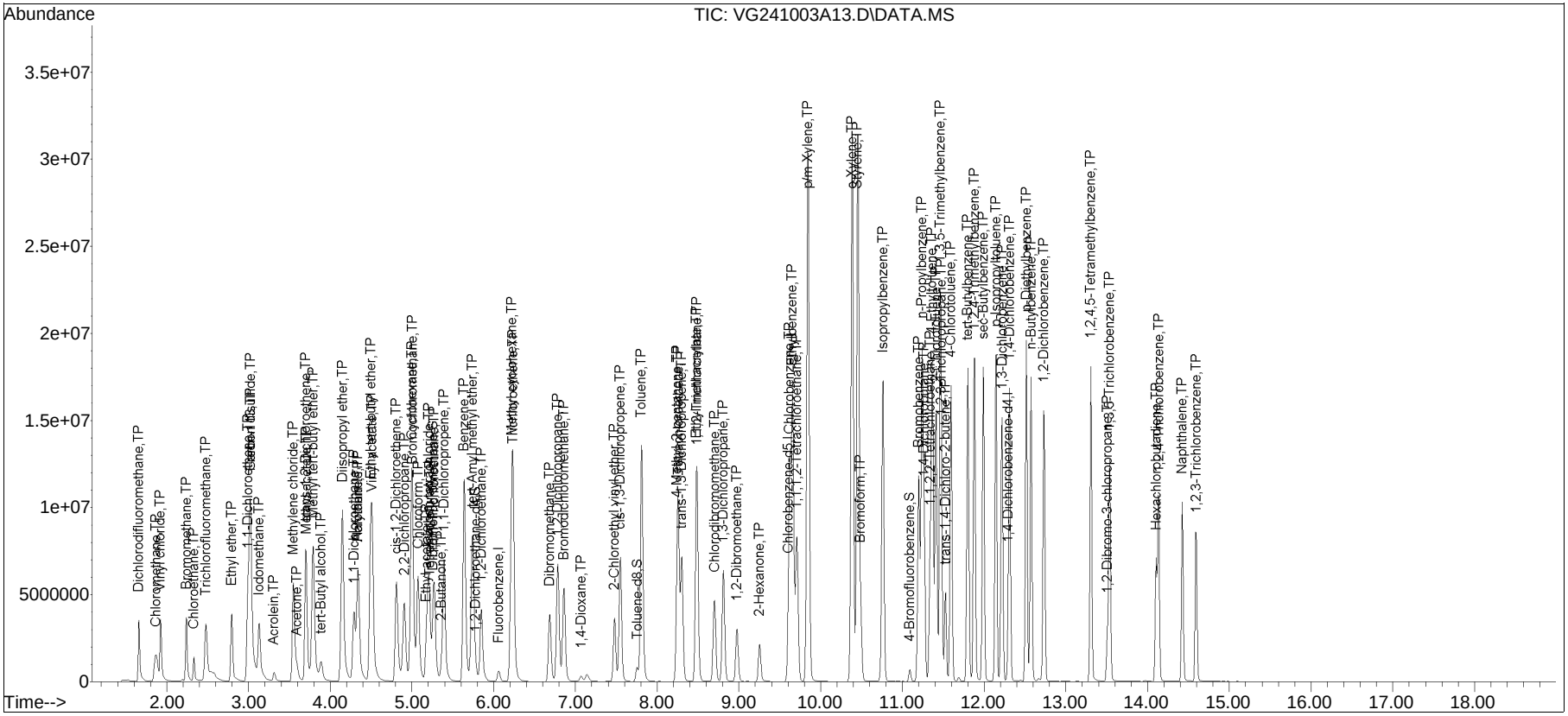
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A13.D
Acq On : 3 Oct 2024 8:54 am
Operator : GONZO:MKS
Sample : I8260STD200PPB
Misc : WG1980167
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 04 09:26:30 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:07:44 2024
Response via : Initial Calibration

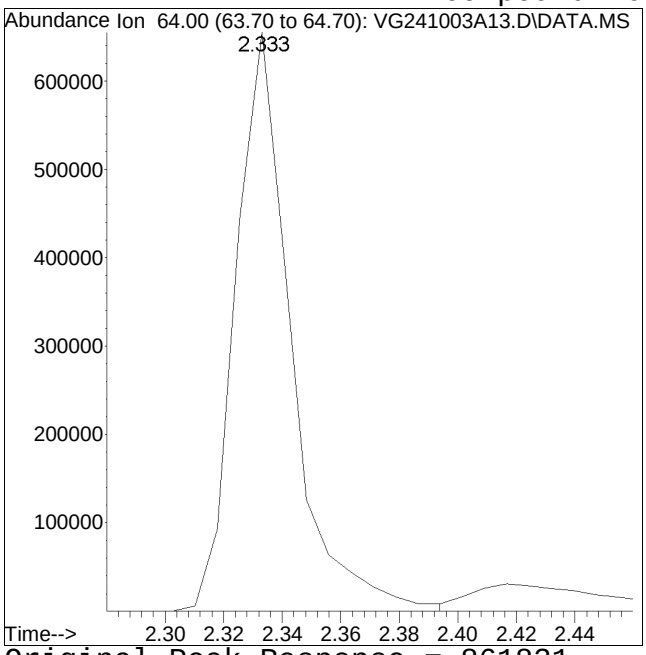
Sub List : 8260-Curve - Megamix plus DioxVG241003A09.D•

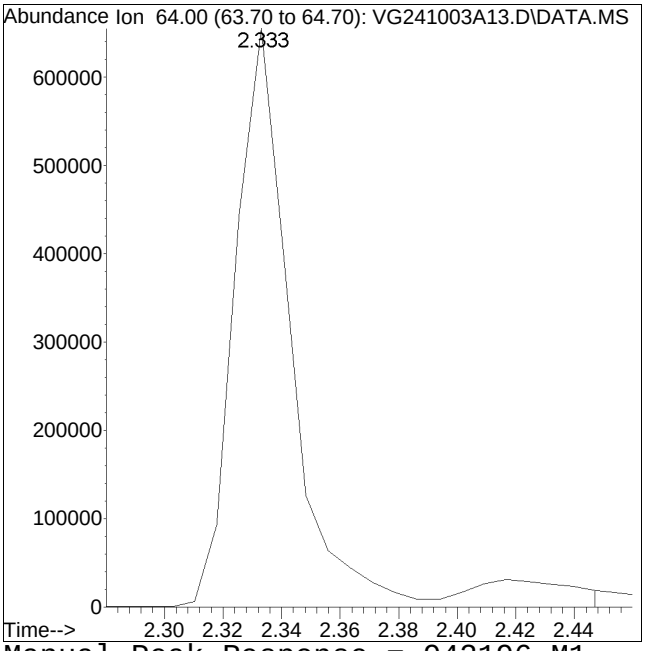


Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A13.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 8:54 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 10/4/2024 9:08 am

Compound #6: Chloroethane



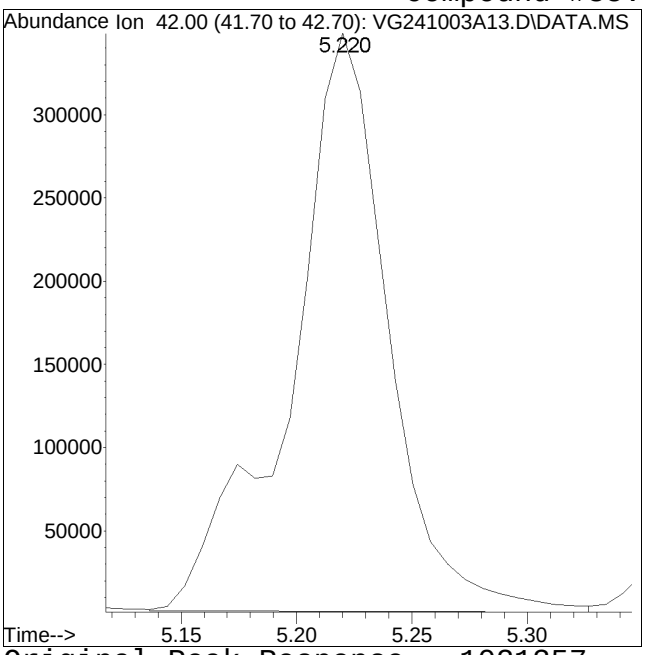


Original Peak Response = 861831 Manual Peak Response = 942196 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

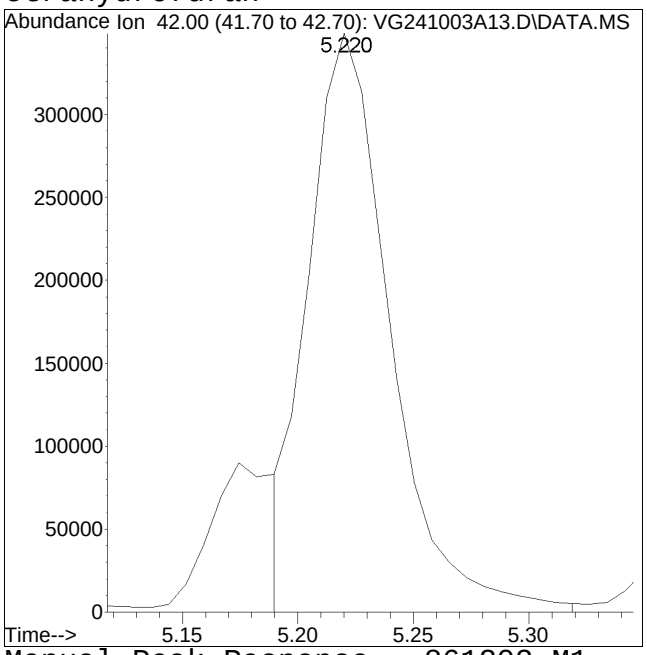
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A13.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 8:54 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 10/4/2024 9:08 am

Compound #35: Tetrahydrofuran



Original Peak Response = 1021357



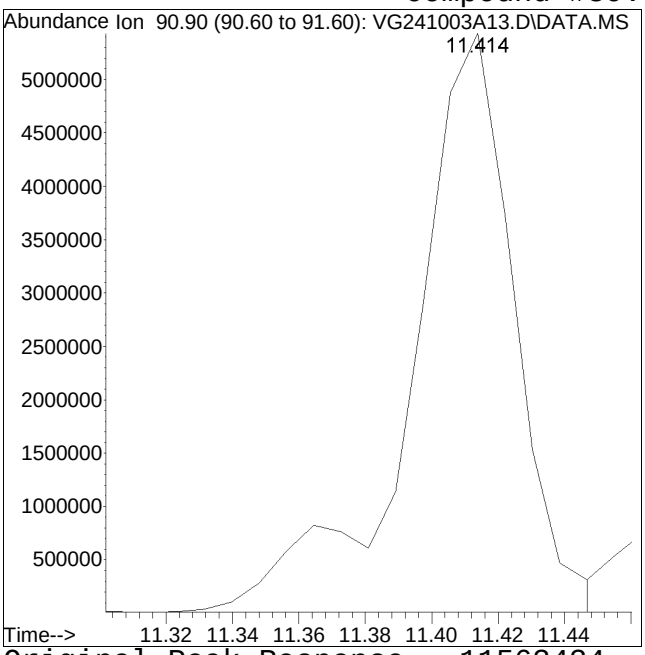
Manual Peak Response = 861202 M1

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

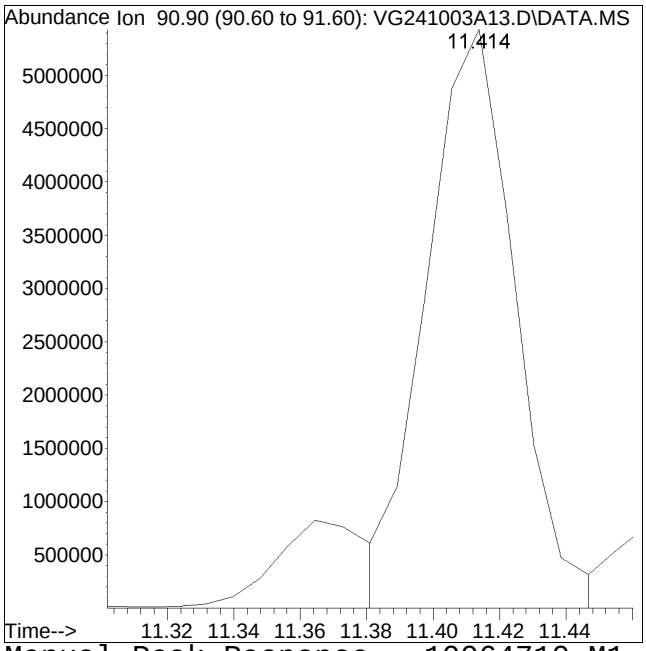
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A13.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 8:54 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 10/4/2024 9:08 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 11563434



Manual Peak Response = 10064710 M1

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

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A18.D
Acq On : 3 Oct 2024 10:54 am
Operator : GONZO:MKS
Sample : C8260STD10PPB
Misc : WG1980167
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 04 09:30:28 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 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)
1	I	Fluorobenzene	1.000	1.000	0.0	98	0.00
2	TP	Dichlorodifluoromethane	0.212	0.182	14.2	77	0.00
3	TP	Chloromethane	0.230	0.251	-9.1	105	0.00
4	TP	Vinyl chloride	0.230	0.243	-5.7	96	0.00
5	TP	Bromomethane	0.132	0.140	-6.1	112	0.00
6	TP	Chloroethane	* 10.000	10.503	-5.0	93	0.00
7	TP	Trichlorofluoromethane	0.306	0.330	-7.8	98	0.00
8	TP	Ethyl ether	0.111	0.111	0.0	98	0.00
10	TP	1,1-Dichloroethene	0.176	0.183	-4.0	100	0.00
11	TP	Carbon disulfide	0.536	0.496	7.5	91	0.00
12	TP	Freon-113	0.179	0.196	-9.5	98	0.00
13	TP	Iodomethane	0.307	0.228	25.7#	74	0.00
14	TP	Acrolein	0.031	0.025	19.4	86	0.00
15	TP	Methylene chloride	0.212	0.214	-0.9	101	0.00
17	TP	Acetone	0.055	0.052	5.5	103	0.00
18	TP	trans-1,2-Dichloroethene	0.191	0.205	-7.3	103	0.00
19	TP	Methyl acetate	0.124	0.122	1.6	102	0.00
20	TP	Methyl tert-butyl ether	0.646	0.588	9.0	92	0.00
21	TP	tert-Butyl alcohol	0.020	0.018	10.0	96	0.00
22	TP	Diisopropyl ether	0.727	0.776	-6.7	105	0.00
23	TP	1,1-Dichloroethane	0.370	0.393	-6.2	101	0.00
24	TP	Halothane	0.152	0.167	-9.9	104	0.00
25	TP	Acrylonitrile	0.068	0.060	11.8	92	0.00
26	TP	Ethyl tert-butyl ether	0.681	0.687	-0.9	103	0.00
27	TP	Vinyl acetate	0.519	0.456	12.1	84	0.00
28	TP	cis-1,2-Dichloroethene	0.221	0.225	-1.8	98	0.00
29	TP	2,2-Dichloropropane	0.246	0.228	7.3	90	0.00
30	TP	Bromochloromethane	0.101	0.104	-3.0	99	0.00
31	TP	Cyclohexane	0.359	0.381	-6.1	98	0.00
32	TP	Chloroform	0.358	0.377	-5.3	102	0.00
33	TP	Ethyl acetate	0.197	0.197	0.0	104	0.00
34	TP	Carbon tetrachloride	0.273	0.290	-6.2	99	0.00
35	TP	Tetrahydrofuran	0.064	0.059	7.8	96	0.00
36	S	Dibromofluoromethane	0.249	0.248	0.4	97	0.00
37	TP	1,1,1-Trichloroethane	0.316	0.342	-8.2	102	0.00
39	TP	2-Butanone	0.084	0.081	3.6	103	0.00
40	TP	1,1-Dichloropropene	0.265	0.286	-7.9	99	0.00
41	TP	Benzene	0.825	0.865	-4.8	99	0.00
42	TP	tert-Amyl methyl ether	0.598	0.607	-1.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A18.D
Acq On : 3 Oct 2024 10:54 am
Operator : GONZO:MKS
Sample : C8260STD10PPB
Misc : WG1980167
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 04 09:30:28 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 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)
43	S	1,2-Dichloroethane-d4	0.287	0.296	-3.1	98	0.00
44	TP	1,2-Dichloroethane	0.279	0.288	-3.2	102	0.00
47	TP	Methyl cyclohexane	0.300	0.323	-7.7	97	0.00
48	TP	Trichloroethene	0.221	0.230	-4.1	104	0.00
50	TP	Dibromomethane	0.126	0.126	0.0	100	0.00
51	TP	1,2-Dichloropropane	0.214	0.225	-5.1	103	0.00
53	TP	2-Chloroethyl vinyl ether	0.129	0.116	10.1	90	0.00
54	TP	Bromodichloromethane	0.289	0.286#	1.0	96	0.00
57	TP	1,4-Dioxane	0.00215	0.00219#	-1.9	105	0.00
58	TP	cis-1,3-Dichloropropene	0.327	0.341	-4.3	101	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
60	S	Toluene-d8	1.323	1.315	0.6	99	0.00
61	TP	Toluene	0.696	0.743	-6.8	102	0.00
62	TP	4-Methyl-2-pentanone	0.097	0.093	4.1	100	0.00
63	TP	Tetrachloroethene	0.301	0.320	-6.3	100	0.00
65	TP	trans-1,3-Dichloropropene	0.406	0.416	-2.5	104	0.00
67	TP	Ethyl methacrylate	0.360	0.356	1.1	100	0.00
68	TP	1,1,2-Trichloroethane	0.212	0.205	3.3	99	0.00
69	TP	Chlorodibromomethane	0.293	0.295	-0.7	99	0.00
70	TP	1,3-Dichloropropane	0.420	0.427	-1.7	100	0.00
71	TP	1,2-Dibromoethane	0.250	0.253	-1.2	99	0.00
72	TP	2-Hexanone	0.174	0.167	4.0	101	0.00
73	TP	Chlorobenzene	0.748	0.810	-8.3	104	0.00
74	TP	Ethylbenzene	1.337	1.346	-0.7	99	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.287	0.285	0.7	97	0.00
76	TP	p/m Xylene	0.509	0.517	-1.6	98	0.00
77	TP	o Xylene	0.493	0.501	-1.6	97	0.00
78	TP	Styrene	0.839	0.889	-6.0	101	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
80	TP	Bromoform	0.359	0.360	-0.3	102	0.00
82	TP	Isopropylbenzene	2.211	2.031	8.1	87	0.00
83	S	4-Bromofluorobenzene	0.876	0.877	-0.1	99	0.00
84	TP	Bromobenzene	0.598	0.619	-3.5	97	0.00
85	TP	n-Propylbenzene	2.574	2.653	-3.1	99	0.00
86	TP	1,4-Dichlorobutane	0.870	0.857	1.5	100	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.560	0.537	4.1	95	0.00
88	TP	4-Ethyltoluene	2.108	2.372	-12.5	107	0.00

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A18.D
Acq On : 3 Oct 2024 10:54 am
Operator : GONZO:MKS
Sample : C8260STD10PPB
Misc : WG1980167
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 04 09:30:28 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 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)
89 TP	2-Chlorotoluene	1.570	1.583	-0.8	99	0.00
90 TP	1,3,5-Trimethylbenzene	1.866	1.869	-0.2	96	0.00
91 TP	1,2,3-Trichloropropane	0.457	0.416	9.0	92	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.184	0.164	10.9	92	0.00
93 TP	4-Chlorotoluene	1.653	1.711	-3.5	99	0.00
94 TP	tert-Butylbenzene	1.472	1.532	-4.1	97	0.00
97 TP	1,2,4-Trimethylbenzene	1.821	1.864	-2.4	99	0.00
98 TP	sec-Butylbenzene	2.123	2.193	-3.3	97	0.00
99 TP	p-Isopropyltoluene	1.801	1.851	-2.8	97	0.00
100 TP	1,3-Dichlorobenzene	1.090	1.176	-7.9	105	0.00
101 TP	1,4-Dichlorobenzene	1.132	1.186	-4.8	102	0.00
102 TP	p-Diethylbenzene	1.010	1.070	-5.9	101	0.00
103 TP	n-Butylbenzene	1.450	1.507	-3.9	99	0.00
104 TP	1,2-Dichlorobenzene	1.051	1.161	-10.5	104	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.421	1.478	-4.0	103	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.093	0.090	3.2	100	0.00
107 TP	1,3,5-Trichlorobenzene	0.661	0.695	-5.1	100	0.00
108 TP	Hexachlorobutadiene	0.212	0.227	-7.1	104	0.00
109 TP	1,2,4-Trichlorobenzene	0.561	0.590	-5.2	99	0.00
110 TP	Naphthalene	1.188	1.153	2.9	98	0.00
111 TP	1,2,3-Trichlorobenzene	0.469	0.479	-2.1	97	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:\Gonzo\2024\241003AICAL\
Data File : VG241003A18.D
Acq On : 3 Oct 2024 10:54 am
Operator : GONZO:MKS
Sample : C8260STD10PPB
Misc : WG1980167
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 04 09:30:28 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	604933	10.000	ug/L	0.00
Standard Area 1 = 615193			Recovery =	98.33%		
59) Chlorobenzene-d5	9.604	117	442370	10.000	ug/L	0.00
Standard Area 1 = 451007			Recovery =	98.08%		
79) 1,4-Dichlorobenzene-d4	12.294	152	248318	10.000	ug/L	0.00
Standard Area 1 = 256709			Recovery =	96.73%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.258	113	150056	9.947	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.47%		
43) 1,2-Dichloroethane-d4	5.782	65	178828	10.289	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.89%		
60) Toluene-d8	7.750	98	581642	9.942	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.42%		
83) 4-Bromofluorobenzene	11.085	95	217834	10.009	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.09%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.657	85	109961	8.556	ug/L	98
3) Chloromethane	1.862	50	152129	10.918	ug/L	99
4) Vinyl chloride	1.923	62	146903	10.578	ug/L	100
5) Bromomethane	2.242	94	84878	10.602	ug/L	99
6) Chloroethane	2.333	64	82174M1	10.503	ug/L	
7) Trichlorofluoromethane	2.493	101	199378M1	10.769	ug/L	
8) Ethyl ether	2.797	74	67210	9.972	ug/L	83
10) 1,1-Dichloroethene	2.994	96	110852	10.392	ug/L	90
11) Carbon disulfide	3.024	76	300198	9.264	ug/L	99
12) Freon-113	3.024	101	118866	10.953	ug/L	91
13) Iodomethane	3.131	142	138015	7.432	ug/L	98
14) Acrolein	3.321	56	15142	8.038	ug/L	88
15) Methylene chloride	3.556	84	129363	10.087	ug/L	87
17) Acetone	3.602	43	31748	9.578	ug/L	92
18) trans-1,2-Dichloroethene	3.701	96	124230	10.744	ug/L	93
19) Methyl acetate	3.716	43	73559	9.770	ug/L	94
20) Methyl tert-butyl ether	3.792	73	355608	9.094	ug/L	93
21) tert-Butyl alcohol	3.891	59	55463	45.375	ug/L	97
22) Diisopropyl ether	4.149	45	469536	10.671	ug/L	96
23) 1,1-Dichloroethane	4.286	63	237481	10.604	ug/L	99
24) Halothane	4.339	117	100874	10.955	ug/L	99

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A18.D
Acq On : 3 Oct 2024 10:54 am
Operator : GONZO:MKS
Sample : C8260STD10PPB
Misc : WG1980167
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 04 09:30:28 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.346	53	36451	8.815	ug/L		94
26) Ethyl tert-butyl ether	4.498	59	415861	10.090	ug/L		94
27) Vinyl acetate	4.521	43	275775	8.786	ug/L		99
28) cis-1,2-Dichloroethene	4.810	96	136383	10.189	ug/L		96
29) 2,2-Dichloropropane	4.909	77	138140	9.279	ug/L		100
30) Bromochloromethane	5.000	128	62703	10.295	ug/L	#	85
31) Cyclohexane	5.000	56	230474	10.622	ug/L		85
32) Chloroform	5.076	83	228198	10.525	ug/L		97
33) Ethyl acetate	5.182	43	119186	9.980	ug/L		96
34) Carbon tetrachloride	5.205	117	175338	10.608	ug/L		96
35) Tetrahydrofuran	5.228	42	35864M1	9.269	ug/L		
37) 1,1,1-Trichloroethane	5.273	97	207017	10.825	ug/L		97
39) 2-Butanone	5.372	43	49095	9.712	ug/L	#	80
40) 1,1-Dichloropropene	5.395	75	172916	10.776	ug/L		99
41) Benzene	5.638	78	523398	10.490	ug/L		95
42) tert-Amyl methyl ether	5.737	73	367015	10.137	ug/L		99
44) 1,2-Dichloroethane	5.851	62	174093	10.302	ug/L		99
47) Methyl cyclohexane	6.223	83	195472	10.775	ug/L		84
48) Trichloroethene	6.238	95	139107	10.387	ug/L		97
50) Dibromomethane	6.686	93	76042	9.976	ug/L		99
51) 1,2-Dichloropropane	6.785	63	136374	10.537	ug/L		98
53) 2-Chloroethyl vinyl ether	7.478	63	70214	8.989	ug/L		94
54) Bromodichloromethane	6.861	83	173268	9.923	ug/L		100
57) 1,4-Dioxane	7.070	88	66100	508.108	ug/L		87
58) cis-1,3-Dichloropropene	7.550	75	206018	10.414	ug/L		93
61) Toluene	7.808	92	328605	10.674	ug/L		98
62) 4-Methyl-2-pentanone	8.245	58	41148	9.543	ug/L		93
63) Tetrachloroethene	8.259	166	141619	10.635	ug/L		99
65) trans-1,3-Dichloropropene	8.302	75	183952	10.250	ug/L		99
67) Ethyl methacrylate	8.481	69	157656	9.899	ug/L		96
68) 1,1,2-Trichloroethane	8.488	83	90893	9.707	ug/L		99
69) Chlorodibromomethane	8.703	129	130394	10.067	ug/L		99
70) 1,3-Dichloropropane	8.811	76	188756	10.153	ug/L		100
71) 1,2-Dibromoethane	8.975	107	111706	10.081	ug/L		100
72) 2-Hexanone	9.262	43	73892	9.579	ug/L		97
73) Chlorobenzene	9.621	112	358355	10.834	ug/L		98
74) Ethylbenzene	9.653	91	595448	10.065	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.703	131	126262	9.959	ug/L		99
76) p/m Xylene	9.843	106	457652	20.334	ug/L		97
77) o Xylene	10.377	106	443311	20.338	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A18.D
Acq On : 3 Oct 2024 10:54 am
Operator : GONZO:MKS
Sample : C8260STD10PPB
Misc : WG1980167
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 04 09:30:28 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241003AICAL\VG241003A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.451	104	786306	21.196	ug/L		98
80) Bromoform	10.484	173	89453	10.022	ug/L		99
82) Isopropylbenzene	10.756	105	504332	9.187	ug/L		99
84) Bromobenzene	11.200	156	153824	10.353	ug/L		99
85) n-Propylbenzene	11.233	91	658907	10.308	ug/L		98
86) 1,4-Dichlorobutane	11.266	55	212757	9.845	ug/L		100
87) 1,1,2,2-Tetrachloroethane	11.332	83	133306	9.593	ug/L		97
88) 4-Ethyltoluene	11.365	105	589019	11.255	ug/L		98
89) 2-Chlorotoluene	11.406	91	393088M1	10.083	ug/L		
90) 1,3,5-Trimethylbenzene	11.463	105	464033	10.013	ug/L		99
91) 1,2,3-Trichloropropane	11.471	75	103199	9.092	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.521	53	40698	8.890	ug/L	#	95
93) 4-Chlorotoluene	11.595	91	424904	10.354	ug/L		99
94) tert-Butylbenzene	11.801	119	380423	10.408	ug/L		95
97) 1,2,4-Trimethylbenzene	11.875	105	462965	10.239	ug/L		99
98) sec-Butylbenzene	11.990	105	544546	10.329	ug/L		100
99) p-Isopropyltoluene	12.138	119	459676	10.281	ug/L		98
100) 1,3-Dichlorobenzene	12.212	146	292050	10.790	ug/L		100
101) 1,4-Dichlorobenzene	12.311	146	294399	10.472	ug/L		99
102) p-Diethylbenzene	12.516	119	265812	10.597	ug/L		98
103) n-Butylbenzene	12.574	91	374313	10.397	ug/L		100
104) 1,2-Dichlorobenzene	12.730	146	288355	11.050	ug/L		98
105) 1,2,4,5-Tetramethylben...	13.306	119	367027	10.404	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.512	155	22336	9.648	ug/L		96
107) 1,3,5-Trichlorobenzene	13.536	180	172530	10.508	ug/L		98
108) Hexachlorobutadiene	14.104	225	56393	10.696	ug/L		98
109) 1,2,4-Trichlorobenzene	14.137	180	146480	10.513	ug/L		97
110) Naphthalene	14.425	128	286374	9.704	ug/L		100
111) 1,2,3-Trichlorobenzene	14.597	180	118940	10.204	ug/L		99

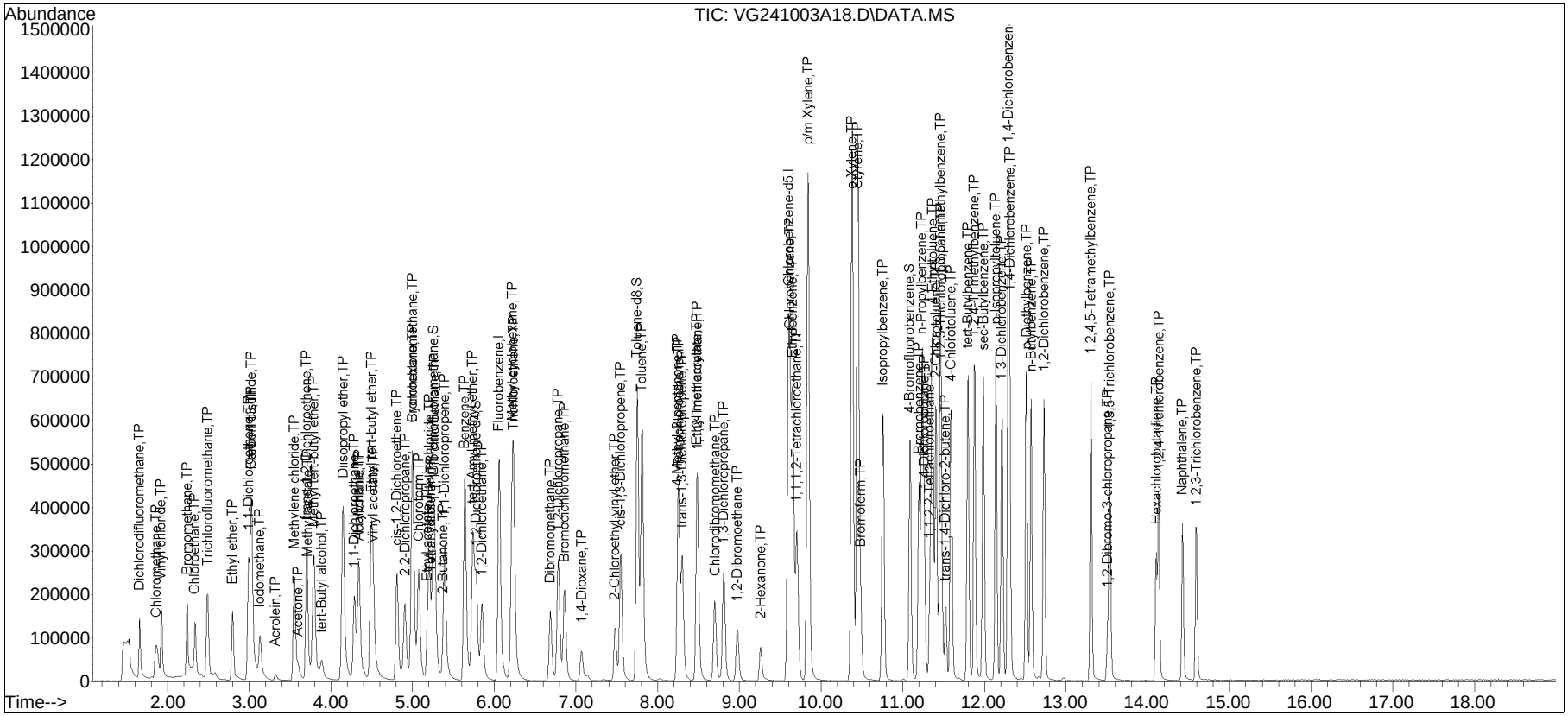
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241003AICAL\
Data File : VG241003A18.D
Acq On : 3 Oct 2024 10:54 am
Operator : GONZO:MKS
Sample : C8260STD10PPB
Misc : WG1980167
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 04 09:30:28 2024
Quant Method : K:\Gonzo\2024\241003AICAL\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

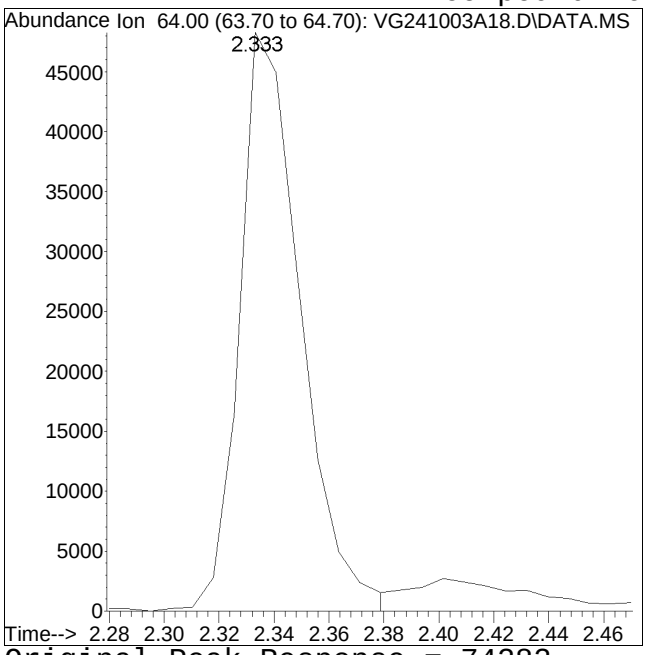
Sub List : 8260-Curve - Megamix plus DioxVG241003A09.D•

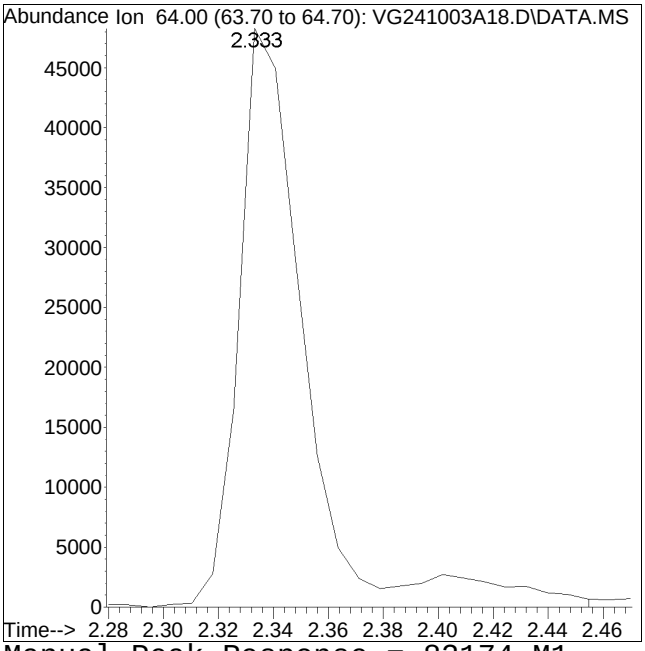


Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A18.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 10:54 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 10/4/2024 9:30 am

Compound #6: Chloroethane



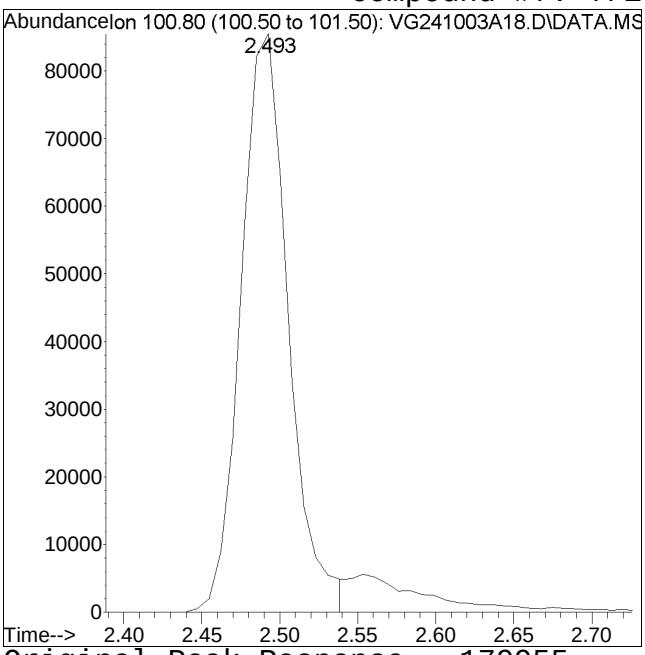


Original Peak Response = 74282 Manual Peak Response = 82174 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

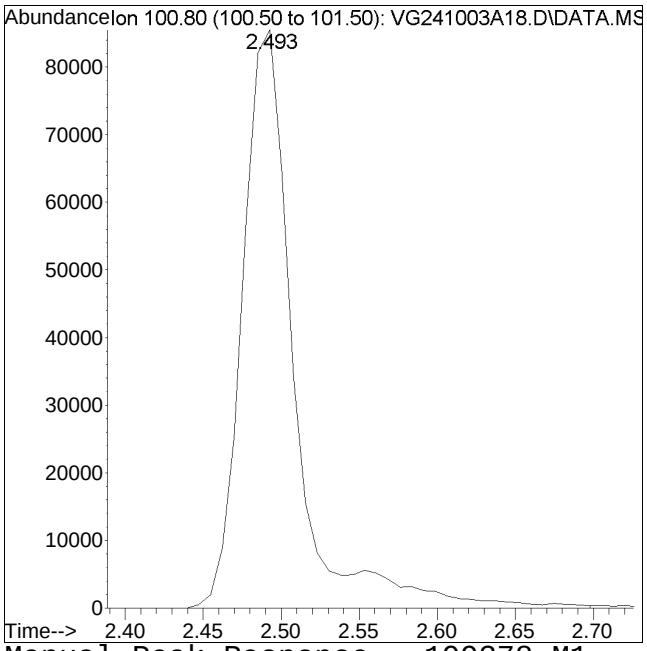
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A18.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 10:54 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 10/4/2024 9:30 am

Compound #7: Trichlorofluoromethane



Original Peak Response = 179955



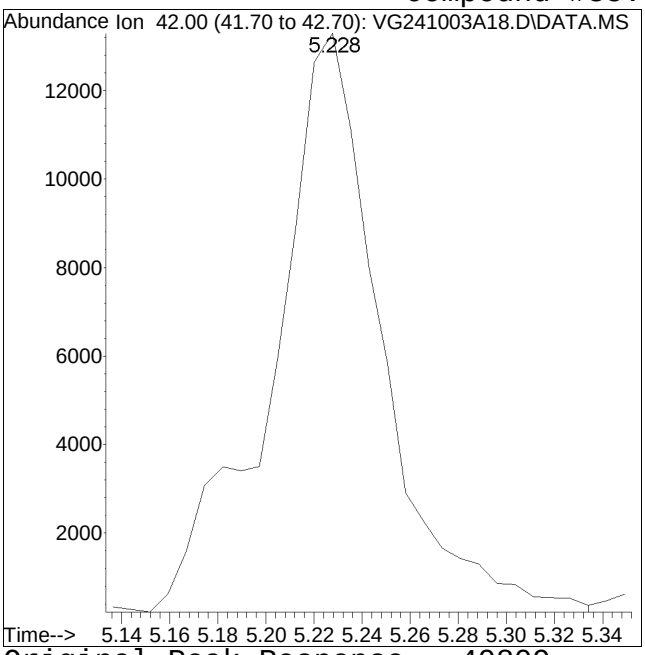
Manual Peak Response = 199378 M1

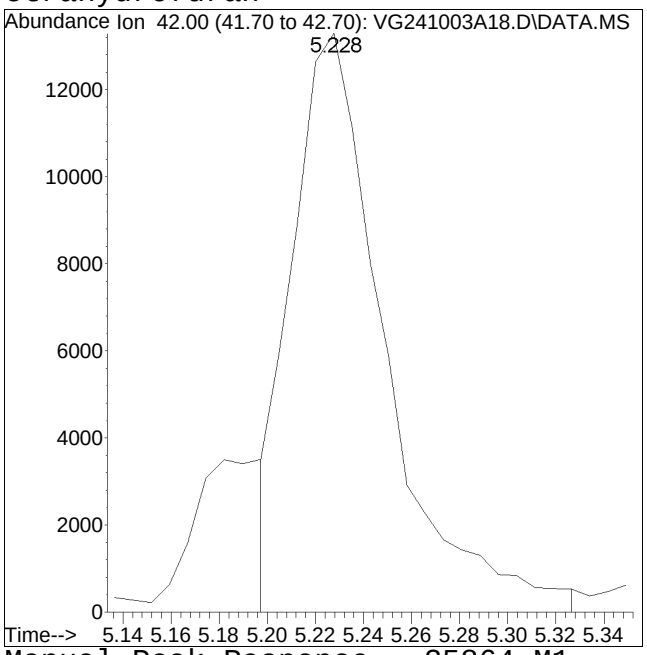
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A18.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 10:54 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 10/4/2024 9:30 am

Compound #35: Tetrahydrofuran





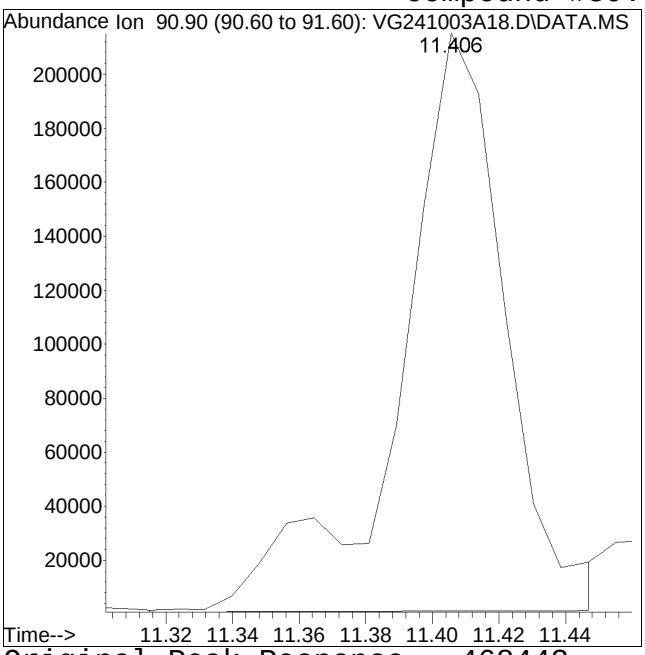
Original Peak Response = 40809 Manual Peak Response = 35864 M1

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

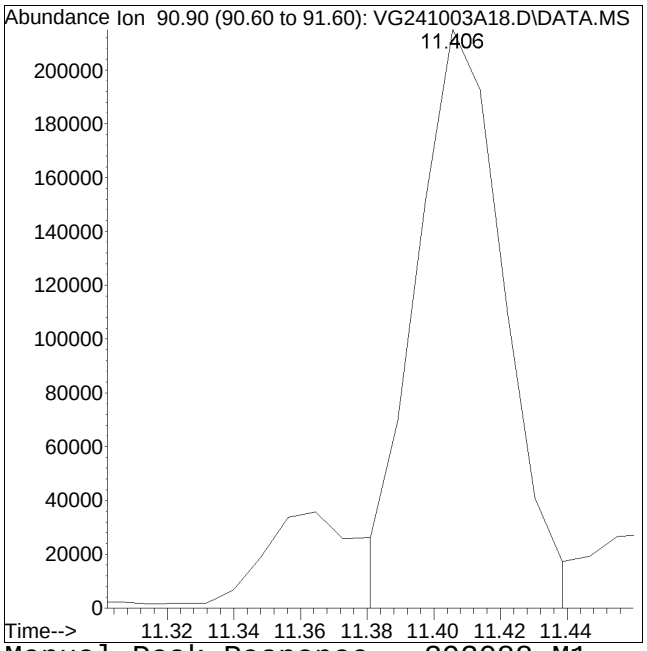
Manual Integration Report

Data Path : K:\Gonzo\2024\241003AICAL\QMethod : G_241003A_8260.m
Data File : VG241003A18.D Operator : GONZO:MKS
Date Inj'd : 10/3/2024 10:54 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 10/4/2024 9:30 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 468443



Manual Peak Response = 393088 M1

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

Evaluate Relative Error Report Gonzo

Method Path : K:\Gonzo\2024\241003AICAL\
Method File : G_241003A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Oct 04 09:30:18 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
6	TP Chloroethane	Q	ug/L	10.0	11.148	11.5	0.50	0.394	-21.2

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
6	TP Chloroethane	Quadratic	0.990498	-0.003365	0.13165	0.00127391

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: GONZO	**Calibration Date**	: 12/06/24 08:22		
Lab File ID	: VG241206A02	**Init. Calib. Date(s)**	: 10/03/24	10/03/24	
Sample No	: WG2006732-2	**Init. Calib. Times**	: 04:54	08:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	104	0
Dichlorodifluoromethane	0.212	0.162	-	23.6*	20	73	0
Chloromethane	0.23	0.21	-	8.7	20	93	0
Vinyl chloride	0.23	0.188	-	18.3	20	78	0
Bromomethane	0.132	0.049	-	62.9*	20	41	0
Chloroethane	10	7.006	-	29.9*	20	67	0
Trichlorofluoromethane	0.306	0.221	-	27.8*	20	70	0
Ethyl ether	0.111	0.092	-	17.1	20	86	0
1,1-Dichloroethene	0.176	0.157	-	10.8	20	91	0
Carbon disulfide	0.536	0.485	-	9.5	20	94	0
Freon-113	0.179	0.15	-	16.2	20	79	0
Acrolein	0.031	0.032	-	-3.2	20	117	0
Methylene chloride	0.212	0.189	-	10.8	20	95	0
Acetone	0.055	0.044	-	20	20	93	0
trans-1,2-Dichloroethene	0.191	0.18	-	5.8	20	96	0
Methyl acetate	0.124	0.109	-	12.1	20	97	0
Methyl tert-butyl ether	0.646	0.492	-	23.8*	20	82	0
tert-Butyl alcohol	0.02	0.016	-	20	20	87	0
Diisopropyl ether	0.727	0.758	-	-4.3	20	109	0
1,1-Dichloroethane	0.37	0.368	-	0.5	20	100	-.02
Halothane	0.152	0.143	-	5.9	20	94	0
Acrylonitrile	0.068	0.06	-	11.8	20	98	0
Ethyl tert-butyl ether	0.681	0.641	-	5.9	20	102	0
Vinyl acetate	0.519	0.465	-	10.4	20	92	0
cis-1,2-Dichloroethene	0.221	0.21	-	5	20	97	0
2,2-Dichloropropane	0.246	0.267	-	-8.5	20	111	0
Bromochloromethane	0.101	0.097*	-	4	20	99	0
Cyclohexane	0.359	0.339	-	5.6	20	93	0
Chloroform	0.358	0.324	-	9.5	20	93	0
Ethyl acetate	0.197	0.179	-	9.1	20	100	0
Carbon tetrachloride	0.273	0.251	-	8.1	20	91	0
Tetrahydrofuran	0.064	0.059	-	7.8	20	101	0
Dibromofluoromethane	0.249	0.246	-	1.2	20	102	0
1,1,1-Trichloroethane	0.316	0.284	-	10.1	20	90	0
2-Butanone	0.084	0.09	-	-7.1	20	122	0
1,1-Dichloropropene	0.265	0.244	-	7.9	20	90	0
Benzene	0.825	0.794	-	3.8	20	97	0
tert-Amyl methyl ether	0.598	0.507	-	15.2	20	89	0
1,2-Dichloroethane-d4	0.287	0.279	-	2.8	20	98	0
1,2-Dichloroethane	0.279	0.25	-	10.4	20	94	0
Methyl cyclohexane	0.3	0.26	-	13.3	20	83	-.02
Trichloroethene	0.221	0.199*	-	10	20	95	0
Dibromomethane	0.126	0.112	-	11.1	20	95	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	Lab Number	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504		
Instrument ID	: GONZO	Calibration Date	: 12/06/24 08:22		
Lab File ID	: VG241206A02	Init. Calib. Date(s)	: 10/03/24	10/03/24	
Sample No	: WG2006732-2	Init. Calib. Times	: 04:54	08:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.214	0.217	-	-1.4	20	105	0
Bromodichloromethane	0.289	0.254*	-	12.1	20	90	0
1,4-Dioxane	0.00215	0.00162*	-	24.7*	20	83	0
cis-1,3-Dichloropropene	0.327	0.312	-	4.6	20	98	0
Chlorobenzene-d5	1	1	-	0	20	109	0
Toluene-d8	1.323	1.289	-	2.6	20	107	0
Toluene	0.696	0.649	-	6.8	20	99	0
4-Methyl-2-pentanone	0.097	0.082	-	15.5	20	97	-.01
Tetrachloroethene	0.301	0.289	-	4	20	100	0
trans-1,3-Dichloropropene	0.406	0.352	-	13.3	20	97	0
Ethyl methacrylate	0.36	0.262	-	27.2*	20	81	0
1,1,2-Trichloroethane	0.212	0.173*	-	18.4	20	93	0
Chlorodibromomethane	0.293	0.261	-	10.9	20	97	-.01
1,3-Dichloropropane	0.42	0.37	-	11.9	20	96	0
1,2-Dibromoethane	0.25	0.21	-	16	20	91	0
2-Hexanone	0.174	0.144	-	17.2	20	97	0
Chlorobenzene	0.748	0.731	-	2.3	20	104	0
Ethylbenzene	1.337	1.205	-	9.9	20	98	0
1,1,1,2-Tetrachloroethane	0.287	0.251	-	12.5	20	95	0
p/m Xylene	0.509	0.464	-	8.8	20	97	0
o Xylene	0.493	0.455	-	7.7	20	98	-.02
Styrene	0.839	0.759	-	9.5	20	96	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
Bromoform	0.359	0.315	-	12.3	20	97	0
Isopropylbenzene	2.211	2.003	-	9.4	20	94	0
4-Bromofluorobenzene	0.876	0.852	-	2.7	20	105	0
Bromobenzene	0.598	0.612	-	-2.3	20	105	0
n-Propylbenzene	2.574	2.348	-	8.8	20	95	0
1,4-Dichlorobutane	0.87	0.721	-	17.1	20	92	0
1,1,2,2-Tetrachloroethane	0.56	0.479	-	14.5	20	93	0
4-Ethyltoluene	2.108	1.939	-	8	20	96	0
2-Chlorotoluene	1.57	1.487	-	5.3	20	101	0
1,3,5-Trimethylbenzene	1.866	1.695	-	9.2	20	95	0
1,2,3-Trichloropropane	0.457	0.377	-	17.5	20	91	0
trans-1,4-Dichloro-2-buten	0.184	0.126	-	31.5*	20	77	0
4-Chlorotoluene	1.653	1.538	-	7	20	97	0
tert-Butylbenzene	1.472	1.409	-	4.3	20	98	0
1,2,4-Trimethylbenzene	1.821	1.649	-	9.4	20	96	0
sec-Butylbenzene	2.123	1.873	-	11.8	20	90	0
p-Isopropyltoluene	1.801	1.692	-	6.1	20	97	0
1,3-Dichlorobenzene	1.09	1.065	-	2.3	20	104	0
1,4-Dichlorobenzene	1.132	1.096	-	3.2	20	103	0
p-Diethylbenzene	1.01	0.946	-	6.3	20	98	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: GONZO	**Calibration Date**	: 12/06/24 08:22		
Lab File ID	: VG241206A02	**Init. Calib. Date(s)**	: 10/03/24	10/03/24	
Sample No	: WG2006732-2	**Init. Calib. Times**	: 04:54	08:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.45	1.236	-	14.8	20	89	0
1,2-Dichlorobenzene	1.051	1.021	-	2.9	20	100	0
1,2,4,5-Tetramethylbenzene	1.421	1.386	-	2.5	20	105	0
1,2-Dibromo-3-chloropropan	0.093	0.077	-	17.2	20	94	0
1,3,5-Trichlorobenzene	0.661	0.691	-	-4.5	20	109	0
Hexachlorobutadiene	0.212	0.228	-	-7.5	20	115	0
1,2,4-Trichlorobenzene	0.561	0.573	-	-2.1	20	105	0
Naphthalene	1.188	1.013	-	14.7	20	94	0
1,2,3-Trichlorobenzene	0.469	0.44	-	6.2	20	98	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: GONZO	**Calibration Date**	: 12/07/24 12:43		
Lab File ID	: VG241207A02	**Init. Calib. Date(s)**	: 10/03/24	10/03/24	
Sample No	: WG2006732-9	**Init. Calib. Times**	: 04:54	08:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	76	0
Dichlorodifluoromethane	0.212	0.181	-	14.6	20	59	0
Chloromethane	0.23	0.21	-	8.7	20	68	0
Vinyl chloride	0.23	0.18	-	21.7*	20	55	0
Bromomethane	0.132	0.041	-	68.9*	20	25	0
Chloroethane	10	6.26	-	37.4*	20	44	0
Trichlorofluoromethane	0.306	0.275	-	10.1	20	63	0
Ethyl ether	0.111	0.081	-	27*	20	55	0
1,1-Dichloroethene	0.176	0.16	-	9.1	20	68	0
Carbon disulfide	0.536	0.489	-	8.8	20	69	0
Freon-113	0.179	0.165	-	7.8	20	64	0
Acrolein	0.031	0.035	-	-12.9	20	94	0
Methylene chloride	0.212	0.186	-	12.3	20	68	0
Acetone	0.055	0.049	-	10.9	20	75	0
trans-1,2-Dichloroethene	0.191	0.18	-	5.8	20	70	-.02
Methyl acetate	0.124	0.116	-	6.5	20	76	0
Methyl tert-butyl ether	0.646	0.497	-	23.1*	20	60	0
tert-Butyl alcohol	0.02	0.017	-	15	20	70	0
Diisopropyl ether	0.727	0.756	-	-4	20	79	0
1,1-Dichloroethane	0.37	0.37	-	0	20	74	-.02
Halothane	0.152	0.143	-	5.9	20	69	0
Acrylonitrile	0.068	0.06	-	11.8	20	71	0
Ethyl tert-butyl ether	0.681	0.634	-	6.9	20	74	0
Vinyl acetate	0.519	0.465	-	10.4	20	67	0
cis-1,2-Dichloroethene	0.221	0.198*	-	10.4	20	66	0
2,2-Dichloropropane	0.246	0.28	-	-13.8	20	85	0
Bromochloromethane	0.101	0.095*	-	5.9	20	70	0
Cyclohexane	0.359	0.361	-	-0.6	20	72	0
Chloroform	0.358	0.331	-	7.5	20	69	0
Ethyl acetate	0.197	0.19	-	3.6	20	77	0
Carbon tetrachloride	0.273	0.272	-	0.4	20	72	0
Tetrahydrofuran	0.064	0.06	-	6.3	20	76	0
Dibromofluoromethane	0.249	0.253	-	-1.6	20	77	-.02
1,1,1-Trichloroethane	0.316	0.3	-	5.1	20	69	-.01
2-Butanone	0.084	0.083	-	1.2	20	81	0
1,1-Dichloropropene	0.265	0.252	-	4.9	20	67	0
Benzene	0.825	0.777	-	5.8	20	69	0
tert-Amyl methyl ether	0.598	0.492	-	17.7	20	63	0
1,2-Dichloroethane-d4	0.287	0.305	-	-6.3	20	78	0
1,2-Dichloroethane	0.279	0.266	-	4.7	20	73	0
Methyl cyclohexane	0.3	0.265	-	11.7	20	61	-.02
Trichloroethene	0.221	0.206	-	6.8	20	72	0
Dibromomethane	0.126	0.112	-	11.1	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: GONZO	**Calibration Date**	: 12/07/24 12:43		
Lab File ID	: VG241207A02	**Init. Calib. Date(s)**	: 10/03/24	10/03/24	
Sample No	: WG2006732-9	**Init. Calib. Times**	: 04:54	08:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.214	0.21	-	1.9	20	74	0
Bromodichloromethane	0.289	0.258*	-	10.7	20	67	0
1,4-Dioxane	0.00215	0.00174*	-	19.1	20	64	0
cis-1,3-Dichloropropene	0.327	0.305	-	6.7	20	70	0
Chlorobenzene-d5	1	1	-	0	20	80	0
Toluene-d8	1.323	1.276	-	3.6	20	78	0
Toluene	0.696	0.64	-	8	20	72	0
4-Methyl-2-pentanone	0.097	0.08	-	17.5	20	71	-.01
Tetrachloroethene	0.301	0.297	-	1.3	20	76	-.01
trans-1,3-Dichloropropene	0.406	0.342	-	15.8	20	70	0
Ethyl methacrylate	0.36	0.252	-	30*	20	58	0
1,1,2-Trichloroethane	0.212	0.171*	-	19.3	20	68	0
Chlorodibromomethane	0.293	0.261	-	10.9	20	72	-.01
1,3-Dichloropropane	0.42	0.357	-	15	20	69	0
1,2-Dibromoethane	0.25	0.21	-	16	20	67	0
2-Hexanone	0.174	0.154	-	11.5	20	77	0
Chlorobenzene	0.748	0.719	-	3.9	20	76	0
Ethylbenzene	1.337	1.209	-	9.6	20	73	0
1,1,1,2-Tetrachloroethane	0.287	0.256	-	10.8	20	72	0
p/m Xylene	0.509	0.472	-	7.3	20	73	0
o Xylene	0.493	0.455	-	7.7	20	72	-.02
Styrene	0.839	0.76	-	9.4	20	71	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	83	0
Bromoform	0.359	0.309	-	13.9	20	74	0
Isopropylbenzene	2.211	1.975	-	10.7	20	72	0
4-Bromofluorobenzene	0.876	0.821	-	6.3	20	79	0
Bromobenzene	0.598	0.598	-	0	20	80	0
n-Propylbenzene	2.574	2.314	-	10.1	20	73	0
1,4-Dichlorobutane	0.87	0.736	-	15.4	20	73	0
1,1,2,2-Tetrachloroethane	0.56	0.456	-	18.6	20	69	0
4-Ethyltoluene	2.108	1.902	-	9.8	20	74	0
2-Chlorotoluene	1.57	1.455	-	7.3	20	77	0
1,3,5-Trimethylbenzene	1.866	1.687	-	9.6	20	74	0
1,2,3-Trichloropropane	0.457	0.38	-	16.8	20	72	0
trans-1,4-Dichloro-2-buten	0.184	0.133	-	27.7*	20	64	-.02
4-Chlorotoluene	1.653	1.499	-	9.3	20	74	0
tert-Butylbenzene	1.472	1.393	-	5.4	20	76	0
1,2,4-Trimethylbenzene	1.821	1.613	-	11.4	20	73	0
sec-Butylbenzene	2.123	1.897	-	10.6	20	72	0
p-Isopropyltoluene	1.801	1.686	-	6.4	20	75	0
1,3-Dichlorobenzene	1.09	1.042	-	4.4	20	79	0
1,4-Dichlorobenzene	1.132	1.055	-	6.8	20	77	0
p-Diethylbenzene	1.01	0.936	-	7.3	20	76	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: GONZO	**Calibration Date**	: 12/07/24 12:43		
Lab File ID	: VG241207A02	**Init. Calib. Date(s)**	: 10/03/24	10/03/24	
Sample No	: WG2006732-9	**Init. Calib. Times**	: 04:54	08:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.45	1.276	-	12	20	71	0
1,2-Dichlorobenzene	1.051	0.982	-	6.6	20	75	0
1,2,4,5-Tetramethylbenzene	1.421	1.325	-	6.8	20	79	0
1,2-Dibromo-3-chloropropan	0.093	0.079	-	15.1	20	75	0
1,3,5-Trichlorobenzene	0.661	0.688	-	-4.1	20	85	0
Hexachlorobutadiene	0.212	0.23	-	-8.5	20	90	0
1,2,4-Trichlorobenzene	0.561	0.559	-	0.4	20	80	0
Naphthalene	1.188	0.996	-	16.2	20	72	0
1,2,3-Trichlorobenzene	0.469	0.445	-	5.1	20	77	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: GONZO	**Calibration Date**	: 12/07/24 12:43		
Lab File ID	: VG241207A02	**Init. Calib. Date(s)**	: 10/03/24	10/03/24	
Sample No	: WG2006760-2	**Init. Calib. Times**	: 04:54	08:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	76	0
Dichlorodifluoromethane	0.212	0.181	-	14.6	20	59	0
Chloromethane	0.23	0.21	-	8.7	20	68	0
Vinyl chloride	0.23	0.18	-	21.7*	20	55	0
Bromomethane	0.132	0.041	-	68.9*	20	25	0
Chloroethane	10	6.26	-	37.4*	20	44	0
Trichlorofluoromethane	0.306	0.275	-	10.1	20	63	0
Ethyl ether	0.111	0.081	-	27*	20	55	0
1,1-Dichloroethene	0.176	0.16	-	9.1	20	68	0
Carbon disulfide	0.536	0.489	-	8.8	20	69	0
Freon-113	0.179	0.165	-	7.8	20	64	0
Acrolein	0.031	0.035	-	-12.9	20	94	0
Methylene chloride	0.212	0.186	-	12.3	20	68	0
Acetone	0.055	0.049	-	10.9	20	75	0
trans-1,2-Dichloroethene	0.191	0.18	-	5.8	20	70	-.02
Methyl acetate	0.124	0.116	-	6.5	20	76	0
Methyl tert-butyl ether	0.646	0.497	-	23.1*	20	60	0
tert-Butyl alcohol	0.02	0.017	-	15	20	70	0
Diisopropyl ether	0.727	0.756	-	-4	20	79	0
1,1-Dichloroethane	0.37	0.37	-	0	20	74	-.02
Halothane	0.152	0.143	-	5.9	20	69	0
Acrylonitrile	0.068	0.06	-	11.8	20	71	0
Ethyl tert-butyl ether	0.681	0.634	-	6.9	20	74	0
Vinyl acetate	0.519	0.465	-	10.4	20	67	0
cis-1,2-Dichloroethene	0.221	0.198*	-	10.4	20	66	0
2,2-Dichloropropane	0.246	0.28	-	-13.8	20	85	0
Bromochloromethane	0.101	0.095*	-	5.9	20	70	0
Cyclohexane	0.359	0.361	-	-0.6	20	72	0
Chloroform	0.358	0.331	-	7.5	20	69	0
Ethyl acetate	0.197	0.19	-	3.6	20	77	0
Carbon tetrachloride	0.273	0.272	-	0.4	20	72	0
Tetrahydrofuran	0.064	0.06	-	6.3	20	76	0
Dibromofluoromethane	0.249	0.253	-	-1.6	20	77	-.02
1,1,1-Trichloroethane	0.316	0.3	-	5.1	20	69	-.01
2-Butanone	0.084	0.083	-	1.2	20	81	0
1,1-Dichloropropene	0.265	0.252	-	4.9	20	67	0
Benzene	0.825	0.777	-	5.8	20	69	0
tert-Amyl methyl ether	0.598	0.492	-	17.7	20	63	0
1,2-Dichloroethane-d4	0.287	0.305	-	-6.3	20	78	0
1,2-Dichloroethane	0.279	0.266	-	4.7	20	73	0
Methyl cyclohexane	0.3	0.265	-	11.7	20	61	-.02
Trichloroethene	0.221	0.206	-	6.8	20	72	0
Dibromomethane	0.126	0.112	-	11.1	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: GONZO	**Calibration Date**	: 12/07/24 12:43		
Lab File ID	: VG241207A02	**Init. Calib. Date(s)**	: 10/03/24	10/03/24	
Sample No	: WG2006760-2	**Init. Calib. Times**	: 04:54	08:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.214	0.21	-	1.9	20	74	0
Bromodichloromethane	0.289	0.258*	-	10.7	20	67	0
1,4-Dioxane	0.00215	0.00174*	-	19.1	20	64	0
cis-1,3-Dichloropropene	0.327	0.305	-	6.7	20	70	0
Chlorobenzene-d5	1	1	-	0	20	80	0
Toluene-d8	1.323	1.276	-	3.6	20	78	0
Toluene	0.696	0.64	-	8	20	72	0
4-Methyl-2-pentanone	0.097	0.08	-	17.5	20	71	-.01
Tetrachloroethene	0.301	0.297	-	1.3	20	76	-.01
trans-1,3-Dichloropropene	0.406	0.342	-	15.8	20	70	0
Ethyl methacrylate	0.36	0.252	-	30*	20	58	0
1,1,2-Trichloroethane	0.212	0.171*	-	19.3	20	68	0
Chlorodibromomethane	0.293	0.261	-	10.9	20	72	-.01
1,3-Dichloropropane	0.42	0.357	-	15	20	69	0
1,2-Dibromoethane	0.25	0.21	-	16	20	67	0
2-Hexanone	0.174	0.154	-	11.5	20	77	0
Chlorobenzene	0.748	0.719	-	3.9	20	76	0
Ethylbenzene	1.337	1.209	-	9.6	20	73	0
1,1,1,2-Tetrachloroethane	0.287	0.256	-	10.8	20	72	0
p/m Xylene	0.509	0.472	-	7.3	20	73	0
o Xylene	0.493	0.455	-	7.7	20	72	-.02
Styrene	0.839	0.76	-	9.4	20	71	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	83	0
Bromoform	0.359	0.309	-	13.9	20	74	0
Isopropylbenzene	2.211	1.975	-	10.7	20	72	0
4-Bromofluorobenzene	0.876	0.821	-	6.3	20	79	0
Bromobenzene	0.598	0.598	-	0	20	80	0
n-Propylbenzene	2.574	2.314	-	10.1	20	73	0
1,4-Dichlorobutane	0.87	0.736	-	15.4	20	73	0
1,1,2,2-Tetrachloroethane	0.56	0.456	-	18.6	20	69	0
4-Ethyltoluene	2.108	1.902	-	9.8	20	74	0
2-Chlorotoluene	1.57	1.455	-	7.3	20	77	0
1,3,5-Trimethylbenzene	1.866	1.687	-	9.6	20	74	0
1,2,3-Trichloropropane	0.457	0.38	-	16.8	20	72	0
trans-1,4-Dichloro-2-buten	0.184	0.133	-	27.7*	20	64	-.02
4-Chlorotoluene	1.653	1.499	-	9.3	20	74	0
tert-Butylbenzene	1.472	1.393	-	5.4	20	76	0
1,2,4-Trimethylbenzene	1.821	1.613	-	11.4	20	73	0
sec-Butylbenzene	2.123	1.897	-	10.6	20	72	0
p-Isopropyltoluene	1.801	1.686	-	6.4	20	75	0
1,3-Dichlorobenzene	1.09	1.042	-	4.4	20	79	0
1,4-Dichlorobenzene	1.132	1.055	-	6.8	20	77	0
p-Diethylbenzene	1.01	0.936	-	7.3	20	76	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: GONZO	**Calibration Date**	: 12/07/24 12:43		
Lab File ID	: VG241207A02	**Init. Calib. Date(s)**	: 10/03/24	10/03/24	
Sample No	: WG2006760-2	**Init. Calib. Times**	: 04:54	08:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.45	1.276	-	12	20	71	0
1,2-Dichlorobenzene	1.051	0.982	-	6.6	20	75	0
1,2,4,5-Tetramethylbenzene	1.421	1.325	-	6.8	20	79	0
1,2-Dibromo-3-chloropropan	0.093	0.079	-	15.1	20	75	0
1,3,5-Trichlorobenzene	0.661	0.688	-	-4.1	20	85	0
Hexachlorobutadiene	0.212	0.23	-	-8.5	20	90	0
1,2,4-Trichlorobenzene	0.561	0.559	-	0.4	20	80	0
Naphthalene	1.188	0.996	-	16.2	20	72	0
1,2,3-Trichlorobenzene	0.469	0.445	-	5.1	20	77	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Acq On : 6 Dec 2024 8:22 am
Operator : GONZO:PID
Sample : WG2006732-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 09:48:48 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 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)
1	I	Fluorobenzene		1.000	1.000	0.0	104	0.00
2	TP	Dichlorodifluoromethane		0.212	0.162	23.6#	73	0.00
3	TP	Chloromethane		0.230	0.210	8.7	93	0.00
4	TP	Vinyl chloride		0.230	0.188	18.3	78	0.00
5	TP	Bromomethane		0.132	0.049	62.9#	41#	0.00
6	TP	Chloroethane	*	10.000	7.006	29.9#	67	0.00
7	TP	Trichlorofluoromethane		0.306	0.221	27.8#	70	0.00
8	TP	Ethyl ether		0.111	0.092	17.1	86	0.00
10	TP	1,1-Dichloroethene		0.176	0.157	10.8	91	0.00
11	TP	Carbon disulfide		0.536	0.485	9.5	94	0.00
12	TP	Freon-113		0.179	0.150	16.2	79	0.00
14	TP	Acrolein		0.031	0.032	-3.2	117	0.00
15	TP	Methylene chloride		0.212	0.189	10.8	95	0.00
17	TP	Acetone		0.055	0.044	20.0#	93	0.00
18	TP	trans-1,2-Dichloroethene		0.191	0.180	5.8	96	0.00
19	TP	Methyl acetate		0.124	0.109	12.1	97	0.00
20	TP	Methyl tert-butyl ether		0.646	0.492	23.8#	82	0.00
21	TP	tert-Butyl alcohol		0.020	0.016	20.0	87	0.00
22	TP	Diisopropyl ether		0.727	0.758	-4.3	109	0.00
23	TP	1,1-Dichloroethane		0.370	0.368	0.5	100	-0.02
24	TP	Halothane		0.152	0.143	5.9	94	0.00
25	TP	Acrylonitrile		0.068	0.060	11.8	98	0.00
26	TP	Ethyl tert-butyl ether		0.681	0.641	5.9	102	0.00
27	TP	Vinyl acetate		0.519	0.465	10.4	92	0.00
28	TP	cis-1,2-Dichloroethene		0.221	0.210	5.0	97	0.00
29	TP	2,2-Dichloropropane		0.246	0.267	-8.5	111	0.00
30	TP	Bromochloromethane		0.101	0.097#	4.0	99	0.00
31	TP	Cyclohexane		0.359	0.339	5.6	93	0.00
32	TP	Chloroform		0.358	0.324	9.5	93	0.00
33	TP	Ethyl acetate		0.197	0.179	9.1	100	0.00
34	TP	Carbon tetrachloride		0.273	0.251	8.1	91	0.00
35	TP	Tetrahydrofuran		0.064	0.059	7.8	101	0.00
36	S	Dibromofluoromethane		0.249	0.246	1.2	102	0.00
37	TP	1,1,1-Trichloroethane		0.316	0.284	10.1	90	0.00
39	TP	2-Butanone		0.084	0.090	-7.1	122	0.00
40	TP	1,1-Dichloropropene		0.265	0.244	7.9	90	0.00
41	TP	Benzene		0.825	0.794	3.8	97	0.00
42	TP	tert-Amyl methyl ether		0.598	0.507	15.2	89	0.00
43	S	1,2-Dichloroethane-d4		0.287	0.279	2.8	98	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Acq On : 6 Dec 2024 8:22 am
Operator : GONZO:PID
Sample : WG2006732-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 09:48:48 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 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)
44	TP	1,2-Dichloroethane	0.279	0.250	10.4	94	0.00
47	TP	Methyl cyclohexane	0.300	0.260	13.3	83	-0.02
48	TP	Trichloroethene	0.221	0.199#	10.0	95	0.00
50	TP	Dibromomethane	0.126	0.112	11.1	95	0.00
51	TP	1,2-Dichloropropane	0.214	0.217	-1.4	105	0.00
54	TP	Bromodichloromethane	0.289	0.254#	12.1	90	0.00
57	TP	1,4-Dioxane	0.00215	0.00162#	24.7#	83	0.00
58	TP	cis-1,3-Dichloropropene	0.327	0.312	4.6	98	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
60	S	Toluene-d8	1.323	1.289	2.6	107	0.00
61	TP	Toluene	0.696	0.649	6.8	99	0.00
62	TP	4-Methyl-2-pentanone	0.097	0.082	15.5	97	-0.01
63	TP	Tetrachloroethene	0.301	0.289	4.0	100	0.00
65	TP	trans-1,3-Dichloropropene	0.406	0.352	13.3	97	0.00
67	TP	Ethyl methacrylate	0.360	0.262	27.2#	81	0.00
68	TP	1,1,2-Trichloroethane	0.212	0.173#	18.4	93	0.00
69	TP	Chlorodibromomethane	0.293	0.261	10.9	97	-0.01
70	TP	1,3-Dichloropropane	0.420	0.370	11.9	96	0.00
71	TP	1,2-Dibromoethane	0.250	0.210	16.0	91	0.00
72	TP	2-Hexanone	0.174	0.144	17.2	97	0.00
73	TP	Chlorobenzene	0.748	0.731	2.3	104	0.00
74	TP	Ethylbenzene	1.337	1.205	9.9	98	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.287	0.251	12.5	95	0.00
76	TP	p/m Xylene	0.509	0.464	8.8	97	0.00
77	TP	o Xylene	0.493	0.455	7.7	98	-0.02
78	TP	Styrene	0.839	0.759	9.5	96	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
80	TP	Bromoform	0.359	0.315	12.3	97	0.00
82	TP	Isopropylbenzene	2.211	2.003	9.4	94	0.00
83	S	4-Bromofluorobenzene	0.876	0.852	2.7	105	0.00
84	TP	Bromobenzene	0.598	0.612	-2.3	105	0.00
85	TP	n-Propylbenzene	2.574	2.348	8.8	95	0.00
86	TP	1,4-Dichlorobutane	0.870	0.721	17.1	92	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.560	0.479	14.5	93	0.00
88	TP	4-Ethyltoluene	2.108	1.939	8.0	96	0.00
89	TP	2-Chlorotoluene	1.570	1.487	5.3	101	0.00
90	TP	1,3,5-Trimethylbenzene	1.866	1.695	9.2	95	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Acq On : 6 Dec 2024 8:22 am
Operator : GONZO:PID
Sample : WG2006732-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 09:48:48 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 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)
91 TP	1,2,3-Trichloropropane	0.457	0.377	17.5	91	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.184	0.126	31.5#	77	0.00
93 TP	4-Chlorotoluene	1.653	1.538	7.0	97	0.00
94 TP	tert-Butylbenzene	1.472	1.409	4.3	98	0.00
97 TP	1,2,4-Trimethylbenzene	1.821	1.649	9.4	96	0.00
98 TP	sec-Butylbenzene	2.123	1.873	11.8	90	0.00
99 TP	p-Isopropyltoluene	1.801	1.692	6.1	97	0.00
100 TP	1,3-Dichlorobenzene	1.090	1.065	2.3	104	0.00
101 TP	1,4-Dichlorobenzene	1.132	1.096	3.2	103	0.00
102 TP	p-Diethylbenzene	1.010	0.946	6.3	98	0.00
103 TP	n-Butylbenzene	1.450	1.236	14.8	89	0.00
104 TP	1,2-Dichlorobenzene	1.051	1.021	2.9	100	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.421	1.386	2.5	105	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.093	0.077	17.2	94	0.00
107 TP	1,3,5-Trichlorobenzene	0.661	0.691	-4.5	109	0.00
108 TP	Hexachlorobutadiene	0.212	0.228	-7.5	115	0.00
109 TP	1,2,4-Trichlorobenzene	0.561	0.573	-2.1	105	0.00
110 TP	Naphthalene	1.188	1.013	14.7	94	0.00
111 TP	1,2,3-Trichlorobenzene	0.469	0.440	6.2	98	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Acq On : 6 Dec 2024 8:22 am
Operator : GONZO:PID
Sample : WG2006732-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 09:48:48 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	642438	10.000	ug/L	0.00
Standard Area 1 = 642438			Recovery = 100.00%			
59) Chlorobenzene-d5	9.596	117	490245	10.000	ug/L	0.00
Standard Area 1 = 490245			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.286	152	271382	10.000	ug/L	0.00
Standard Area 1 = 271382			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.250	113	157988	9.862	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.62%			
43) 1,2-Dichloroethane-d4	5.775	65	178987	9.697	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.97%			
60) Toluene-d8	7.743	98	631890	9.746	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.46%			
83) 4-Bromofluorobenzene	11.085	95	231256	9.723	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.23%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.657	85	104193	7.634	ug/L	99
3) Chloromethane	1.870	50	134682	9.102	ug/L	98
4) Vinyl chloride	1.923	62	120691	8.184	ug/L	98
5) Bromomethane	2.234	94	31212	3.671	ug/L	100
6) Chloroethane	2.333	64	59009	7.006	ug/L	91
7) Trichlorofluoromethane	2.485	101	142278	7.236	ug/L	93
8) Ethyl ether	2.789	74	59163	8.266	ug/L	76
10) 1,1-Dichloroethene	2.986	96	100592	8.880	ug/L	86
11) Carbon disulfide	3.017	76	311269	9.045	ug/L	99
12) Freon-113	3.024	101	96568	8.379	ug/L #	59
14) Acrolein	3.321	56	20696	10.345	ug/L	99
15) Methylene chloride	3.549	84	121105	8.892	ug/L	76
17) Acetone	3.594	43	28560M4	8.113	ug/L	
18) trans-1,2-Dichloroethene	3.701	96	115349	9.394	ug/L	86
19) Methyl acetate	3.708	43	69911	8.744	ug/L #	91
20) Methyl tert-butyl ether	3.784	73	316279	7.616	ug/L	89
21) tert-Butyl alcohol	3.883	59	50440	38.856	ug/L	96
22) Diisopropyl ether	4.141	45	486819	10.418	ug/L	92
23) 1,1-Dichloroethane	4.278	63	236195	9.931	ug/L	98
24) Halothane	4.339	117	91782	9.386	ug/L	100
25) Acrylonitrile	4.339	53	38695	8.812	ug/L #	91

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Acq On : 6 Dec 2024 8:22 am
Operator : GONZO:PID
Sample : WG2006732-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 09:48:48 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.491	59	411530	9.402	ug/L		87
27) Vinyl acetate	4.514	43	298890	8.967	ug/L		97
28) cis-1,2-Dichloroethene	4.802	96	134835	9.485	ug/L		93
29) 2,2-Dichloropropane	4.901	77	171311	10.835	ug/L		98
30) Bromochloromethane	5.000	128	62448	9.655	ug/L	#	78
31) Cyclohexane	4.992	56	217954	9.459	ug/L		76
32) Chloroform	5.068	83	207896	9.029	ug/L		99
33) Ethyl acetate	5.174	43	115206	9.084	ug/L		97
34) Carbon tetrachloride	5.197	117	161357	9.193	ug/L		97
35) Tetrahydrofuran	5.220	42	37745M6	9.186	ug/L		
37) 1,1,1-Trichloroethane	5.266	97	182595	8.990	ug/L		97
39) 2-Butanone	5.372	43	57952	10.795	ug/L	#	68
40) 1,1-Dichloropropene	5.387	75	157045	9.215	ug/L		98
41) Benzene	5.630	78	509865	9.623	ug/L	#	93
42) tert-Amyl methyl ether	5.737	73	325750	8.472	ug/L		92
44) 1,2-Dichloroethane	5.843	62	160829	8.961	ug/L		99
47) Methyl cyclohexane	6.208	83	167176	8.678	ug/L	#	74
48) Trichloroethene	6.230	95	127660	8.976	ug/L		99
50) Dibromomethane	6.679	93	72222	8.922	ug/L		96
51) 1,2-Dichloropropane	6.777	63	139522	10.151	ug/L		96
54) Bromodichloromethane	6.853	83	163317	8.807	ug/L		100
57) 1,4-Dioxane	7.063	88	52143	377.421	ug/L	#	80
58) cis-1,3-Dichloropropene	7.543	75	200251	9.531	ug/L		97
61) Toluene	7.801	92	318178	9.326	ug/L		99
62) 4-Methyl-2-pentanone	8.237	58	40054	8.382	ug/L	#	91
63) Tetrachloroethene	8.252	166	141718	9.603	ug/L		96
65) trans-1,3-Dichloropropene	8.295	75	172516	8.674	ug/L		96
67) Ethyl methacrylate	8.474	69	128578	7.285	ug/L		95
68) 1,1,2-Trichloroethane	8.481	83	84688	8.161	ug/L		97
69) Chlorodibromomethane	8.689	129	127735	8.899	ug/L		99
70) 1,3-Dichloropropane	8.803	76	181428	8.806	ug/L		100
71) 1,2-Dibromoethane	8.968	107	103013	8.389	ug/L		100
72) 2-Hexanone	9.255	43	70633	8.262	ug/L		95
73) Chlorobenzene	9.612	112	358596	9.782	ug/L		99
74) Ethylbenzene	9.645	91	590793	9.011	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.695	131	122958	8.751	ug/L		98
76) p/m Xylene	9.834	106	455204	18.250	ug/L		96
77) o Xylene	10.369	106	446173	18.471	ug/L		95
78) Styrene	10.443	104	743921	18.095	ug/L		98
80) Bromoform	10.476	173	85496	8.765	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Acq On : 6 Dec 2024 8:22 am
Operator : GONZO:PID
Sample : WG2006732-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 09:48:48 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Isopropylbenzene	10.756	105	543695	9.063	ug/L		99
84) Bromobenzene	11.192	156	166041	10.225	ug/L		99
85) n-Propylbenzene	11.233	91	637328	9.123	ug/L		99
86) 1,4-Dichlorobutane	11.258	55	195763	8.289	ug/L		94
87) 1,1,2,2-Tetrachloroethane	11.332	83	130105	8.567	ug/L		99
88) 4-Ethyltoluene	11.356	105	526098	9.198	ug/L		100
89) 2-Chlorotoluene	11.397	91	403451M6	9.469	ug/L		
90) 1,3,5-Trimethylbenzene	11.455	105	459963	9.082	ug/L		100
91) 1,2,3-Trichloropropane	11.463	75	102354	8.251	ug/L		100
92) trans-1,4-Dichloro-2-b...	11.521	53	34199	6.836	ug/L	#	91
93) 4-Chlorotoluene	11.587	91	417439	9.308	ug/L		99
94) tert-Butylbenzene	11.792	119	382279	9.570	ug/L		99
97) 1,2,4-Trimethylbenzene	11.875	105	447539	9.056	ug/L		99
98) sec-Butylbenzene	11.981	105	508343	8.823	ug/L		99
99) p-Isopropyltoluene	12.138	119	459209	9.398	ug/L		99
100) 1,3-Dichlorobenzene	12.212	146	289070	9.773	ug/L		100
101) 1,4-Dichlorobenzene	12.302	146	297494	9.683	ug/L		99
102) p-Diethylbenzene	12.508	119	256654	9.363	ug/L		97
103) n-Butylbenzene	12.566	91	335333	8.523	ug/L		99
104) 1,2-Dichlorobenzene	12.722	146	277023	9.714	ug/L		98
105) 1,2,4,5-Tetramethylben...	13.298	119	376034	9.753	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.503	155	20907	8.263	ug/L		95
107) 1,3,5-Trichlorobenzene	13.528	180	187530	10.451	ug/L		97
108) Hexachlorobutadiene	14.096	225	61957	10.753	ug/L		99
109) 1,2,4-Trichlorobenzene	14.129	180	155508	10.212	ug/L		98
110) Naphthalene	14.425	128	274984	8.527	ug/L		100
111) 1,2,3-Trichlorobenzene	14.589	180	119306	9.365	ug/L		98

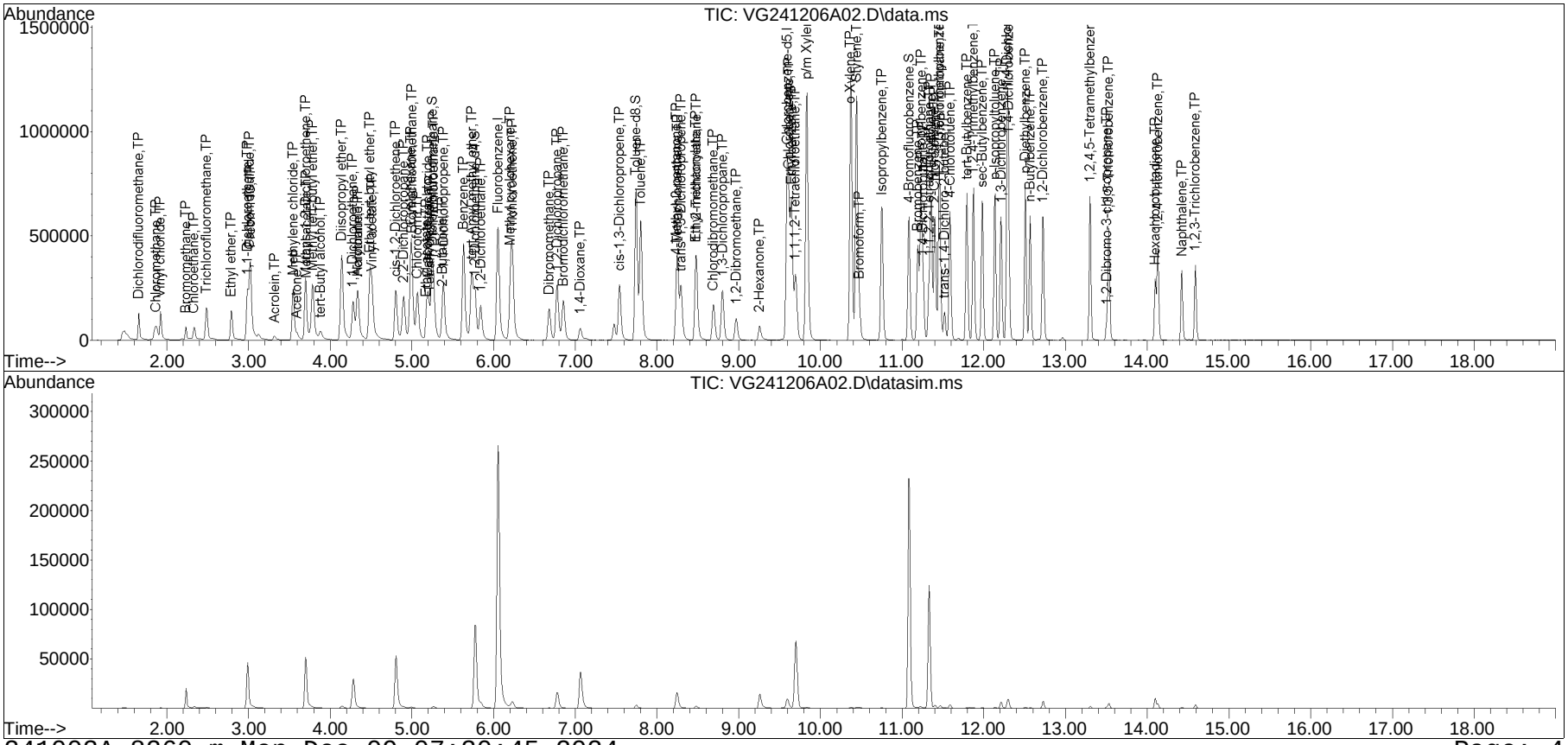
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Acq On : 6 Dec 2024 8:22 am
Operator : GONZO:PID
Sample : WG2006732-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 09:48:48 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

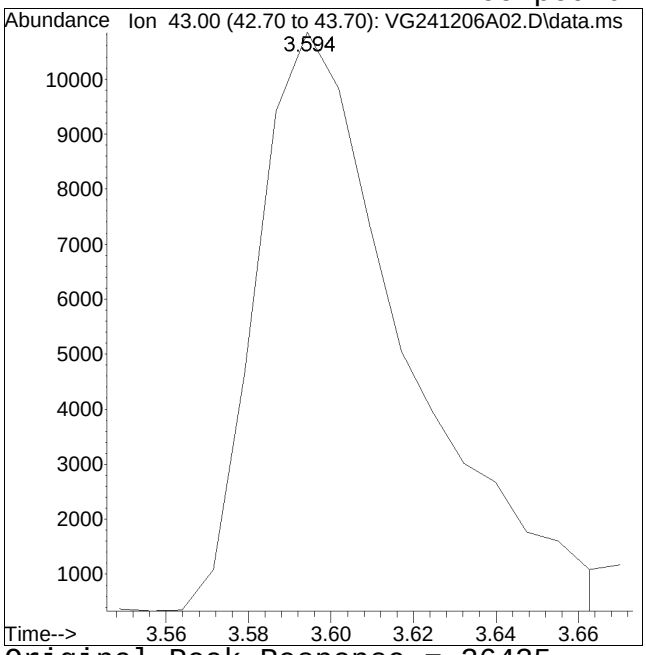


Manual Integration Report

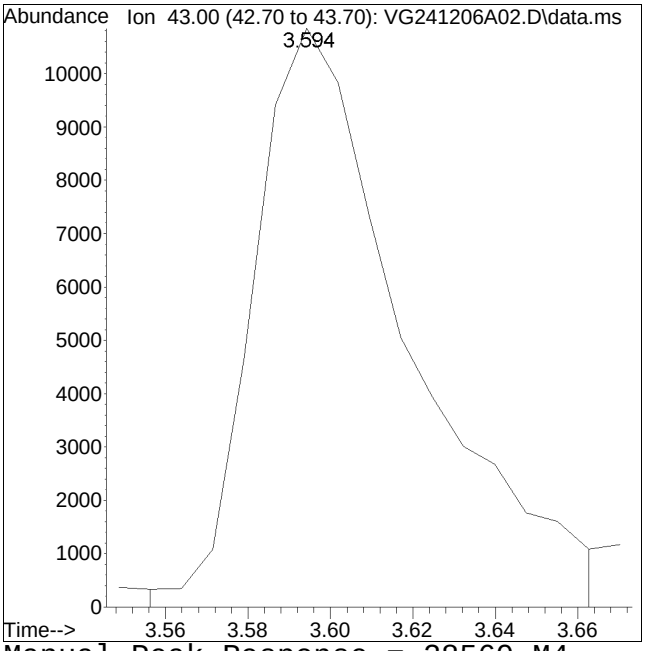
Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Date Inj'd : 12/6/2024 8:22 am
Sample : WG2006732-2

QMethod : G_241003A_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 12/6/2024 8:42 am

Compound #17: Acetone



Original Peak Response = 26435



Manual Peak Response = 28560 M4

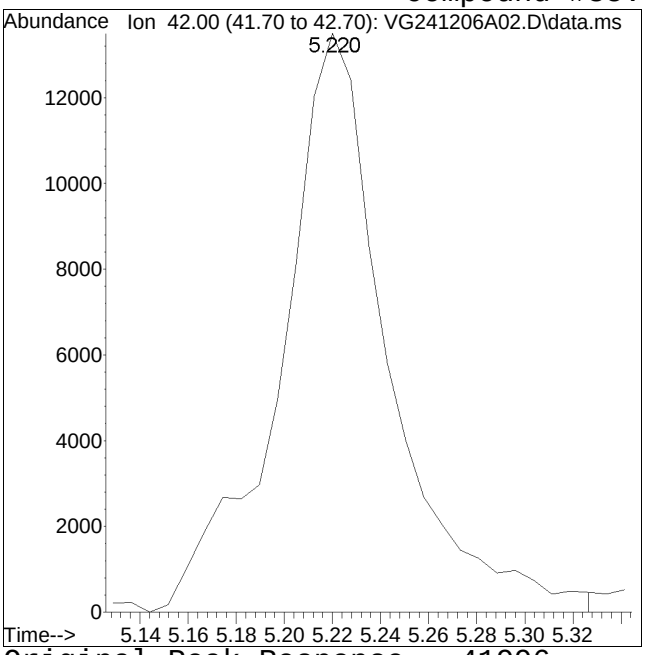
M4 = Poor automated baseline construction.

Manual Integration Report

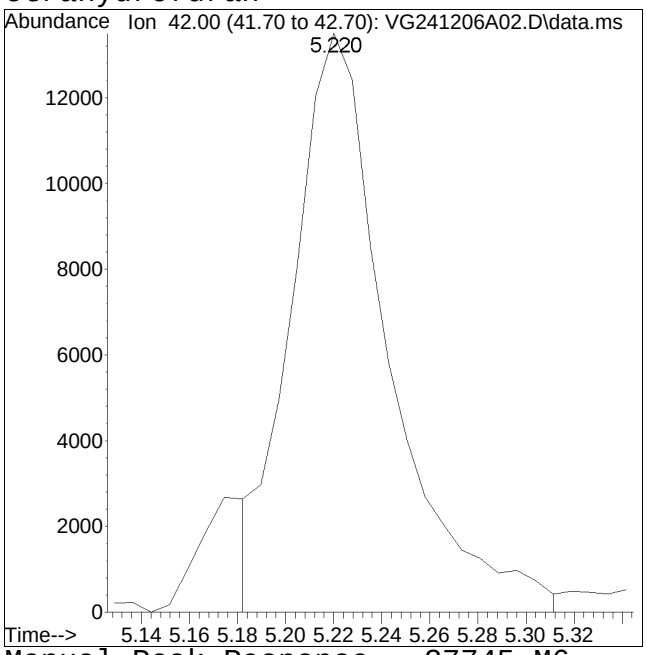
Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Date Inj'd : 12/6/2024 8:22 am
Sample : WG2006732-2

QMethod : G_241003A_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 12/6/2024 8:42 am

Compound #35: Tetrahydrofuran



Original Peak Response = 41996



Manual Peak Response = 37745 M6

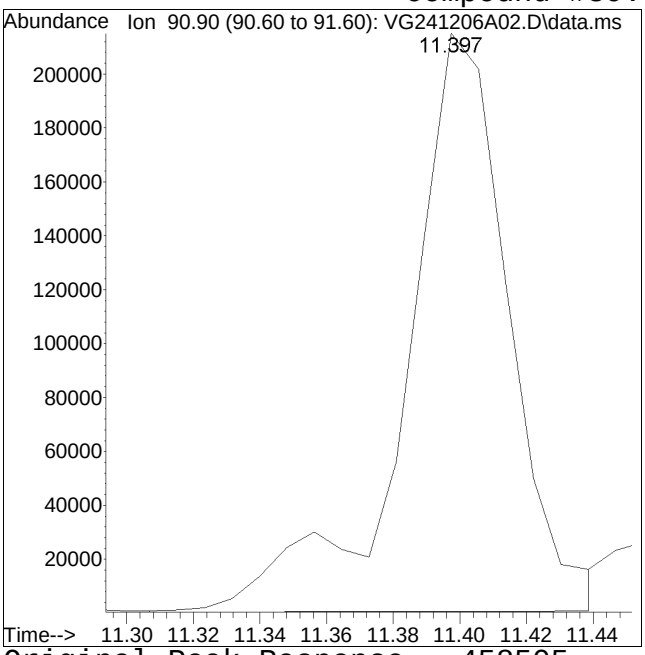
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

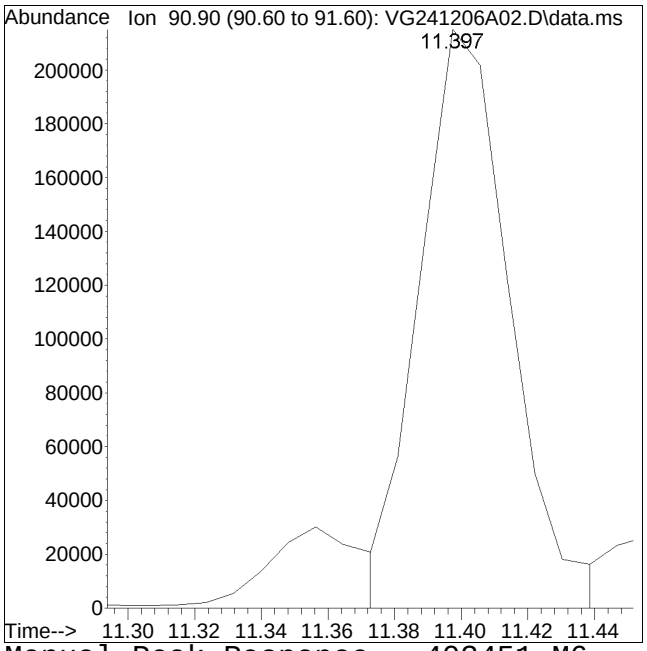
Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Date Inj'd : 12/6/2024 8:22 am
Sample : WG2006732-2

QMethod : G_241003A_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 12/6/2024 8:42 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 458505



Manual Peak Response = 403451 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006760-2
Misc : WG2006760,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 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)
1	I	Fluorobenzene	1.000	1.000	0.0	76	0.00
2	TP	Dichlorodifluoromethane	0.212	0.181	14.6	59	0.00
3	TP	Chloromethane	0.230	0.210	8.7	68	0.00
4	TP	Vinyl chloride	0.230	0.180	21.7#	55	0.00
5	TP	Bromomethane	0.132	0.041	68.9#	25#	0.00
6	TP	Chloroethane	* 10.000	6.260	37.4#	44#	0.00
7	TP	Trichlorofluoromethane	0.306	0.275	10.1	63	0.00
8	TP	Ethyl ether	0.111	0.081	27.0#	55	0.00
10	TP	1,1-Dichloroethene	0.176	0.160	9.1	68	0.00
11	TP	Carbon disulfide	0.536	0.489	8.8	69	0.00
12	TP	Freon-113	0.179	0.165	7.8	64	0.00
14	TP	Acrolein	0.031	0.035	-12.9	94	0.00
15	TP	Methylene chloride	0.212	0.186	12.3	68	0.00
17	TP	Acetone	0.055	0.049	10.9	75	0.00
18	TP	trans-1,2-Dichloroethene	0.191	0.180	5.8	70	-0.02
19	TP	Methyl acetate	0.124	0.116	6.5	76	0.00
20	TP	Methyl tert-butyl ether	0.646	0.497	23.1#	60	0.00
21	TP	tert-Butyl alcohol	0.020	0.017	15.0	70	0.00
22	TP	Diisopropyl ether	0.727	0.756	-4.0	79	0.00
23	TP	1,1-Dichloroethane	0.370	0.370	0.0	74	-0.02
24	TP	Halothane	0.152	0.143	5.9	69	0.00
25	TP	Acrylonitrile	0.068	0.060	11.8	71	0.00
26	TP	Ethyl tert-butyl ether	0.681	0.634	6.9	74	0.00
27	TP	Vinyl acetate	0.519	0.465	10.4	67	0.00
28	TP	cis-1,2-Dichloroethene	0.221	0.198#	10.4	66	0.00
29	TP	2,2-Dichloropropane	0.246	0.280	-13.8	85	0.00
30	TP	Bromochloromethane	0.101	0.095#	5.9	70	0.00
31	TP	Cyclohexane	0.359	0.361	-0.6	72	0.00
32	TP	Chloroform	0.358	0.331	7.5	69	0.00
33	TP	Ethyl acetate	0.197	0.190	3.6	77	0.00
34	TP	Carbon tetrachloride	0.273	0.272	0.4	72	0.00
35	TP	Tetrahydrofuran	0.064	0.060	6.3	76	0.00
36	S	Dibromofluoromethane	0.249	0.253	-1.6	77	-0.02
37	TP	1,1,1-Trichloroethane	0.316	0.300	5.1	69	-0.01
39	TP	2-Butanone	0.084	0.083	1.2	81	0.00
40	TP	1,1-Dichloropropene	0.265	0.252	4.9	67	0.00
41	TP	Benzene	0.825	0.777	5.8	69	0.00
42	TP	tert-Amyl methyl ether	0.598	0.492	17.7	63	0.00
43	S	1,2-Dichloroethane-d4	0.287	0.305	-6.3	78	0.00

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006760-2
Misc : WG2006760,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 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)
44	TP	1,2-Dichloroethane	0.279	0.266	4.7	73	0.00
47	TP	Methyl cyclohexane	0.300	0.265	11.7	61	-0.02
48	TP	Trichloroethene	0.221	0.206	6.8	72	0.00
50	TP	Dibromomethane	0.126	0.112	11.1	69	0.00
51	TP	1,2-Dichloropropane	0.214	0.210	1.9	74	0.00
54	TP	Bromodichloromethane	0.289	0.258#	10.7	67	0.00
57	TP	1,4-Dioxane	0.00215	0.00174#	19.1	64	0.00
58	TP	cis-1,3-Dichloropropene	0.327	0.305	6.7	70	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
60	S	Toluene-d8	1.323	1.276	3.6	78	0.00
61	TP	Toluene	0.696	0.640	8.0	72	0.00
62	TP	4-Methyl-2-pentanone	0.097	0.080	17.5	71	-0.01
63	TP	Tetrachloroethene	0.301	0.297	1.3	76	-0.01
65	TP	trans-1,3-Dichloropropene	0.406	0.342	15.8	70	0.00
67	TP	Ethyl methacrylate	0.360	0.252	30.0#	58	0.00
68	TP	1,1,2-Trichloroethane	0.212	0.171#	19.3	68	0.00
69	TP	Chlorodibromomethane	0.293	0.261	10.9	72	-0.01
70	TP	1,3-Dichloropropane	0.420	0.357	15.0	69	0.00
71	TP	1,2-Dibromoethane	0.250	0.210	16.0	67	0.00
72	TP	2-Hexanone	0.174	0.154	11.5	77	0.00
73	TP	Chlorobenzene	0.748	0.719	3.9	76	0.00
74	TP	Ethylbenzene	1.337	1.209	9.6	73	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.287	0.256	10.8	72	0.00
76	TP	p/m Xylene	0.509	0.472	7.3	73	0.00
77	TP	o Xylene	0.493	0.455	7.7	72	-0.02
78	TP	Styrene	0.839	0.760	9.4	71	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
80	TP	Bromoform	0.359	0.309	13.9	74	0.00
82	TP	Isopropylbenzene	2.211	1.975	10.7	72	0.00
83	S	4-Bromofluorobenzene	0.876	0.821	6.3	79	0.00
84	TP	Bromobenzene	0.598	0.598	0.0	80	0.00
85	TP	n-Propylbenzene	2.574	2.314	10.1	73	0.00
86	TP	1,4-Dichlorobutane	0.870	0.736	15.4	73	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.560	0.456	18.6	69	0.00
88	TP	4-Ethyltoluene	2.108	1.902	9.8	74	0.00
89	TP	2-Chlorotoluene	1.570	1.455	7.3	77	0.00
90	TP	1,3,5-Trimethylbenzene	1.866	1.687	9.6	74	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006760-2
Misc : WG2006760,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 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)
91 TP	1,2,3-Trichloropropane	0.457	0.380	16.8	72	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.184	0.133	27.7#	64	-0.02
93 TP	4-Chlorotoluene	1.653	1.499	9.3	74	0.00
94 TP	tert-Butylbenzene	1.472	1.393	5.4	76	0.00
97 TP	1,2,4-Trimethylbenzene	1.821	1.613	11.4	73	0.00
98 TP	sec-Butylbenzene	2.123	1.897	10.6	72	0.00
99 TP	p-Isopropyltoluene	1.801	1.686	6.4	75	0.00
100 TP	1,3-Dichlorobenzene	1.090	1.042	4.4	79	0.00
101 TP	1,4-Dichlorobenzene	1.132	1.055	6.8	77	0.00
102 TP	p-Diethylbenzene	1.010	0.936	7.3	76	0.00
103 TP	n-Butylbenzene	1.450	1.276	12.0	71	0.00
104 TP	1,2-Dichlorobenzene	1.051	0.982	6.6	75	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.421	1.325	6.8	79	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.093	0.079	15.1	75	0.00
107 TP	1,3,5-Trichlorobenzene	0.661	0.688	-4.1	85	0.00
108 TP	Hexachlorobutadiene	0.212	0.230	-8.5	90	0.00
109 TP	1,2,4-Trichlorobenzene	0.561	0.559	0.4	80	0.00
110 TP	Naphthalene	1.188	0.996	16.2	72	0.00
111 TP	1,2,3-Trichlorobenzene	0.469	0.445	5.1	77	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006760-2
Misc : WG2006760,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	468300	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 100.00%			
59) Chlorobenzene-d5	9.596	117	363004	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.286	152	211946	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.243	113	118646	10.160	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.60%			
43) 1,2-Dichloroethane-d4	5.775	65	142777	10.612	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.12%			
60) Toluene-d8	7.743	98	463156	9.647	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.47%			
83) 4-Bromofluorobenzene	11.085	95	173930	9.363	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.63%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.657	85	84905	8.534	ug/L	97
3) Chloromethane	1.877	50	98309	9.114	ug/L	98
4) Vinyl chloride	1.923	62	84436	7.854	ug/L	98
5) Bromomethane	2.234	94	19199	3.098	ug/L	98
6) Chloroethane	2.333	64	38572M1	6.260	ug/L	
7) Trichlorofluoromethane	2.485	101	128550	8.969	ug/L	98
8) Ethyl ether	2.797	74	37803	7.246	ug/L #	57
10) 1,1-Dichloroethene	2.986	96	74949	9.076	ug/L	81
11) Carbon disulfide	3.017	76	229220	9.138	ug/L	98
12) Freon-113	3.024	101	77175	9.186	ug/L #	72
14) Acrolein	3.321	56	16580	11.370	ug/L	97
15) Methylene chloride	3.549	84	87060	8.769	ug/L #	70
17) Acetone	3.594	43	22945	8.942	ug/L	96
18) trans-1,2-Dichloroethene	3.693	96	84102	9.396	ug/L	85
19) Methyl acetate	3.708	43	54543	9.358	ug/L #	90
20) Methyl tert-butyl ether	3.784	73	232779	7.690	ug/L #	87
21) tert-Butyl alcohol	3.883	59	40321	42.611	ug/L #	84
22) Diisopropyl ether	4.141	45	353912	10.390	ug/L	91
23) 1,1-Dichloroethane	4.278	63	173276	9.994	ug/L	99
24) Halothane	4.339	117	66951	9.393	ug/L	100
25) Acrylonitrile	4.339	53	28138	8.790	ug/L	95

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006760-2
Misc : WG2006760,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.491	59	297046	9.310	ug/L		87
27) Vinyl acetate	4.513	43	217697	8.960	ug/L		96
28) cis-1,2-Dichloroethene	4.802	96	92634	8.940	ug/L	#	85
29) 2,2-Dichloropropane	4.901	77	131223	11.386	ug/L		93
30) Bromochloromethane	5.000	128	44585	9.456	ug/L	#	75
31) Cyclohexane	4.992	56	169220	10.074	ug/L		67
32) Chloroform	5.068	83	154930	9.231	ug/L		97
33) Ethyl acetate	5.174	43	88925	9.619	ug/L	#	96
34) Carbon tetrachloride	5.197	117	127333	9.952	ug/L		98
35) Tetrahydrofuran	5.220	42	28316M6	9.454	ug/L		
37) 1,1,1-Trichloroethane	5.258	97	140293	9.476	ug/L		95
39) 2-Butanone	5.372	43	38687	9.886	ug/L	#	78
40) 1,1-Dichloropropene	5.387	75	117872	9.489	ug/L		99
41) Benzene	5.630	78	363717	9.417	ug/L	#	92
42) tert-Amyl methyl ether	5.737	73	230209	8.214	ug/L	#	89
44) 1,2-Dichloroethane	5.843	62	124447	9.513	ug/L		99
47) Methyl cyclohexane	6.208	83	124042	8.833	ug/L	#	66
48) Trichloroethene	6.230	95	96355	9.294	ug/L		98
50) Dibromomethane	6.679	93	52402	8.881	ug/L		94
51) 1,2-Dichloropropane	6.777	63	98441	9.825	ug/L		97
54) Bromodichloromethane	6.853	83	120795	8.936	ug/L		100
57) 1,4-Dioxane	7.063	88	40661	403.753	ug/L	#	74
58) cis-1,3-Dichloropropene	7.543	75	142856	9.328	ug/L		93
61) Toluene	7.800	92	232195	9.191	ug/L		99
62) 4-Methyl-2-pentanone	8.237	58	29000	8.196	ug/L		86
63) Tetrachloroethene	8.245	166	107934	9.877	ug/L		98
65) trans-1,3-Dichloropropene	8.295	75	124080	8.425	ug/L		98
67) Ethyl methacrylate	8.474	69	91433	6.996	ug/L		94
68) 1,1,2-Trichloroethane	8.481	83	62024	8.072	ug/L		98
69) Chlorodibromomethane	8.689	129	94792	8.919	ug/L		99
70) 1,3-Dichloropropane	8.803	76	129428	8.484	ug/L		99
71) 1,2-Dibromoethane	8.968	107	76070	8.366	ug/L		100
72) 2-Hexanone	9.255	43	55993	8.845	ug/L		91
73) Chlorobenzene	9.612	112	260823	9.609	ug/L		100
74) Ethylbenzene	9.645	91	438830	9.040	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.695	131	92748	8.915	ug/L		100
76) p/m Xylene	9.834	106	342824	18.562	ug/L		94
77) o Xylene	10.369	106	330027	18.451	ug/L		95
78) Styrene	10.443	104	551562	18.119	ug/L		97
80) Bromoform	10.476	173	65436	8.590	ug/L		99

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006760-2
Misc : WG2006760,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Isopropylbenzene	10.748	105	418695	8.936	ug/L		100
84) Bromobenzene	11.192	156	126692	9.990	ug/L		98
85) n-Propylbenzene	11.233	91	490382	8.988	ug/L		99
86) 1,4-Dichlorobutane	11.258	55	155974	8.456	ug/L		96
87) 1,1,2,2-Tetrachloroethane	11.332	83	96722	8.155	ug/L		97
88) 4-Ethyltoluene	11.356	105	403132	9.025	ug/L		100
89) 2-Chlorotoluene	11.397	91	308403M6	9.268	ug/L		
90) 1,3,5-Trimethylbenzene	11.455	105	357470	9.038	ug/L		99
91) 1,2,3-Trichloropropane	11.463	75	80507	8.310	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.513	53	28241	7.228	ug/L	#	88
93) 4-Chlorotoluene	11.587	91	317654	9.069	ug/L		99
94) tert-Butylbenzene	11.792	119	295278	9.465	ug/L		99
97) 1,2,4-Trimethylbenzene	11.875	105	341962	8.860	ug/L		100
98) sec-Butylbenzene	11.981	105	402071	8.935	ug/L		99
99) p-Isopropyltoluene	12.138	119	357321	9.363	ug/L		99
100) 1,3-Dichlorobenzene	12.212	146	220783	9.557	ug/L		99
101) 1,4-Dichlorobenzene	12.302	146	223563	9.317	ug/L		99
102) p-Diethylbenzene	12.508	119	198485	9.271	ug/L		97
103) n-Butylbenzene	12.566	91	270402	8.799	ug/L		99
104) 1,2-Dichlorobenzene	12.722	146	208035	9.340	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.298	119	280907	9.329	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.503	155	16672	8.437	ug/L		96
107) 1,3,5-Trichlorobenzene	13.528	180	145864	10.409	ug/L		98
108) Hexachlorobutadiene	14.096	225	48829	10.851	ug/L		97
109) 1,2,4-Trichlorobenzene	14.129	180	118432	9.958	ug/L		98
110) Naphthalene	14.425	128	211178	8.384	ug/L		100
111) 1,2,3-Trichlorobenzene	14.589	180	94394	9.488	ug/L		99

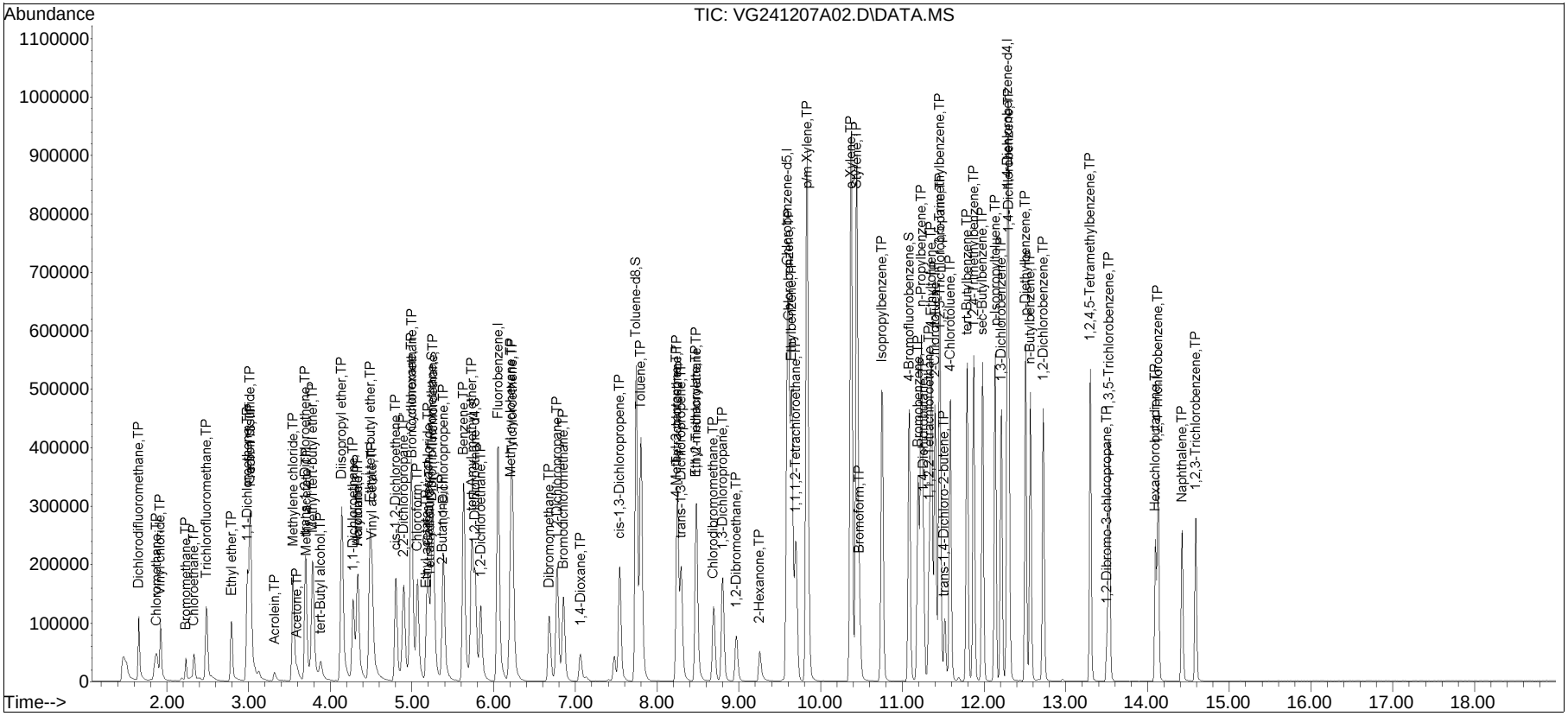
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006760-2
Misc : WG2006760,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

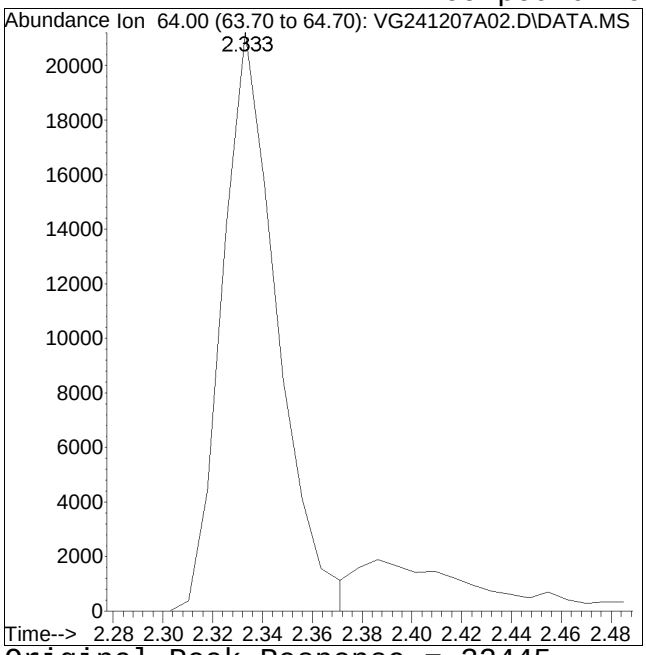


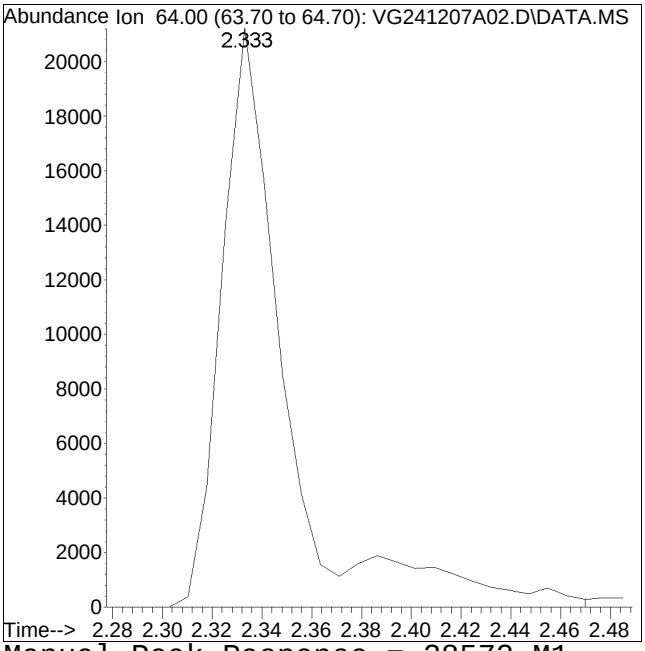
Manual Integration Report

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Date Inj'd : 12/7/2024 12:43 pm
Sample : WG2006760-2

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:09 pm

Compound #6: Chloroethane





Original Peak Response = 32445 Manual Peak Response = 38572 M1

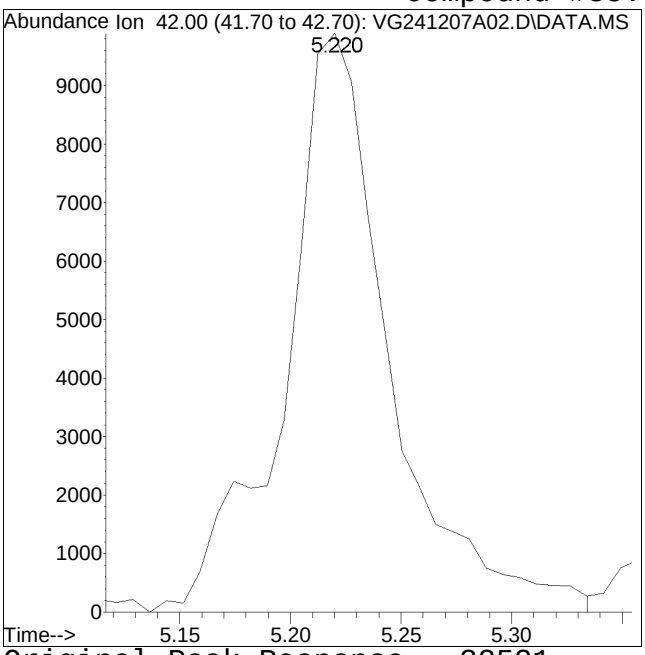
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

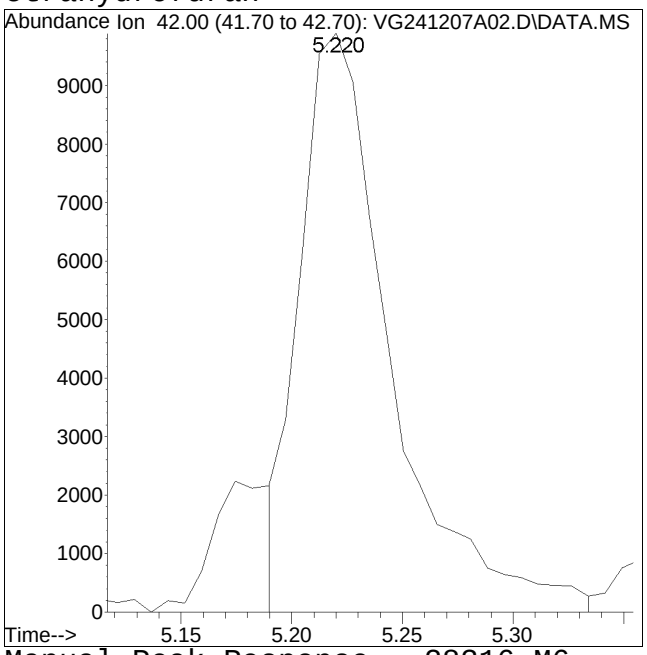
Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Date Inj'd : 12/7/2024 12:43 pm
Sample : WG2006760-2

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:09 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 32521



Manual Peak Response = 28316 M6

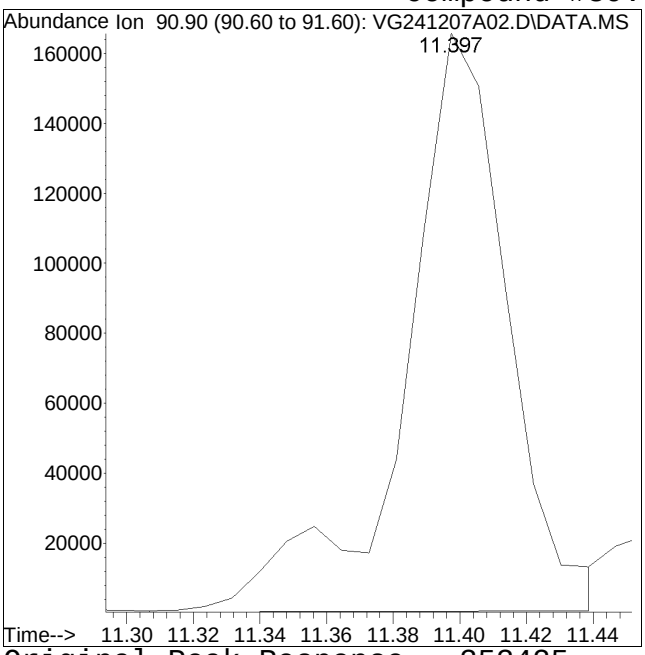
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

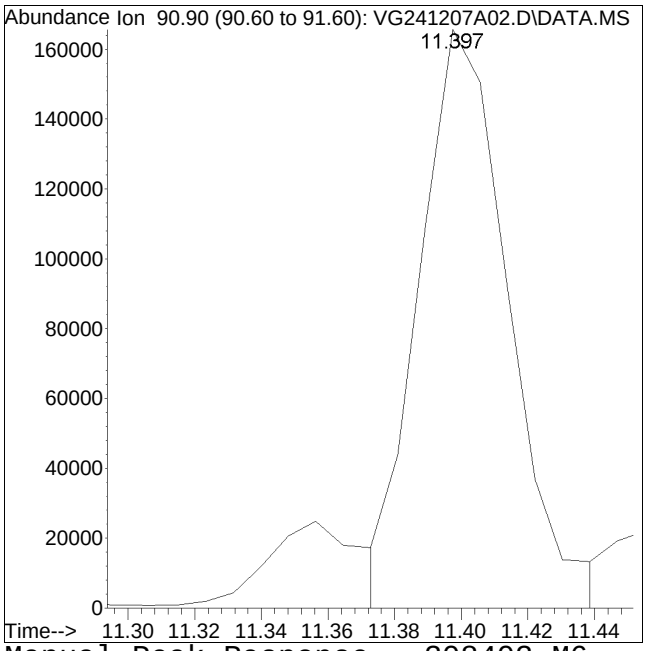
Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Date Inj'd : 12/7/2024 12:43 pm
Sample : WG2006760-2

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:09 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 353425



Manual Peak Response = 308403 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006732-9
Misc : WG2006732,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 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)
1	I	Fluorobenzene	1.000	1.000	0.0	76	0.00
2	TP	Dichlorodifluoromethane	0.212	0.181	14.6	59	0.00
3	TP	Chloromethane	0.230	0.210	8.7	68	0.00
4	TP	Vinyl chloride	0.230	0.180	21.7#	55	0.00
5	TP	Bromomethane	0.132	0.041	68.9#	25#	0.00
6	TP	Chloroethane	* 10.000	6.260	37.4#	44#	0.00
7	TP	Trichlorofluoromethane	0.306	0.275	10.1	63	0.00
8	TP	Ethyl ether	0.111	0.081	27.0#	55	0.00
10	TP	1,1-Dichloroethene	0.176	0.160	9.1	68	0.00
11	TP	Carbon disulfide	0.536	0.489	8.8	69	0.00
12	TP	Freon-113	0.179	0.165	7.8	64	0.00
14	TP	Acrolein	0.031	0.035	-12.9	94	0.00
15	TP	Methylene chloride	0.212	0.186	12.3	68	0.00
17	TP	Acetone	0.055	0.049	10.9	75	0.00
18	TP	trans-1,2-Dichloroethene	0.191	0.180	5.8	70	-0.02
19	TP	Methyl acetate	0.124	0.116	6.5	76	0.00
20	TP	Methyl tert-butyl ether	0.646	0.497	23.1#	60	0.00
21	TP	tert-Butyl alcohol	0.020	0.017	15.0	70	0.00
22	TP	Diisopropyl ether	0.727	0.756	-4.0	79	0.00
23	TP	1,1-Dichloroethane	0.370	0.370	0.0	74	-0.02
24	TP	Halothane	0.152	0.143	5.9	69	0.00
25	TP	Acrylonitrile	0.068	0.060	11.8	71	0.00
26	TP	Ethyl tert-butyl ether	0.681	0.634	6.9	74	0.00
27	TP	Vinyl acetate	0.519	0.465	10.4	67	0.00
28	TP	cis-1,2-Dichloroethene	0.221	0.198#	10.4	66	0.00
29	TP	2,2-Dichloropropane	0.246	0.280	-13.8	85	0.00
30	TP	Bromochloromethane	0.101	0.095#	5.9	70	0.00
31	TP	Cyclohexane	0.359	0.361	-0.6	72	0.00
32	TP	Chloroform	0.358	0.331	7.5	69	0.00
33	TP	Ethyl acetate	0.197	0.190	3.6	77	0.00
34	TP	Carbon tetrachloride	0.273	0.272	0.4	72	0.00
35	TP	Tetrahydrofuran	0.064	0.060	6.3	76	0.00
36	S	Dibromofluoromethane	0.249	0.253	-1.6	77	-0.02
37	TP	1,1,1-Trichloroethane	0.316	0.300	5.1	69	-0.01
39	TP	2-Butanone	0.084	0.083	1.2	81	0.00
40	TP	1,1-Dichloropropene	0.265	0.252	4.9	67	0.00
41	TP	Benzene	0.825	0.777	5.8	69	0.00
42	TP	tert-Amyl methyl ether	0.598	0.492	17.7	63	0.00
43	S	1,2-Dichloroethane-d4	0.287	0.305	-6.3	78	0.00

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006732-9
Misc : WG2006732,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 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)
44	TP	1,2-Dichloroethane	0.279	0.266	4.7	73	0.00
47	TP	Methyl cyclohexane	0.300	0.265	11.7	61	-0.02
48	TP	Trichloroethene	0.221	0.206	6.8	72	0.00
50	TP	Dibromomethane	0.126	0.112	11.1	69	0.00
51	TP	1,2-Dichloropropane	0.214	0.210	1.9	74	0.00
54	TP	Bromodichloromethane	0.289	0.258#	10.7	67	0.00
57	TP	1,4-Dioxane	0.00215	0.00174#	19.1	64	0.00
58	TP	cis-1,3-Dichloropropene	0.327	0.305	6.7	70	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
60	S	Toluene-d8	1.323	1.276	3.6	78	0.00
61	TP	Toluene	0.696	0.640	8.0	72	0.00
62	TP	4-Methyl-2-pentanone	0.097	0.080	17.5	71	-0.01
63	TP	Tetrachloroethene	0.301	0.297	1.3	76	-0.01
65	TP	trans-1,3-Dichloropropene	0.406	0.342	15.8	70	0.00
67	TP	Ethyl methacrylate	0.360	0.252	30.0#	58	0.00
68	TP	1,1,2-Trichloroethane	0.212	0.171#	19.3	68	0.00
69	TP	Chlorodibromomethane	0.293	0.261	10.9	72	-0.01
70	TP	1,3-Dichloropropane	0.420	0.357	15.0	69	0.00
71	TP	1,2-Dibromoethane	0.250	0.210	16.0	67	0.00
72	TP	2-Hexanone	0.174	0.154	11.5	77	0.00
73	TP	Chlorobenzene	0.748	0.719	3.9	76	0.00
74	TP	Ethylbenzene	1.337	1.209	9.6	73	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.287	0.256	10.8	72	0.00
76	TP	p/m Xylene	0.509	0.472	7.3	73	0.00
77	TP	o Xylene	0.493	0.455	7.7	72	-0.02
78	TP	Styrene	0.839	0.760	9.4	71	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
80	TP	Bromoform	0.359	0.309	13.9	74	0.00
82	TP	Isopropylbenzene	2.211	1.975	10.7	72	0.00
83	S	4-Bromofluorobenzene	0.876	0.821	6.3	79	0.00
84	TP	Bromobenzene	0.598	0.598	0.0	80	0.00
85	TP	n-Propylbenzene	2.574	2.314	10.1	73	0.00
86	TP	1,4-Dichlorobutane	0.870	0.736	15.4	73	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.560	0.456	18.6	69	0.00
88	TP	4-Ethyltoluene	2.108	1.902	9.8	74	0.00
89	TP	2-Chlorotoluene	1.570	1.455	7.3	77	0.00
90	TP	1,3,5-Trimethylbenzene	1.866	1.687	9.6	74	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006732-9
Misc : WG2006732,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 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)
91 TP	1,2,3-Trichloropropane	0.457	0.380	16.8	72	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.184	0.133	27.7#	64	-0.02
93 TP	4-Chlorotoluene	1.653	1.499	9.3	74	0.00
94 TP	tert-Butylbenzene	1.472	1.393	5.4	76	0.00
97 TP	1,2,4-Trimethylbenzene	1.821	1.613	11.4	73	0.00
98 TP	sec-Butylbenzene	2.123	1.897	10.6	72	0.00
99 TP	p-Isopropyltoluene	1.801	1.686	6.4	75	0.00
100 TP	1,3-Dichlorobenzene	1.090	1.042	4.4	79	0.00
101 TP	1,4-Dichlorobenzene	1.132	1.055	6.8	77	0.00
102 TP	p-Diethylbenzene	1.010	0.936	7.3	76	0.00
103 TP	n-Butylbenzene	1.450	1.276	12.0	71	0.00
104 TP	1,2-Dichlorobenzene	1.051	0.982	6.6	75	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.421	1.325	6.8	79	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.093	0.079	15.1	75	0.00
107 TP	1,3,5-Trichlorobenzene	0.661	0.688	-4.1	85	0.00
108 TP	Hexachlorobutadiene	0.212	0.230	-8.5	90	0.00
109 TP	1,2,4-Trichlorobenzene	0.561	0.559	0.4	80	0.00
110 TP	Naphthalene	1.188	0.996	16.2	72	0.00
111 TP	1,2,3-Trichlorobenzene	0.469	0.445	5.1	77	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006732-9
Misc : WG2006732,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	468300	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 100.00%			
59) Chlorobenzene-d5	9.596	117	363004	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.286	152	211946	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.243	113	118646	10.160	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.60%			
43) 1,2-Dichloroethane-d4	5.775	65	142777	10.612	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.12%			
60) Toluene-d8	7.743	98	463156	9.647	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.47%			
83) 4-Bromofluorobenzene	11.085	95	173930	9.363	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.63%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.657	85	84905	8.534	ug/L	97
3) Chloromethane	1.877	50	98309	9.114	ug/L	98
4) Vinyl chloride	1.923	62	84436	7.854	ug/L	98
5) Bromomethane	2.234	94	19199	3.098	ug/L	98
6) Chloroethane	2.333	64	38572M1	6.260	ug/L	
7) Trichlorofluoromethane	2.485	101	128550	8.969	ug/L	98
8) Ethyl ether	2.797	74	37803	7.246	ug/L #	57
10) 1,1-Dichloroethene	2.986	96	74949	9.076	ug/L	81
11) Carbon disulfide	3.017	76	229220	9.138	ug/L	98
12) Freon-113	3.024	101	77175	9.186	ug/L #	72
14) Acrolein	3.321	56	16580	11.370	ug/L	97
15) Methylene chloride	3.549	84	87060	8.769	ug/L #	70
17) Acetone	3.594	43	22945	8.942	ug/L	96
18) trans-1,2-Dichloroethene	3.693	96	84102	9.396	ug/L	85
19) Methyl acetate	3.708	43	54543	9.358	ug/L #	90
20) Methyl tert-butyl ether	3.784	73	232779	7.690	ug/L #	87
21) tert-Butyl alcohol	3.883	59	40321	42.611	ug/L #	84
22) Diisopropyl ether	4.141	45	353912	10.390	ug/L	91
23) 1,1-Dichloroethane	4.278	63	173276	9.994	ug/L	99
24) Halothane	4.339	117	66951	9.393	ug/L	100
25) Acrylonitrile	4.339	53	28138	8.790	ug/L	95

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006732-9
Misc : WG2006732,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.491	59	297046	9.310	ug/L		87
27) Vinyl acetate	4.513	43	217697	8.960	ug/L		96
28) cis-1,2-Dichloroethene	4.802	96	92634	8.940	ug/L	#	85
29) 2,2-Dichloropropane	4.901	77	131223	11.386	ug/L		93
30) Bromochloromethane	5.000	128	44585	9.456	ug/L	#	75
31) Cyclohexane	4.992	56	169220	10.074	ug/L		67
32) Chloroform	5.068	83	154930	9.231	ug/L		97
33) Ethyl acetate	5.174	43	88925	9.619	ug/L	#	96
34) Carbon tetrachloride	5.197	117	127333	9.952	ug/L		98
35) Tetrahydrofuran	5.220	42	28316M6	9.454	ug/L		
37) 1,1,1-Trichloroethane	5.258	97	140293	9.476	ug/L		95
39) 2-Butanone	5.372	43	38687	9.886	ug/L	#	78
40) 1,1-Dichloropropene	5.387	75	117872	9.489	ug/L		99
41) Benzene	5.630	78	363717	9.417	ug/L	#	92
42) tert-Amyl methyl ether	5.737	73	230209	8.214	ug/L	#	89
44) 1,2-Dichloroethane	5.843	62	124447	9.513	ug/L		99
47) Methyl cyclohexane	6.208	83	124042	8.833	ug/L	#	66
48) Trichloroethene	6.230	95	96355	9.294	ug/L		98
50) Dibromomethane	6.679	93	52402	8.881	ug/L		94
51) 1,2-Dichloropropane	6.777	63	98441	9.825	ug/L		97
54) Bromodichloromethane	6.853	83	120795	8.936	ug/L		100
57) 1,4-Dioxane	7.063	88	40661	403.753	ug/L	#	74
58) cis-1,3-Dichloropropene	7.543	75	142856	9.328	ug/L		93
61) Toluene	7.800	92	232195	9.191	ug/L		99
62) 4-Methyl-2-pentanone	8.237	58	29000	8.196	ug/L		86
63) Tetrachloroethene	8.245	166	107934	9.877	ug/L		98
65) trans-1,3-Dichloropropene	8.295	75	124080	8.425	ug/L		98
67) Ethyl methacrylate	8.474	69	91433	6.996	ug/L		94
68) 1,1,2-Trichloroethane	8.481	83	62024	8.072	ug/L		98
69) Chlorodibromomethane	8.689	129	94792	8.919	ug/L		99
70) 1,3-Dichloropropane	8.803	76	129428	8.484	ug/L		99
71) 1,2-Dibromoethane	8.968	107	76070	8.366	ug/L		100
72) 2-Hexanone	9.255	43	55993	8.845	ug/L		91
73) Chlorobenzene	9.612	112	260823	9.609	ug/L		100
74) Ethylbenzene	9.645	91	438830	9.040	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.695	131	92748	8.915	ug/L		100
76) p/m Xylene	9.834	106	342824	18.562	ug/L		94
77) o Xylene	10.369	106	330027	18.451	ug/L		95
78) Styrene	10.443	104	551562	18.119	ug/L		97
80) Bromoform	10.476	173	65436	8.590	ug/L		99

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006732-9
Misc : WG2006732,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Isopropylbenzene	10.748	105	418695	8.936	ug/L		100
84) Bromobenzene	11.192	156	126692	9.990	ug/L		98
85) n-Propylbenzene	11.233	91	490382	8.988	ug/L		99
86) 1,4-Dichlorobutane	11.258	55	155974	8.456	ug/L		96
87) 1,1,2,2-Tetrachloroethane	11.332	83	96722	8.155	ug/L		97
88) 4-Ethyltoluene	11.356	105	403132	9.025	ug/L		100
89) 2-Chlorotoluene	11.397	91	308403M6	9.268	ug/L		
90) 1,3,5-Trimethylbenzene	11.455	105	357470	9.038	ug/L		99
91) 1,2,3-Trichloropropane	11.463	75	80507	8.310	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.513	53	28241	7.228	ug/L	#	88
93) 4-Chlorotoluene	11.587	91	317654	9.069	ug/L		99
94) tert-Butylbenzene	11.792	119	295278	9.465	ug/L		99
97) 1,2,4-Trimethylbenzene	11.875	105	341962	8.860	ug/L		100
98) sec-Butylbenzene	11.981	105	402071	8.935	ug/L		99
99) p-Isopropyltoluene	12.138	119	357321	9.363	ug/L		99
100) 1,3-Dichlorobenzene	12.212	146	220783	9.557	ug/L		99
101) 1,4-Dichlorobenzene	12.302	146	223563	9.317	ug/L		99
102) p-Diethylbenzene	12.508	119	198485	9.271	ug/L		97
103) n-Butylbenzene	12.566	91	270402	8.799	ug/L		99
104) 1,2-Dichlorobenzene	12.722	146	208035	9.340	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.298	119	280907	9.329	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.503	155	16672	8.437	ug/L		96
107) 1,3,5-Trichlorobenzene	13.528	180	145864	10.409	ug/L		98
108) Hexachlorobutadiene	14.096	225	48829	10.851	ug/L		97
109) 1,2,4-Trichlorobenzene	14.129	180	118432	9.958	ug/L		98
110) Naphthalene	14.425	128	211178	8.384	ug/L		100
111) 1,2,3-Trichlorobenzene	14.589	180	94394	9.488	ug/L		99

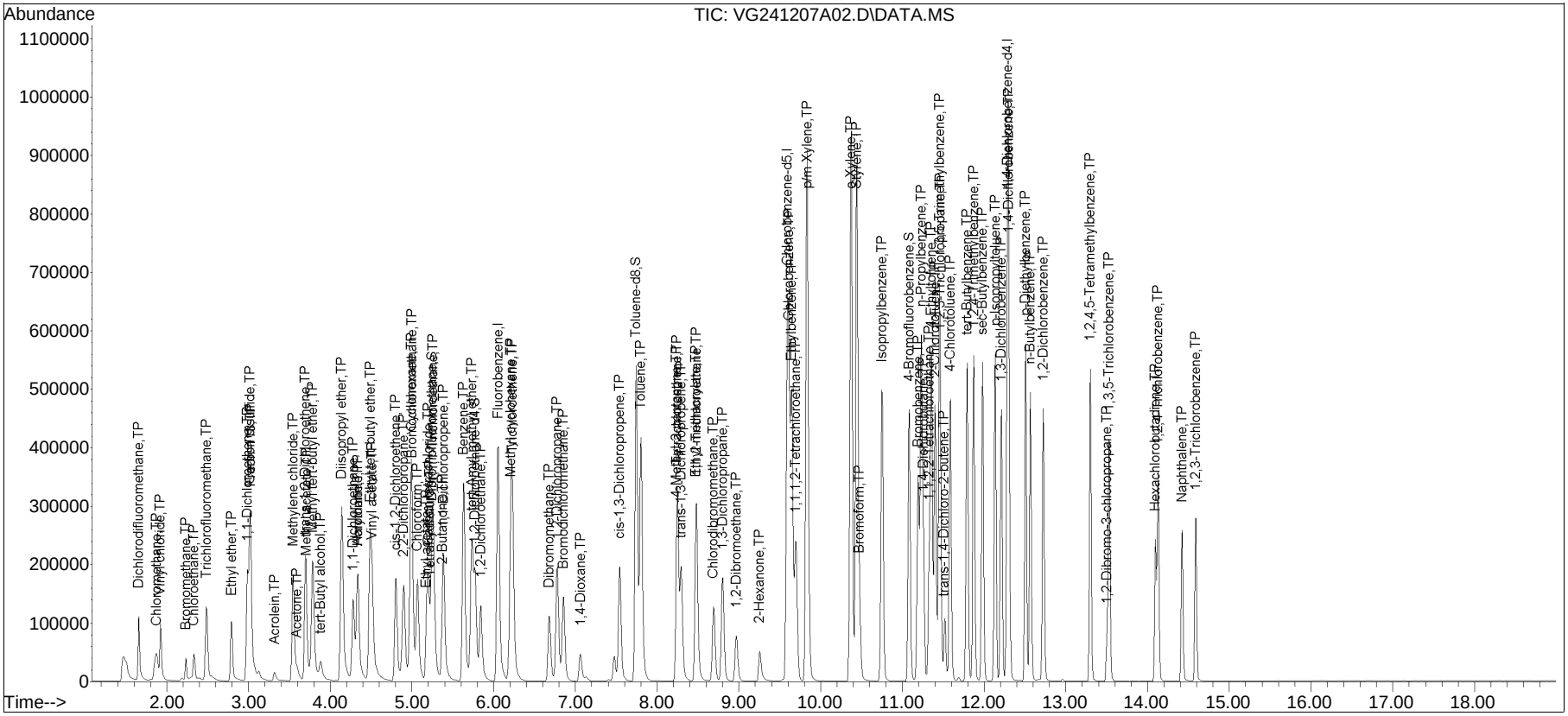
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006732-9
Misc : WG2006732,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

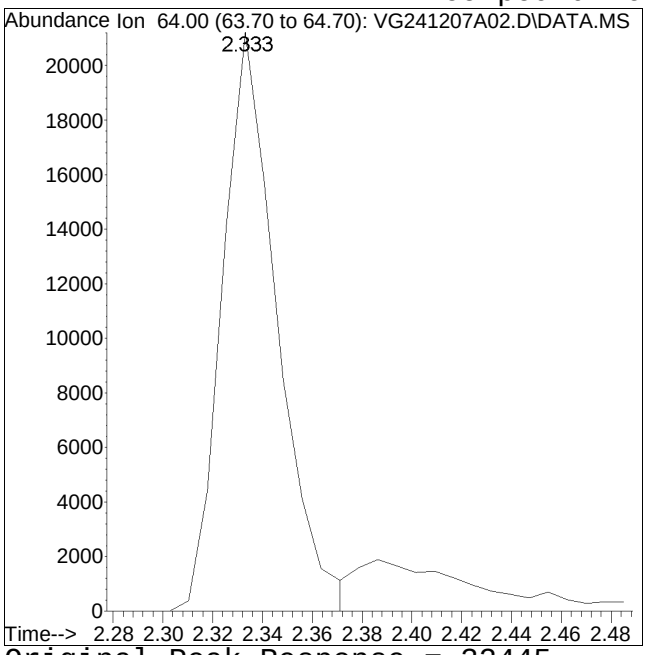


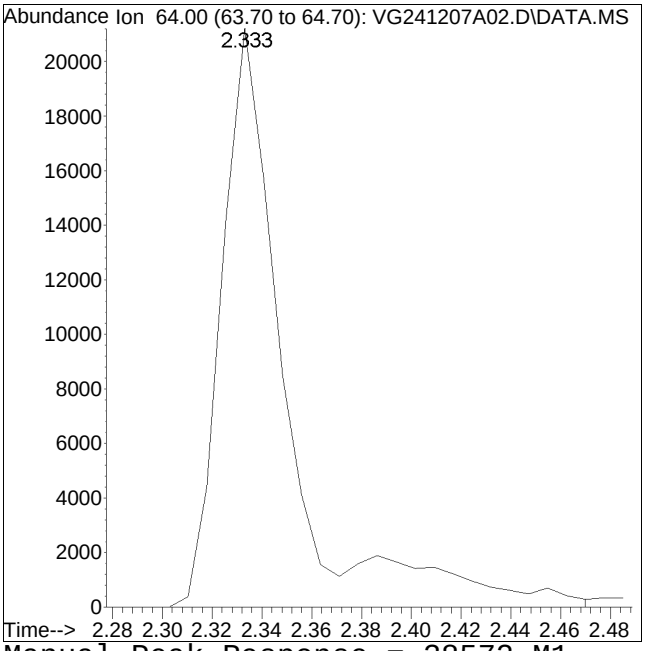
Manual Integration Report

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Date Inj'd : 12/7/2024 12:43 pm
Sample : WG2006732-9

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:09 pm

Compound #6: Chloroethane





Original Peak Response = 32445 Manual Peak Response = 38572 M1

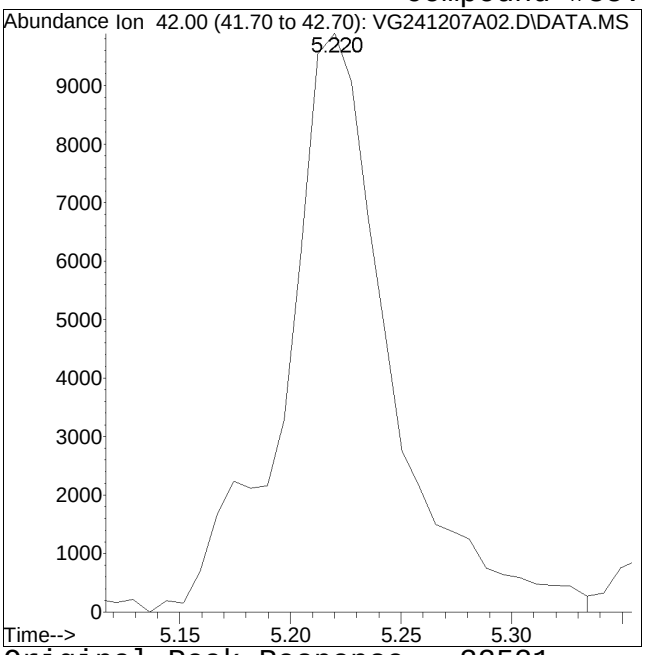
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

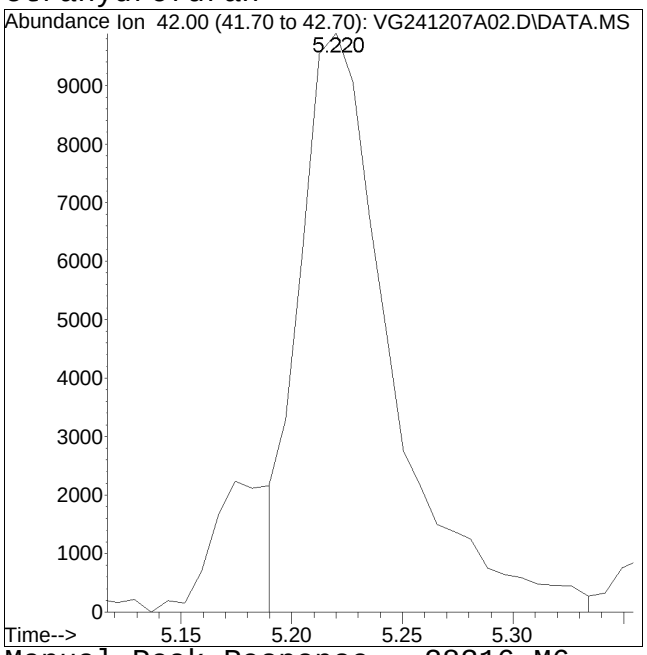
Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Date Inj'd : 12/7/2024 12:43 pm
Sample : WG2006732-9

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:09 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 32521



Manual Peak Response = 28316 M6

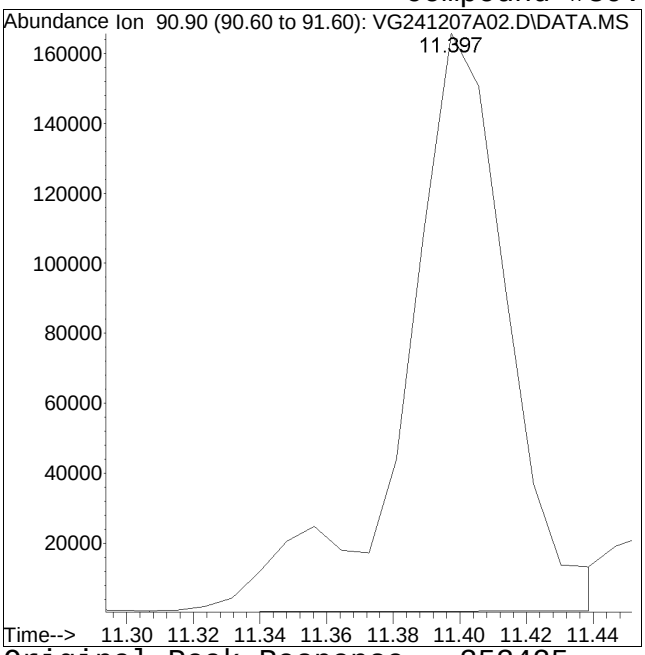
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

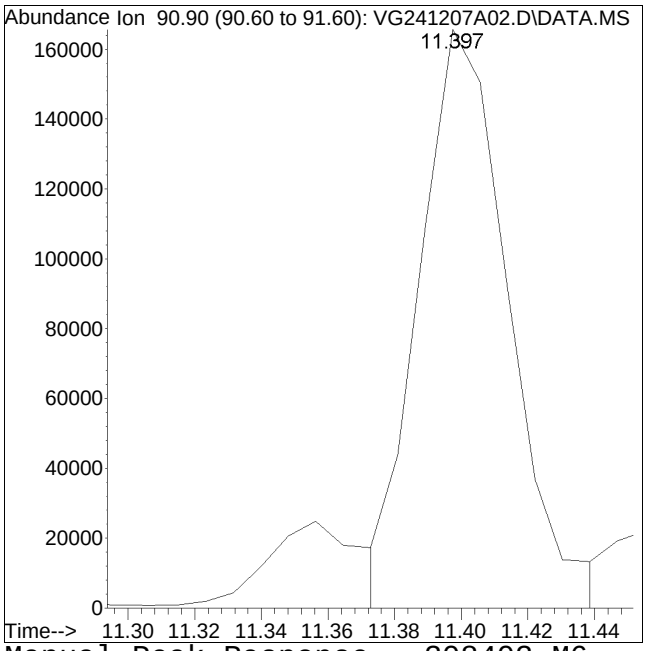
Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Date Inj'd : 12/7/2024 12:43 pm
Sample : WG2006732-9

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:09 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 353425



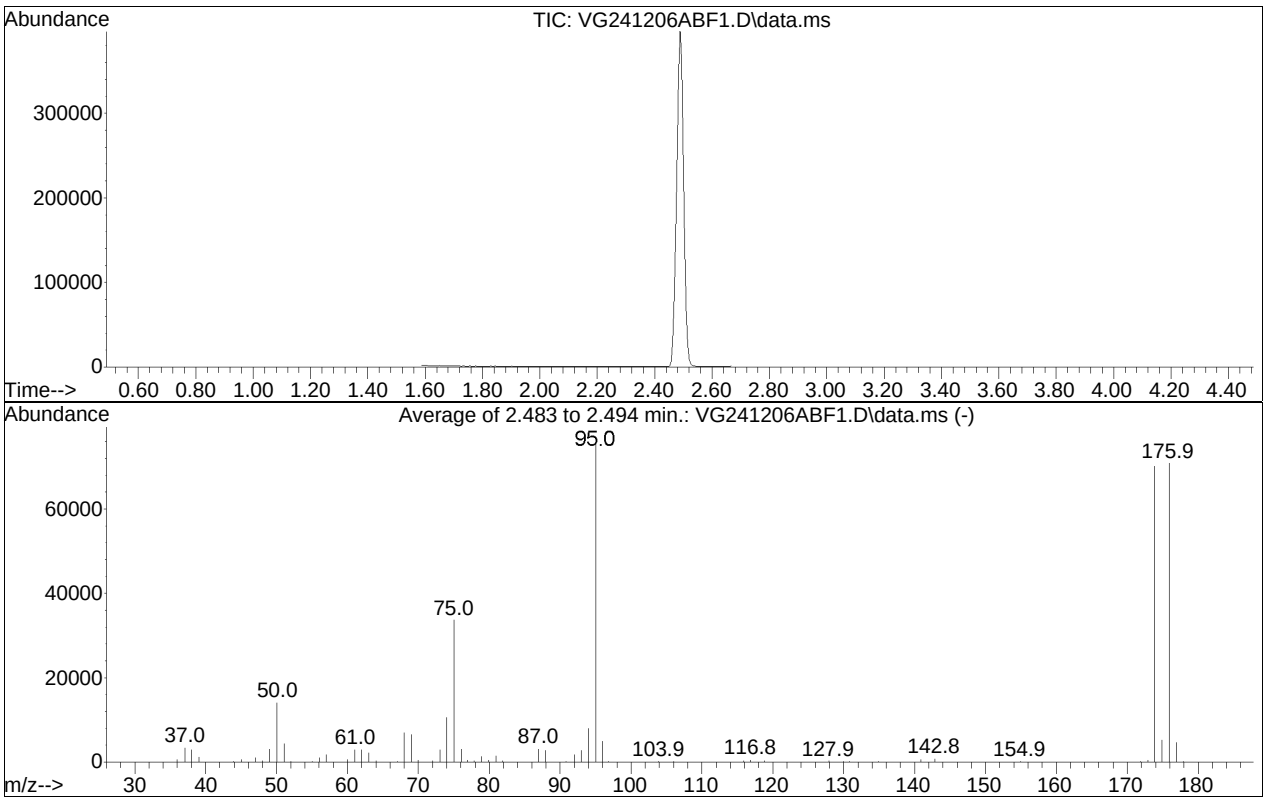
Manual Peak Response = 308403 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206ABF1.D
Acq On : 6 Dec 2024 7:43 am
Operator : GONZO:PID
Sample : WG2006732-1
Misc : WG2006732,ICAL21571
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Oct 04 09:30:18 2024



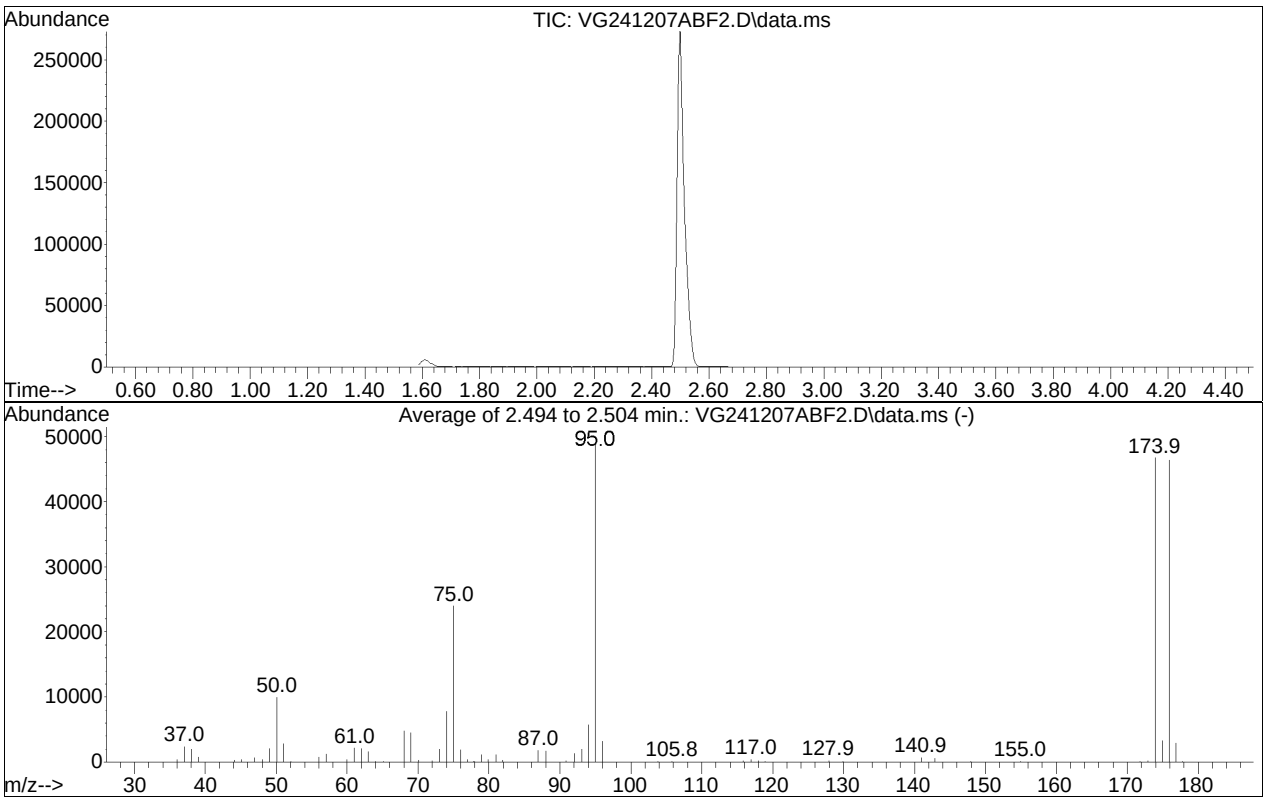
Spectrum Information: Average of 2.483 to 2.494 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.6	14085	PASS
75	95	30	60	44.6	33800	PASS
95	95	100	100	100.0	75723	PASS
96	95	5	9	6.5	4885	PASS
173	174	0.00	2	0.8	539	PASS
174	95	50	100	92.7	70229	PASS
175	174	5	9	7.6	5304	PASS
176	174	95	101	100.9	70848	PASS
177	176	5	9	6.6	4670	PASS

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207ABF2.D
Acq On : 7 Dec 2024 12:01 pm
Operator : GONZO:LAC
Sample : WG2006760-1
Misc : WG2006760,ICAL21571
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Oct 04 09:30:18 2024



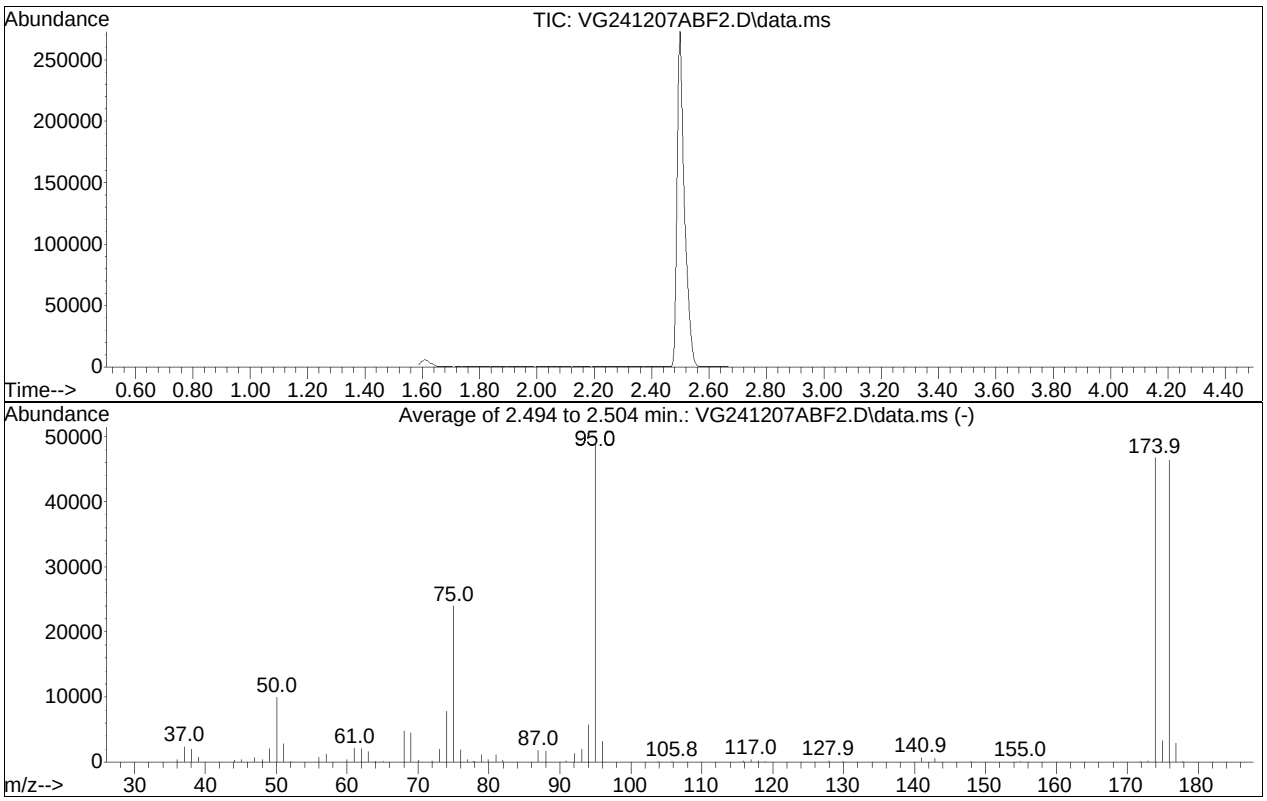
Spectrum Information: Average of 2.494 to 2.504 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	10001	PASS
75	95	30	60	48.9	23976	PASS
95	95	100	100	100.0	49075	PASS
96	95	5	9	6.6	3229	PASS
173	174	0.00	2	0.6	263	PASS
174	95	50	100	95.4	46800	PASS
175	174	5	9	7.2	3353	PASS
176	174	95	101	99.1	46357	PASS
177	176	5	9	6.3	2910	PASS

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207ABF2.D
Acq On : 7 Dec 2024 12:01 pm
Operator : GONZO:LAC
Sample : WG2006732-8
Misc : WG2006732,ICAL21571
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Oct 04 09:30:18 2024



Spectrum Information: Average of 2.494 to 2.504 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	10001	PASS
75	95	30	60	48.9	23976	PASS
95	95	100	100	100.0	49075	PASS
96	95	5	9	6.6	3229	PASS
173	174	0.00	2	0.6	263	PASS
174	95	50	100	95.4	46800	PASS
175	174	5	9	7.2	3353	PASS
176	174	95	101	99.1	46357	PASS
177	176	5	9	6.3	2910	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A05.D
Acq On : 6 Dec 2024 9:33 am
Operator : GONZO:PID
Sample : WG2006732-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 06 09:59:30 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.056	96	623064	10.000 ug/L	0.00
Standard Area 1 = 642438			Recovery = 96.98%		
59) Chlorobenzene-d5	9.596	117	474066	10.000 ug/L	0.00
Standard Area 1 = 490245			Recovery = 96.70%		
79) 1,4-Dichlorobenzene-d4	12.286	152	264990	10.000 ug/L	0.00
Standard Area 1 = 271382			Recovery = 97.64%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.251	113	153301	9.867 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.67%		
43) 1,2-Dichloroethane-d4	5.775	65	174569	9.752 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.52%		
60) Toluene-d8	7.743	98	605323	9.655 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.55%		
83) 4-Bromofluorobenzene	11.085	95	226862	9.768 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.68%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.498	85	102	N.D.	
3) Chloromethane	1.862	50	866	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.242	94	653	0.079 ug/L	85
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.025	76	1656	N.D.	
15) Methylene chloride	3.549	84	75	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.716	96	167	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	4.605	43	76	N.D.	
28) cis-1,2-Dichloroethene	4.810	96	194	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A05.D
Acq On : 6 Dec 2024 9:33 am
Operator : GONZO:PID
Sample : WG2006732-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 06 09:59:30 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.395	43	4703	0.903	ug/L #	38
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	5.638	78	92	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.	d	
48) Trichloroethene	0.000		0	N.D.	d	
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.793	92	339	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	9.621	112	247	N.D.		
74) Ethylbenzene	9.867	91	1107	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	9.867	106	336	N.D.		
77) o Xylene	10.419	106	83	N.D.		
78) Styrene	10.509	104	174	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.772	105	676	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	11.266	91	1351	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	11.373	105	1305	N.D.		
89) 2-Chlorotoluene	11.430	91	515	N.D.		
90) 1,3,5-Trimethylbenzene	11.488	105	795	N.D.		
91) 1,2,3-Trichloropropane	11.603	75	83	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	11.628	91	838	N.D.		
94) tert-Butylbenzene	11.792	119	599	N.D.		

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A05.D
Acq On : 6 Dec 2024 9:33 am
Operator : GONZO:PID
Sample : WG2006732-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 06 09:59:30 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	11.891	105	1310	N.D.			
98)	sec-Butylbenzene	11.990	105	1350	N.D.			
99)	p-Isopropyltoluene	12.138	119	1267	N.D.			
100)	1,3-Dichlorobenzene	12.220	146	748	N.D.			
101)	1,4-Dichlorobenzene	12.302	146	1083	N.D.			
102)	p-Diethylbenzene	12.533	119	1036	N.D.			
103)	n-Butylbenzene	12.590	91	1845	N.D.			
104)	1,2-Dichlorobenzene	12.747	146	636	N.D.			
105)	1,2,4,5-Tetramethylben...	13.314	119	1670	N.D.			
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108)	Hexachlorobutadiene	14.096	225	1013	0.180	ug/L		94
109)	1,2,4-Trichlorobenzene	14.145	180	1945	0.131	ug/L	#	74
110)	Naphthalene	14.441	128	4074	0.129	ug/L		100
111)	1,2,3-Trichlorobenzene	14.606	180	1764	0.142	ug/L		98

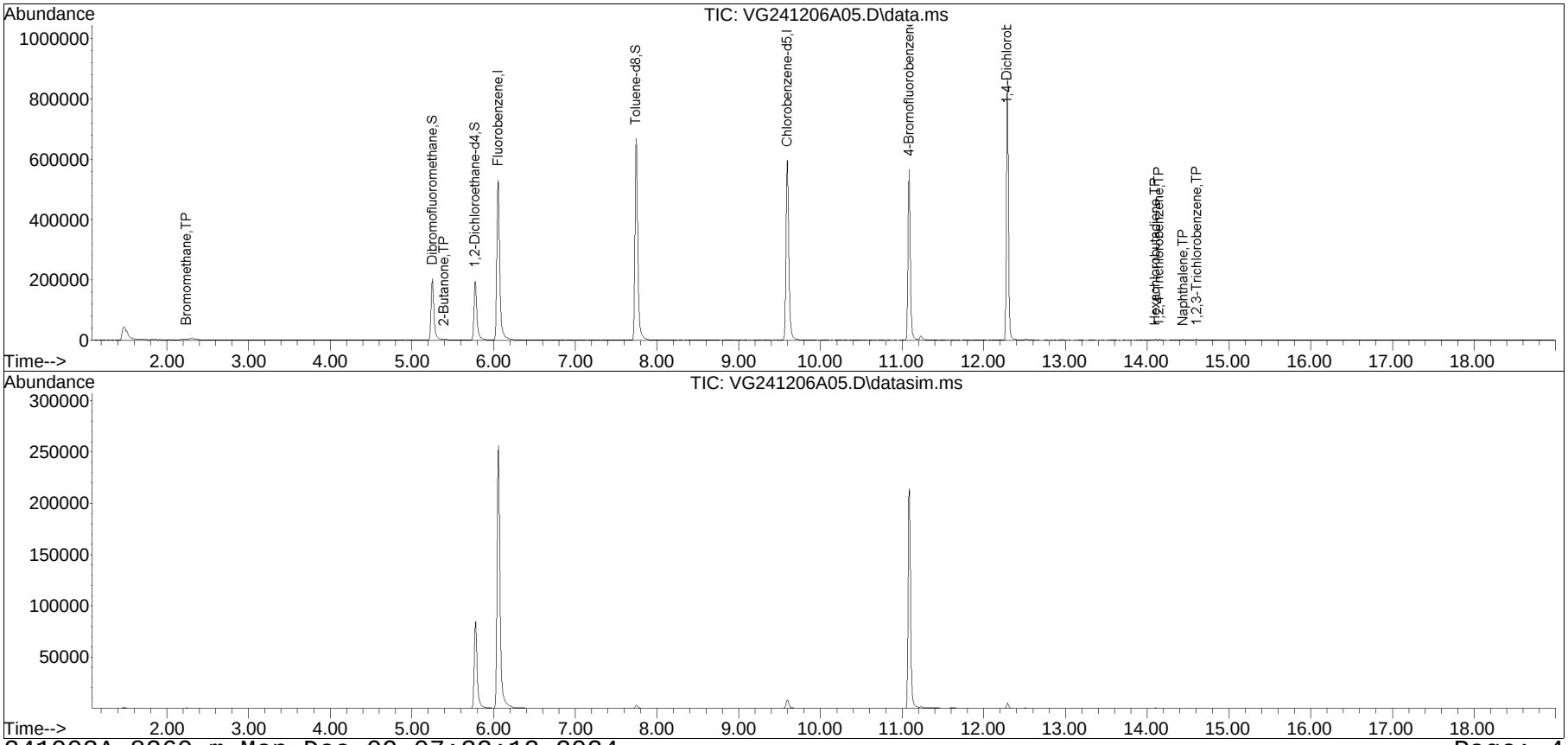
(#) = qualifier out of range (m) = manual integration (+) = signals summed

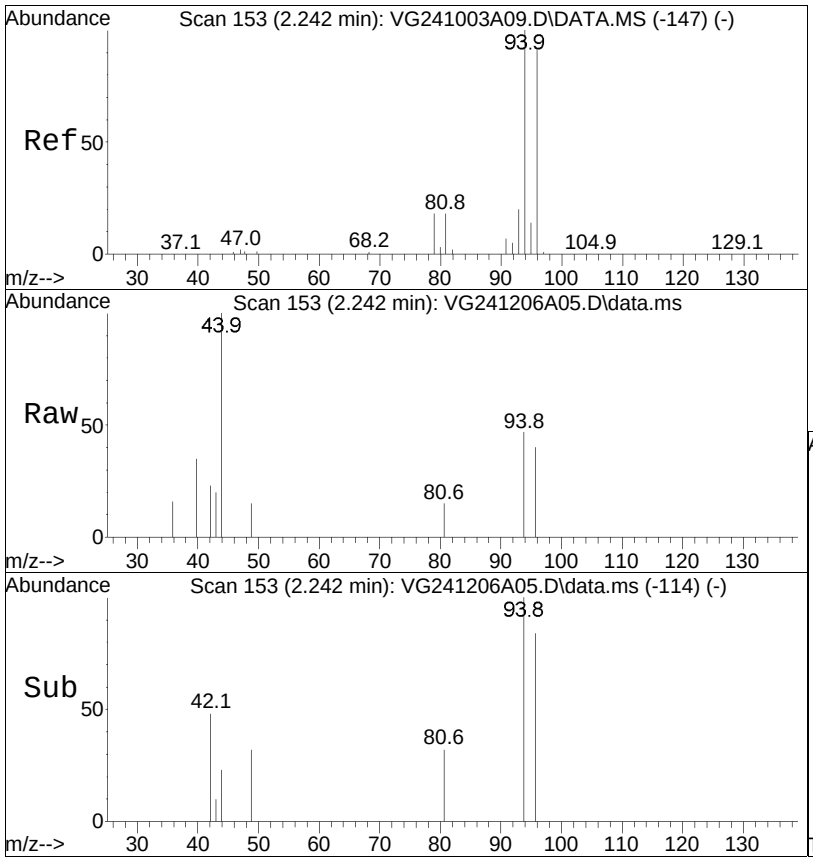
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A05.D
Acq On : 6 Dec 2024 9:33 am
Operator : GONZO:PID
Sample : WG2006732-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 06 09:59:30 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

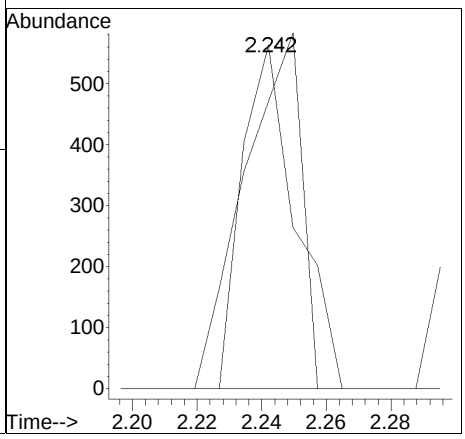


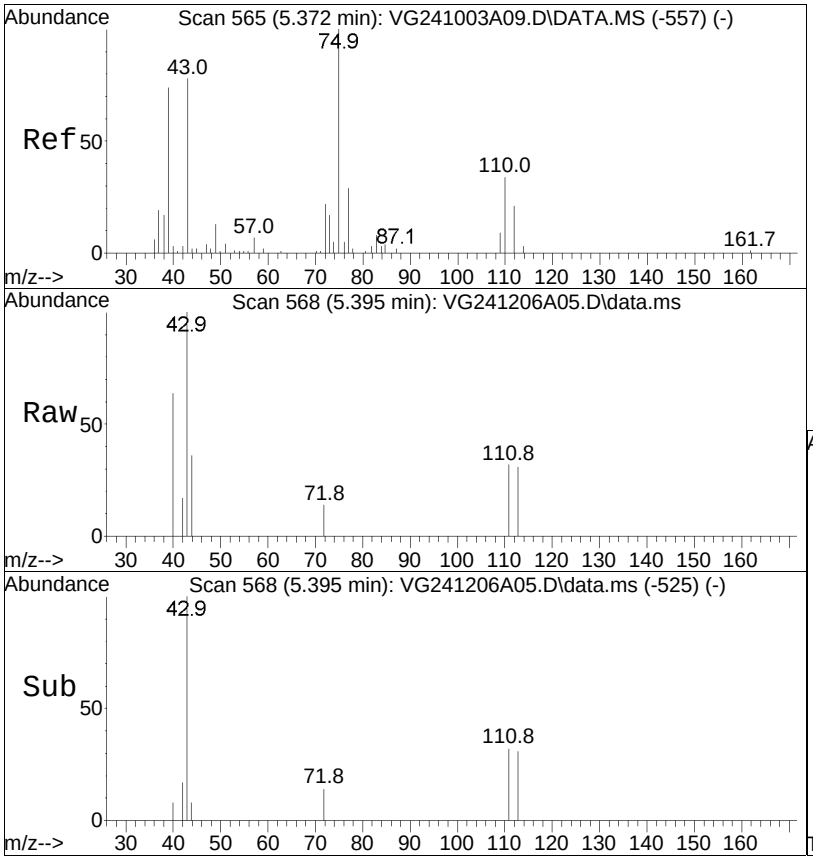


#5
Bromomethane
Concen: 0.08 ug/L
RT: 2.242 min Scan# 153
Delta R.T. 0.000 min
Lab File: VG241206A05.D
Acq: 6 Dec 2024 9:33 am

Tgt Ion: 94 Resp: 653

Ion	Ratio	Lower	Upper
94	100		
96	110.0	75.2	115.2

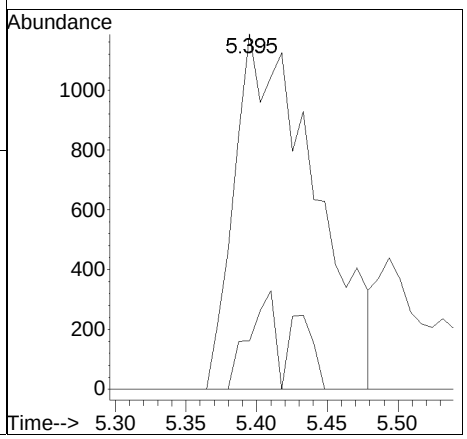


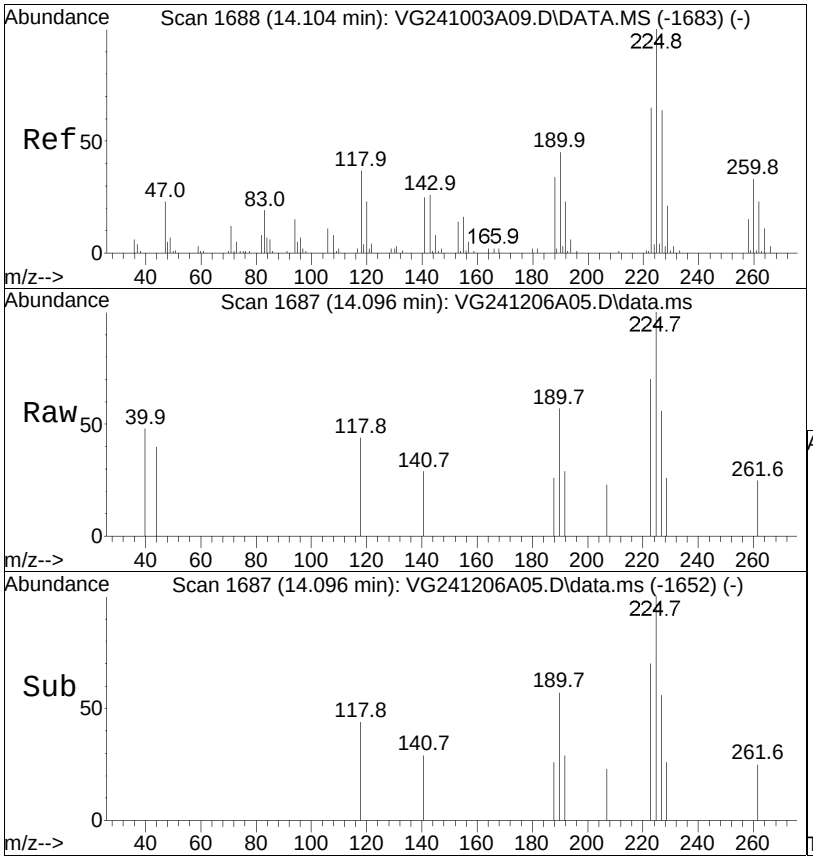


#39
2-Butanone
Concen: 0.90 ug/L
RT: 5.395 min Scan# 568
Delta R.T. 0.023 min
Lab File: VG241206A05.D
Acq: 6 Dec 2024 9:33 am

Tgt Ion: 43 Resp: 4703

Ion	Ratio	Lower	Upper
43	100		
72	8.9	42.6	63.8#

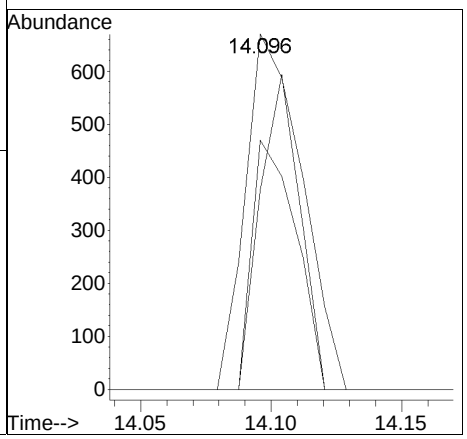


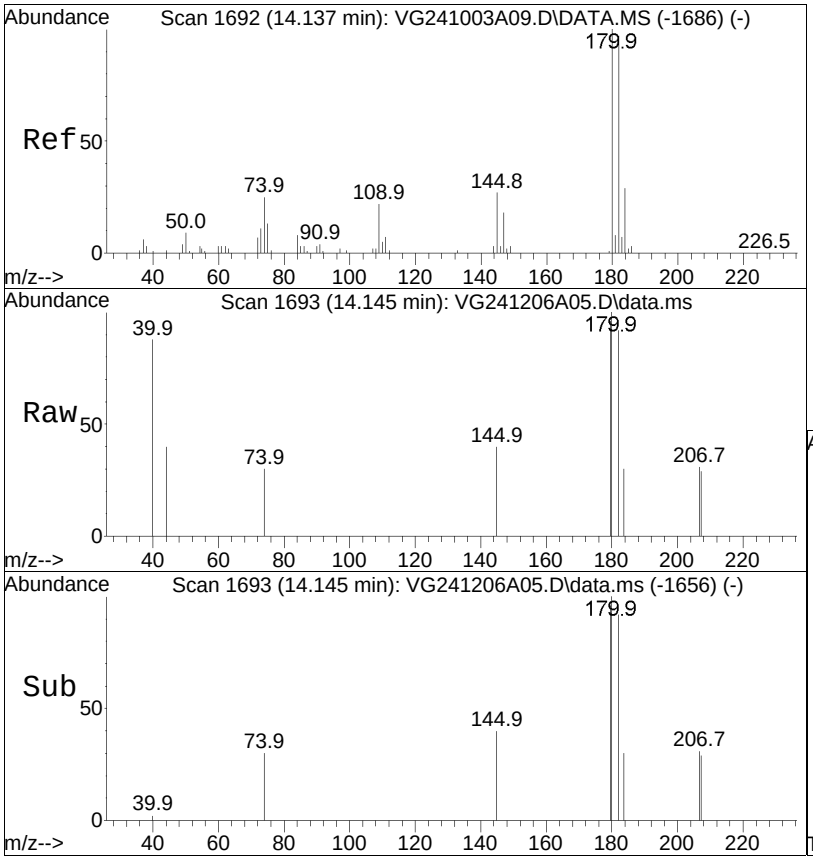


#108
Hexachlorobutadiene
Concen: 0.18 ug/L
RT: 14.096 min Scan# 1687
Delta R.T. -0.008 min
Lab File: VG241206A05.D
Acq: 6 Dec 2024 9:33 am

Tgt Ion:225 Resp: 1013

Ion	Ratio	Lower	Upper
225	100		
223	54.6	50.1	75.1
227	62.1	50.2	75.4

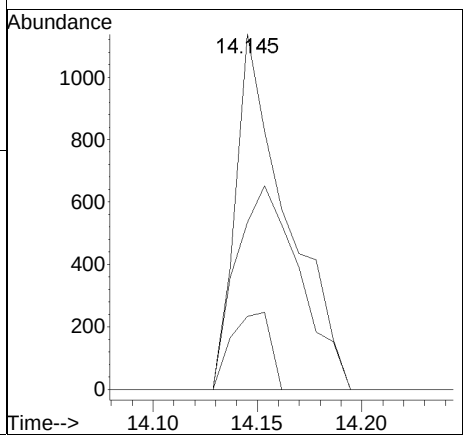


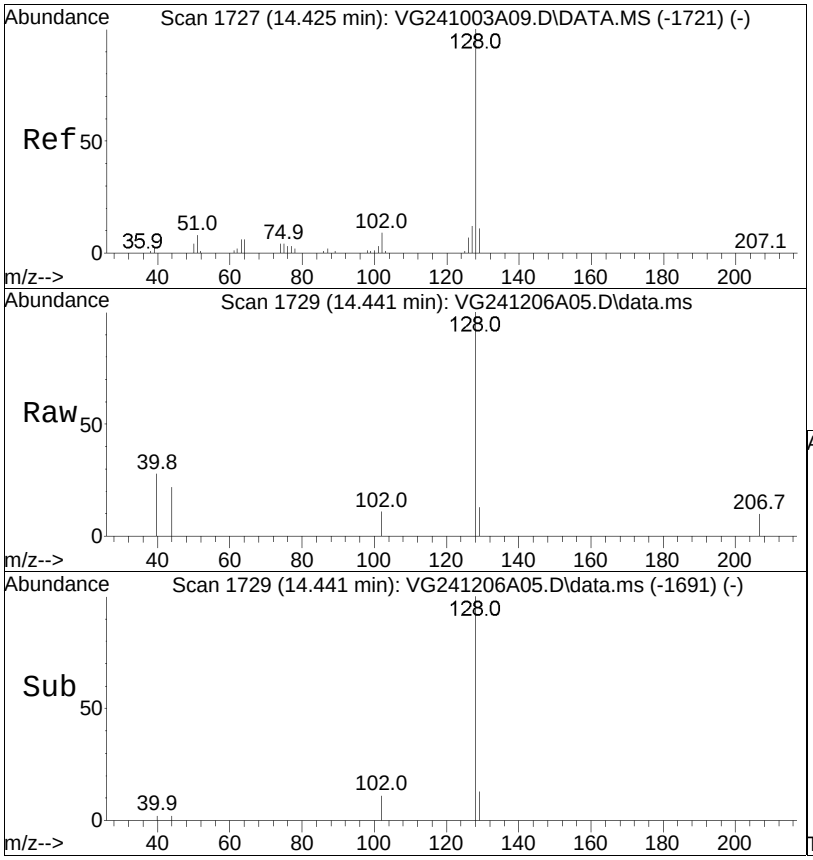


#109
1,2,4-Trichlorobenzene
Concen: 0.13 ug/L
RT: 14.145 min Scan# 1693
Delta R.T. 0.008 min
Lab File: VG241206A05.D
Acq: 6 Dec 2024 9:33 am

Tgt Ion:180 Resp: 1945

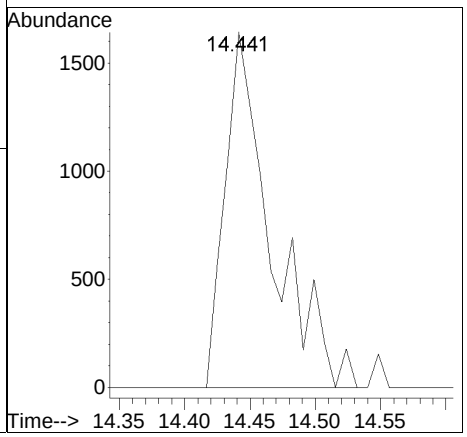
Ion	Ratio	Lower	Upper
180	100		
182	71.1	76.7	115.1#
145	16.4	26.5	39.7#

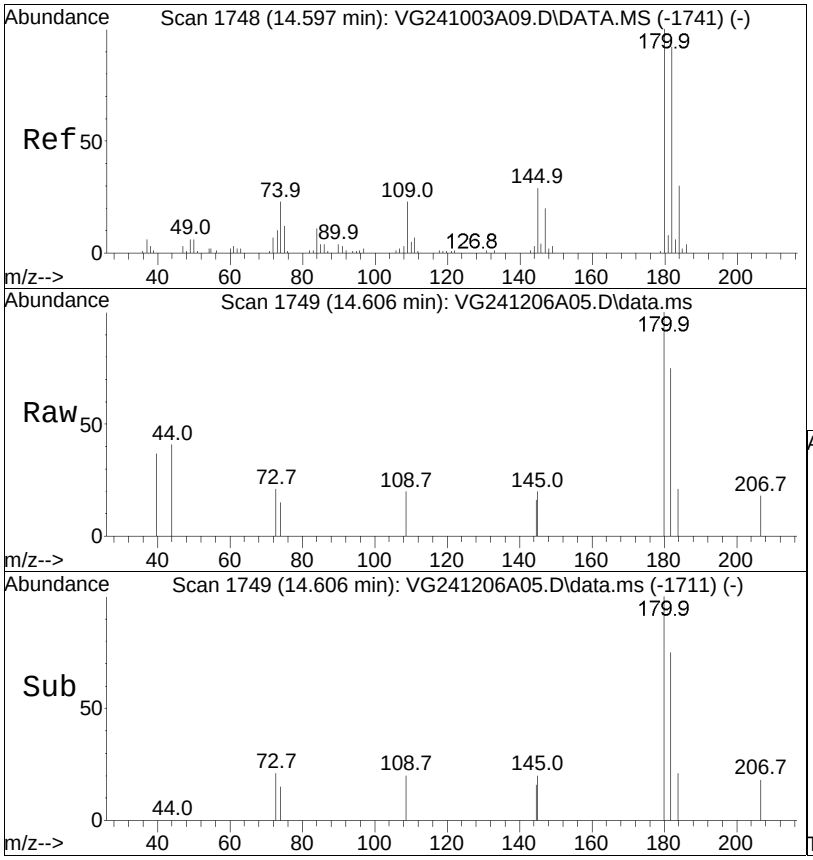




#110
Naphthalene
Concen: 0.13 ug/L
RT: 14.441 min Scan# 1729
Delta R.T. 0.016 min
Lab File: VG241206A05.D
Acq: 6 Dec 2024 9:33 am

Tgt Ion:128 Resp: 4074

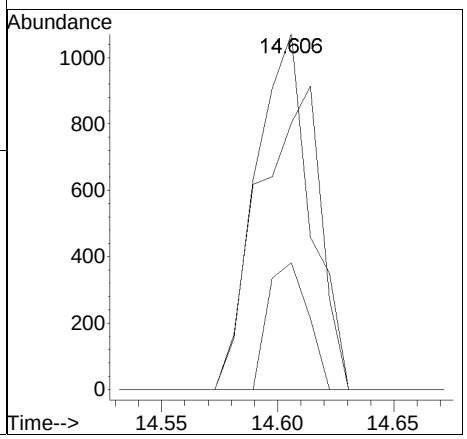




#111
1,2,3-Trichlorobenzene
Concen: 0.14 ug/L
RT: 14.606 min Scan# 1749
Delta R.T. 0.009 min
Lab File: VG241206A05.D
Acq: 6 Dec 2024 9:33 am

Tgt Ion:180 Resp: 1764

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.4
145	26.1	24.1	36.1



Manual Integration Report

Data Path	: K:\Gonzo\2024\241206A\	QMethod	: G_241003A_8260.m
Data File	: VG241206A05.D	Operator	: GONZO:PID
Date Inj'd	: 12/6/2024 9:33 am	Instrument	: Gonzo
Sample	: WG2006732-5,31,10,10	Quant Date	: 12/6/2024 9:58 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A05.D
Acq On : 7 Dec 2024 1:55 pm
Operator : GONZO:LAC
Sample : WG2006760-5,31,10,10
Misc : WG2006760,ICAL21571
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 14:28:19 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	462710	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 98.81%			
59) Chlorobenzene-d5	9.596	117	352601	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 97.13%			
79) 1,4-Dichlorobenzene-d4	12.286	152	205131	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 96.78%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.250	113	116281	10.078	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.78%			
43) 1,2-Dichloroethane-d4	5.775	65	135736	10.211	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.11%			
60) Toluene-d8	7.743	98	447473	9.596	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.96%			
83) 4-Bromofluorobenzene	11.085	95	167833	9.335	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.35%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.490	85	240	N.D.		
3) Chloromethane	1.885	50	489	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.234	94	420	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.032	76	1463	N.D.		
15) Methylene chloride	3.549	84	1511	0.154	ug/L	78
17) Acetone	3.602	43	99	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.817	96	69	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A05.D
Acq On : 7 Dec 2024 1:55 pm
Operator : GONZO:LAC
Sample : WG2006760-5,31,10,10
Misc : WG2006760,ICAL21571
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 14:28:19 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.			
37) 1,1,1-Trichloroethane	0.000		0	N.D.			
39) 2-Butanone	5.410	43	4921	1.273	ug/L	#	35
40) 1,1-Dichloropropene	0.000		0	N.D.			
41) Benzene	5.646	78	81	N.D.			
44) 1,2-Dichloroethane	0.000		0	N.D.	d		
48) Trichloroethene	0.000		0	N.D.	d		
50) Dibromomethane	0.000		0	N.D.			
51) 1,2-Dichloropropane	0.000		0	N.D.			
54) Bromodichloromethane	0.000		0	N.D.			
57) 1,4-Dioxane	0.000		0	N.D.			
58) cis-1,3-Dichloropropene	0.000		0	N.D.			
61) Toluene	0.000		0	N.D.			
62) 4-Methyl-2-pentanone	0.000		0	N.D.			
63) Tetrachloroethene	0.000		0	N.D.			
65) trans-1,3-Dichloropropene	0.000		0	N.D.			
68) 1,1,2-Trichloroethane	0.000		0	N.D.			
69) Chlorodibromomethane	0.000		0	N.D.			
70) 1,3-Dichloropropane	0.000		0	N.D.			
71) 1,2-Dibromoethane	0.000		0	N.D.			
72) 2-Hexanone	0.000		0	N.D.			
73) Chlorobenzene	9.612	112	430	N.D.			
74) Ethylbenzene	9.670	91	490	N.D.			
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
76) p/m Xylene	9.867	106	78	N.D.			
77) o Xylene	0.000		0	N.D.			
78) Styrene	10.517	104	331	N.D.			
80) Bromoform	0.000		0	N.D.			
82) Isopropylbenzene	10.764	105	202	N.D.			
84) Bromobenzene	11.200	156	89	N.D.			
85) n-Propylbenzene	11.266	91	1150	N.D.			
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
88) 4-Ethyltoluene	11.381	105	734	N.D.			
89) 2-Chlorotoluene	11.422	91	185	N.D.			
90) 1,3,5-Trimethylbenzene	11.463	105	780	N.D.			
91) 1,2,3-Trichloropropane	11.603	75	108	N.D.			
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
93) 4-Chlorotoluene	11.620	91	777	N.D.			
94) tert-Butylbenzene	11.801	119	559	N.D.			

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A05.D
Acq On : 7 Dec 2024 1:55 pm
Operator : GONZO:LAC
Sample : WG2006760-5,31,10,10
Misc : WG2006760,ICAL21571
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 14:28:19 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	1,2,4-Trimethylbenzene	11.899	105	666	N.D.			
98)	sec-Butylbenzene	11.998	105	1314	N.D.			
99)	p-Isopropyltoluene	12.146	119	1297	N.D.			
100)	1,3-Dichlorobenzene	12.228	146	777	N.D.			
101)	1,4-Dichlorobenzene	12.302	146	1310	N.D.			
102)	p-Diethylbenzene	12.525	119	819	N.D.			
103)	n-Butylbenzene	12.590	91	1610	N.D.			
104)	1,2-Dichlorobenzene	12.763	146	648	N.D.			
105)	1,2,4,5-Tetramethylben...	13.322	119	1665	N.D.			
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
108)	Hexachlorobutadiene	14.096	225	1019	0.234	ug/L		95
109)	1,2,4-Trichlorobenzene	14.145	180	1069	0.093	ug/L	#	84
110)	Naphthalene	14.441	128	3154	0.129	ug/L		100
111)	1,2,3-Trichlorobenzene	14.598	180	1357	0.141	ug/L	#	87

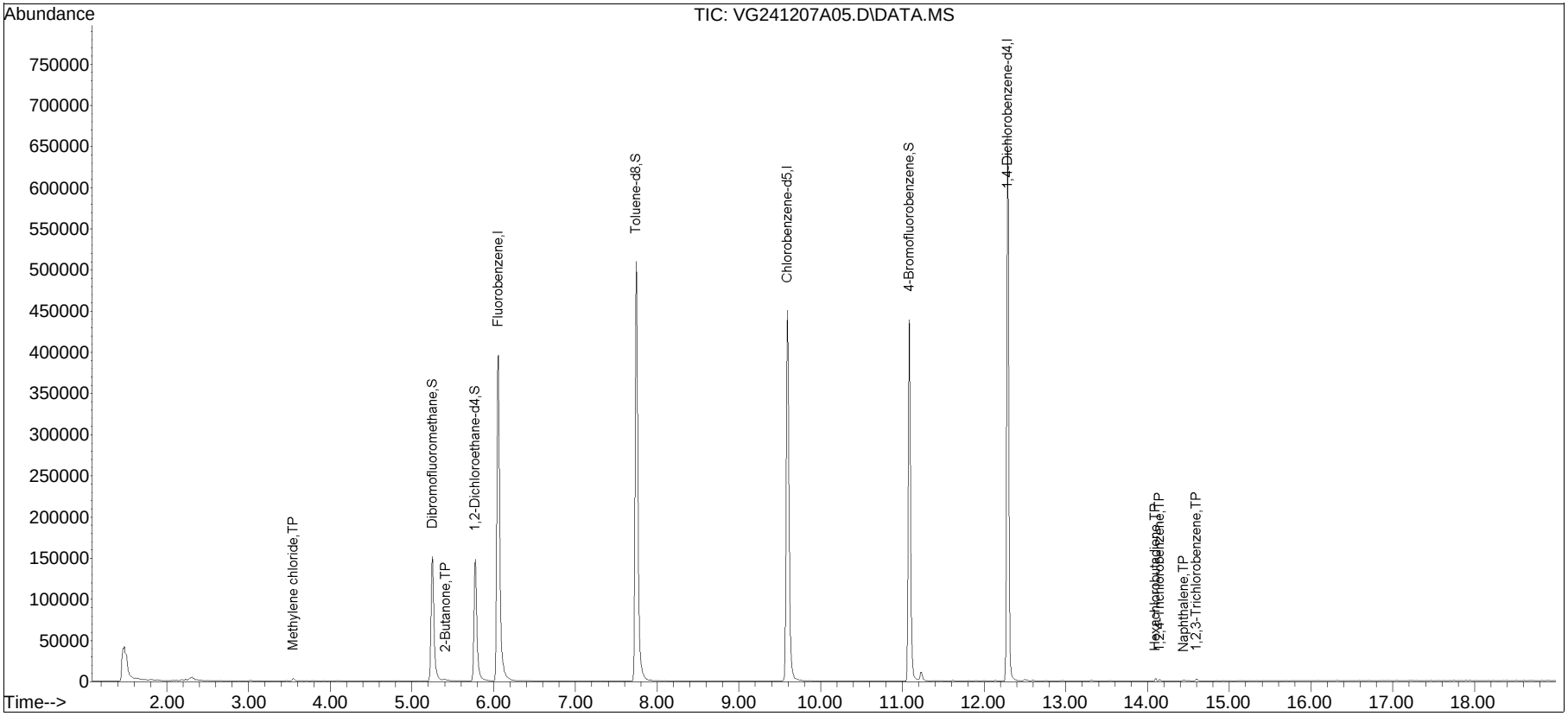
(#) = qualifier out of range (m) = manual integration (+) = signals summed

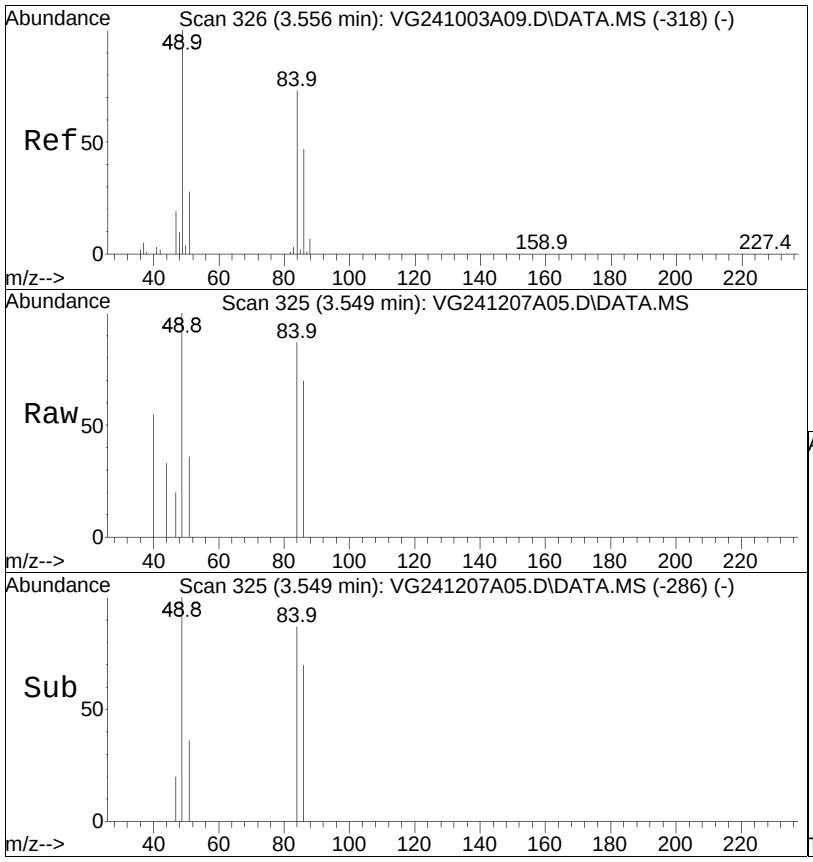
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A05.D
Acq On : 7 Dec 2024 1:55 pm
Operator : GONZO:LAC
Sample : WG2006760-5,31,10,10
Misc : WG2006760,ICAL21571
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 14:28:19 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

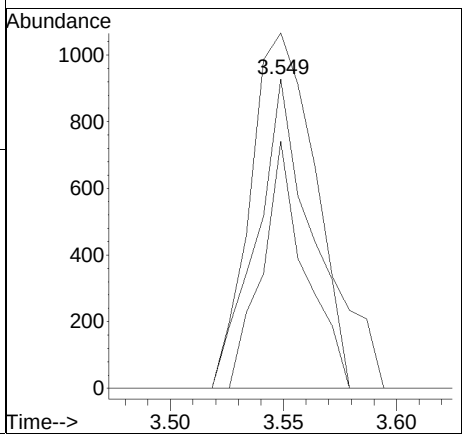


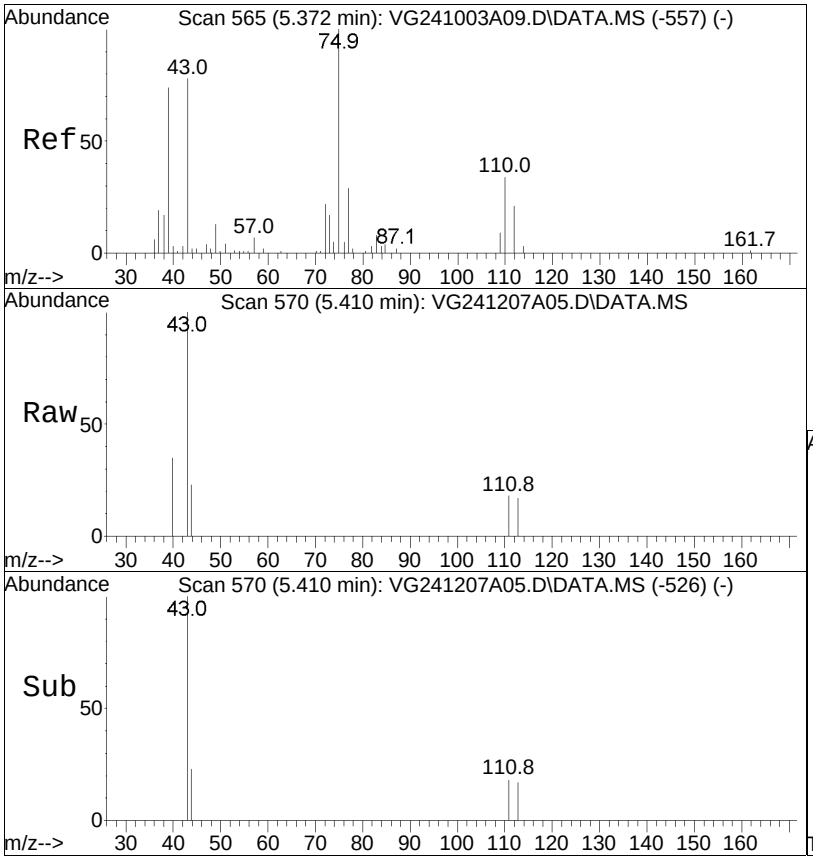


#15
Methylene chloride
Concen: 0.15 ug/L
RT: 3.549 min Scan# 325
Delta R.T. -0.007 min
Lab File: VG241207A05.D
Acq: 7 Dec 2024 1:55 pm

Tgt Ion: 84 Resp: 1511

Ion	Ratio	Lower	Upper
84	100		
86	65.5	41.1	85.5
49	152.6	76.2	158.2

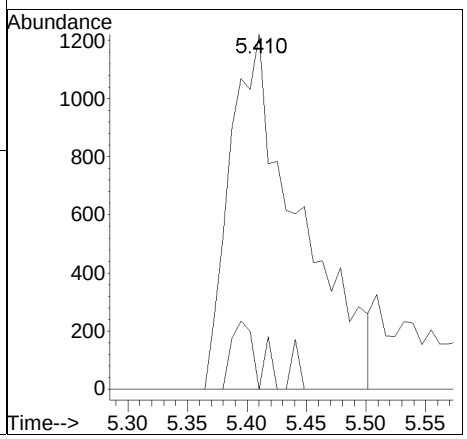


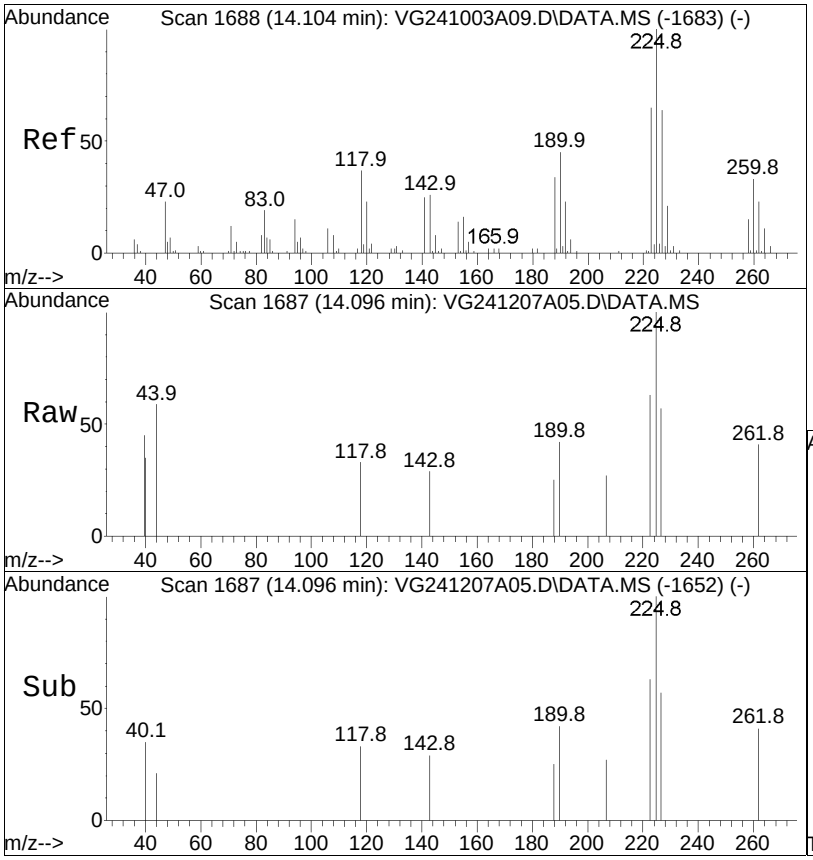


#39
2-Butanone
Concen: 1.27 ug/L
RT: 5.410 min Scan# 570
Delta R.T. 0.038 min
Lab File: VG241207A05.D
Acq: 7 Dec 2024 1:55 pm

Tgt Ion: 43 Resp: 4921

Ion	Ratio	Lower	Upper
43	100		
72	7.3	42.6	63.8#

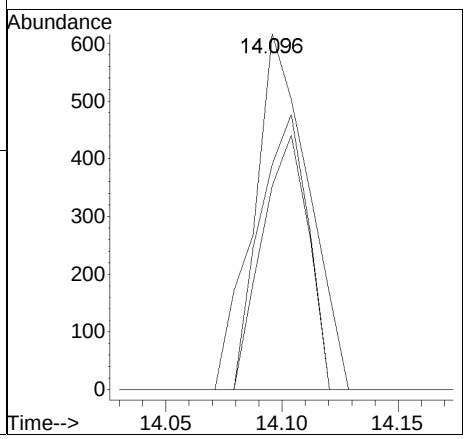


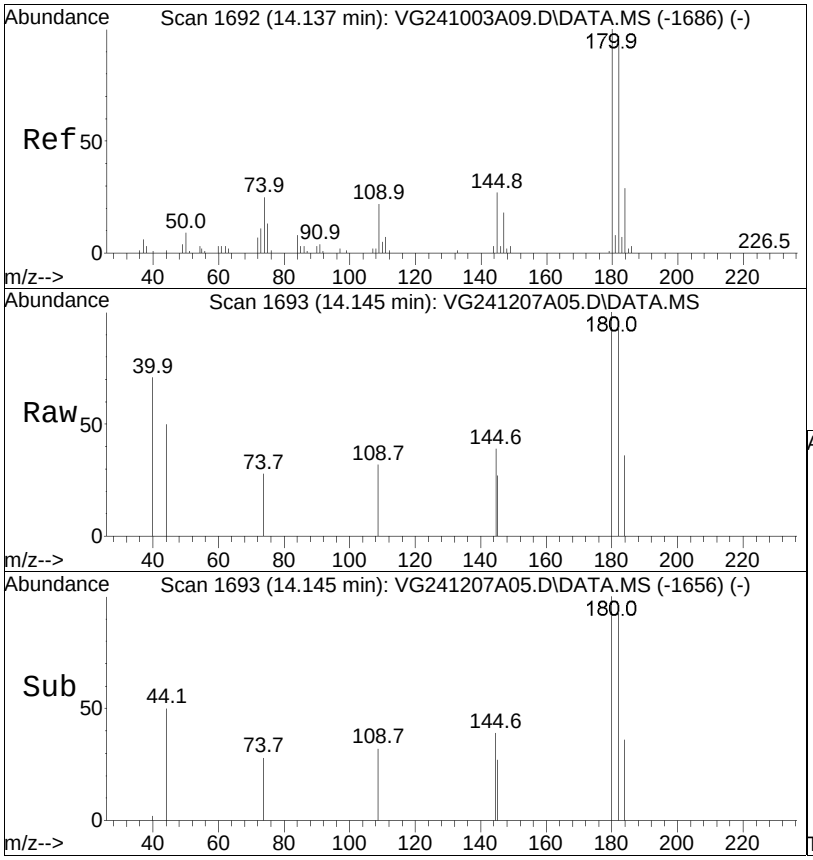


#108
Hexachlorobutadiene
Concen: 0.23 ug/L
RT: 14.096 min Scan# 1687
Delta R.T. -0.008 min
Lab File: VG241207A05.D
Acq: 7 Dec 2024 1:55 pm

Tgt Ion:225 Resp: 1019

Ion	Ratio	Lower	Upper
225	100		
223	67.0	50.1	75.1
227	60.2	50.2	75.4

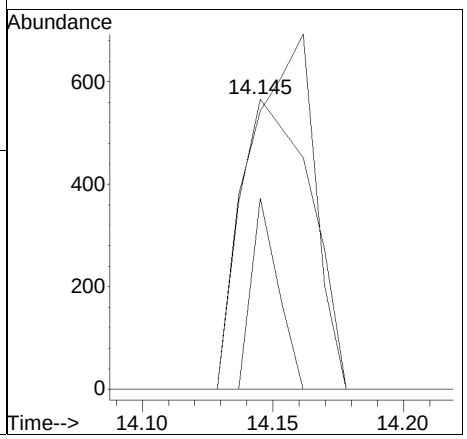


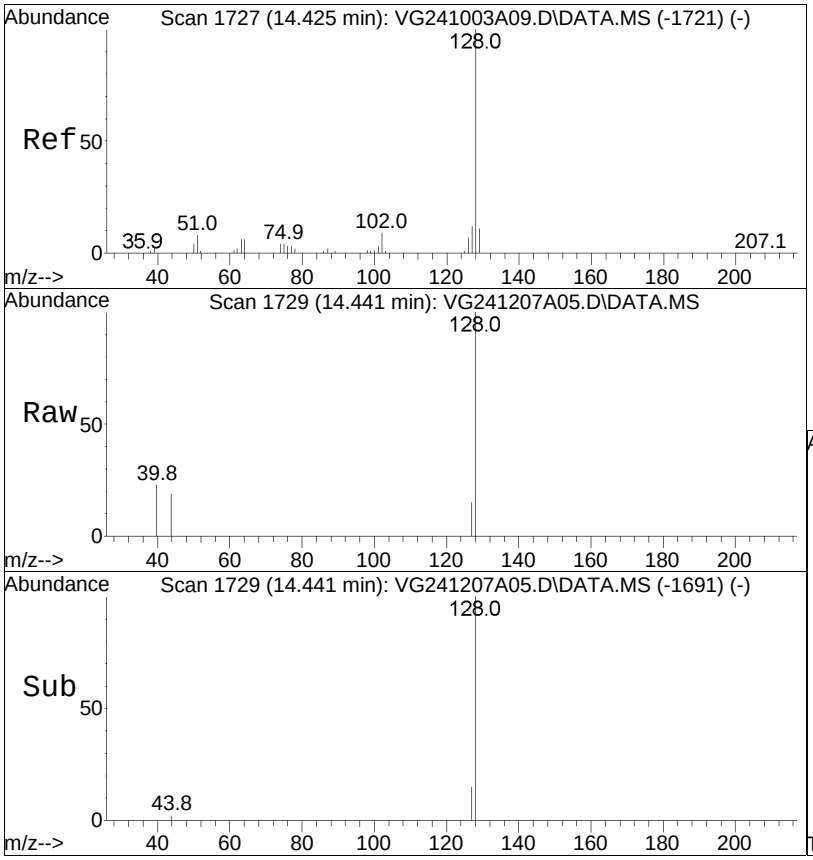


#109
1,2,4-Trichlorobenzene
Concen: 0.09 ug/L
RT: 14.145 min Scan# 1693
Delta R.T. 0.008 min
Lab File: VG241207A05.D
Acq: 7 Dec 2024 1:55 pm

Tgt Ion:180 Resp: 1069

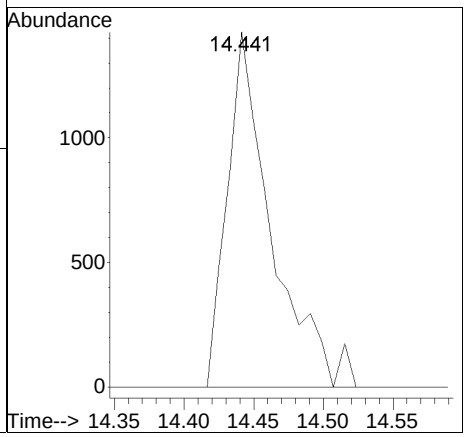
Ion	Ratio	Lower	Upper
180	100		
182	112.1	76.7	115.1
145	25.1	26.5	39.7#

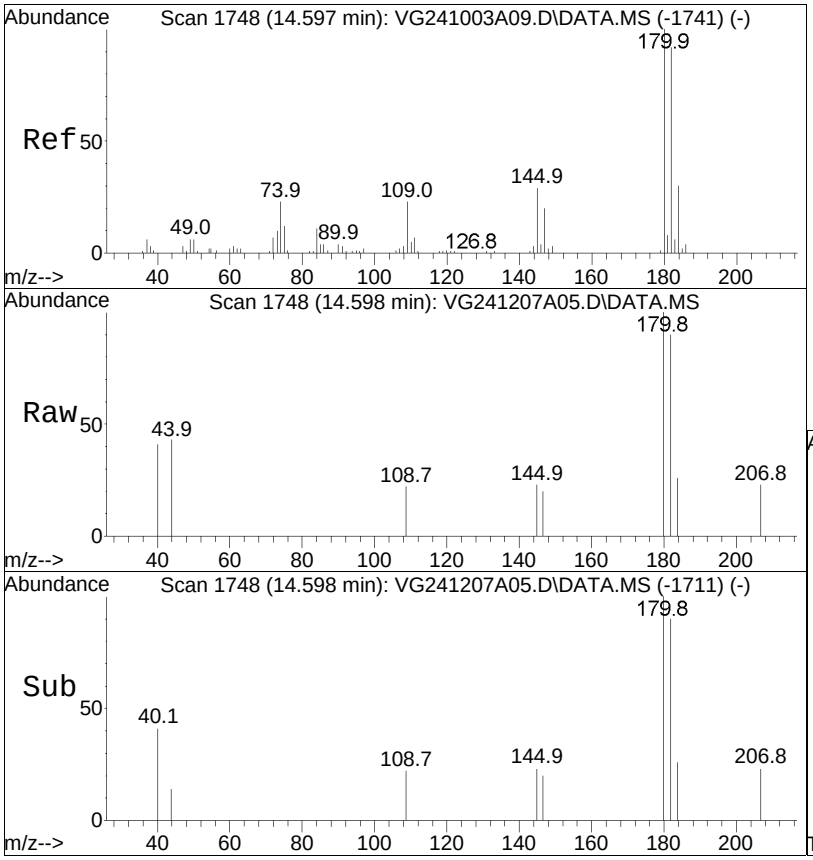




#110
Naphthalene
Concen: 0.13 ug/L
RT: 14.441 min Scan# 1729
Delta R.T. 0.016 min
Lab File: VG241207A05.D
Acq: 7 Dec 2024 1:55 pm

Tgt Ion:128 Resp: 3154

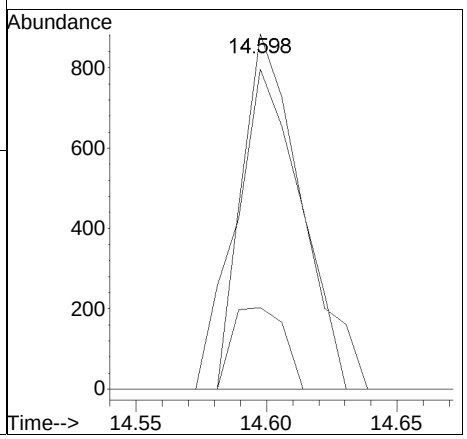




#111
1,2,3-Trichlorobenzene
Concen: 0.14 ug/L
RT: 14.598 min Scan# 1748
Delta R.T. 0.001 min
Lab File: VG241207A05.D
Acq: 7 Dec 2024 1:55 pm

Tgt Ion:180 Resp: 1357

Ion	Ratio	Lower	Upper
180	100		
182	107.1	77.0	115.4
145	20.6	24.1	36.1#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A05.D	Operator	: GONZO:LAC
Date Inj'd	: 12/7/2024 1:55 pm	Instrument	: Gonzo
Sample	: WG2006760-5,31,10,10	Quant Date	: 12/7/2024 2:28 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A05.D
Acq On : 7 Dec 2024 1:55 pm
Operator : GONZO:LAC
Sample : WG2006732-12,31,10,10
Misc : WG2006732,ICAL21571
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 14:28:19 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	462710	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 98.81%			
59) Chlorobenzene-d5	9.596	117	352601	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 97.13%			
79) 1,4-Dichlorobenzene-d4	12.286	152	205131	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 96.78%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.250	113	116281	10.078	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.78%			
43) 1,2-Dichloroethane-d4	5.775	65	135736	10.211	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.11%			
60) Toluene-d8	7.743	98	447473	9.596	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.96%			
83) 4-Bromofluorobenzene	11.085	95	167833	9.335	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.35%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.490	85	240	N.D.		
3) Chloromethane	1.885	50	489	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.234	94	420	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.032	76	1463	N.D.		
12) Freon-113	0.000		0	N.D.		
14) Acrolein	0.000		0	N.D.		
15) Methylene chloride	3.549	84	1511	0.154	ug/L	78
17) Acetone	3.602	43	99	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.678	43	115	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
21) tert-Butyl alcohol	0.000		0	N.D.		
22) Diisopropyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
24) Halothane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A05.D
Acq On : 7 Dec 2024 1:55 pm
Operator : GONZO:LAC
Sample : WG2006732-12,31,10,10
Misc : WG2006732,ICAL21571
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 14:28:19 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Ethyl tert-butyl ether	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.817	96	69	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		
33) Ethyl acetate	0.000		0	N.D. d		
34) Carbon tetrachloride	0.000		0	N.D.		
35) Tetrahydrofuran	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.410	43	4921	1.273	ug/L #	35
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	5.646	78	81	N.D.		
42) tert-Amyl methyl ether	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D. d		
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D. d		
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
67) Ethyl methacrylate	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	9.612	112	430	N.D.		
74) Ethylbenzene	9.670	91	490	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	9.867	106	78	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	10.517	104	331	N.D.		
80) Bromoform	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A05.D
Acq On : 7 Dec 2024 1:55 pm
Operator : GONZO:LAC
Sample : WG2006732-12,31,10,10
Misc : WG2006732,ICAL21571
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 14:28:19 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Isopropylbenzene	10.764	105	202	N.D.		
84) Bromobenzene	11.200	156	89	N.D.		
85) n-Propylbenzene	11.266	91	1150	N.D.		
86) 1,4-Dichlorobutane	11.282	55	75	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	11.381	105	734	N.D.		
89) 2-Chlorotoluene	11.422	91	185	N.D.		
90) 1,3,5-Trimethylbenzene	11.463	105	780	N.D.		
91) 1,2,3-Trichloropropane	11.603	75	108	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	11.620	91	777	N.D.		
94) tert-Butylbenzene	11.801	119	559	N.D.		
97) 1,2,4-Trimethylbenzene	11.899	105	666	N.D.		
98) sec-Butylbenzene	11.998	105	1314	N.D.		
99) p-Isopropyltoluene	12.146	119	1297	N.D.		
100) 1,3-Dichlorobenzene	12.228	146	777	N.D.		
101) 1,4-Dichlorobenzene	12.302	146	1310	N.D.		
102) p-Diethylbenzene	12.525	119	819	N.D.		
103) n-Butylbenzene	12.590	91	1610	N.D.		
104) 1,2-Dichlorobenzene	12.763	146	648	N.D.		
105) 1,2,4,5-Tetramethylben...	13.322	119	1665	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
107) 1,3,5-Trichlorobenzene	13.545	180	440	N.D.		
108) Hexachlorobutadiene	14.096	225	1019	0.234	ug/L	95
109) 1,2,4-Trichlorobenzene	14.145	180	1069	0.093	ug/L #	84
110) Naphthalene	14.441	128	3154	0.129	ug/L	100
111) 1,2,3-Trichlorobenzene	14.598	180	1357	0.141	ug/L #	87

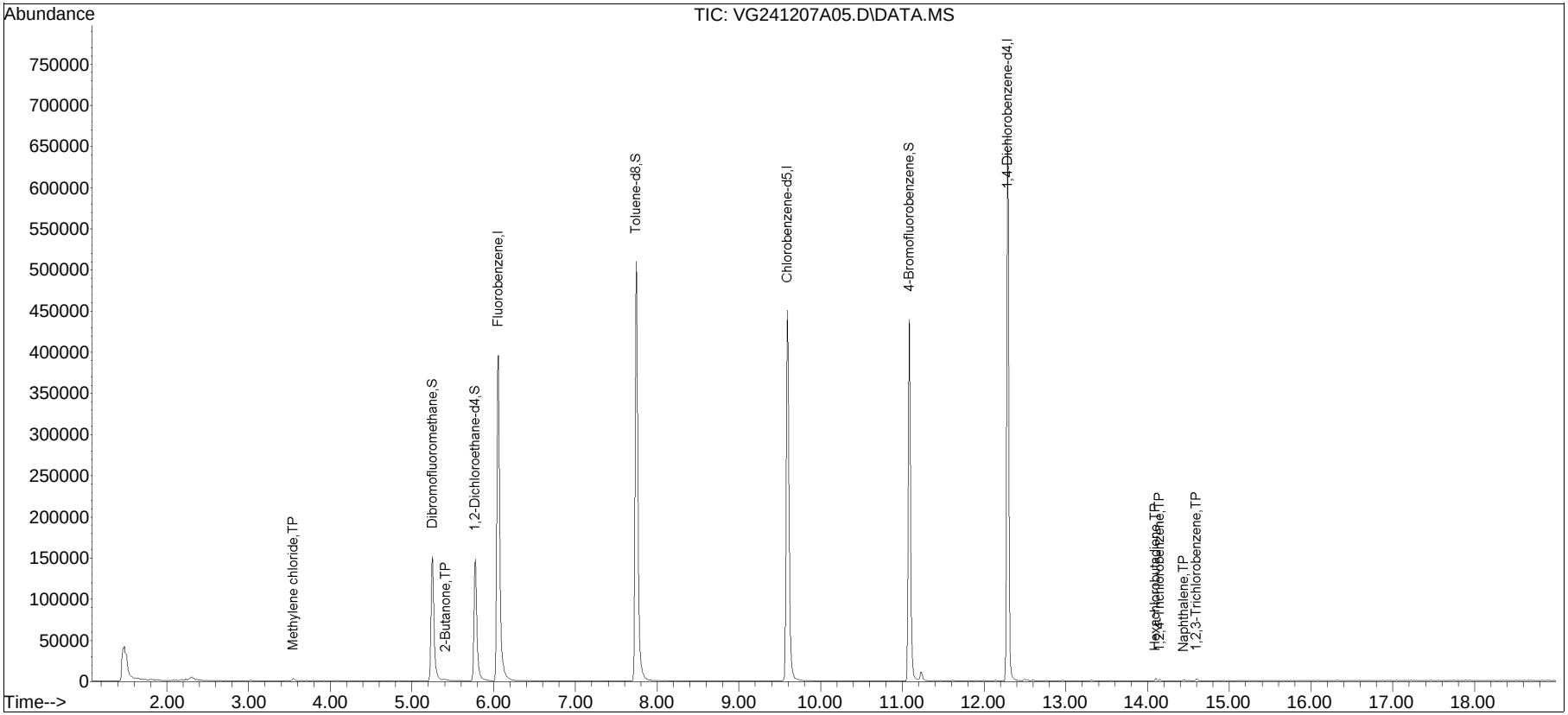
(#) = qualifier out of range (m) = manual integration (+) = signals summed

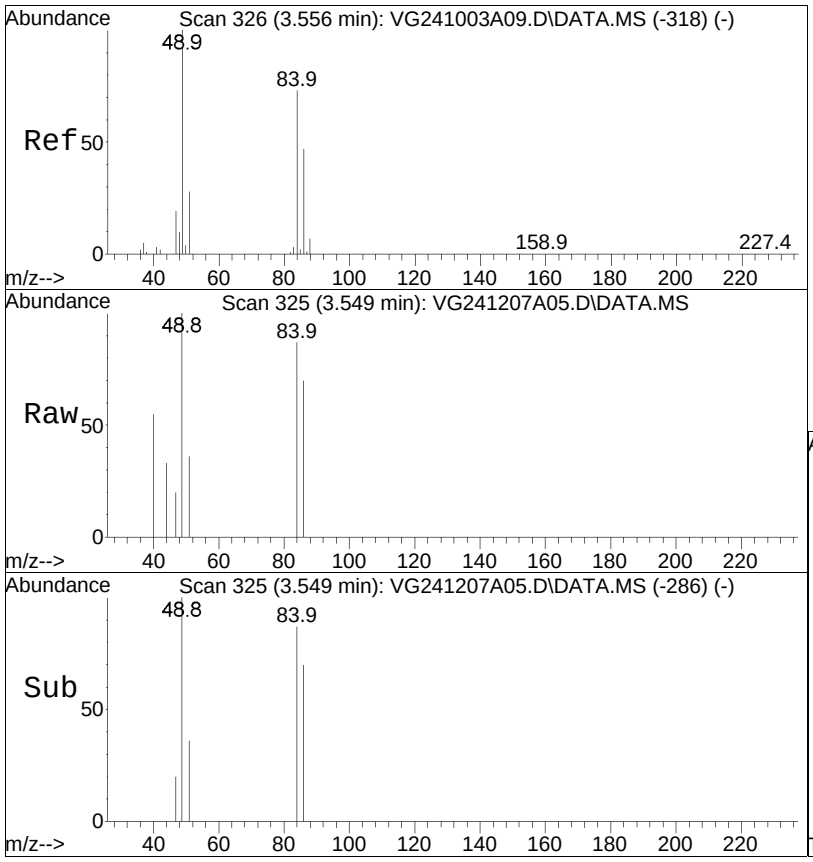
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A05.D
Acq On : 7 Dec 2024 1:55 pm
Operator : GONZO:LAC
Sample : WG2006732-12,31,10,10
Misc : WG2006732,ICAL21571
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 14:28:19 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

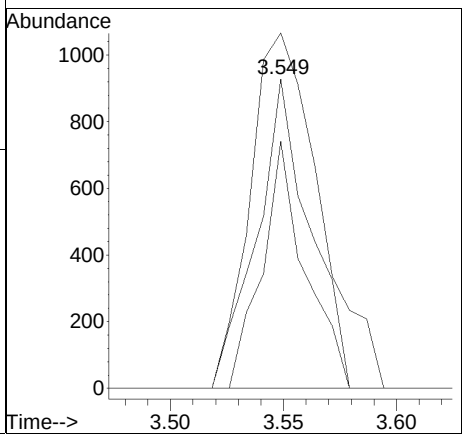


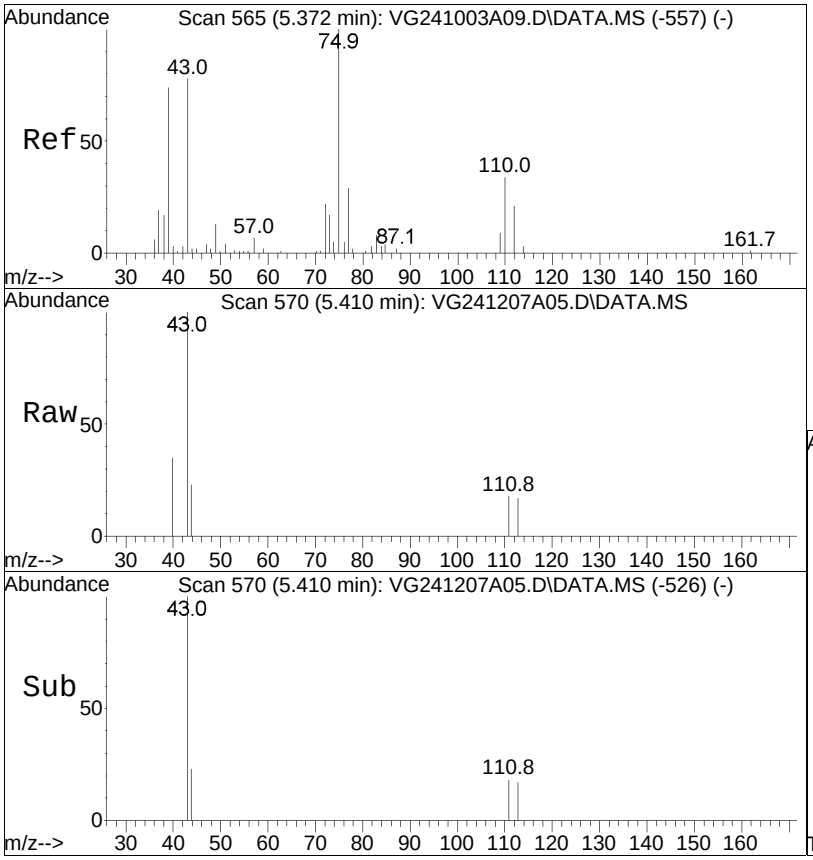


#15
Methylene chloride
Concen: 0.15 ug/L
RT: 3.549 min Scan# 325
Delta R.T. -0.007 min
Lab File: VG241207A05.D
Acq: 7 Dec 2024 1:55 pm

Tgt Ion: 84 Resp: 1511

Ion	Ratio	Lower	Upper
84	100		
86	65.5	41.1	85.5
49	152.6	76.2	158.2

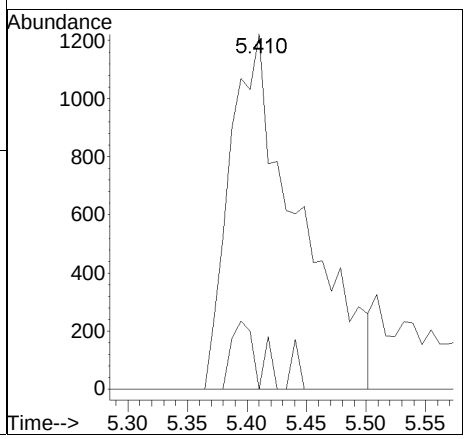


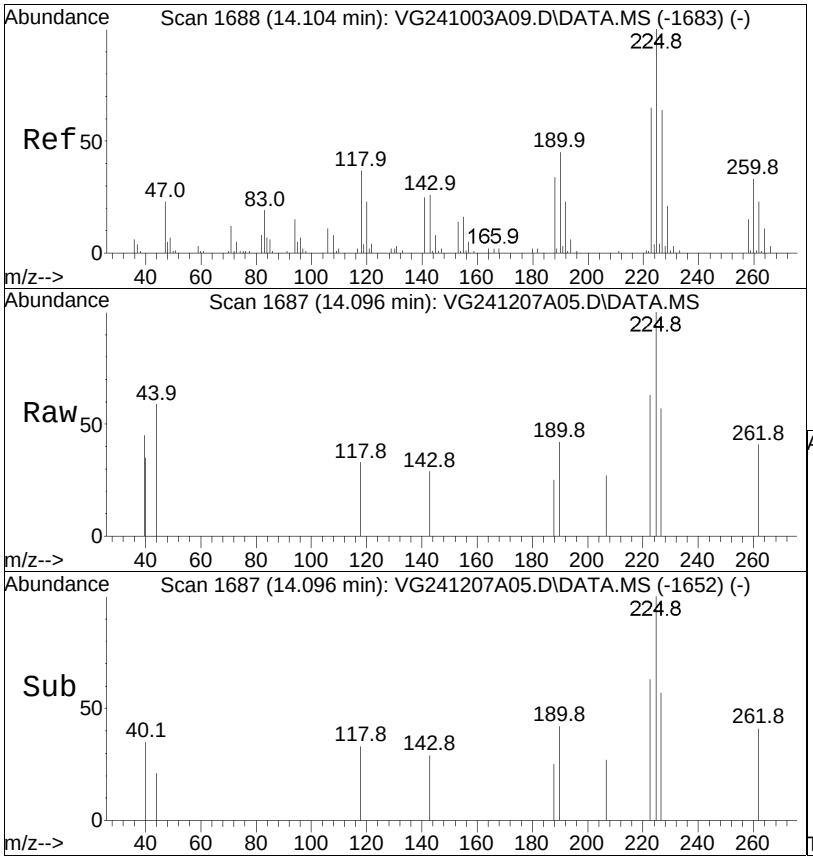


#39
2-Butanone
Concen: 1.27 ug/L
RT: 5.410 min Scan# 570
Delta R.T. 0.038 min
Lab File: VG241207A05.D
Acq: 7 Dec 2024 1:55 pm

Tgt Ion: 43 Resp: 4921

Ion	Ratio	Lower	Upper
43	100		
72	7.3	42.6	63.8#

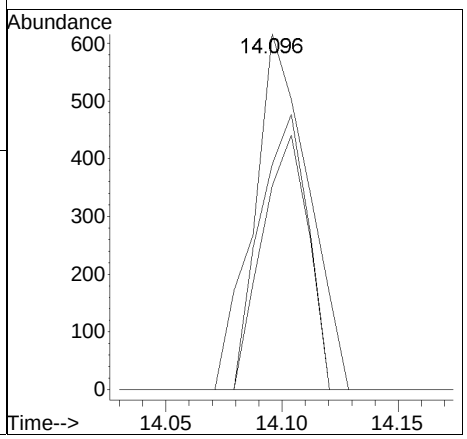


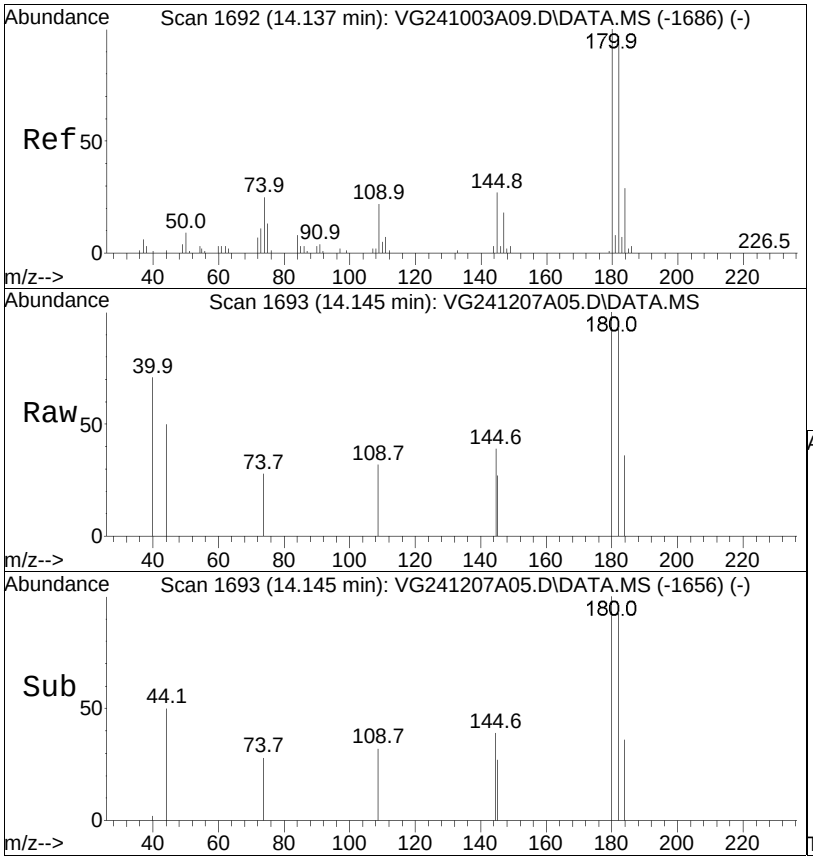


#108
Hexachlorobutadiene
Concen: 0.23 ug/L
RT: 14.096 min Scan# 1687
Delta R.T. -0.008 min
Lab File: VG241207A05.D
Acq: 7 Dec 2024 1:55 pm

Tgt Ion:225 Resp: 1019

Ion	Ratio	Lower	Upper
225	100		
223	67.0	50.1	75.1
227	60.2	50.2	75.4

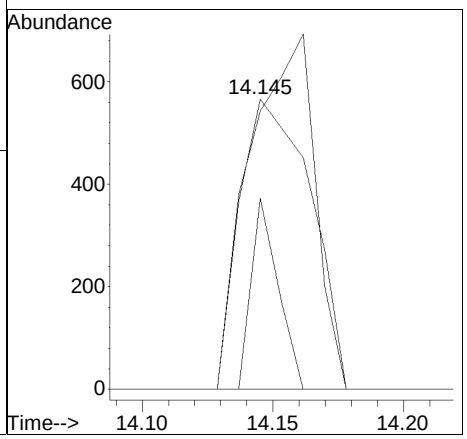


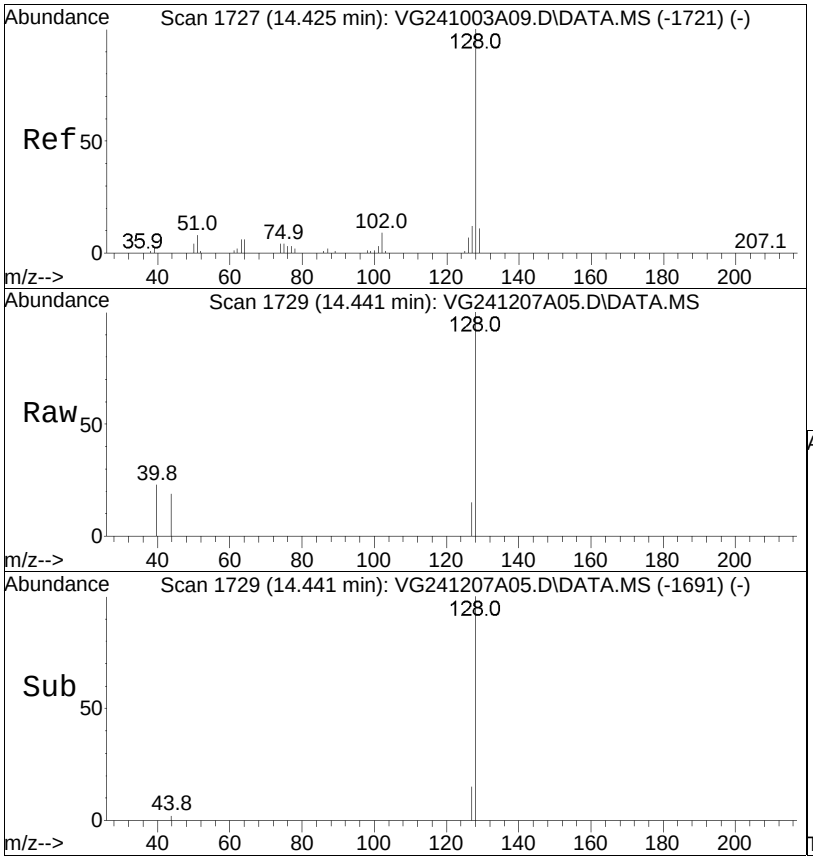


#109
1,2,4-Trichlorobenzene
Concen: 0.09 ug/L
RT: 14.145 min Scan# 1693
Delta R.T. 0.008 min
Lab File: VG241207A05.D
Acq: 7 Dec 2024 1:55 pm

Tgt Ion:180 Resp: 1069

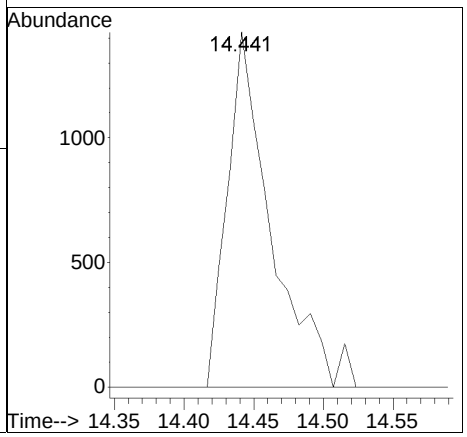
Ion	Ratio	Lower	Upper
180	100		
182	112.1	76.7	115.1
145	25.1	26.5	39.7#

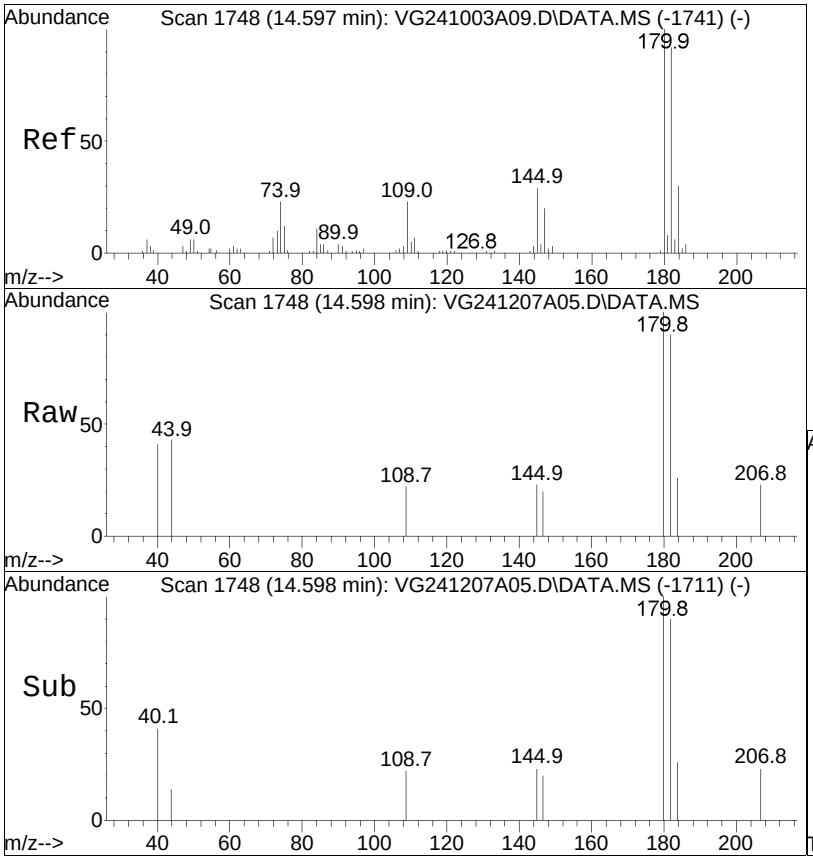




#110
Naphthalene
Concen: 0.13 ug/L
RT: 14.441 min Scan# 1729
Delta R.T. 0.016 min
Lab File: VG241207A05.D
Acq: 7 Dec 2024 1:55 pm

Tgt Ion:128 Resp: 3154

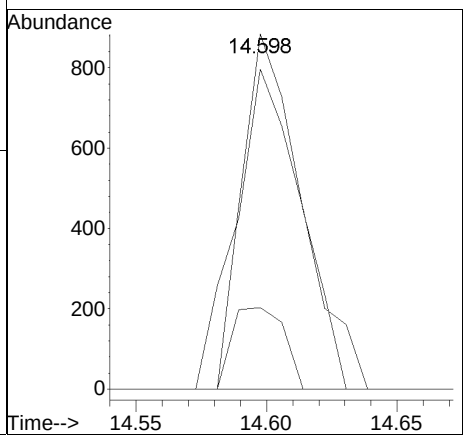




#111
1,2,3-Trichlorobenzene
Concen: 0.14 ug/L
RT: 14.598 min Scan# 1748
Delta R.T. 0.001 min
Lab File: VG241207A05.D
Acq: 7 Dec 2024 1:55 pm

Tgt Ion:180 Resp: 1357

Ion	Ratio	Lower	Upper
180	100		
182	107.1	77.0	115.4
145	20.6	24.1	36.1#



Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A05.D	Operator	: GONZO:LAC
Date Inj'd	: 12/7/2024 1:55 pm	Instrument	: Gonzo
Sample	: WG2006732-12,31,10,10	Quant Date	: 12/7/2024 2:28 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Acq On : 6 Dec 2024 8:22 am
Operator : GONZO:PID
Sample : WG2006732-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 09:48:48 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	642438	10.000	ug/L	0.00
Standard Area 1 = 642438			Recovery = 100.00%			
59) Chlorobenzene-d5	9.596	117	490245	10.000	ug/L	0.00
Standard Area 1 = 490245			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.286	152	271382	10.000	ug/L	0.00
Standard Area 1 = 271382			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.250	113	157988	9.862	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.62%			
43) 1,2-Dichloroethane-d4	5.775	65	178987	9.697	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.97%			
60) Toluene-d8	7.743	98	631890	9.746	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.46%			
83) 4-Bromofluorobenzene	11.085	95	231256	9.723	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.23%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.657	85	104193	7.634	ug/L	99
3) Chloromethane	1.870	50	134682	9.102	ug/L	98
4) Vinyl chloride	1.923	62	120691	8.184	ug/L	98
5) Bromomethane	2.234	94	31212	3.671	ug/L	100
6) Chloroethane	2.333	64	59009	7.006	ug/L	91
7) Trichlorofluoromethane	2.485	101	142278	7.236	ug/L	93
8) Ethyl ether	2.789	74	59163	8.266	ug/L	76
10) 1,1-Dichloroethene	2.986	96	100592	8.880	ug/L	86
11) Carbon disulfide	3.017	76	311269	9.045	ug/L	99
15) Methylene chloride	3.549	84	121105	8.892	ug/L	76
17) Acetone	3.594	43	28560M4	8.113	ug/L	
18) trans-1,2-Dichloroethene	3.701	96	115349	9.394	ug/L	86
20) Methyl tert-butyl ether	3.784	73	316279	7.616	ug/L	89
23) 1,1-Dichloroethane	4.278	63	236195	9.931	ug/L	98
25) Acrylonitrile	4.339	53	38695	8.812	ug/L #	91
27) Vinyl acetate	4.514	43	298890	8.967	ug/L	97
28) cis-1,2-Dichloroethene	4.802	96	134835	9.485	ug/L	93
29) 2,2-Dichloropropane	4.901	77	171311	10.835	ug/L	98
30) Bromochloromethane	5.000	128	62448	9.655	ug/L #	78
32) Chloroform	5.068	83	207896	9.029	ug/L	99

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Acq On : 6 Dec 2024 8:22 am
Operator : GONZO:PID
Sample : WG2006732-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 09:48:48 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.197	117	161357	9.193	ug/L		97
37) 1,1,1-Trichloroethane	5.266	97	182595	8.990	ug/L		97
39) 2-Butanone	5.372	43	57952	10.795	ug/L	#	68
40) 1,1-Dichloropropene	5.387	75	157045	9.215	ug/L		98
41) Benzene	5.630	78	509865	9.623	ug/L	#	93
44) 1,2-Dichloroethane	5.843	62	160829	8.961	ug/L		99
48) Trichloroethene	6.230	95	127660	8.976	ug/L		99
50) Dibromomethane	6.679	93	72222	8.922	ug/L		96
51) 1,2-Dichloropropane	6.777	63	139522	10.151	ug/L		96
54) Bromodichloromethane	6.853	83	163317	8.807	ug/L		100
57) 1,4-Dioxane	7.063	88	52143	377.421	ug/L	#	80
58) cis-1,3-Dichloropropene	7.543	75	200251	9.531	ug/L		97
61) Toluene	7.801	92	318178	9.326	ug/L		99
62) 4-Methyl-2-pentanone	8.237	58	40054	8.382	ug/L	#	91
63) Tetrachloroethene	8.252	166	141718	9.603	ug/L		96
65) trans-1,3-Dichloropropene	8.295	75	172516	8.674	ug/L		96
68) 1,1,2-Trichloroethane	8.481	83	84688	8.161	ug/L		97
69) Chlorodibromomethane	8.689	129	127735	8.899	ug/L		99
70) 1,3-Dichloropropane	8.803	76	181428	8.806	ug/L		100
71) 1,2-Dibromoethane	8.968	107	103013	8.389	ug/L		100
72) 2-Hexanone	9.255	43	70633	8.262	ug/L		95
73) Chlorobenzene	9.612	112	358596	9.782	ug/L		99
74) Ethylbenzene	9.645	91	590793	9.011	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.695	131	122958	8.751	ug/L		98
76) p/m Xylene	9.834	106	455204	18.250	ug/L		96
77) o Xylene	10.369	106	446173	18.471	ug/L		95
78) Styrene	10.443	104	743921	18.095	ug/L		98
80) Bromoform	10.476	173	85496	8.765	ug/L		98
82) Isopropylbenzene	10.756	105	543695	9.063	ug/L		99
84) Bromobenzene	11.192	156	166041	10.225	ug/L		99
85) n-Propylbenzene	11.233	91	637328	9.123	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.332	83	130105	8.567	ug/L		99
88) 4-Ethyltoluene	11.356	105	526098	9.198	ug/L		100
89) 2-Chlorotoluene	11.397	91	403451M6	9.469	ug/L		
90) 1,3,5-Trimethylbenzene	11.455	105	459963	9.082	ug/L		100
91) 1,2,3-Trichloropropane	11.463	75	102354	8.251	ug/L		100
92) trans-1,4-Dichloro-2-b...	11.521	53	34199	6.836	ug/L	#	91
93) 4-Chlorotoluene	11.587	91	417439	9.308	ug/L		99
94) tert-Butylbenzene	11.792	119	382279	9.570	ug/L		99

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Acq On : 6 Dec 2024 8:22 am
Operator : GONZO:PID
Sample : WG2006732-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 09:48:48 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.875	105	447539	9.056	ug/L	99
98)	sec-Butylbenzene	11.981	105	508343	8.823	ug/L	99
99)	p-Isopropyltoluene	12.138	119	459209	9.398	ug/L	99
100)	1,3-Dichlorobenzene	12.212	146	289070	9.773	ug/L	100
101)	1,4-Dichlorobenzene	12.302	146	297494	9.683	ug/L	99
102)	p-Diethylbenzene	12.508	119	256654	9.363	ug/L	97
103)	n-Butylbenzene	12.566	91	335333	8.523	ug/L	99
104)	1,2-Dichlorobenzene	12.722	146	277023	9.714	ug/L	98
105)	1,2,4,5-Tetramethylben...	13.298	119	376034	9.753	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.503	155	20907	8.263	ug/L	95
108)	Hexachlorobutadiene	14.096	225	61957	10.753	ug/L	99
109)	1,2,4-Trichlorobenzene	14.129	180	155508	10.212	ug/L	98
110)	Naphthalene	14.425	128	274984	8.527	ug/L	100
111)	1,2,3-Trichlorobenzene	14.589	180	119306	9.365	ug/L	98

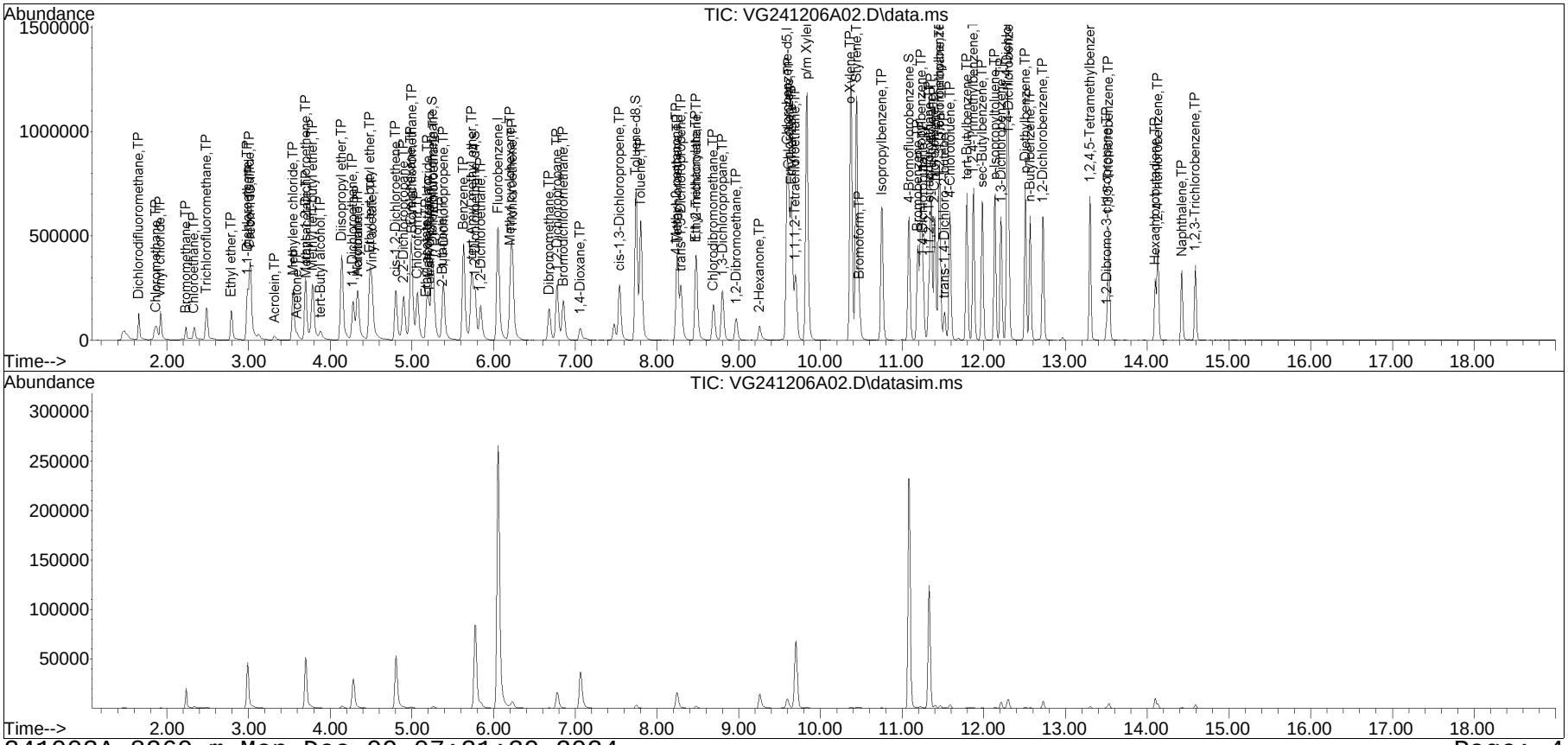
(#) = qualifier out of range (m) = manual integration (+) = signals summed

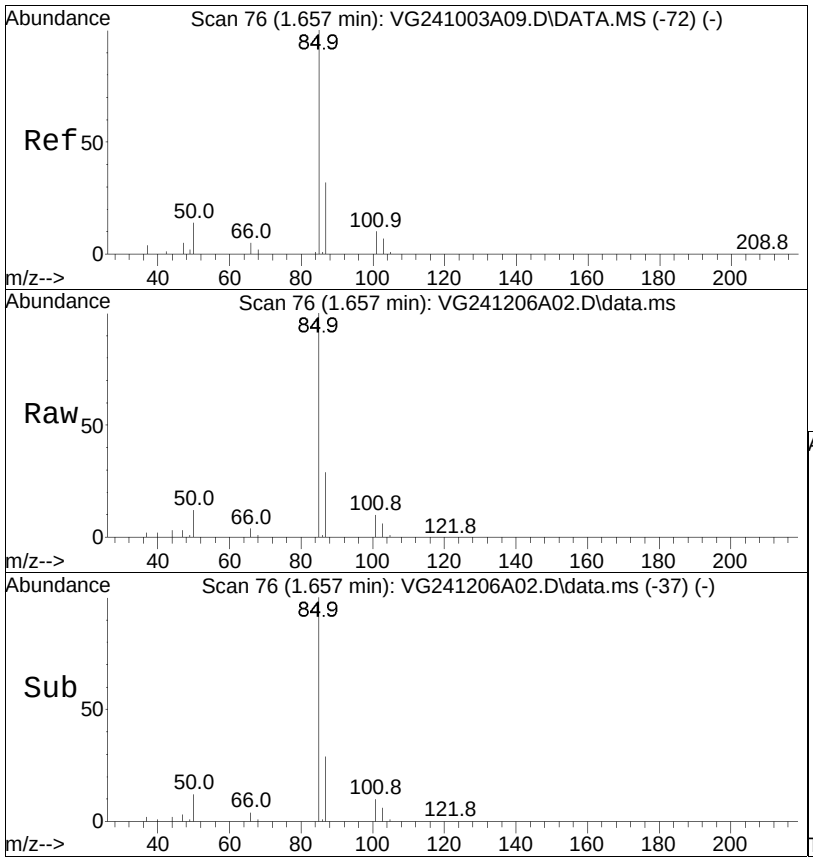
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Acq On : 6 Dec 2024 8:22 am
Operator : GONZO:PID
Sample : WG2006732-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 09:48:48 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

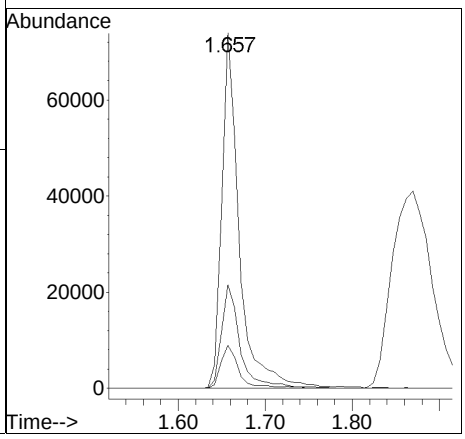


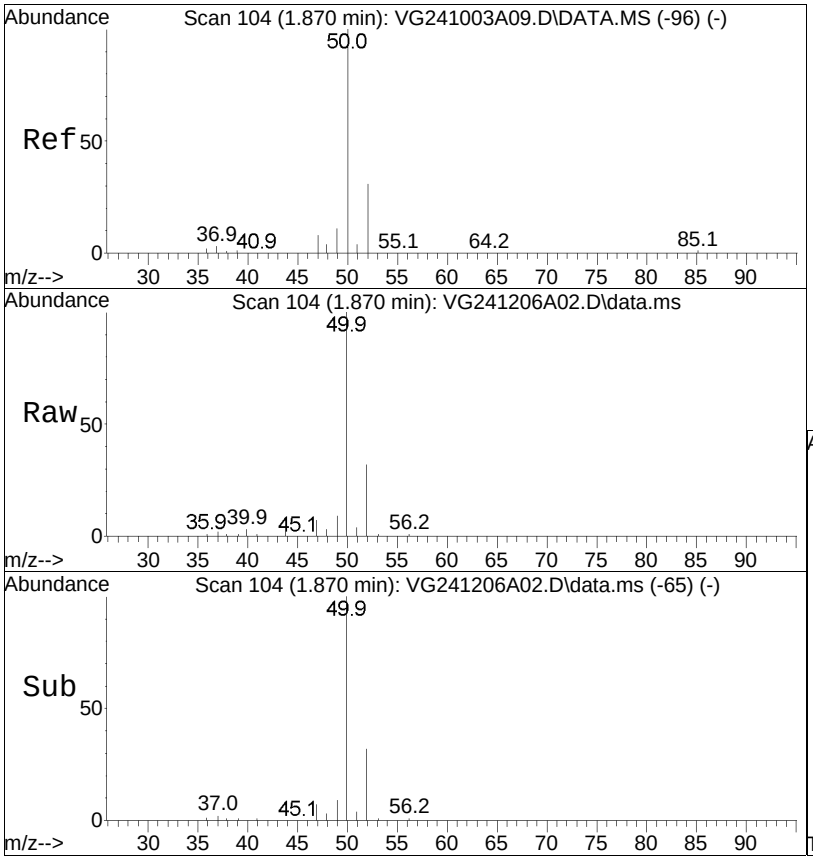


#2
Dichlorodifluoromethane
Concen: 7.63 ug/L
RT: 1.657 min Scan# 76
Delta R.T. -0.000 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 85 Resp: 104193

Ion	Ratio	Lower	Upper
85	100		
87	31.2	20.7	42.9
50	12.2	7.5	15.5

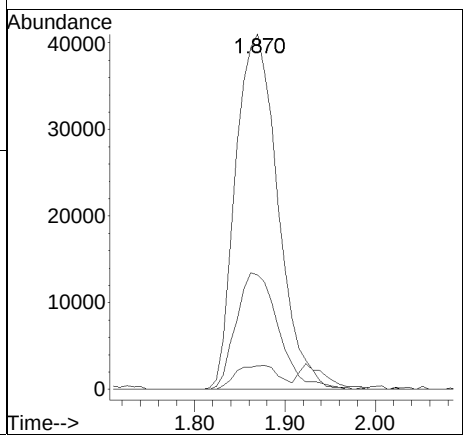


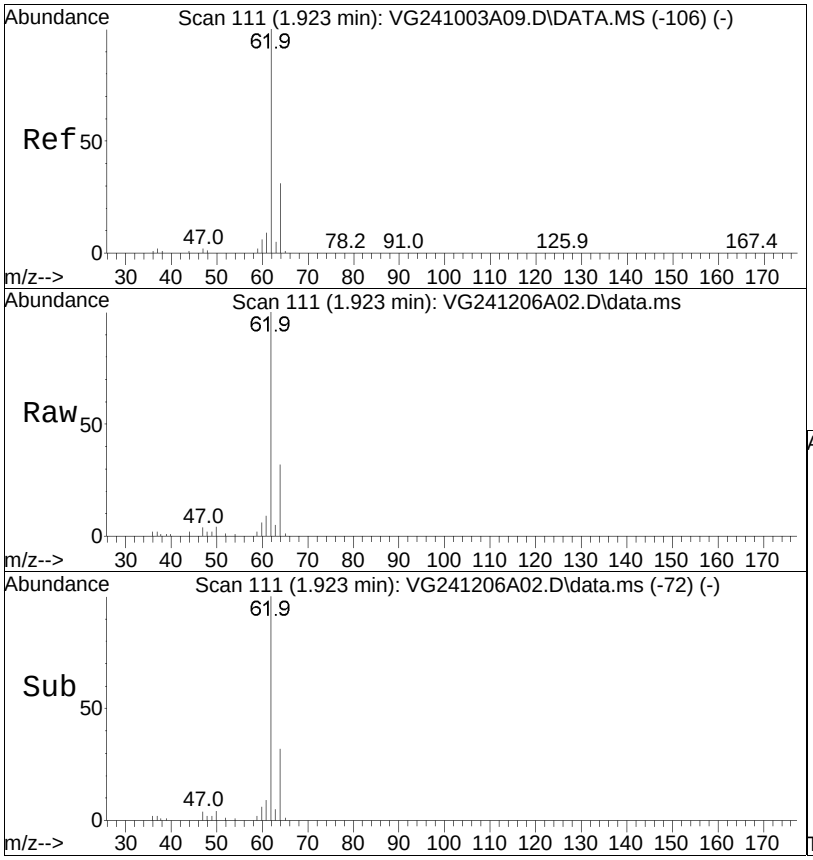


#3
Chloromethane
Concen: 9.10 ug/L
RT: 1.870 min Scan# 104
Delta R.T. -0.000 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 50 Resp: 134682

Ion	Ratio	Lower	Upper
50	100		
52	32.7	11.7	51.7
47	6.9	0.0	28.0

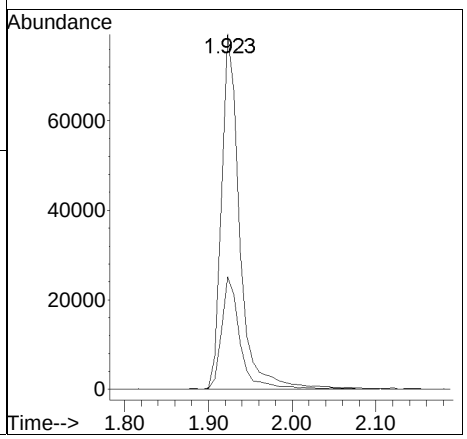


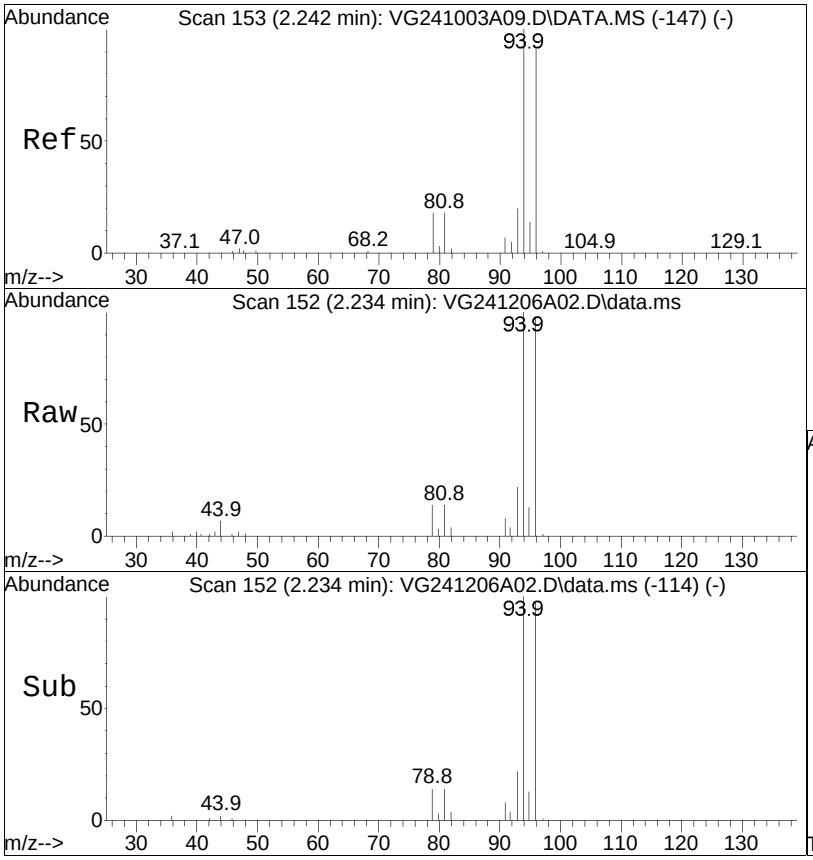


#4
Vinyl chloride
Concen: 8.18 ug/L
RT: 1.923 min Scan# 111
Delta R.T. -0.000 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 62 Resp: 120691

Ion	Ratio	Lower	Upper
62	100		
64	32.4	11.3	51.3

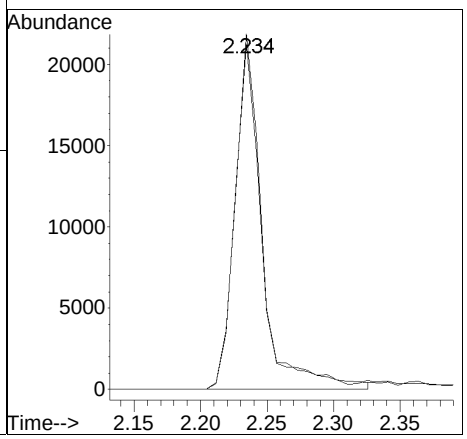


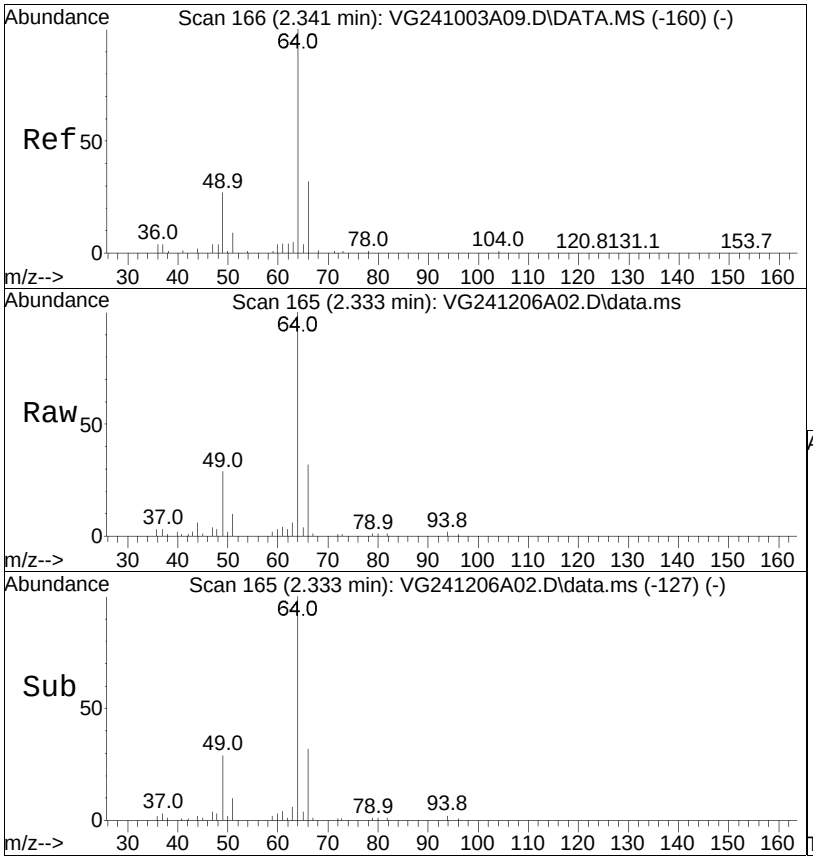


#5
Bromomethane
Concen: 3.67 ug/L
RT: 2.234 min Scan# 152
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 94 Resp: 31212

Ion	Ratio	Lower	Upper
94	100		
96	95.6	75.2	115.2

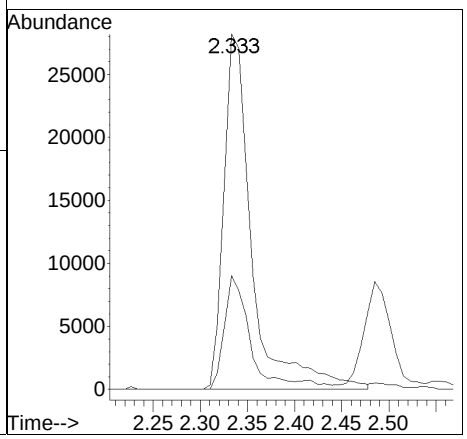


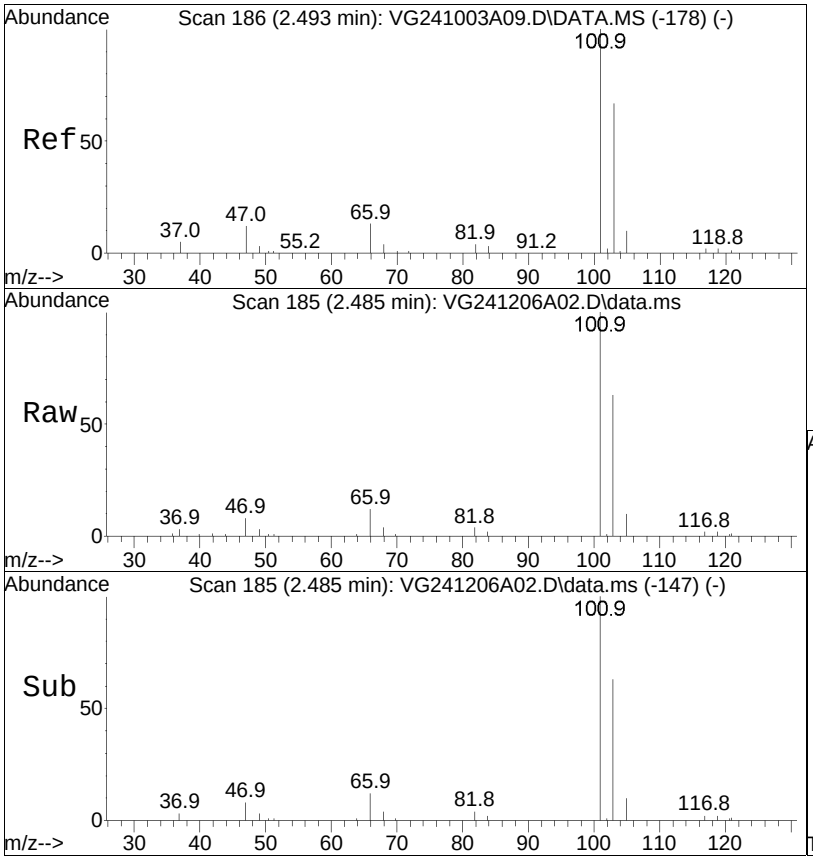


#6
Chloroethane
Concen: 7.01 ug/L
RT: 2.333 min Scan# 165
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 64 Resp: 59009

Ion	Ratio	Lower	Upper
64	100		
66	28.4	13.7	53.7

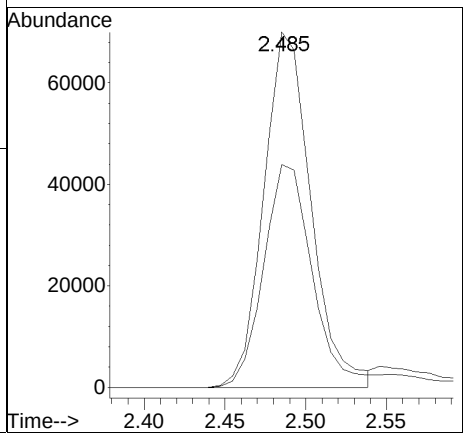


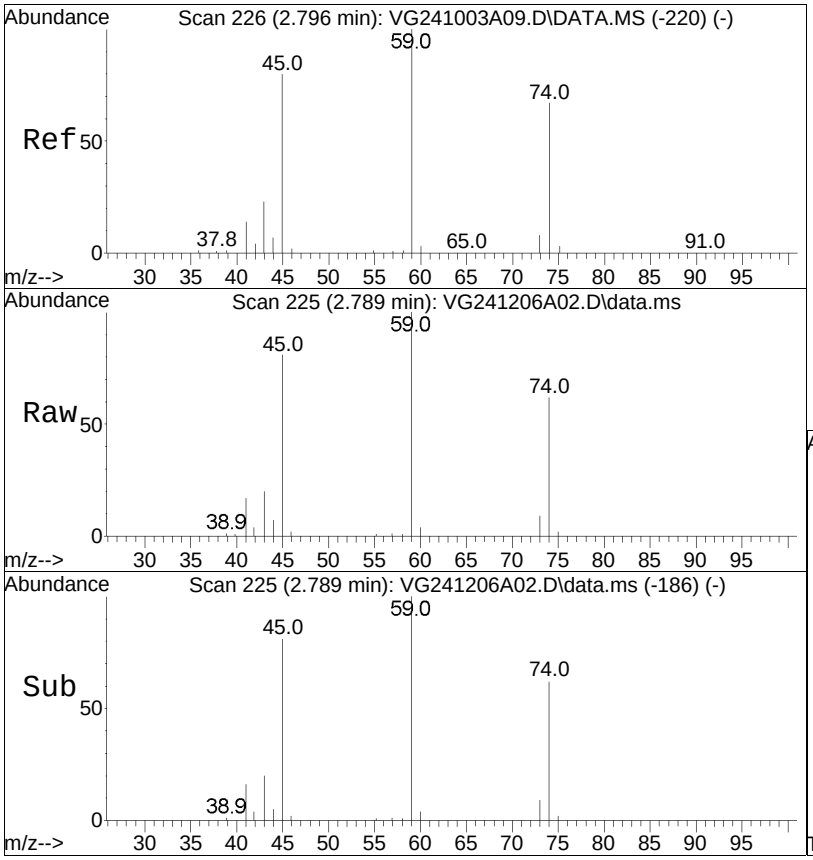


#7
Trichlorofluoromethane
Concen: 7.24 ug/L
RT: 2.485 min Scan# 185
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:101 Resp: 142278

Ion	Ratio	Lower	Upper
101	100		
103	71.0	52.2	78.2

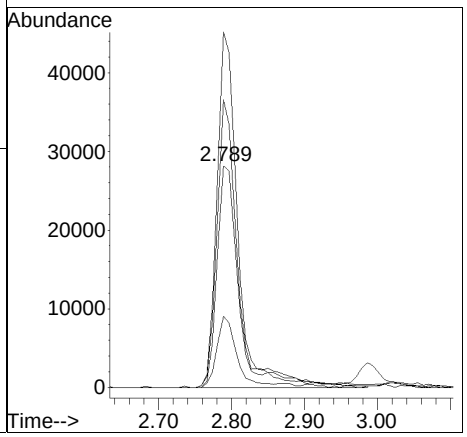


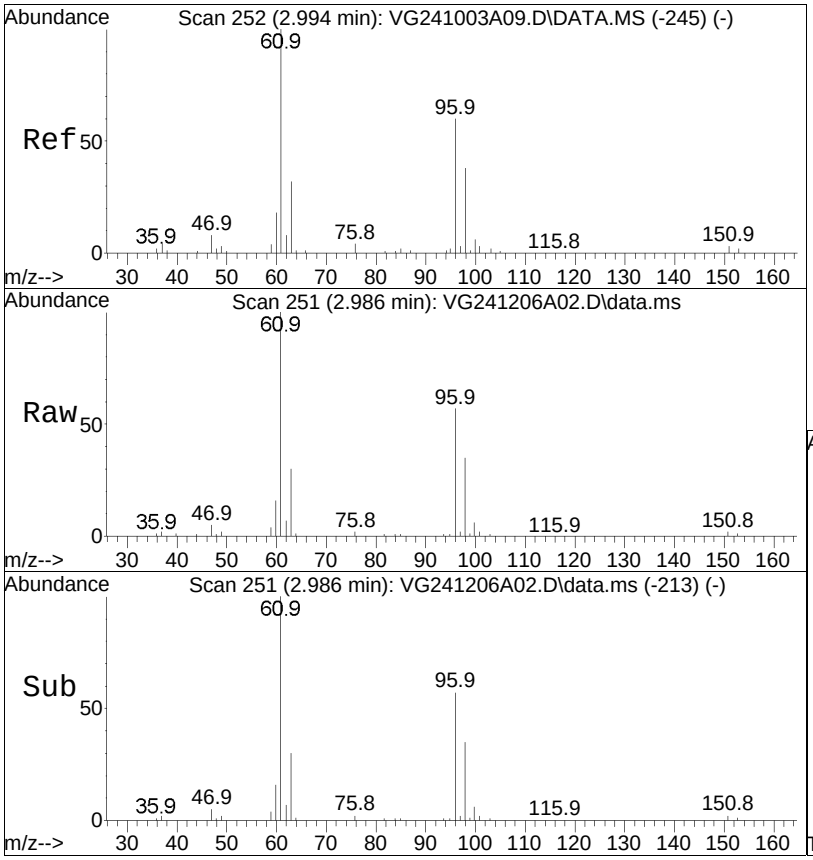


#8
Ethyl ether
Concen: 8.27 ug/L
RT: 2.789 min Scan# 225
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 74 Resp: 59163

Ion	Ratio	Lower	Upper
74	100		
59	154.3	83.5	173.3
45	123.5	59.7	123.9
43	28.8	17.6	36.6

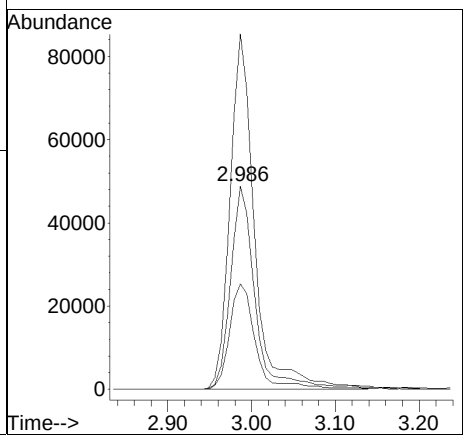


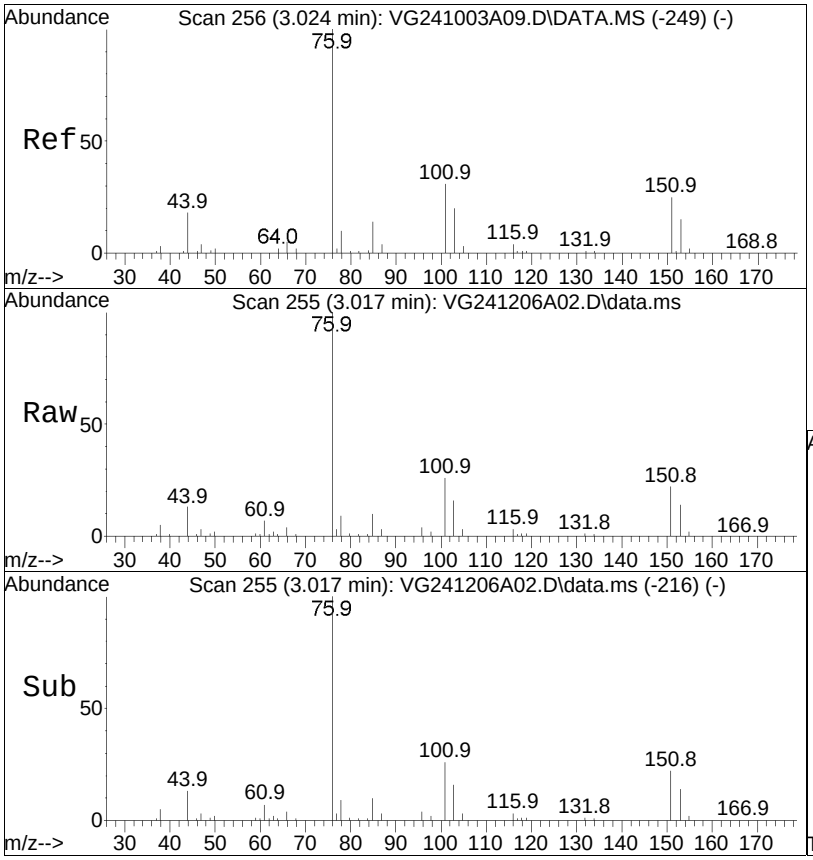


#10
1,1-Dichloroethene
Concen: 8.88 ug/L
RT: 2.986 min Scan# 251
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 96 Resp: 100592

Ion	Ratio	Lower	Upper
96	100		
61	175.4	124.2	186.4
63	55.5	40.0	60.0

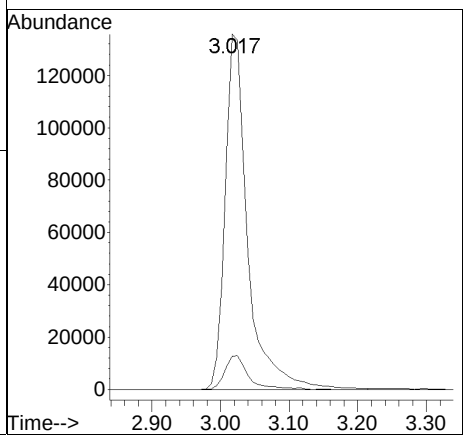


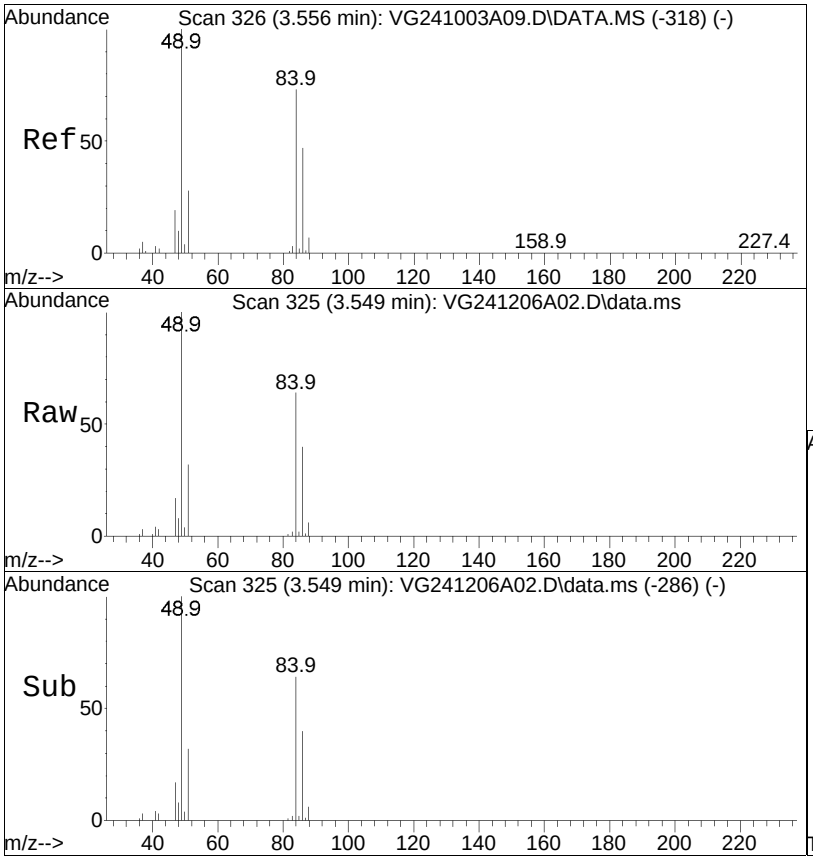


#11
Carbon disulfide
Concen: 9.05 ug/L
RT: 3.017 min Scan# 255
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 76 Resp: 311269

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.6	13.6

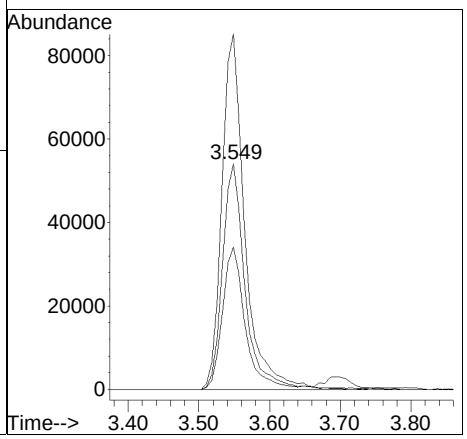


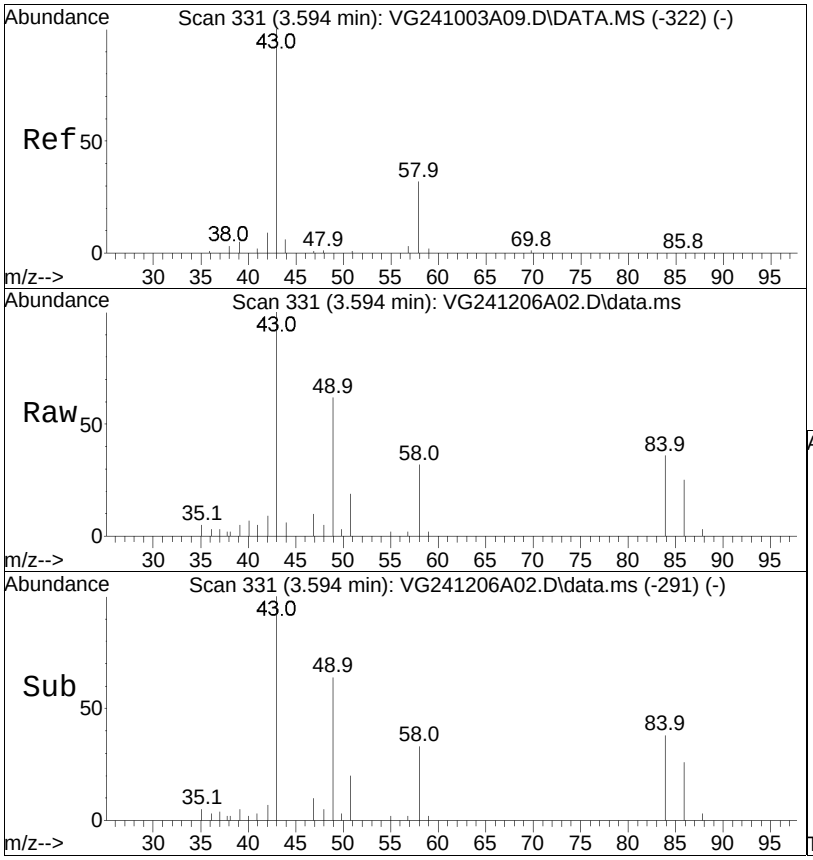


#15
Methylene chloride
Concen: 8.89 ug/L
RT: 3.549 min Scan# 325
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 84 Resp: 121105

Ion	Ratio	Lower	Upper
84	100		
86	62.8	41.1	85.5
49	157.5	76.2	158.2

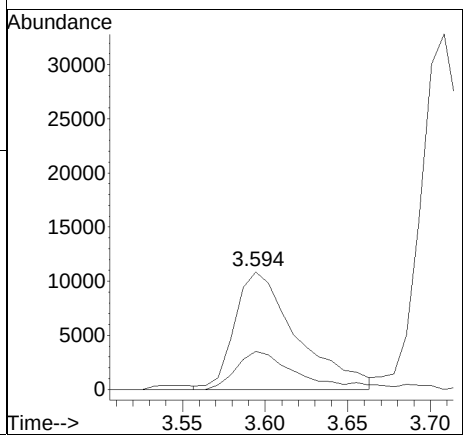


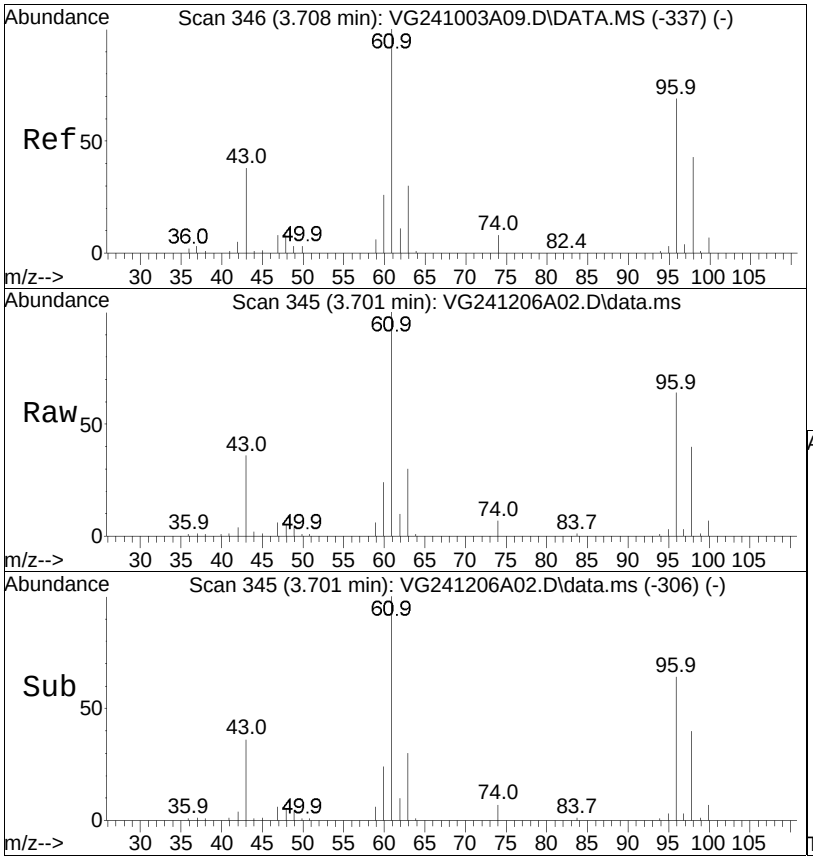


#17
Acetone
Concen: 8.11 ug/L M4
RT: 3.594 min Scan# 331
Delta R.T. 0.000 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 43 Resp: 28560

Ion	Ratio	Lower	Upper
43	100		
58	31.9	22.2	33.4

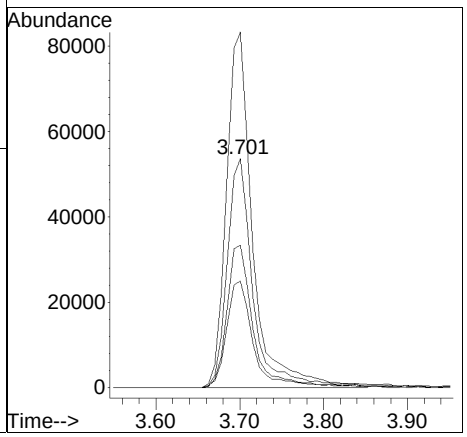


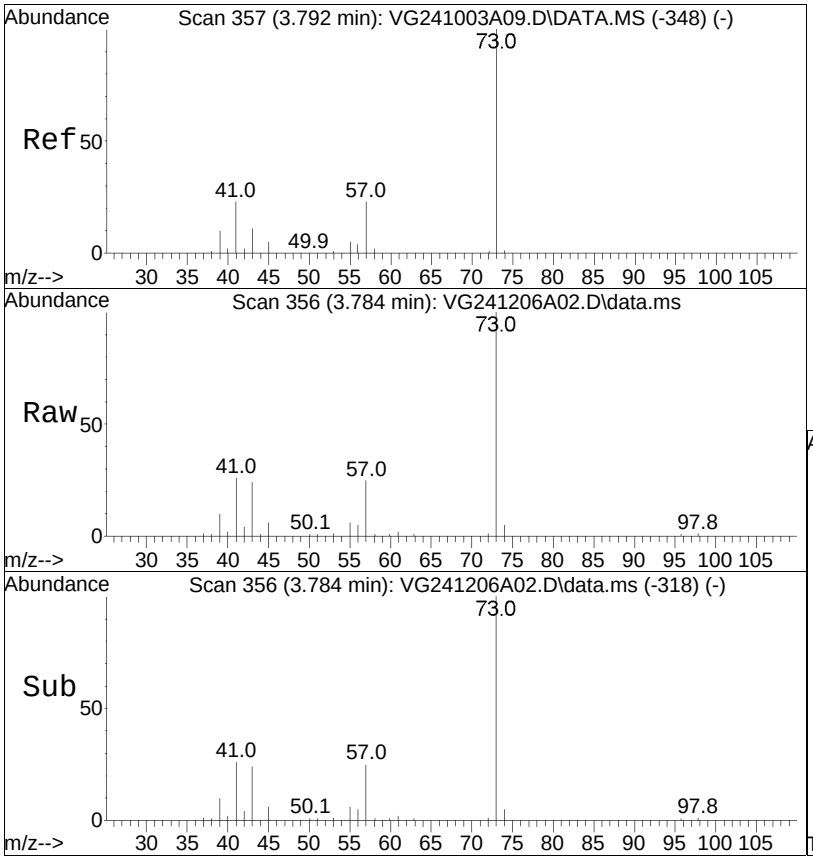


#18
trans-1,2-Dichloroethene
Concen: 9.39 ug/L
RT: 3.701 min Scan# 345
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 96 Resp: 115349

Ion	Ratio	Lower	Upper
96	100		
61	157.9	85.7	178.1
98	63.1	40.2	83.4
63	47.7	28.0	58.2

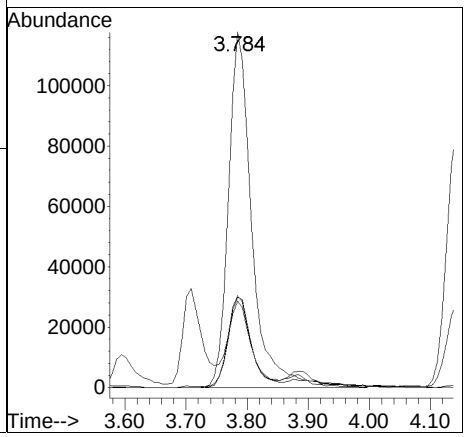


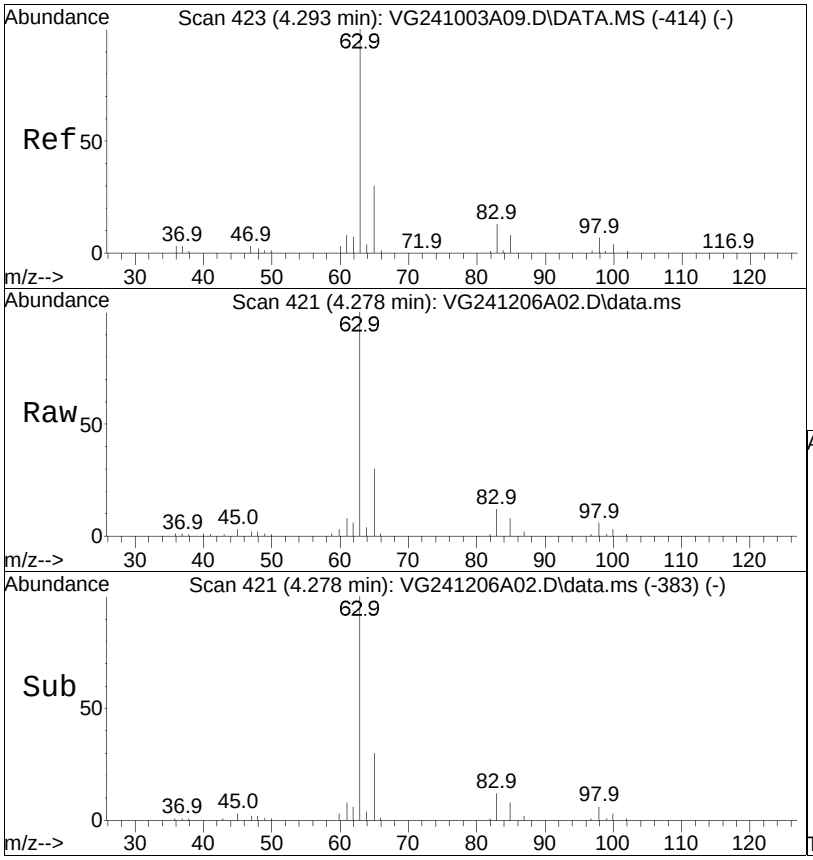


#20
Methyl tert-butyl ether
Concen: 7.62 ug/L
RT: 3.784 min Scan# 356
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 73 Resp: 316279

Ion	Ratio	Lower	Upper
73	100		
57	25.1	12.5	26.1
43	24.2	13.0	27.0
41	24.6	12.5	26.1

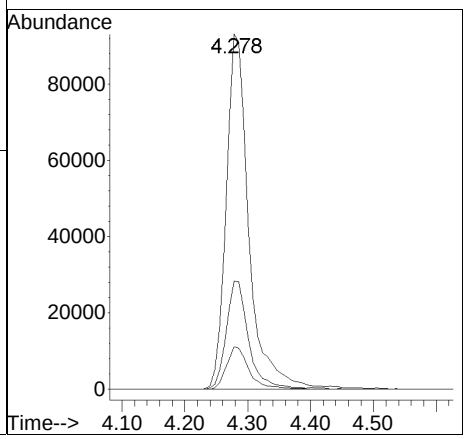


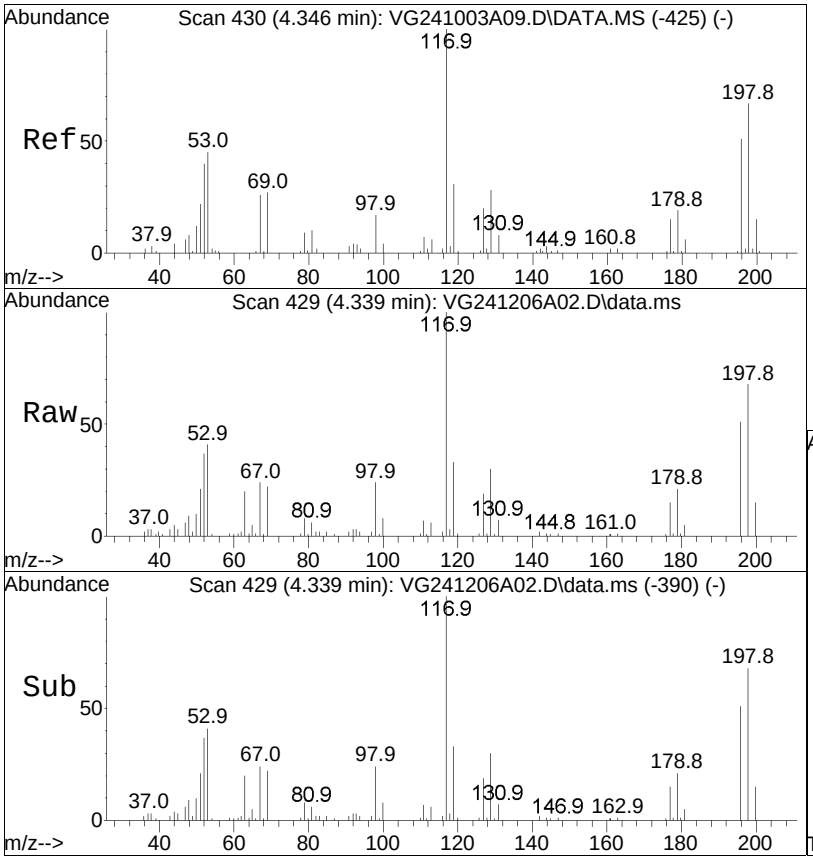


#23
1,1-Dichloroethane
Concen: 9.93 ug/L
RT: 4.278 min Scan# 421
Delta R.T. -0.015 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 63 Resp: 236195

Ion	Ratio	Lower	Upper
63	100		
65	29.8	10.4	50.4
83	11.9	0.0	33.2

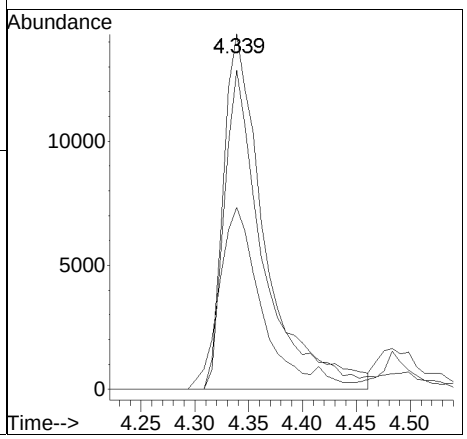


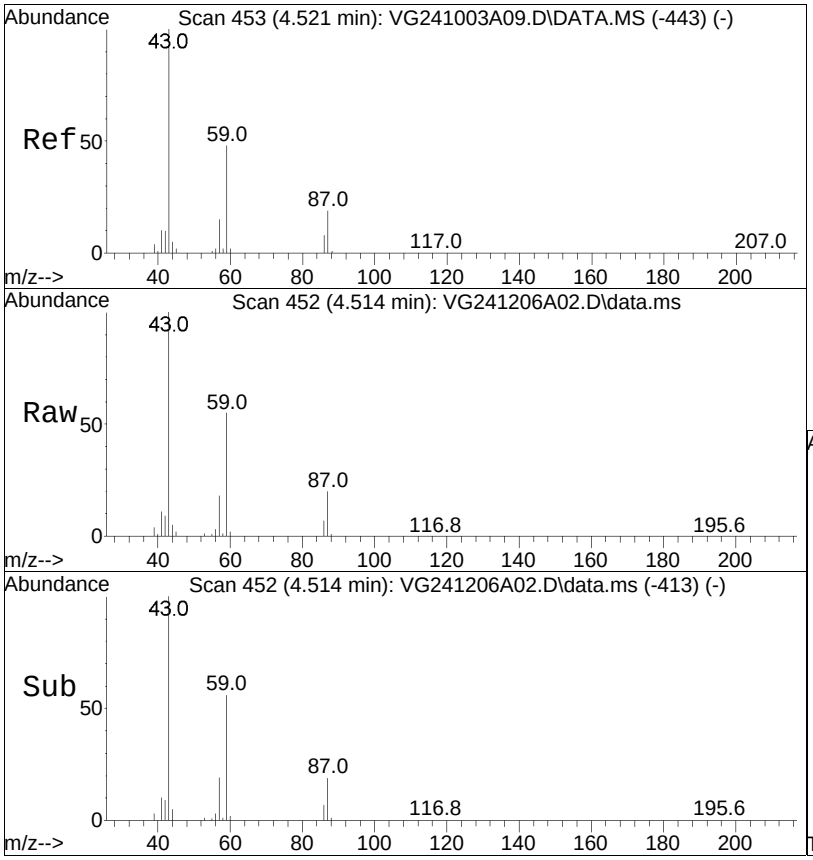


#25
Acrylonitrile
Concen: 8.81 ug/L
RT: 4.339 min Scan# 429
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 53 Resp: 38695

Ion	Ratio	Lower	Upper
53	100		
52	83.9	68.3	102.5
51	50.3	51.9	77.9#

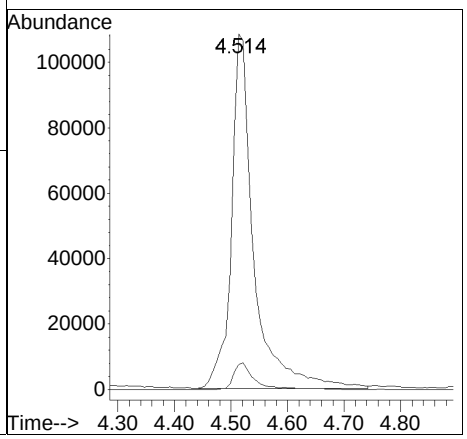


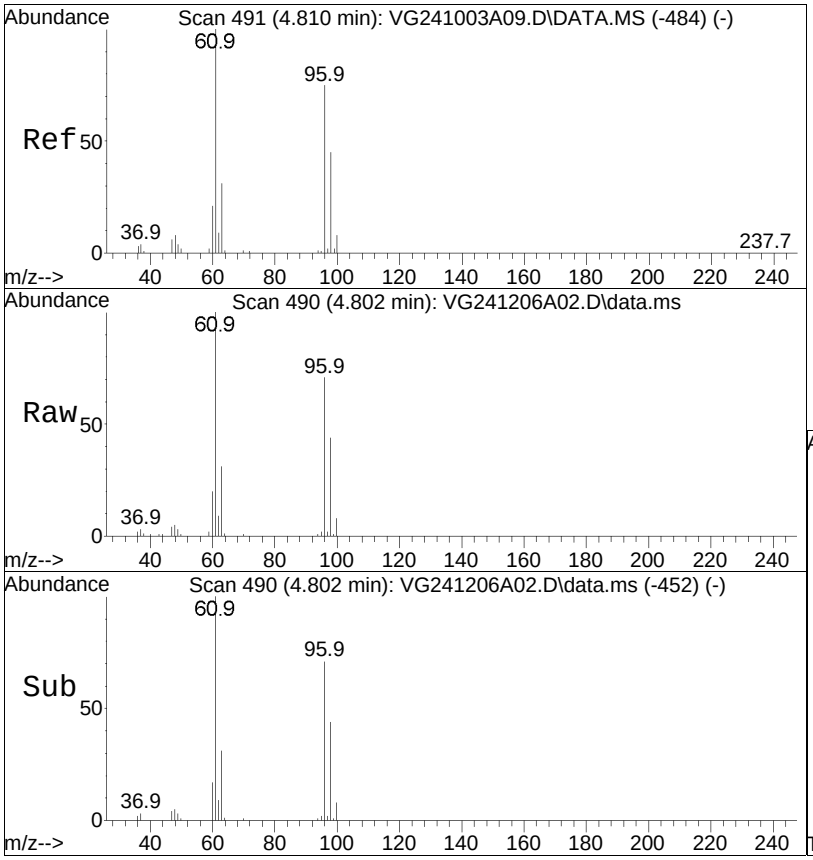


#27
Vinyl acetate
Concen: 8.97 ug/L
RT: 4.514 min Scan# 452
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 43 Resp: 298890

Ion	Ratio	Lower	Upper
43	100		
86	6.8	6.3	9.5

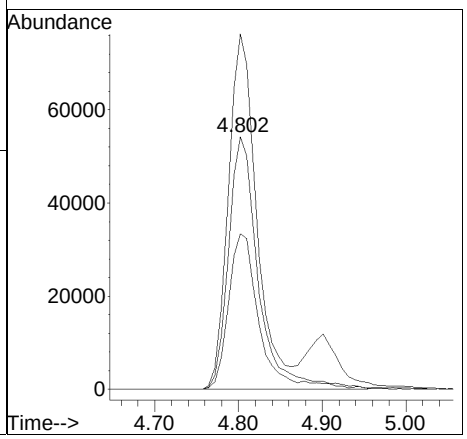


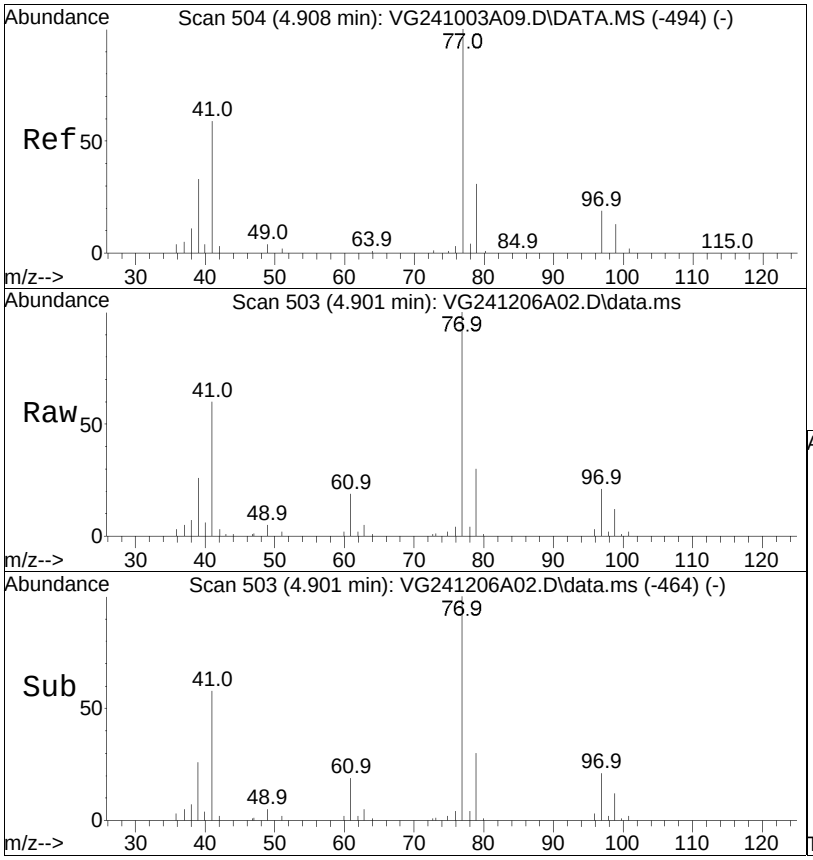


#28
cis-1,2-Dichloroethene
Concen: 9.49 ug/L
RT: 4.802 min Scan# 490
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 96 Resp: 134835

Ion	Ratio	Lower	Upper
96	100		
61	132.6	96.6	144.8
98	63.9	51.3	76.9

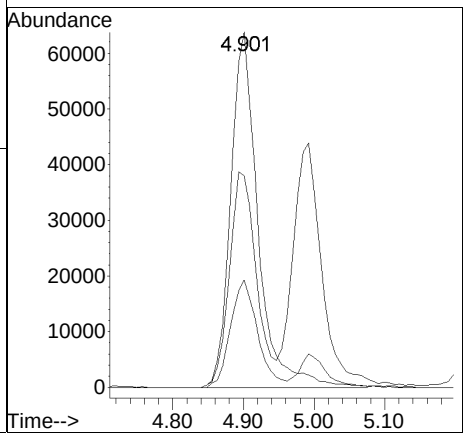


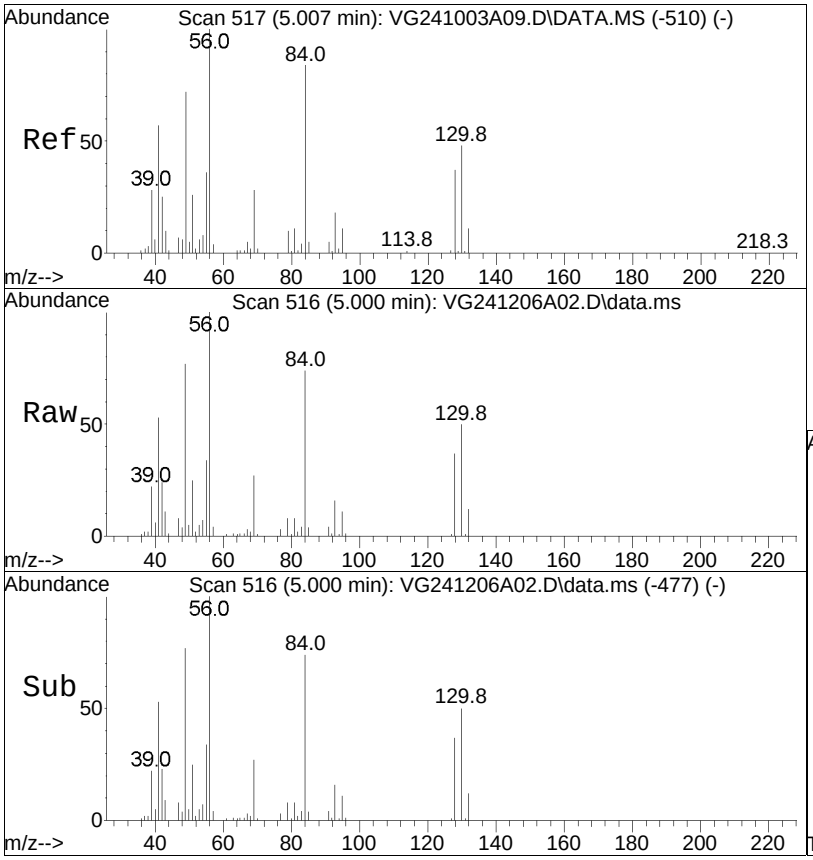


#29
2,2-Dichloropropane
Concen: 10.84 ug/L
RT: 4.901 min Scan# 503
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 77 Resp: 171311

Ion	Ratio	Lower	Upper
77	100		
41	60.0	38.1	79.1
79	30.0	20.6	42.8

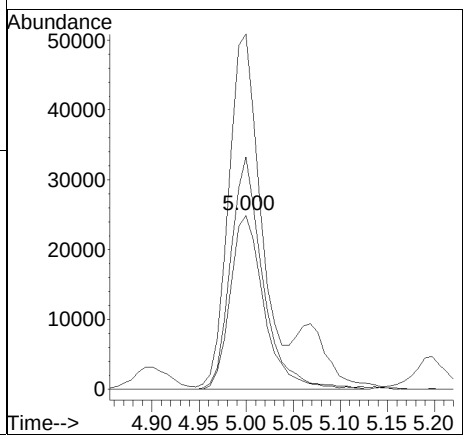


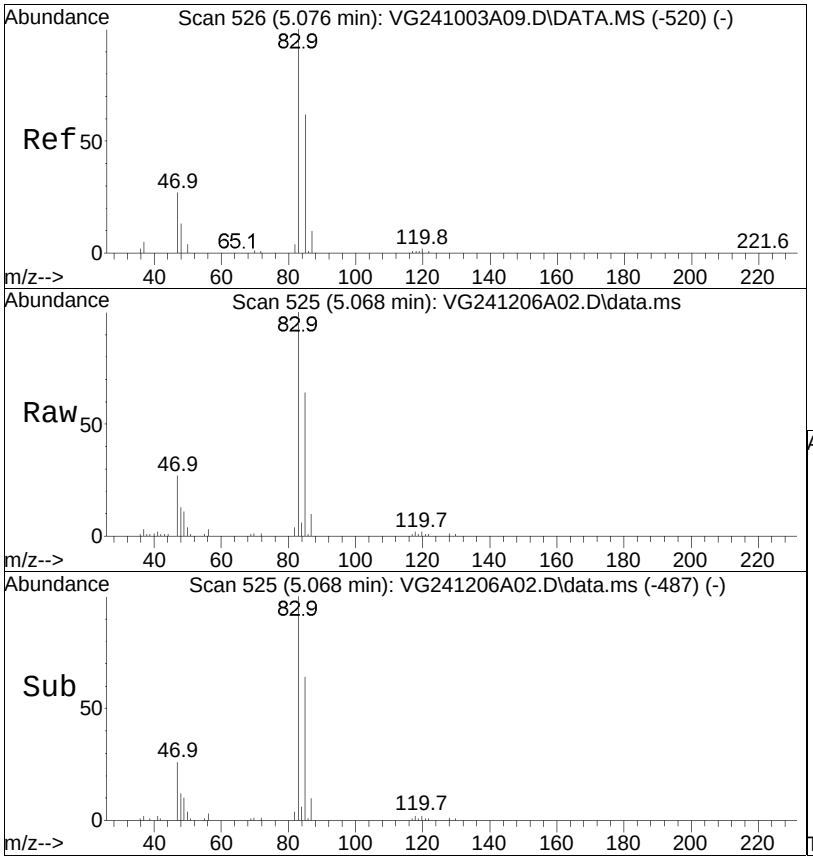


#30
Bromochloromethane
Concen: 9.65 ug/L
RT: 5.000 min Scan# 516
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:128 Resp: 62448

Ion	Ratio	Lower	Upper
128	100		
49	191.9	112.7	169.1#
130	128.2	103.3	154.9

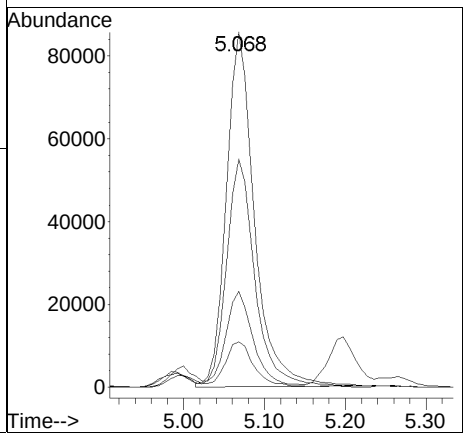


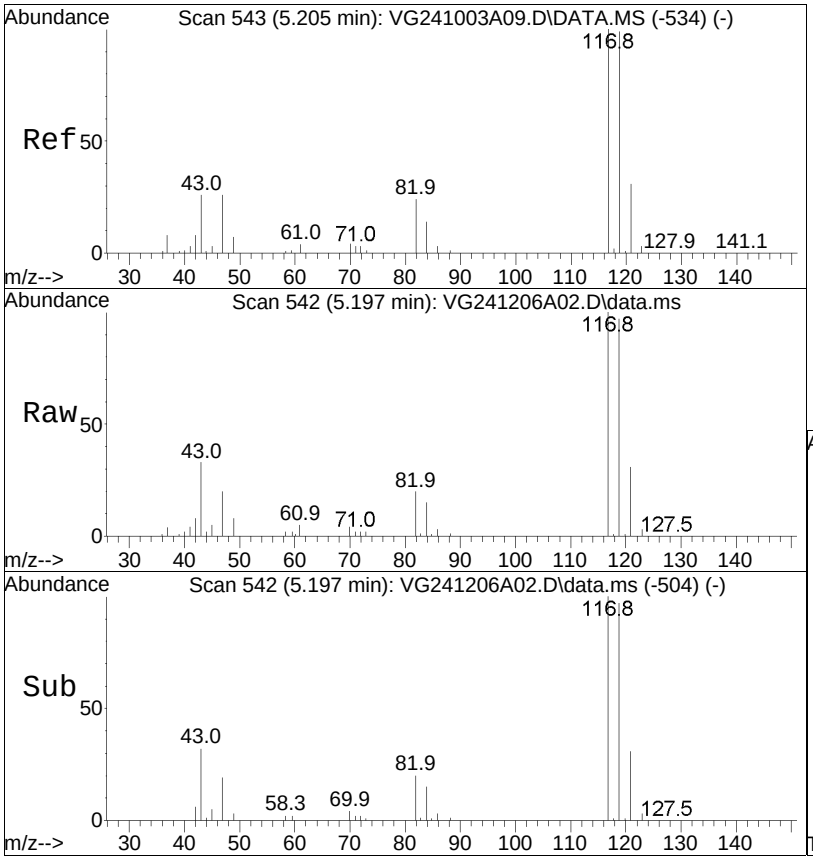


#32
Chloroform
Concen: 9.03 ug/L
RT: 5.068 min Scan# 525
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 83 Resp: 207896

Ion	Ratio	Lower	Upper
83	100		
85	64.4	41.4	86.0
47	24.3	15.1	31.3
48	13.0	7.7	16.1

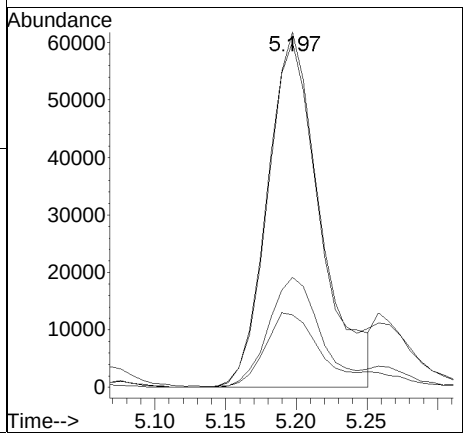


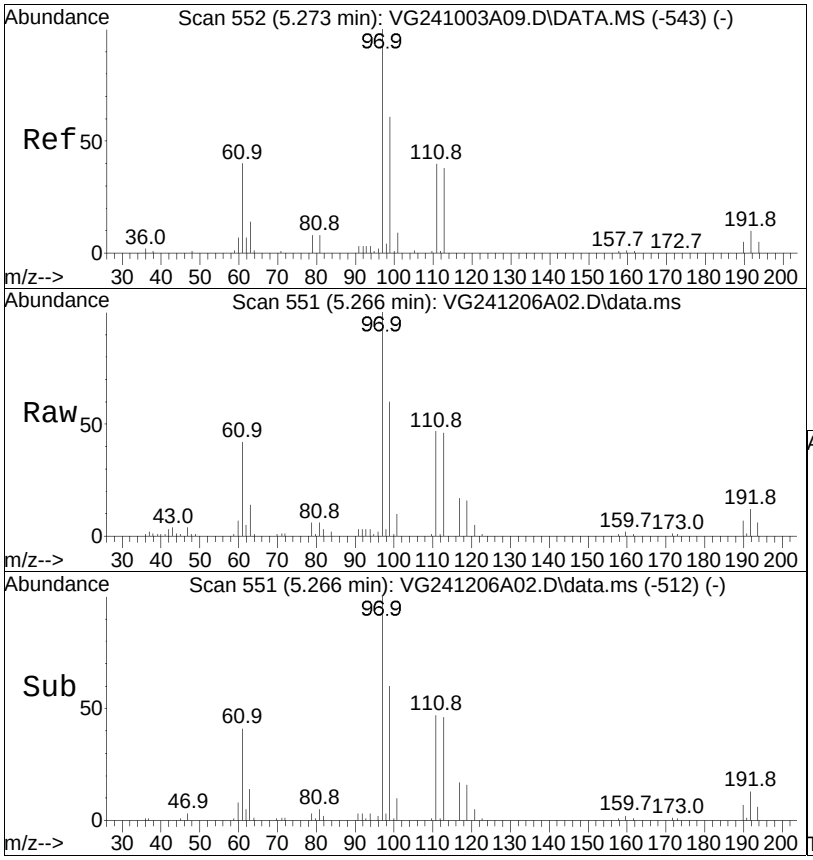


#34
Carbon tetrachloride
Concen: 9.19 ug/L
RT: 5.197 min Scan# 542
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:117 Resp: 161357

Ion	Ratio	Lower	Upper
117	100		
119	94.4	63.2	131.2
121	30.2	20.4	42.4
82	25.5	15.4	32.0

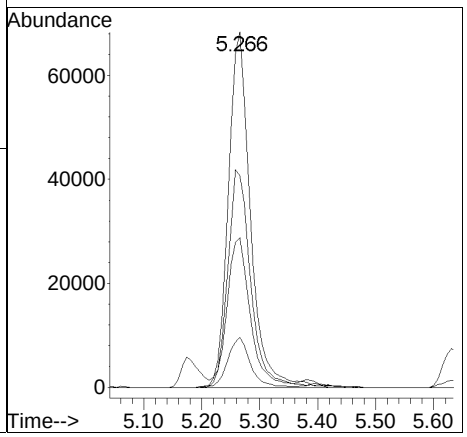


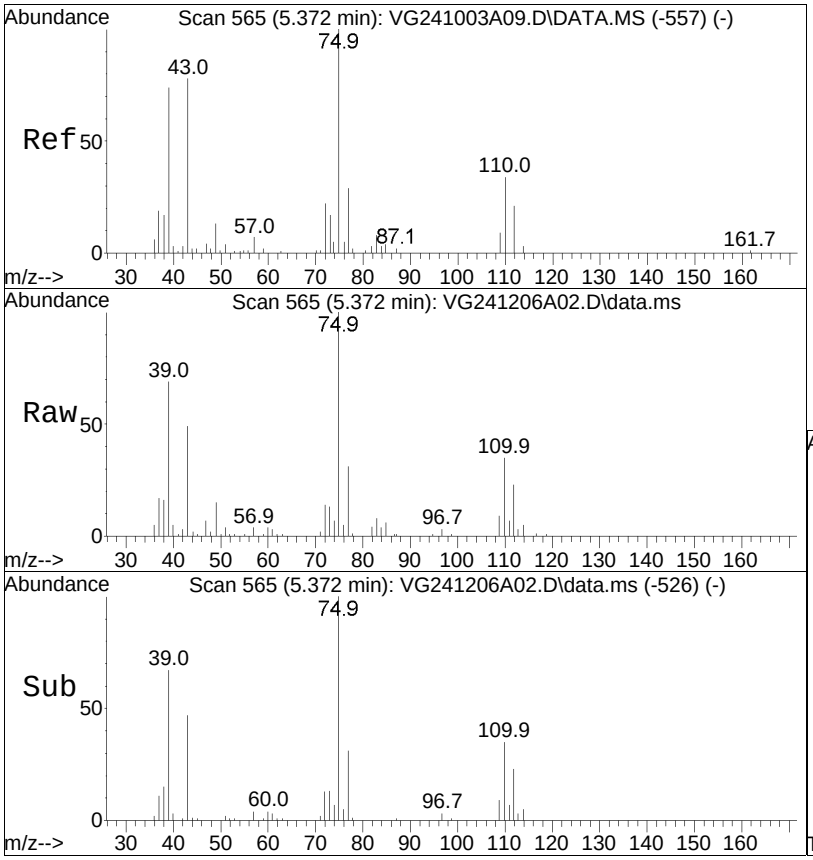


#37
1,1,1-Trichloroethane
Concen: 8.99 ug/L
RT: 5.266 min Scan# 551
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 97 Resp: 182595

Ion	Ratio	Lower	Upper
97	100		
99	63.2	41.3	85.7
61	44.0	26.0	54.0
63	14.3	8.6	18.0

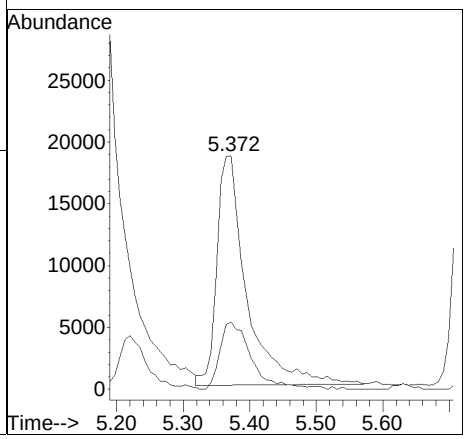


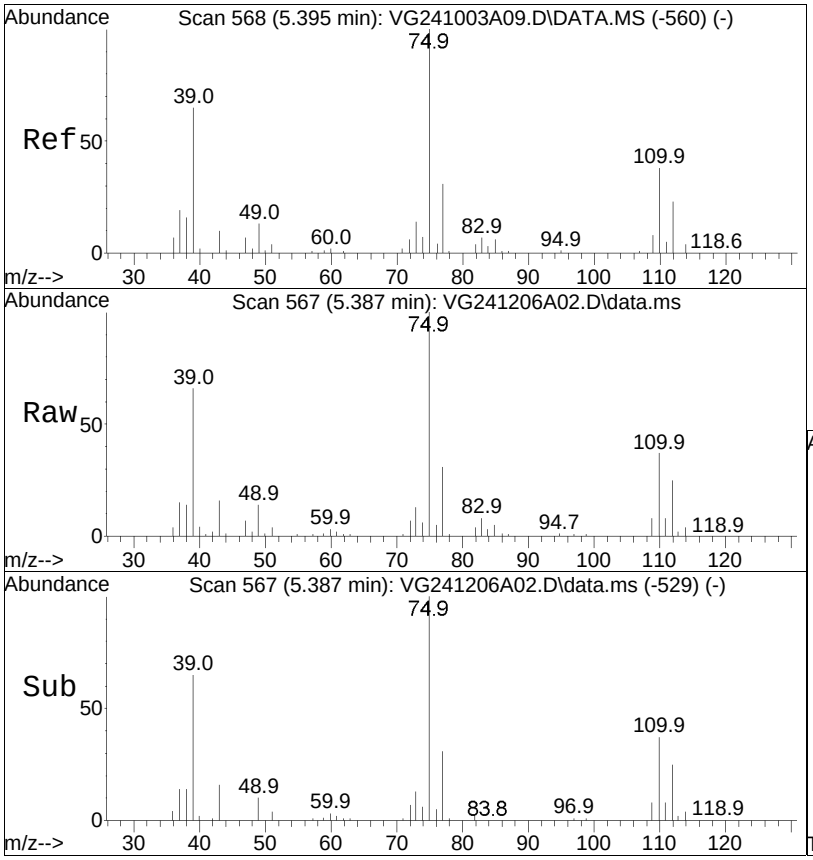


#39
2-Butanone
Concen: 10.79 ug/L
RT: 5.372 min Scan# 565
Delta R.T. -0.000 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 43 Resp: 57952

Ion	Ratio	Lower	Upper
43	100		
72	30.7	42.6	63.8#

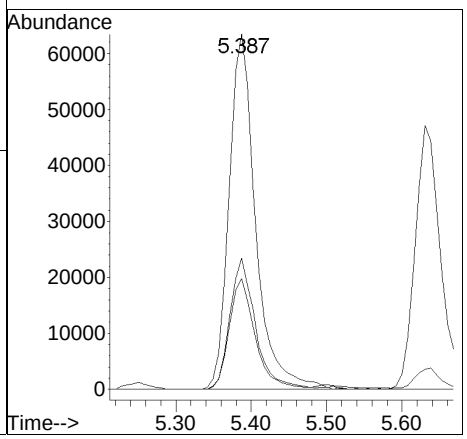


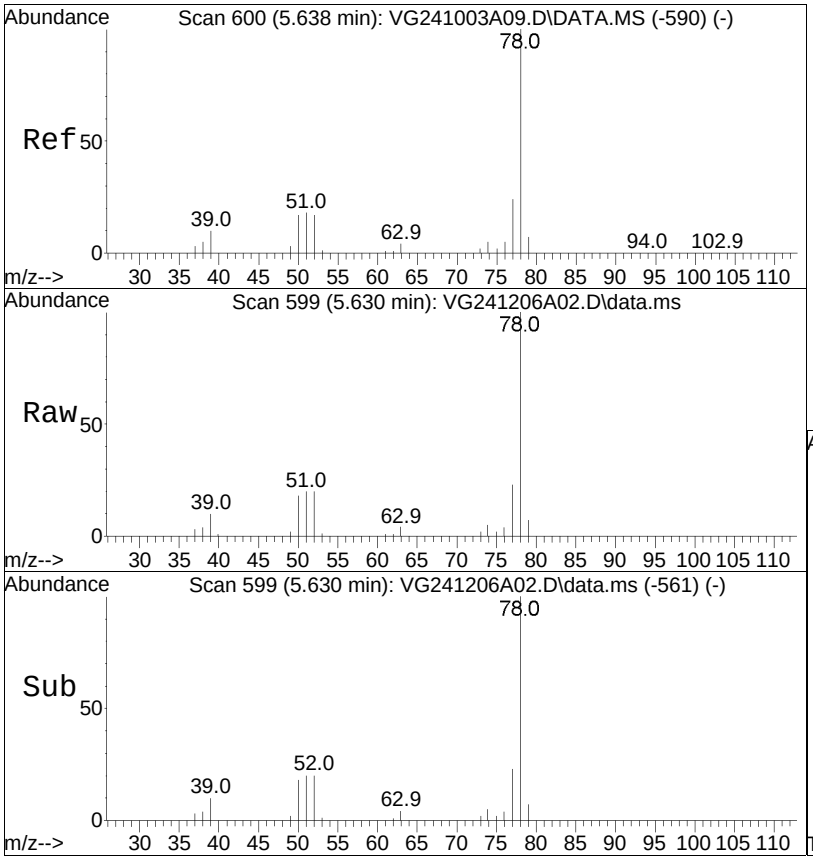


#40
1,1-Dichloropropene
Concen: 9.22 ug/L
RT: 5.387 min Scan# 567
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 75 Resp: 157045

Ion	Ratio	Lower	Upper
75	100		
110	35.3	24.1	50.1
77	30.5	19.8	41.0

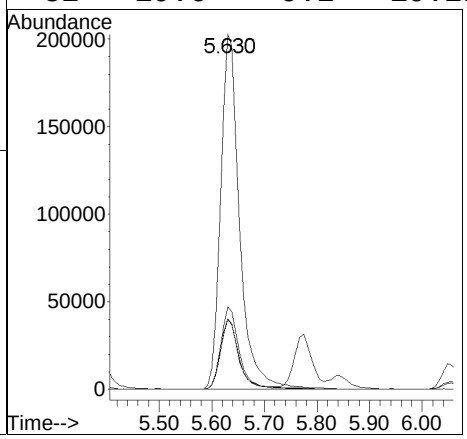


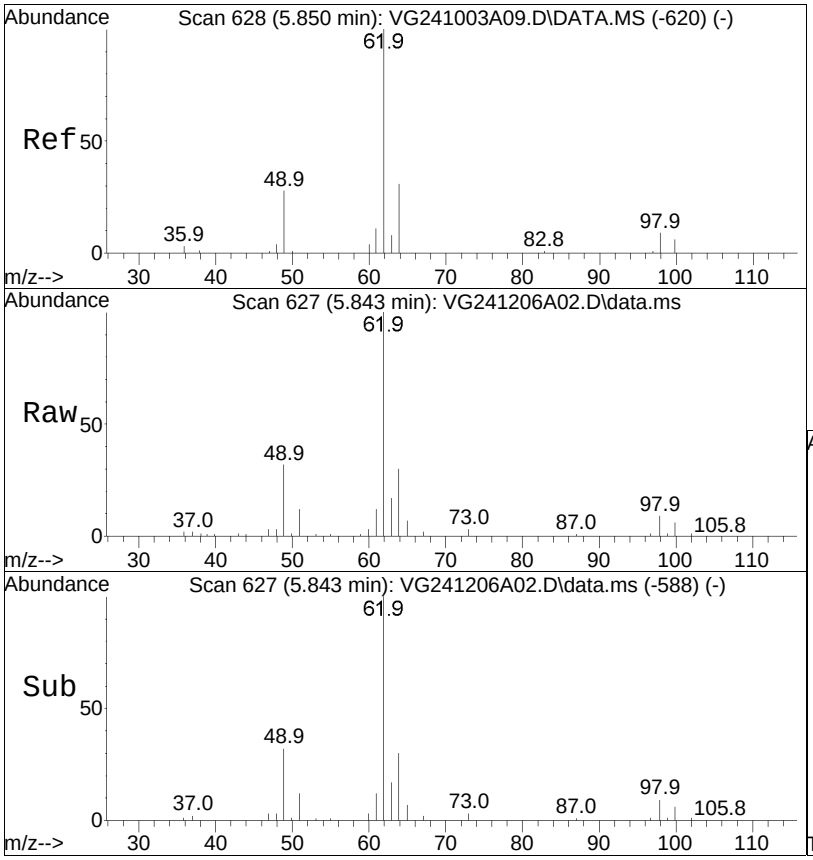


#41
Benzene
Concen: 9.62 ug/L
RT: 5.630 min Scan# 599
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 78 Resp: 509865

Ion	Ratio	Lower	Upper
78	100		
77	22.8	15.5	32.1
51	18.6	9.9	20.7
52	19.6	9.2	19.2#

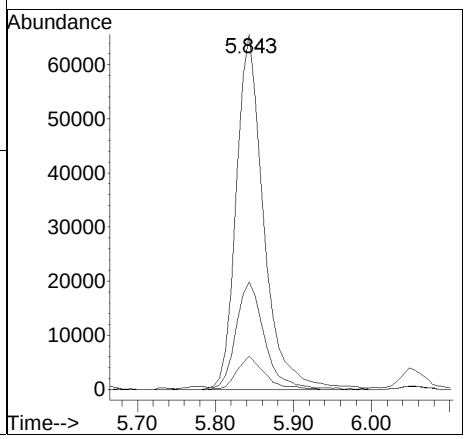


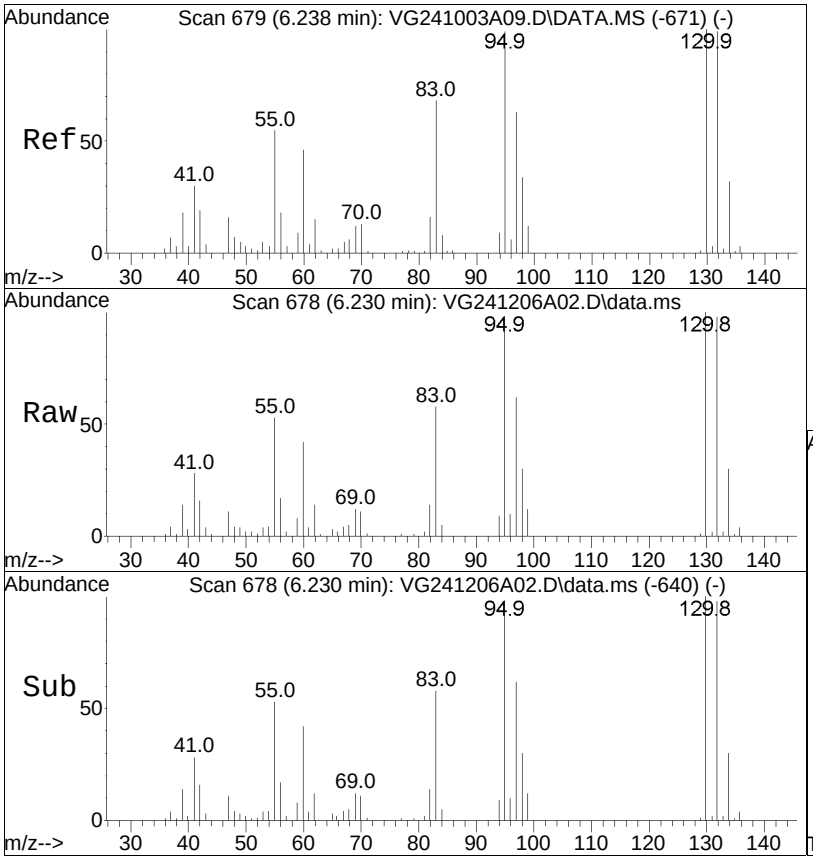


#44
1,2-Dichloroethane
Concen: 8.96 ug/L
RT: 5.843 min Scan# 627
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 62 Resp: 160829

Ion	Ratio	Lower	Upper
62	100		
64	31.4	11.9	51.9
98	9.4	0.0	29.3

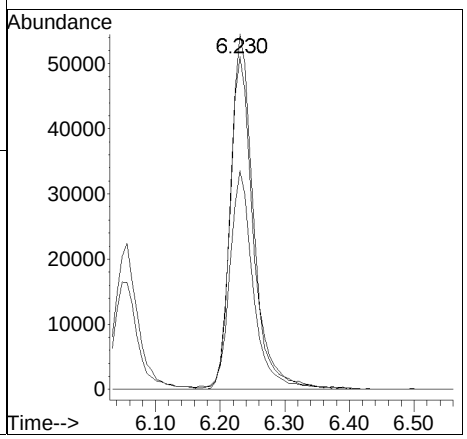


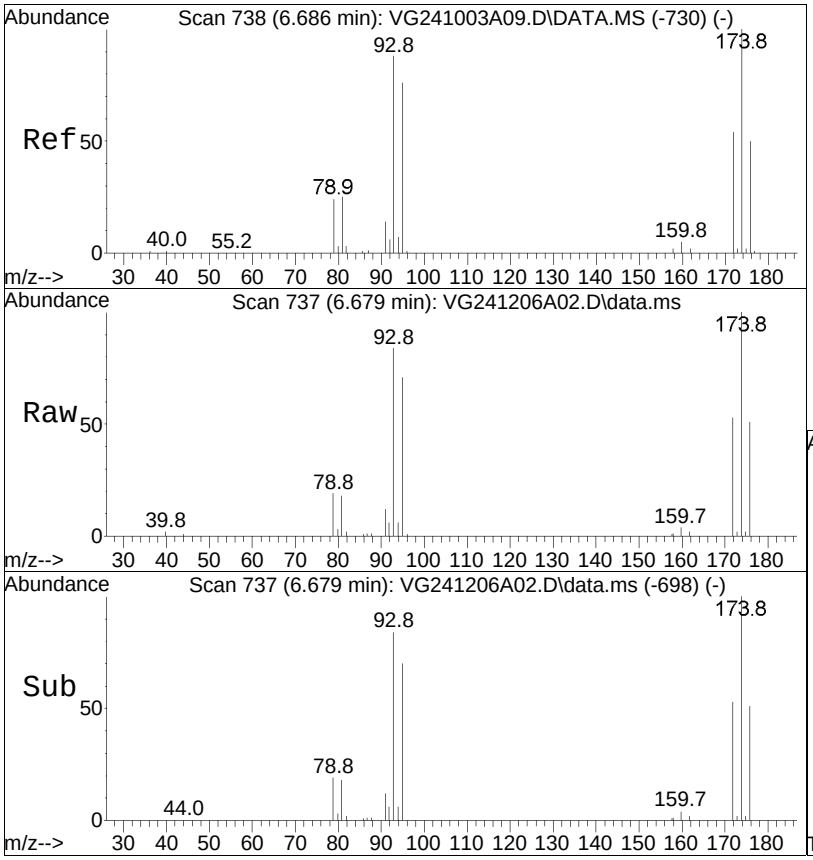


#48
Trichloroethene
Concen: 8.98 ug/L
RT: 6.230 min Scan# 678
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 95 Resp: 127660

Ion	Ratio	Lower	Upper
95	100		
97	66.6	54.0	81.0
130	106.6	85.0	127.4

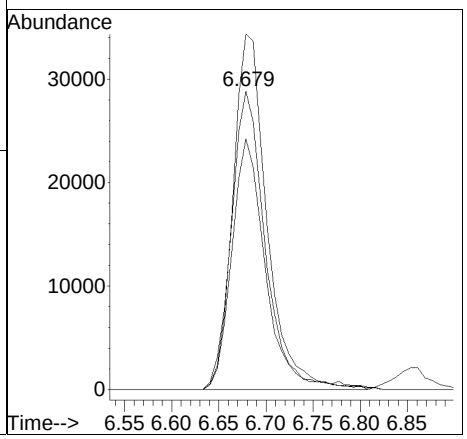


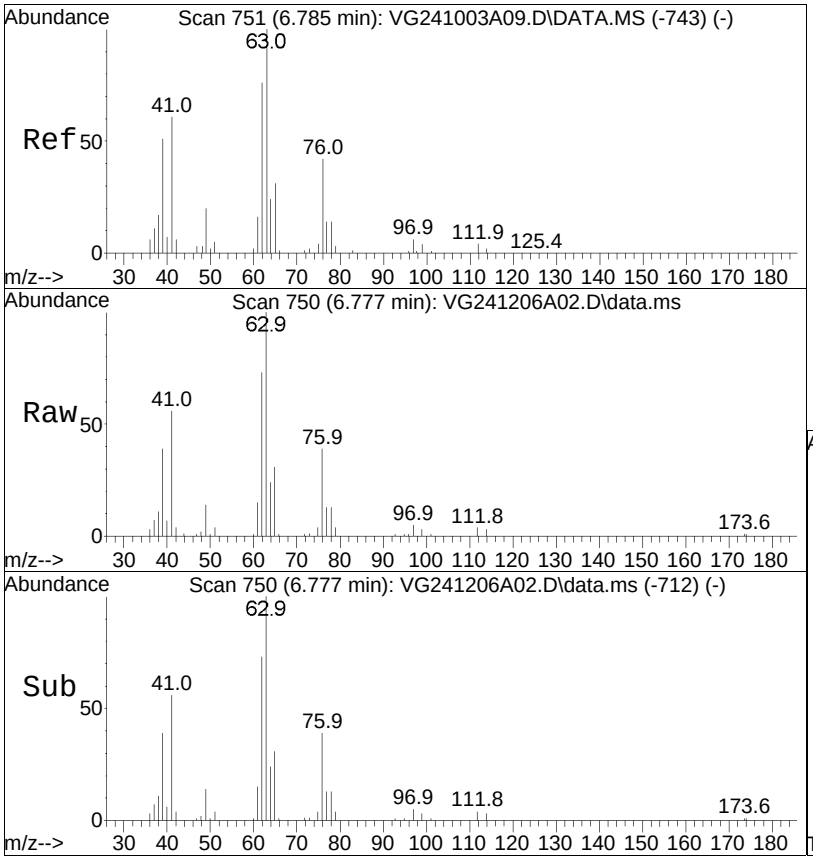


#50
Dibromomethane
Concen: 8.92 ug/L
RT: 6.679 min Scan# 737
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 93 Resp: 72222

Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.6	100.0
174	120.0	90.5	135.7

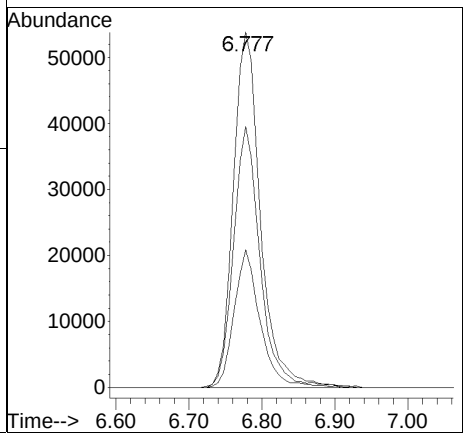


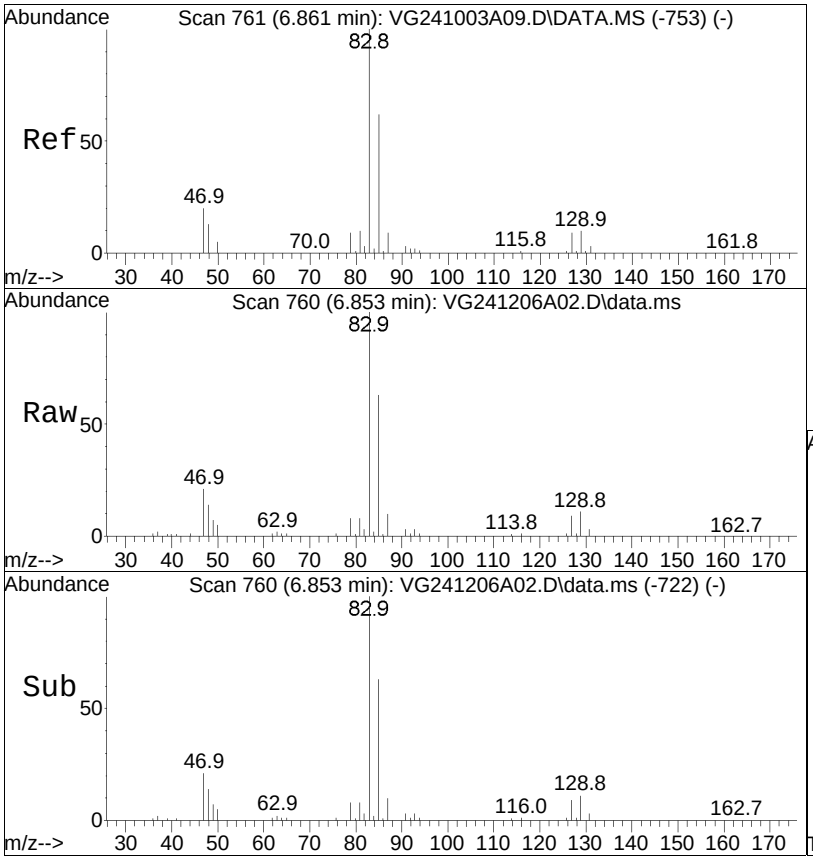


#51
1,2-Dichloropropane
Concen: 10.15 ug/L
RT: 6.777 min Scan# 750
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 63 Resp: 139522

Ion	Ratio	Lower	Upper
63	100		
62	71.6	56.5	84.7
76	37.2	34.6	52.0

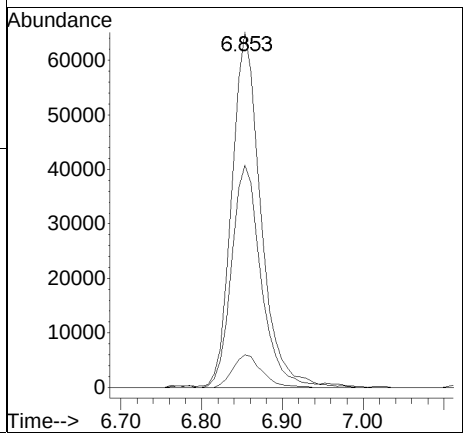


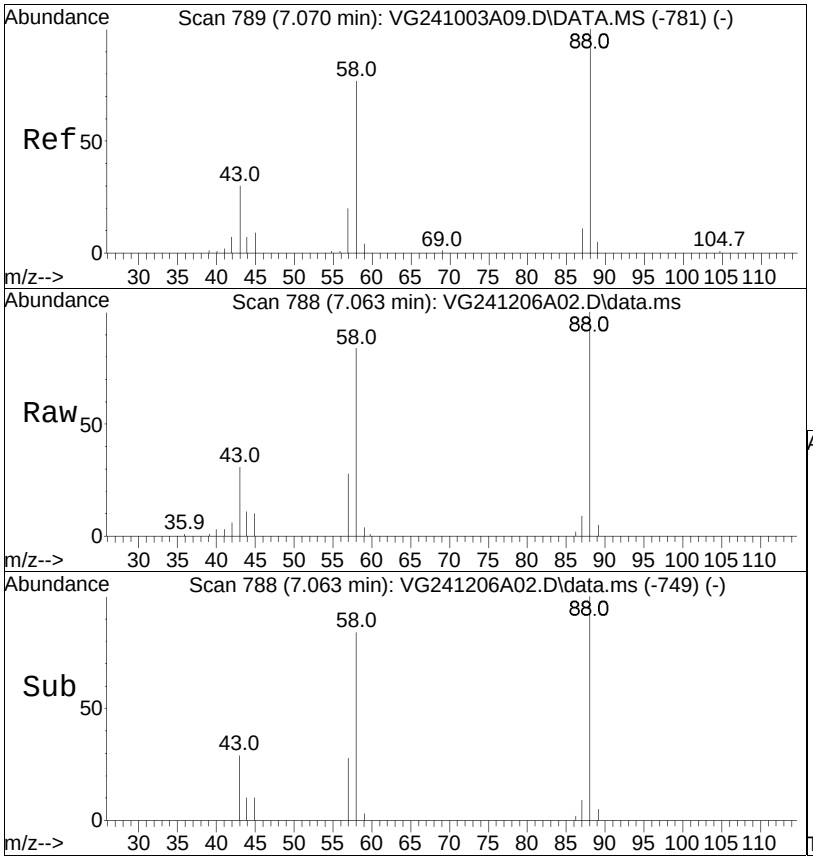


#54
Bromodichloromethane
Concen: 8.81 ug/L
RT: 6.853 min Scan# 760
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 83 Resp: 163317

Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.8	76.2
127	9.2	7.4	11.2

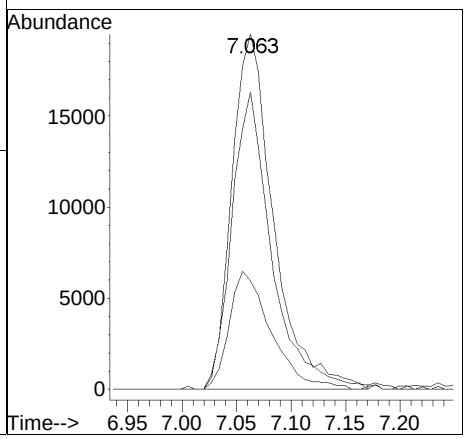


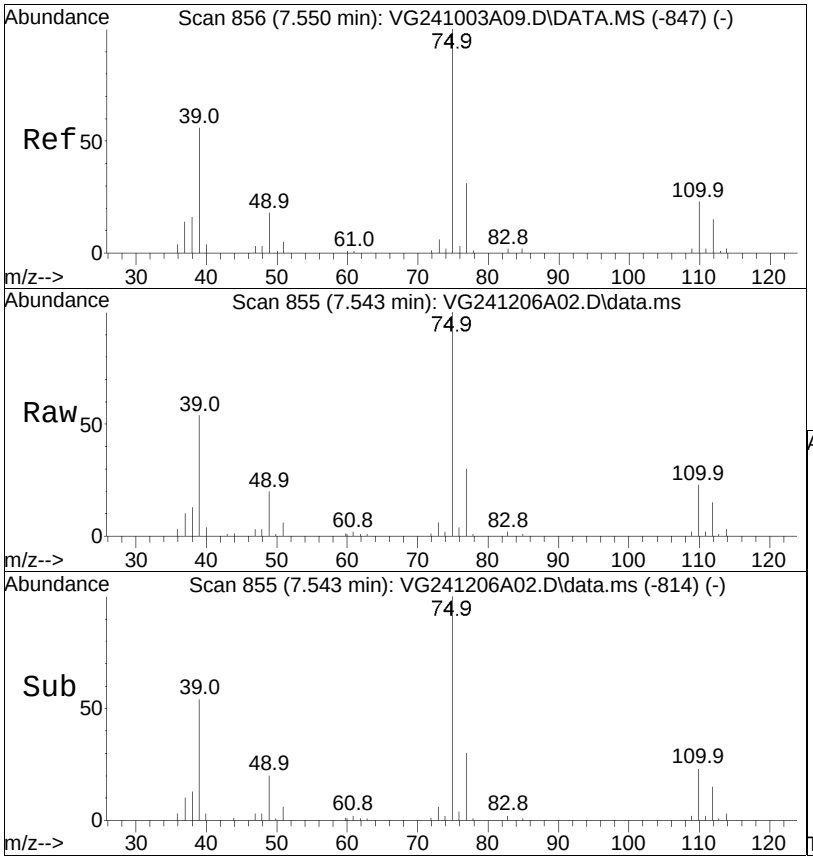


#57
1,4-Dioxane
Concen: 377.42 ug/L
RT: 7.063 min Scan# 788
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 88 Resp: 52143

Ion	Ratio	Lower	Upper
88	100		
58	79.7	48.7	73.1#
43	33.4	22.4	33.6

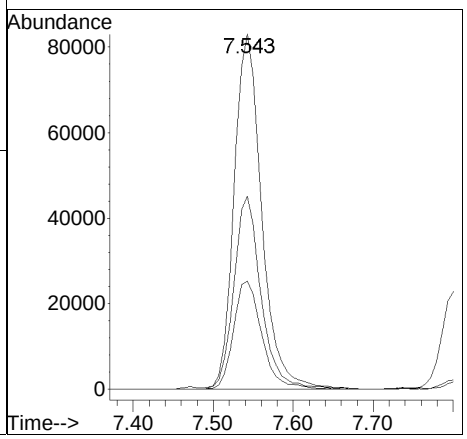


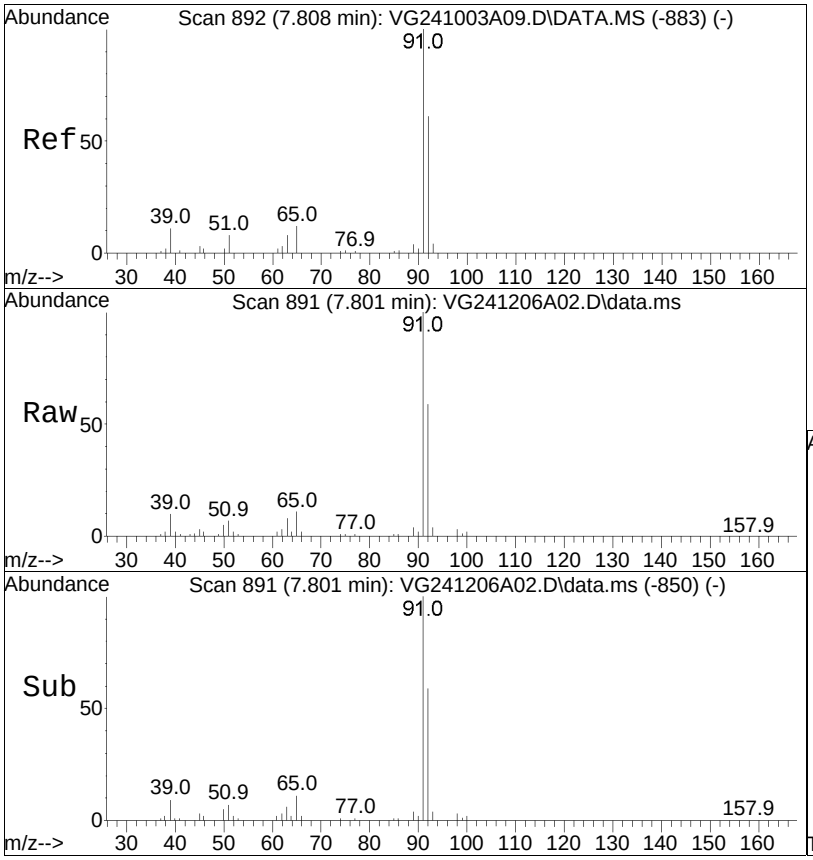


#58
cis-1,3-Dichloropropene
Concen: 9.53 ug/L
RT: 7.543 min Scan# 855
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 75 Resp: 200251

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	53.8	40.8	61.2

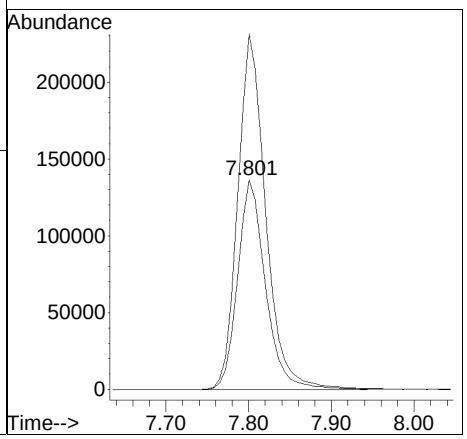


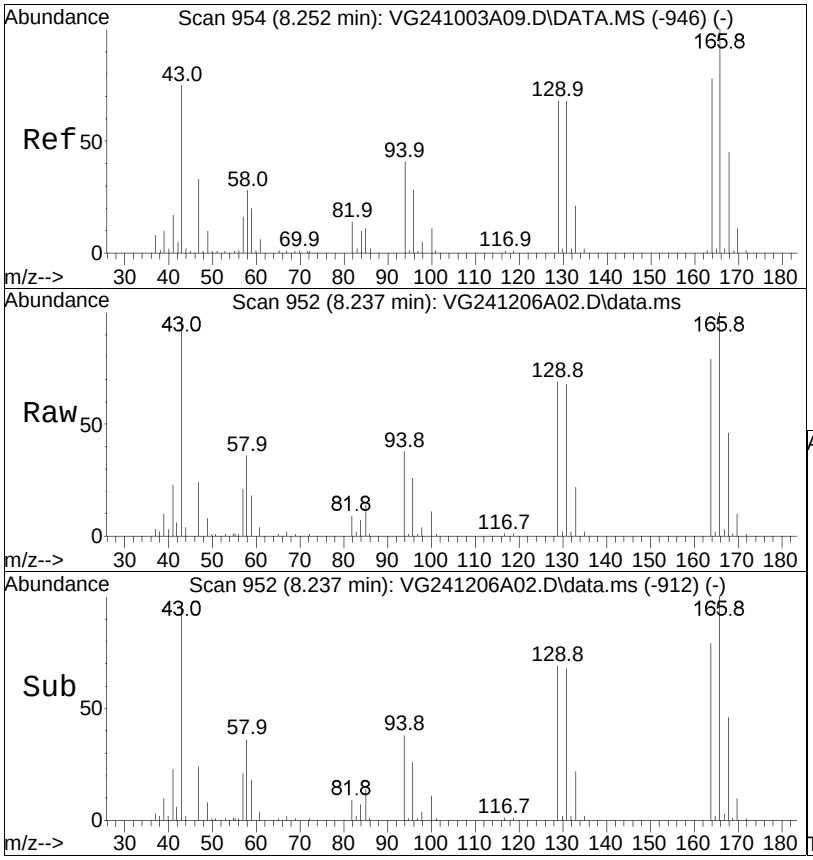


#61
Toluene
Concen: 9.33 ug/L
RT: 7.801 min Scan# 891
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 92 Resp: 318178

Ion	Ratio	Lower	Upper
92	100		
91	170.1	134.8	202.2

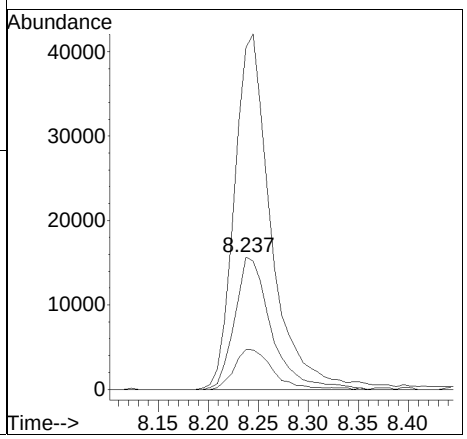


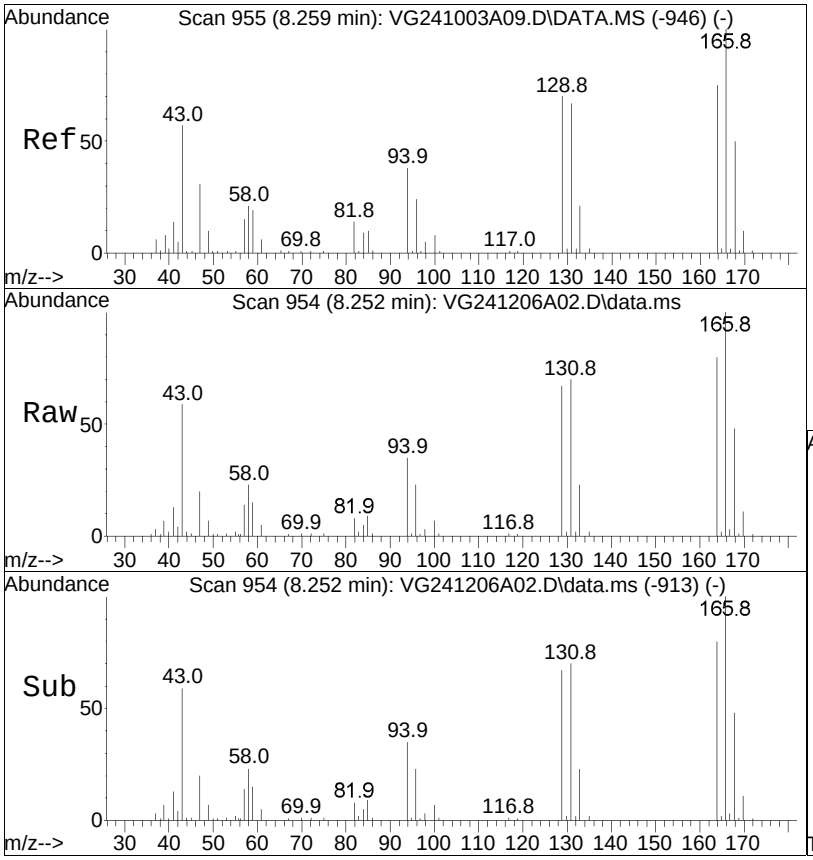


#62
4-Methyl-2-pentanone
Concen: 8.38 ug/L
RT: 8.237 min Scan# 952
Delta R.T. -0.015 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 58 Resp: 40054

Ion	Ratio	Lower	Upper
58	100		
100	32.3	33.6	50.4#
43	270.2	204.3	306.5

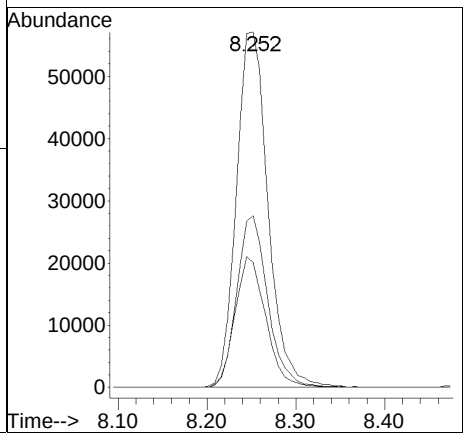


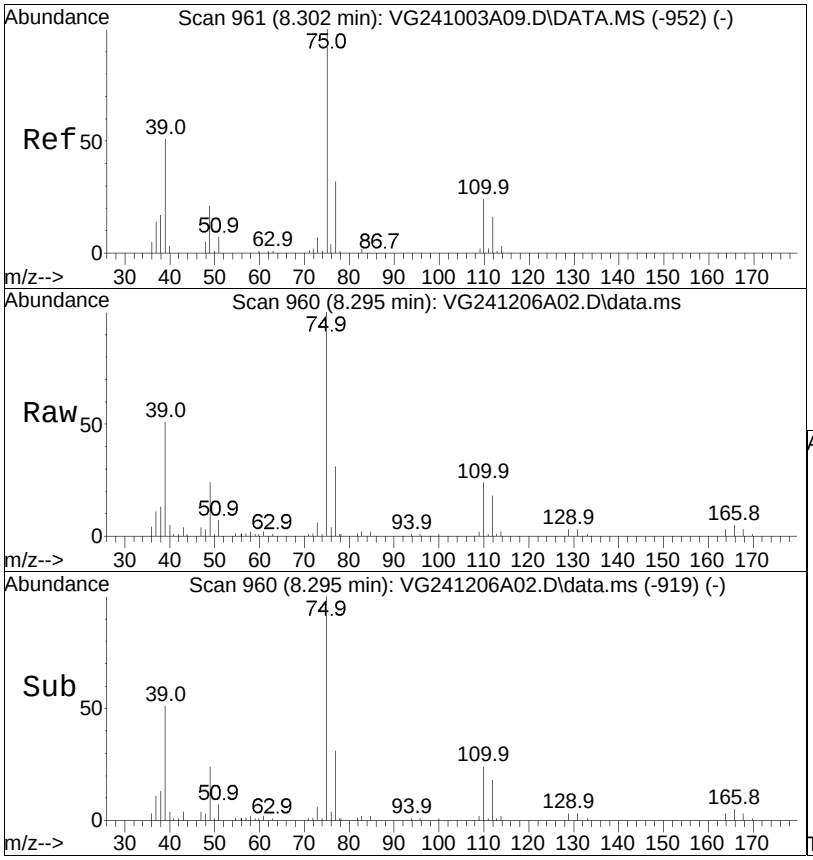


#63
Tetrachloroethene
Concen: 9.60 ug/L
RT: 8.252 min Scan# 954
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:166 Resp: 141718

Ion	Ratio	Lower	Upper
166	100		
168	47.2	27.3	67.3
94	35.7	20.5	60.5

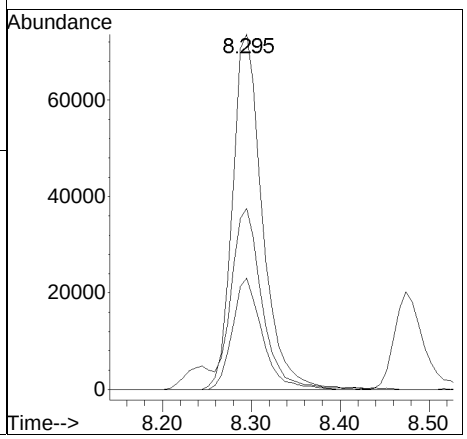


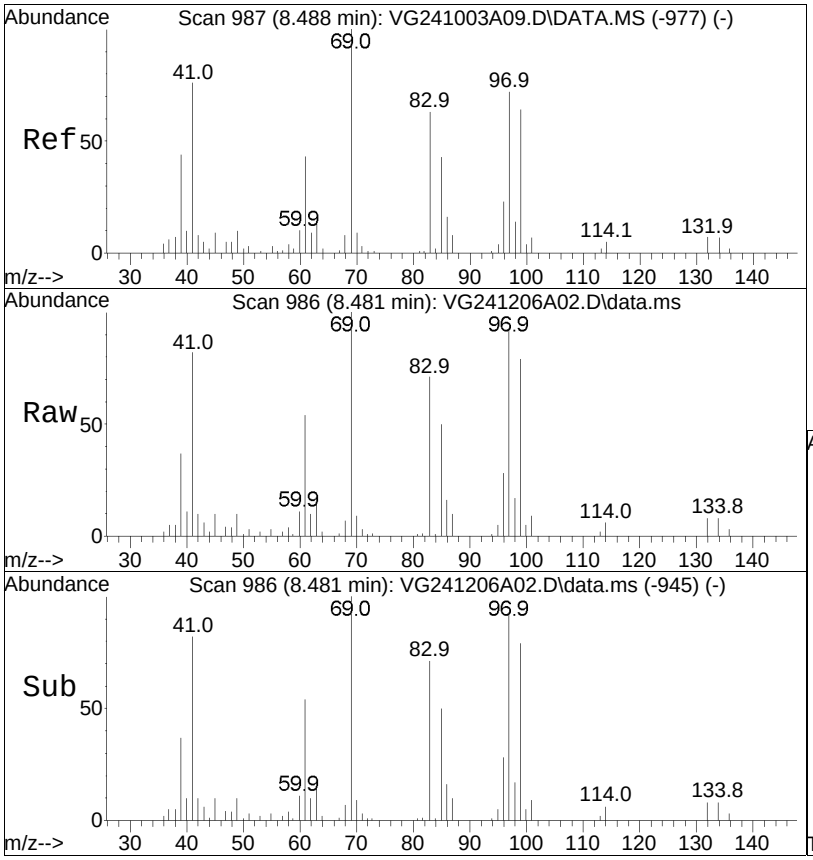


#65
trans-1,3-Dichloropropene
Concen: 8.67 ug/L
RT: 8.295 min Scan# 960
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 75 Resp: 172516

Ion	Ratio	Lower	Upper
75	100		
77	31.2	11.3	51.3
39	51.1	36.0	76.0

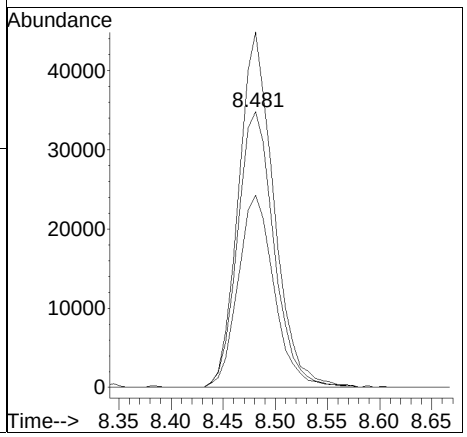


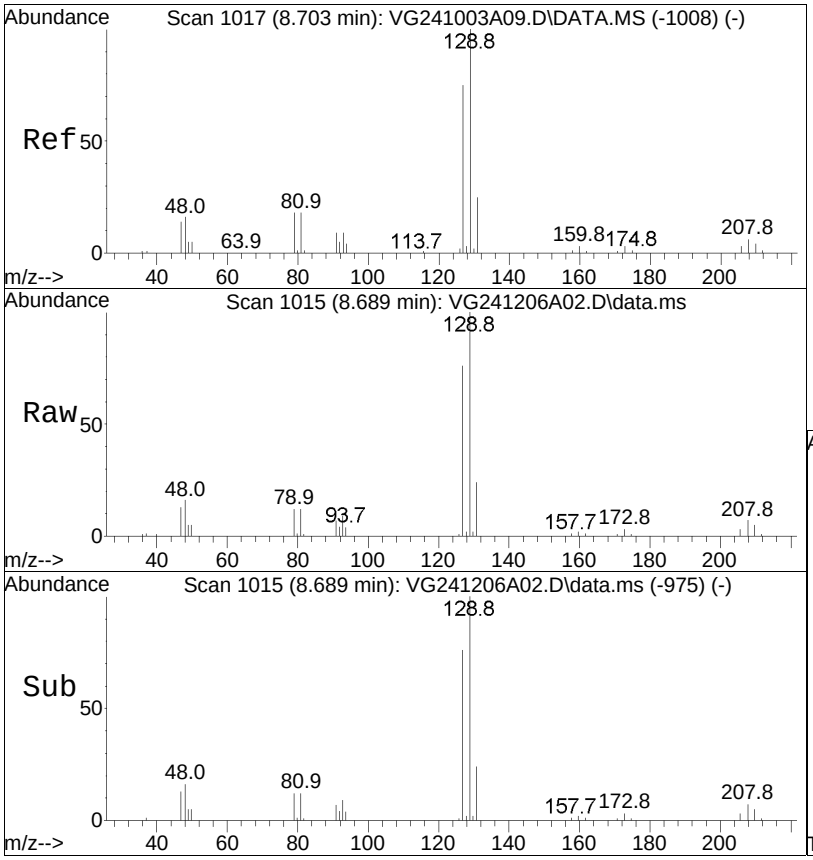


#68
1,1,2-Trichloroethane
Concen: 8.16 ug/L
RT: 8.481 min Scan# 986
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 83 Resp: 84688

Ion	Ratio	Lower	Upper
83	100		
97	124.6	101.0	141.0
85	69.2	47.9	87.9

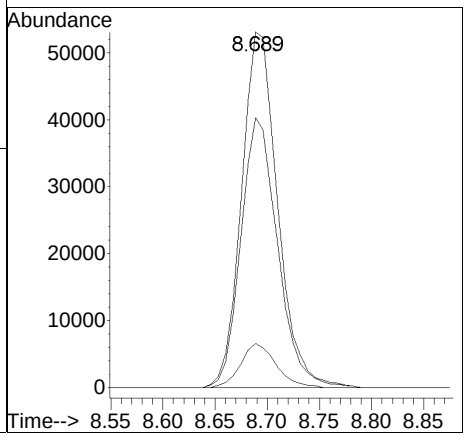


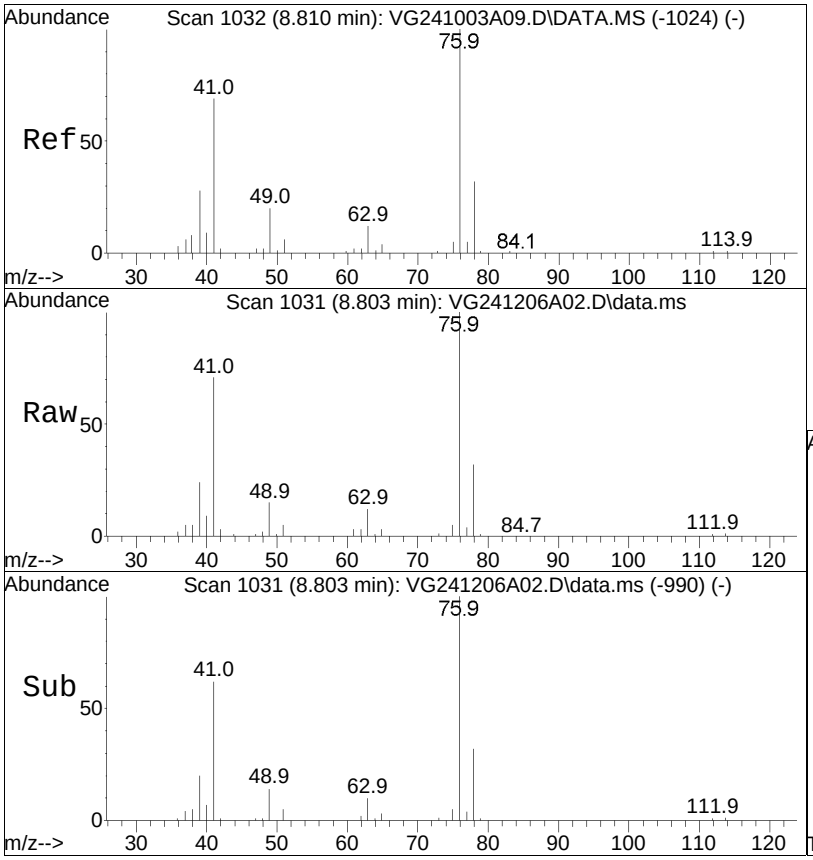


#69
Chlorodibromomethane
Concen: 8.90 ug/L
RT: 8.689 min Scan# 1015
Delta R.T. -0.014 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:129 Resp: 127735

Ion	Ratio	Lower	Upper
129	100		
81	12.1	0.0	35.0
127	77.2	57.1	97.1

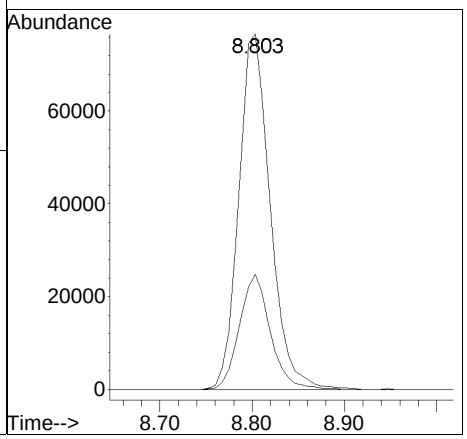


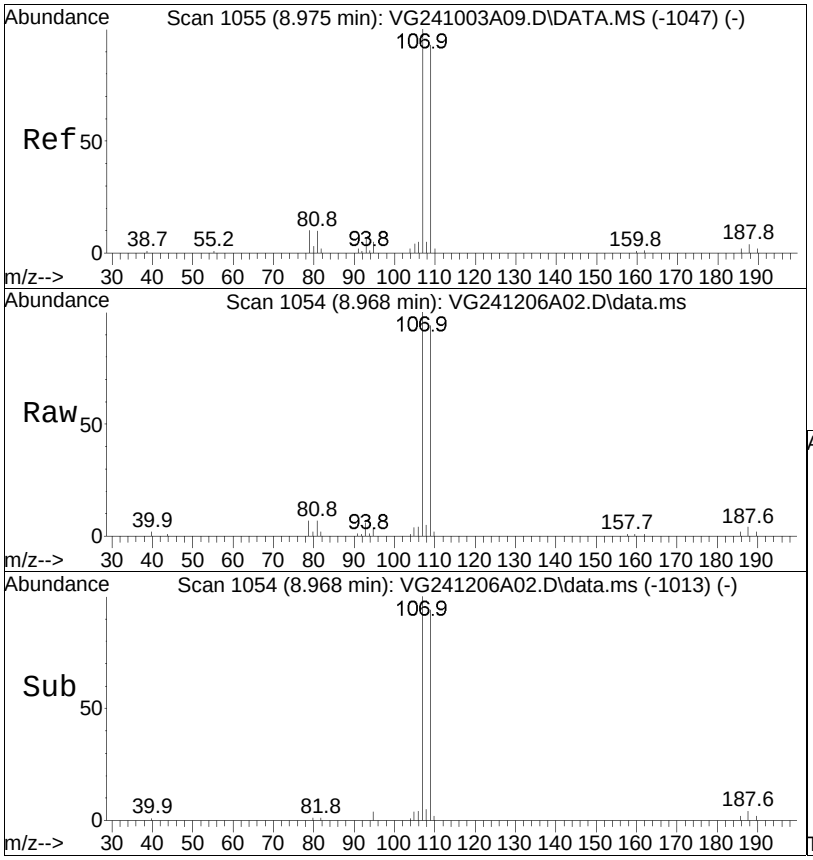


#70
1,3-Dichloropropane
Concen: 8.81 ug/L
RT: 8.803 min Scan# 1031
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 76 Resp: 181428

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.4	38.2

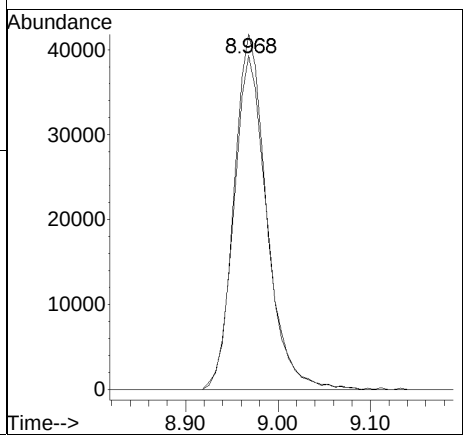


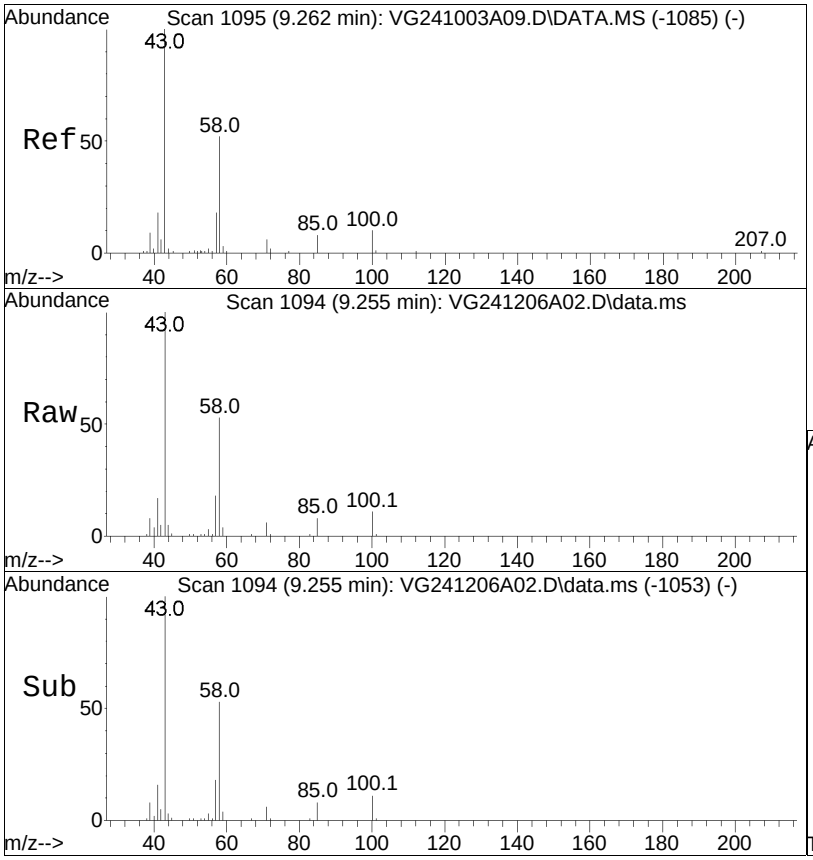


#71
1,2-Dibromoethane
Concen: 8.39 ug/L
RT: 8.968 min Scan# 1054
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:107 Resp: 103013

Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.0	114.0

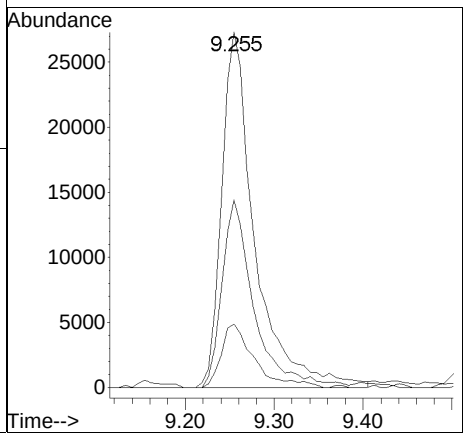


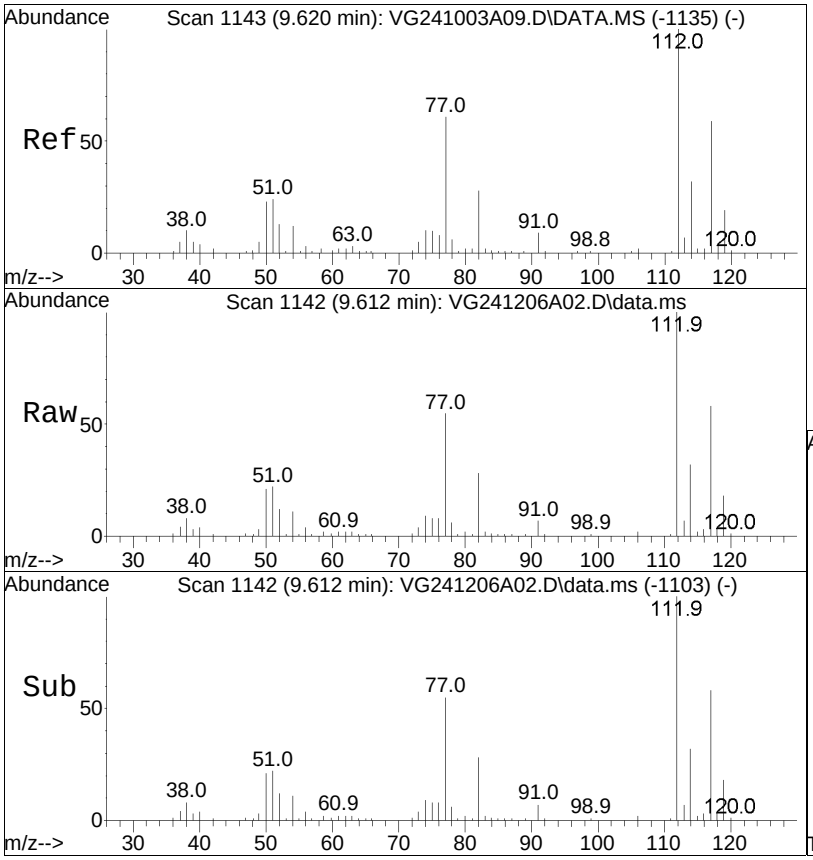


#72
2-Hexanone
Concen: 8.26 ug/L
RT: 9.255 min Scan# 1094
Delta R.T. -0.007 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 43 Resp: 70633

Ion	Ratio	Lower	Upper
43	100		
58	50.9	43.8	65.6
57	17.8	15.2	22.8

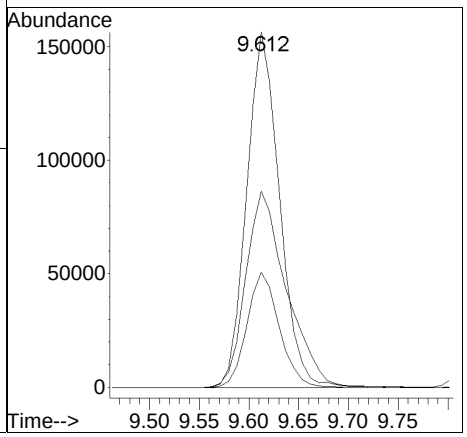


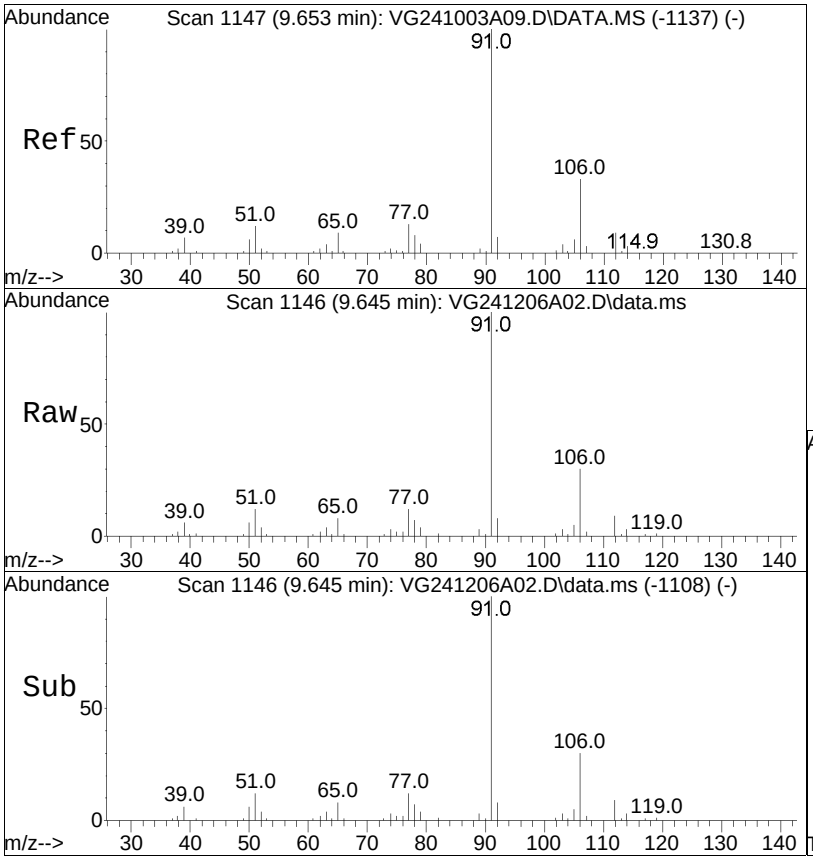


#73
Chlorobenzene
Concen: 9.78 ug/L
RT: 9.612 min Scan# 1142
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:112 Resp: 358596

Ion	Ratio	Lower	Upper
112	100		
77	68.9	55.9	83.9
114	31.9	25.4	38.0

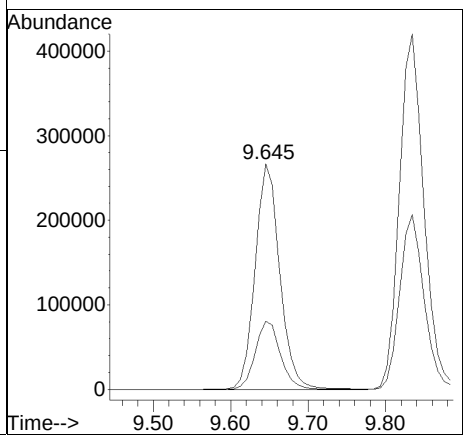


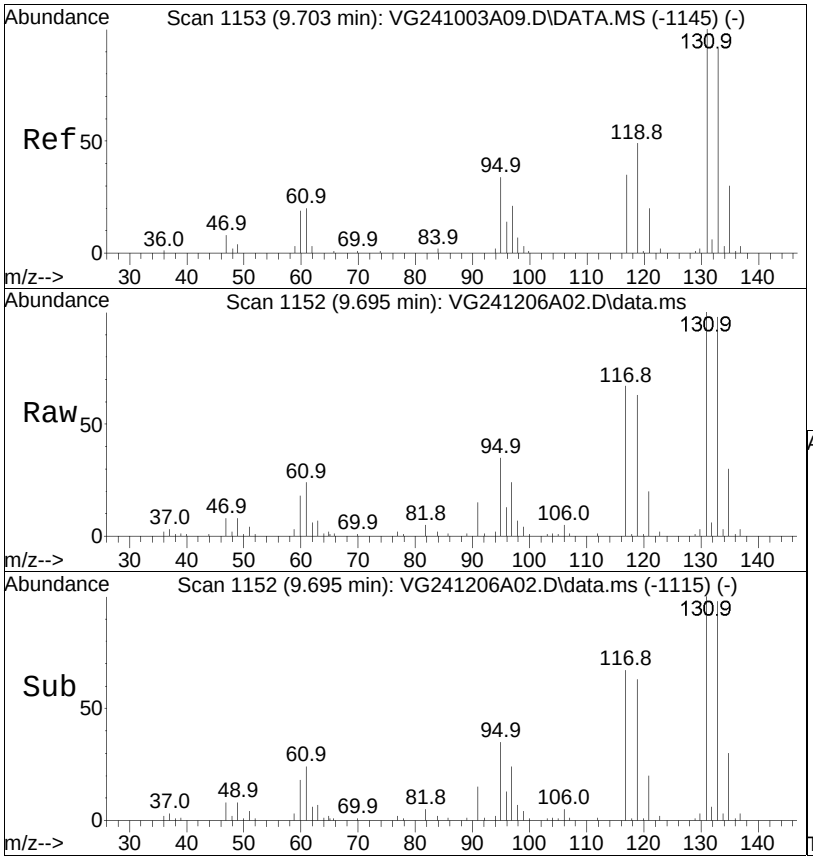


#74
Ethylbenzene
Concen: 9.01 ug/L
RT: 9.645 min Scan# 1146
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 91 Resp: 590793

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.3	37.9

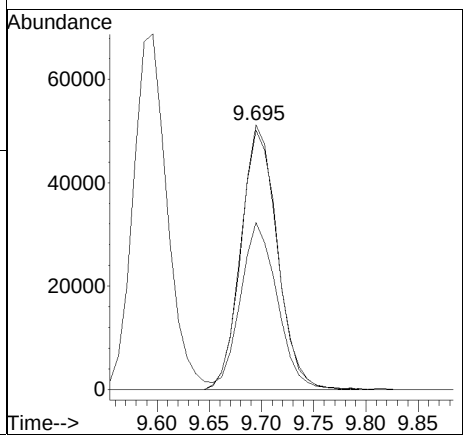


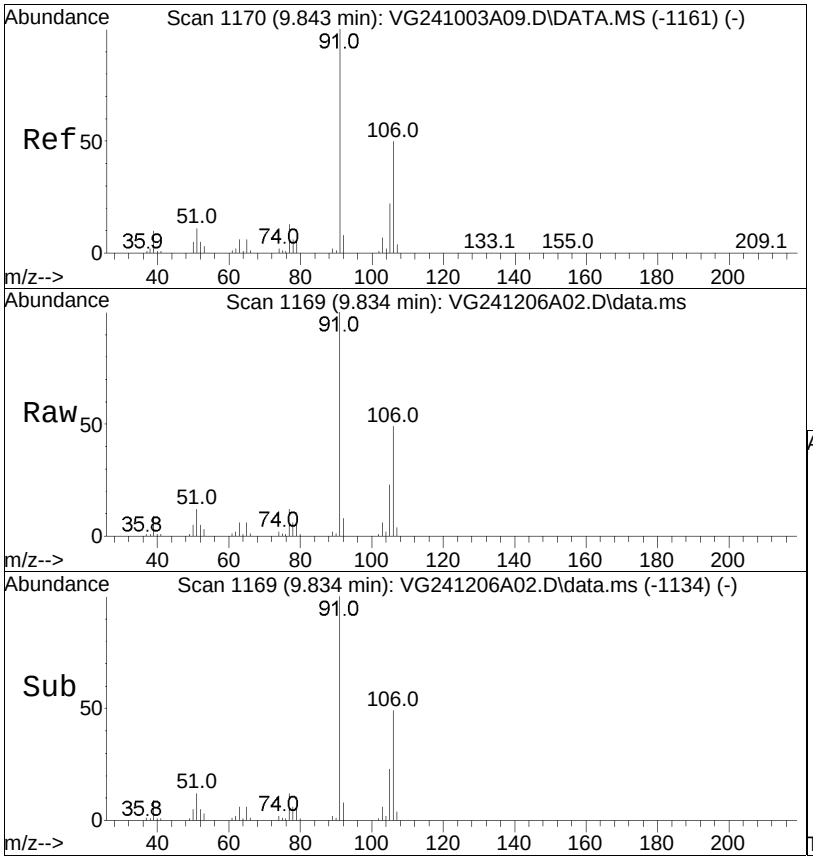


#75
1,1,1,2-Tetrachloroethane
Concen: 8.75 ug/L
RT: 9.695 min Scan# 1152
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:131 Resp: 122958

Ion	Ratio	Lower	Upper
131	100		
133	99.8	77.3	117.3
119	64.0	42.7	82.7

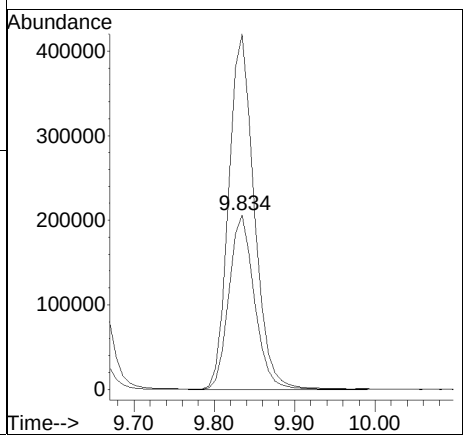


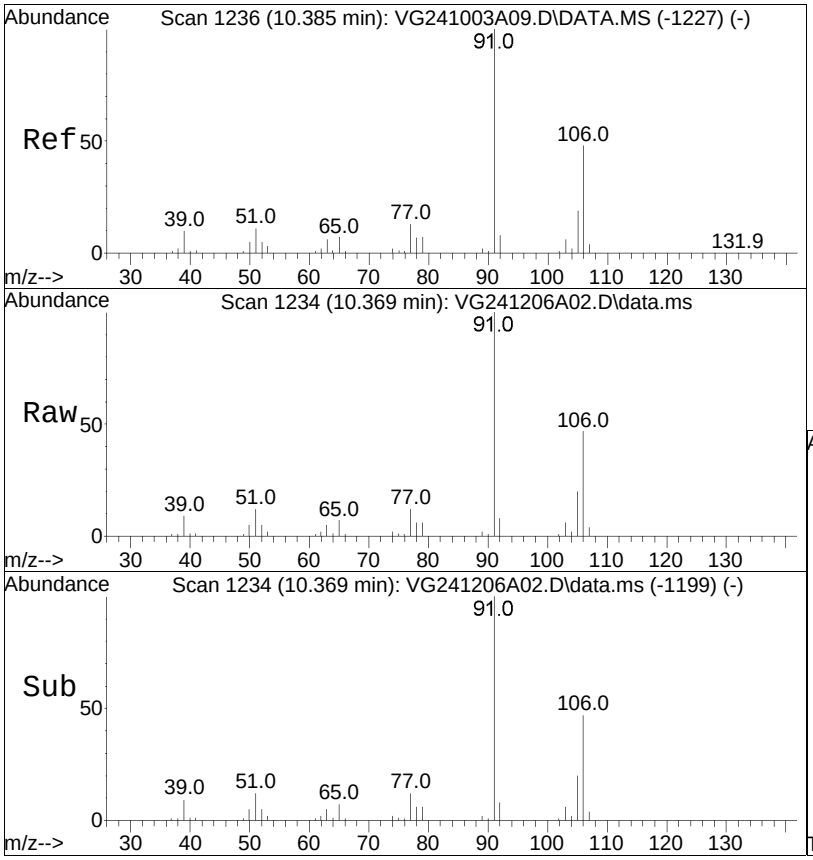


#76
p/m Xylene
Concen: 18.25 ug/L
RT: 9.834 min Scan# 1169
Delta R.T. -0.009 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:106 Resp: 455204

Ion	Ratio	Lower	Upper
106	100		
91	202.9	157.1	235.7

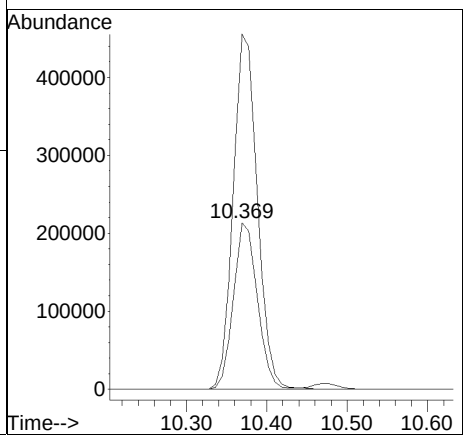


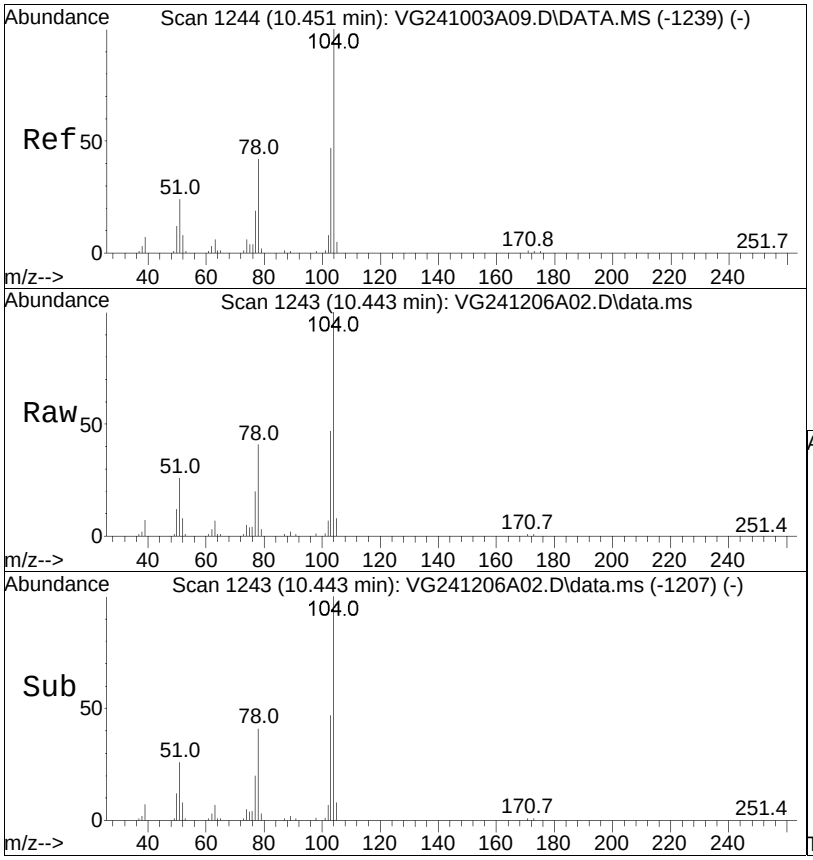


#77
o Xylene
Concen: 18.47 ug/L
RT: 10.369 min Scan# 1234
Delta R.T. -0.016 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:106 Resp: 446173

Ion	Ratio	Lower	Upper
106	100		
91	213.2	164.7	247.1

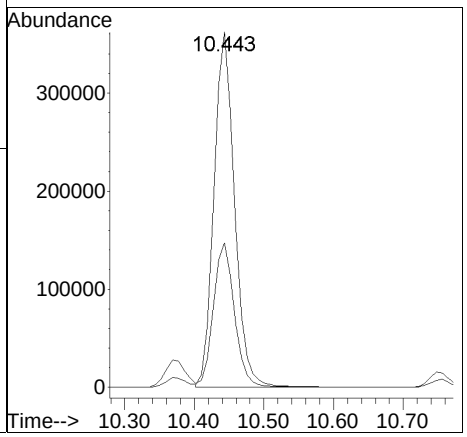


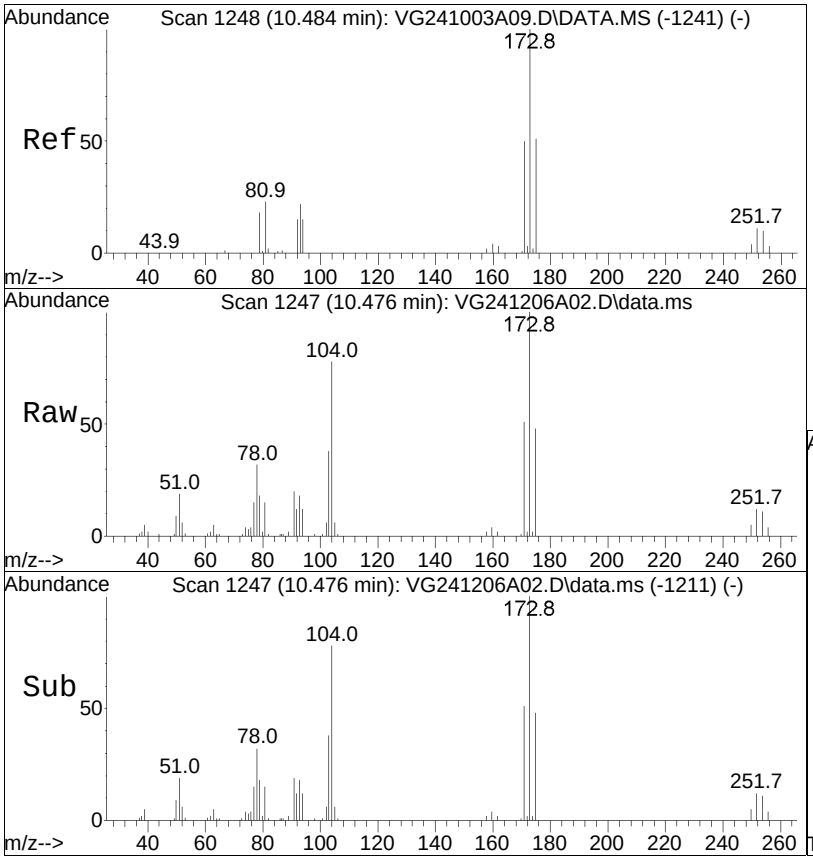


#78
Styrene
Concen: 18.09 ug/L
RT: 10.443 min Scan# 1243
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:104 Resp: 743921

Ion	Ratio	Lower	Upper
104	100		
78	41.4	32.2	48.4

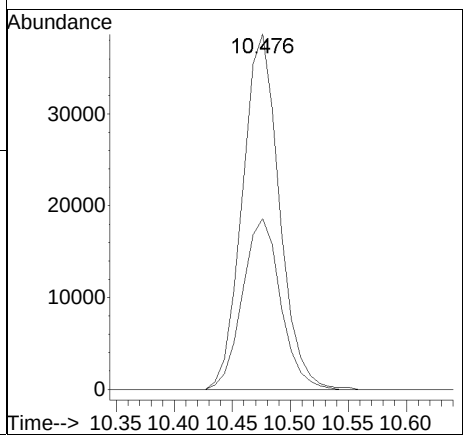


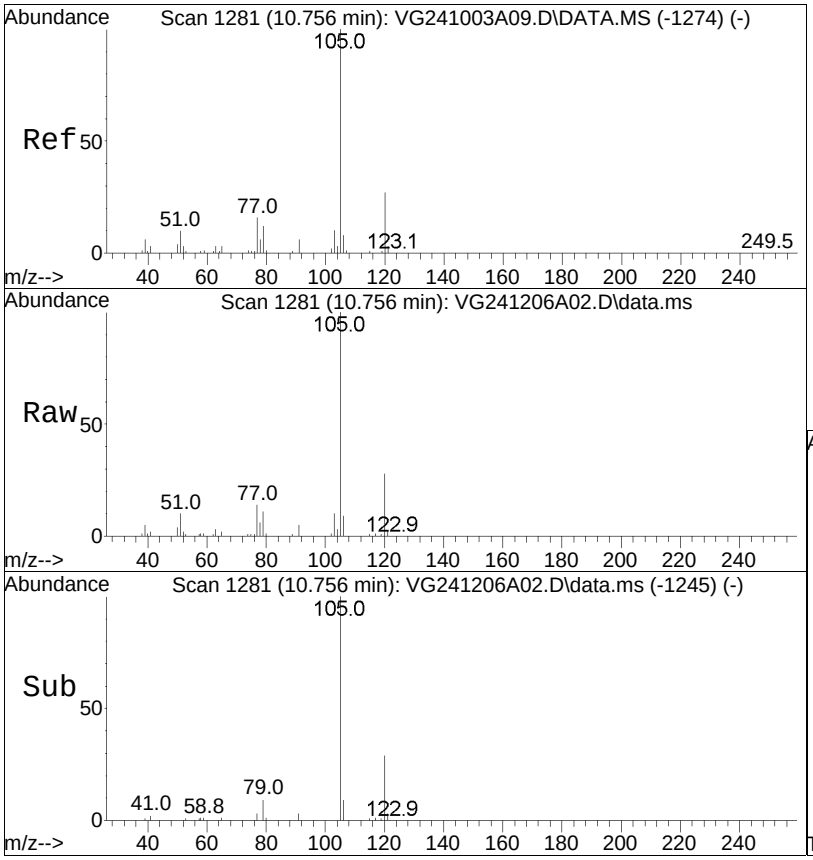


#80
Bromoform
Concen: 8.76 ug/L
RT: 10.476 min Scan# 1247
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:173 Resp: 85496

Ion	Ratio	Lower	Upper
173	100		
175	49.6	28.0	68.0

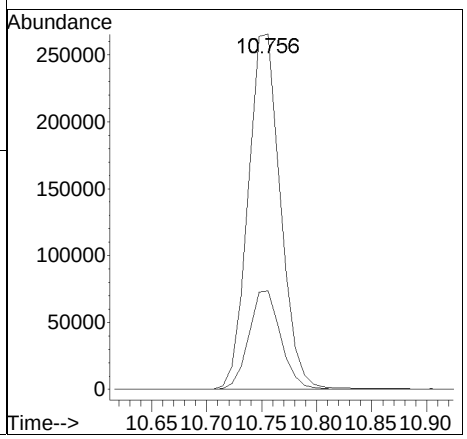


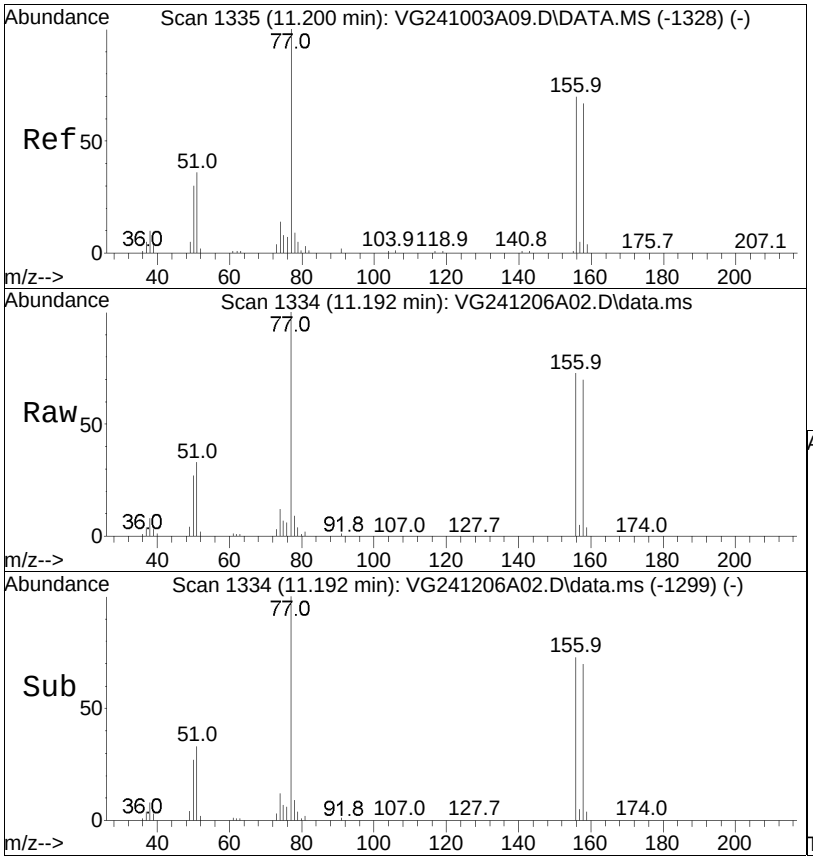


#82
Isopropylbenzene
Concen: 9.06 ug/L
RT: 10.756 min Scan# 1281
Delta R.T. -0.000 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:105 Resp: 543695

Ion	Ratio	Lower	Upper
105	100		
120	27.4	7.0	47.0

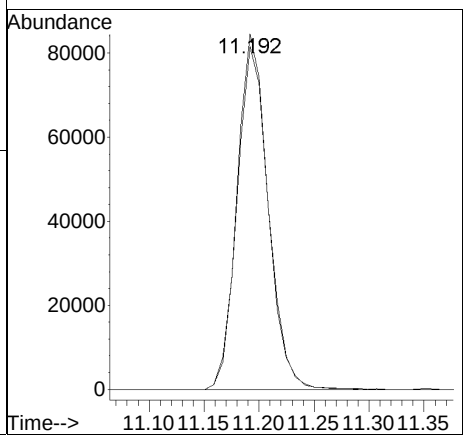


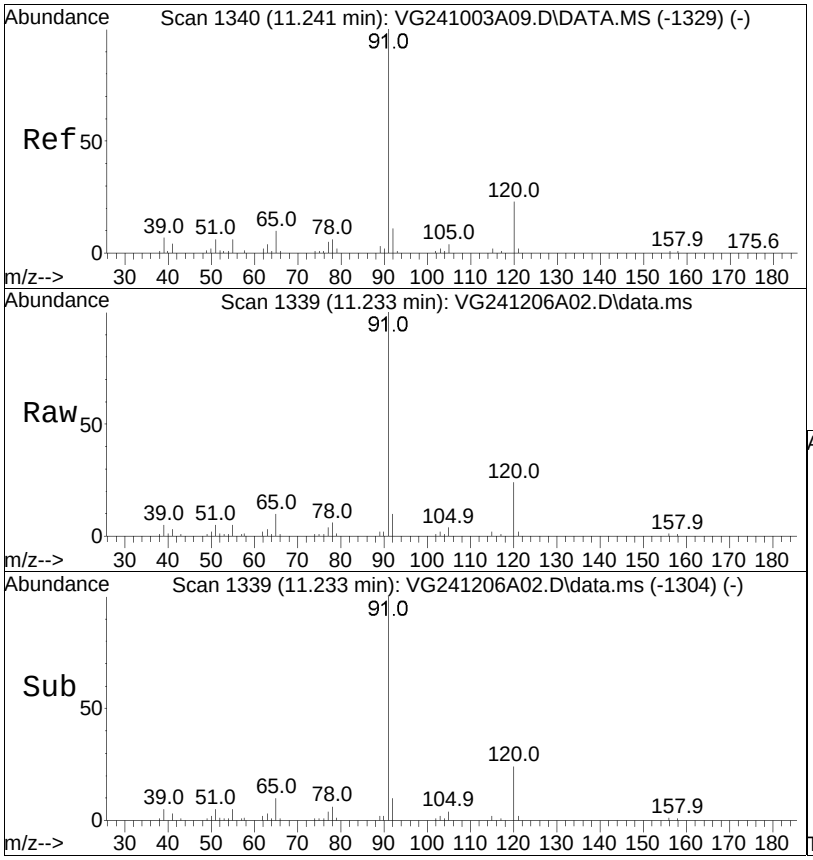


#84
Bromobenzene
Concen: 10.23 ug/L
RT: 11.192 min Scan# 1334
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:156 Resp: 166041

Ion	Ratio	Lower	Upper
156	100		
158	96.6	76.9	115.3

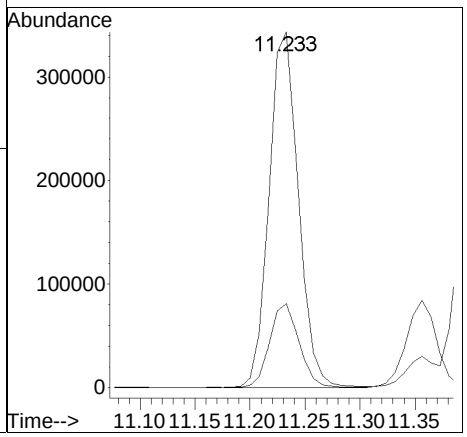


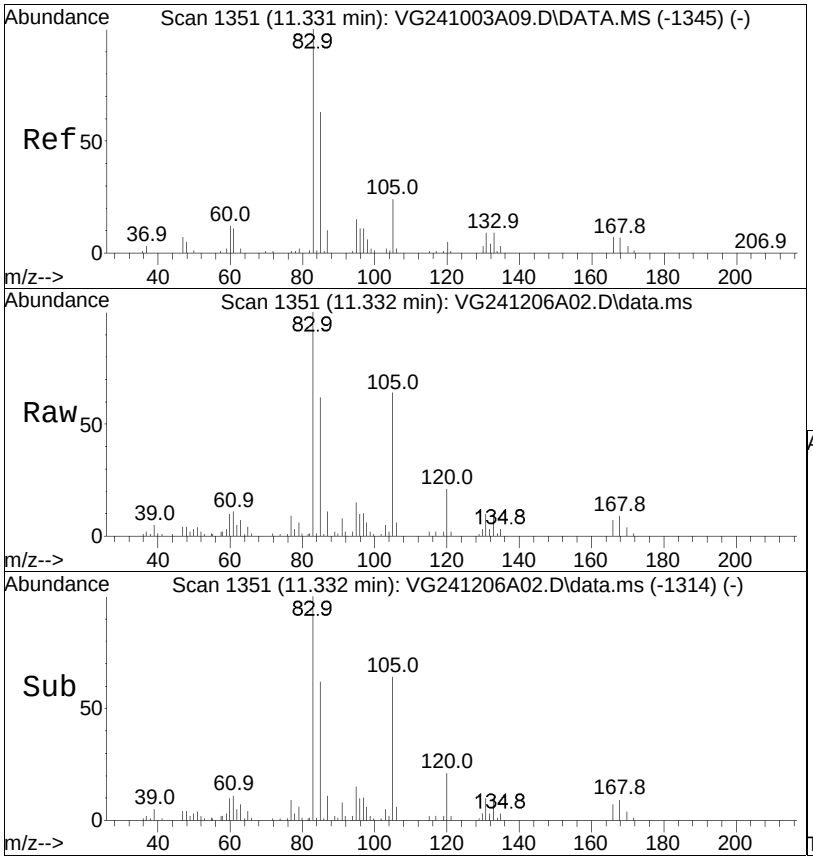


#85
n-Propylbenzene
Concen: 9.12 ug/L
RT: 11.233 min Scan# 1339
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 91 Resp: 637328

Ion	Ratio	Lower	Upper
91	100		
120	23.5	19.0	28.6

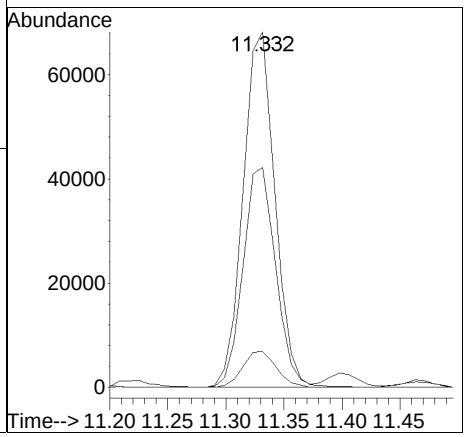


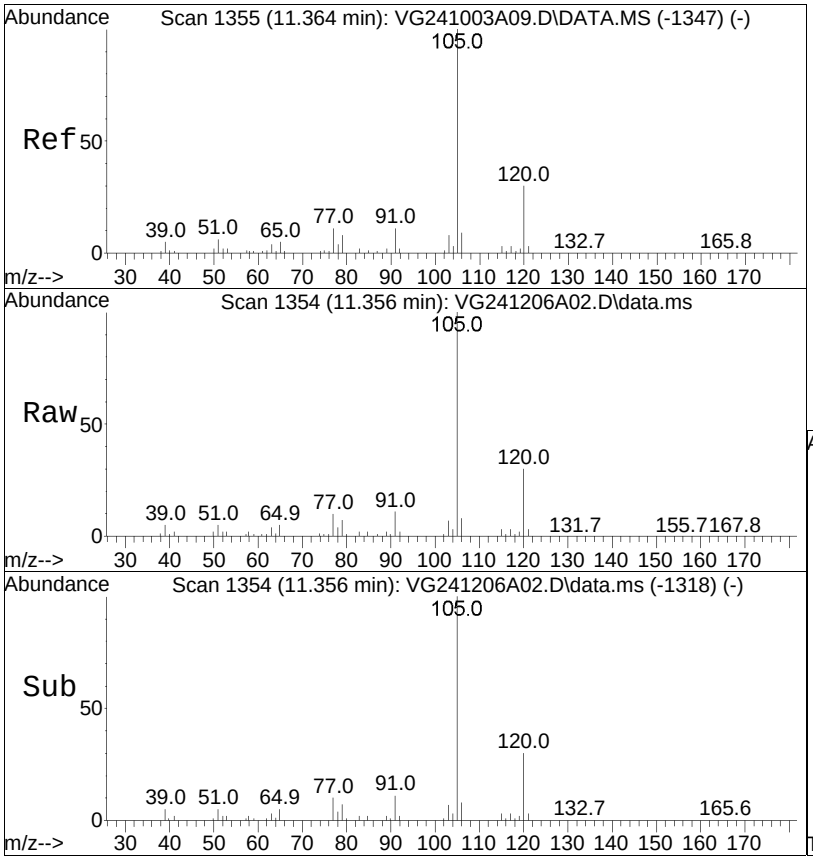


#87
1,1,2,2-Tetrachloroethane
Concen: 8.57 ug/L
RT: 11.332 min Scan# 1351
Delta R.T. 0.001 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 83 Resp: 130105

Ion	Ratio	Lower	Upper
83	100		
131	10.8	0.0	31.0
85	63.4	43.9	83.9

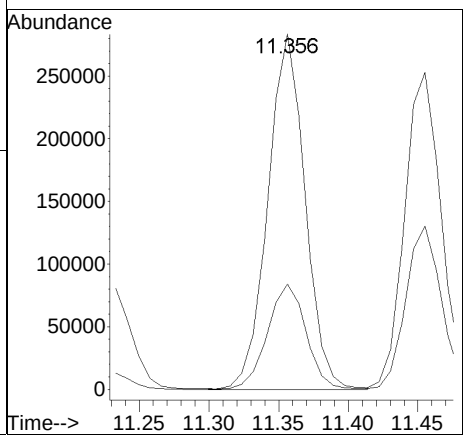


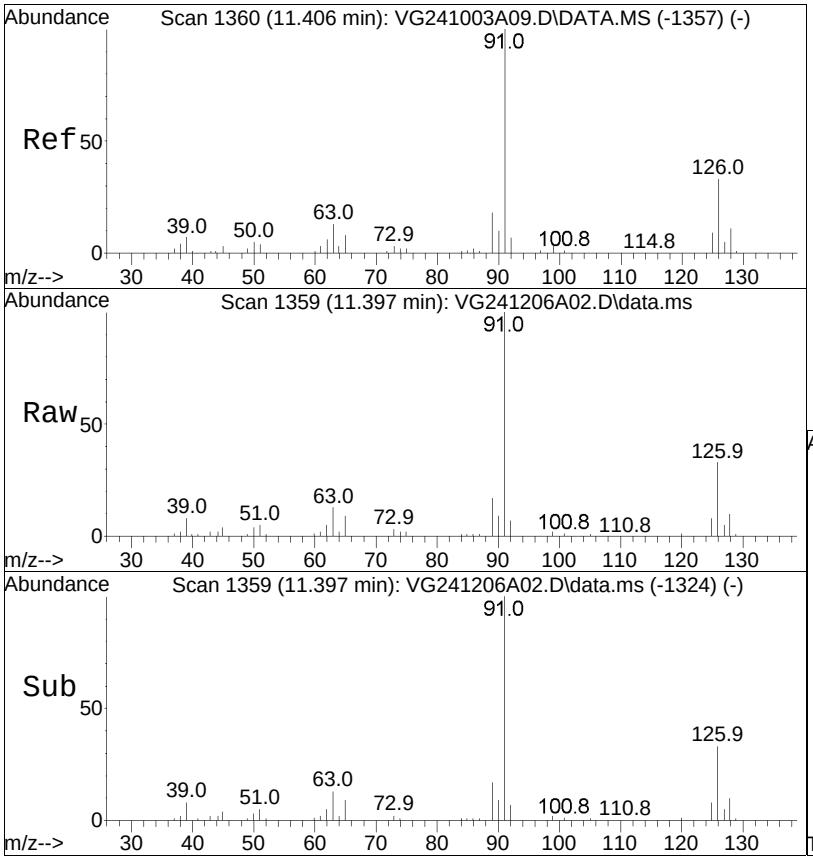


#88
4-Ethyltoluene
Concen: 9.20 ug/L
RT: 11.356 min Scan# 1354
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:105 Resp: 526098

Ion	Ratio	Lower	Upper
105	100		
120	30.7	19.9	41.3

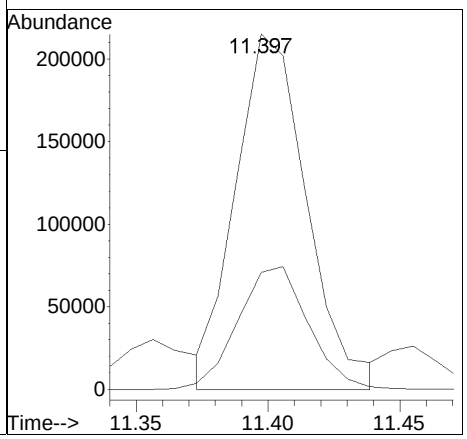


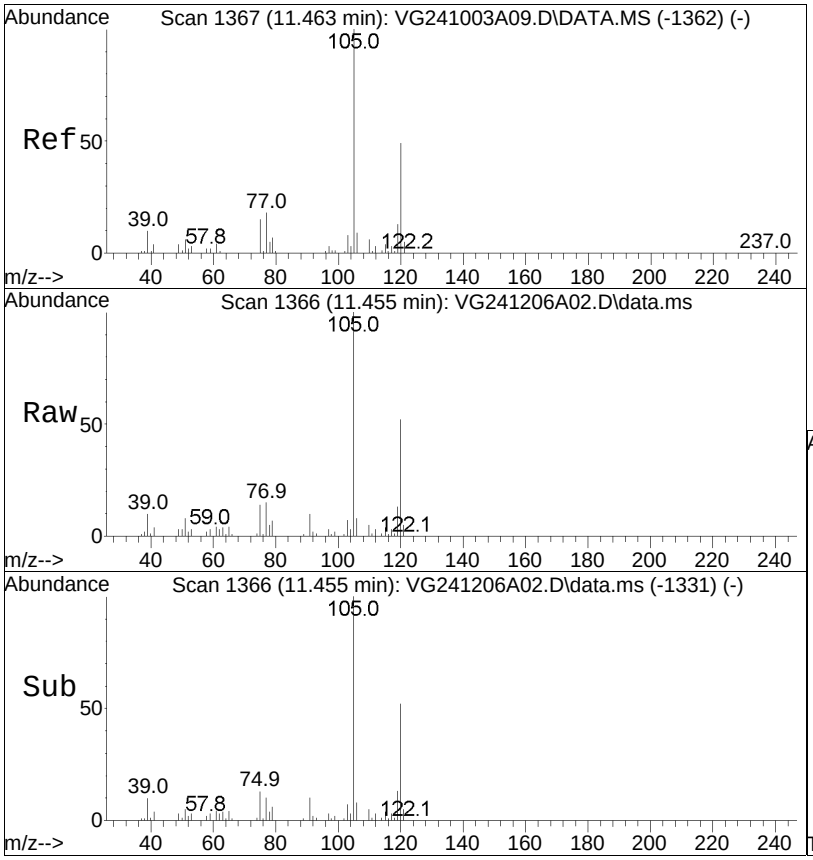


#89
2-Chlorotoluene
Concen: 9.47 ug/L M6
RT: 11.397 min Scan# 1359
Delta R.T. -0.009 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 91 Resp: 403451

Ion	Ratio	Lower	Upper
91	100		
126	34.4	27.4	41.2

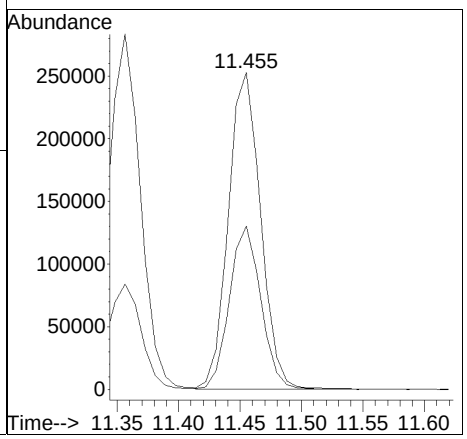


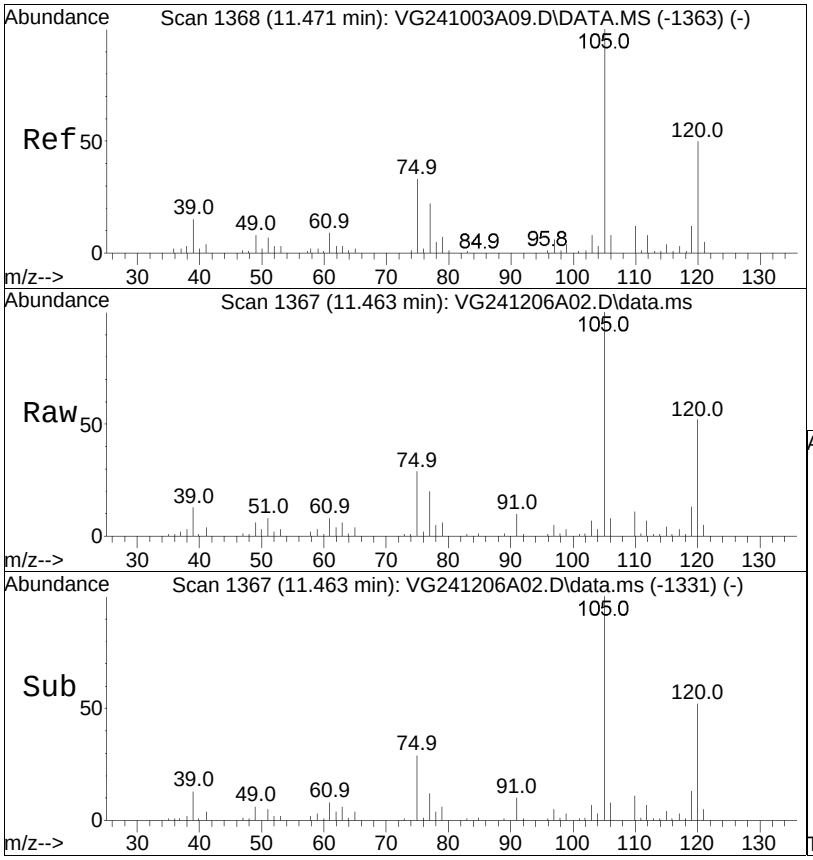


#90
1,3,5-Trimethylbenzene
Concen: 9.08 ug/L
RT: 11.455 min Scan# 1366
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:105 Resp: 459963

Ion	Ratio	Lower	Upper
105	100		
120	50.5	40.3	60.5

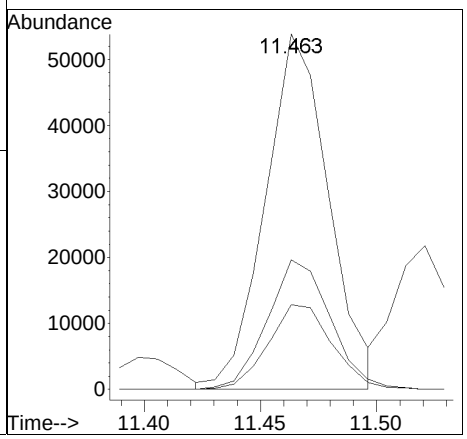


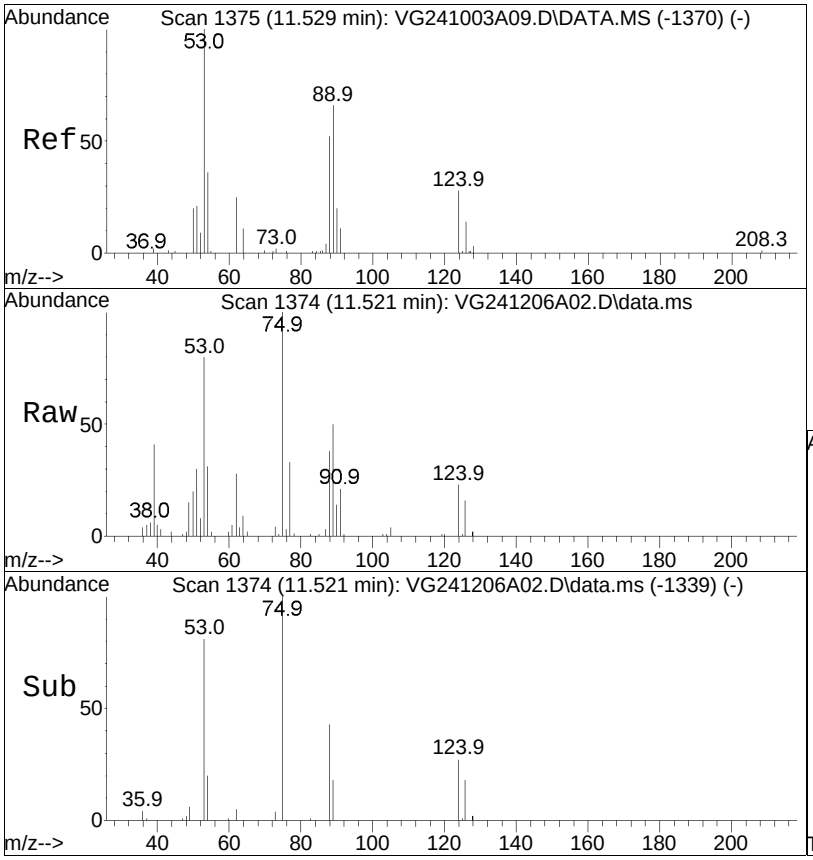


#91
1,2,3-Trichloropropane
Concen: 8.25 ug/L
RT: 11.463 min Scan# 1367
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 75 Resp: 102354

Ion	Ratio	Lower	Upper
75	100		
110	36.3	23.5	48.9
112	24.2	15.9	32.9

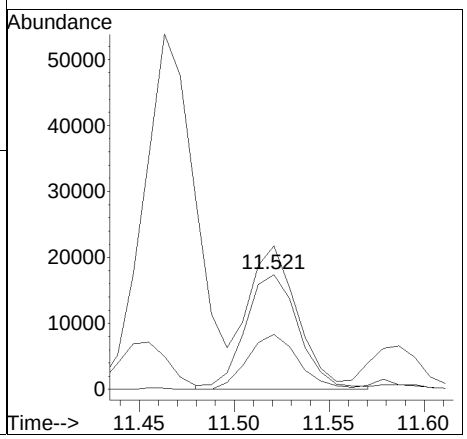


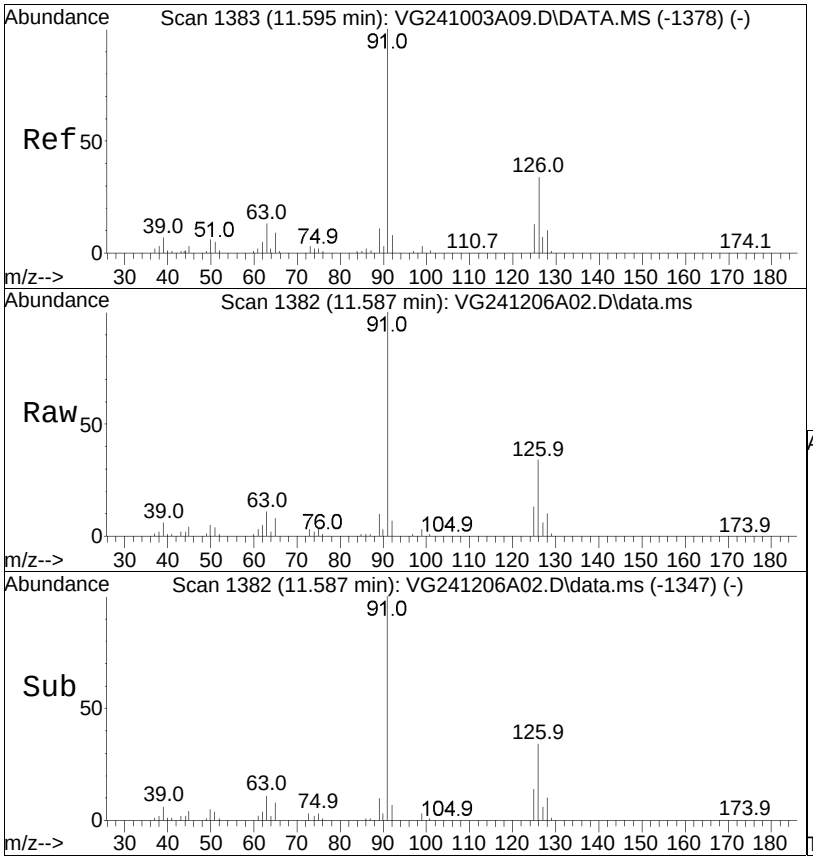


#92
trans-1,4-Dichloro-2-butene
Concen: 6.84 ug/L
RT: 11.521 min Scan# 1374
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 53 Resp: 34199

Ion	Ratio	Lower	Upper
53	100		
88	45.6	41.6	62.4
75	113.3	0.0	0.0#

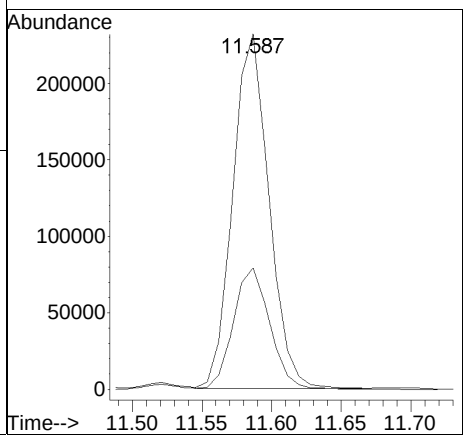


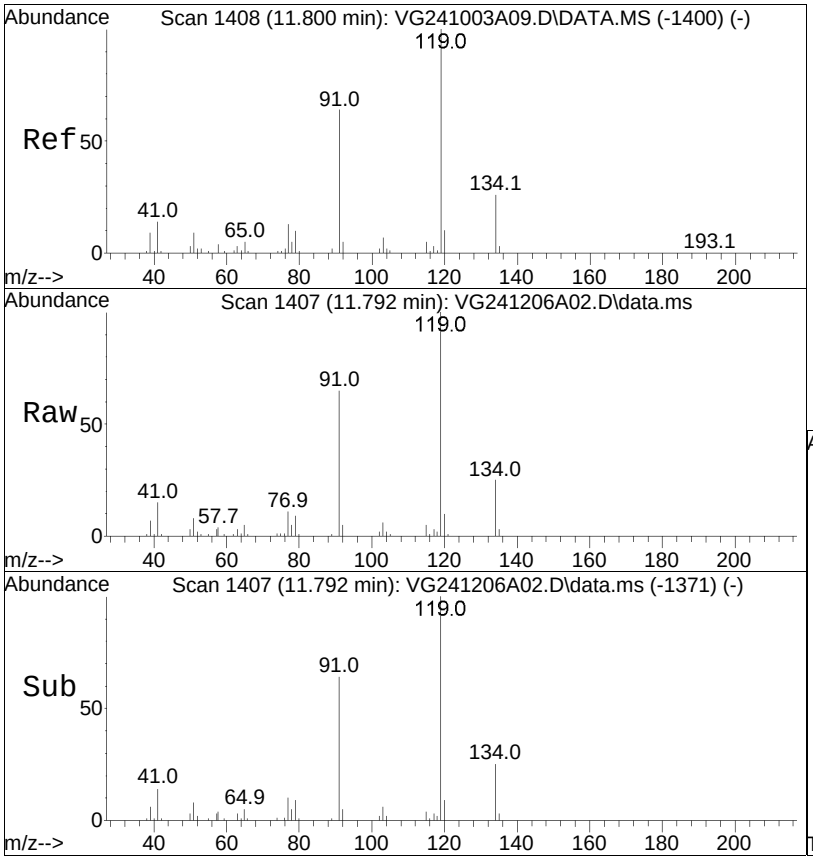


#93
4-Chlorotoluene
Concen: 9.31 ug/L
RT: 11.587 min Scan# 1382
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 91 Resp: 417439

Ion	Ratio	Lower	Upper
91	100		
126	34.4	28.2	42.4

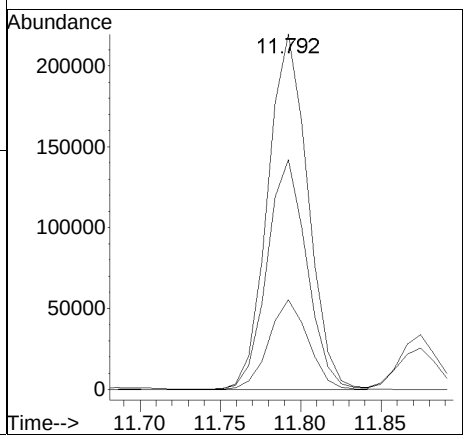


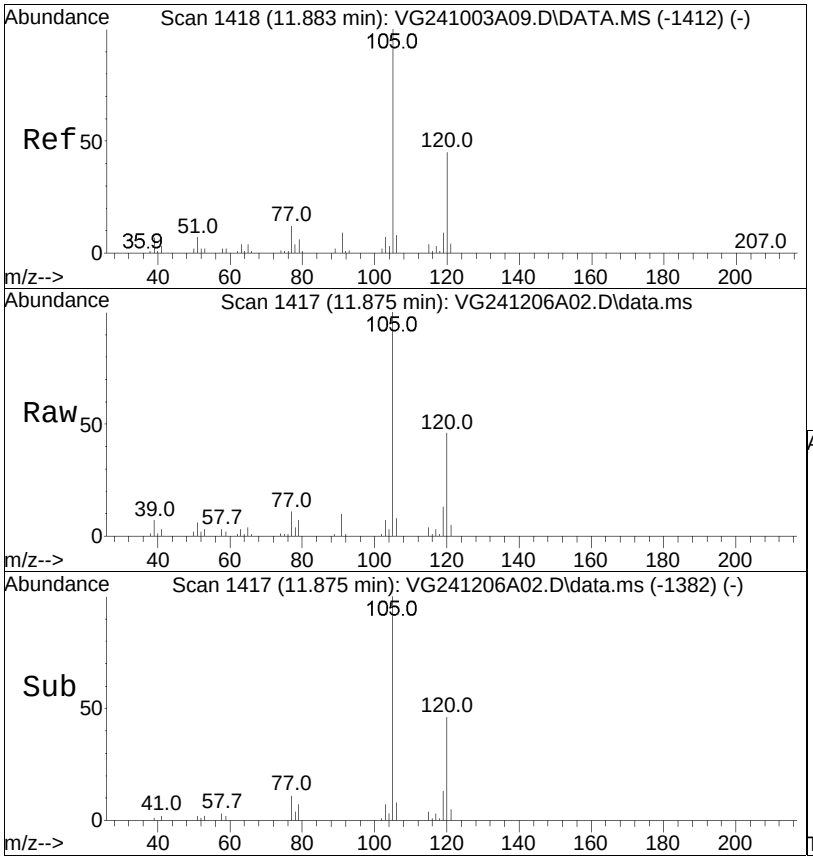


#94
tert-Butylbenzene
Concen: 9.57 ug/L
RT: 11.792 min Scan# 1407
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:119 Resp: 382279

Ion	Ratio	Lower	Upper
119	100		
91	63.9	50.8	76.2
134	24.7	20.2	30.4

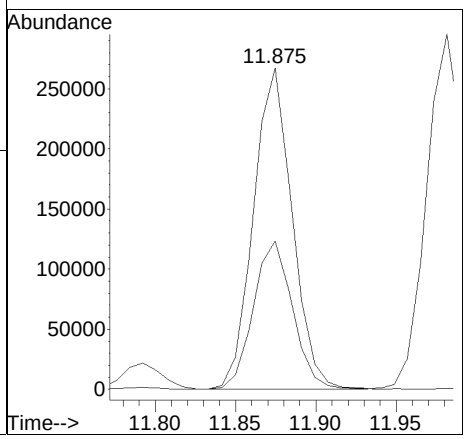


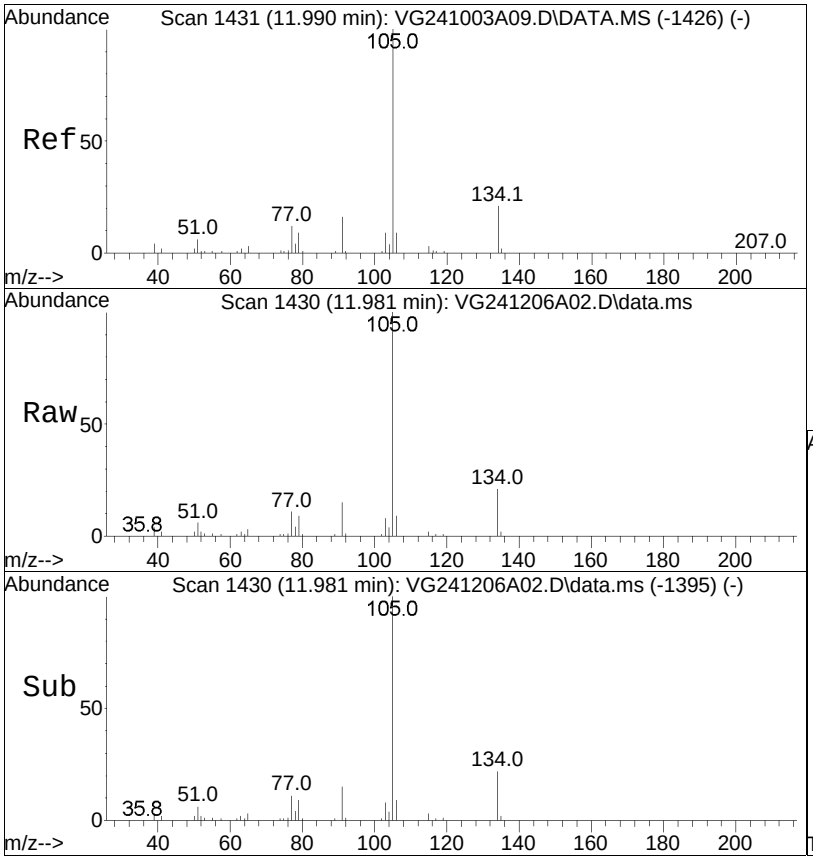


#97
1,2,4-Trimethylbenzene
Concen: 9.06 ug/L
RT: 11.875 min Scan# 1417
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:105 Resp: 447539

Ion	Ratio	Lower	Upper
105	100		
120	46.6	37.8	56.6

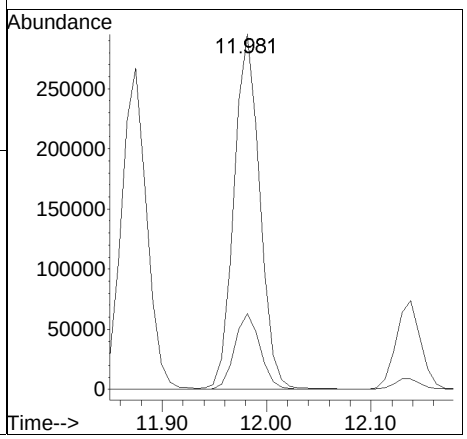


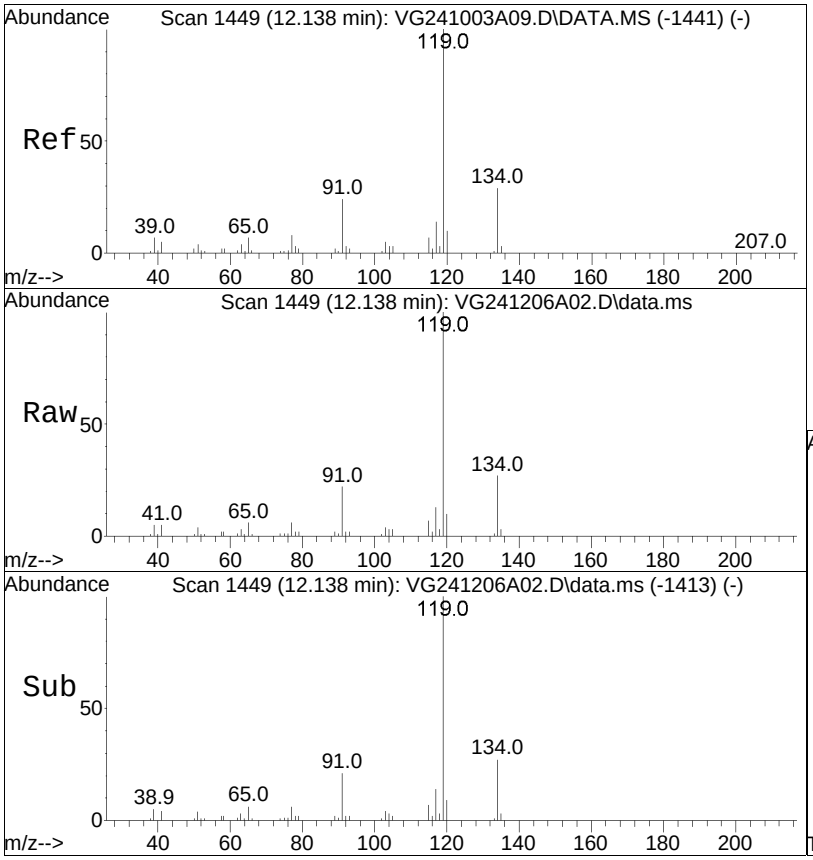


#98
sec-Butylbenzene
Concen: 8.82 ug/L
RT: 11.981 min Scan# 1430
Delta R.T. -0.009 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:105 Resp: 508343

Ion	Ratio	Lower	Upper
105	100		
134	21.1	13.3	27.7

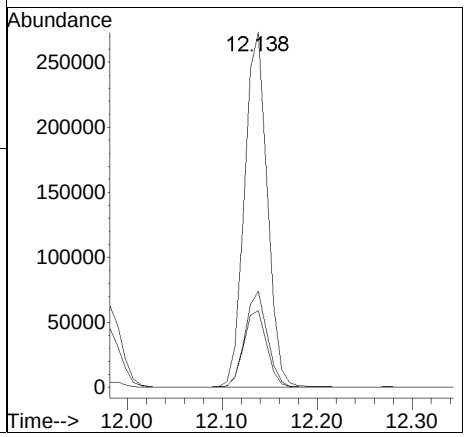


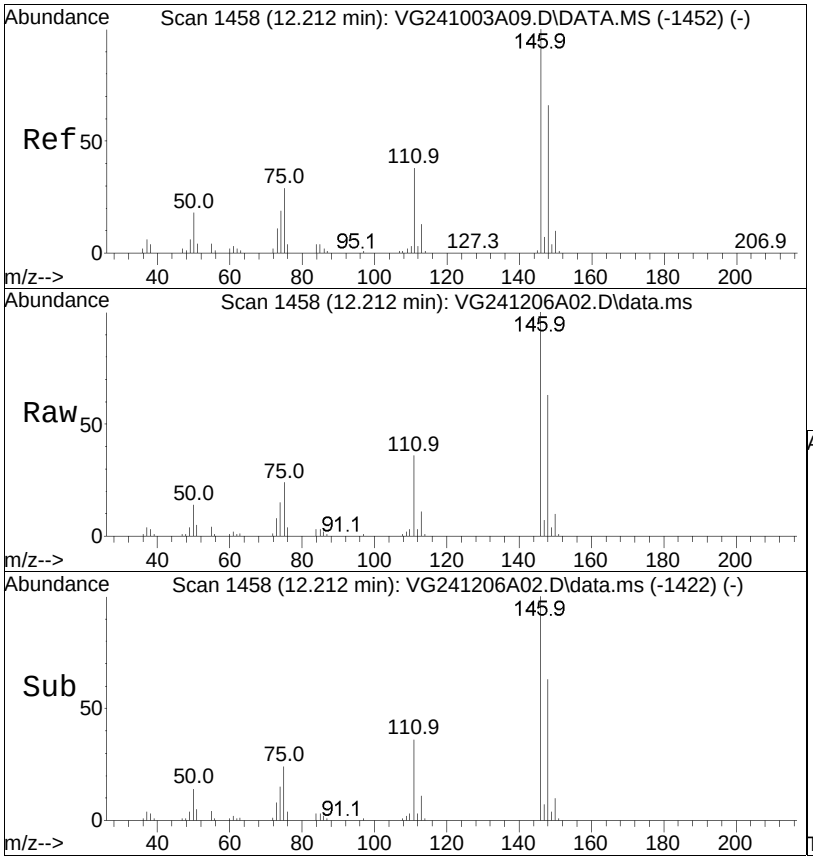


#99
p-Isopropyltoluene
Concen: 9.40 ug/L
RT: 12.138 min Scan# 1449
Delta R.T. -0.000 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:119 Resp: 459209

Ion	Ratio	Lower	Upper
119	100		
134	26.5	17.5	36.3
91	22.0	14.6	30.4

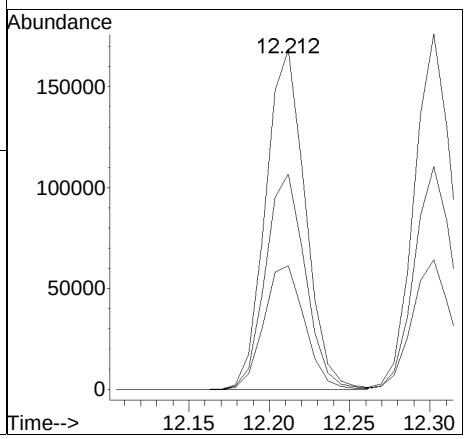


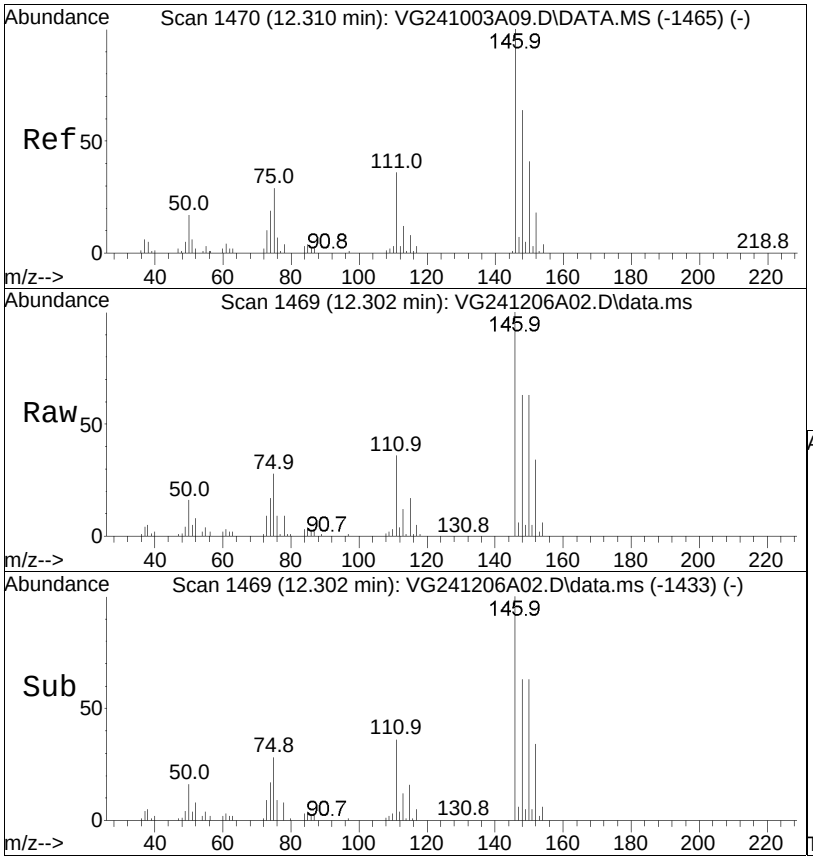


#100
1,3-Dichlorobenzene
Concen: 9.77 ug/L
RT: 12.212 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:146 Resp: 289070

Ion	Ratio	Lower	Upper
146	100		
111	37.5	24.4	50.6
148	63.6	41.0	85.2

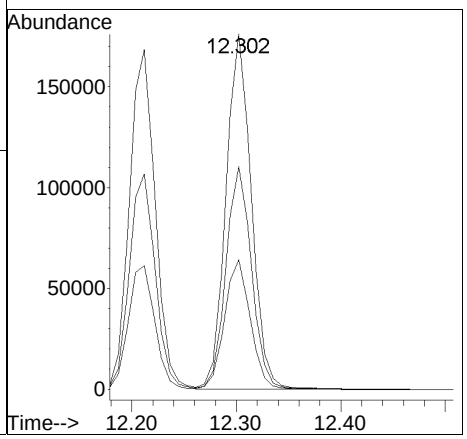


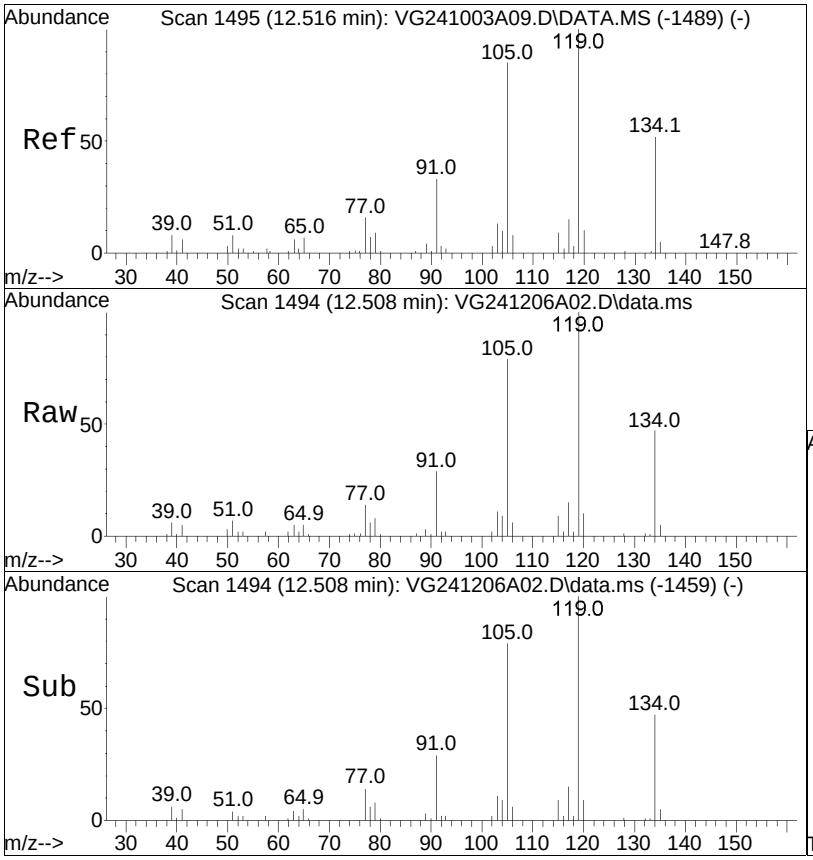


#101
1,4-Dichlorobenzene
Concen: 9.68 ug/L
RT: 12.302 min Scan# 1469
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:146 Resp: 297494

Ion	Ratio	Lower	Upper
146	100		
111	37.0	29.3	43.9
148	63.5	51.2	76.8

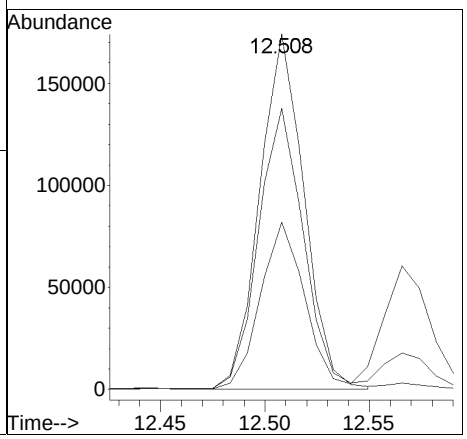


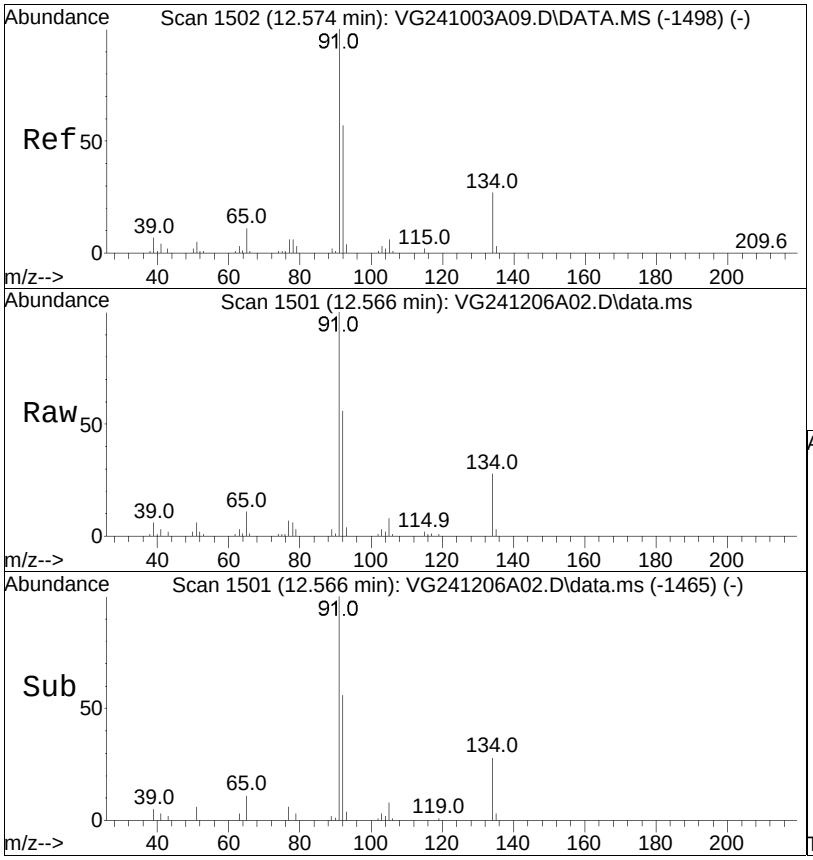


#102
p-Diethylbenzene
Concen: 9.36 ug/L
RT: 12.508 min Scan# 1494
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:119 Resp: 256654

Ion	Ratio	Lower	Upper
119	100		
105	79.9	53.9	112.1
134	47.2	32.0	66.6

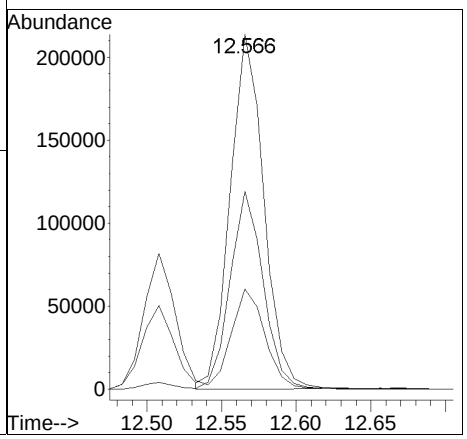


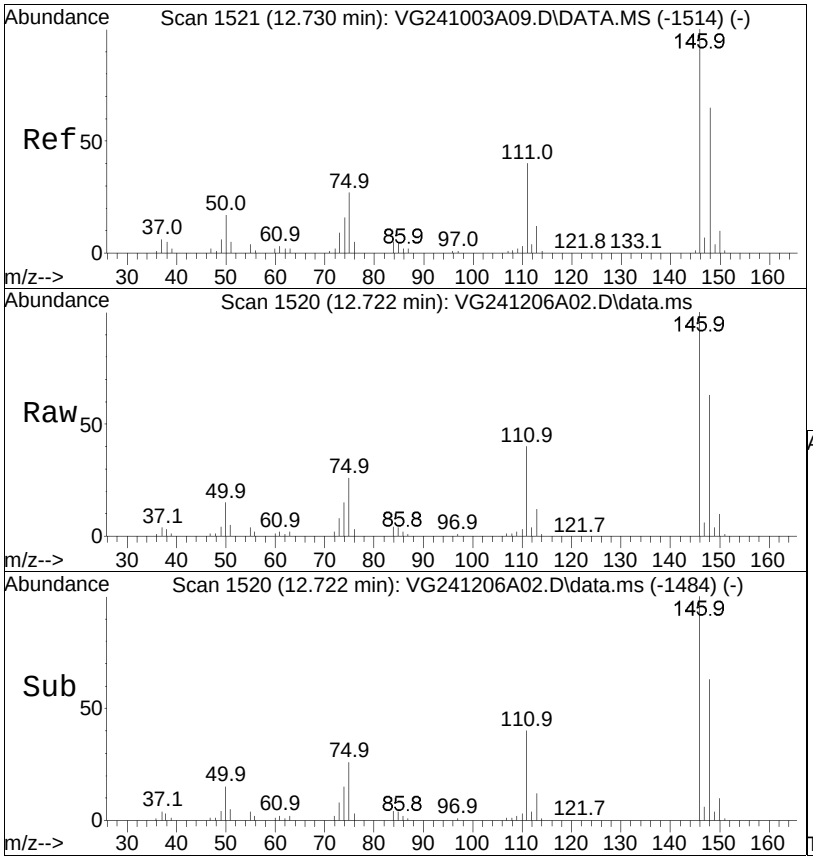


#103
n-Butylbenzene
Concen: 8.52 ug/L
RT: 12.566 min Scan# 1501
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion: 91 Resp: 335333

Ion	Ratio	Lower	Upper
91	100		
92	55.3	43.8	65.8
134	28.1	22.0	33.0

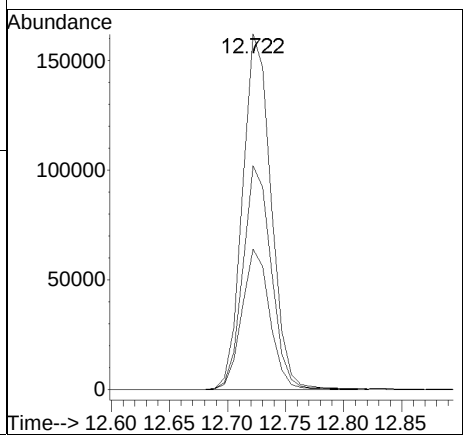


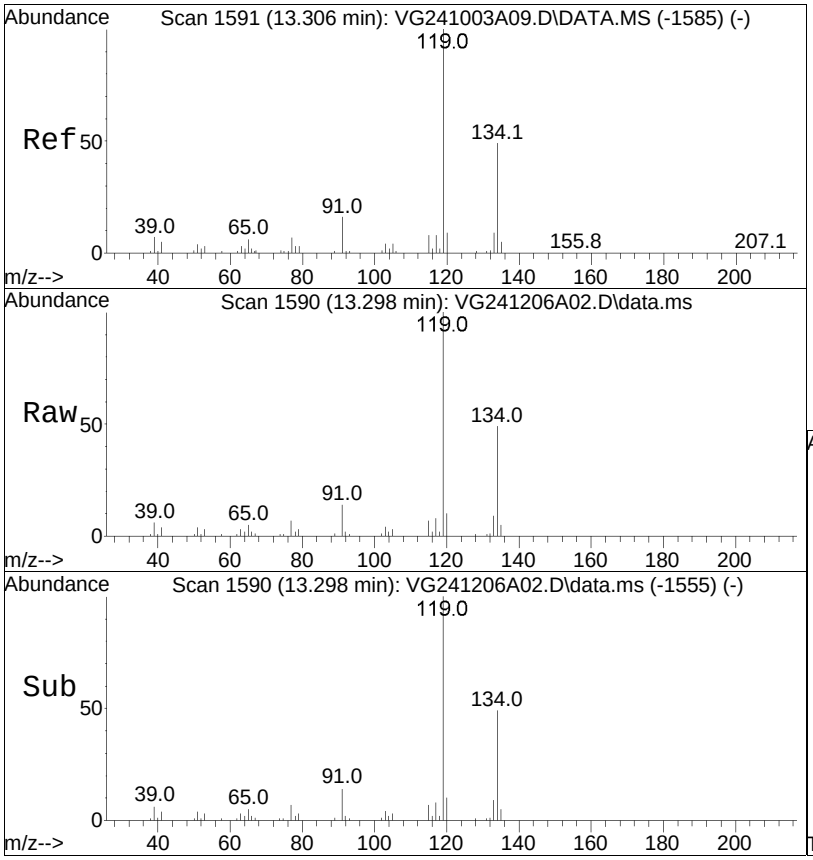


#104
1,2-Dichlorobenzene
Concen: 9.71 ug/L
RT: 12.722 min Scan# 1520
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:146 Resp: 277023

Ion	Ratio	Lower	Upper
146	100		
111	38.7	25.4	52.8
148	62.5	41.7	86.5

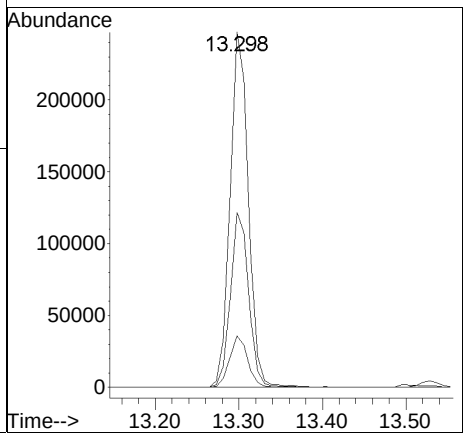


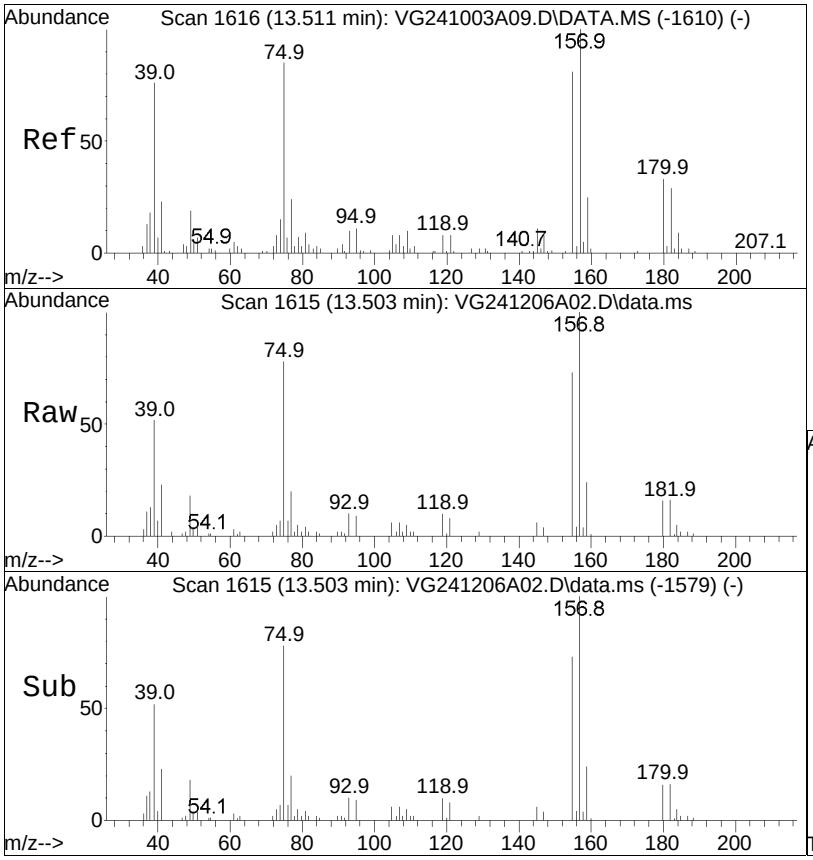


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.75 ug/L
RT: 13.298 min Scan# 1590
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:119 Resp: 376034

Ion	Ratio	Lower	Upper
119	100		
134	49.2	32.7	67.9
91	14.5	9.9	20.7

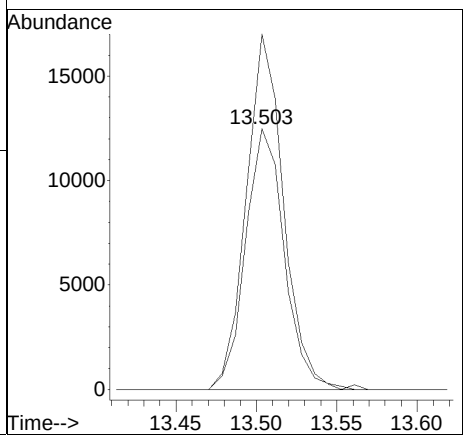


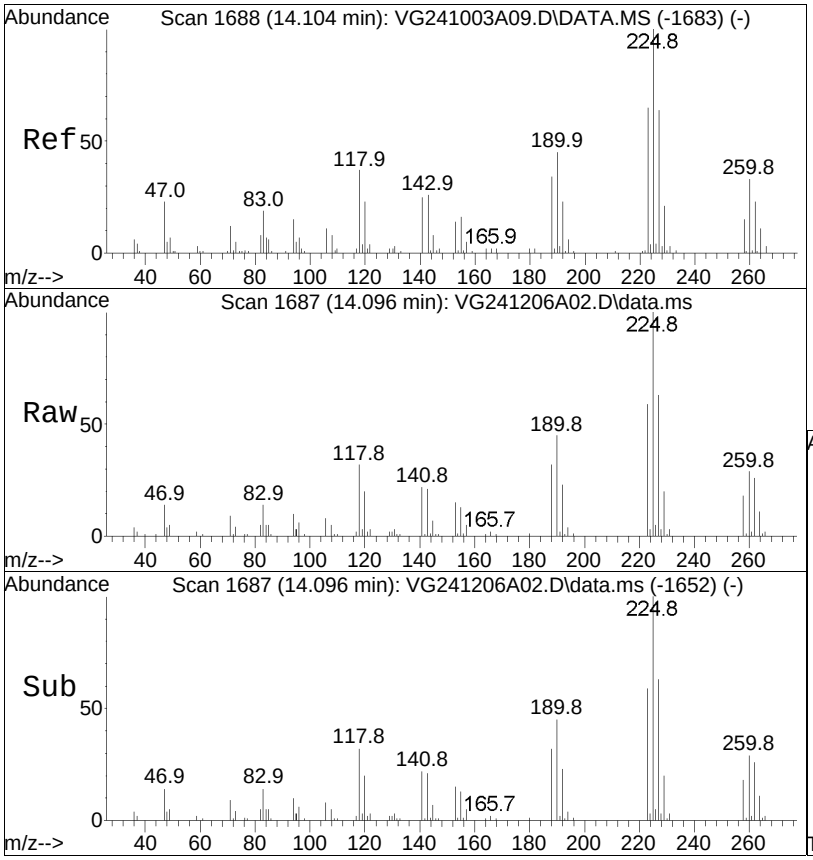


#106
1,2-Dibromo-3-chloropropane
Concen: 8.26 ug/L
RT: 13.503 min Scan# 1615
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:155 Resp: 20907

Ion	Ratio	Lower	Upper
155	100		
157	131.2	99.9	149.9

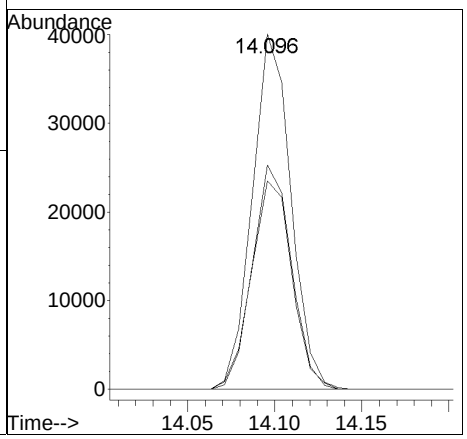


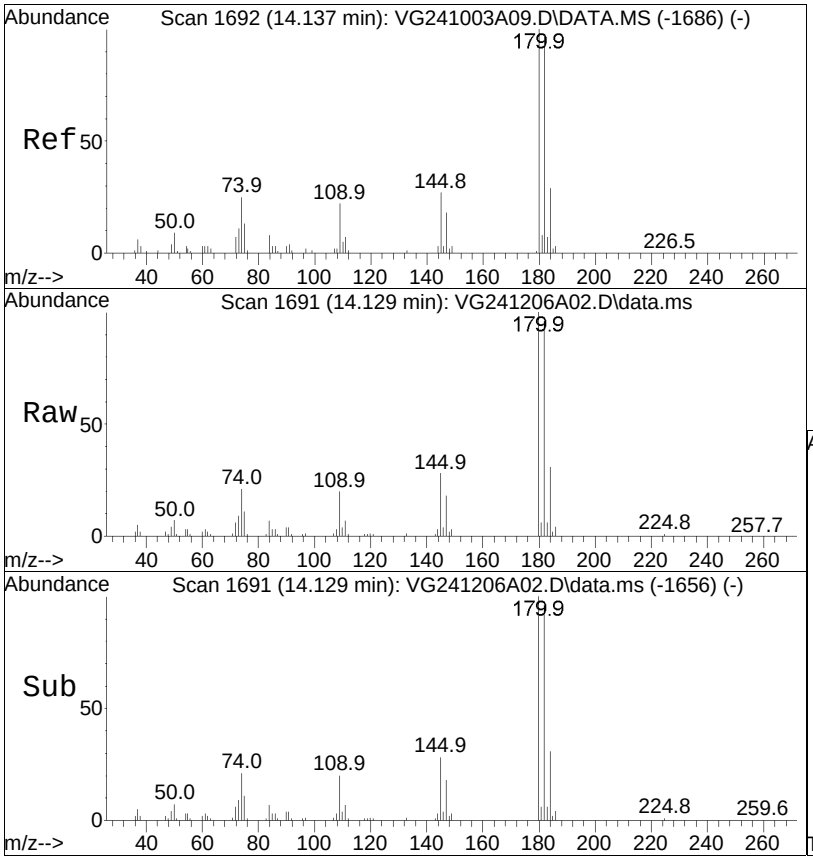


#108
Hexachlorobutadiene
Concen: 10.75 ug/L
RT: 14.096 min Scan# 1687
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:225 Resp: 61957

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.1	75.1
227	63.9	50.2	75.4

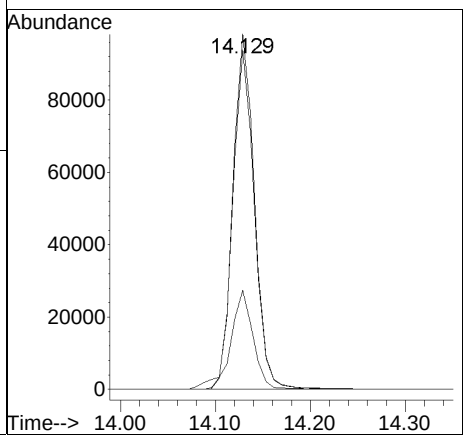


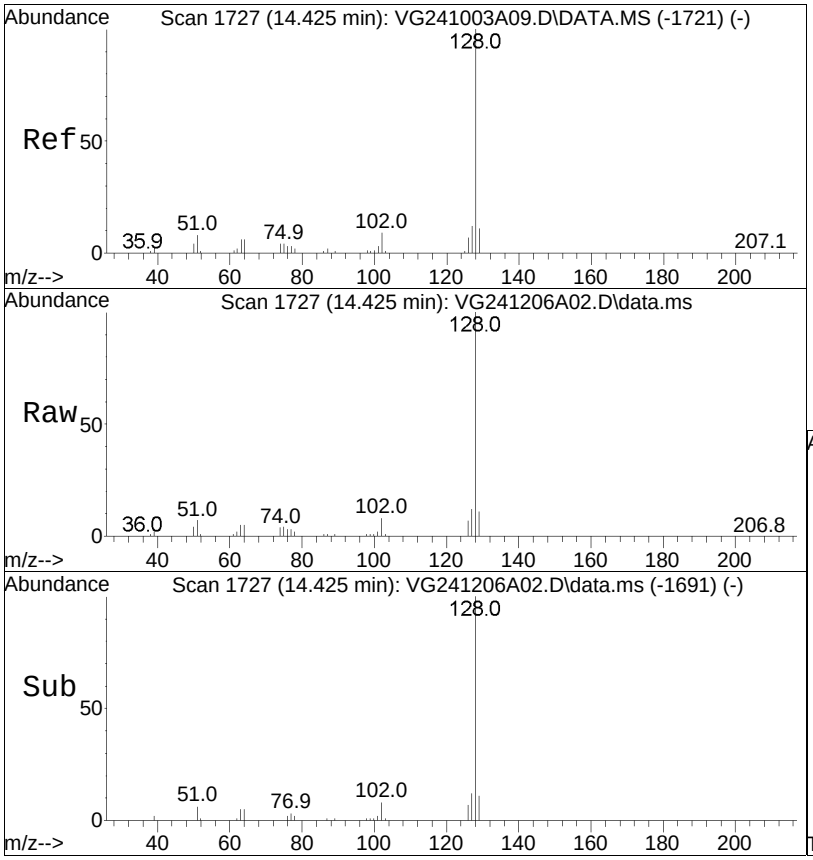


#109
1,2,4-Trichlorobenzene
Concen: 10.21 ug/L
RT: 14.129 min Scan# 1691
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:180 Resp: 155508

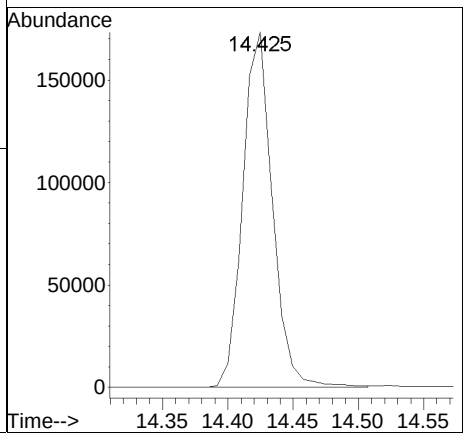
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.7	115.1
145	29.3	26.5	39.7

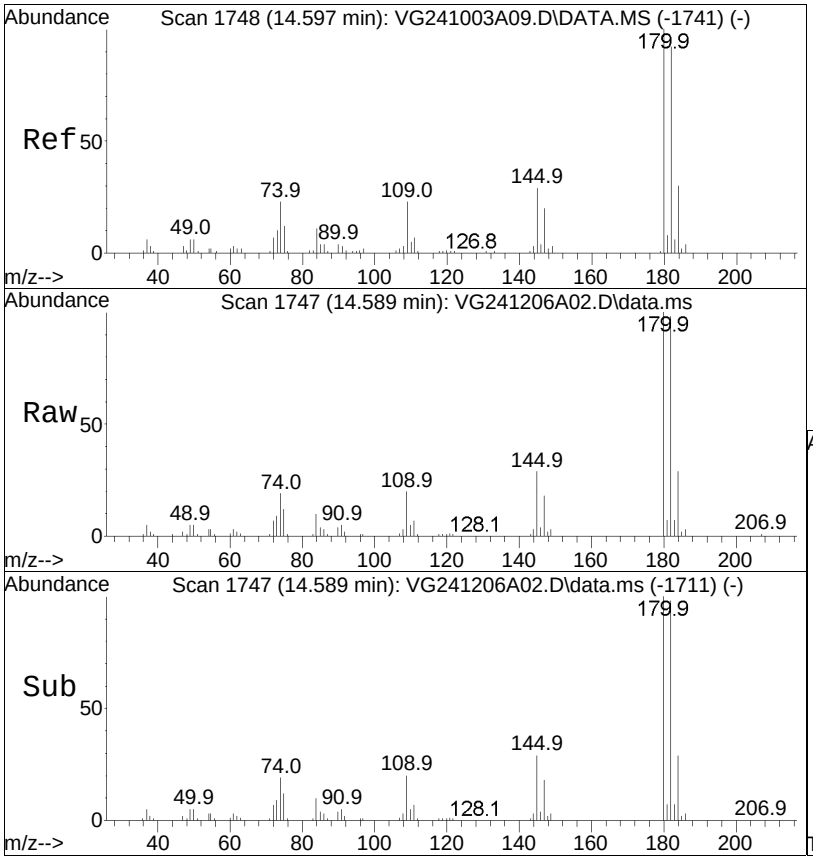




#110
Naphthalene
Concen: 8.53 ug/L
RT: 14.425 min Scan# 1727
Delta R.T. -0.000 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:128 Resp: 274984

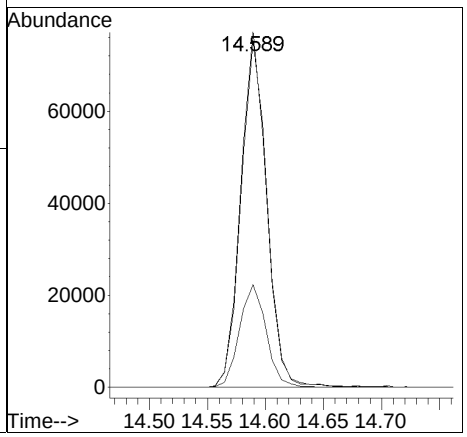




#111
1,2,3-Trichlorobenzene
Concen: 9.37 ug/L
RT: 14.589 min Scan# 1747
Delta R.T. -0.008 min
Lab File: VG241206A02.D
Acq: 6 Dec 2024 8:22 am

Tgt Ion:180 Resp: 119306

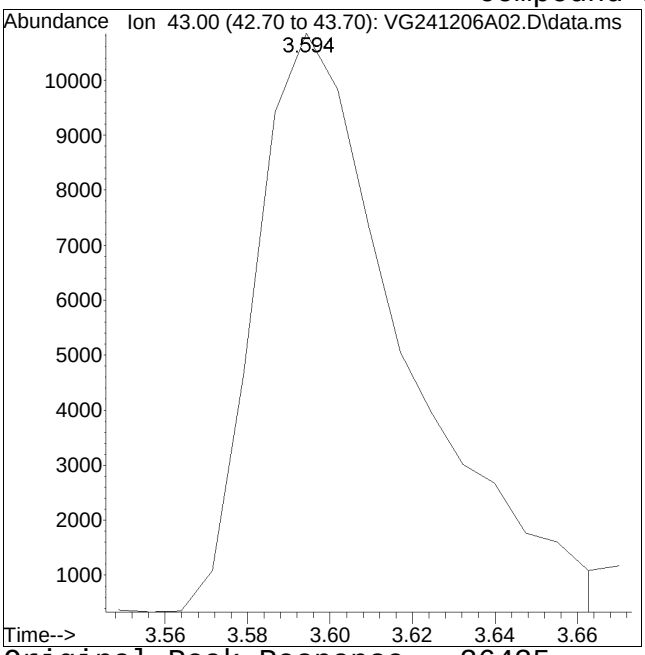
Ion	Ratio	Lower	Upper
180	100		
182	98.5	77.0	115.4
145	30.0	24.1	36.1



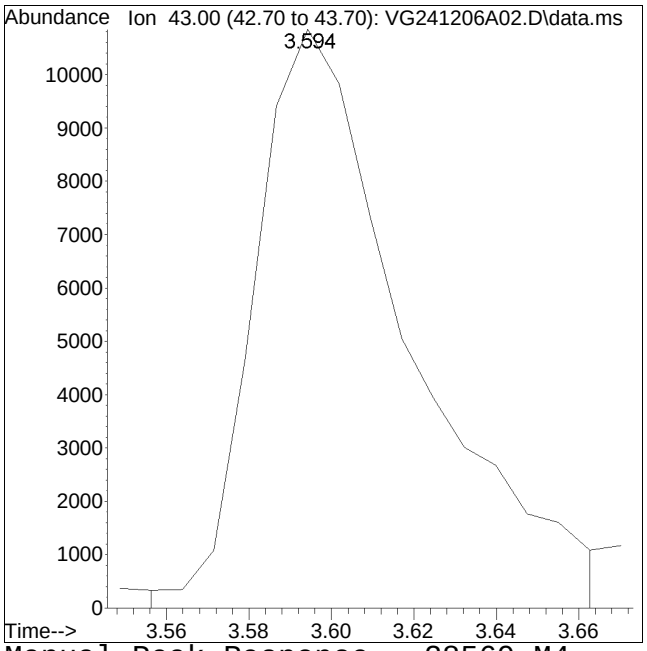
Manual Integration Report

Data Path	: K:\Gonzo\2024\241206A\	QMethod	: G_241003A_8260.m
Data File	: VG241206A02.D	Operator	: GONZO:PID
Date Inj'd	: 12/6/2024 8:22 am	Instrument	: Gonzo
Sample	: WG2006732-3,31,10,10	Quant Date	: 12/6/2024 8:42 am

Compound #17: Acetone



Original Peak Response = 26435



Manual Peak Response = 28560 M4

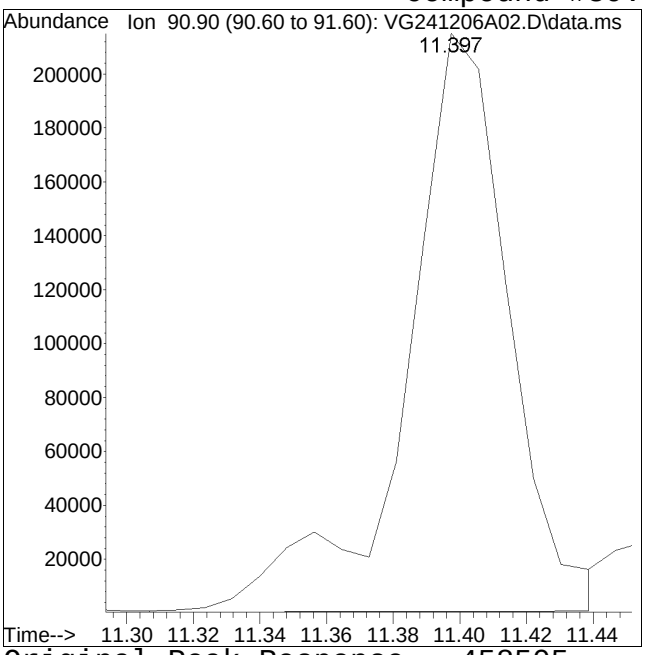
M4 = Poor automated baseline construction.

Manual Integration Report

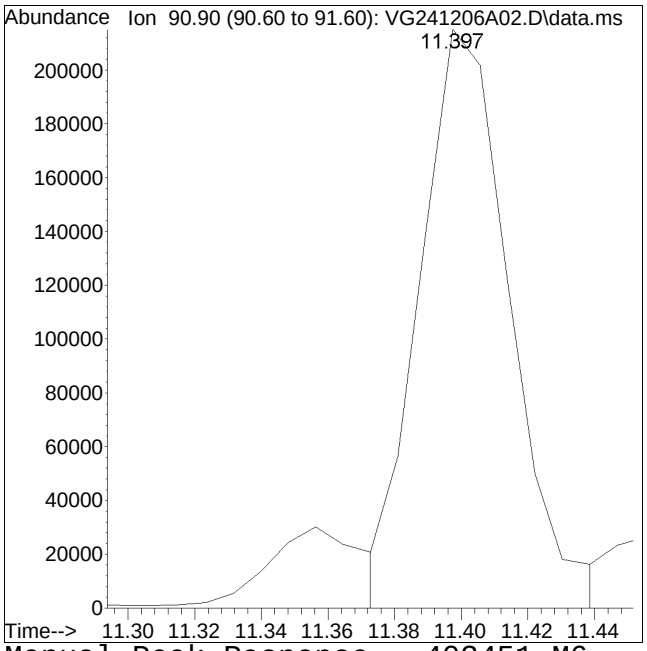
Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A02.D
Date Inj'd : 12/6/2024 8:22 am
Sample : WG2006732-3,31,10,10

QMethod : G_241003A_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 12/6/2024 8:42 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 458505



Manual Peak Response = 403451 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006732-10,31,10,10
Misc : WG2006732,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	468300	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 100.00%			
59) Chlorobenzene-d5	9.596	117	363004	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.286	152	211946	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.243	113	118646	10.160	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.60%			
43) 1,2-Dichloroethane-d4	5.775	65	142777	10.612	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.12%			
60) Toluene-d8	7.743	98	463156	9.647	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.47%			
83) 4-Bromofluorobenzene	11.085	95	173930	9.363	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.63%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.657	85	84905	8.534	ug/L	97
3) Chloromethane	1.877	50	98309	9.114	ug/L	98
4) Vinyl chloride	1.923	62	84436	7.854	ug/L	98
5) Bromomethane	2.234	94	19199	3.098	ug/L	98
6) Chloroethane	2.333	64	38572M1	6.260	ug/L	
7) Trichlorofluoromethane	2.485	101	128550	8.969	ug/L	98
8) Ethyl ether	2.797	74	37803	7.246	ug/L #	57
10) 1,1-Dichloroethene	2.986	96	74949	9.076	ug/L	81
11) Carbon disulfide	3.017	76	229220	9.138	ug/L	98
12) Freon-113	3.024	101	77175	9.186	ug/L #	72
14) Acrolein	3.321	56	16580	11.370	ug/L	97
15) Methylene chloride	3.549	84	87060	8.769	ug/L #	70
17) Acetone	3.594	43	22945	8.942	ug/L	96
18) trans-1,2-Dichloroethene	3.693	96	84102	9.396	ug/L	85
19) Methyl acetate	3.708	43	54543	9.358	ug/L #	90
20) Methyl tert-butyl ether	3.784	73	232779	7.690	ug/L #	87
21) tert-Butyl alcohol	3.883	59	40321	42.611	ug/L #	84
22) Diisopropyl ether	4.141	45	353912	10.390	ug/L	91
23) 1,1-Dichloroethane	4.278	63	173276	9.994	ug/L	99
24) Halothane	4.339	117	66951	9.393	ug/L	100
25) Acrylonitrile	4.339	53	28138	8.790	ug/L	95

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006732-10,31,10,10
Misc : WG2006732,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.491	59	297046	9.310	ug/L		87
27) Vinyl acetate	4.513	43	217697	8.960	ug/L		96
28) cis-1,2-Dichloroethene	4.802	96	92634	8.940	ug/L	#	85
29) 2,2-Dichloropropane	4.901	77	131223	11.386	ug/L		93
30) Bromochloromethane	5.000	128	44585	9.456	ug/L	#	75
31) Cyclohexane	4.992	56	169220	10.074	ug/L		67
32) Chloroform	5.068	83	154930	9.231	ug/L		97
33) Ethyl acetate	5.174	43	88925	9.619	ug/L	#	96
34) Carbon tetrachloride	5.197	117	127333	9.952	ug/L		98
35) Tetrahydrofuran	5.220	42	28316M6	9.454	ug/L		
37) 1,1,1-Trichloroethane	5.258	97	140293	9.476	ug/L		95
39) 2-Butanone	5.372	43	38687	9.886	ug/L	#	78
40) 1,1-Dichloropropene	5.387	75	117872	9.489	ug/L		99
41) Benzene	5.630	78	363717	9.417	ug/L	#	92
42) tert-Amyl methyl ether	5.737	73	230209	8.214	ug/L	#	89
44) 1,2-Dichloroethane	5.843	62	124447	9.513	ug/L		99
47) Methyl cyclohexane	6.208	83	124042	8.833	ug/L	#	66
48) Trichloroethene	6.230	95	96355	9.294	ug/L		98
50) Dibromomethane	6.679	93	52402	8.881	ug/L		94
51) 1,2-Dichloropropane	6.777	63	98441	9.825	ug/L		97
54) Bromodichloromethane	6.853	83	120795	8.936	ug/L		100
57) 1,4-Dioxane	7.063	88	40661	403.753	ug/L	#	74
58) cis-1,3-Dichloropropene	7.543	75	142856	9.328	ug/L		93
61) Toluene	7.800	92	232195	9.191	ug/L		99
62) 4-Methyl-2-pentanone	8.237	58	29000	8.196	ug/L		86
63) Tetrachloroethene	8.245	166	107934	9.877	ug/L		98
65) trans-1,3-Dichloropropene	8.295	75	124080	8.425	ug/L		98
67) Ethyl methacrylate	8.474	69	91433	6.996	ug/L		94
68) 1,1,2-Trichloroethane	8.481	83	62024	8.072	ug/L		98
69) Chlorodibromomethane	8.689	129	94792	8.919	ug/L		99
70) 1,3-Dichloropropane	8.803	76	129428	8.484	ug/L		99
71) 1,2-Dibromoethane	8.968	107	76070	8.366	ug/L		100
72) 2-Hexanone	9.255	43	55993	8.845	ug/L		91
73) Chlorobenzene	9.612	112	260823	9.609	ug/L		100
74) Ethylbenzene	9.645	91	438830	9.040	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.695	131	92748	8.915	ug/L		100
76) p/m Xylene	9.834	106	342824	18.562	ug/L		94
77) o Xylene	10.369	106	330027	18.451	ug/L		95
78) Styrene	10.443	104	551562	18.119	ug/L		97
80) Bromoform	10.476	173	65436	8.590	ug/L		99

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006732-10,31,10,10
Misc : WG2006732,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Isopropylbenzene	10.748	105	418695	8.936	ug/L		100
84) Bromobenzene	11.192	156	126692	9.990	ug/L		98
85) n-Propylbenzene	11.233	91	490382	8.988	ug/L		99
86) 1,4-Dichlorobutane	11.258	55	155974	8.456	ug/L		96
87) 1,1,2,2-Tetrachloroethane	11.332	83	96722	8.155	ug/L		97
88) 4-Ethyltoluene	11.356	105	403132	9.025	ug/L		100
89) 2-Chlorotoluene	11.397	91	308403M6	9.268	ug/L		
90) 1,3,5-Trimethylbenzene	11.455	105	357470	9.038	ug/L		99
91) 1,2,3-Trichloropropane	11.463	75	80507	8.310	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.513	53	28241	7.228	ug/L	#	88
93) 4-Chlorotoluene	11.587	91	317654	9.069	ug/L		99
94) tert-Butylbenzene	11.792	119	295278	9.465	ug/L		99
97) 1,2,4-Trimethylbenzene	11.875	105	341962	8.860	ug/L		100
98) sec-Butylbenzene	11.981	105	402071	8.935	ug/L		99
99) p-Isopropyltoluene	12.138	119	357321	9.363	ug/L		99
100) 1,3-Dichlorobenzene	12.212	146	220783	9.557	ug/L		99
101) 1,4-Dichlorobenzene	12.302	146	223563	9.317	ug/L		99
102) p-Diethylbenzene	12.508	119	198485	9.271	ug/L		97
103) n-Butylbenzene	12.566	91	270402	8.799	ug/L		99
104) 1,2-Dichlorobenzene	12.722	146	208035	9.340	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.298	119	280907	9.329	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.503	155	16672	8.437	ug/L		96
107) 1,3,5-Trichlorobenzene	13.528	180	145864	10.409	ug/L		98
108) Hexachlorobutadiene	14.096	225	48829	10.851	ug/L		97
109) 1,2,4-Trichlorobenzene	14.129	180	118432	9.958	ug/L		98
110) Naphthalene	14.425	128	211178	8.384	ug/L		100
111) 1,2,3-Trichlorobenzene	14.589	180	94394	9.488	ug/L		99

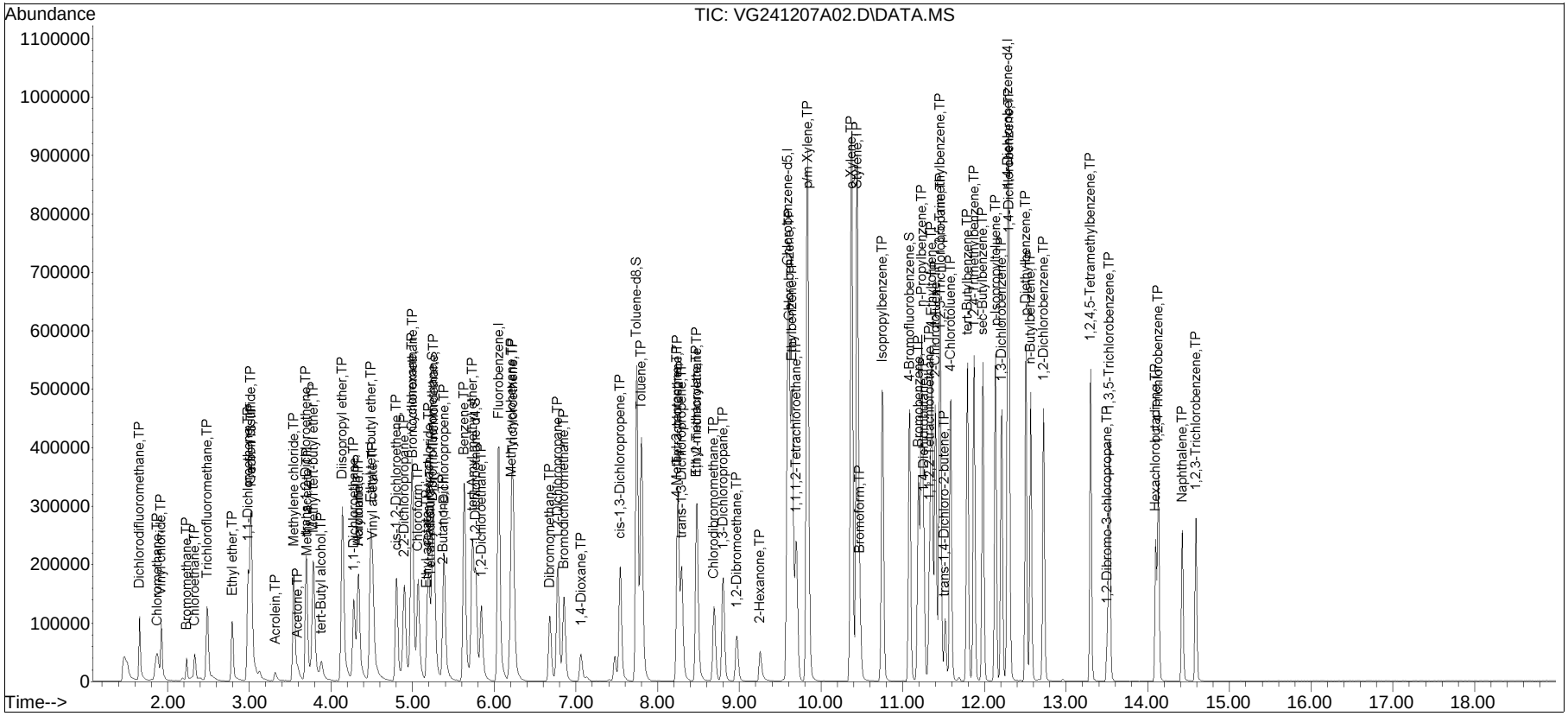
(#) = qualifier out of range (m) = manual integration (+) = signals summed

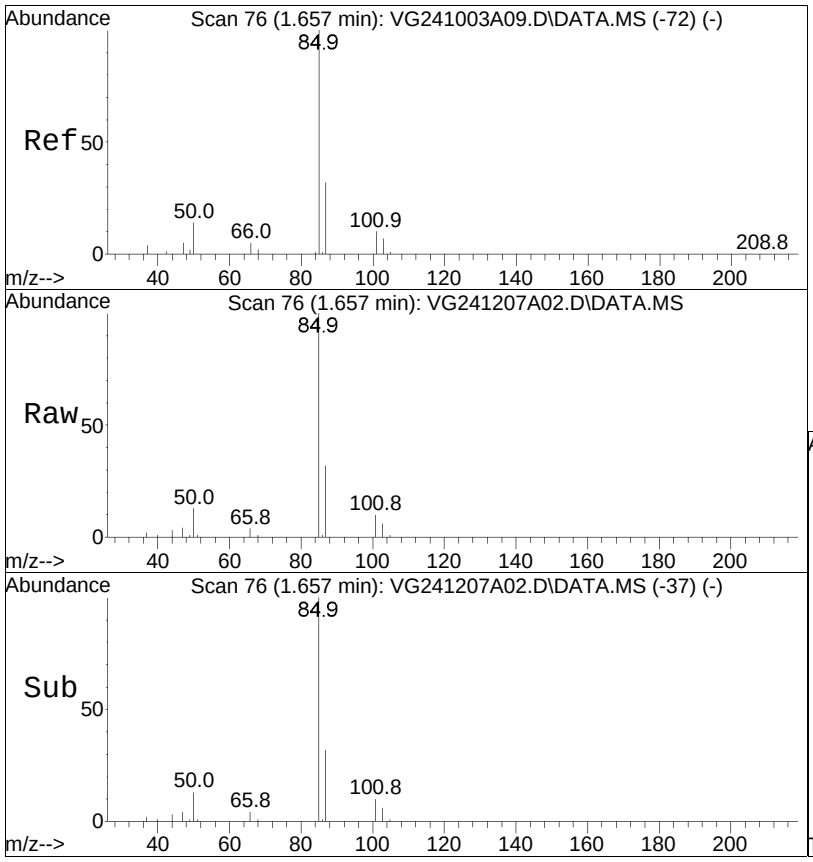
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006732-10,31,10,10
Misc : WG2006732,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

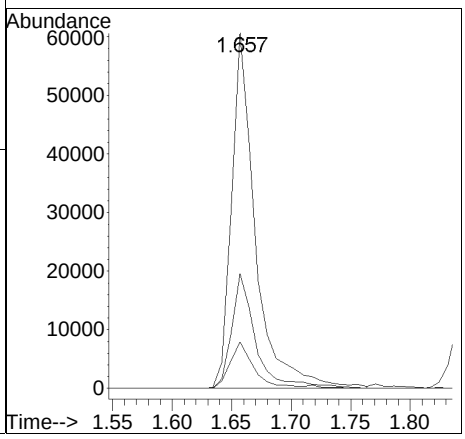


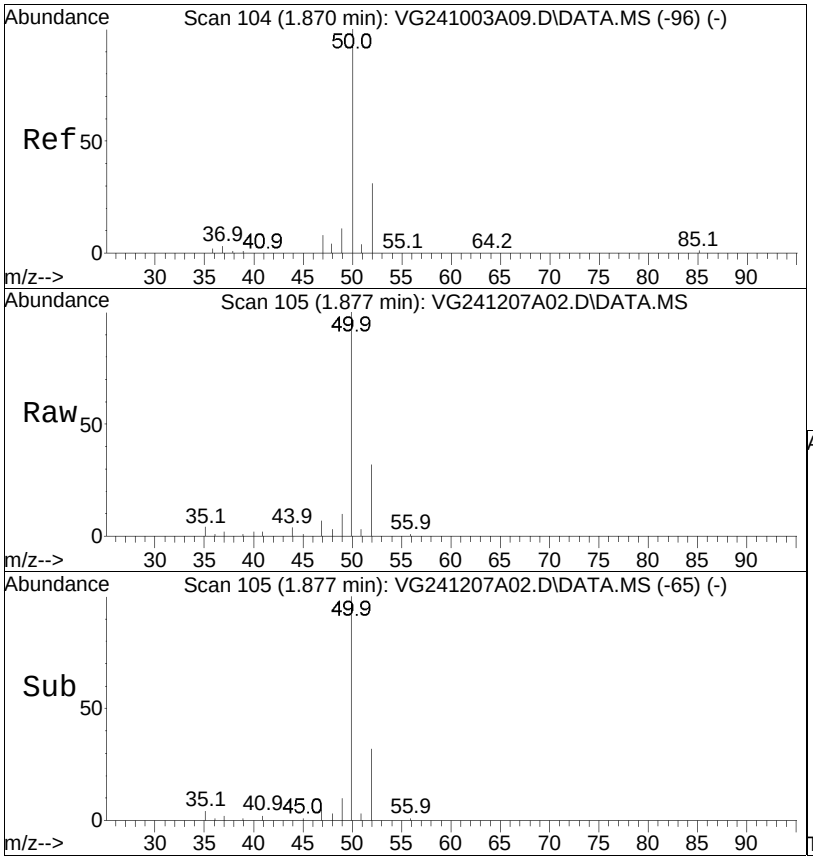


#2
Dichlorodifluoromethane
Concen: 8.53 ug/L
RT: 1.657 min Scan# 76
Delta R.T. -0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 85 Resp: 84905

Ion	Ratio	Lower	Upper
85	100		
87	32.6	20.7	42.9
50	13.7	7.5	15.5

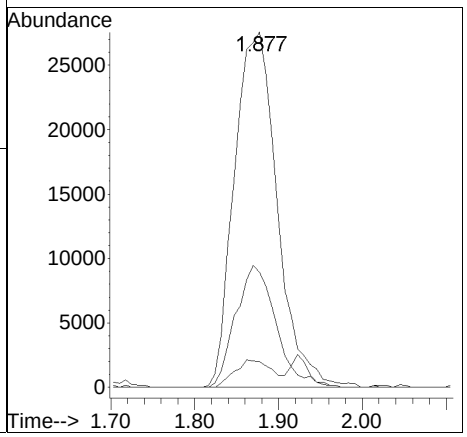


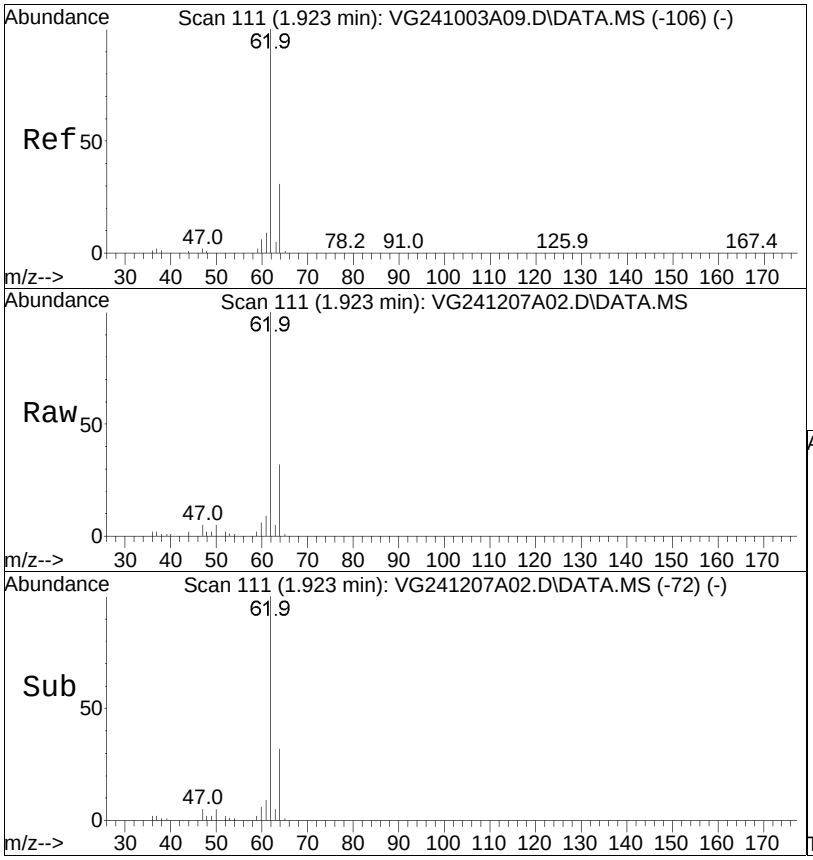


#3
Chloromethane
Concen: 9.11 ug/L
RT: 1.877 min Scan# 105
Delta R.T. 0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 50 Resp: 98309

Ion	Ratio	Lower	Upper
50	100		
52	32.3	11.7	51.7
47	6.5	0.0	28.0

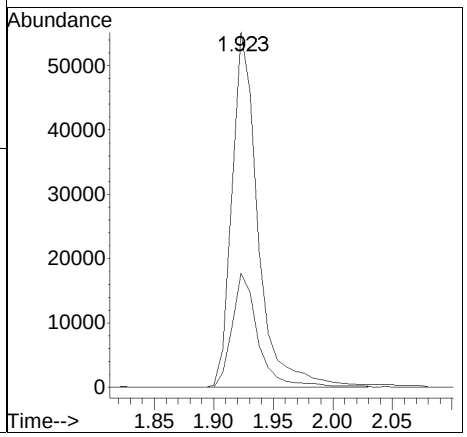


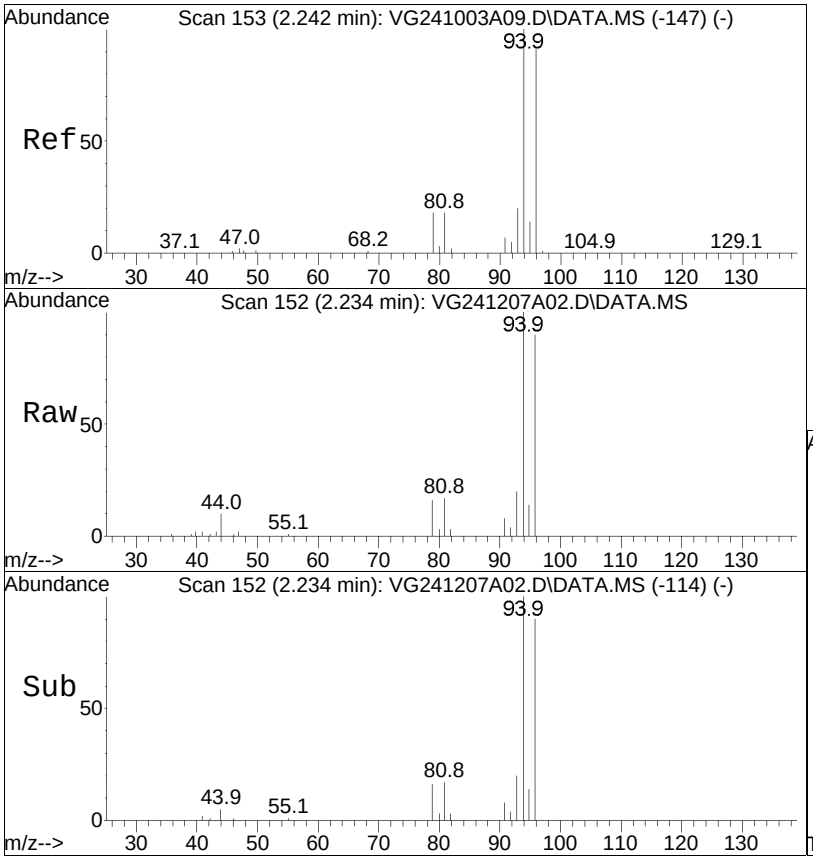


#4
Vinyl chloride
Concen: 7.85 ug/L
RT: 1.923 min Scan# 111
Delta R.T. -0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 62 Resp: 84436

Ion	Ratio	Lower	Upper
62	100		
64	32.4	11.3	51.3

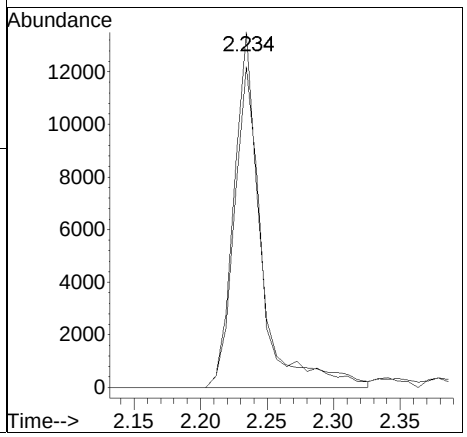


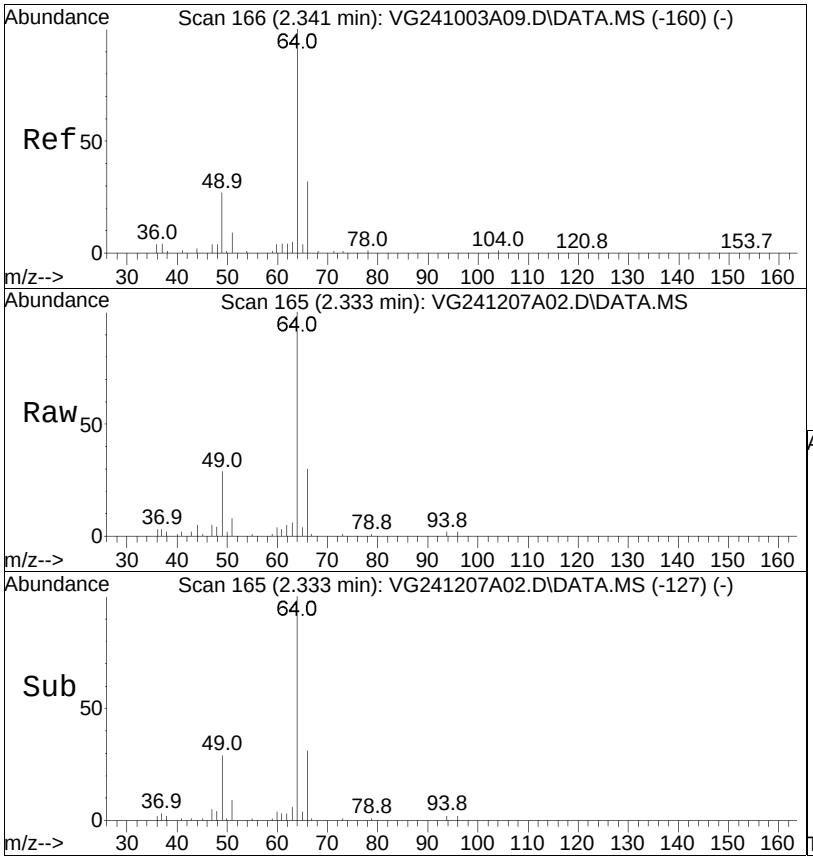


#5
Bromomethane
Concen: 3.10 ug/L
RT: 2.234 min Scan# 152
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 94 Resp: 19199

Ion	Ratio	Lower	Upper
94	100		
96	92.9	75.2	115.2

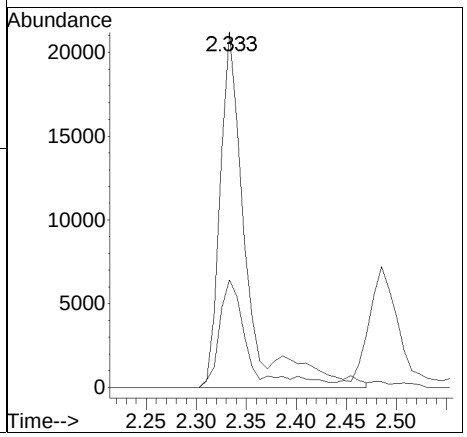


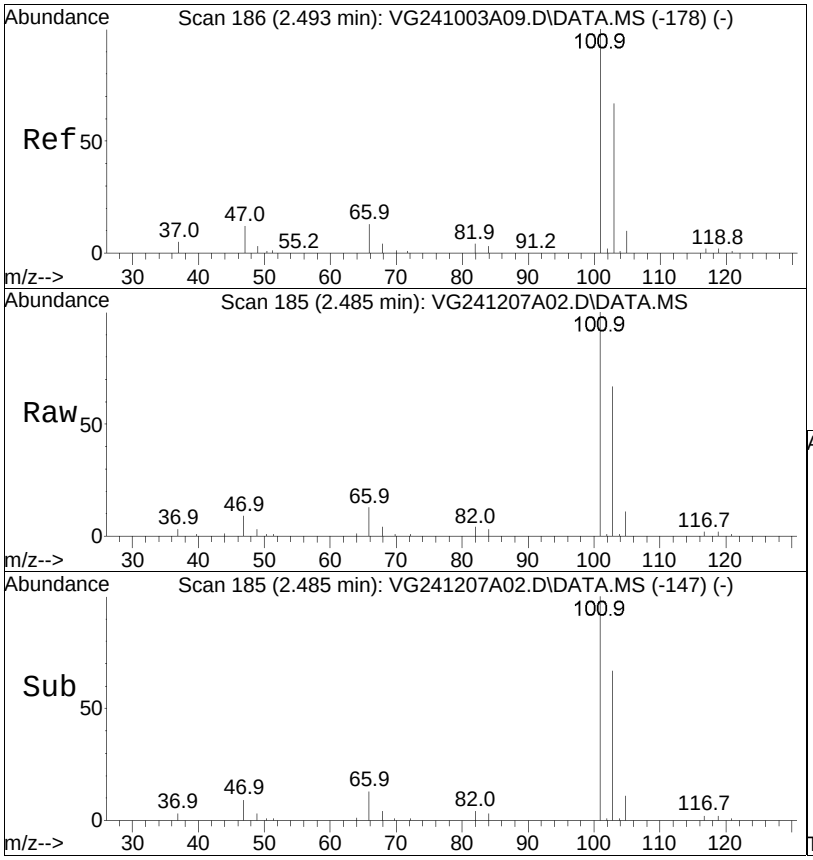


#6
Chloroethane
Concen: 6.26 ug/L M1
RT: 2.333 min Scan# 165
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 64 Resp: 38572

Ion	Ratio	Lower	Upper
64	100		
66	33.2	13.7	53.7

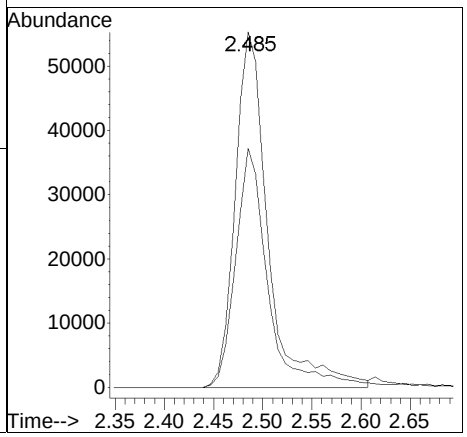


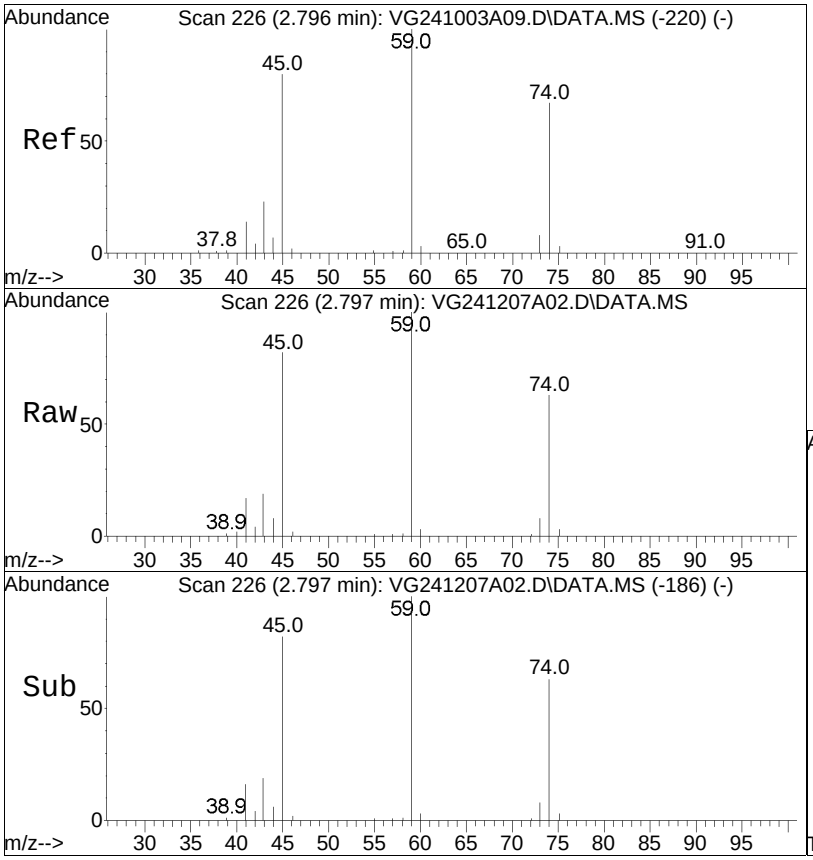


#7
Trichlorofluoromethane
Concen: 8.97 ug/L
RT: 2.485 min Scan# 185
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:101 Resp: 128550

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.2	78.2

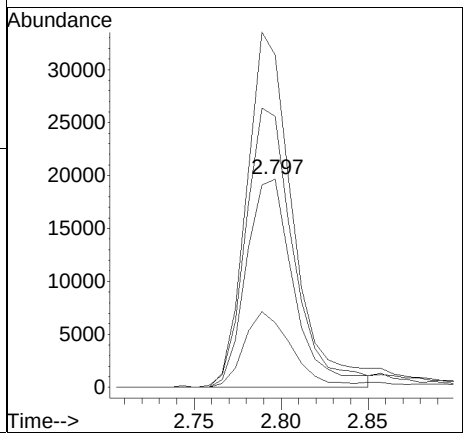


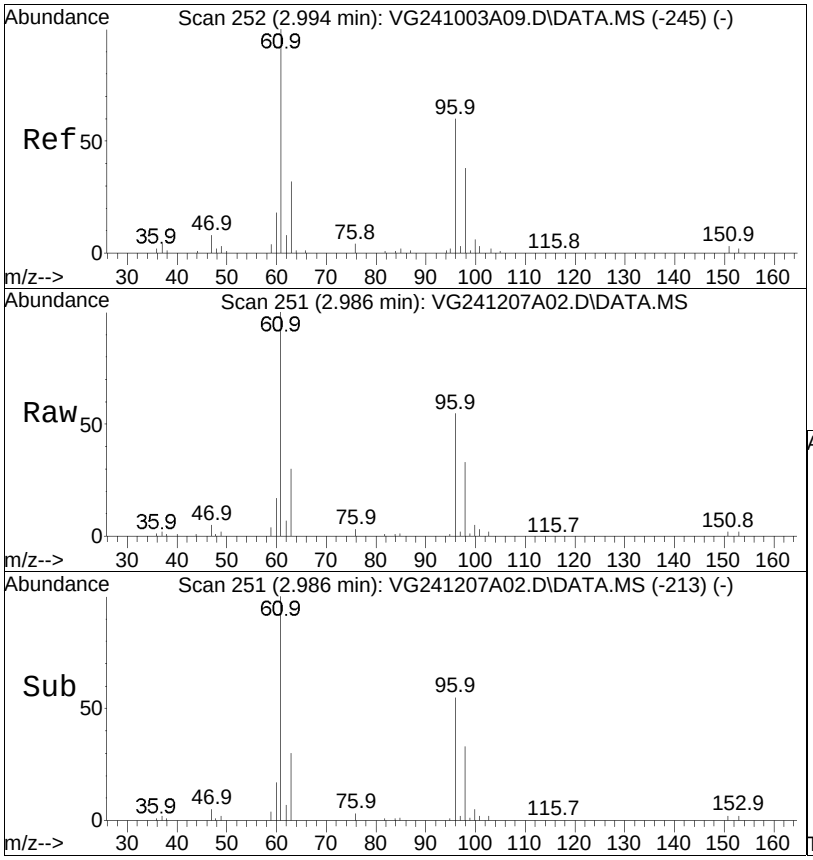


#8
Ethyl ether
Concen: 7.25 ug/L
RT: 2.797 min Scan# 226
Delta R.T. 0.001 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 74 Resp: 37803

Ion	Ratio	Lower	Upper
74	100		
59	175.9	83.5	173.3#
45	142.5	59.7	123.9#
43	36.2	17.6	36.6

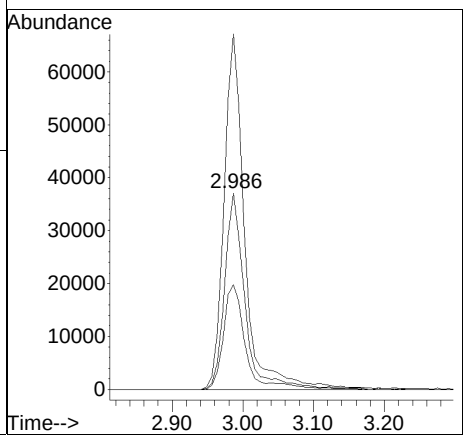


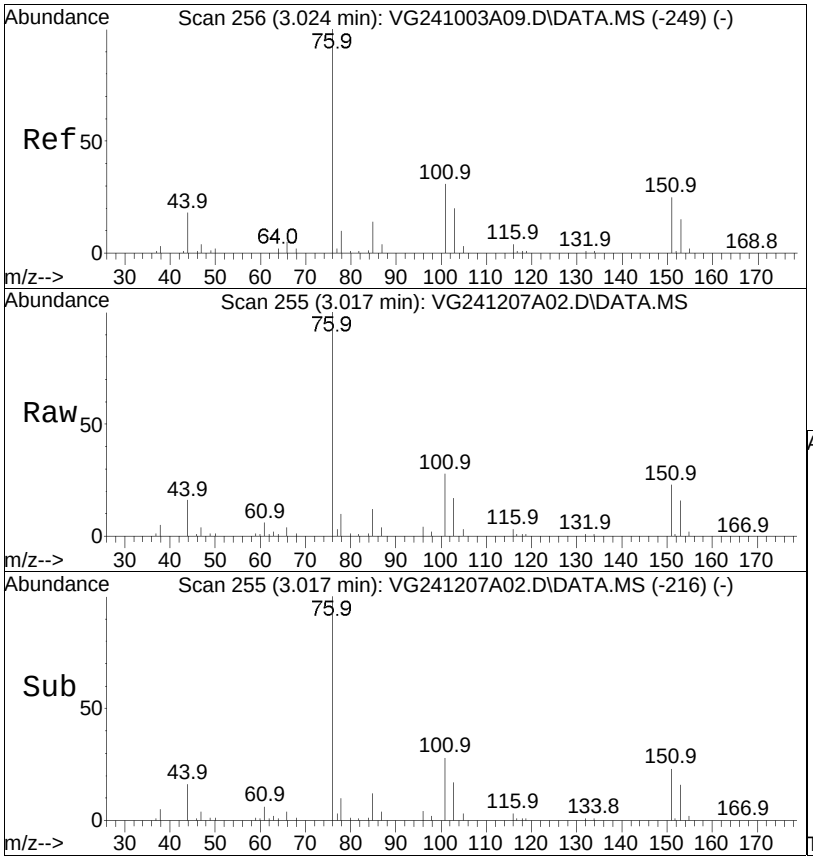


#10
1,1-Dichloroethene
Concen: 9.08 ug/L
RT: 2.986 min Scan# 251
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 96 Resp: 74949

Ion	Ratio	Lower	Upper
96	100		
61	183.4	124.2	186.4
63	57.1	40.0	60.0

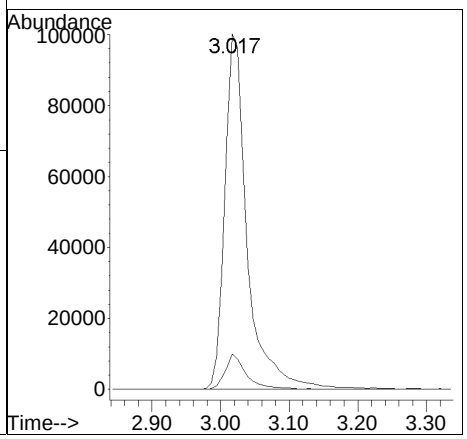


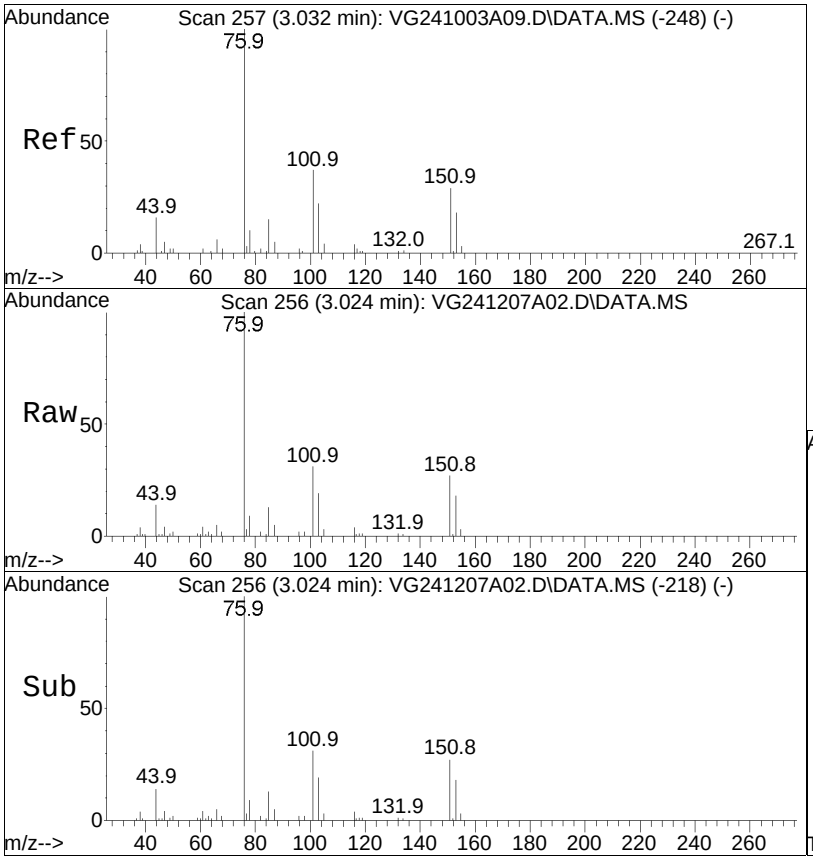


#11
Carbon disulfide
Concen: 9.14 ug/L
RT: 3.017 min Scan# 255
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 76 Resp: 229220

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.6	13.6

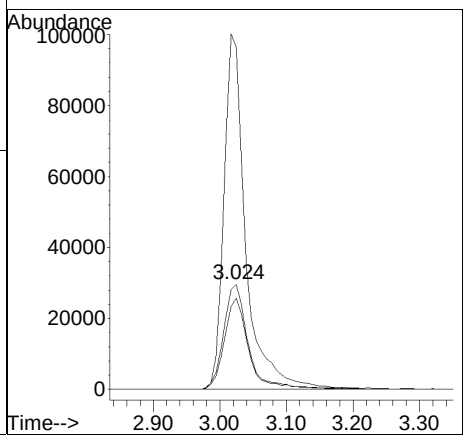


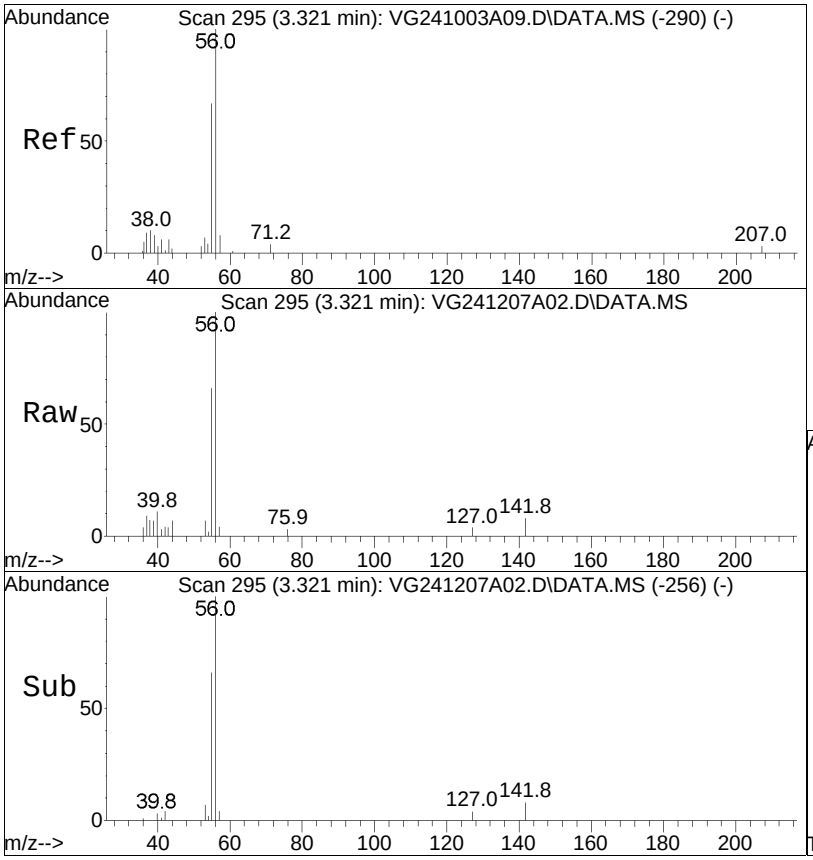


#12
Freon-113
Concen: 9.19 ug/L
RT: 3.024 min Scan# 256
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:101 Resp: 77175

Ion	Ratio	Lower	Upper
101	100		
151	85.4	68.2	102.2
76	297.0	186.0	279.0#

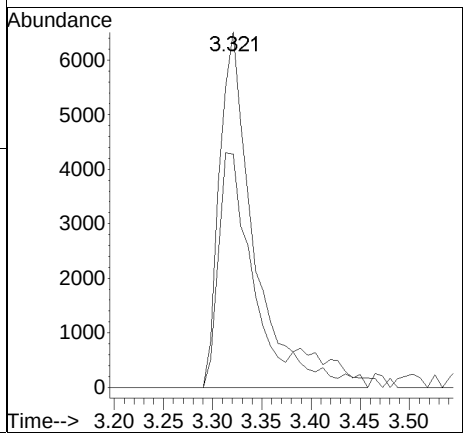


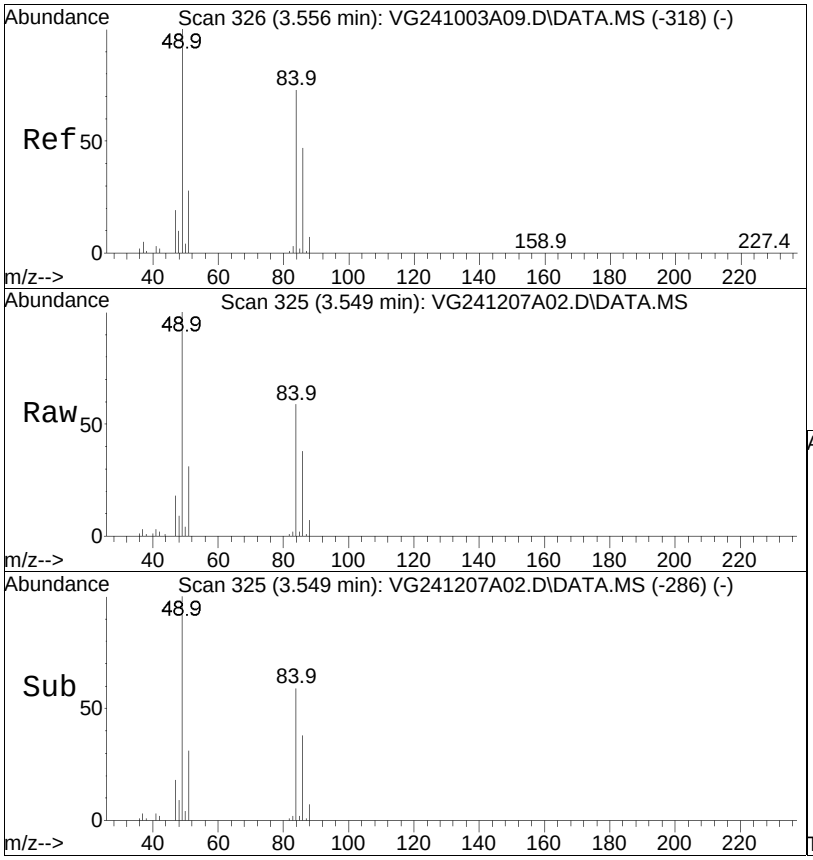


#14
Acrolein
Concen: 11.37 ug/L
RT: 3.321 min Scan# 295
Delta R.T. -0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 56 Resp: 16580

Ion	Ratio	Lower	Upper
56	100		
55	66.1	55.0	82.6

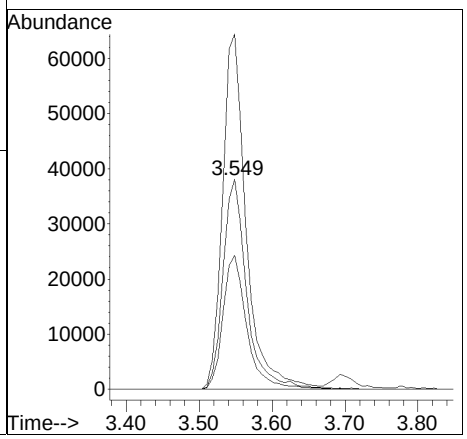


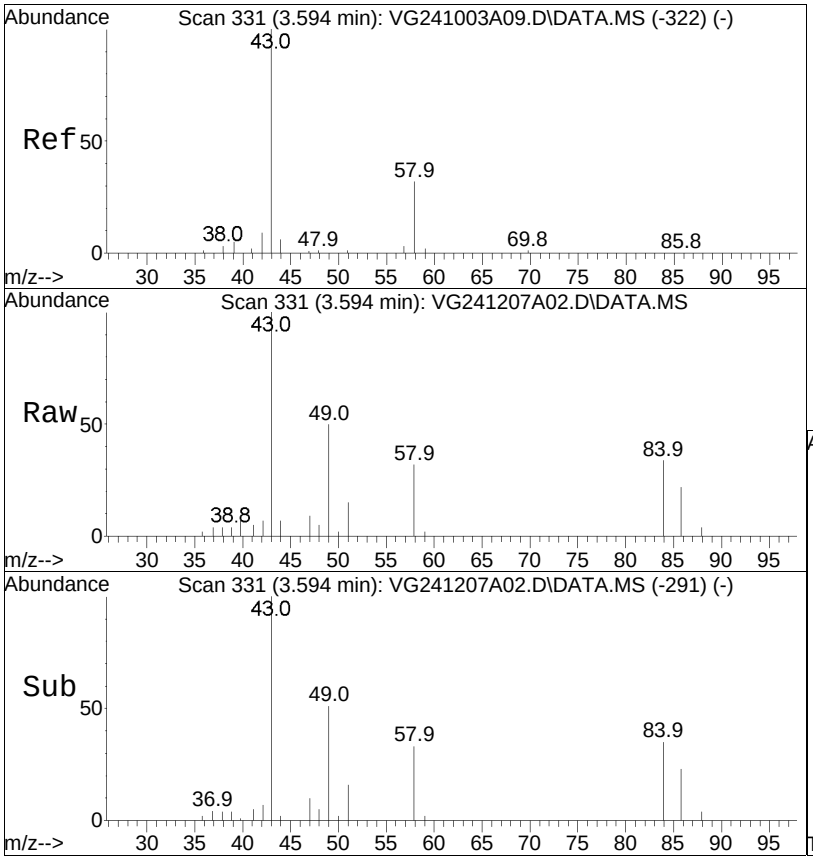


#15
Methylene chloride
Concen: 8.77 ug/L
RT: 3.549 min Scan# 325
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 84 Resp: 87060

Ion	Ratio	Lower	Upper
84	100		
86	64.1	41.1	85.5
49	166.5	76.2	158.2#

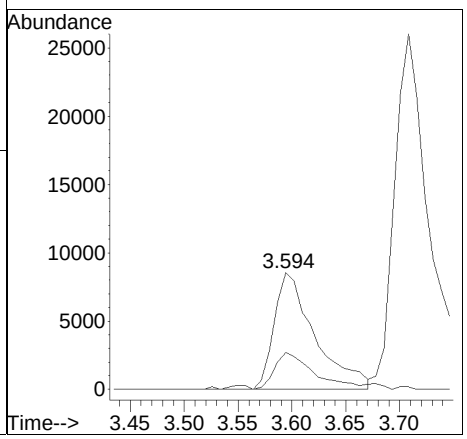


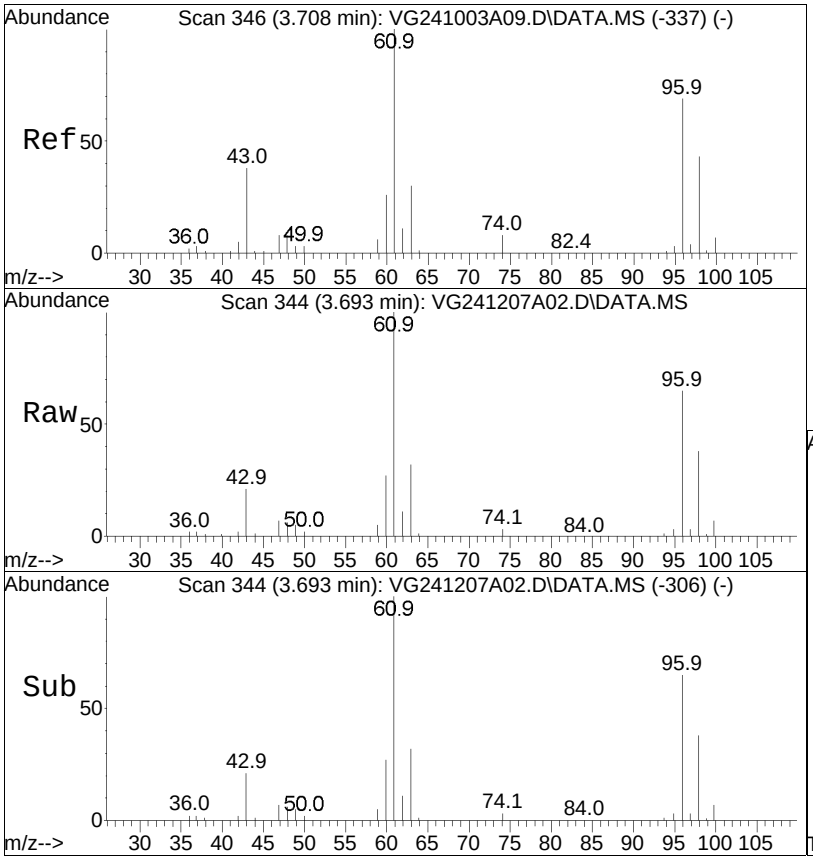


#17
Acetone
Concen: 8.94 ug/L
RT: 3.594 min Scan# 331
Delta R.T. 0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 43 Resp: 22945

Ion	Ratio	Lower	Upper
43	100		
58	29.9	22.2	33.4

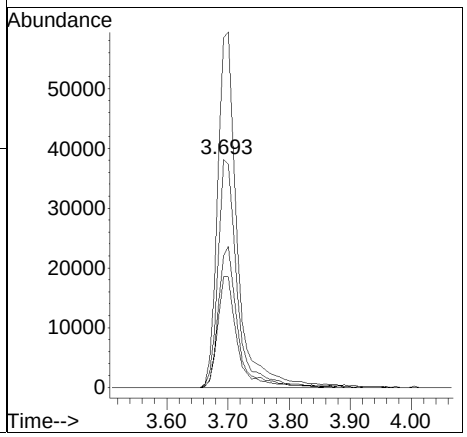


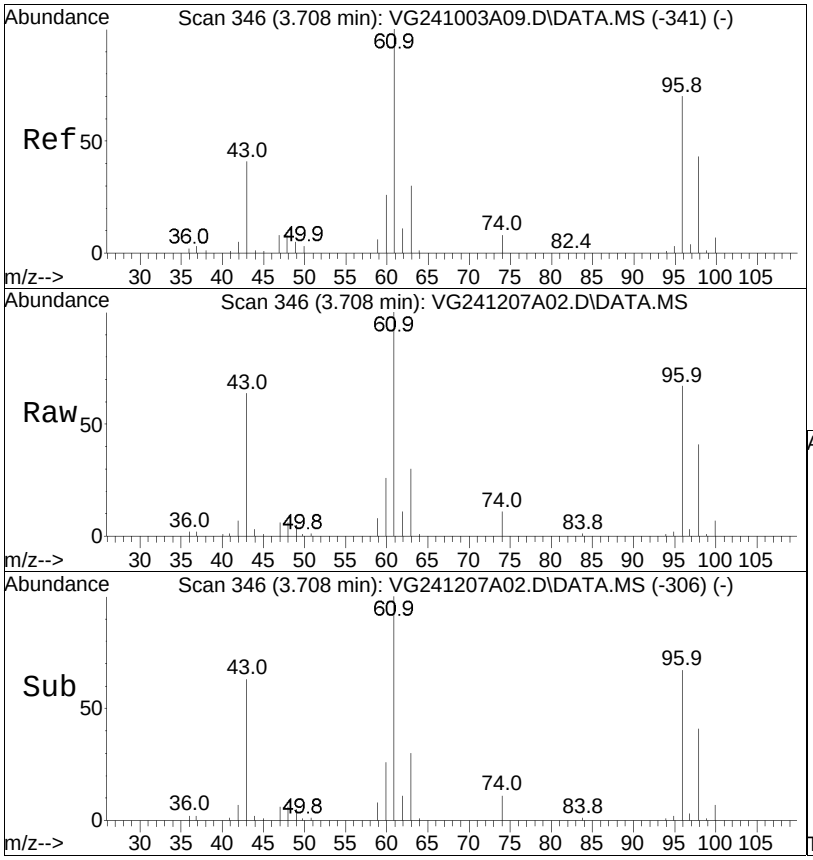


#18
trans-1,2-Dichloroethene
Concen: 9.40 ug/L
RT: 3.693 min Scan# 344
Delta R.T. -0.015 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 96 Resp: 84102

Ion	Ratio	Lower	Upper
96	100		
61	159.5	85.7	178.1
98	61.8	40.2	83.4
63	49.4	28.0	58.2

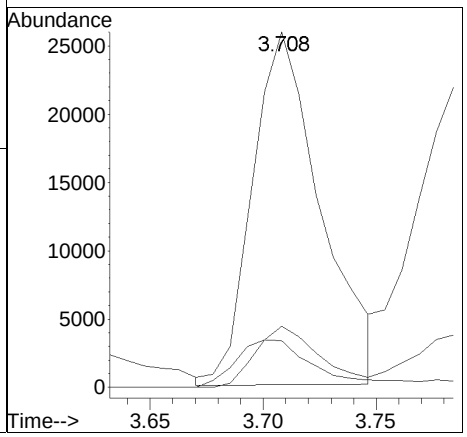


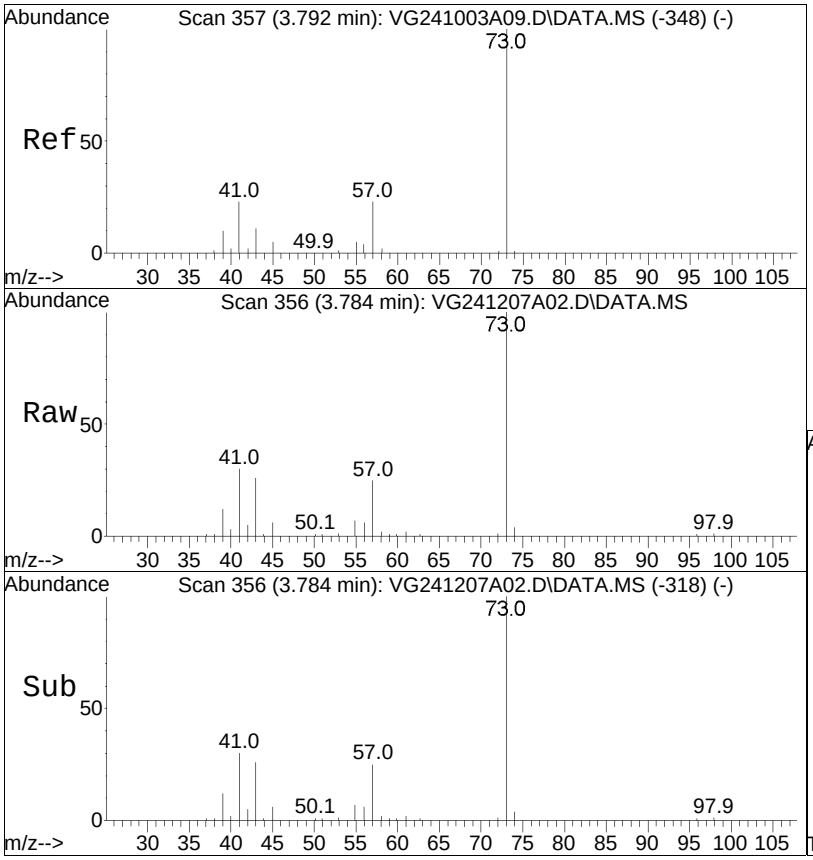


#19
Methyl acetate
Concen: 9.36 ug/L
RT: 3.708 min Scan# 346
Delta R.T. 0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 43 Resp: 54543

Ion	Ratio	Lower	Upper
43	100		
74	16.4	19.3	28.9#
59	16.0	13.9	20.9

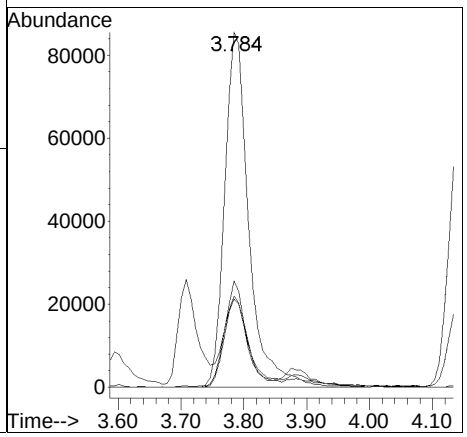


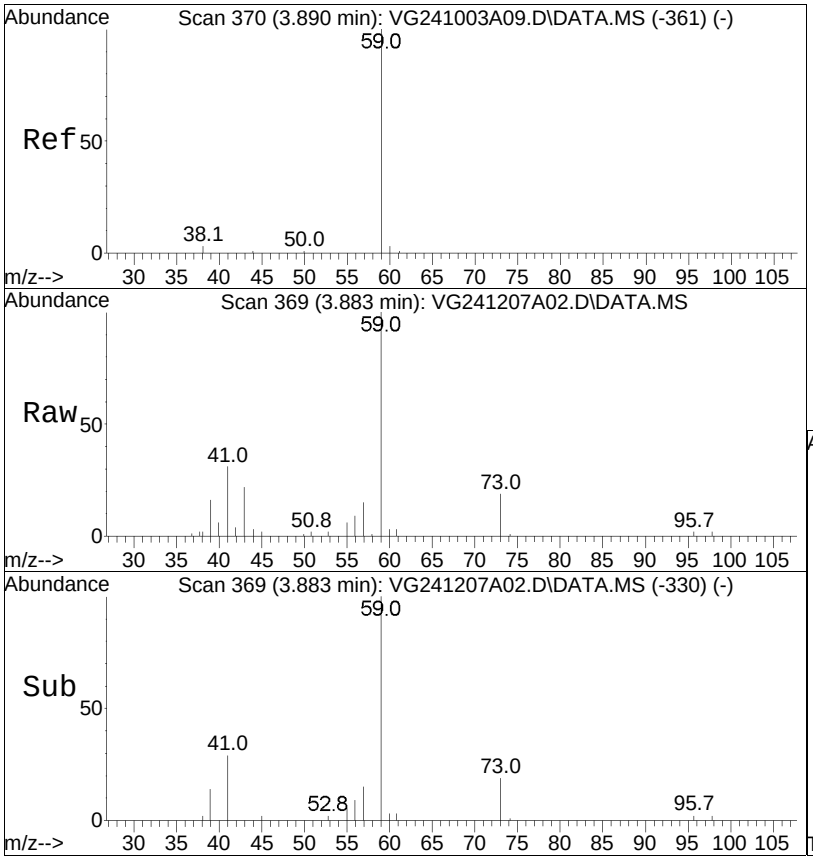


#20
Methyl tert-butyl ether
Concen: 7.69 ug/L
RT: 3.784 min Scan# 356
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 73 Resp: 232779

Ion	Ratio	Lower	Upper
73	100		
57	24.4	12.5	26.1
43	26.1	13.0	27.0
41	26.4	12.5	26.1#

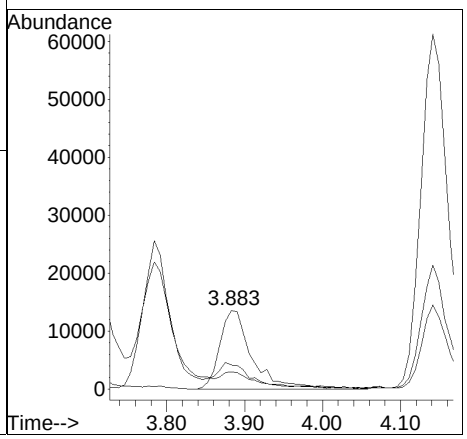


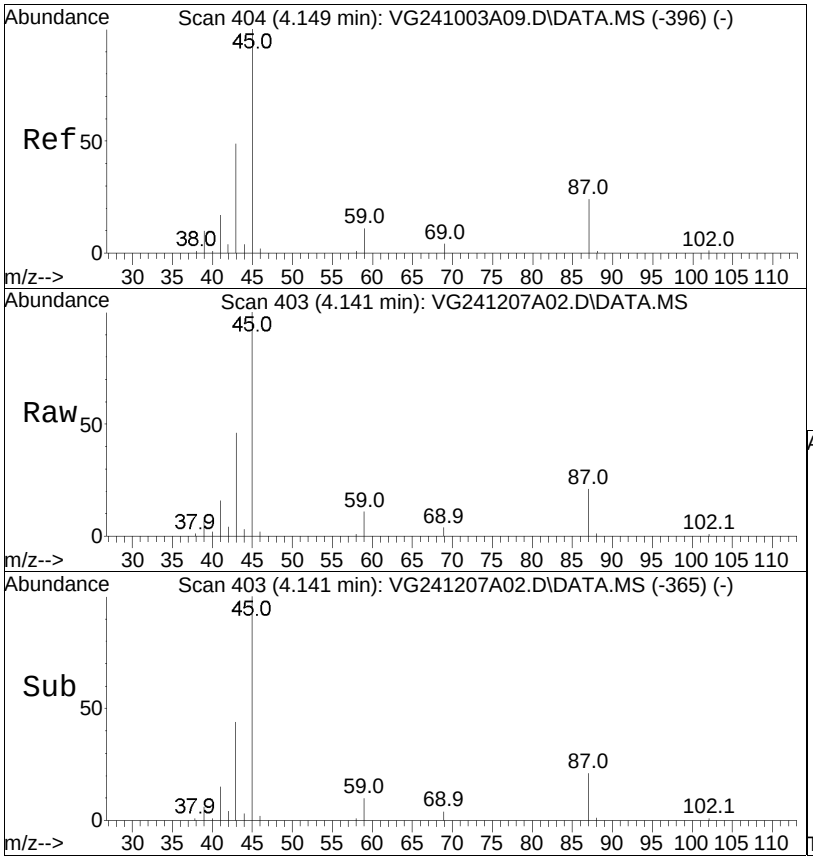


#21
tert-Butyl alcohol
Concen: 42.61 ug/L
RT: 3.883 min Scan# 369
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 59 Resp: 40321

Ion	Ratio	Lower	Upper
59	100		
41	36.7	17.0	35.2#
43	18.1	15.1	31.3

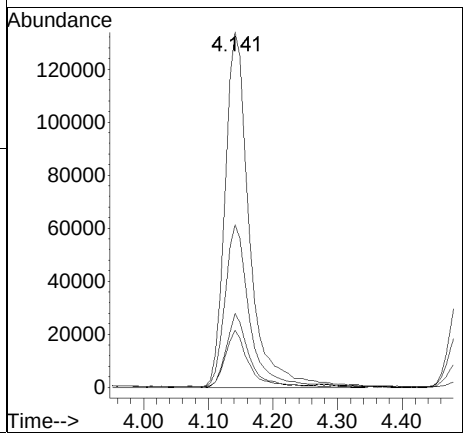


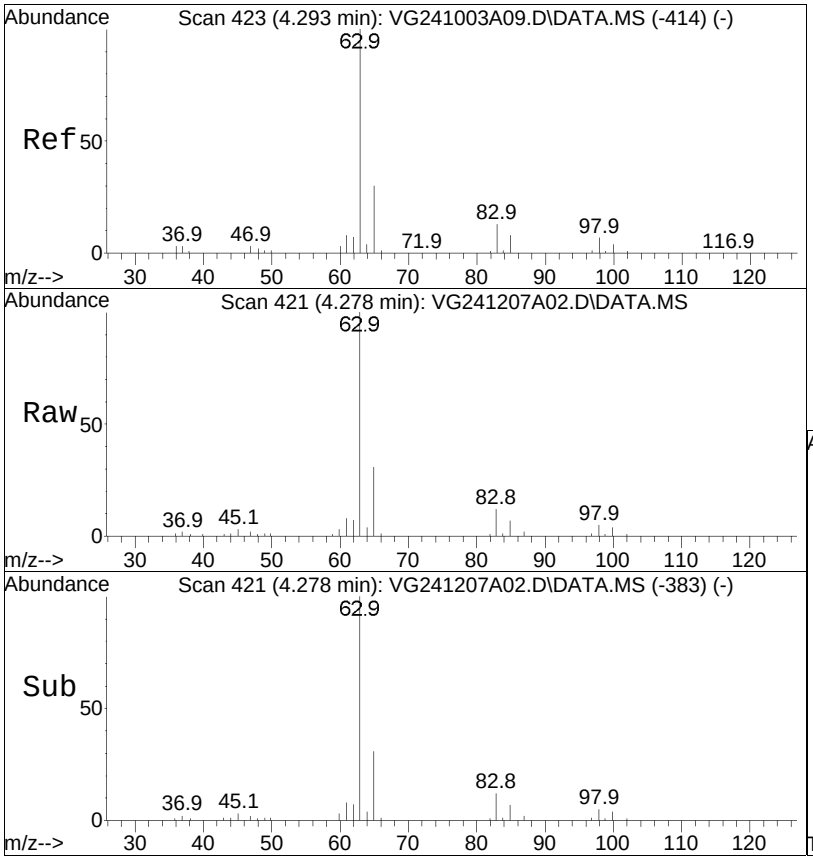


#22
Diisopropyl ether
Concen: 10.39 ug/L
RT: 4.141 min Scan# 403
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 45 Resp: 353912

Ion	Ratio	Lower	Upper
45	100		
43	45.2	32.1	66.7
87	19.3	18.1	37.7
41	14.8	11.1	23.0

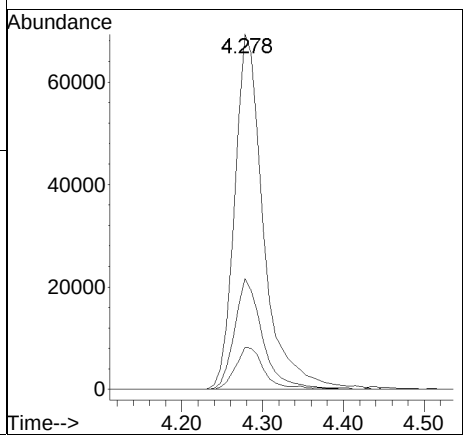


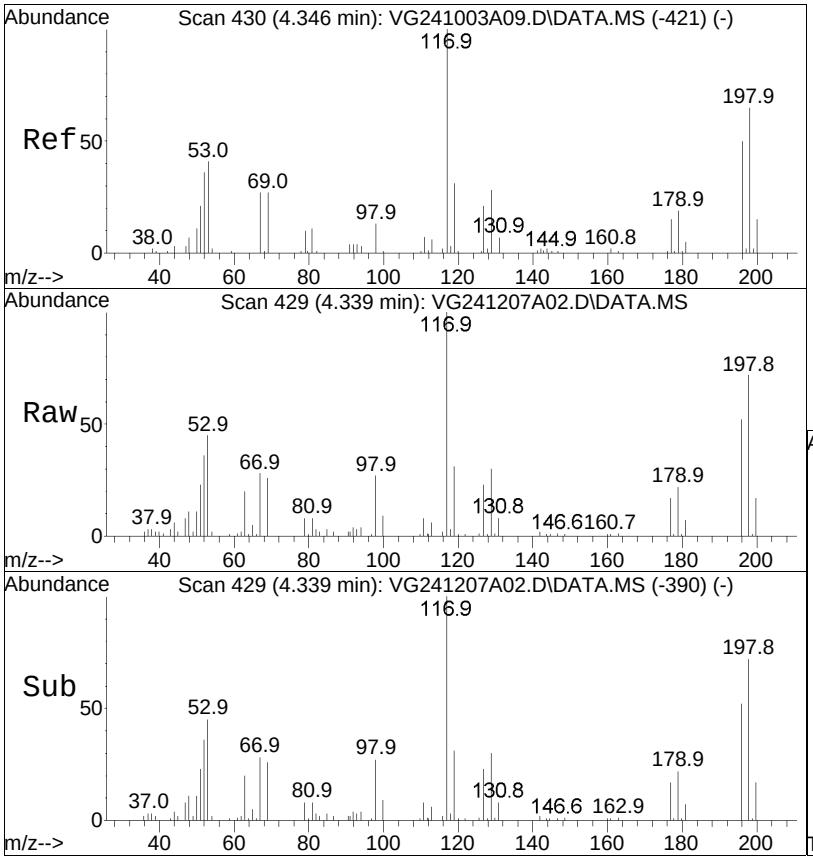


#23
1,1-Dichloroethane
Concen: 9.99 ug/L
RT: 4.278 min Scan# 421
Delta R.T. -0.015 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 63 Resp: 173276

Ion	Ratio	Lower	Upper
63	100		
65	30.3	10.4	50.4
83	11.9	0.0	33.2

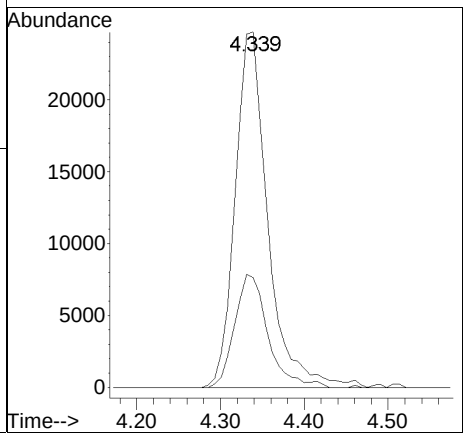


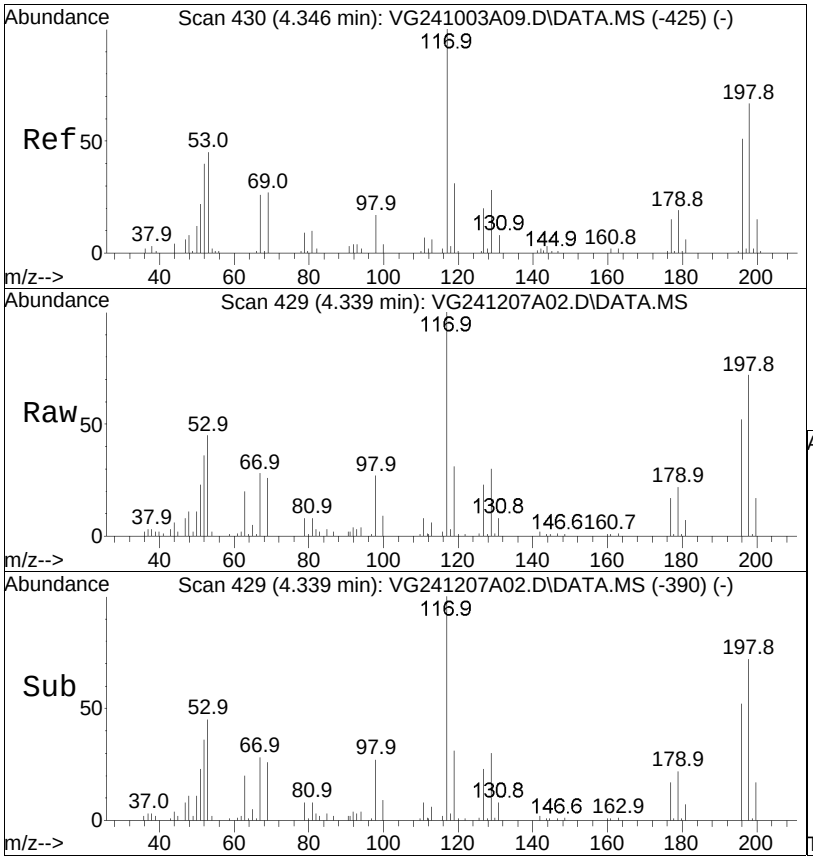


#24
Halothane
Concen: 9.39 ug/L
RT: 4.339 min Scan# 429
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:117 Resp: 66951

Ion	Ratio	Lower	Upper
117	100		
119	32.3	20.9	43.5

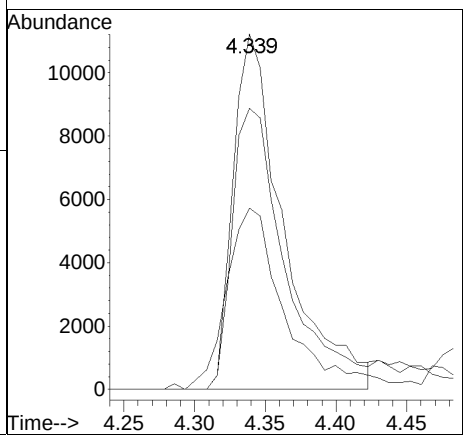


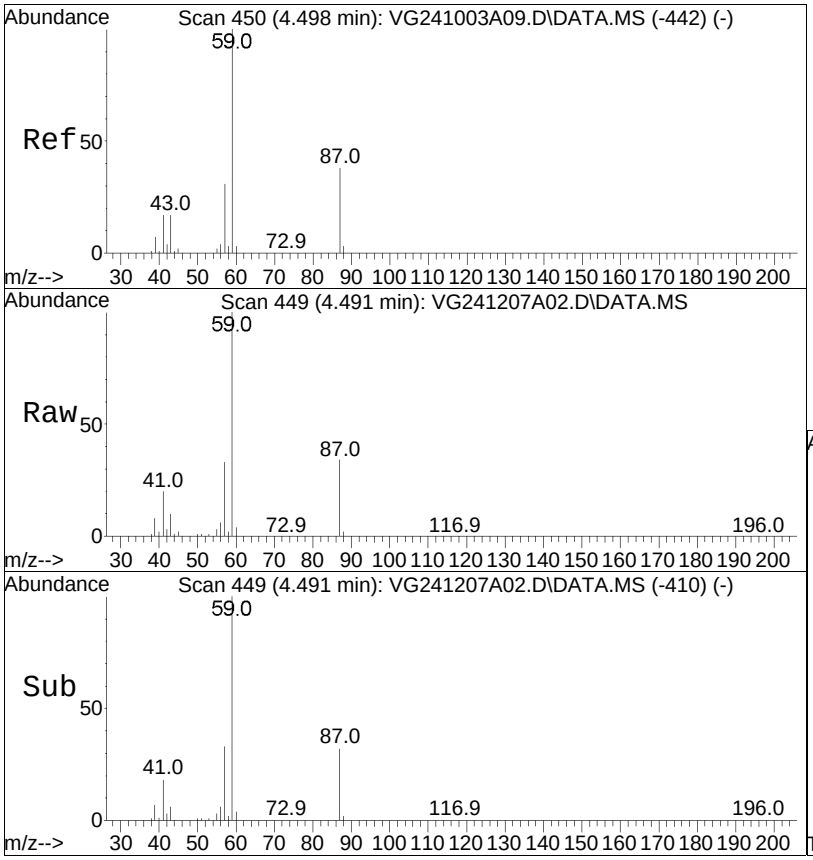


#25
Acrylonitrile
Concen: 8.79 ug/L
RT: 4.339 min Scan# 429
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 53 Resp: 28138

Ion	Ratio	Lower	Upper
53	100		
52	83.2	68.3	102.5
51	59.0	51.9	77.9

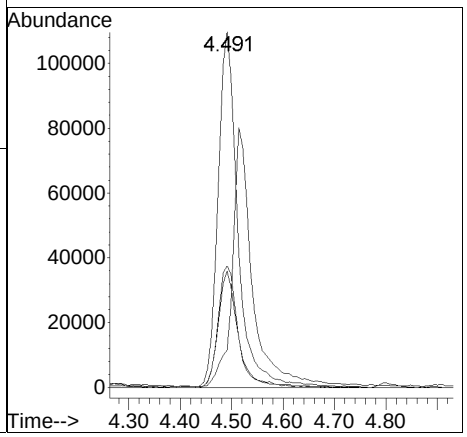


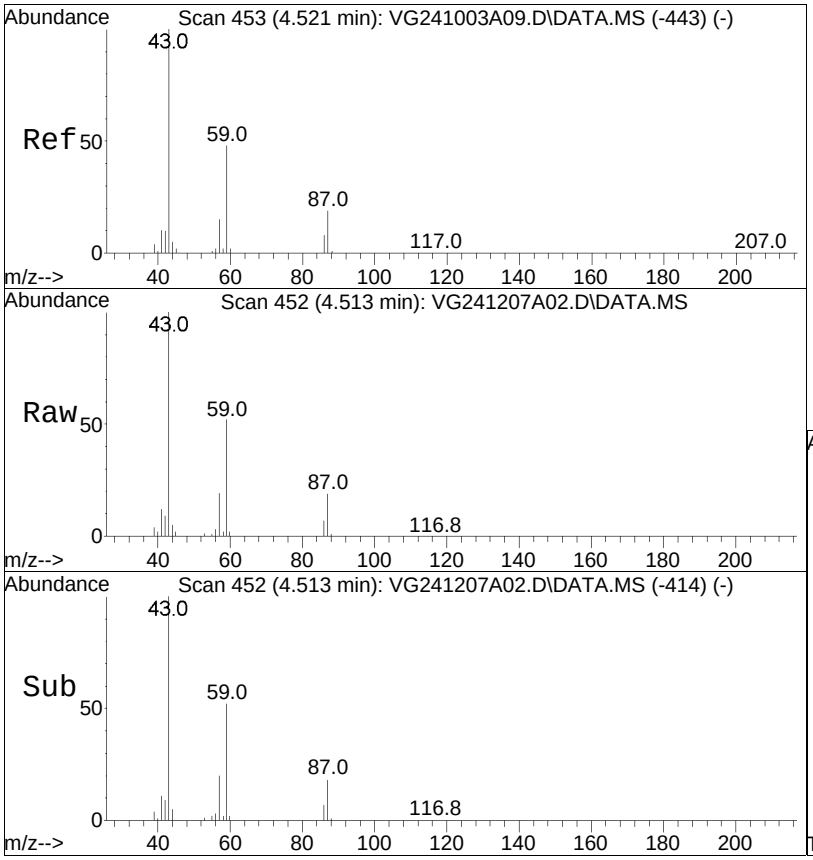


#26
Ethyl tert-butyl ether
Concen: 9.31 ug/L
RT: 4.491 min Scan# 449
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 59 Resp: 297046

Ion	Ratio	Lower	Upper
59	100		
87	35.1	28.7	59.7
57	32.0	20.2	41.9
43	73.3	38.9	80.7

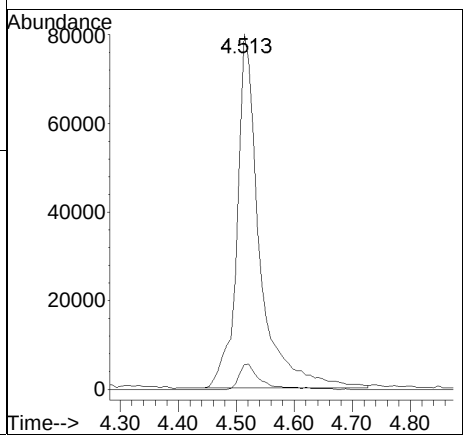


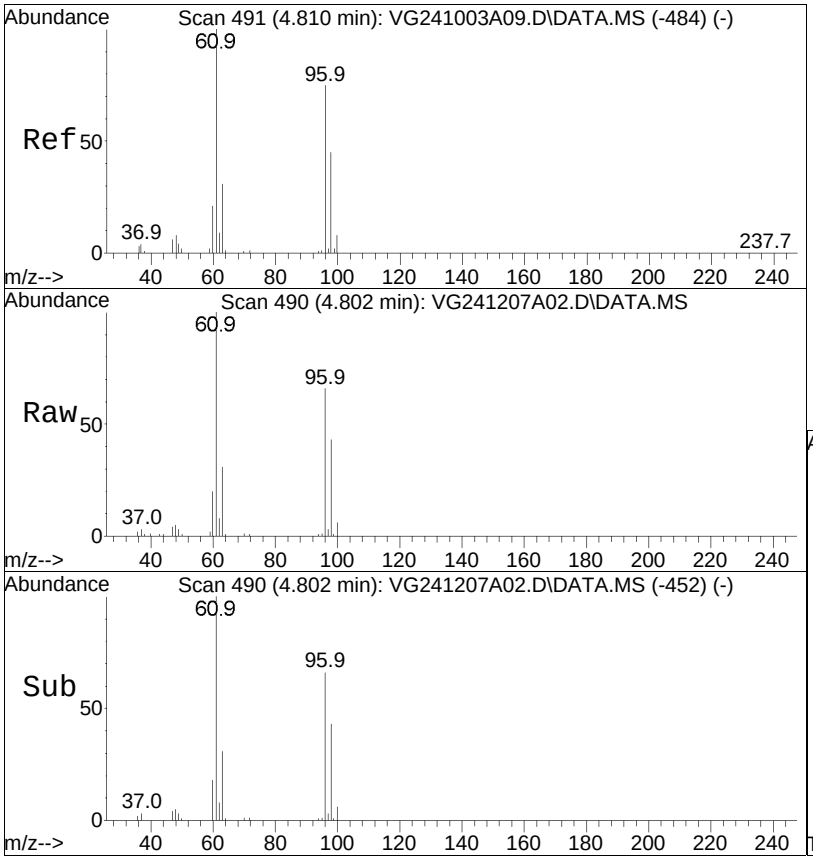


#27
Vinyl acetate
Concen: 8.96 ug/L
RT: 4.513 min Scan# 452
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 43 Resp: 217697

Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.3	9.5

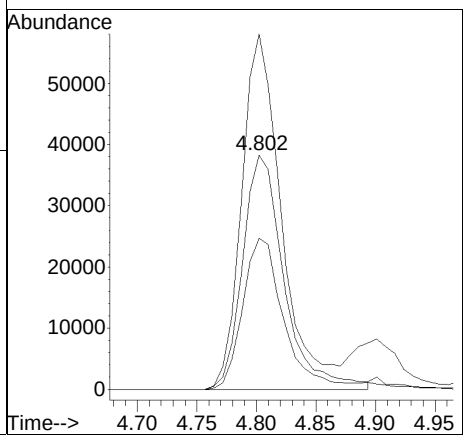


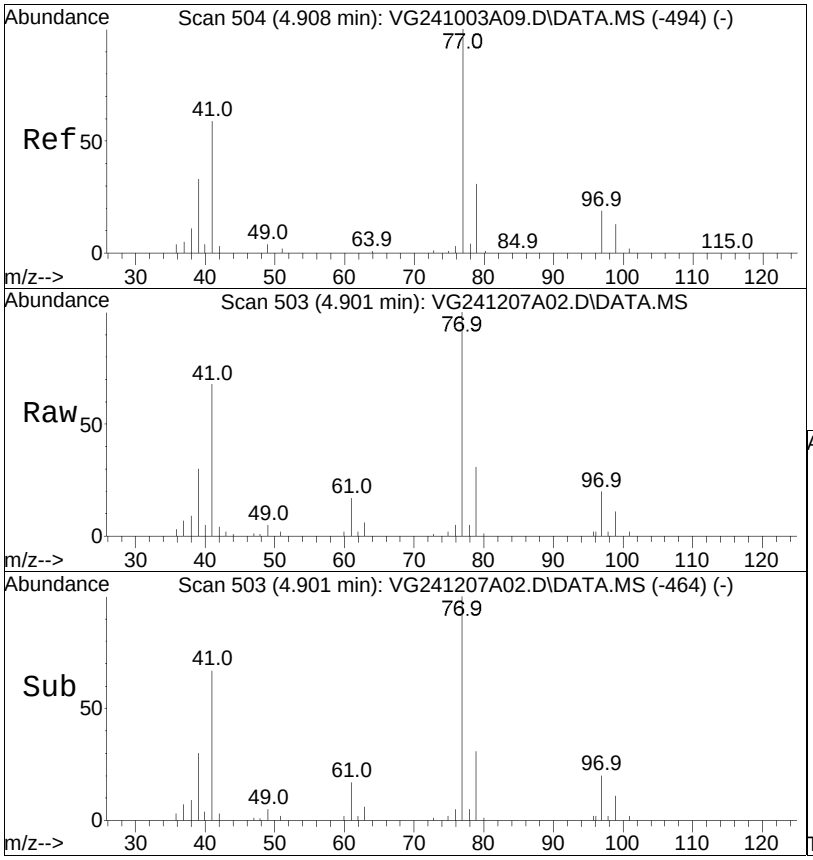


#28
cis-1,2-Dichloroethene
Concen: 8.94 ug/L
RT: 4.802 min Scan# 490
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 96 Resp: 92634

Ion	Ratio	Lower	Upper
96	100		
61	145.3	96.6	144.8#
98	66.5	51.3	76.9

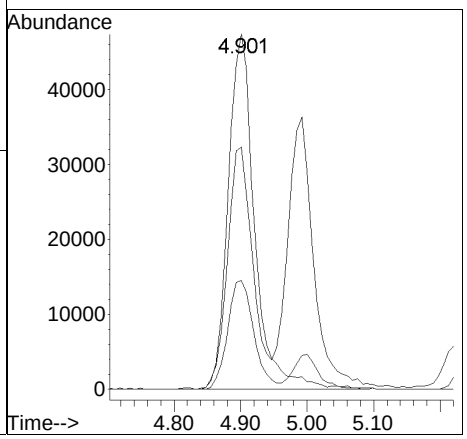


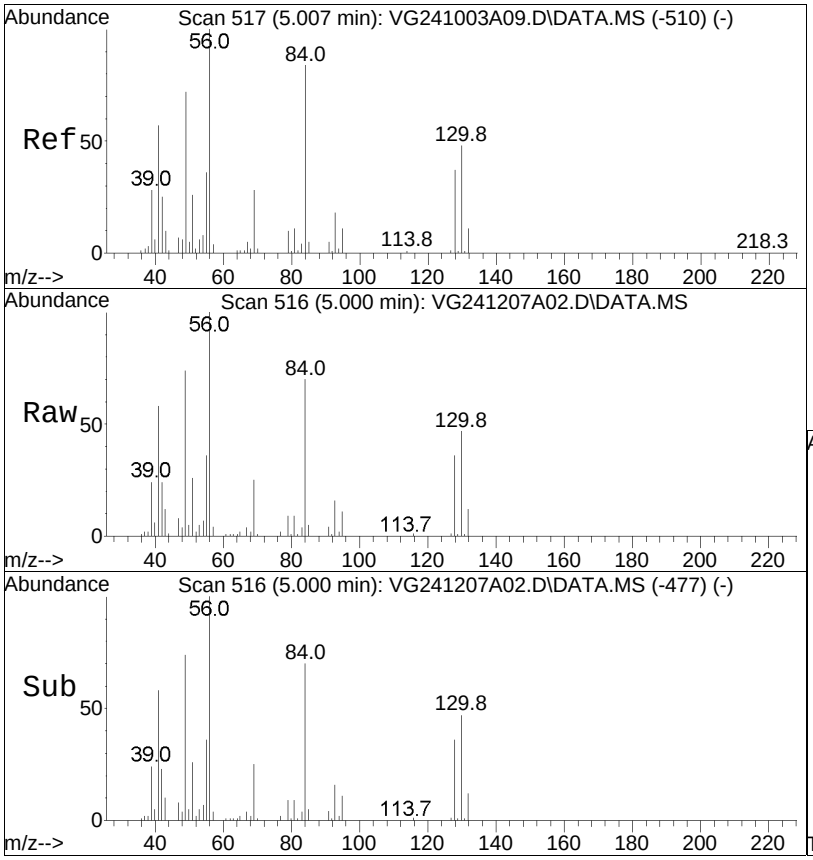


#29
2,2-Dichloropropane
Concen: 11.39 ug/L
RT: 4.901 min Scan# 503
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 77 Resp: 131223

Ion	Ratio	Lower	Upper
77	100		
41	65.4	38.1	79.1
79	30.3	20.6	42.8

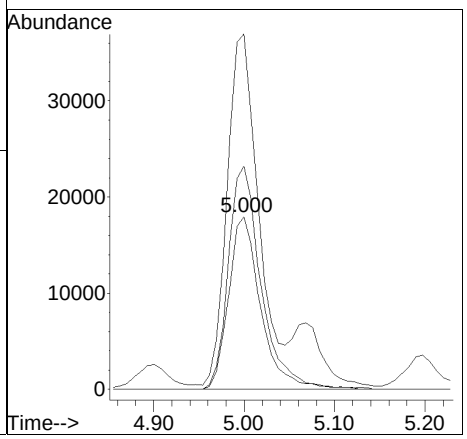


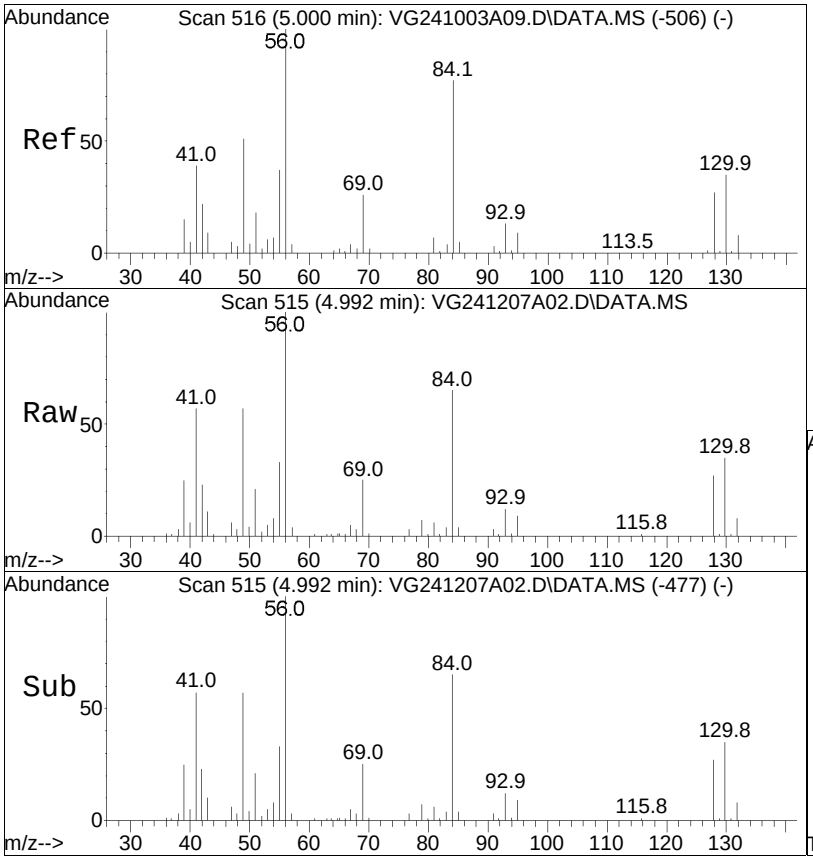


#30
Bromochloromethane
Concen: 9.46 ug/L
RT: 5.000 min Scan# 516
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:128 Resp: 44585

Ion	Ratio	Lower	Upper
128	100		
49	197.5	112.7	169.1#
130	131.4	103.3	154.9

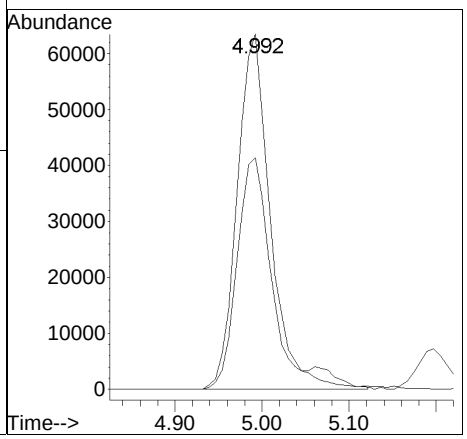


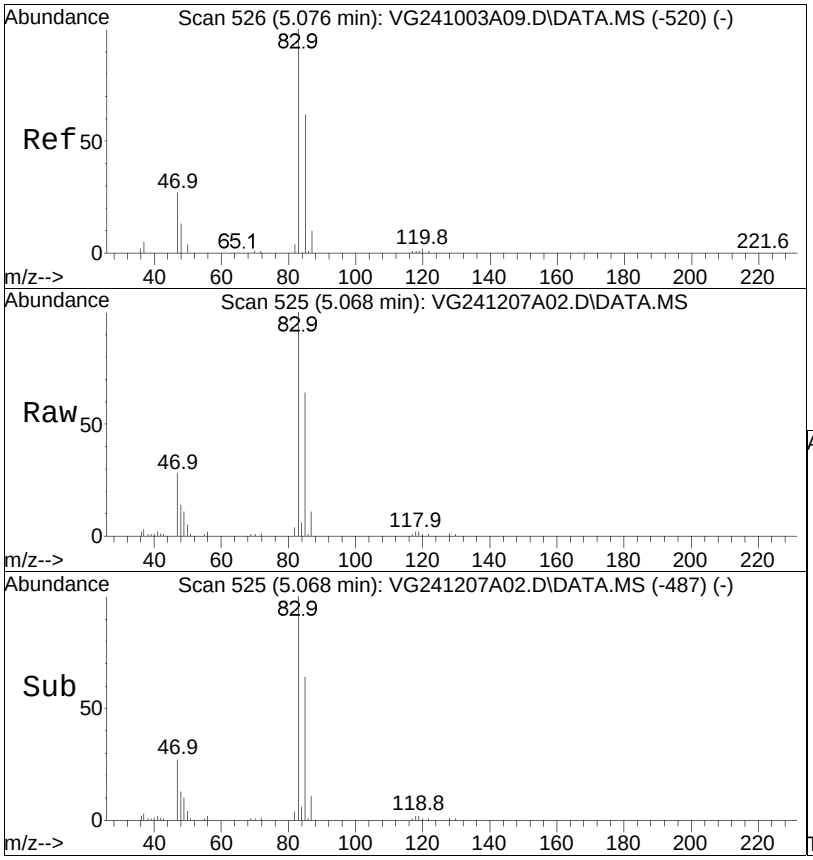


#31
Cyclohexane
Concen: 10.07 ug/L
RT: 4.992 min Scan# 515
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 56 Resp: 169220

Ion	Ratio	Lower	Upper
56	100		
84	65.4	63.8	132.4

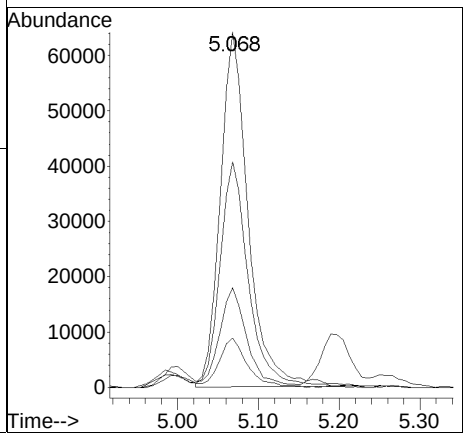


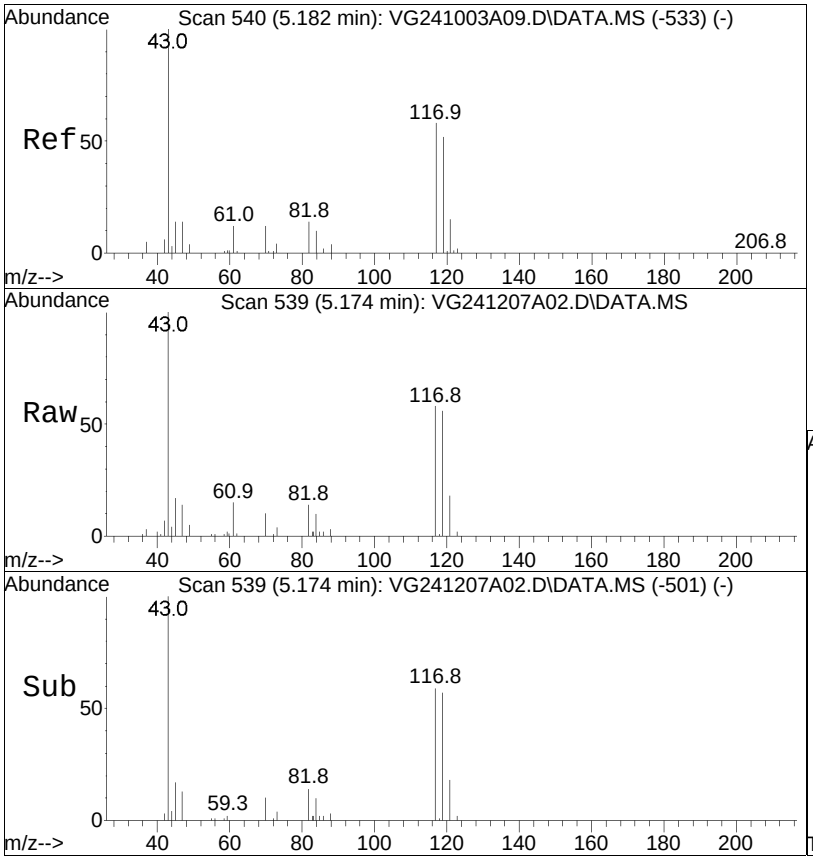


#32
Chloroform
Concen: 9.23 ug/L
RT: 5.068 min Scan# 525
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 83 Resp: 154930

Ion	Ratio	Lower	Upper
83	100		
85	63.5	41.4	86.0
47	28.0	15.1	31.3
48	13.9	7.7	16.1

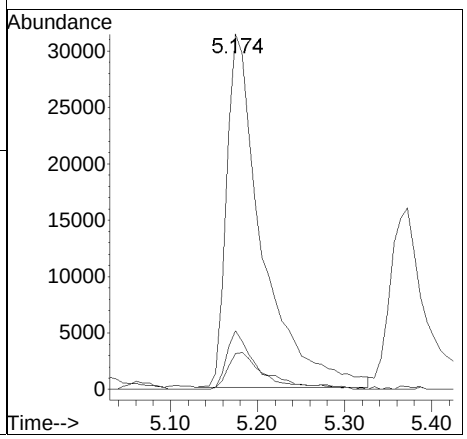


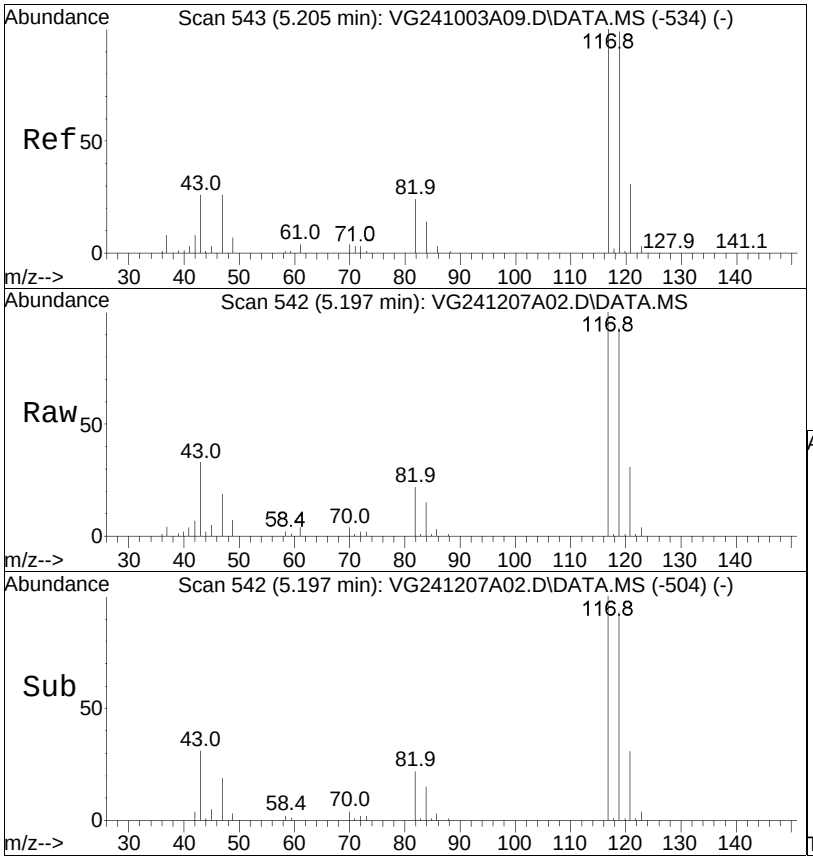


#33
Ethyl acetate
Concen: 9.62 ug/L
RT: 5.174 min Scan# 539
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 43 Resp: 88925

Ion	Ratio	Lower	Upper
43	100		
45	14.7	11.3	16.9
70	10.4	10.7	16.1#

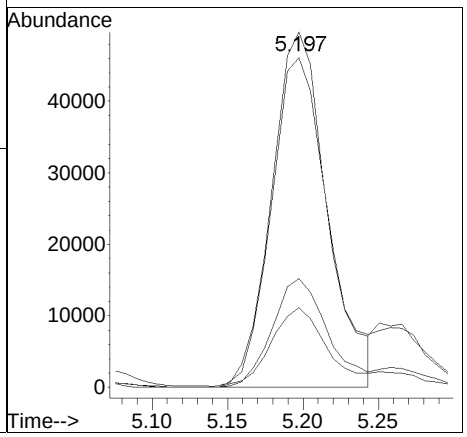


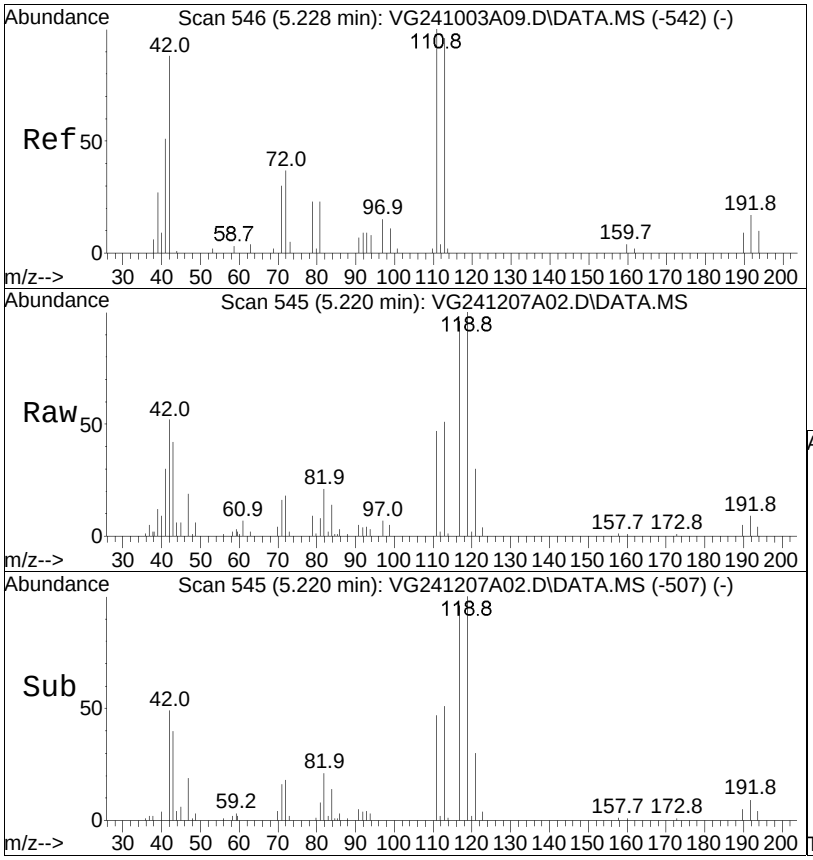


#34
Carbon tetrachloride
Concen: 9.95 ug/L
RT: 5.197 min Scan# 542
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:117 Resp: 127333

Ion	Ratio	Lower	Upper
117	100		
119	95.5	63.2	131.2
121	30.7	20.4	42.4
82	22.8	15.4	32.0

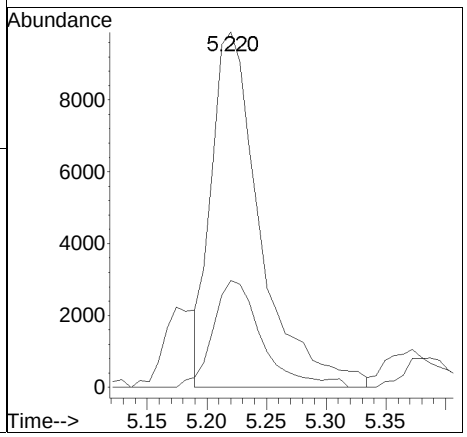


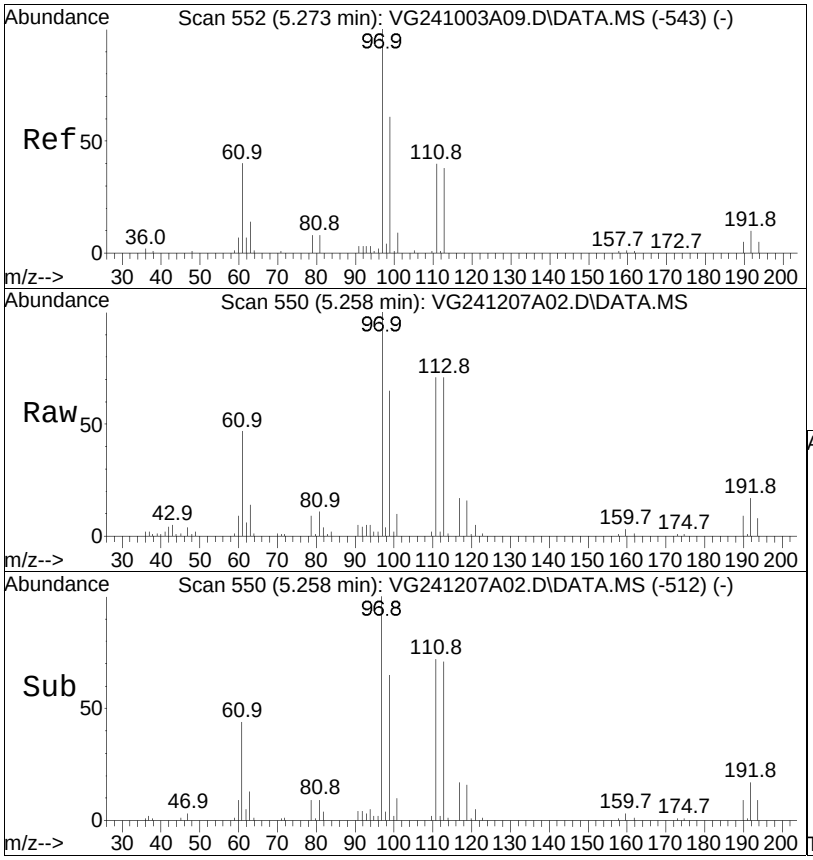


#35
Tetrahydrofuran
Concen: 9.45 ug/L M6
RT: 5.220 min Scan# 545
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 42 Resp: 28316

Ion	Ratio	Lower	Upper
42	100		
71	30.2	35.9	53.9#

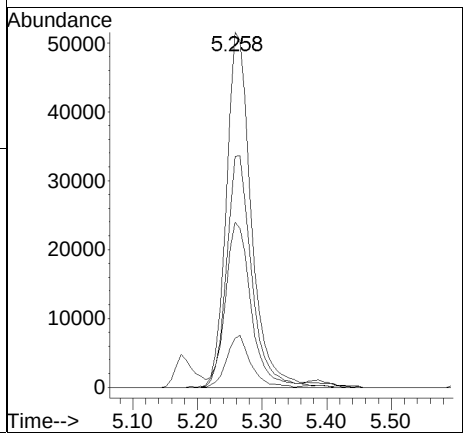


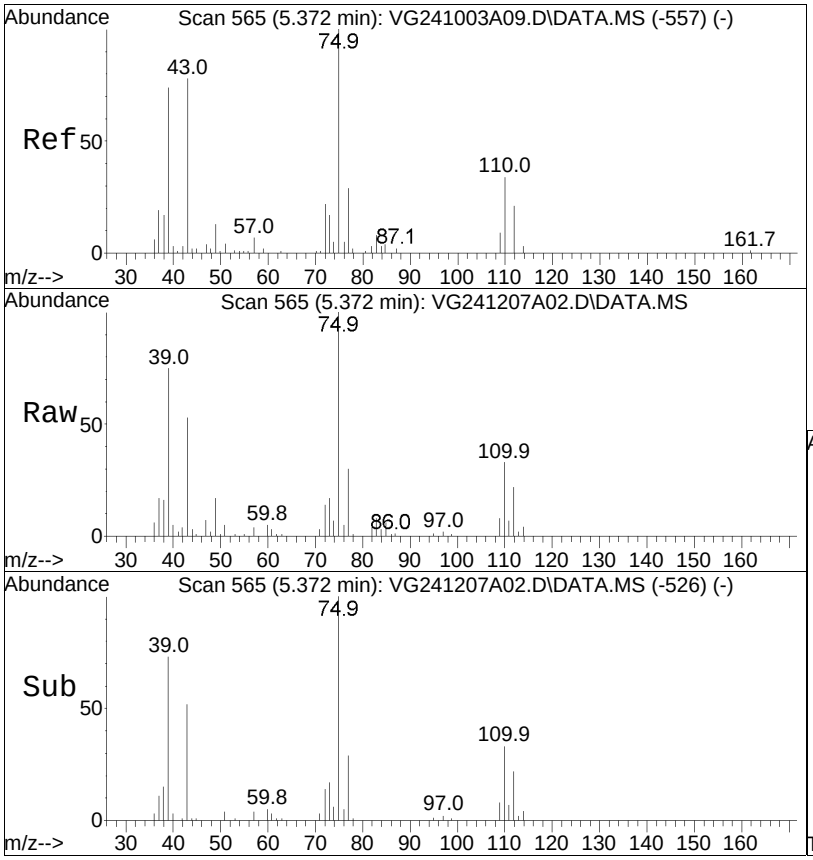


#37
1,1,1-Trichloroethane
Concen: 9.48 ug/L
RT: 5.258 min Scan# 550
Delta R.T. -0.015 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 97 Resp: 140293

Ion	Ratio	Lower	Upper
97	100		
99	65.2	41.3	85.7
61	47.2	26.0	54.0
63	14.0	8.6	18.0

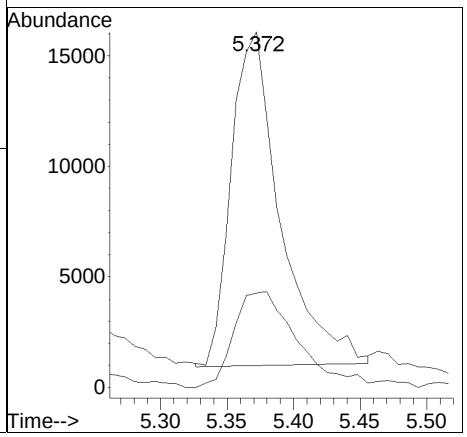


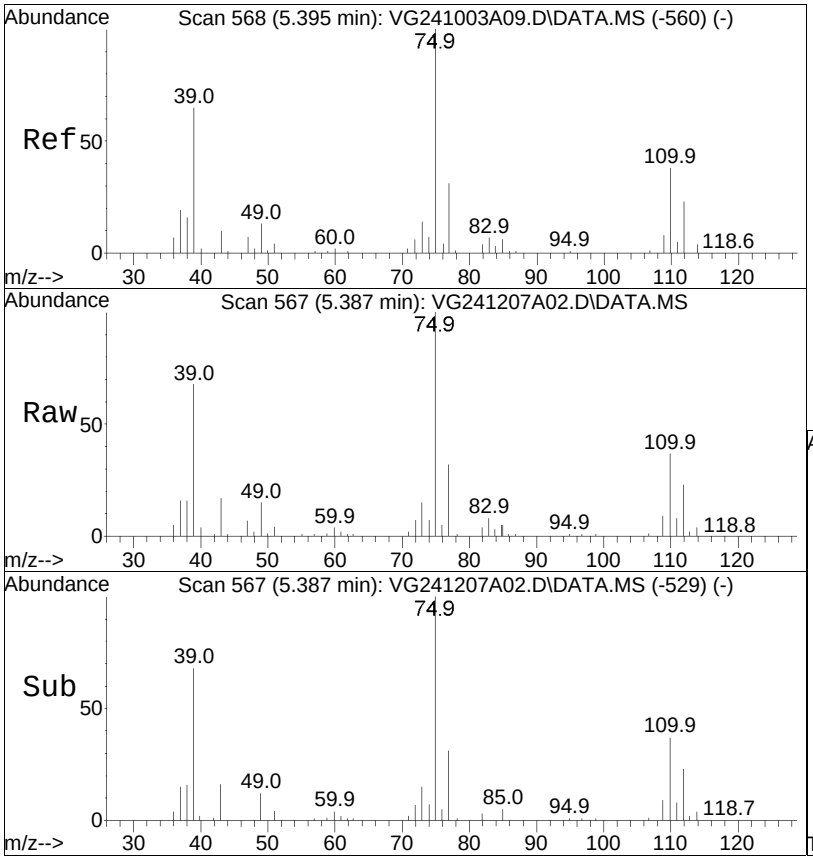


#39
2-Butanone
Concen: 9.89 ug/L
RT: 5.372 min Scan# 565
Delta R.T. -0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 43 Resp: 38687

Ion	Ratio	Lower	Upper
43	100		
72	37.4	42.6	63.8#

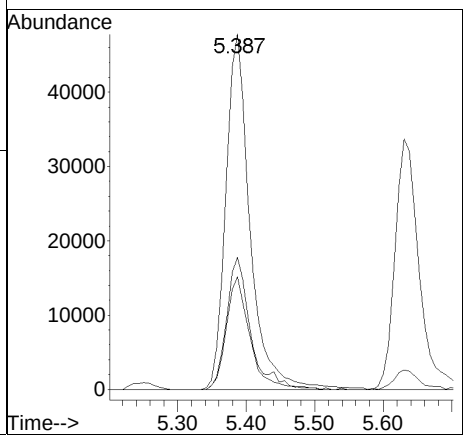


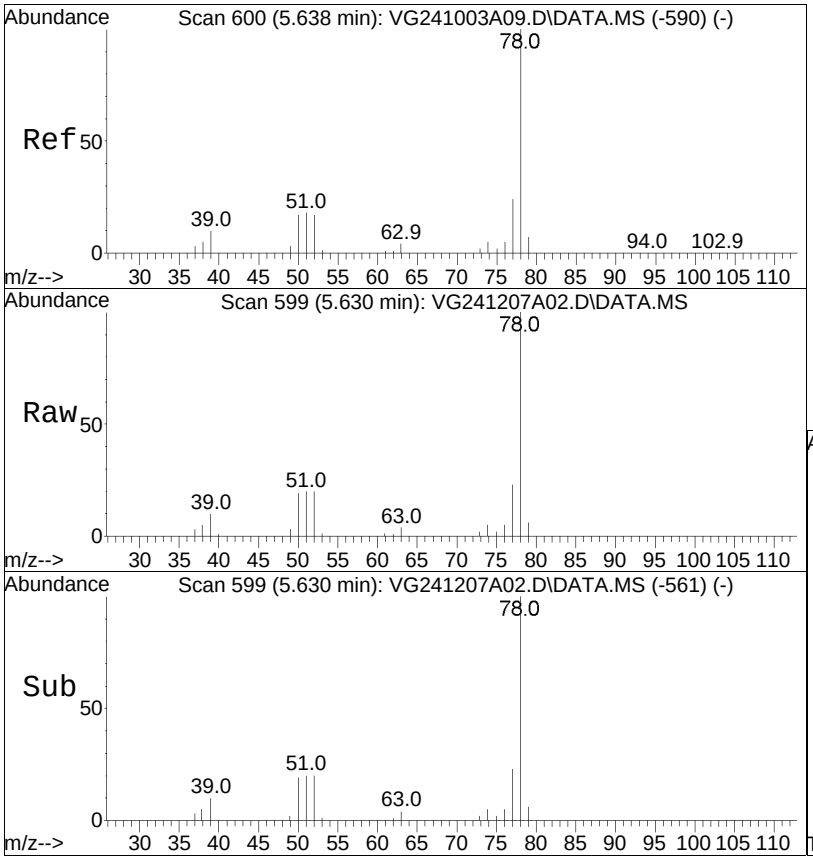


#40
1,1-Dichloropropene
Concen: 9.49 ug/L
RT: 5.387 min Scan# 567
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 75 Resp: 117872

Ion	Ratio	Lower	Upper
75	100		
110	36.7	24.1	50.1
77	30.6	19.8	41.0

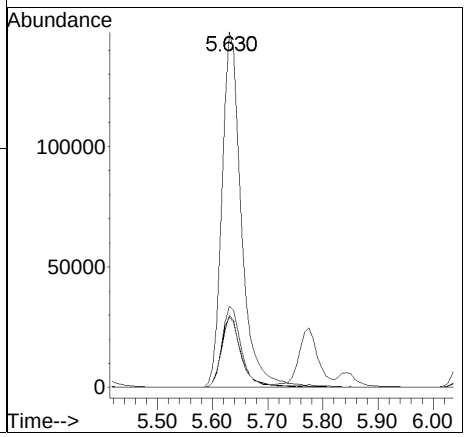


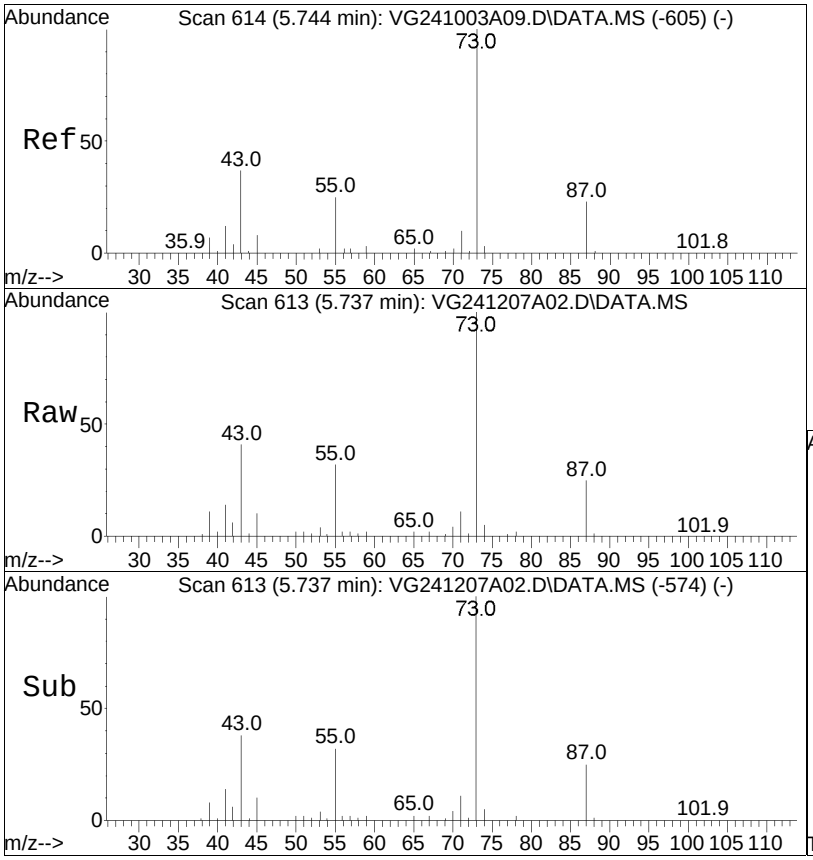


#41
Benzene
Concen: 9.42 ug/L
RT: 5.630 min Scan# 599
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 78 Resp: 363717

Ion	Ratio	Lower	Upper
78	100		
77	22.9	15.5	32.1
51	19.9	9.9	20.7
52	20.6	9.2	19.2#

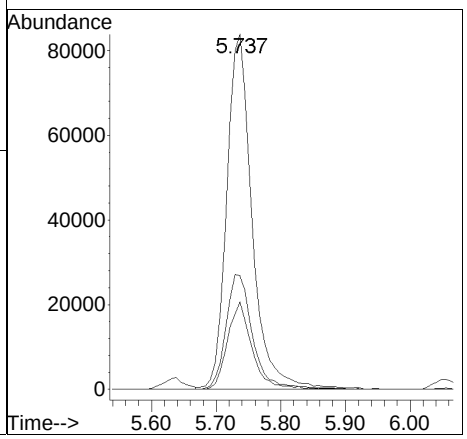


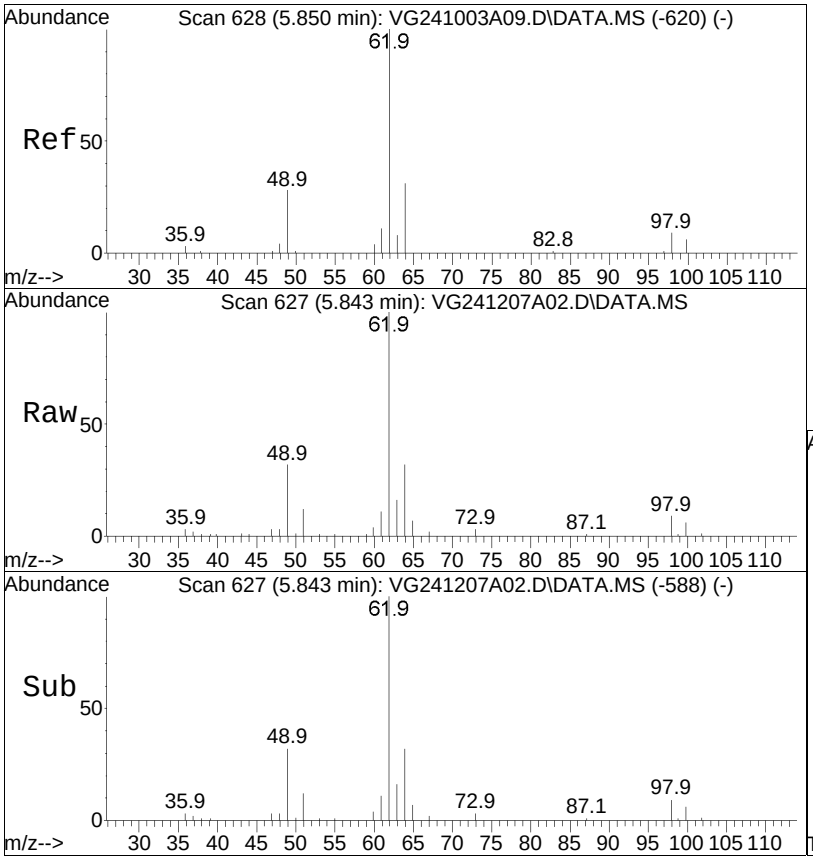


#42
tert-Amyl methyl ether
Concen: 8.21 ug/L
RT: 5.737 min Scan# 613
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 73 Resp: 230209

Ion	Ratio	Lower	Upper
73	100		
55	34.1	15.2	31.6#
87	23.6	15.7	32.5

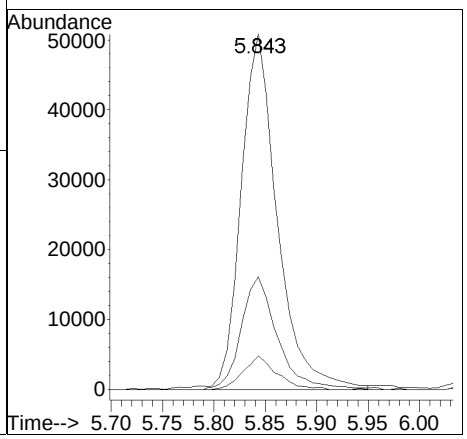


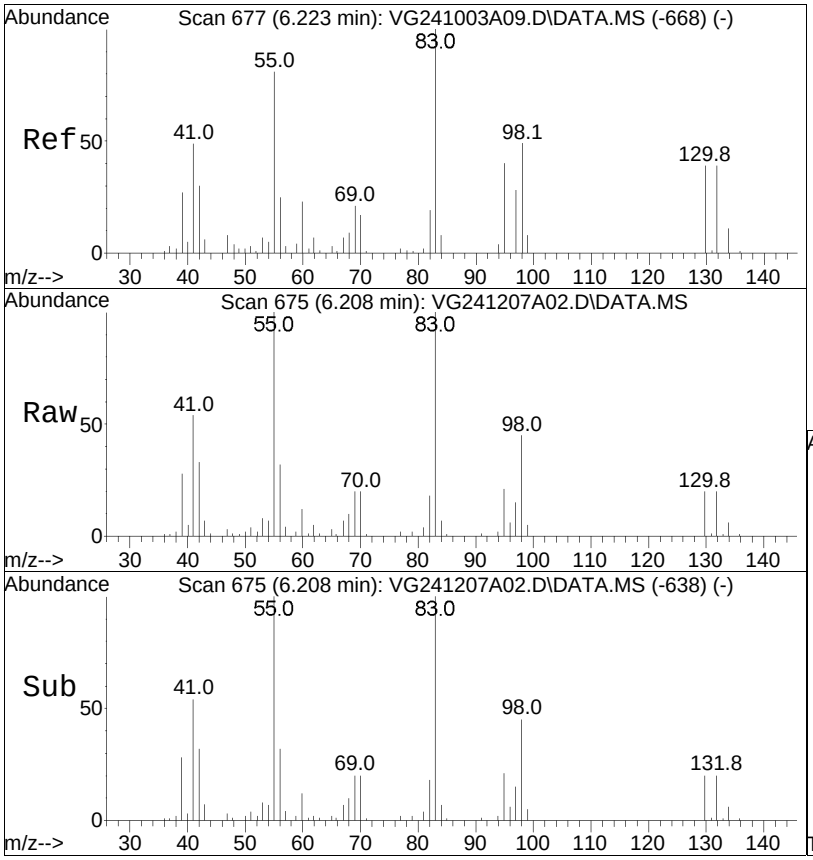


#44
1,2-Dichloroethane
Concen: 9.51 ug/L
RT: 5.843 min Scan# 627
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 62 Resp: 124447

Ion	Ratio	Lower	Upper
62	100		
64	32.4	11.9	51.9
98	8.7	0.0	29.3

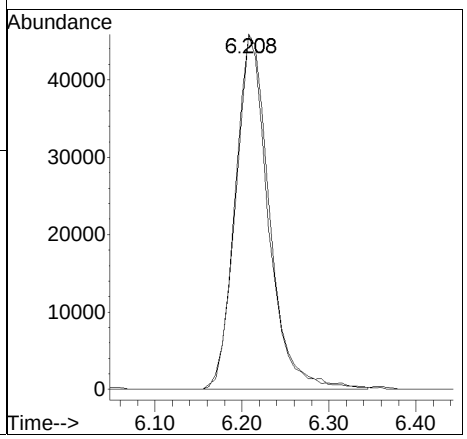


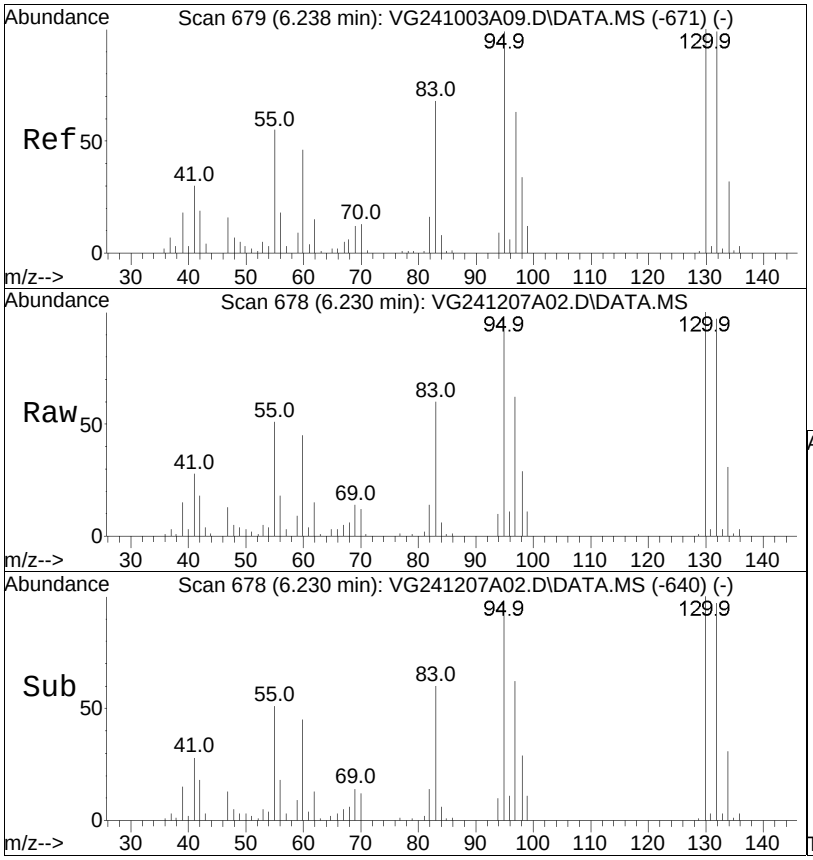


#47
Methyl cyclohexane
Concen: 8.83 ug/L
RT: 6.208 min Scan# 675
Delta R.T. -0.015 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 83 Resp: 124042

Ion	Ratio	Lower	Upper
83	100		
55	97.9	56.0	84.0#

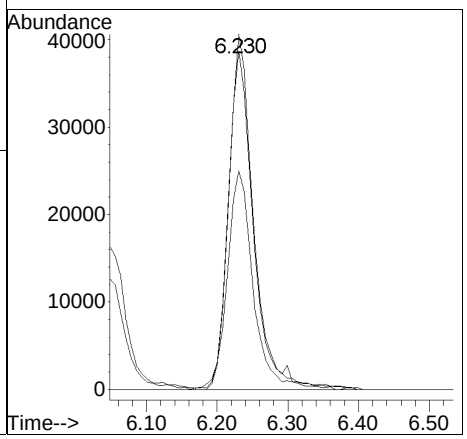


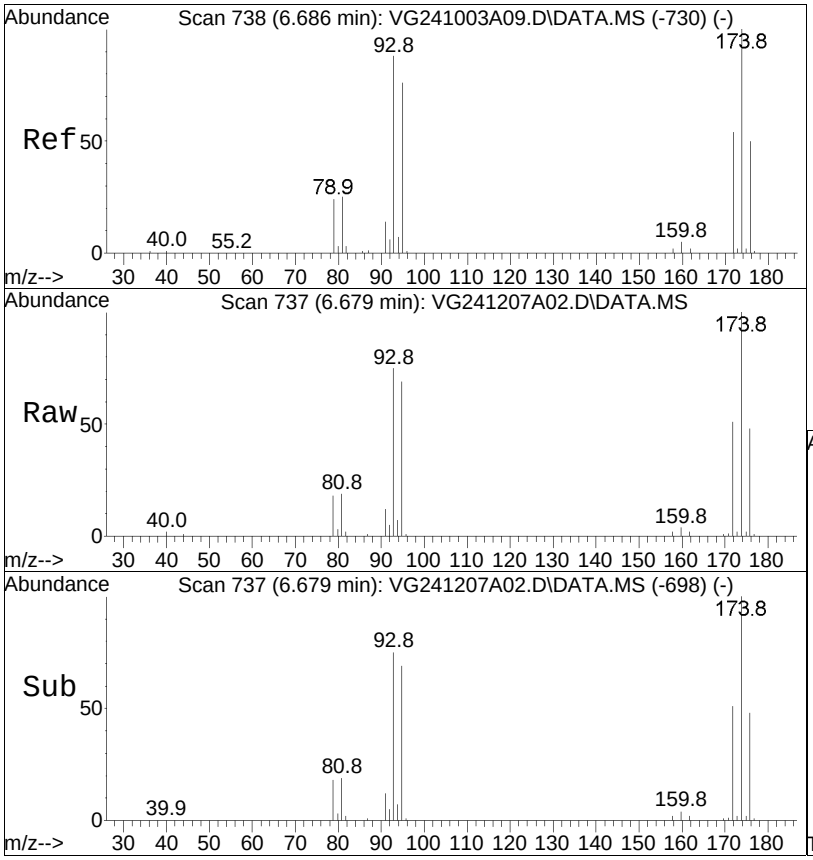


#48
Trichloroethene
Concen: 9.29 ug/L
RT: 6.230 min Scan# 678
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 95 Resp: 96355

Ion	Ratio	Lower	Upper
95	100		
97	66.0	54.0	81.0
130	103.4	85.0	127.4

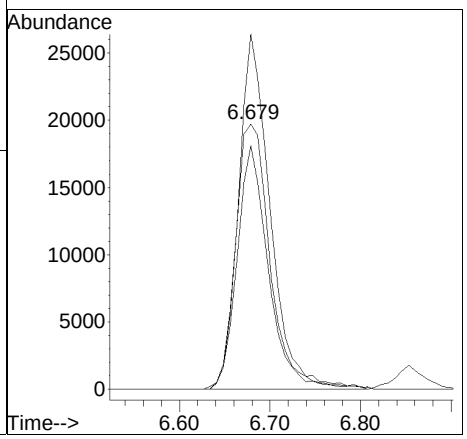


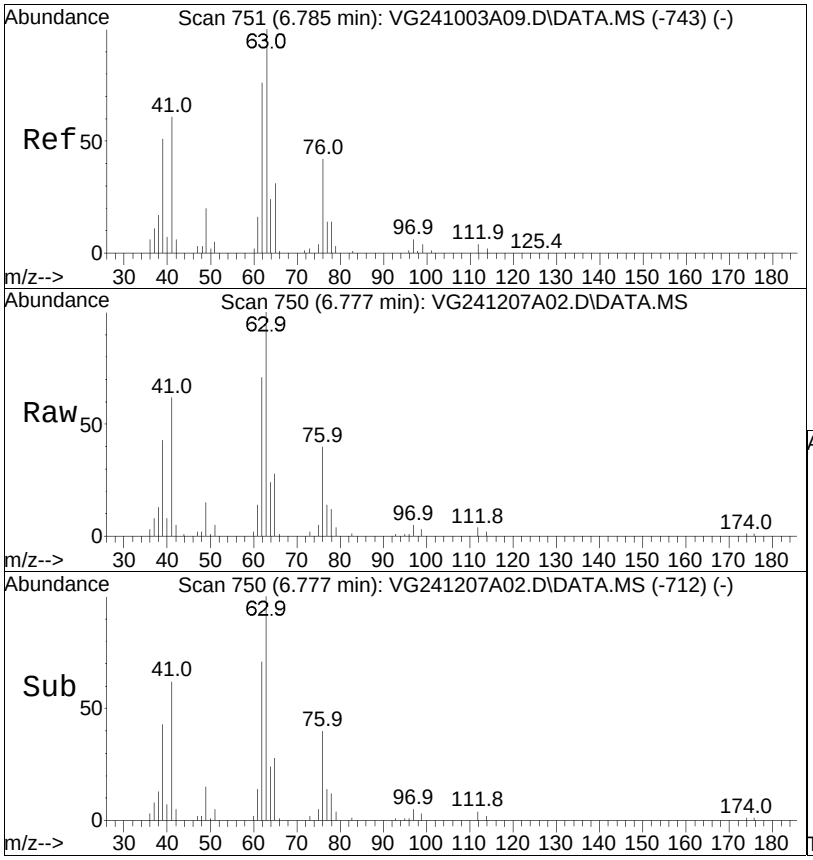


#50
Dibromomethane
Concen: 8.88 ug/L
RT: 6.679 min Scan# 737
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 93 Resp: 52402

Ion	Ratio	Lower	Upper
93	100		
95	84.0	66.6	100.0
174	123.1	90.5	135.7

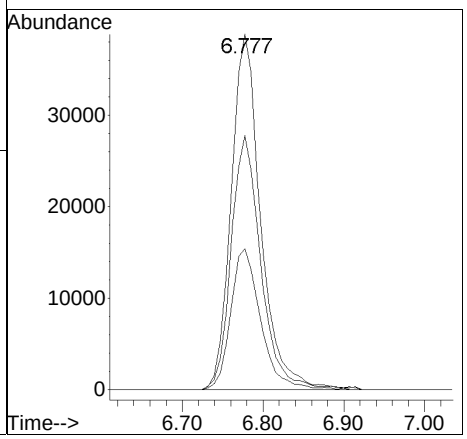


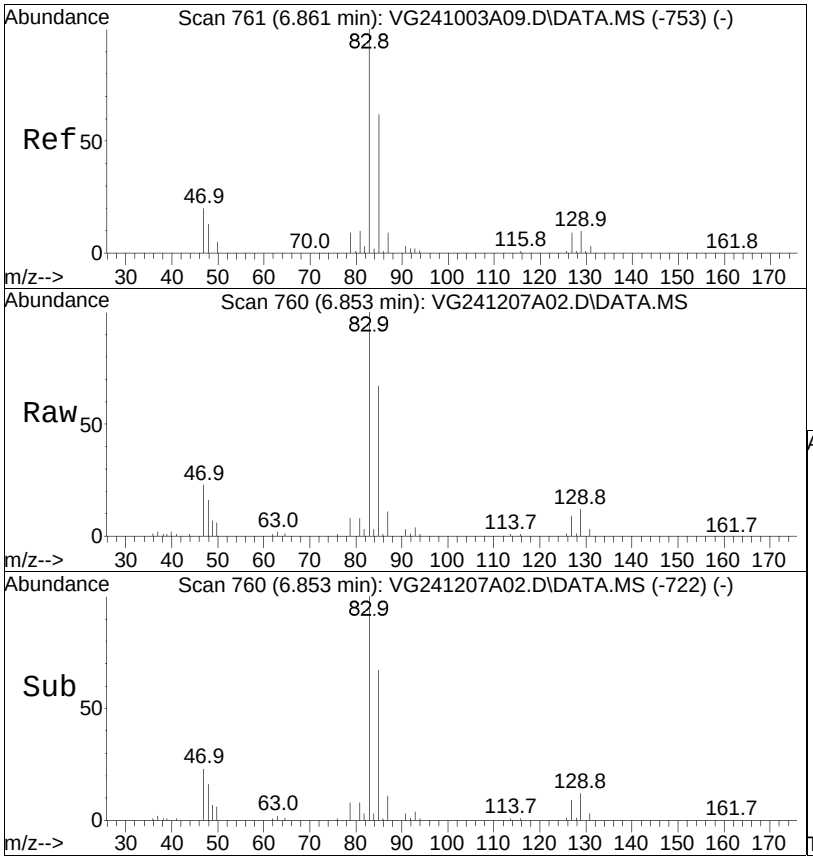


#51
1,2-Dichloropropane
Concen: 9.82 ug/L
RT: 6.777 min Scan# 750
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 63 Resp: 98441

Ion	Ratio	Lower	Upper
63	100		
62	72.0	56.5	84.7
76	40.1	34.6	52.0

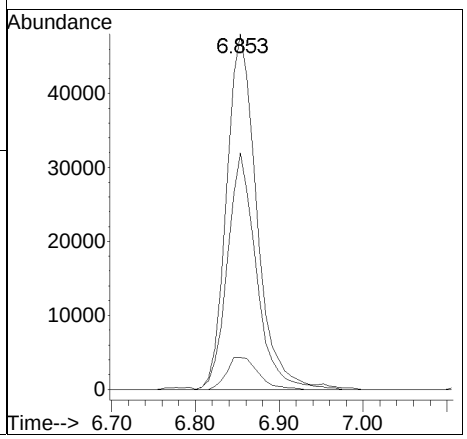


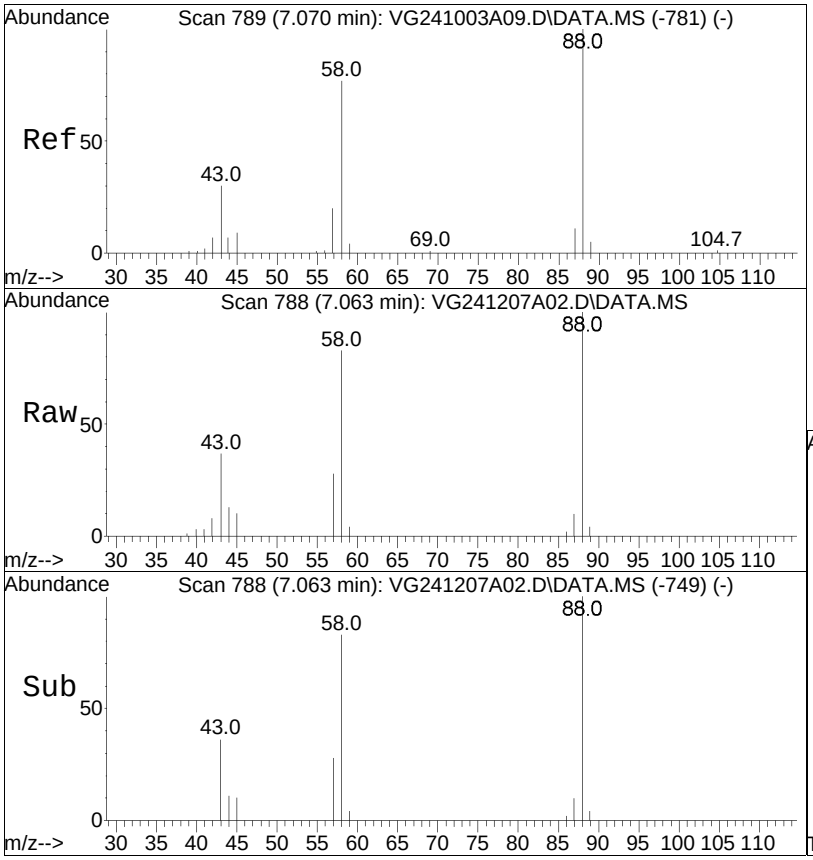


#54
Bromodichloromethane
Concen: 8.94 ug/L
RT: 6.853 min Scan# 760
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 83 Resp: 120795

Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	9.4	7.4	11.2

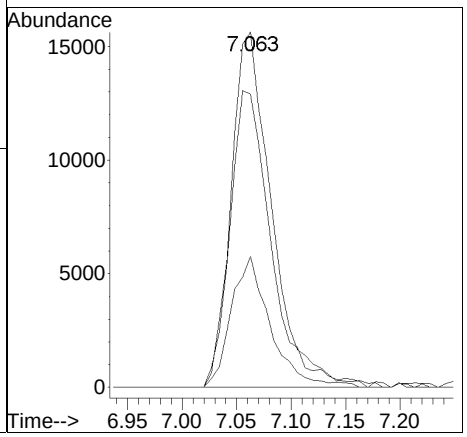


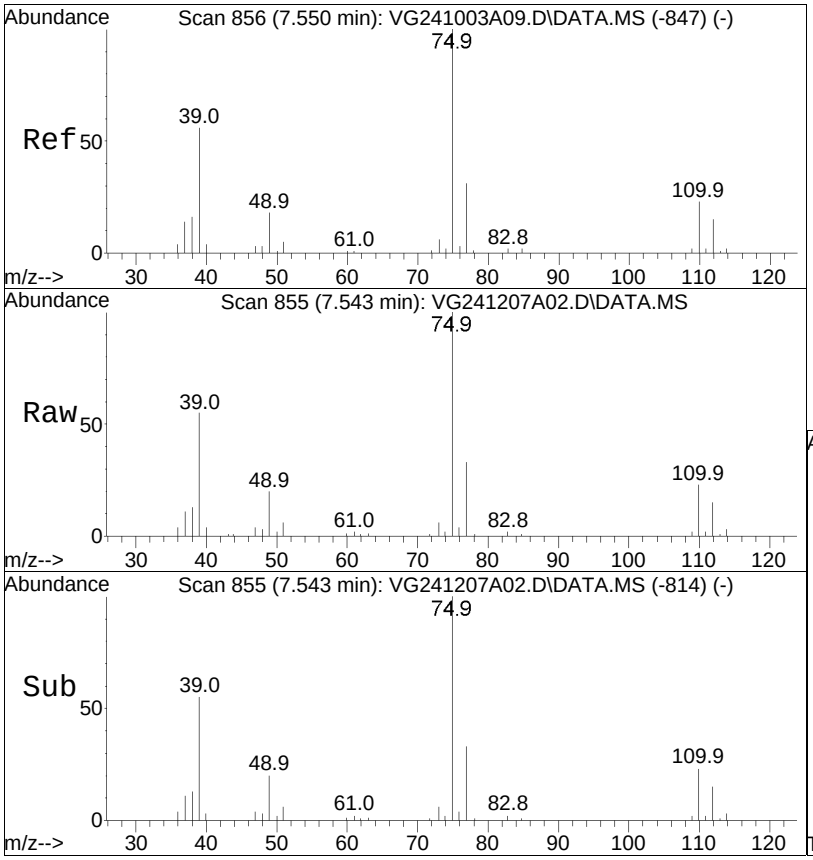


#57
1,4-Dioxane
Concen: 403.75 ug/L
RT: 7.063 min Scan# 788
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 88 Resp: 40661

Ion	Ratio	Lower	Upper
88	100		
58	84.8	48.7	73.1#
43	35.6	22.4	33.6#

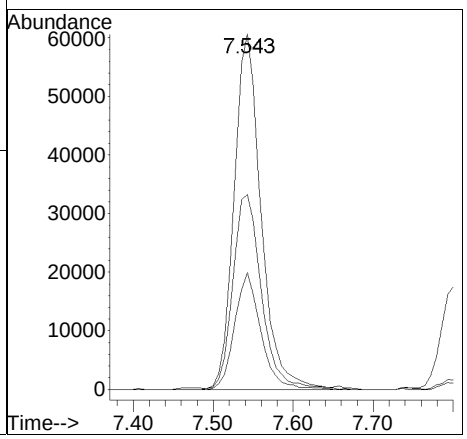


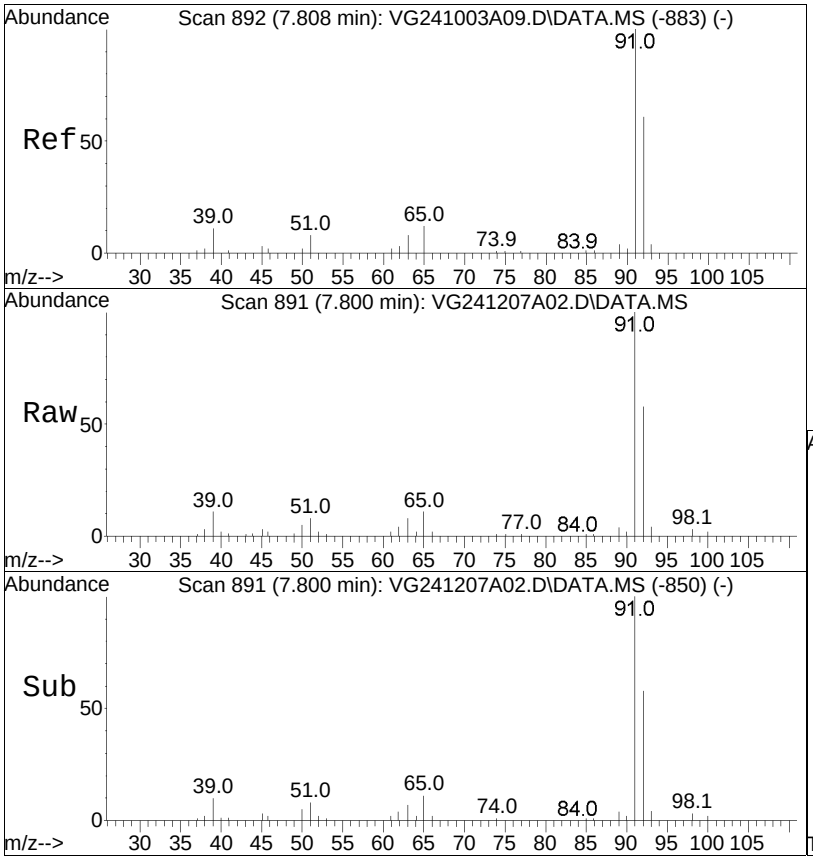


#58
cis-1,3-Dichloropropene
Concen: 9.33 ug/L
RT: 7.543 min Scan# 855
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 75 Resp: 142856

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	36.8
39	57.8	40.8	61.2

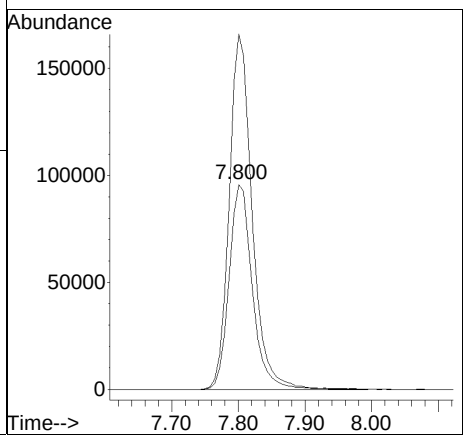


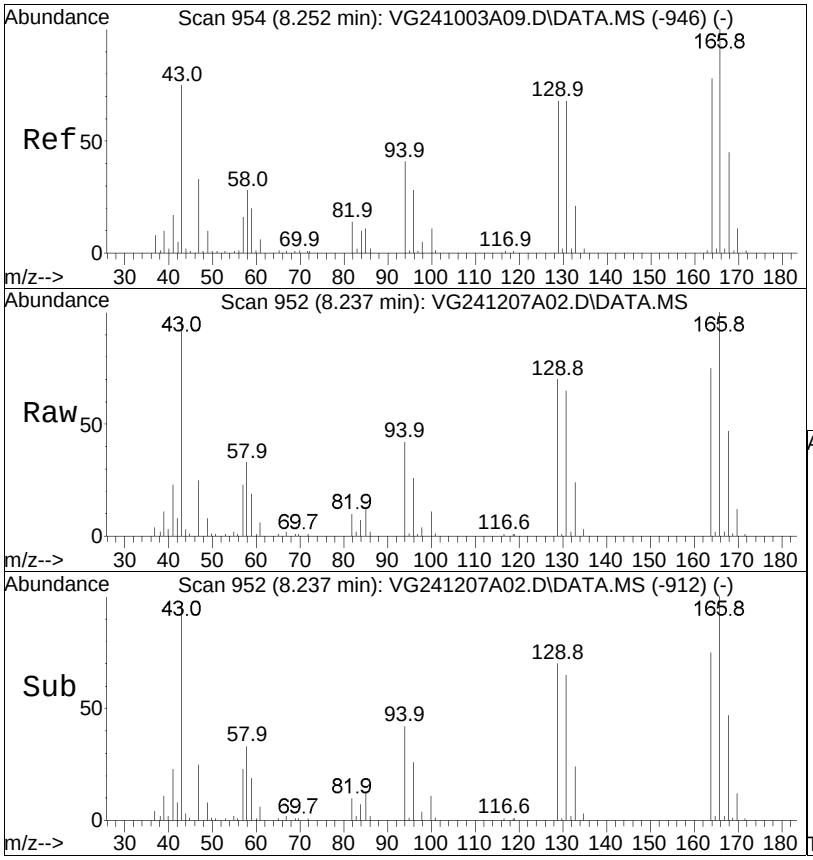


#61
Toluene
Concen: 9.19 ug/L
RT: 7.800 min Scan# 891
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 92 Resp: 232195

Ion	Ratio	Lower	Upper
92	100		
91	170.4	134.8	202.2

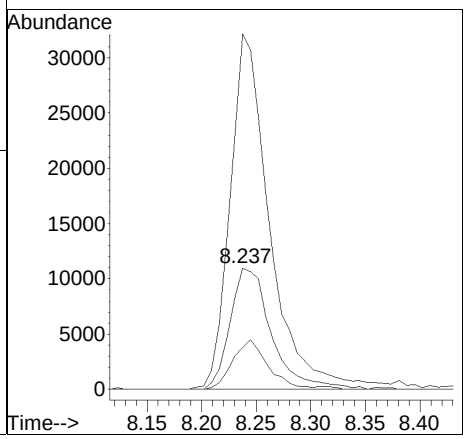


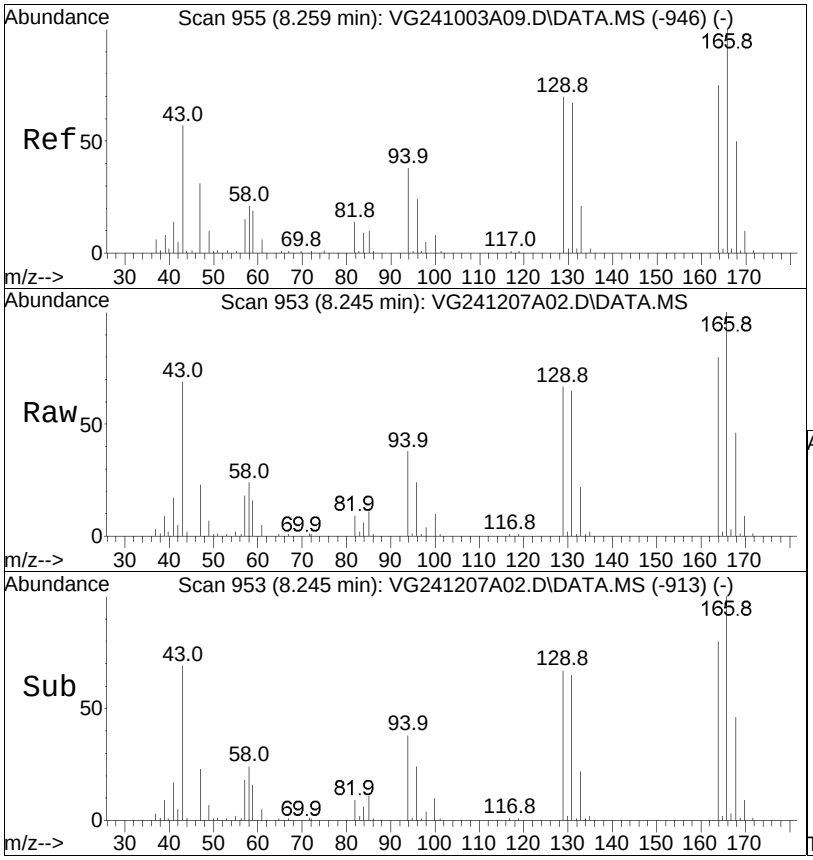


#62
4-Methyl-2-pentanone
Concen: 8.20 ug/L
RT: 8.237 min Scan# 952
Delta R.T. -0.015 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 58 Resp: 29000

Ion	Ratio	Lower	Upper
58	100		
100	34.8	33.6	50.4
43	281.3	204.3	306.5

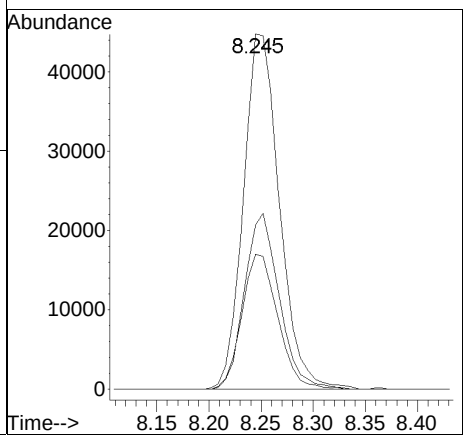


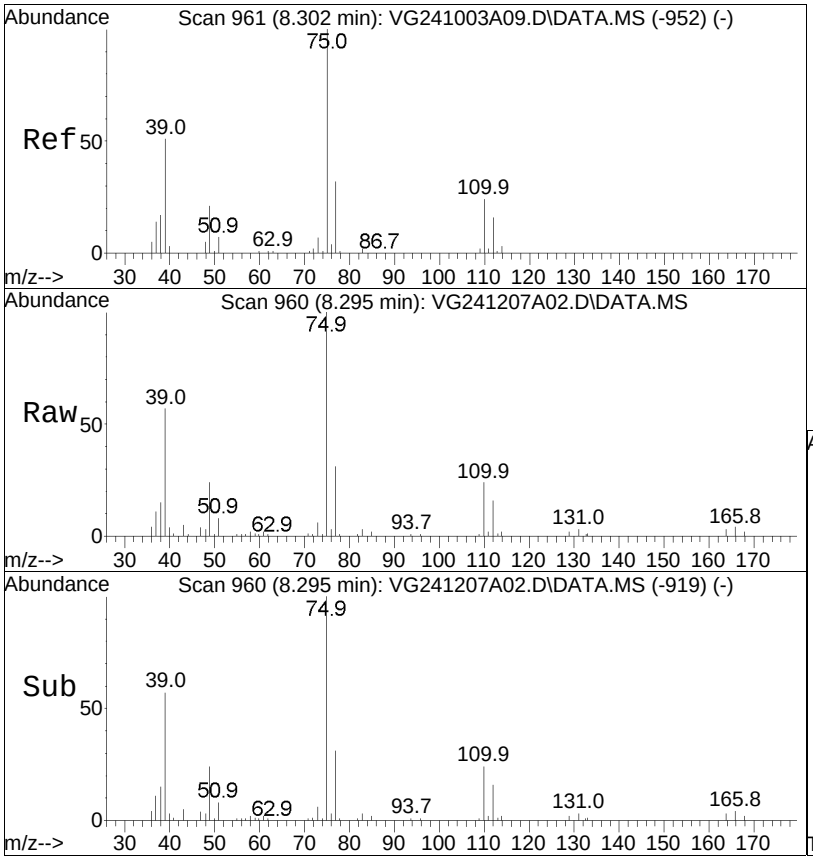


#63
Tetrachloroethene
Concen: 9.88 ug/L
RT: 8.245 min Scan# 953
Delta R.T. -0.014 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:166 Resp: 107934

Ion	Ratio	Lower	Upper
166	100		
168	47.8	27.3	67.3
94	38.0	20.5	60.5

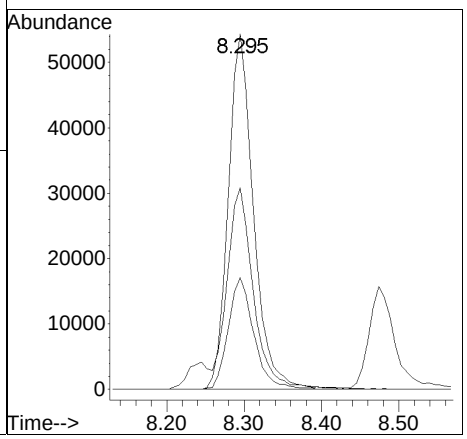


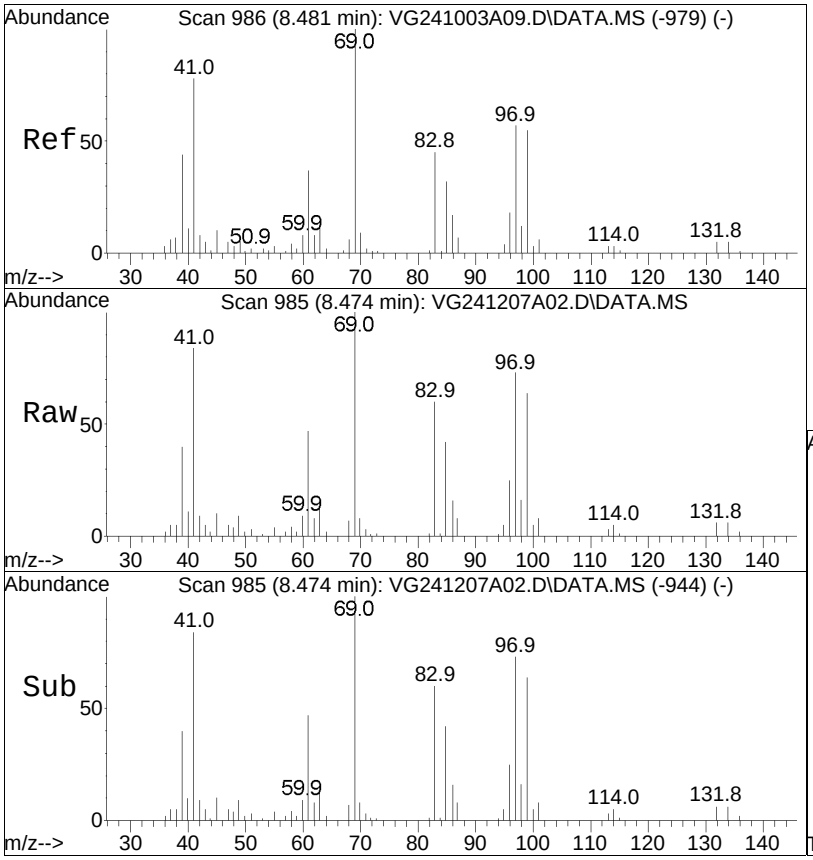


#65
trans-1,3-Dichloropropene
Concen: 8.43 ug/L
RT: 8.295 min Scan# 960
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 75 Resp: 124080

Ion	Ratio	Lower	Upper
75	100		
77	31.7	11.3	51.3
39	58.4	36.0	76.0

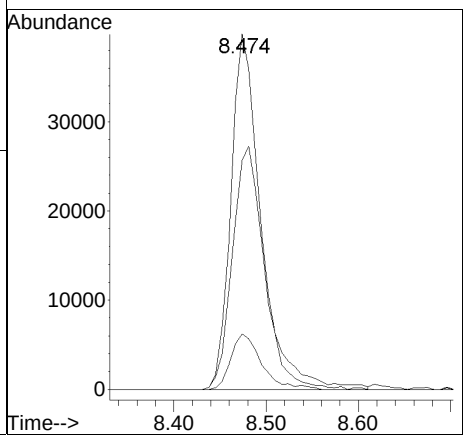


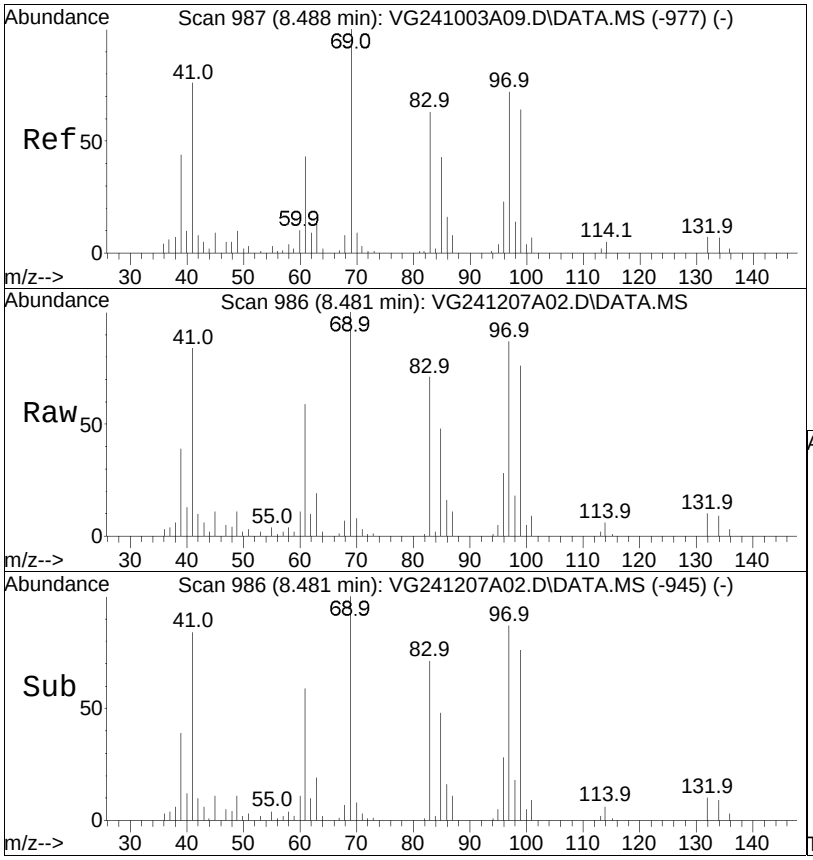


#67
Ethyl methacrylate
Concen: 7.00 ug/L
RT: 8.474 min Scan# 985
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 69 Resp: 91433

Ion	Ratio	Lower	Upper
69	100		
99	71.6	46.5	86.5
86	15.7	0.0	36.9

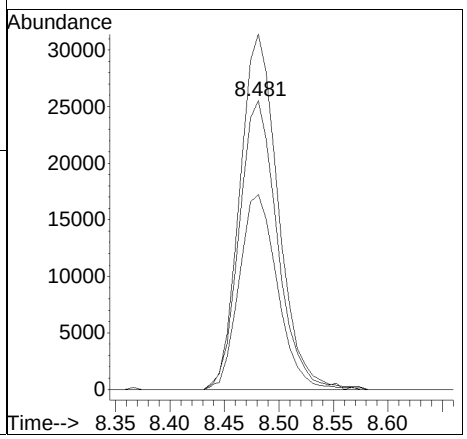


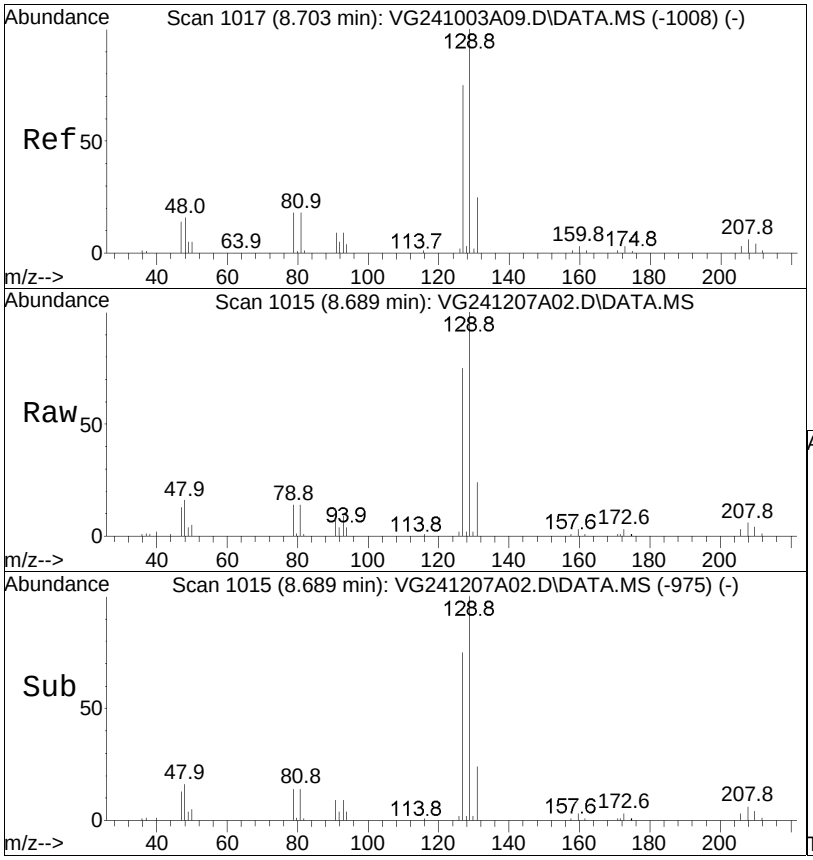


#68
1,1,2-Trichloroethane
Concen: 8.07 ug/L
RT: 8.481 min Scan# 986
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 83 Resp: 62024

Ion	Ratio	Lower	Upper
83	100		
97	124.1	101.0	141.0
85	68.2	47.9	87.9

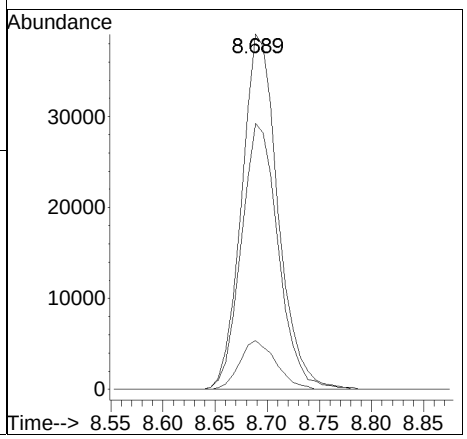


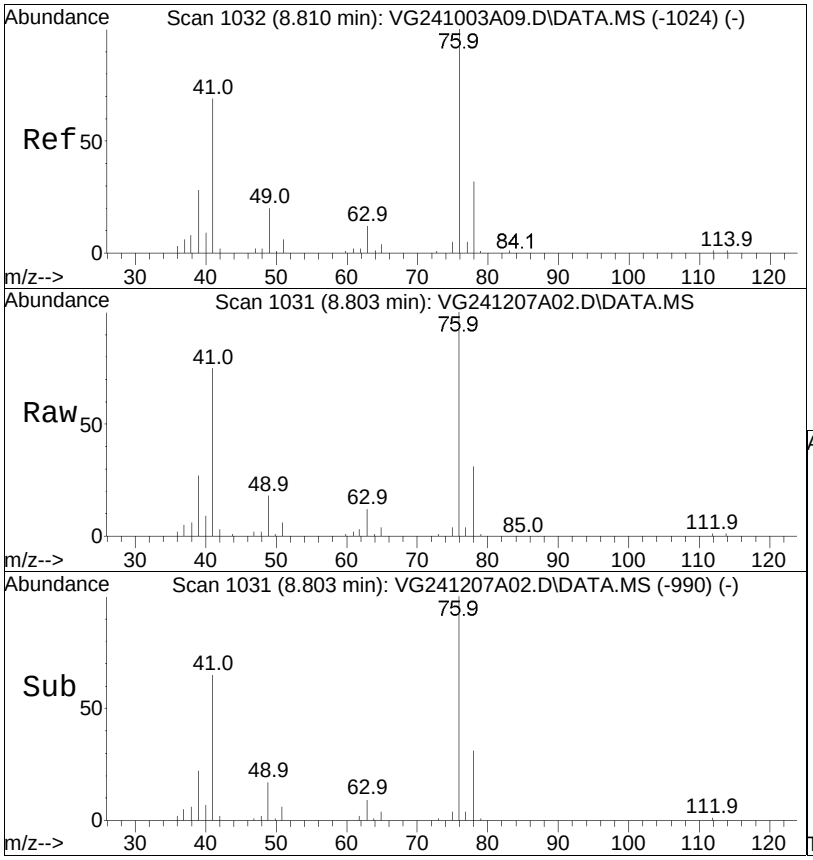


#69
Chlorodibromomethane
Concen: 8.92 ug/L
RT: 8.689 min Scan# 1015
Delta R.T. -0.014 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:129 Resp: 94792

Ion	Ratio	Lower	Upper
129	100		
81	13.7	0.0	35.0
127	76.2	57.1	97.1

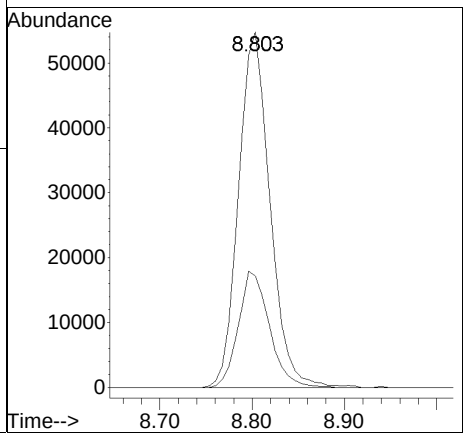


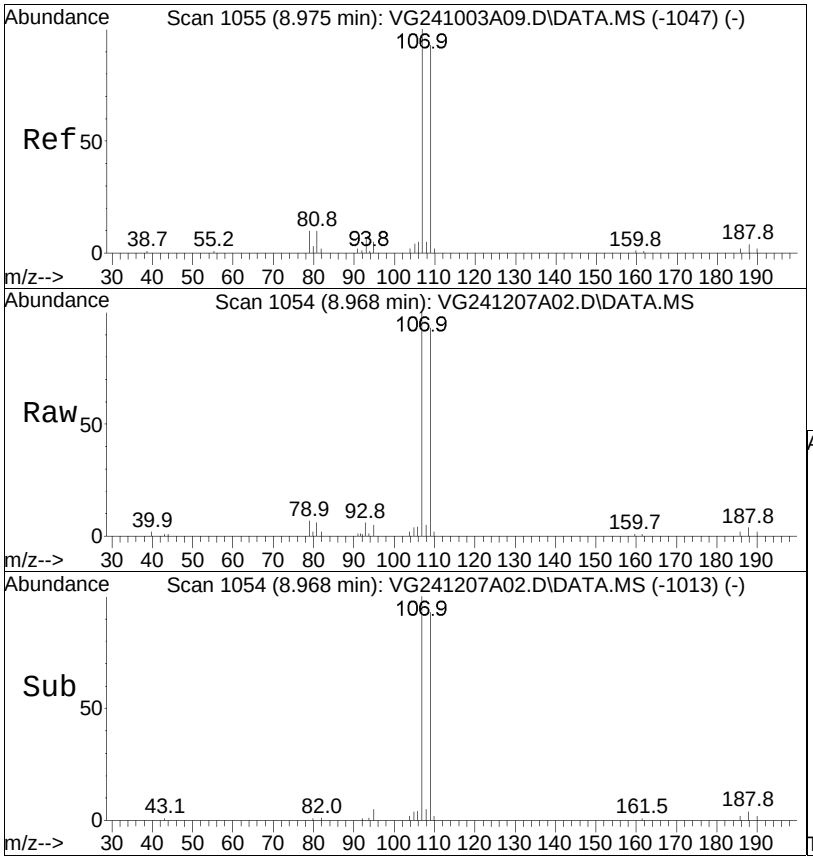


#70
1,3-Dichloropropane
Concen: 8.48 ug/L
RT: 8.803 min Scan# 1031
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 76 Resp: 129428

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.4	38.2

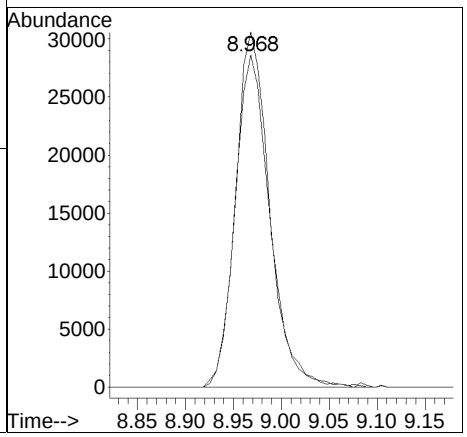


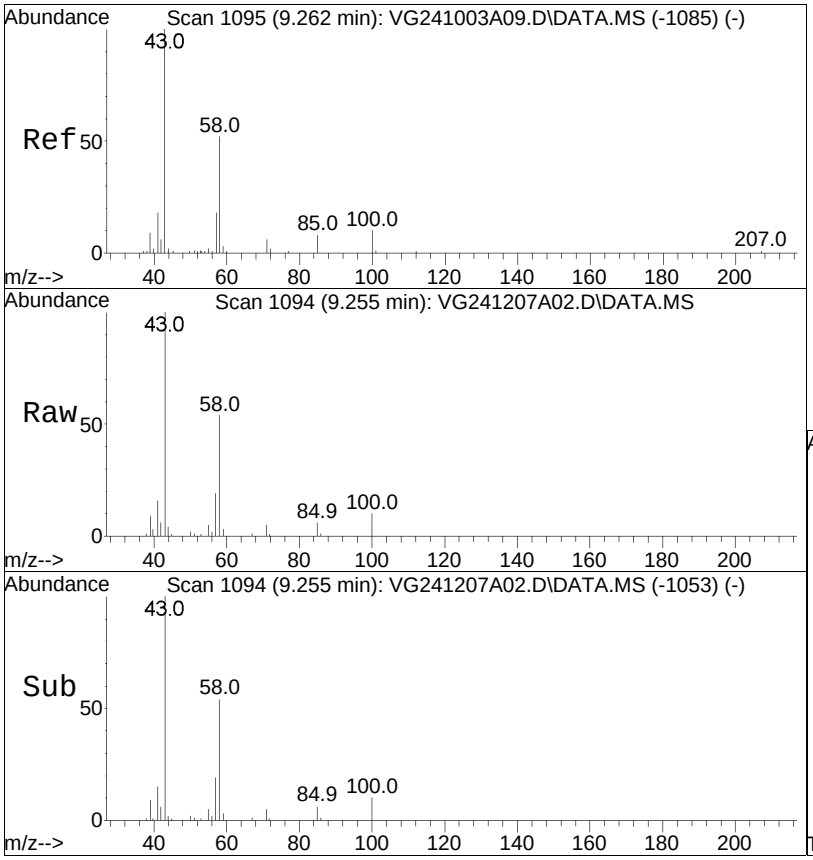


#71
1,2-Dibromoethane
Concen: 8.37 ug/L
RT: 8.968 min Scan# 1054
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:107 Resp: 76070

Ion	Ratio	Lower	Upper
107	100		
109	94.6	76.0	114.0

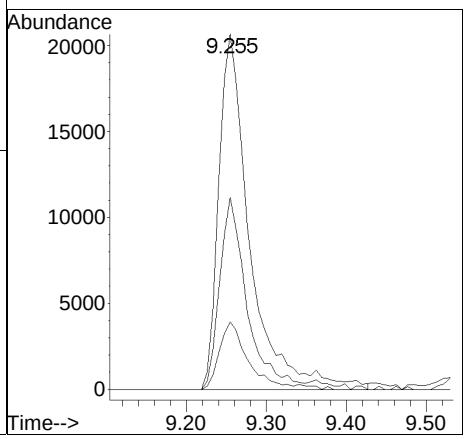


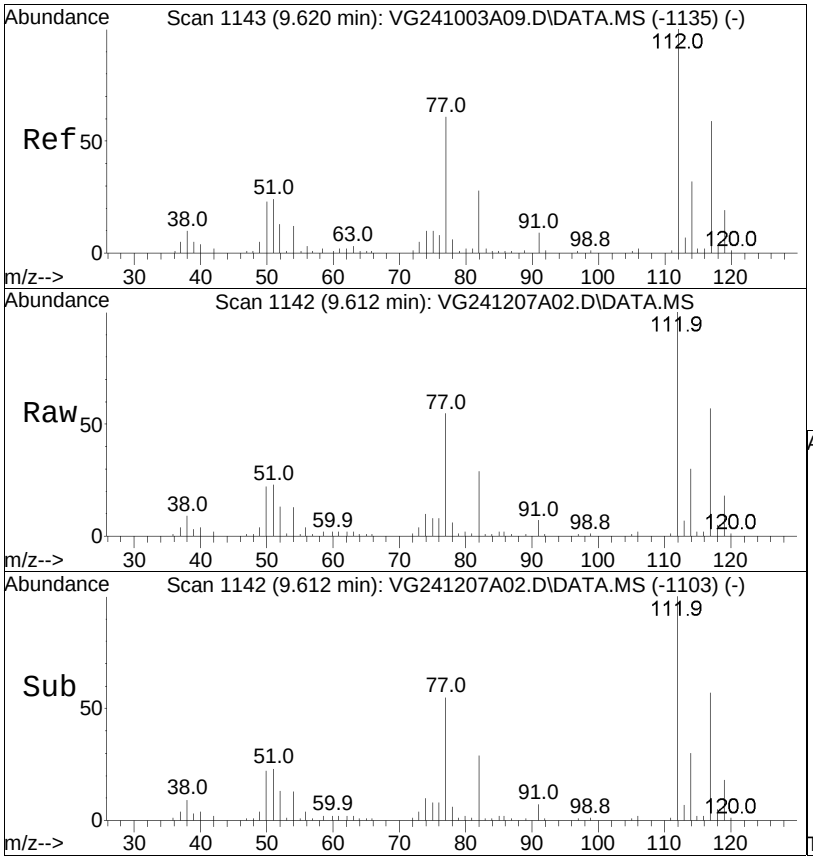


#72
2-Hexanone
Concen: 8.85 ug/L
RT: 9.255 min Scan# 1094
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 43 Resp: 55993

Ion	Ratio	Lower	Upper
43	100		
58	47.4	43.8	65.6
57	17.3	15.2	22.8

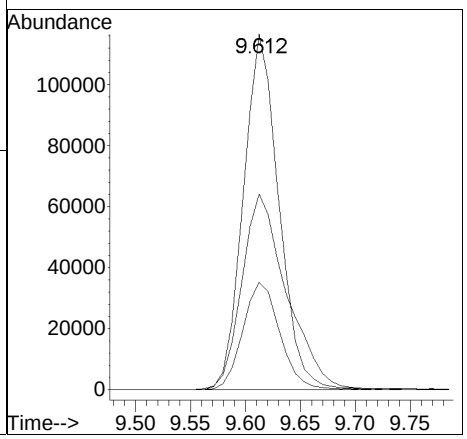


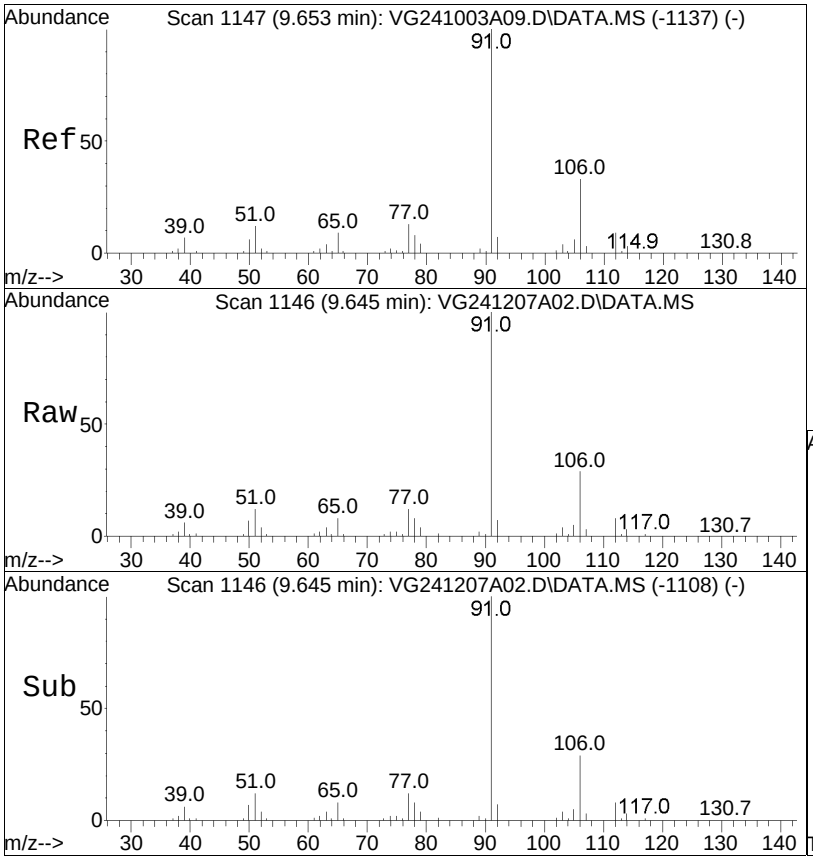


#73
Chlorobenzene
Concen: 9.61 ug/L
RT: 9.612 min Scan# 1142
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:112 Resp: 260823

Ion	Ratio	Lower	Upper
112	100		
77	69.5	55.9	83.9
114	31.4	25.4	38.0

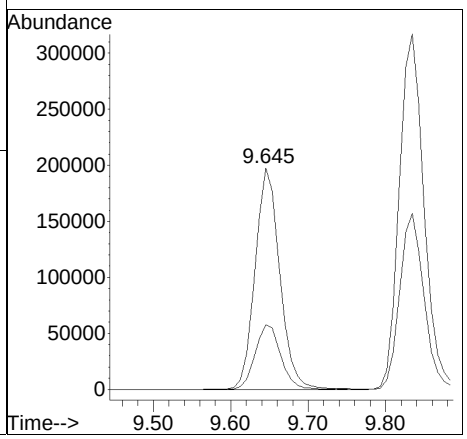


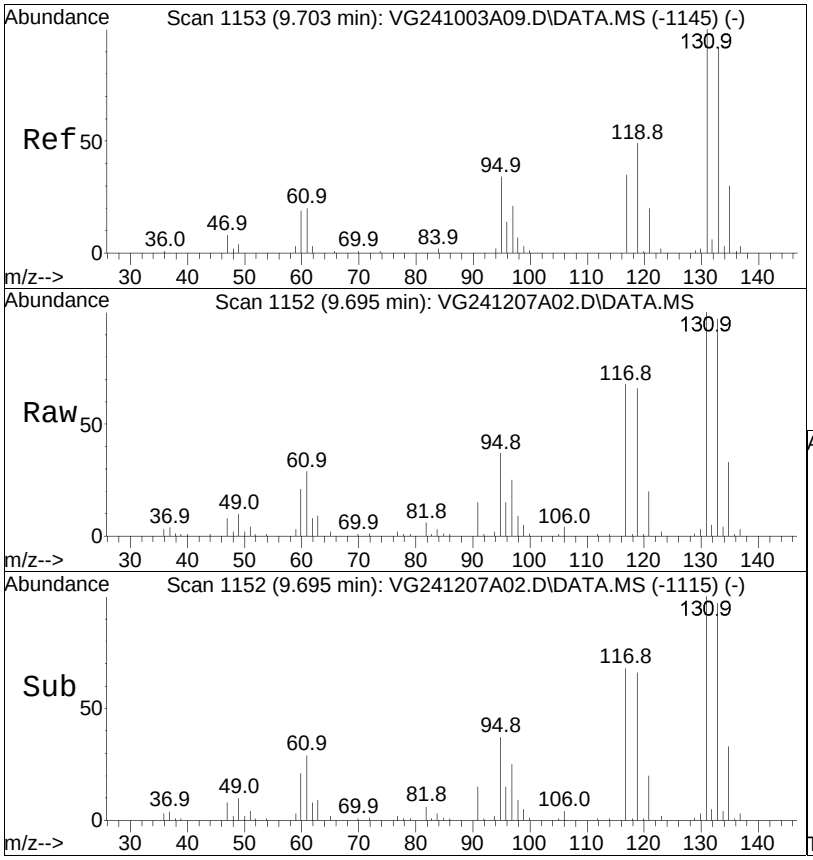


#74
Ethylbenzene
Concen: 9.04 ug/L
RT: 9.645 min Scan# 1146
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 91 Resp: 438830

Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.3	37.9

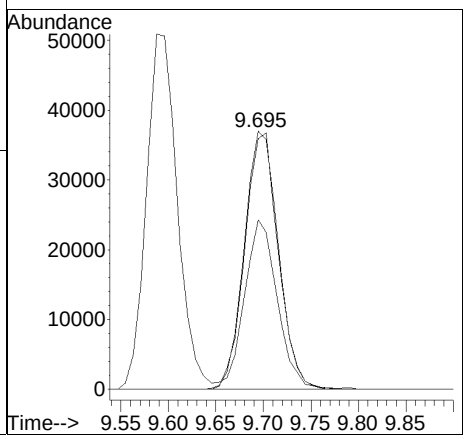


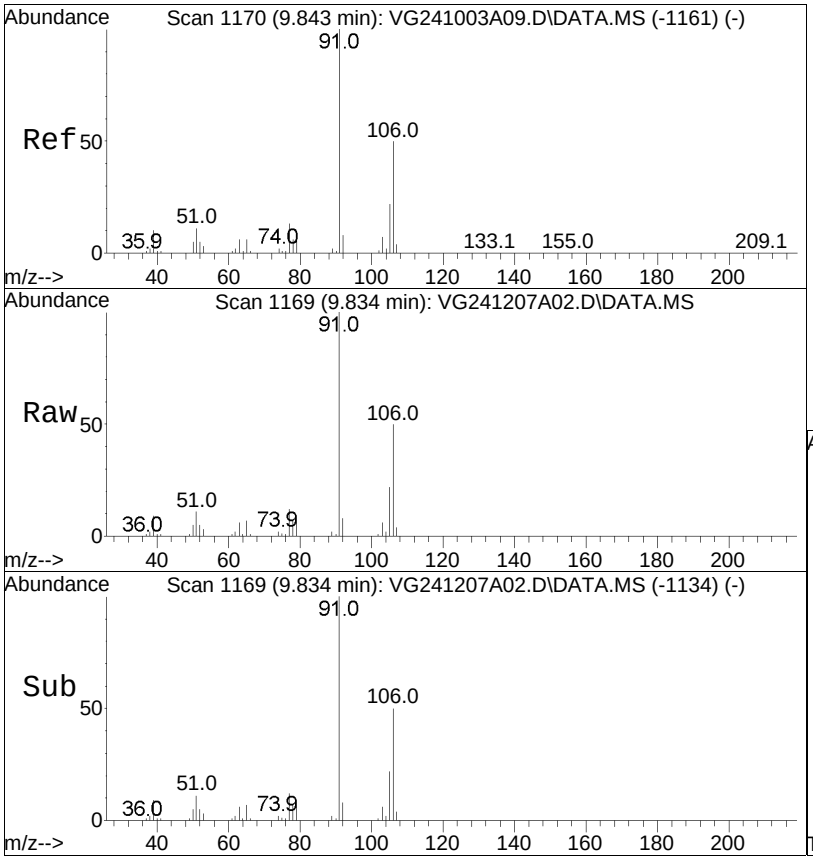


#75
1,1,1,2-Tetrachloroethane
Concen: 8.91 ug/L
RT: 9.695 min Scan# 1152
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:131 Resp: 92748

Ion	Ratio	Lower	Upper
131	100		
133	97.5	77.3	117.3
119	62.9	42.7	82.7

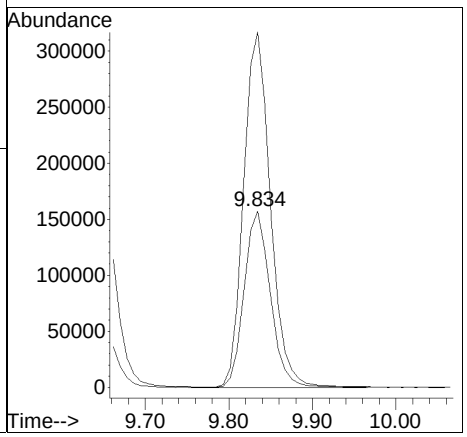


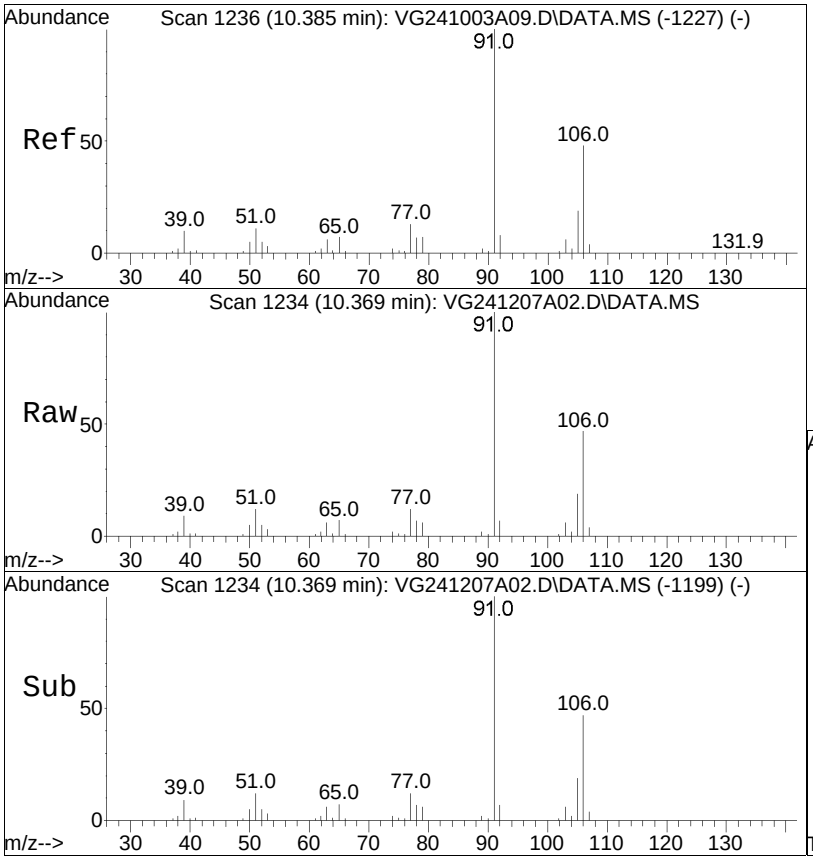


#76
p/m Xylene
Concen: 18.56 ug/L
RT: 9.834 min Scan# 1169
Delta R.T. -0.009 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:106 Resp: 342824

Ion	Ratio	Lower	Upper
106	100		
91	205.6	157.1	235.7

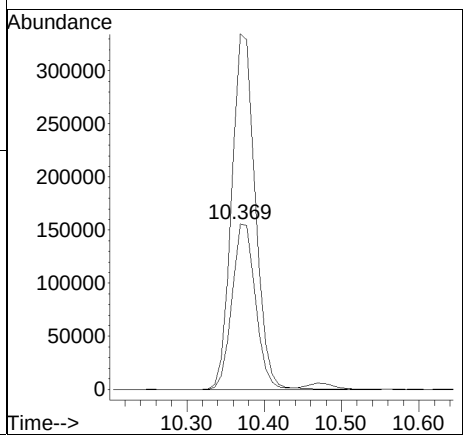


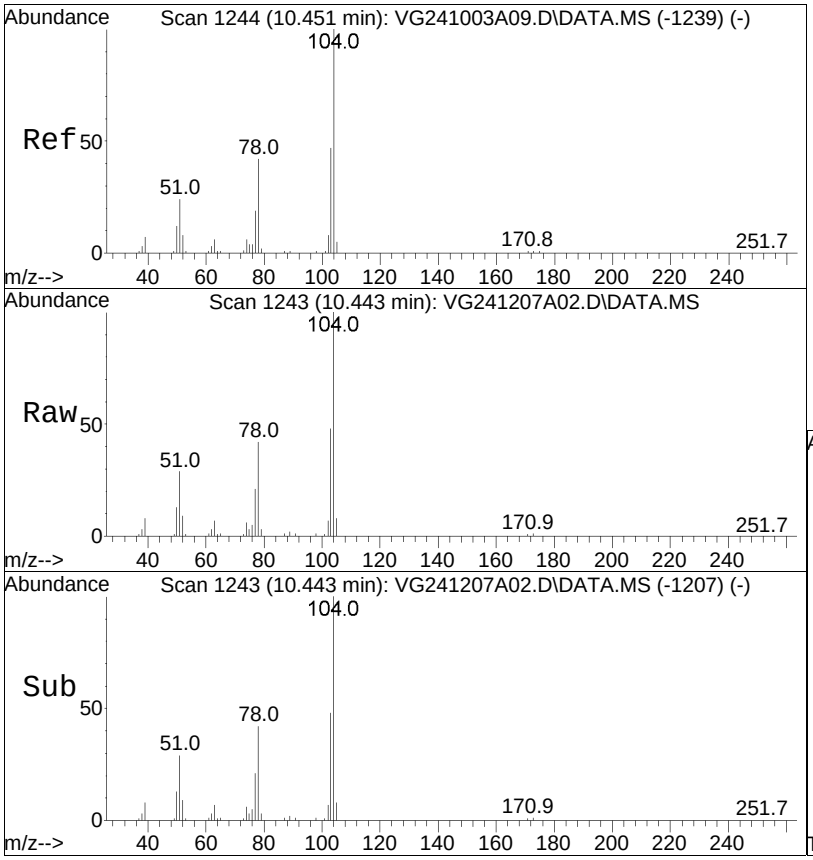


#77
o Xylene
Concen: 18.45 ug/L
RT: 10.369 min Scan# 1234
Delta R.T. -0.016 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:106 Resp: 330027

Ion	Ratio	Lower	Upper
106	100		
91	213.8	164.7	247.1

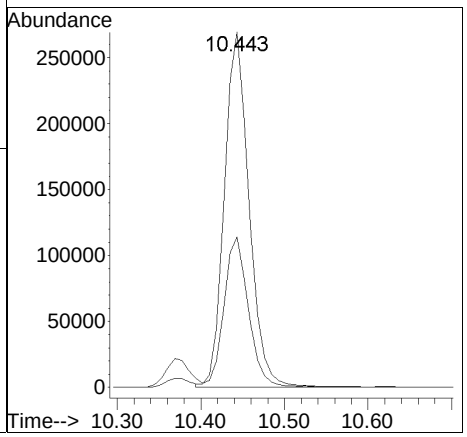


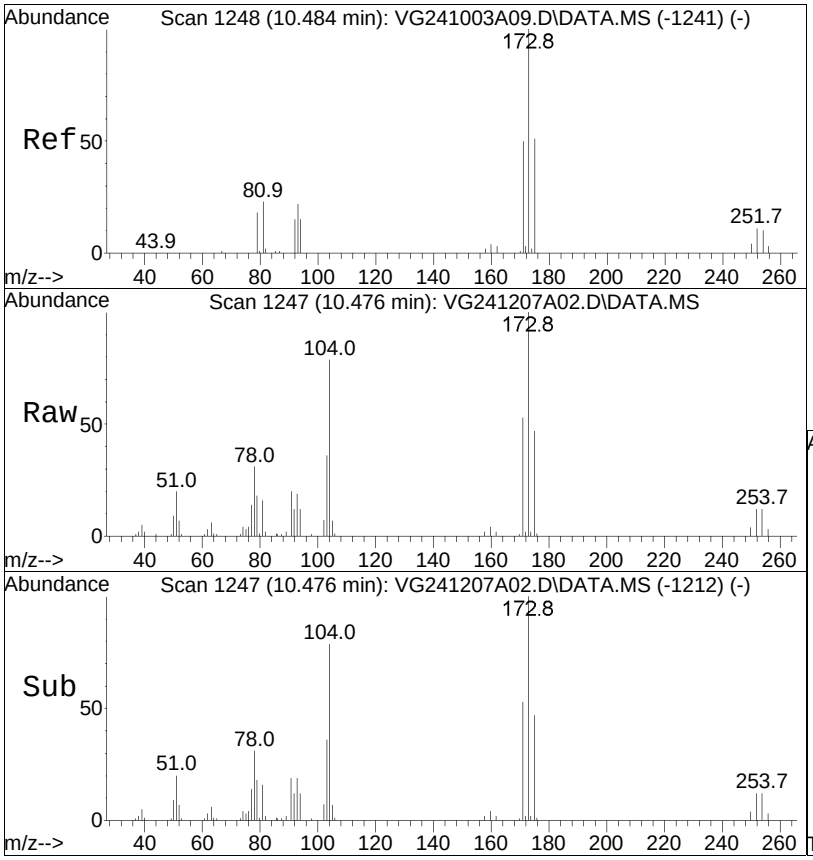


#78
Styrene
Concen: 18.12 ug/L
RT: 10.443 min Scan# 1243
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:104 Resp: 551562

Ion	Ratio	Lower	Upper
104	100		
78	42.3	32.2	48.4

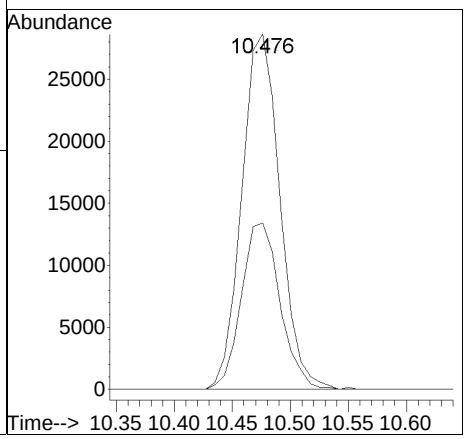


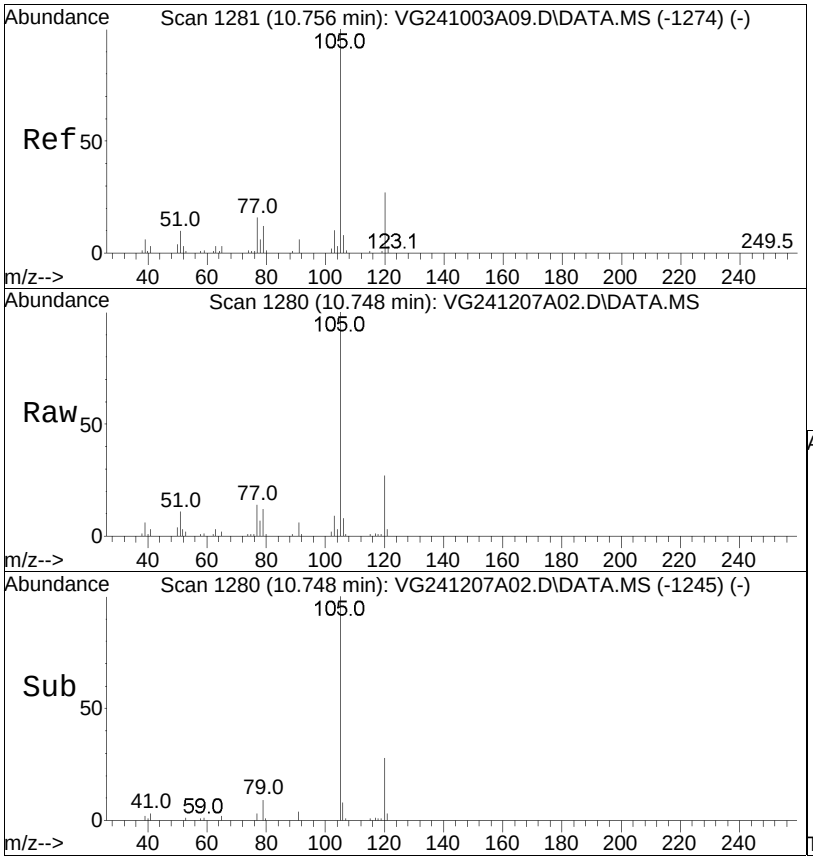


#80
Bromoform
Concen: 8.59 ug/L
RT: 10.476 min Scan# 1247
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:173 Resp: 65436

Ion	Ratio	Lower	Upper
173	100		
175	47.6	28.0	68.0

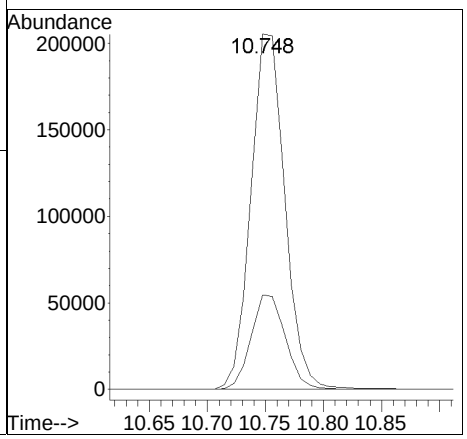


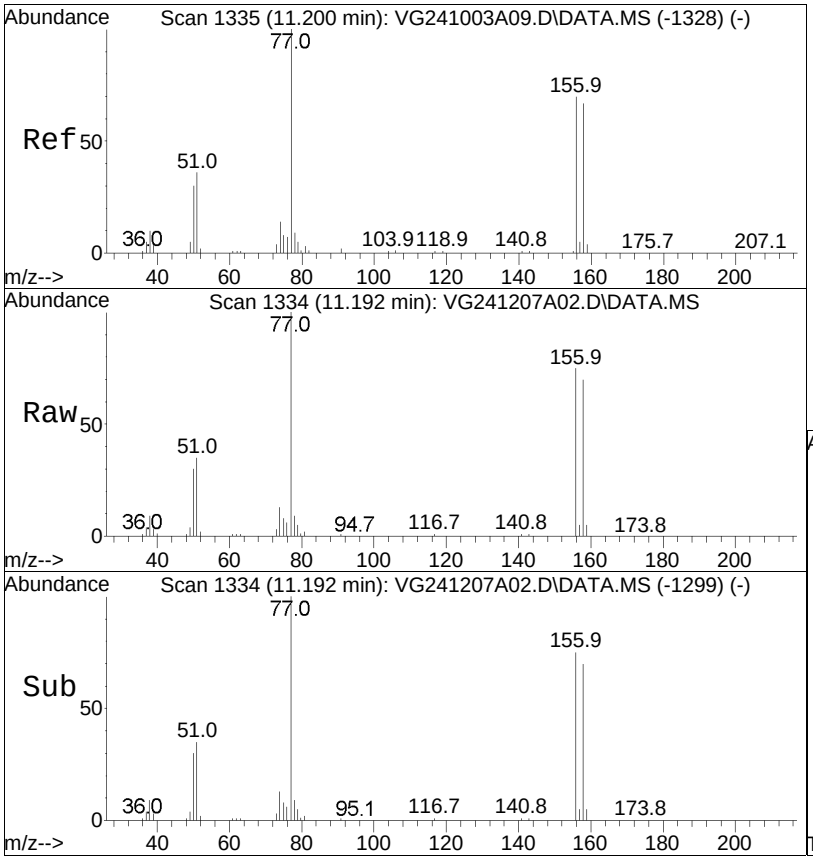


#82
Isopropylbenzene
Concen: 8.94 ug/L
RT: 10.748 min Scan# 1280
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:105 Resp: 418695

Ion	Ratio	Lower	Upper
105	100		
120	27.0	7.0	47.0

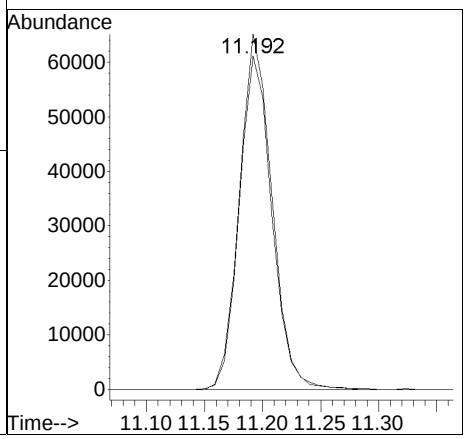


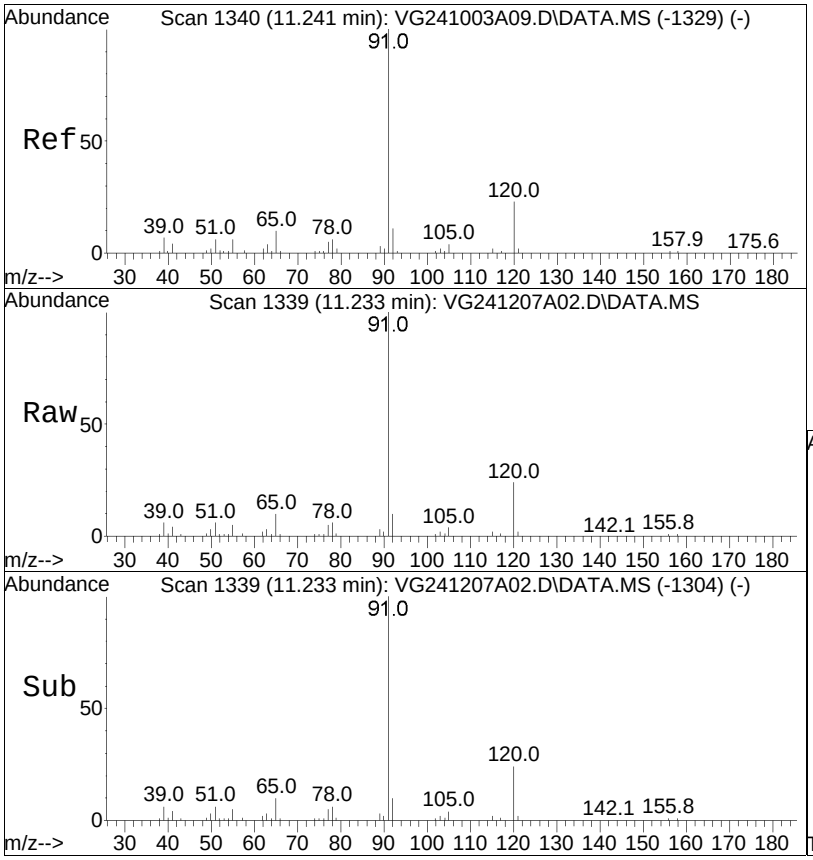


#84
Bromobenzene
Concen: 9.99 ug/L
RT: 11.192 min Scan# 1334
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:156 Resp: 126692

Ion	Ratio	Lower	Upper
156	100		
158	94.2	76.9	115.3

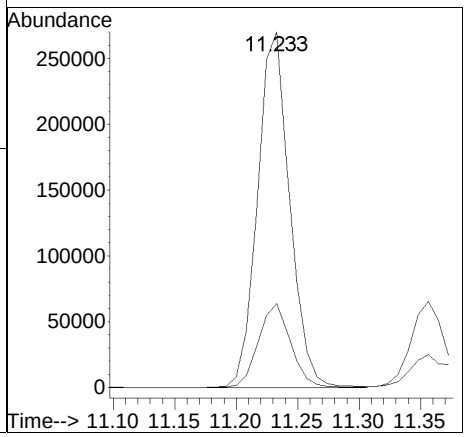


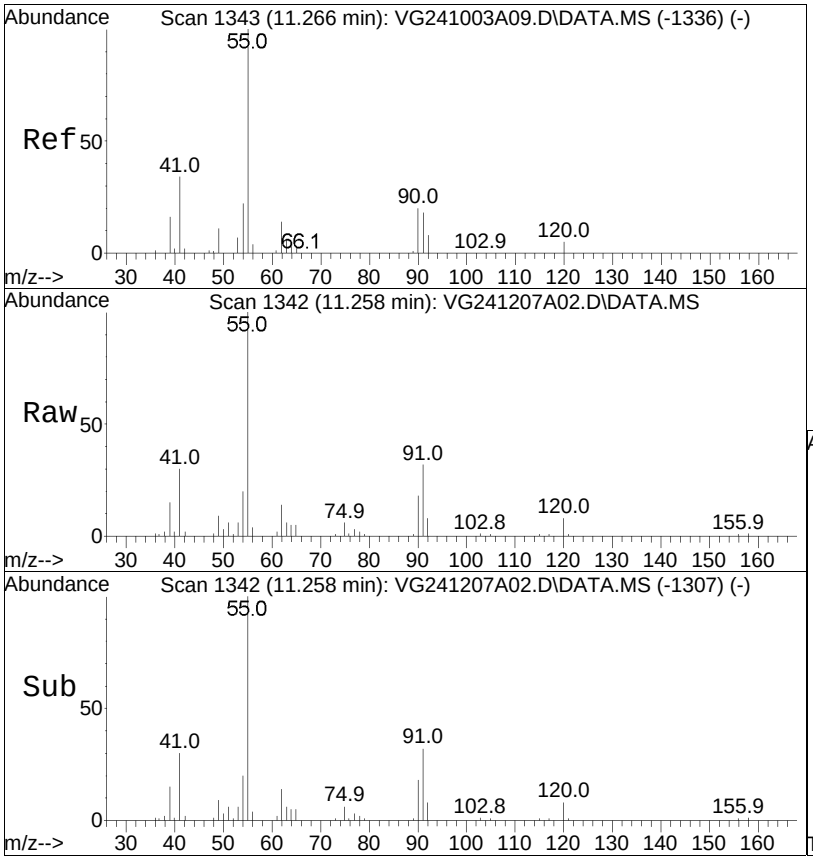


#85
n-Propylbenzene
Concen: 8.99 ug/L
RT: 11.233 min Scan# 1339
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 91 Resp: 490382

Ion	Ratio	Lower	Upper
91	100		
120	23.5	19.0	28.6

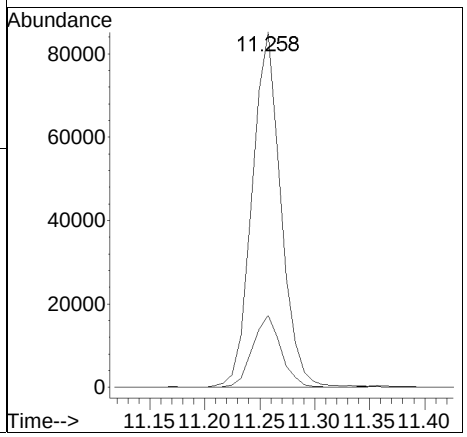


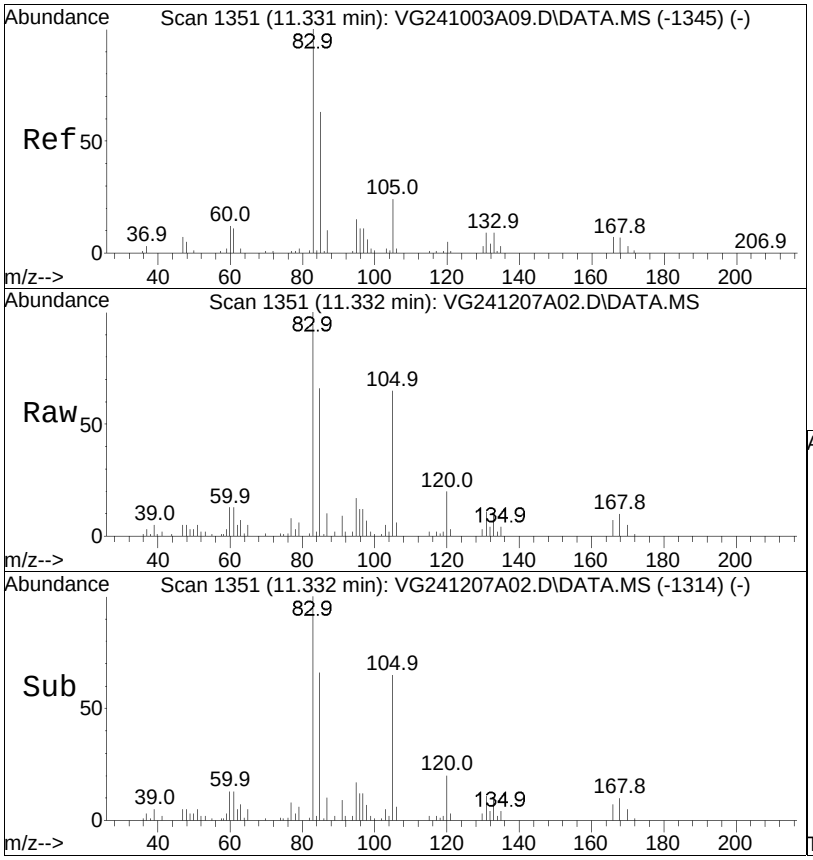


#86
1,4-Dichlorobutane
Concen: 8.46 ug/L
RT: 11.258 min Scan# 1342
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 55 Resp: 155974

Ion	Ratio	Lower	Upper
55	100		
54	19.9	17.5	26.3

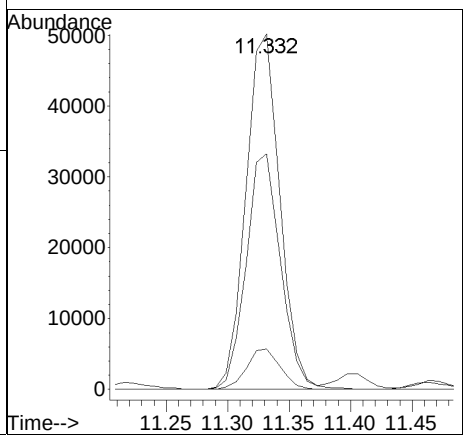


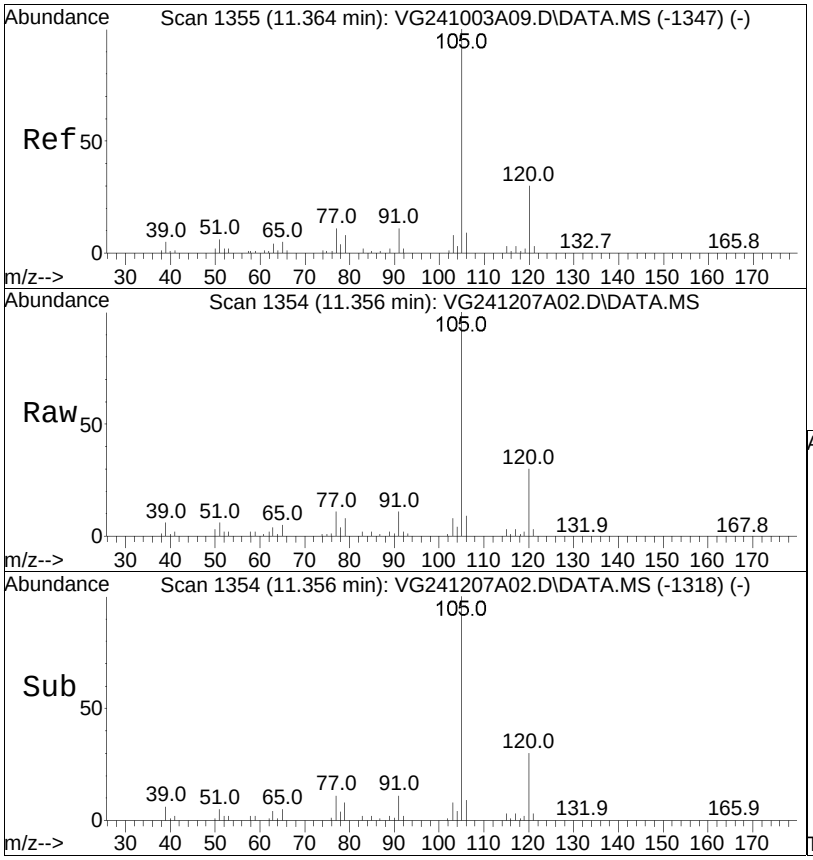


#87
1,1,2,2-Tetrachloroethane
Concen: 8.16 ug/L
RT: 11.332 min Scan# 1351
Delta R.T. 0.001 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 83 Resp: 96722

Ion	Ratio	Lower	Upper
83	100		
131	11.3	0.0	31.0
85	66.8	43.9	83.9

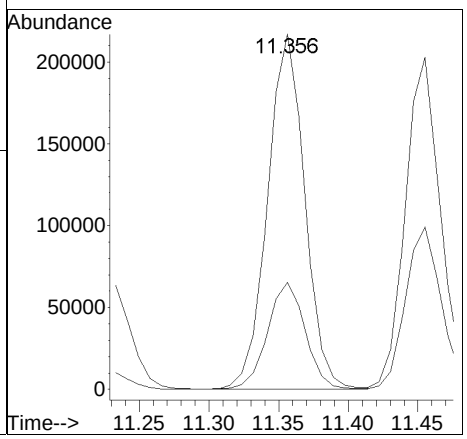


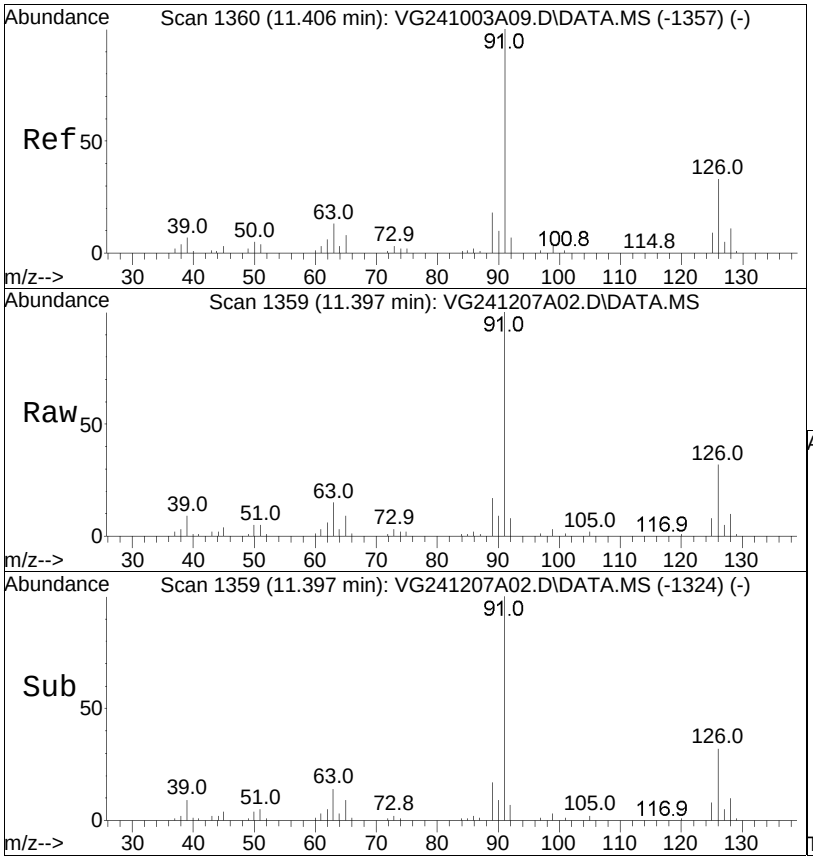


#88
4-Ethyltoluene
Concen: 9.02 ug/L
RT: 11.356 min Scan# 1354
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:105 Resp: 403132

Ion	Ratio	Lower	Upper
105	100		
120	30.5	19.9	41.3

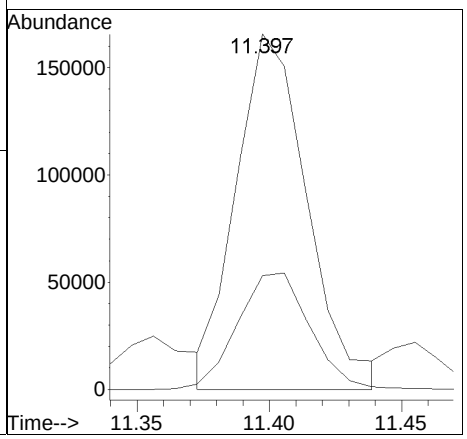


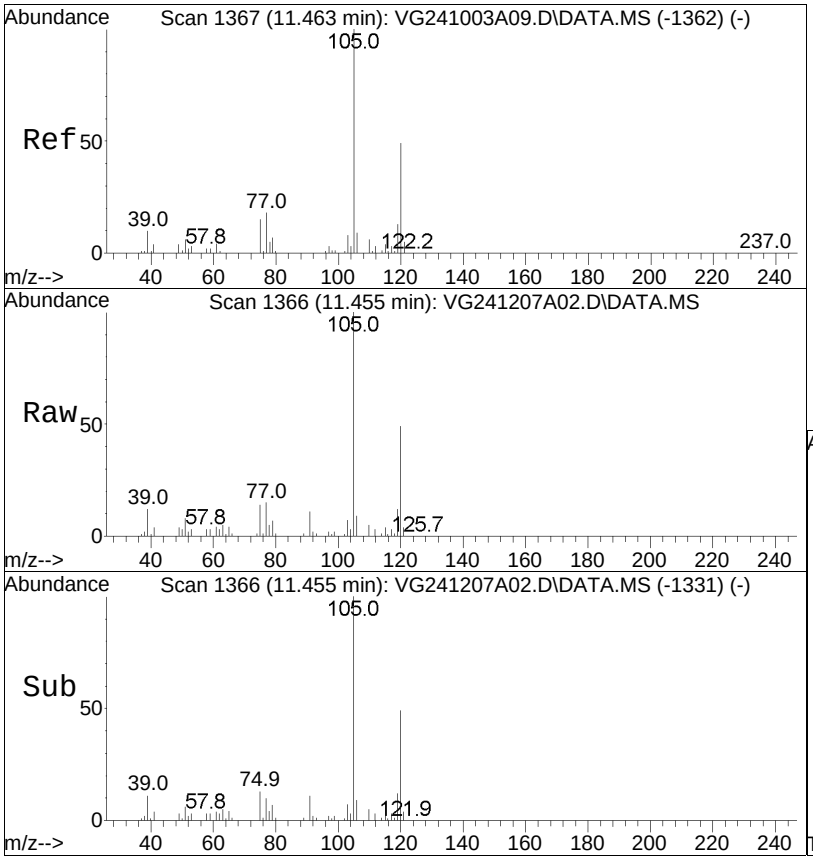


#89
2-Chlorotoluene
Concen: 9.27 ug/L M6
RT: 11.397 min Scan# 1359
Delta R.T. -0.009 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 91 Resp: 308403

Ion	Ratio	Lower	Upper
91	100		
126	33.6	27.4	41.2

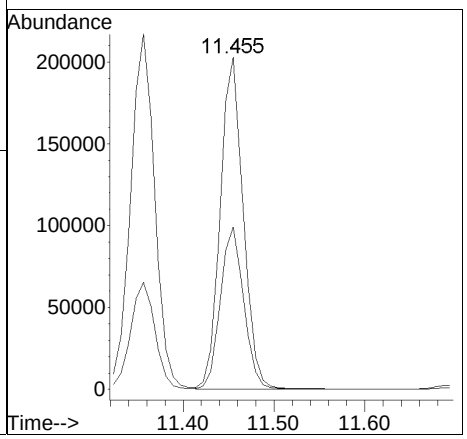


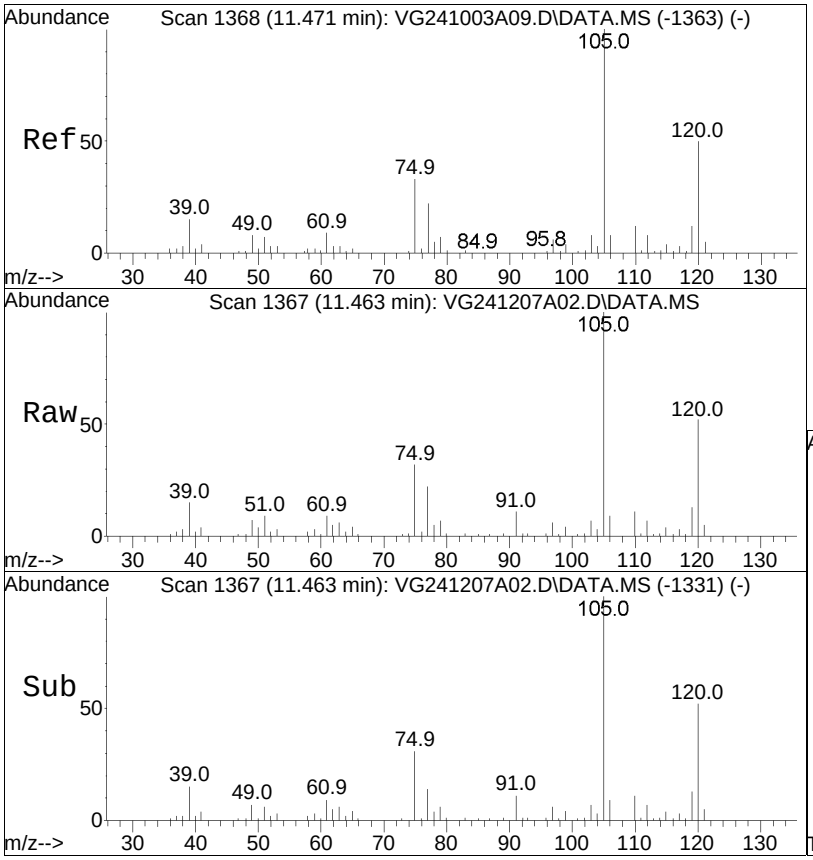


#90
1,3,5-Trimethylbenzene
Concen: 9.04 ug/L
RT: 11.455 min Scan# 1366
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:105 Resp: 357470

Ion	Ratio	Lower	Upper
105	100		
120	49.8	40.3	60.5

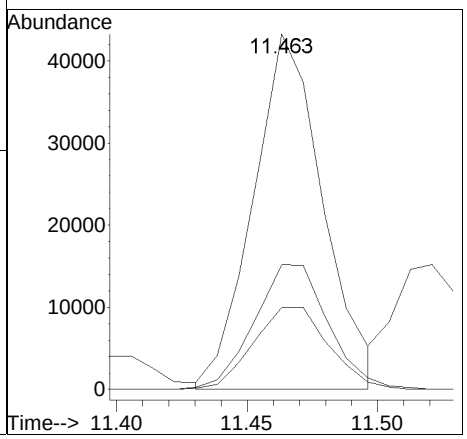


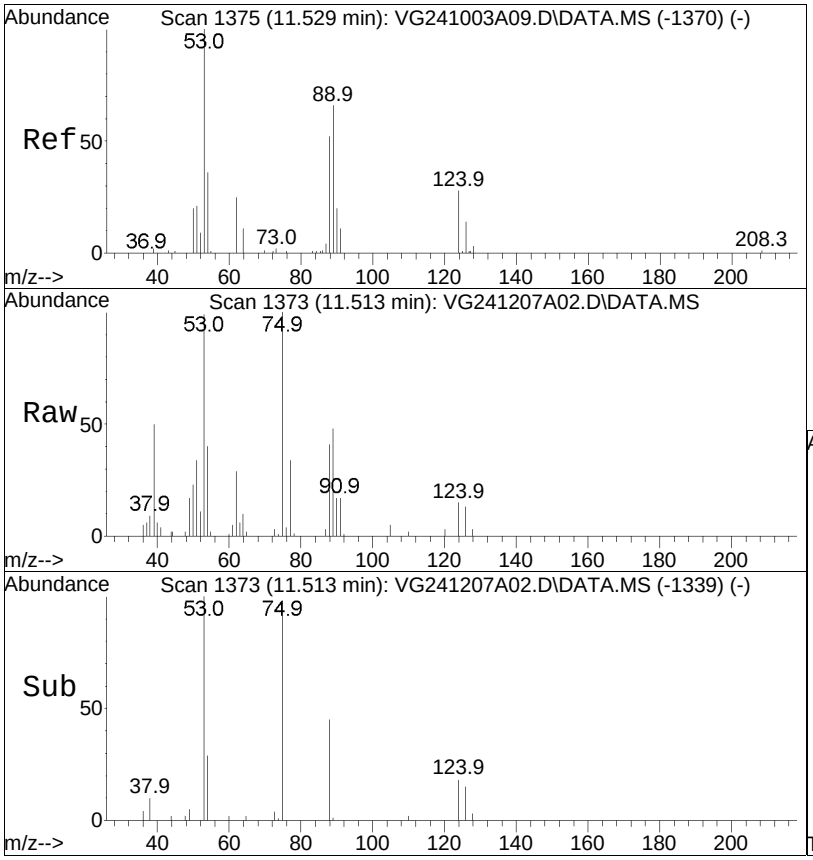


#91
1,2,3-Trichloropropane
Concen: 8.31 ug/L
RT: 11.463 min Scan# 1367
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 75 Resp: 80507

Ion	Ratio	Lower	Upper
75	100		
110	37.3	23.5	48.9
112	25.1	15.9	32.9

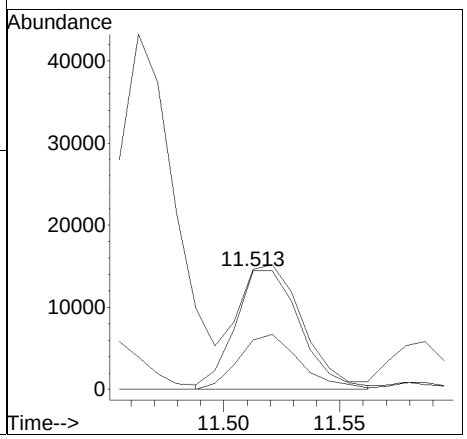


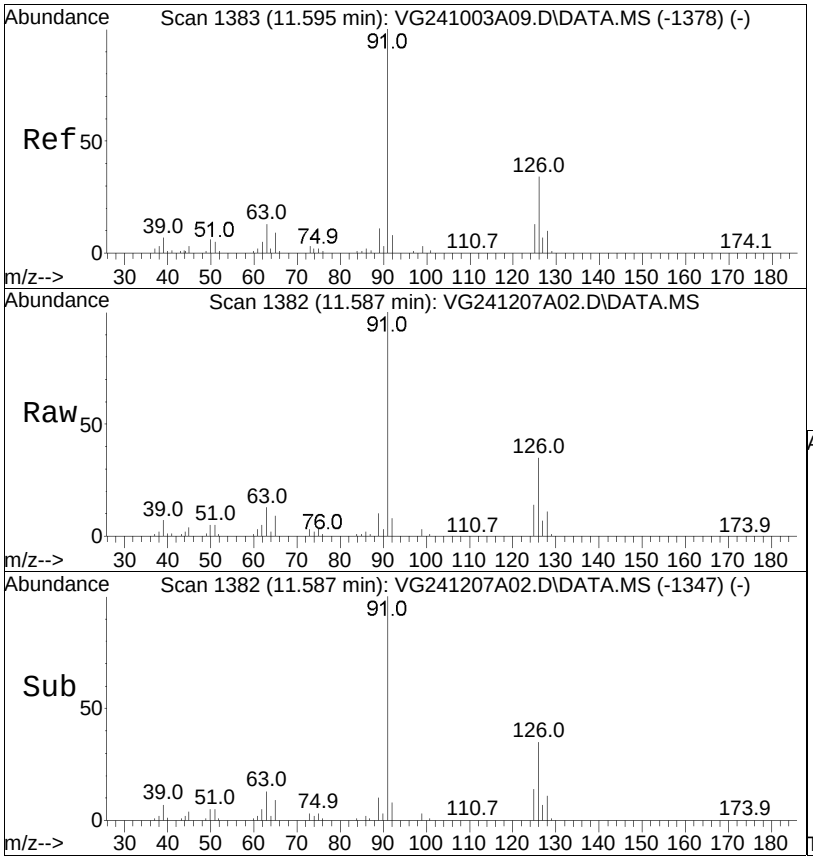


#92
trans-1,4-Dichloro-2-butene
Concen: 7.23 ug/L
RT: 11.513 min Scan# 1373
Delta R.T. -0.016 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 53 Resp: 28241

Ion	Ratio	Lower	Upper
53	100		
88	43.5	41.6	62.4
75	103.6	0.0	0.0#

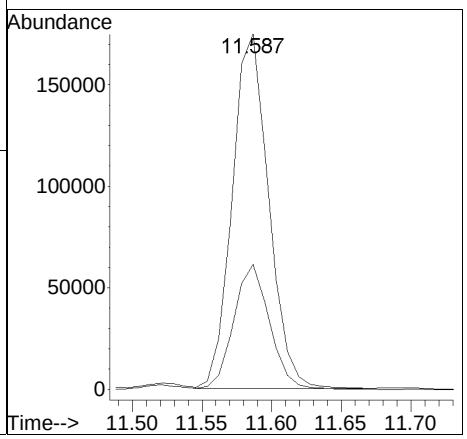


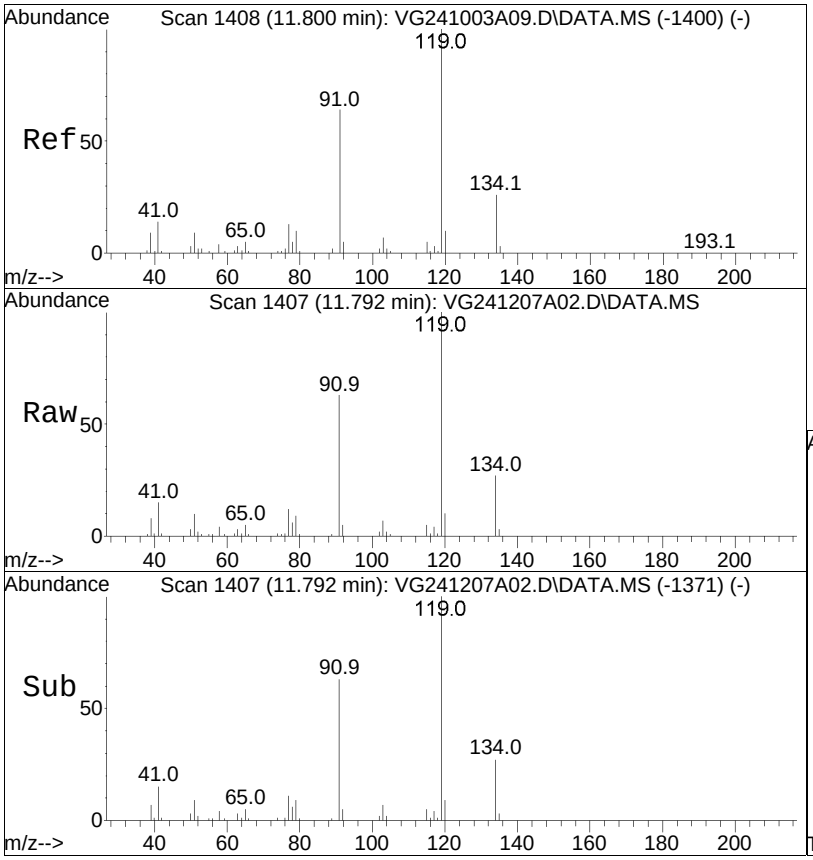


#93
4-Chlorotoluene
Concen: 9.07 ug/L
RT: 11.587 min Scan# 1382
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 91 Resp: 317654

Ion	Ratio	Lower	Upper
91	100		
126	34.8	28.2	42.4

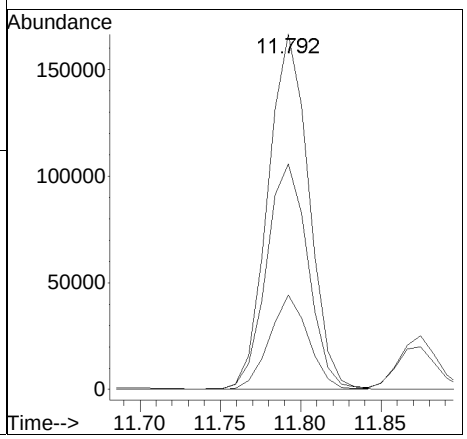


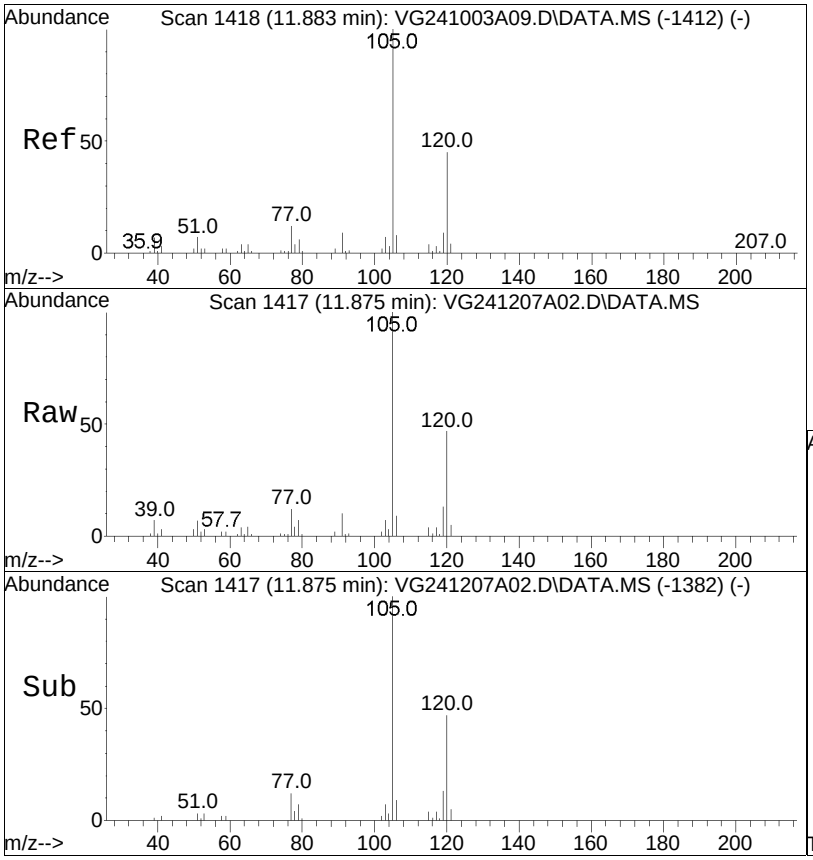


#94
tert-Butylbenzene
Concen: 9.46 ug/L
RT: 11.792 min Scan# 1407
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:119 Resp: 295278

Ion	Ratio	Lower	Upper
119	100		
91	64.5	50.8	76.2
134	25.2	20.2	30.4

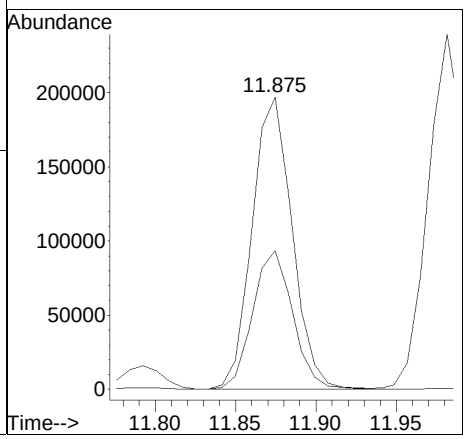


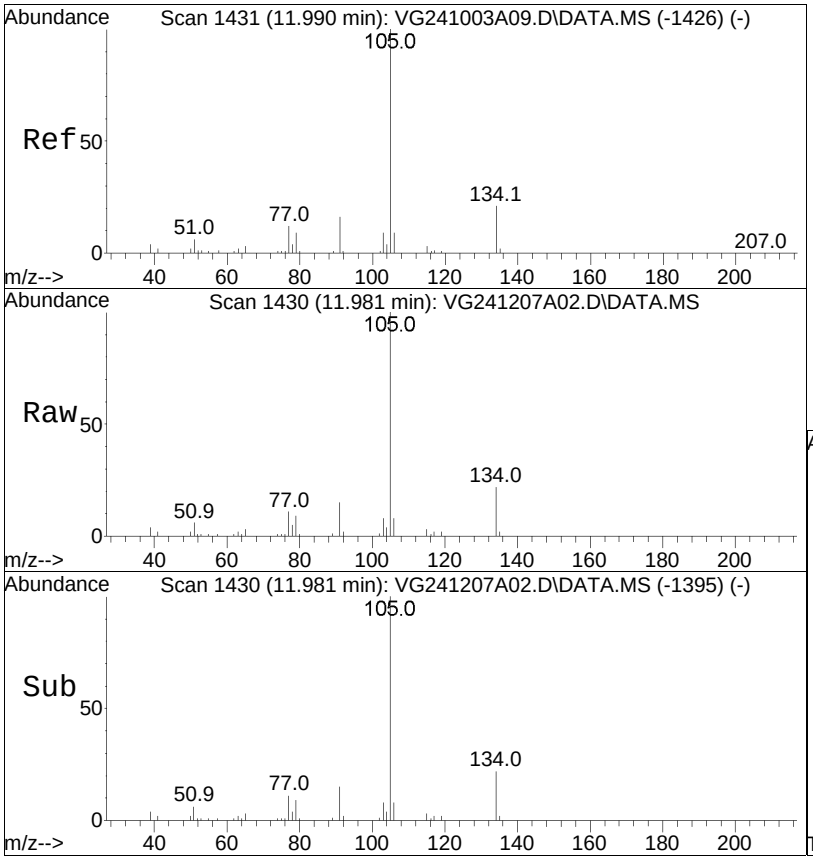


#97
1,2,4-Trimethylbenzene
Concen: 8.86 ug/L
RT: 11.875 min Scan# 1417
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:105 Resp: 341962

Ion	Ratio	Lower	Upper
105	100		
120	47.3	37.8	56.6

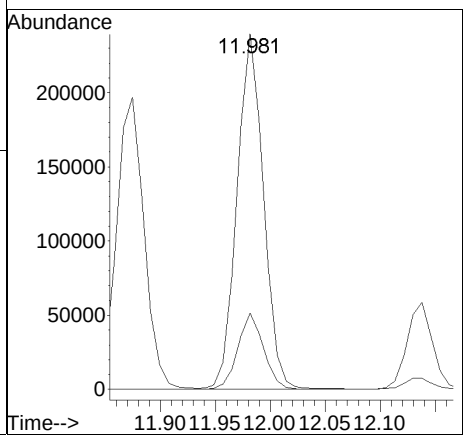


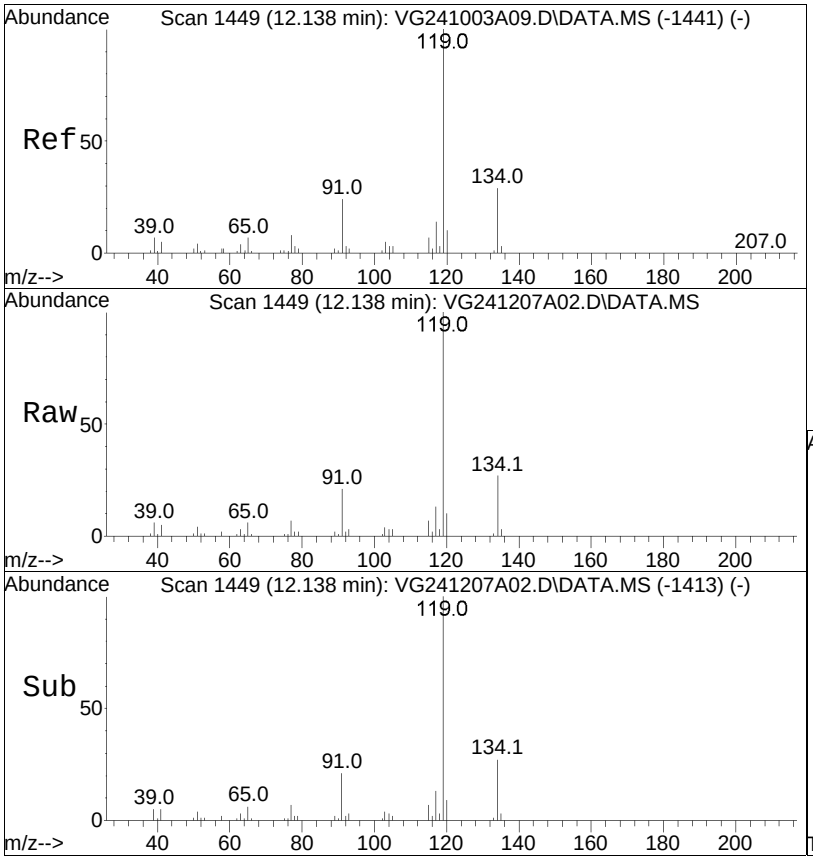


#98
sec-Butylbenzene
Concen: 8.94 ug/L
RT: 11.981 min Scan# 1430
Delta R.T. -0.009 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:105 Resp: 402071

Ion	Ratio	Lower	Upper
105	100		
134	20.8	13.3	27.7

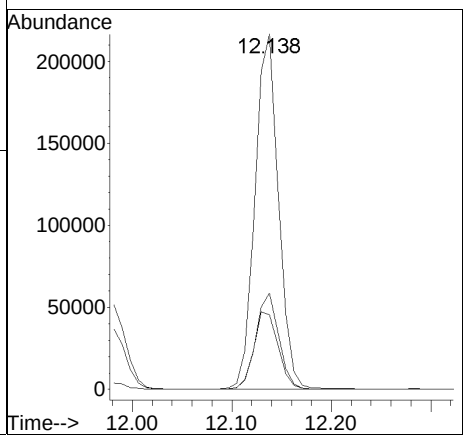


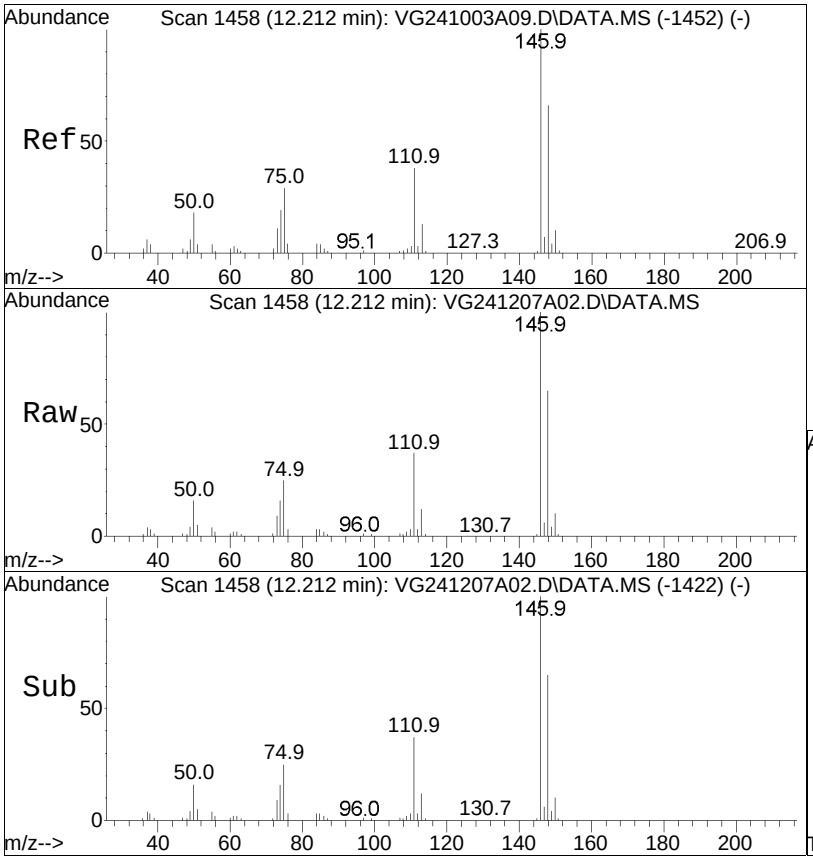


#99
p-Isopropyltoluene
Concen: 9.36 ug/L
RT: 12.138 min Scan# 1449
Delta R.T. -0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:119 Resp: 357321

Ion	Ratio	Lower	Upper
119	100		
134	26.5	17.5	36.3
91	22.9	14.6	30.4

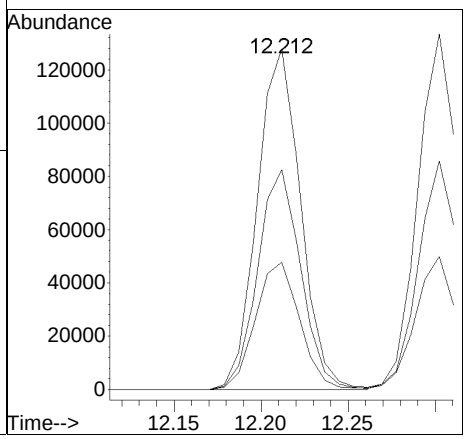


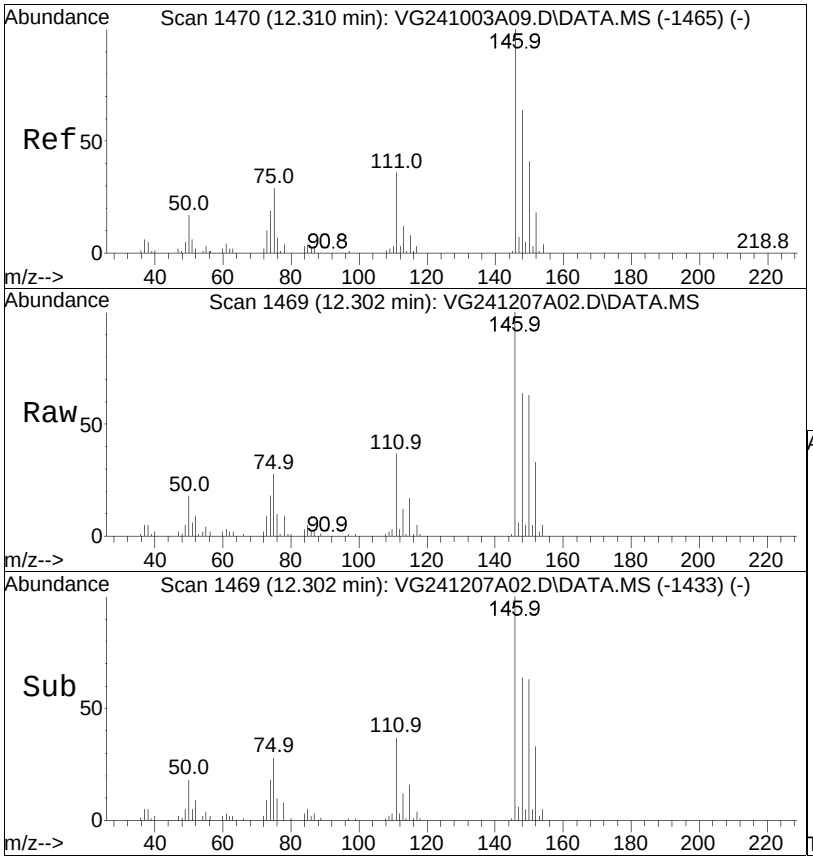


#100
1,3-Dichlorobenzene
Concen: 9.56 ug/L
RT: 12.212 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:146 Resp: 220783

Ion	Ratio	Lower	Upper
146	100		
111	38.1	24.4	50.6
148	64.2	41.0	85.2

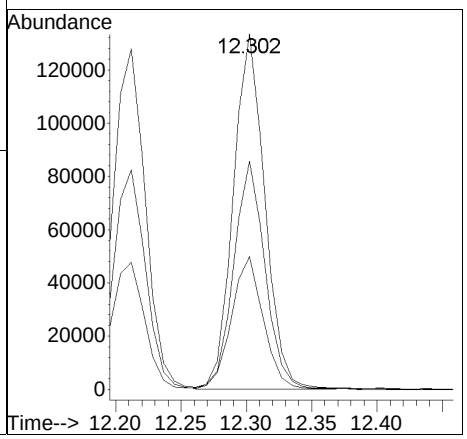


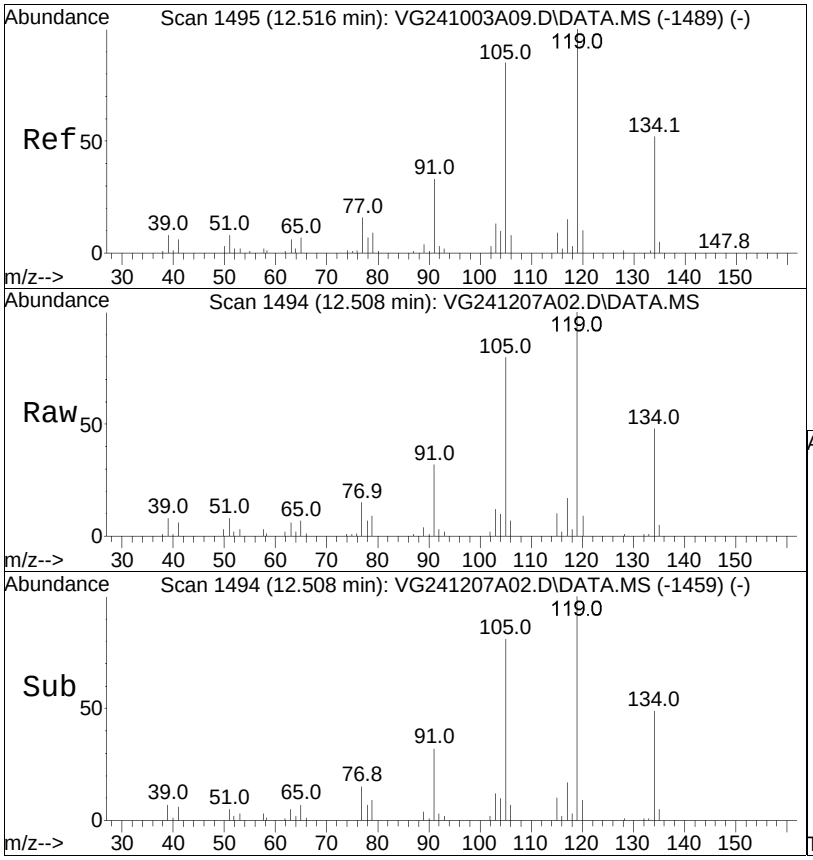


#101
1,4-Dichlorobenzene
Concen: 9.32 ug/L
RT: 12.302 min Scan# 1469
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:146 Resp: 223563

Ion	Ratio	Lower	Upper
146	100		
111	38.2	29.3	43.9
148	63.8	51.2	76.8

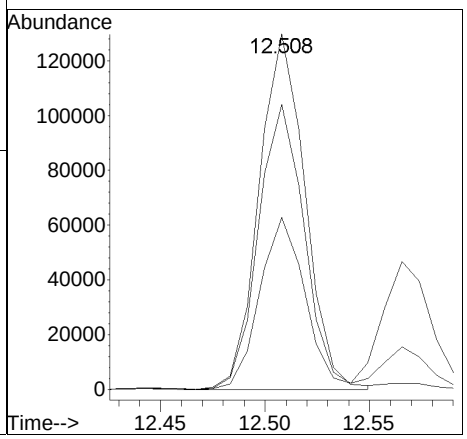


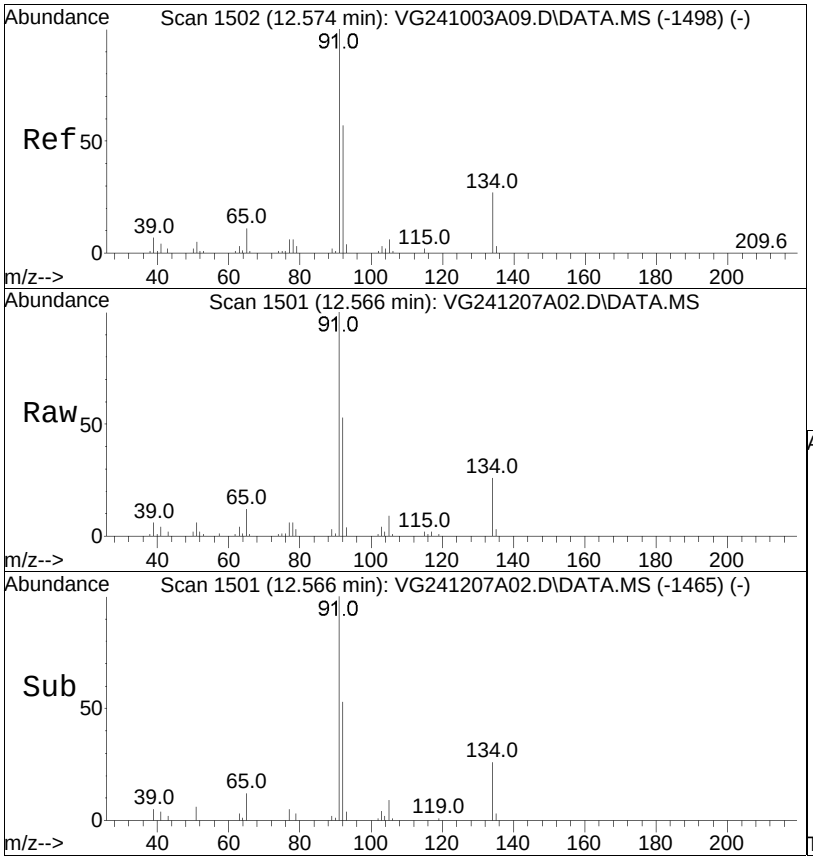


#102
p-Diethylbenzene
Concen: 9.27 ug/L
RT: 12.508 min Scan# 1494
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:119 Resp: 198485

Ion	Ratio	Lower	Upper
119	100		
105	79.9	53.9	112.1
134	47.8	32.0	66.6

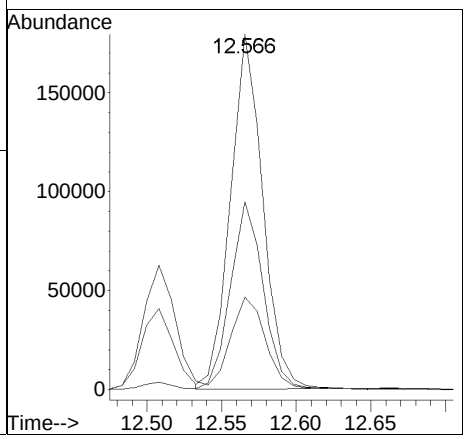


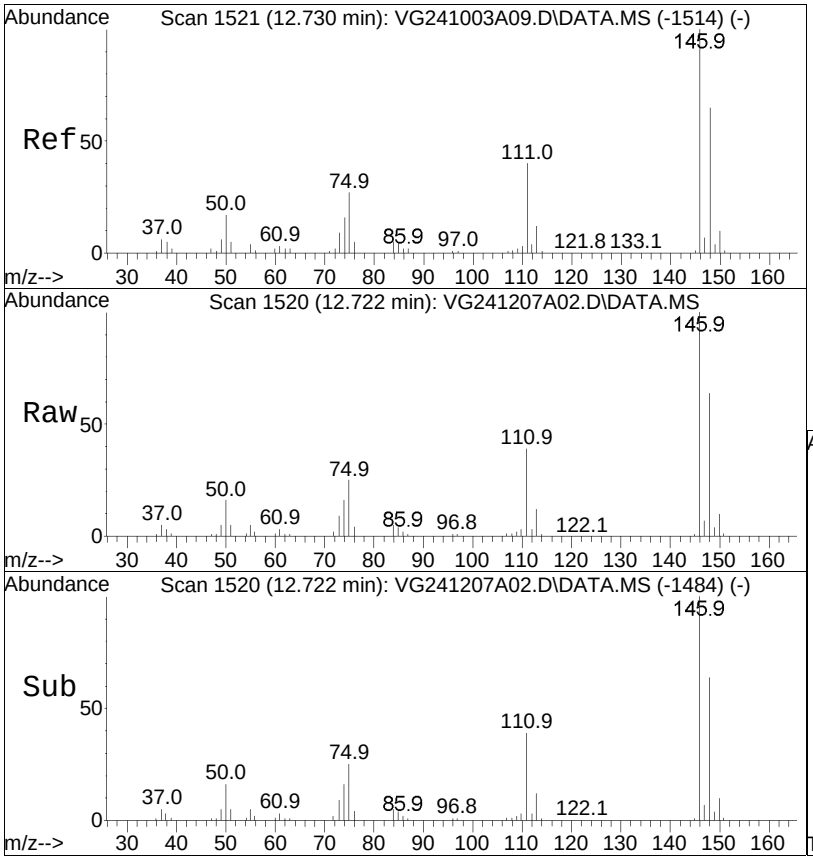


#103
n-Butylbenzene
Concen: 8.80 ug/L
RT: 12.566 min Scan# 1501
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 91 Resp: 270402

Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.8	65.8
134	28.2	22.0	33.0

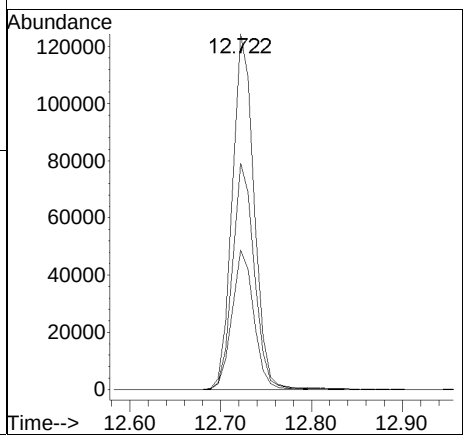


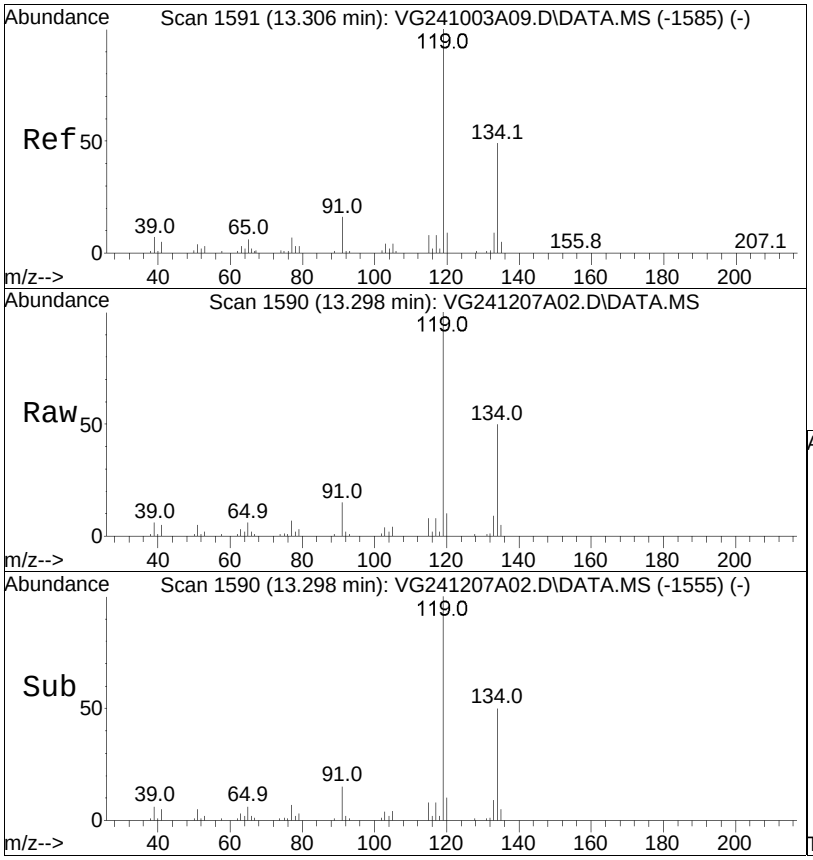


#104
1,2-Dichlorobenzene
Concen: 9.34 ug/L
RT: 12.722 min Scan# 1520
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:146 Resp: 208035

Ion	Ratio	Lower	Upper
146	100		
111	39.1	25.4	52.8
148	63.3	41.7	86.5

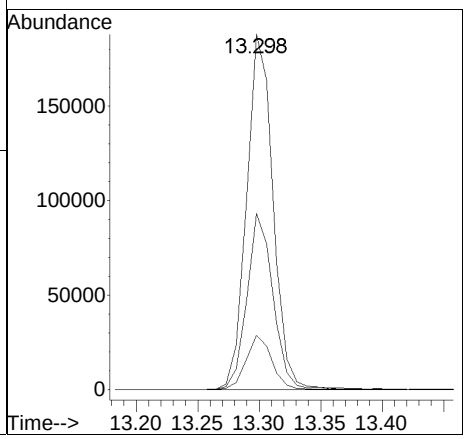


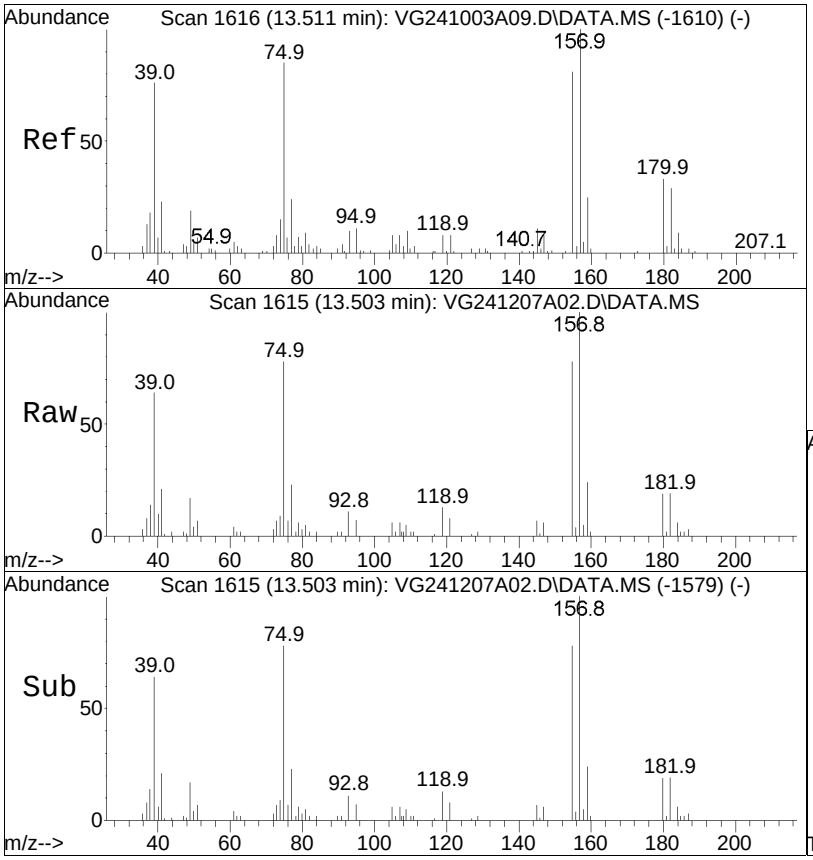


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.33 ug/L
RT: 13.298 min Scan# 1590
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:119 Resp: 280907

Ion	Ratio	Lower	Upper
119	100		
134	48.9	32.7	67.9
91	14.8	9.9	20.7

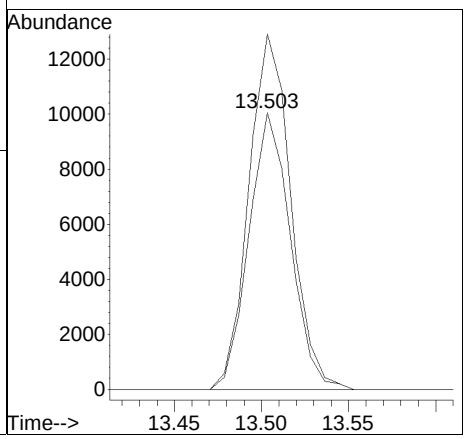


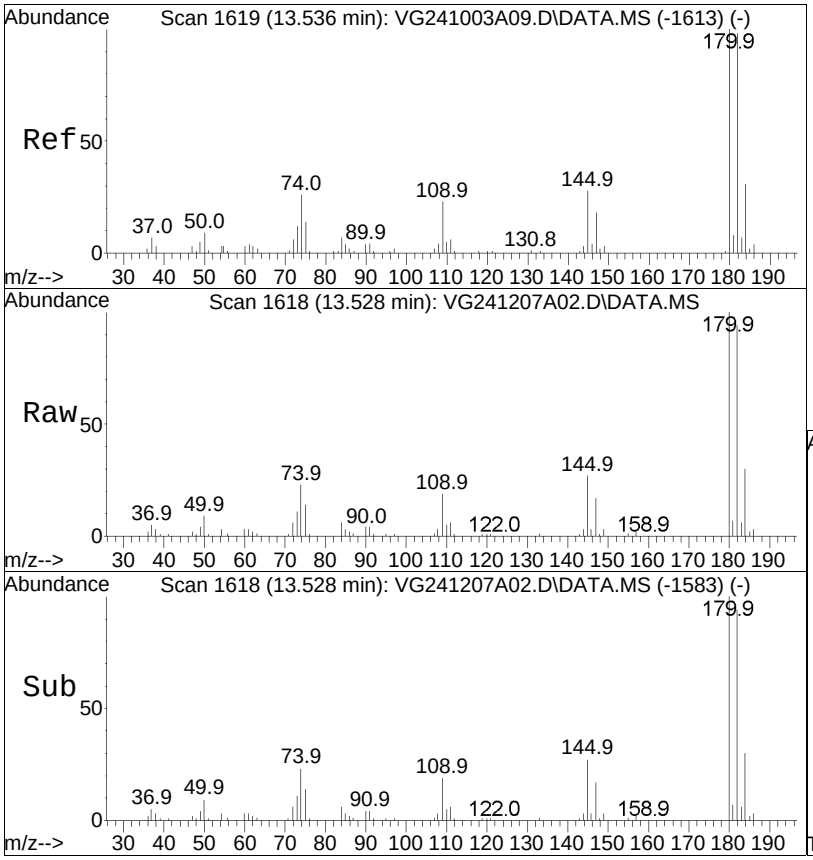


#106
1,2-Dibromo-3-chloropropane
Concen: 8.44 ug/L
RT: 13.503 min Scan# 1615
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:155 Resp: 16672

Ion	Ratio	Lower	Upper
155	100		
157	129.6	99.9	149.9

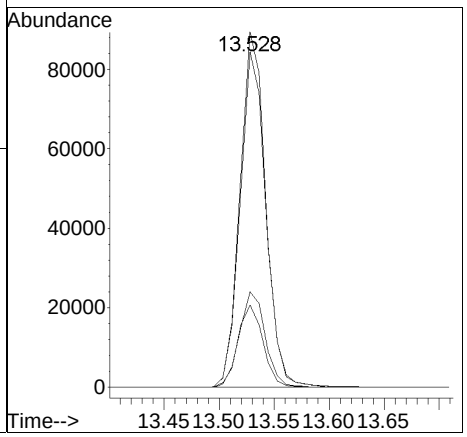


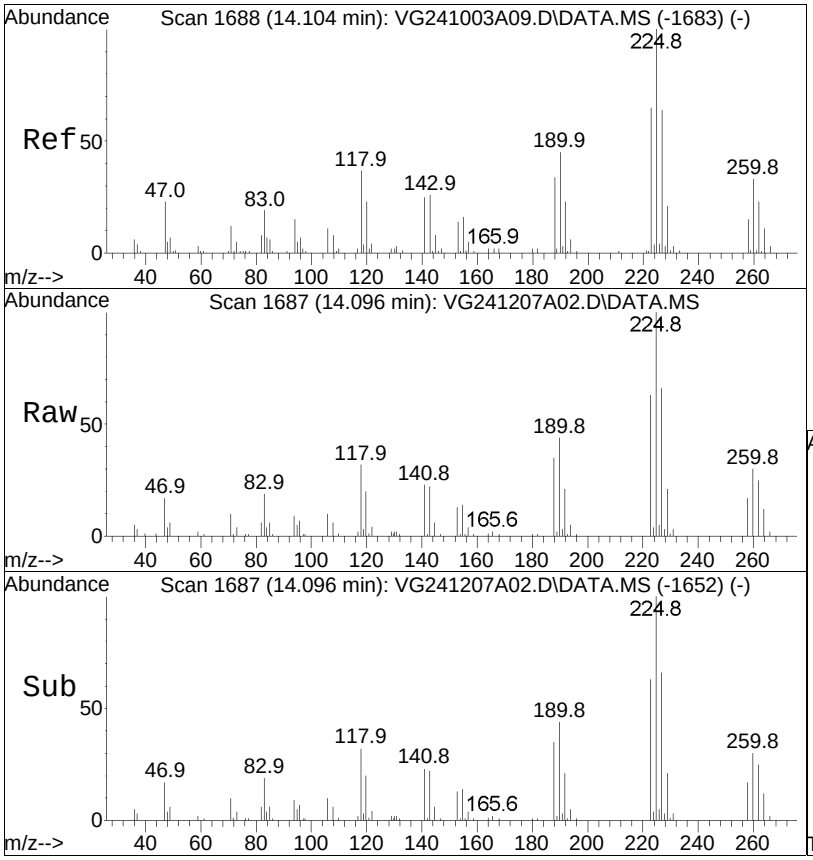


#107
1,3,5-Trichlorobenzene
Concen: 10.41 ug/L
RT: 13.528 min Scan# 1618
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:180 Resp: 145864

Ion	Ratio	Lower	Upper
180	100		
182	94.9	61.2	127.0
145	27.1	18.5	38.3
74	22.8	16.3	33.8

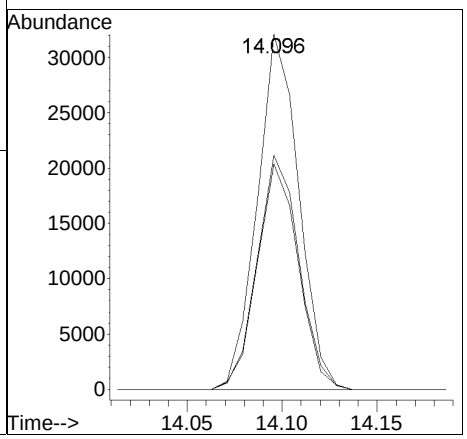


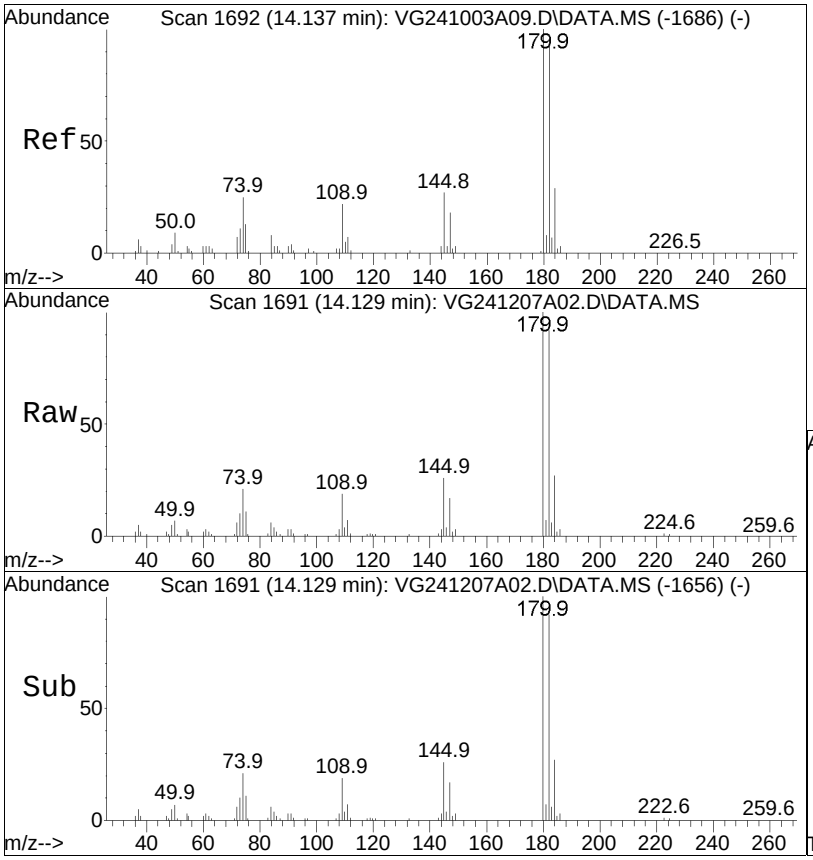


#108
Hexachlorobutadiene
Concen: 10.85 ug/L
RT: 14.096 min Scan# 1687
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:225 Resp: 48829

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.1	75.1
227	66.4	50.2	75.4

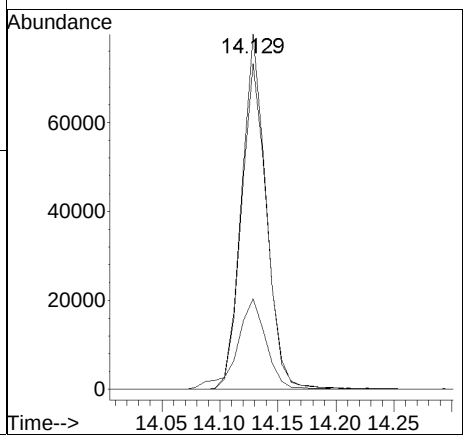


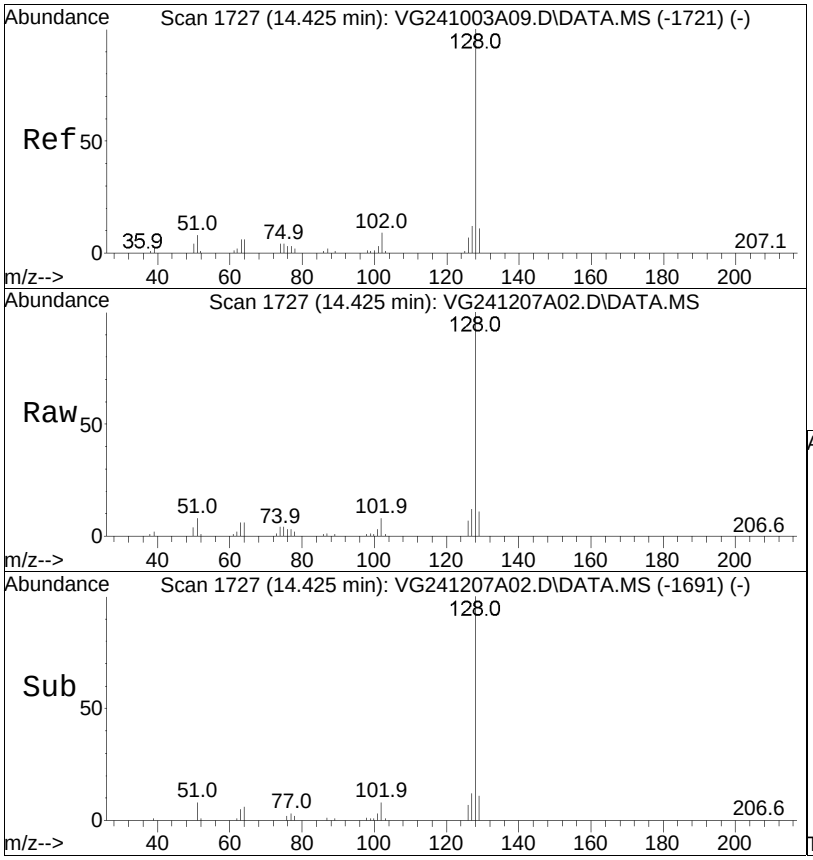


#109
1,2,4-Trichlorobenzene
Concen: 9.96 ug/L
RT: 14.129 min Scan# 1691
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:180 Resp: 118432

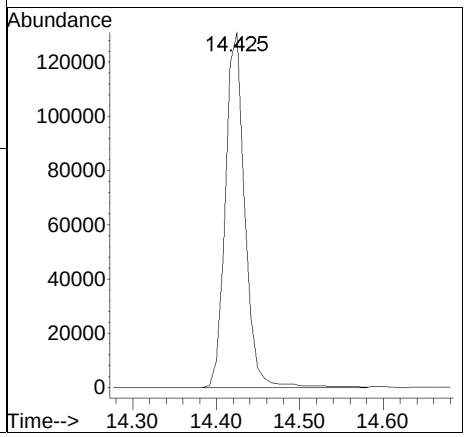
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.7	115.1
145	30.2	26.5	39.7

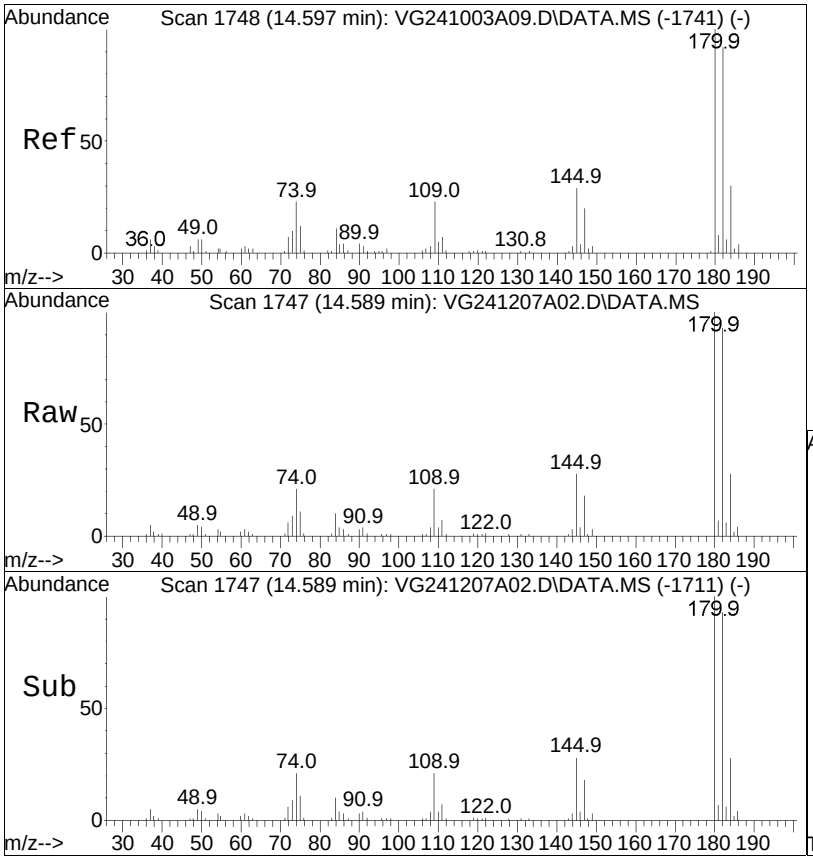




#110
Naphthalene
Concen: 8.38 ug/L
RT: 14.425 min Scan# 1727
Delta R.T. -0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:128 Resp: 211178

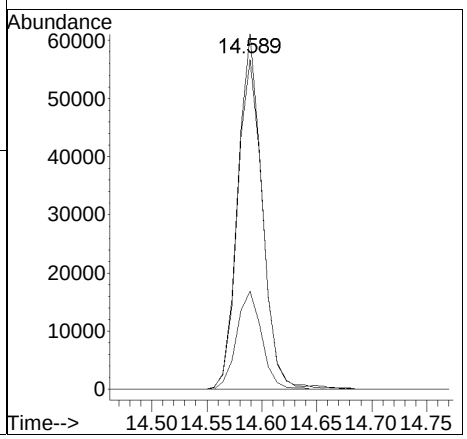




#111
1,2,3-Trichlorobenzene
Concen: 9.49 ug/L
RT: 14.589 min Scan# 1747
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:180 Resp: 94394

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.4
145	28.4	24.1	36.1

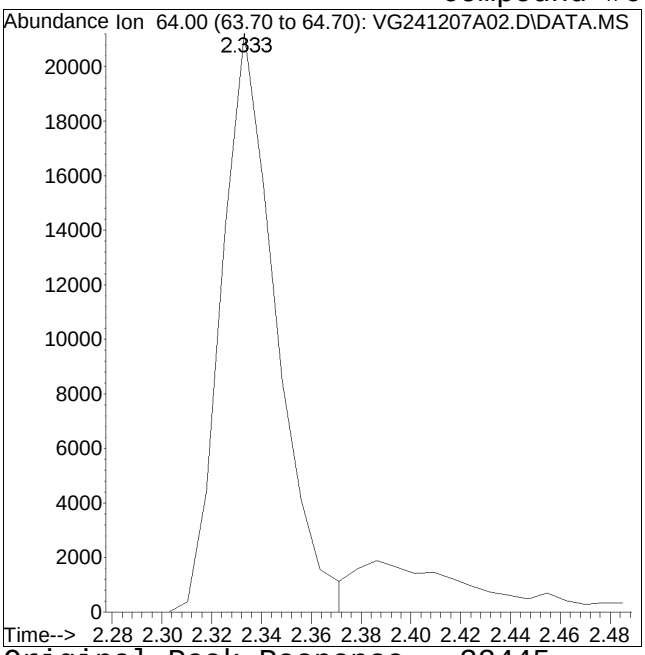


Manual Integration Report

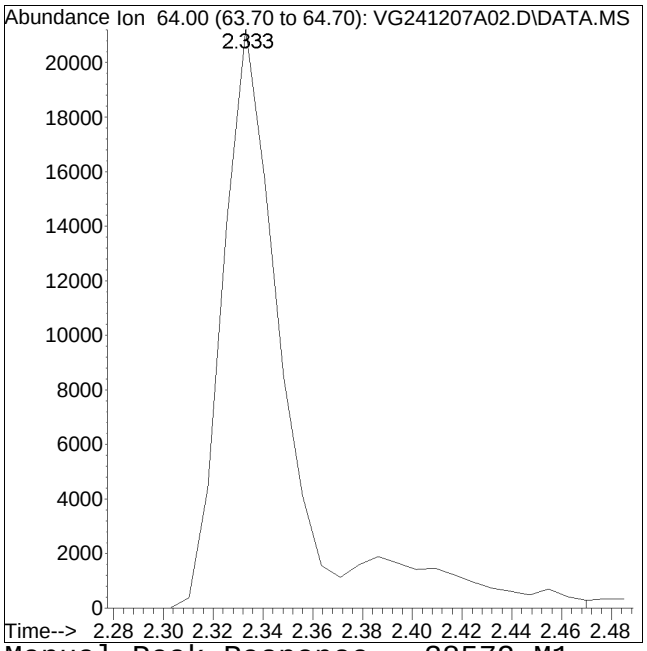
Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Date Inj'd : 12/7/2024 12:43 pm
Sample : WG2006732-10,31,10,10

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:09 pm

Compound #6: Chloroethane



Original Peak Response = 32445



Manual Peak Response = 38572 M1

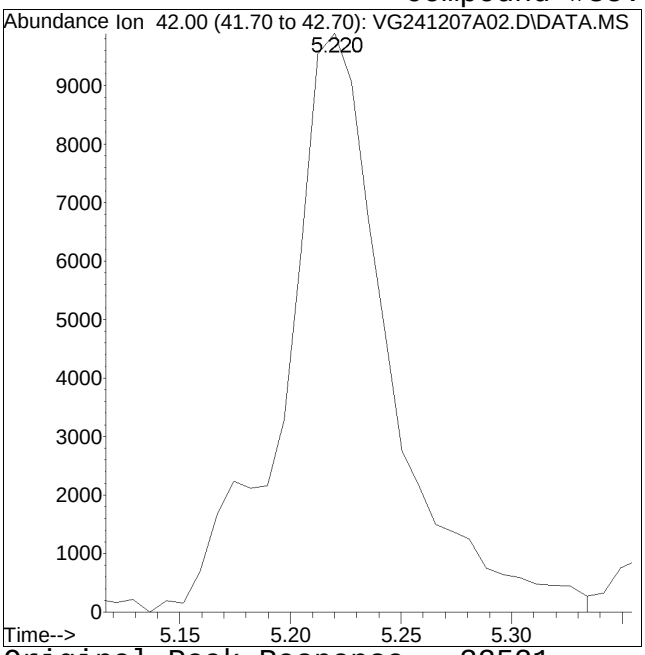
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

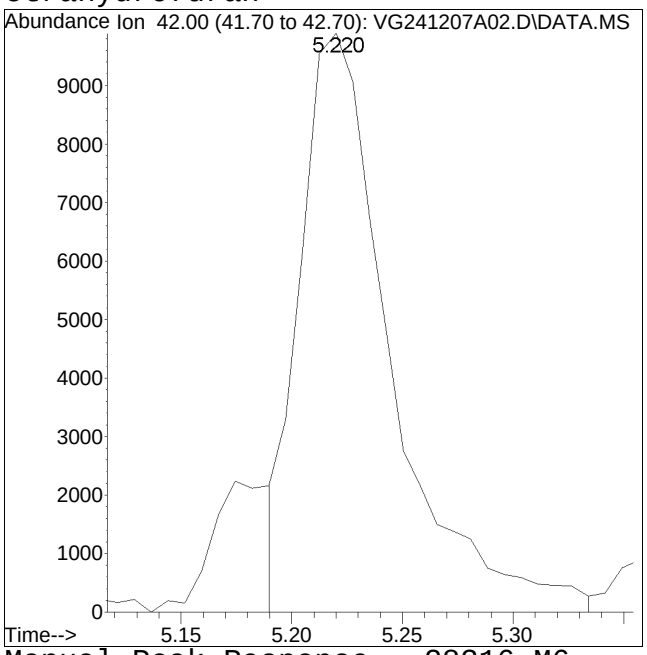
Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Date Inj'd : 12/7/2024 12:43 pm
Sample : WG2006732-10,31,10,10

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:09 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 32521



Manual Peak Response = 28316 M6

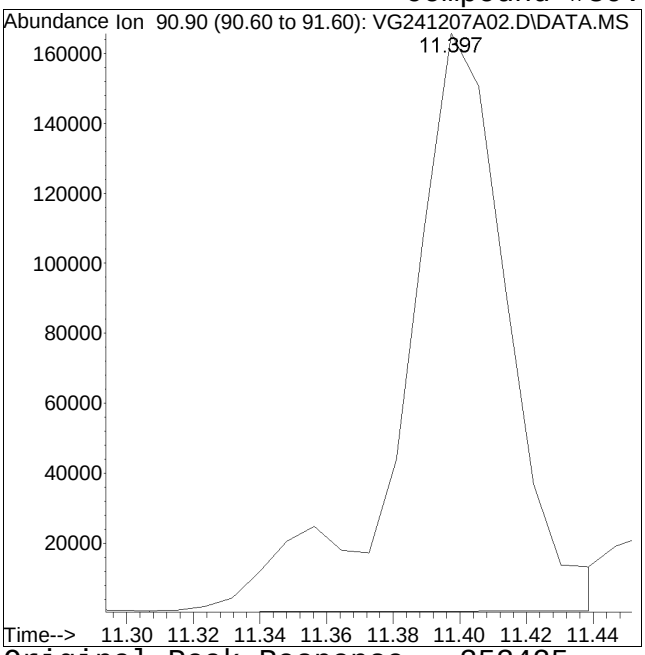
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

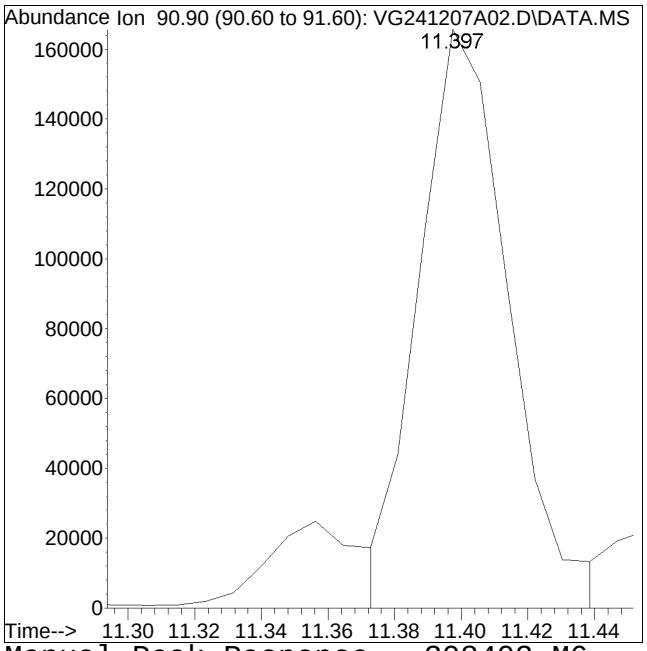
Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Date Inj'd : 12/7/2024 12:43 pm
Sample : WG2006732-10,31,10,10

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:09 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 353425



Manual Peak Response = 308403 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006760-3,31,10,10
Misc : WG2006760,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	468300	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 100.00%			
59) Chlorobenzene-d5	9.596	117	363004	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.286	152	211946	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.243	113	118646	10.160	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.60%			
43) 1,2-Dichloroethane-d4	5.775	65	142777	10.612	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.12%			
60) Toluene-d8	7.743	98	463156	9.647	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.47%			
83) 4-Bromofluorobenzene	11.085	95	173930	9.363	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.63%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.657	85	84905	8.534	ug/L	97
3) Chloromethane	1.877	50	98309	9.114	ug/L	98
4) Vinyl chloride	1.923	62	84436	7.854	ug/L	98
5) Bromomethane	2.234	94	19199	3.098	ug/L	98
6) Chloroethane	2.333	64	38572M1	6.260	ug/L	
7) Trichlorofluoromethane	2.485	101	128550	8.969	ug/L	98
8) Ethyl ether	2.797	74	37803	7.246	ug/L #	57
10) 1,1-Dichloroethene	2.986	96	74949	9.076	ug/L	81
11) Carbon disulfide	3.017	76	229220	9.138	ug/L	98
15) Methylene chloride	3.549	84	87060	8.769	ug/L #	70
17) Acetone	3.594	43	22945	8.942	ug/L	96
18) trans-1,2-Dichloroethene	3.693	96	84102	9.396	ug/L	85
20) Methyl tert-butyl ether	3.784	73	232779	7.690	ug/L #	87
23) 1,1-Dichloroethane	4.278	63	173276	9.994	ug/L	99
25) Acrylonitrile	4.339	53	28138	8.790	ug/L	95
27) Vinyl acetate	4.513	43	217697	8.960	ug/L	96
28) cis-1,2-Dichloroethene	4.802	96	92634	8.940	ug/L #	85
29) 2,2-Dichloropropane	4.901	77	131223	11.386	ug/L	93
30) Bromochloromethane	5.000	128	44585	9.456	ug/L #	75
32) Chloroform	5.068	83	154930	9.231	ug/L	97

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006760-3,31,10,10
Misc : WG2006760,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.197	117	127333	9.952	ug/L		98
37) 1,1,1-Trichloroethane	5.258	97	140293	9.476	ug/L		95
39) 2-Butanone	5.372	43	38687	9.886	ug/L	#	78
40) 1,1-Dichloropropene	5.387	75	117872	9.489	ug/L		99
41) Benzene	5.630	78	363717	9.417	ug/L	#	92
44) 1,2-Dichloroethane	5.843	62	124447	9.513	ug/L		99
48) Trichloroethene	6.230	95	96355	9.294	ug/L		98
50) Dibromomethane	6.679	93	52402	8.881	ug/L		94
51) 1,2-Dichloropropane	6.777	63	98441	9.825	ug/L		97
54) Bromodichloromethane	6.853	83	120795	8.936	ug/L		100
57) 1,4-Dioxane	7.063	88	40661	403.753	ug/L	#	74
58) cis-1,3-Dichloropropene	7.543	75	142856	9.328	ug/L		93
61) Toluene	7.800	92	232195	9.191	ug/L		99
62) 4-Methyl-2-pentanone	8.237	58	29000	8.196	ug/L		86
63) Tetrachloroethene	8.245	166	107934	9.877	ug/L		98
65) trans-1,3-Dichloropropene	8.295	75	124080	8.425	ug/L		98
68) 1,1,2-Trichloroethane	8.481	83	62024	8.072	ug/L		98
69) Chlorodibromomethane	8.689	129	94792	8.919	ug/L		99
70) 1,3-Dichloropropane	8.803	76	129428	8.484	ug/L		99
71) 1,2-Dibromoethane	8.968	107	76070	8.366	ug/L		100
72) 2-Hexanone	9.255	43	55993	8.845	ug/L		91
73) Chlorobenzene	9.612	112	260823	9.609	ug/L		100
74) Ethylbenzene	9.645	91	438830	9.040	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.695	131	92748	8.915	ug/L		100
76) p/m Xylene	9.834	106	342824	18.562	ug/L		94
77) o Xylene	10.369	106	330027	18.451	ug/L		95
78) Styrene	10.443	104	551562	18.119	ug/L		97
80) Bromoform	10.476	173	65436	8.590	ug/L		99
82) Isopropylbenzene	10.748	105	418695	8.936	ug/L		100
84) Bromobenzene	11.192	156	126692	9.990	ug/L		98
85) n-Propylbenzene	11.233	91	490382	8.988	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.332	83	96722	8.155	ug/L		97
88) 4-Ethyltoluene	11.356	105	403132	9.025	ug/L		100
89) 2-Chlorotoluene	11.397	91	308403M6	9.268	ug/L		
90) 1,3,5-Trimethylbenzene	11.455	105	357470	9.038	ug/L		99
91) 1,2,3-Trichloropropane	11.463	75	80507	8.310	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.513	53	28241	7.228	ug/L	#	88
93) 4-Chlorotoluene	11.587	91	317654	9.069	ug/L		99
94) tert-Butylbenzene	11.792	119	295278	9.465	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006760-3,31,10,10
Misc : WG2006760,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.875	105	341962	8.860	ug/L	100
98) sec-Butylbenzene	11.981	105	402071	8.935	ug/L	99
99) p-Isopropyltoluene	12.138	119	357321	9.363	ug/L	99
100) 1,3-Dichlorobenzene	12.212	146	220783	9.557	ug/L	99
101) 1,4-Dichlorobenzene	12.302	146	223563	9.317	ug/L	99
102) p-Diethylbenzene	12.508	119	198485	9.271	ug/L	97
103) n-Butylbenzene	12.566	91	270402	8.799	ug/L	99
104) 1,2-Dichlorobenzene	12.722	146	208035	9.340	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.298	119	280907	9.329	ug/L	98
106) 1,2-Dibromo-3-chloropr...	13.503	155	16672	8.437	ug/L	96
108) Hexachlorobutadiene	14.096	225	48829	10.851	ug/L	97
109) 1,2,4-Trichlorobenzene	14.129	180	118432	9.958	ug/L	98
110) Naphthalene	14.425	128	211178	8.384	ug/L	100
111) 1,2,3-Trichlorobenzene	14.589	180	94394	9.488	ug/L	99

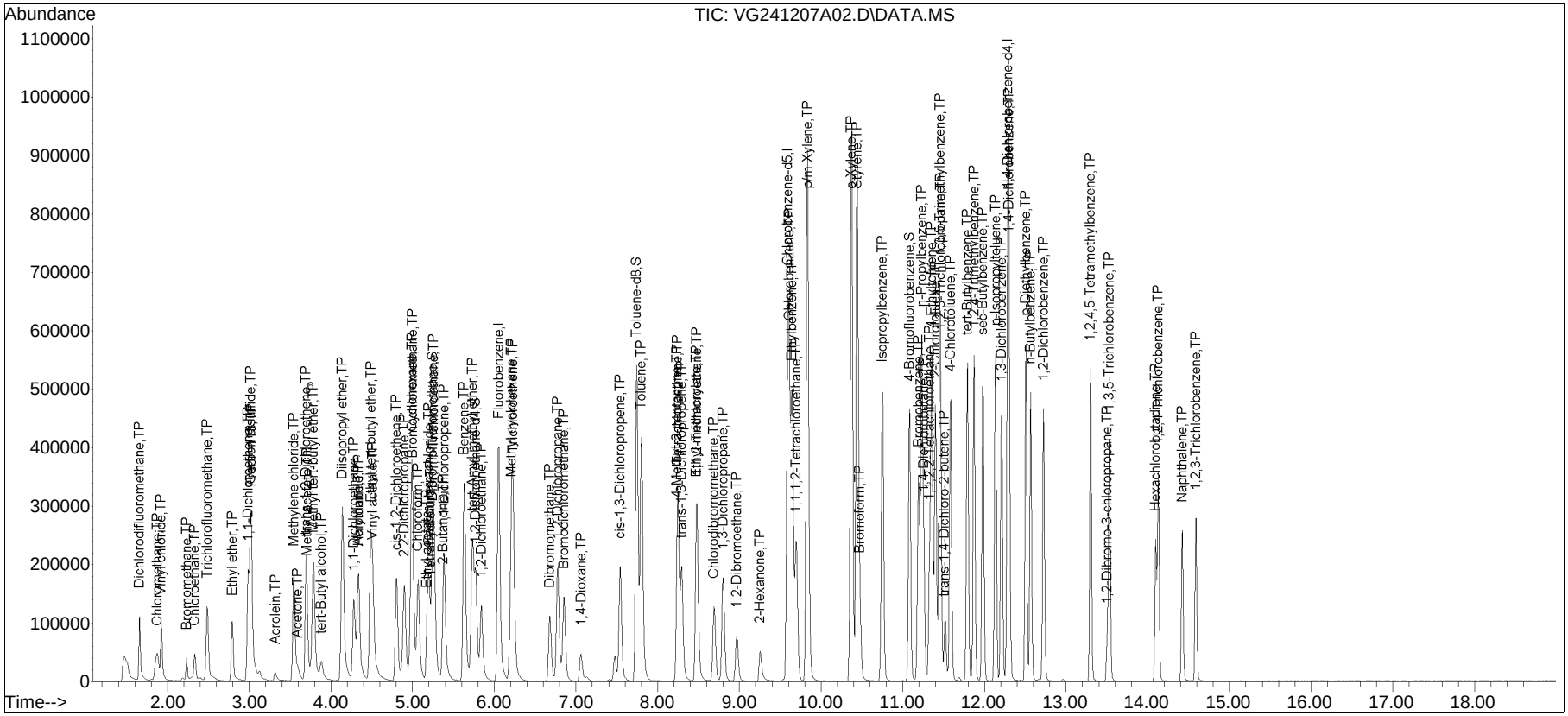
(#) = qualifier out of range (m) = manual integration (+) = signals summed

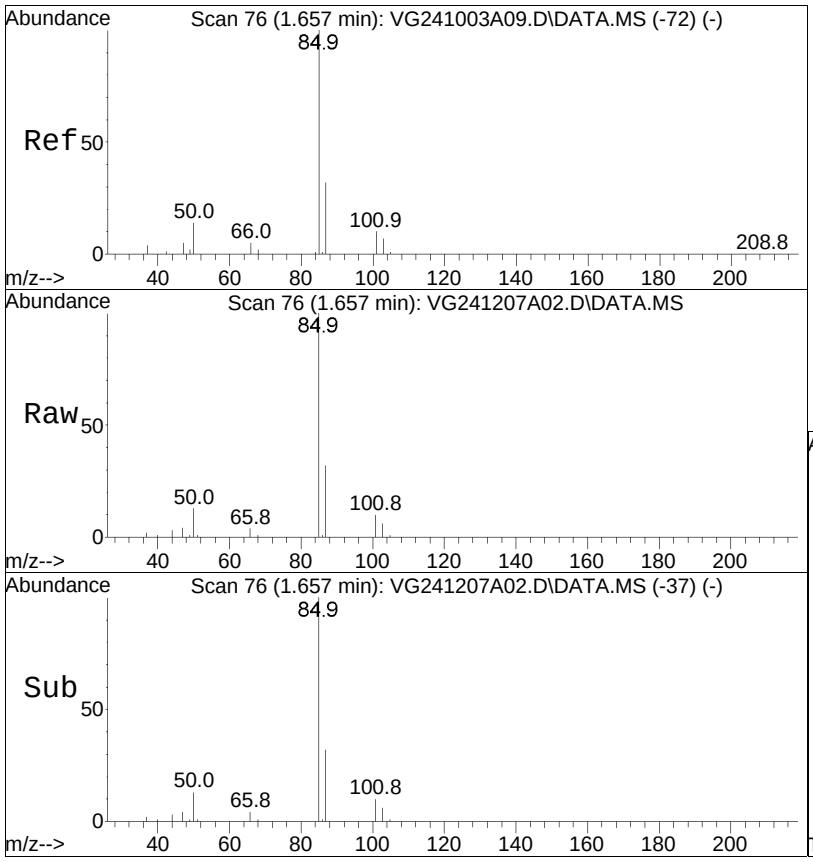
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Acq On : 7 Dec 2024 12:43 pm
Operator : GONZO:LAC
Sample : WG2006760-3,31,10,10
Misc : WG2006760,ICAL21571
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 13:10:44 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

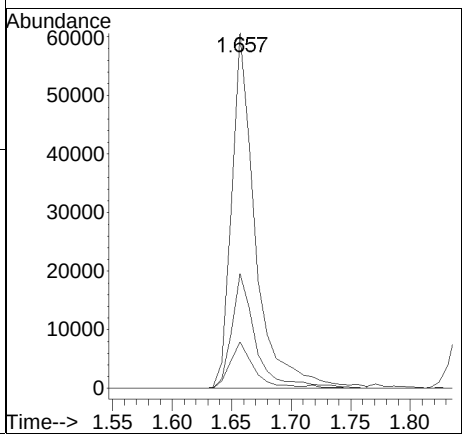


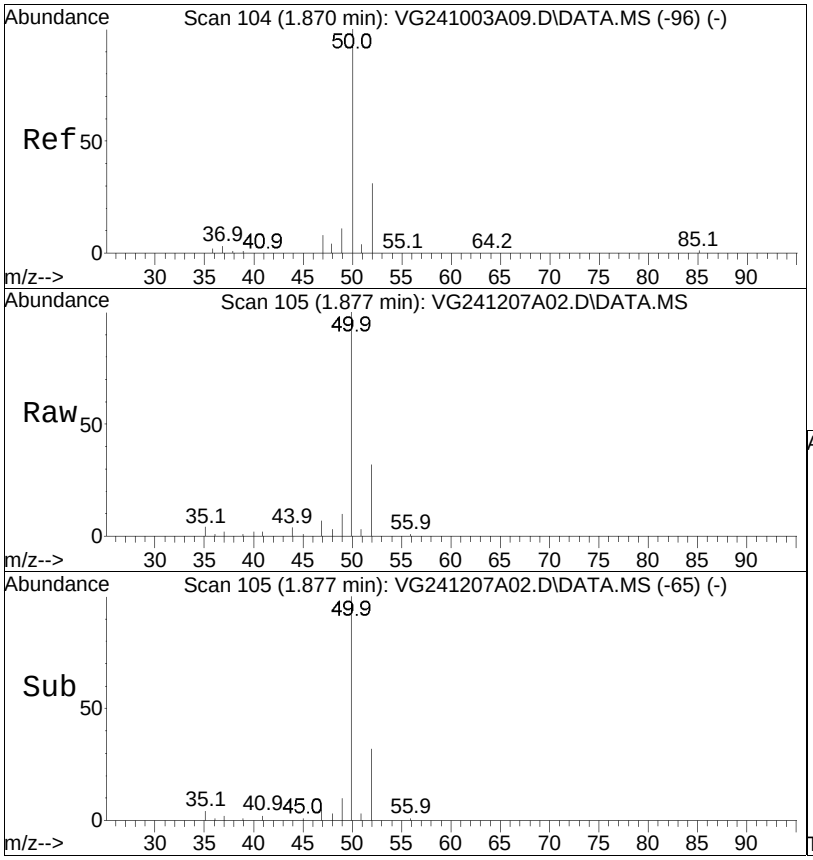


#2
Dichlorodifluoromethane
Concen: 8.53 ug/L
RT: 1.657 min Scan# 76
Delta R.T. -0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 85 Resp: 84905

Ion	Ratio	Lower	Upper
85	100		
87	32.6	20.7	42.9
50	13.7	7.5	15.5

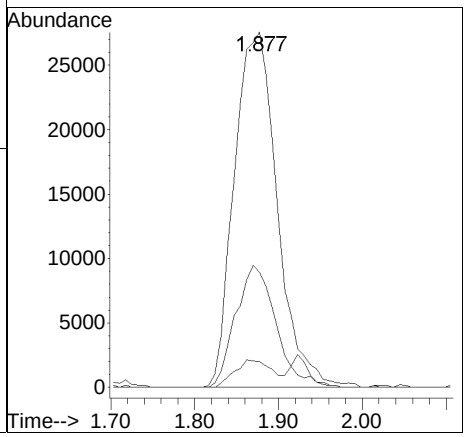


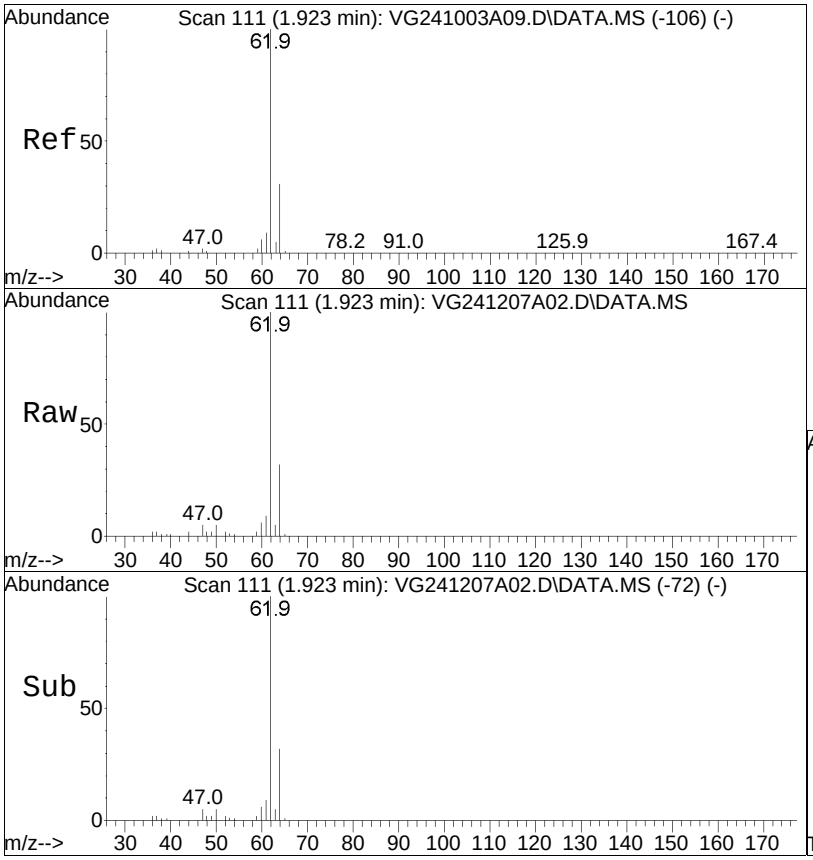


#3
Chloromethane
Concen: 9.11 ug/L
RT: 1.877 min Scan# 105
Delta R.T. 0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 50 Resp: 98309

Ion	Ratio	Lower	Upper
50	100		
52	32.3	11.7	51.7
47	6.5	0.0	28.0

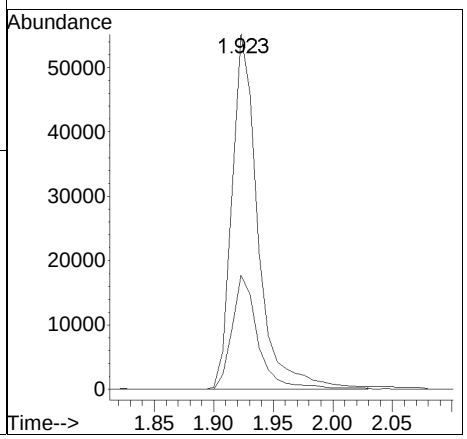


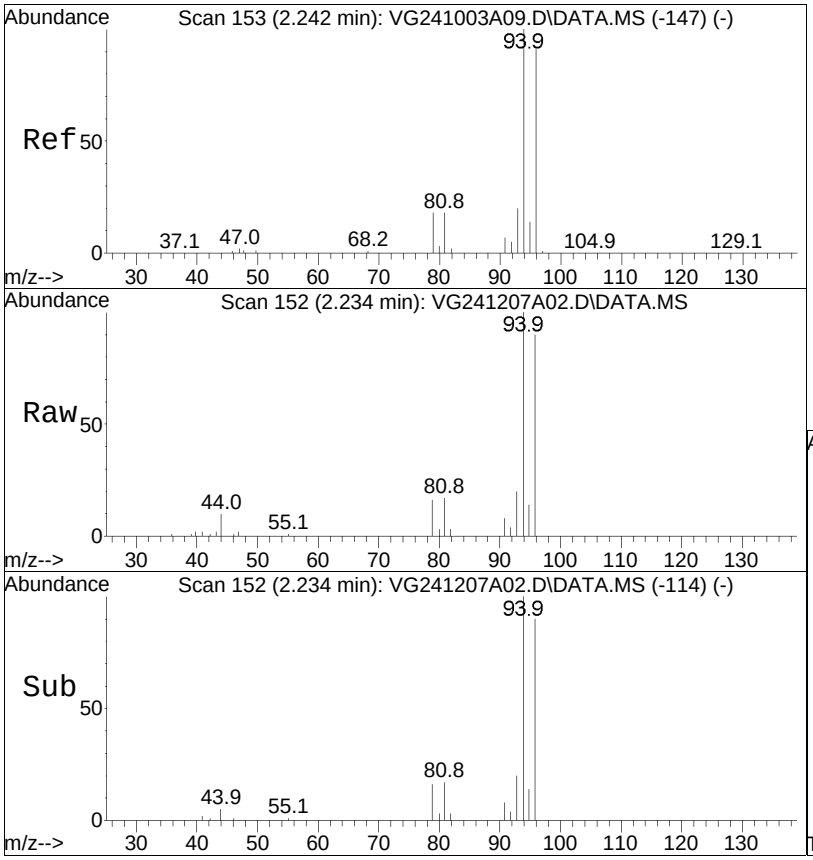


#4
Vinyl chloride
Concen: 7.85 ug/L
RT: 1.923 min Scan# 111
Delta R.T. -0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 62 Resp: 84436

Ion	Ratio	Lower	Upper
62	100		
64	32.4	11.3	51.3

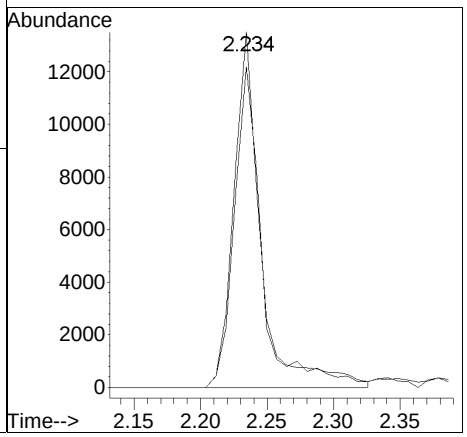


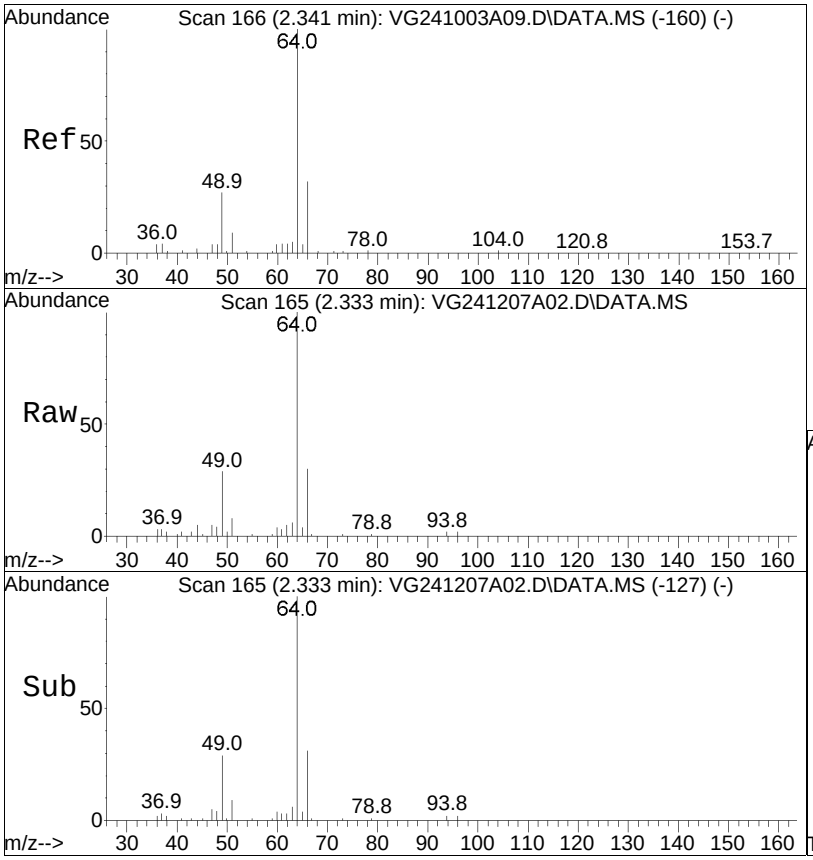


#5
Bromomethane
Concen: 3.10 ug/L
RT: 2.234 min Scan# 152
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 94 Resp: 19199

Ion	Ratio	Lower	Upper
94	100		
96	92.9	75.2	115.2

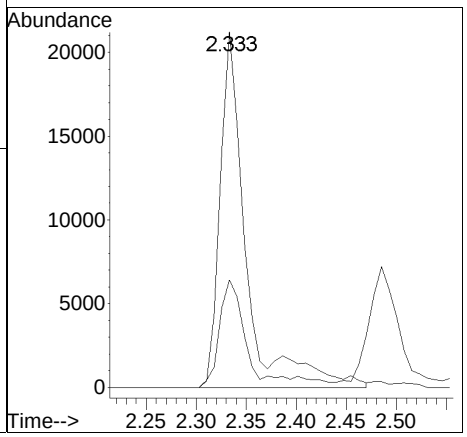


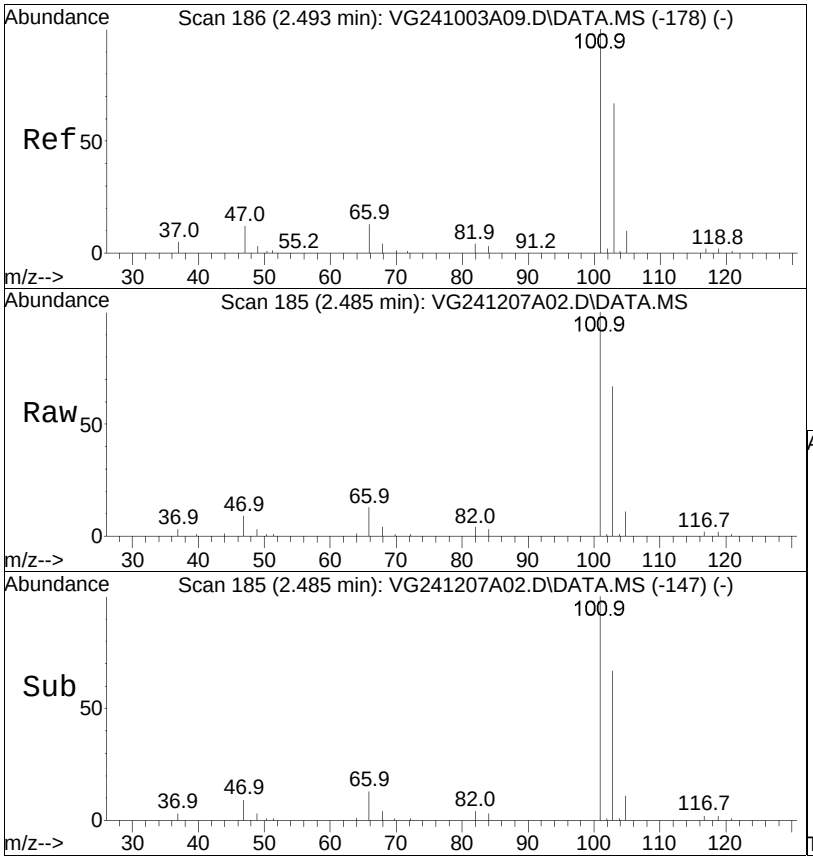


#6
Chloroethane
Concen: 6.26 ug/L M1
RT: 2.333 min Scan# 165
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 64 Resp: 38572

Ion	Ratio	Lower	Upper
64	100		
66	33.2	13.7	53.7

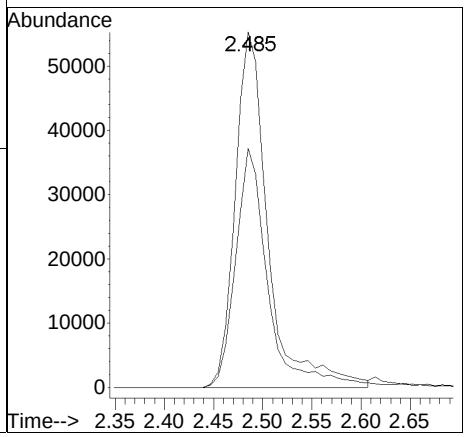


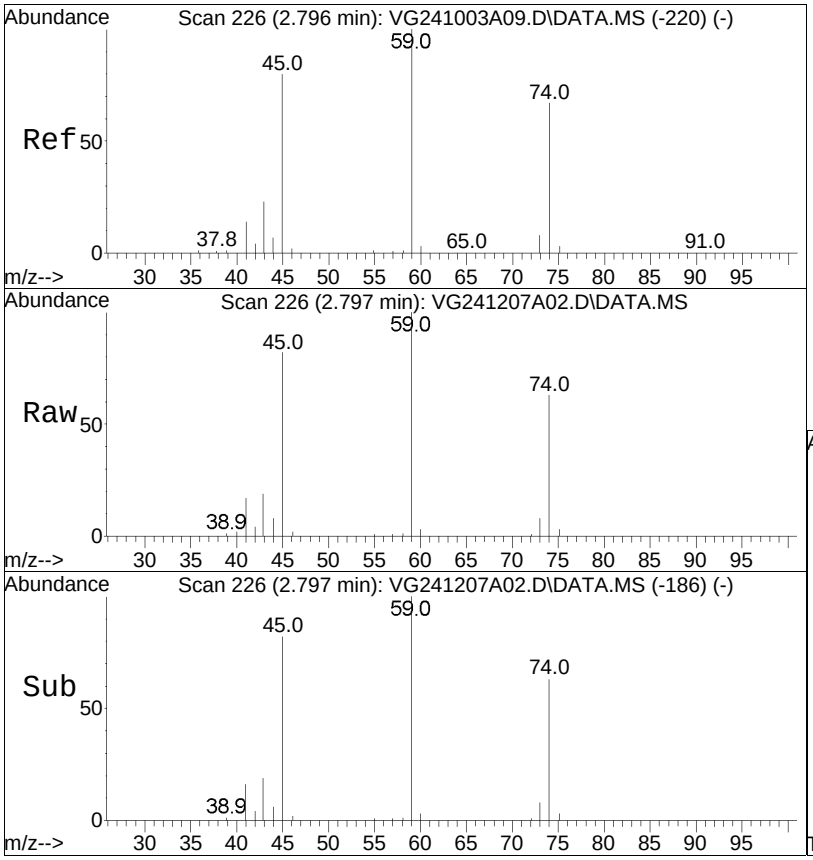


#7
Trichlorofluoromethane
Concen: 8.97 ug/L
RT: 2.485 min Scan# 185
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:101 Resp: 128550

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.2	78.2

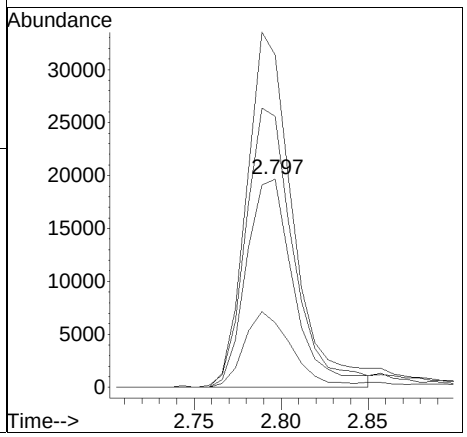


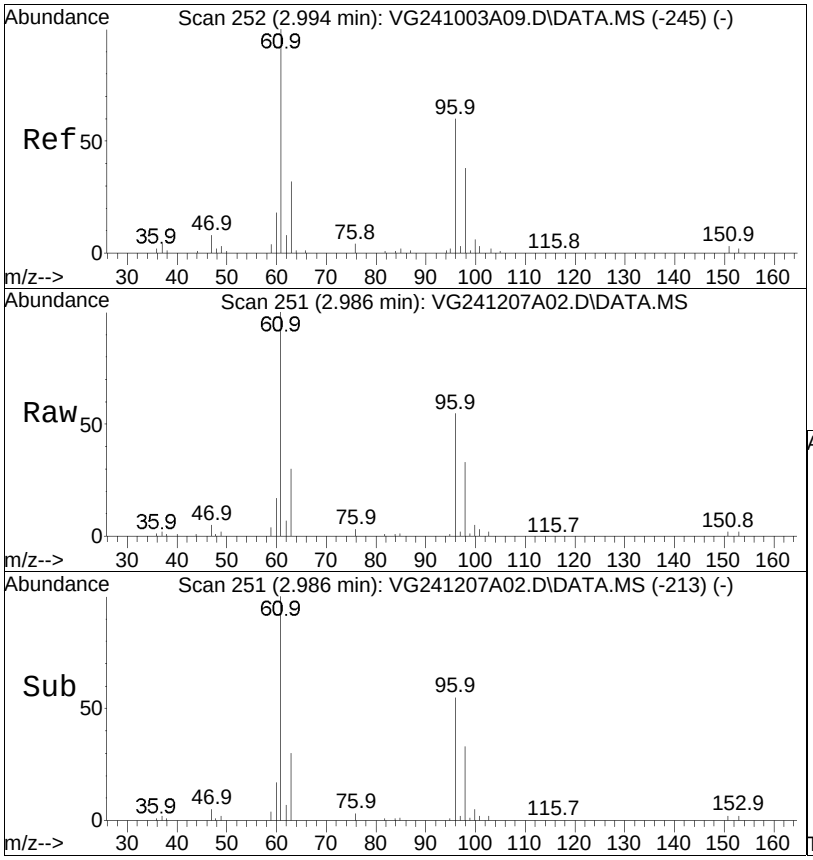


#8
Ethyl ether
Concen: 7.25 ug/L
RT: 2.797 min Scan# 226
Delta R.T. 0.001 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 74 Resp: 37803

Ion	Ratio	Lower	Upper
74	100		
59	175.9	83.5	173.3#
45	142.5	59.7	123.9#
43	36.2	17.6	36.6

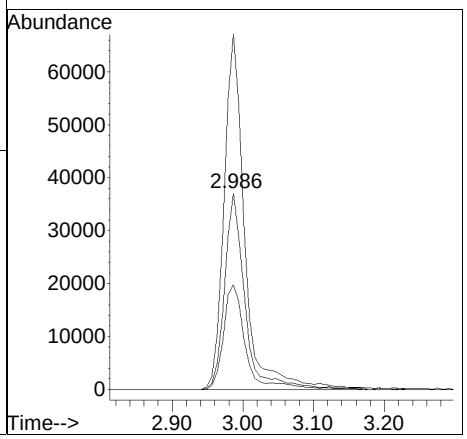


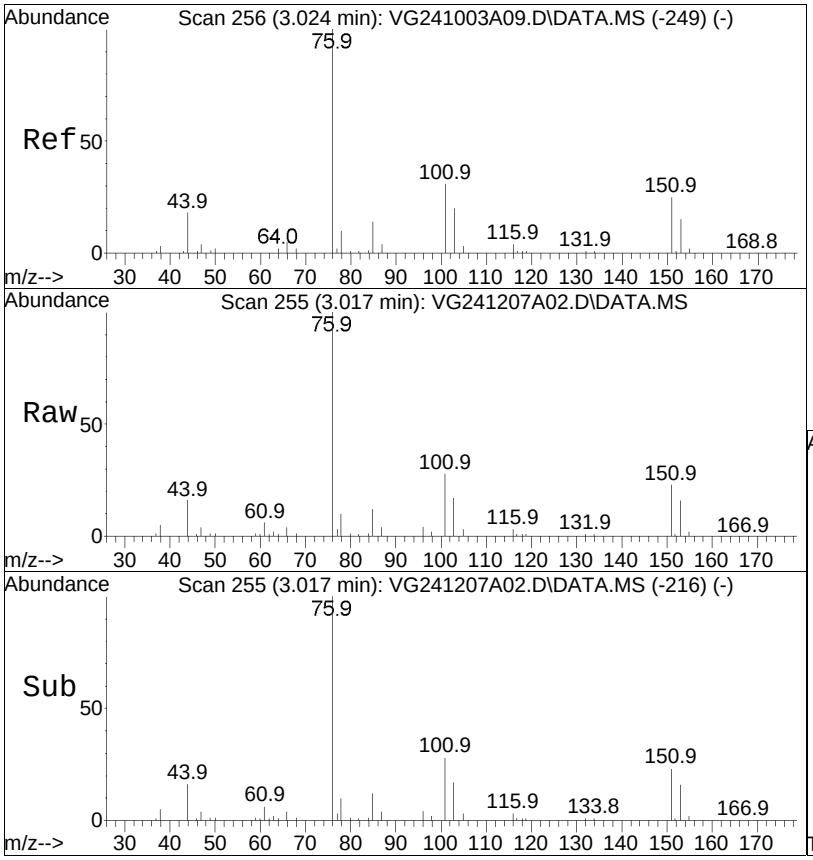


#10
1,1-Dichloroethene
Concen: 9.08 ug/L
RT: 2.986 min Scan# 251
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 96 Resp: 74949

Ion	Ratio	Lower	Upper
96	100		
61	183.4	124.2	186.4
63	57.1	40.0	60.0

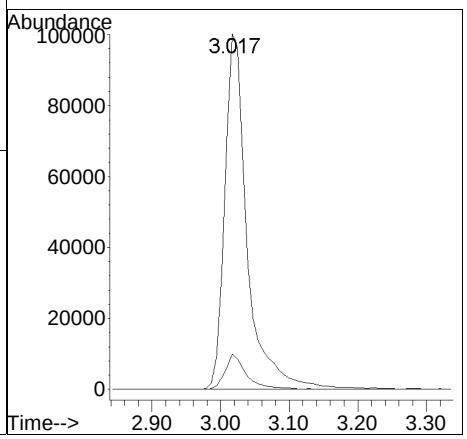


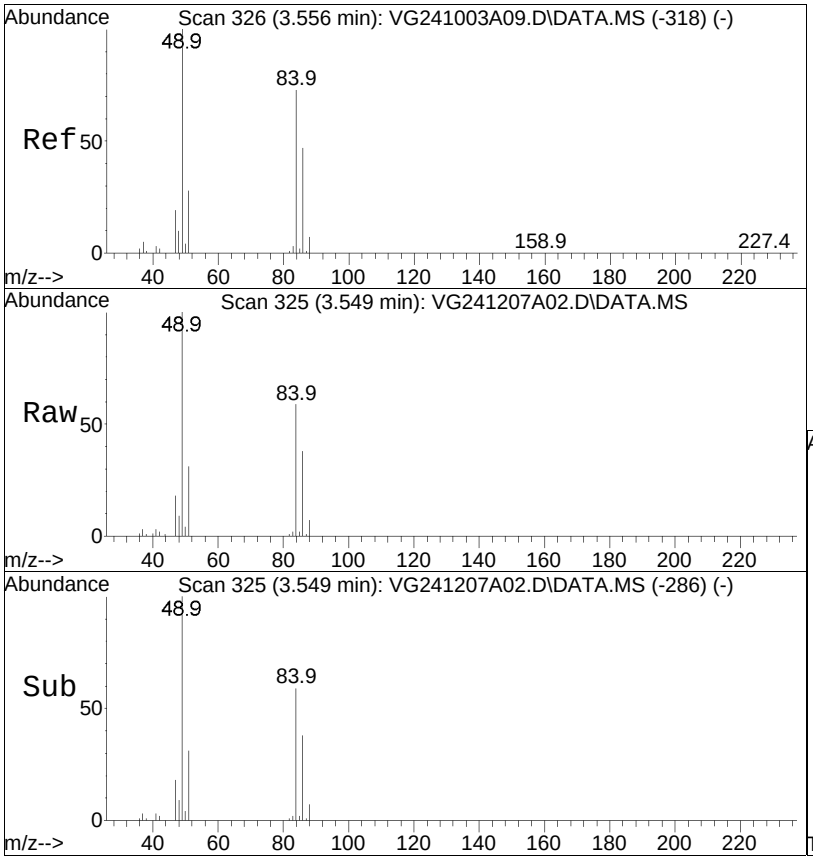


#11
Carbon disulfide
Concen: 9.14 ug/L
RT: 3.017 min Scan# 255
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 76 Resp: 229220

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.6	13.6

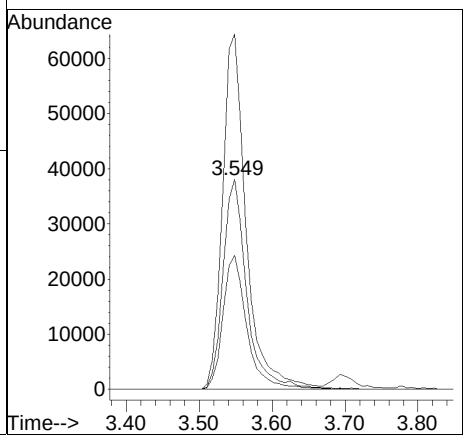


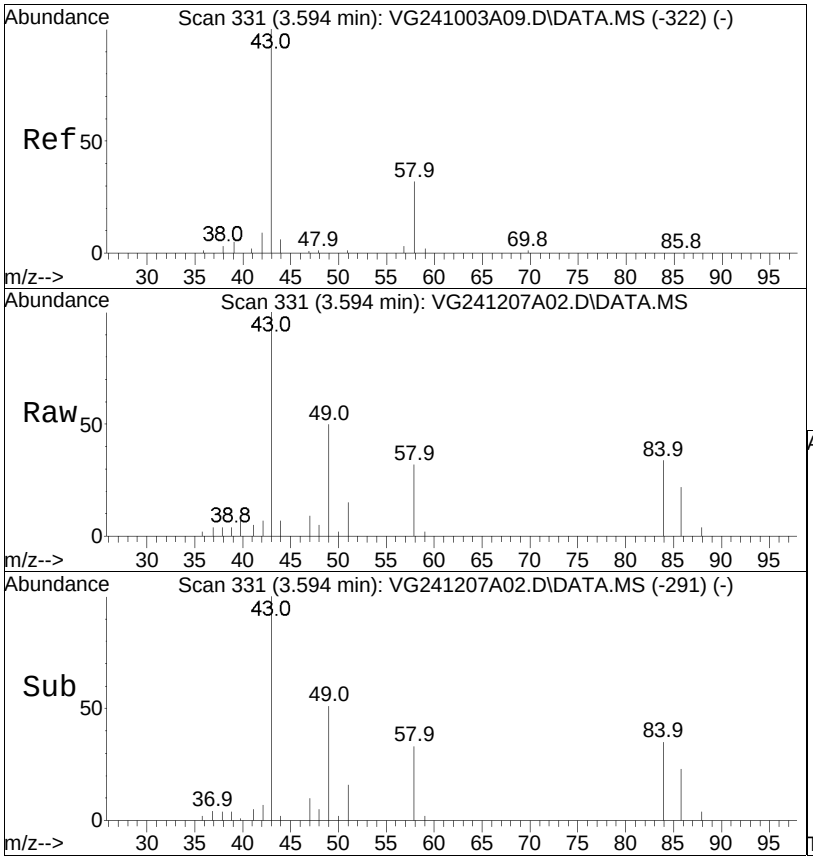


#15
Methylene chloride
Concen: 8.77 ug/L
RT: 3.549 min Scan# 325
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 84 Resp: 87060

Ion	Ratio	Lower	Upper
84	100		
86	64.1	41.1	85.5
49	166.5	76.2	158.2#

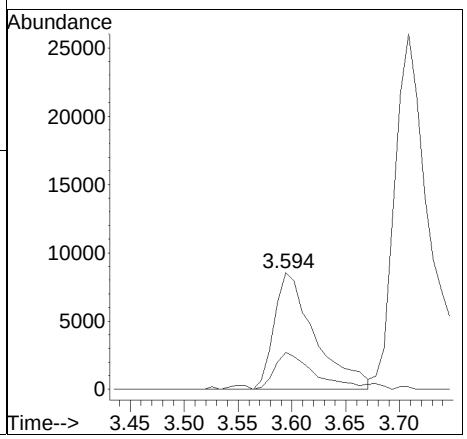


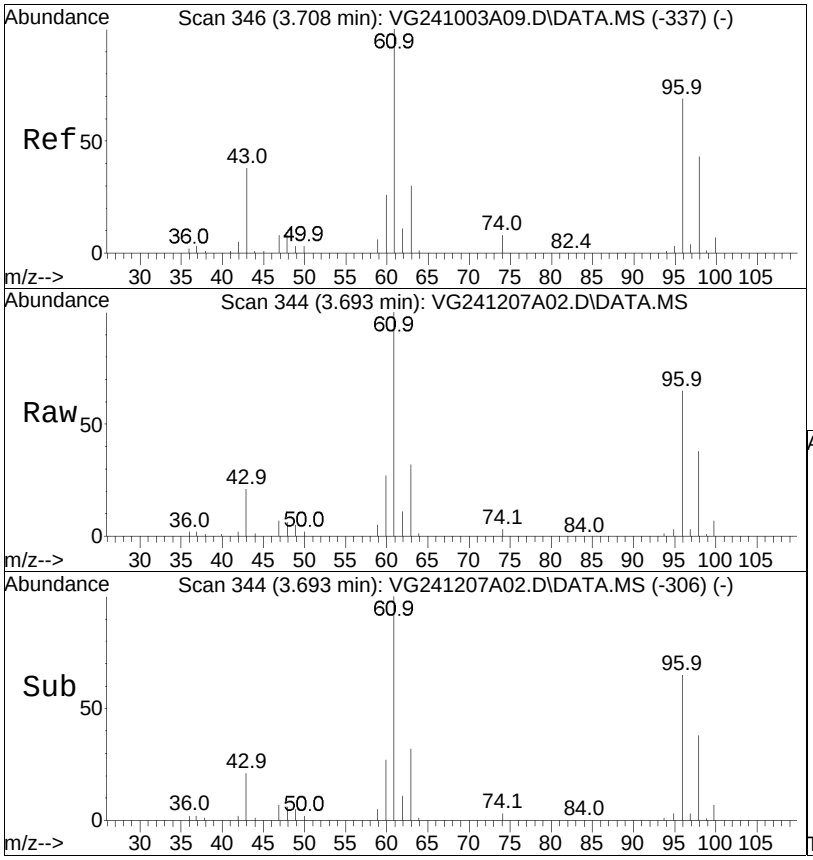


#17
Acetone
Concen: 8.94 ug/L
RT: 3.594 min Scan# 331
Delta R.T. 0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 43 Resp: 22945

Ion	Ratio	Lower	Upper
43	100		
58	29.9	22.2	33.4

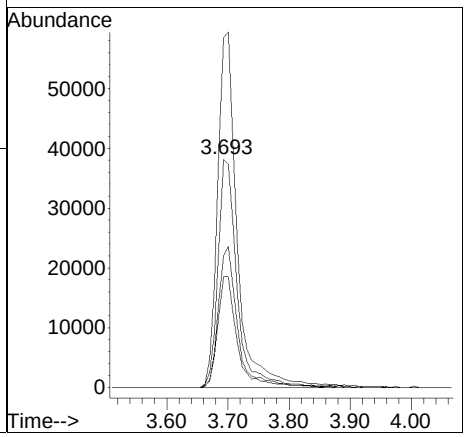


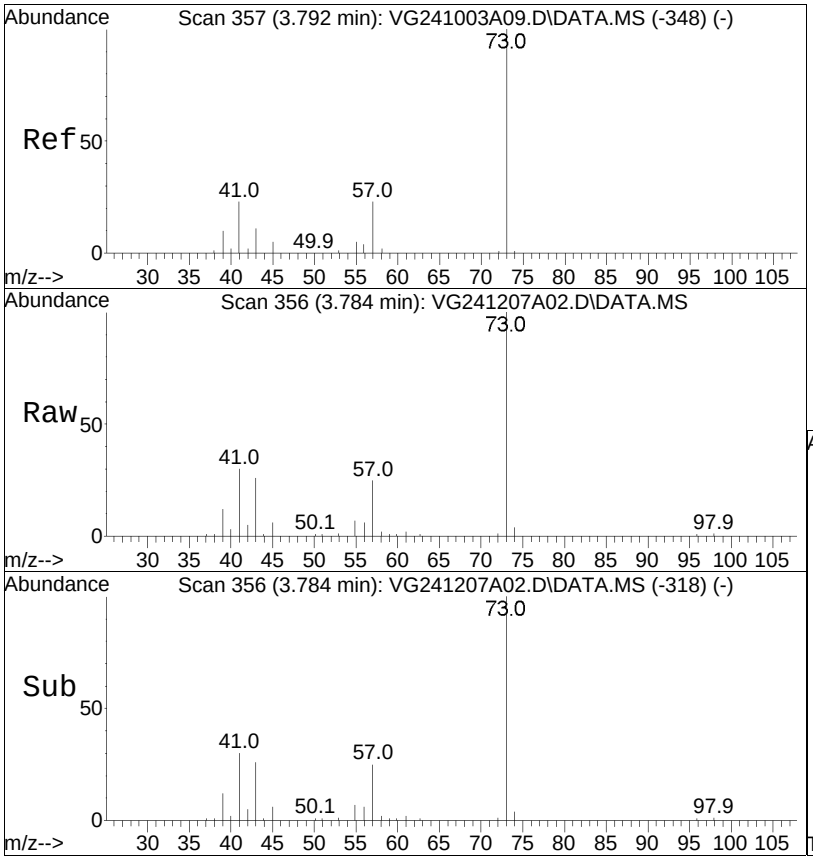


#18
trans-1,2-Dichloroethene
Concen: 9.40 ug/L
RT: 3.693 min Scan# 344
Delta R.T. -0.015 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 96 Resp: 84102

Ion	Ratio	Lower	Upper
96	100		
61	159.5	85.7	178.1
98	61.8	40.2	83.4
63	49.4	28.0	58.2

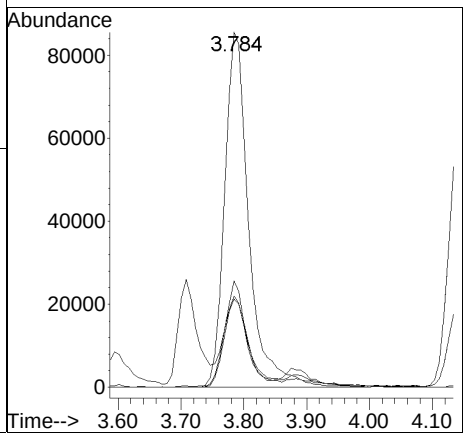


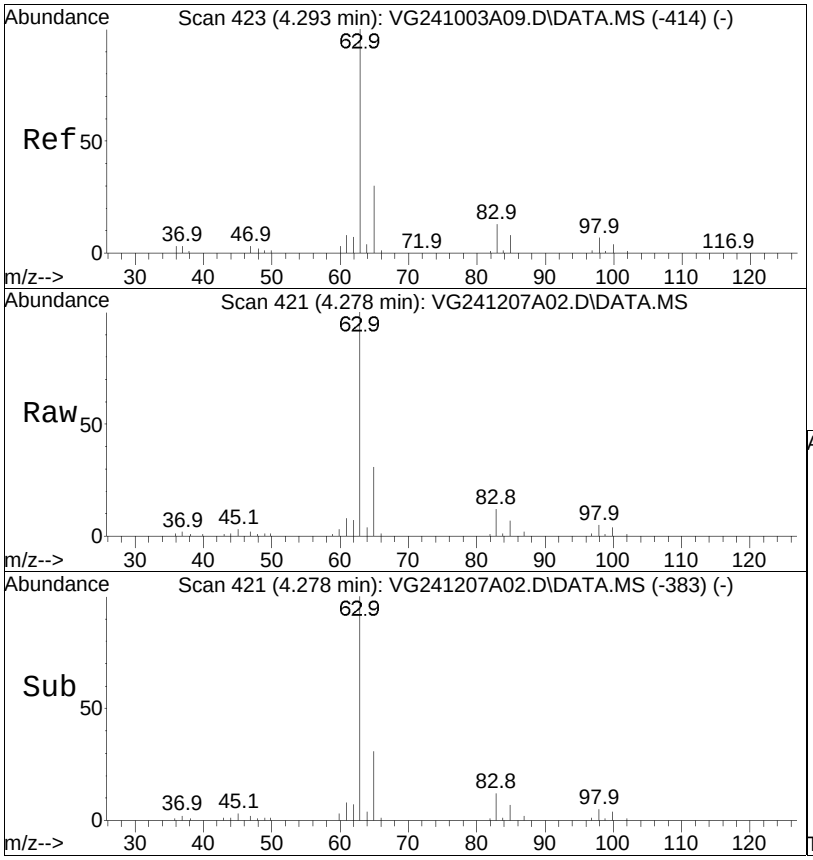


#20
Methyl tert-butyl ether
Concen: 7.69 ug/L
RT: 3.784 min Scan# 356
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 73 Resp: 232779

Ion	Ratio	Lower	Upper
73	100		
57	24.4	12.5	26.1
43	26.1	13.0	27.0
41	26.4	12.5	26.1#

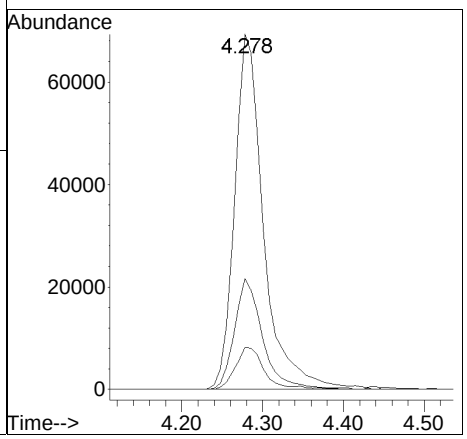


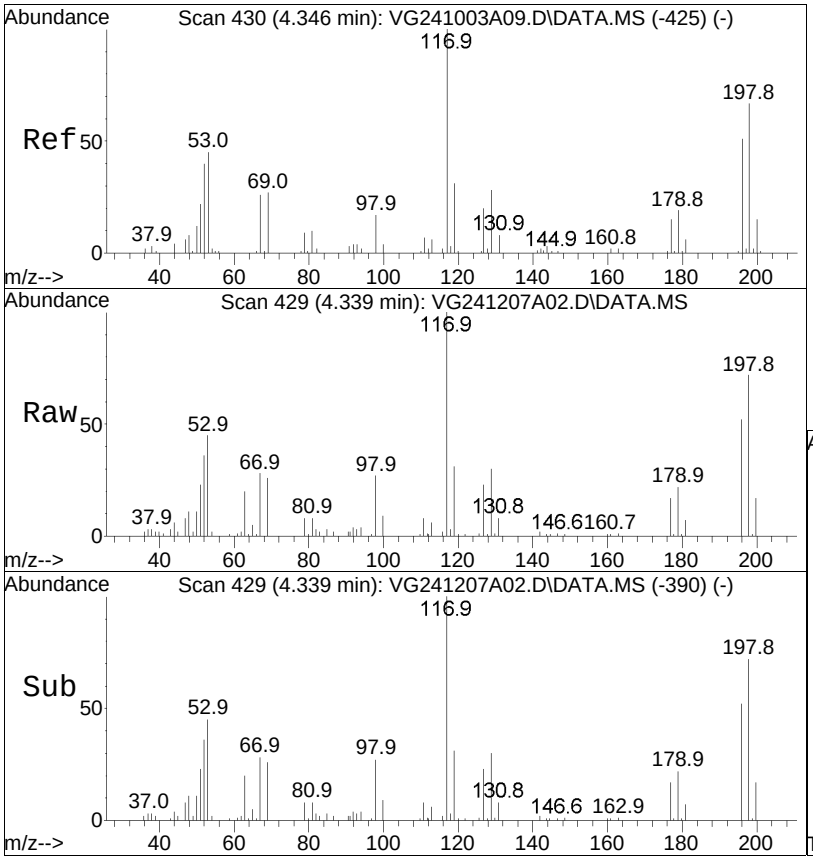


#23
1,1-Dichloroethane
Concen: 9.99 ug/L
RT: 4.278 min Scan# 421
Delta R.T. -0.015 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 63 Resp: 173276

Ion	Ratio	Lower	Upper
63	100		
65	30.3	10.4	50.4
83	11.9	0.0	33.2

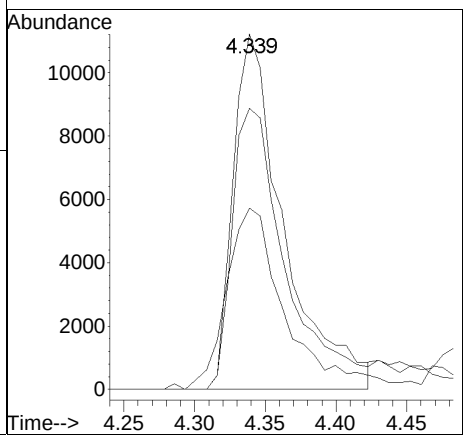


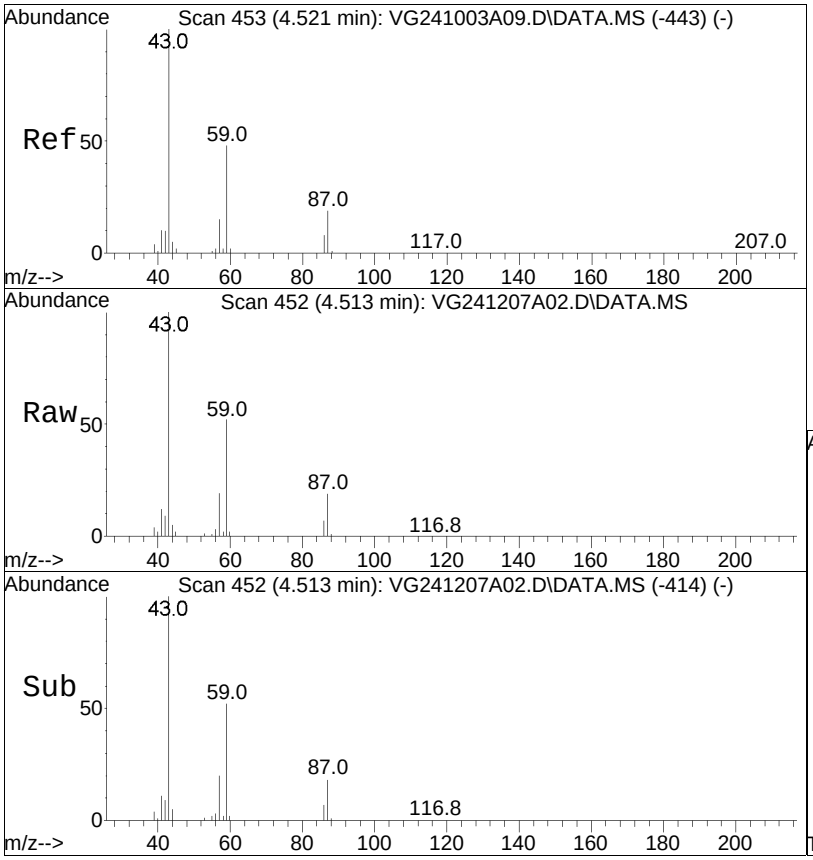


#25
Acrylonitrile
Concen: 8.79 ug/L
RT: 4.339 min Scan# 429
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 53 Resp: 28138

Ion	Ratio	Lower	Upper
53	100		
52	83.2	68.3	102.5
51	59.0	51.9	77.9

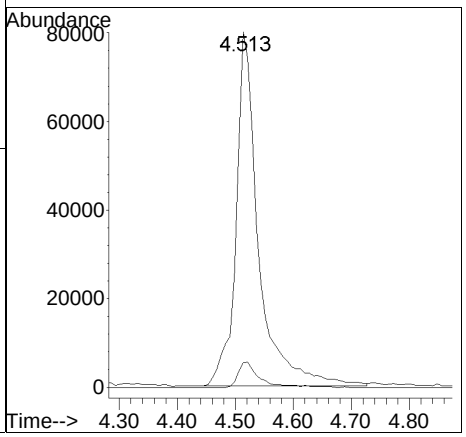


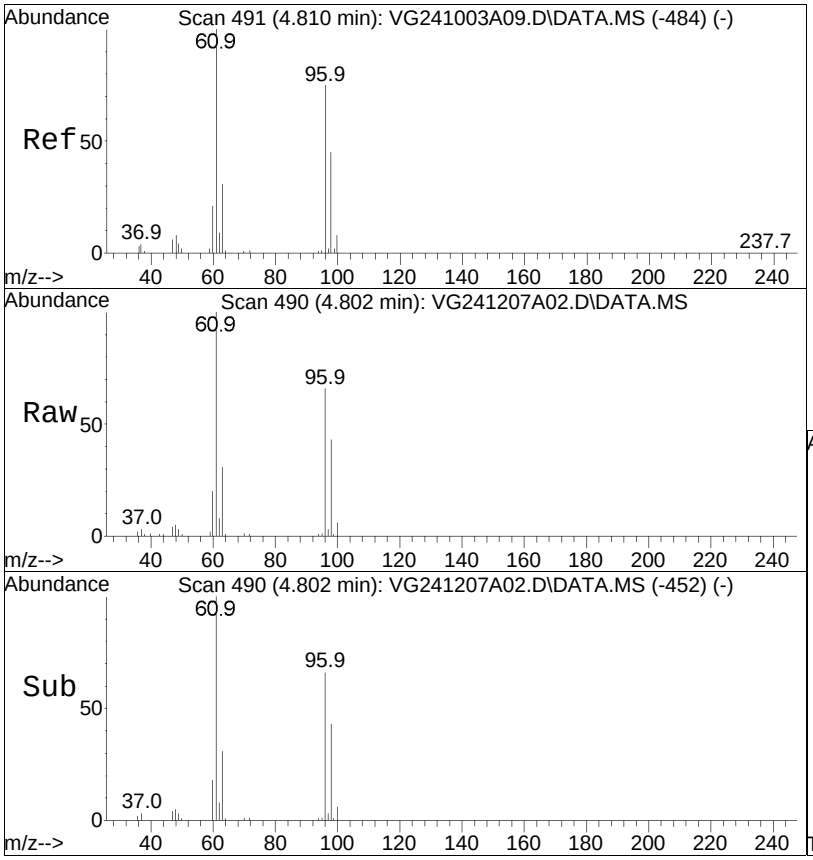


#27
Vinyl acetate
Concen: 8.96 ug/L
RT: 4.513 min Scan# 452
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 43 Resp: 217697

Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.3	9.5

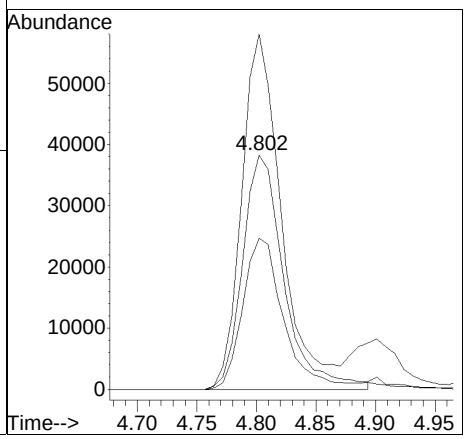


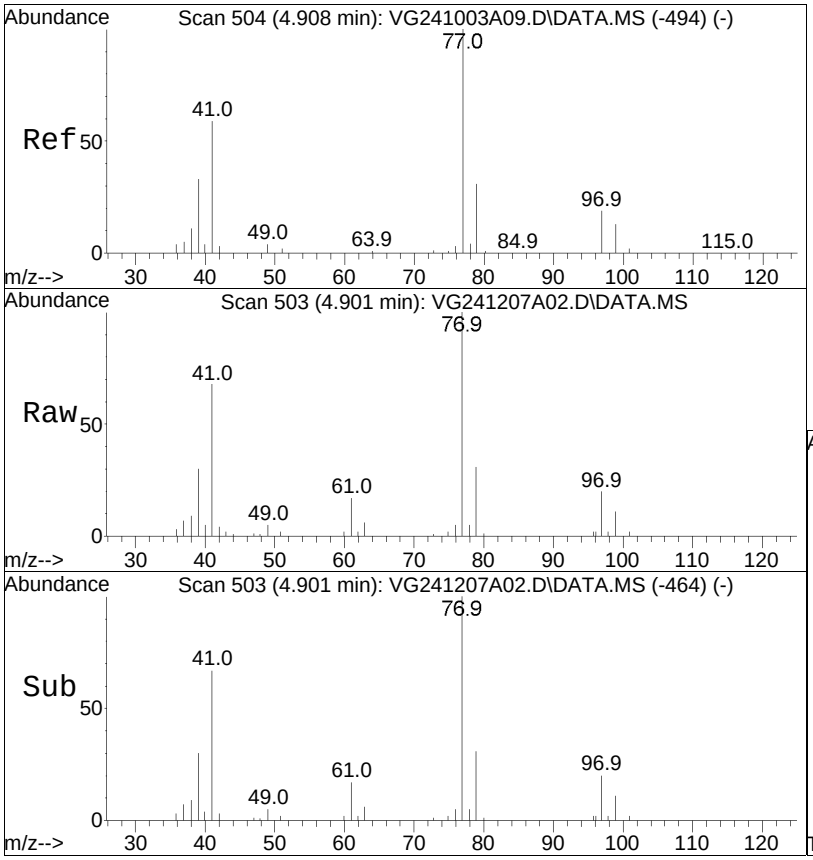


#28
cis-1,2-Dichloroethene
Concen: 8.94 ug/L
RT: 4.802 min Scan# 490
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 96 Resp: 92634

Ion	Ratio	Lower	Upper
96	100		
61	145.3	96.6	144.8#
98	66.5	51.3	76.9

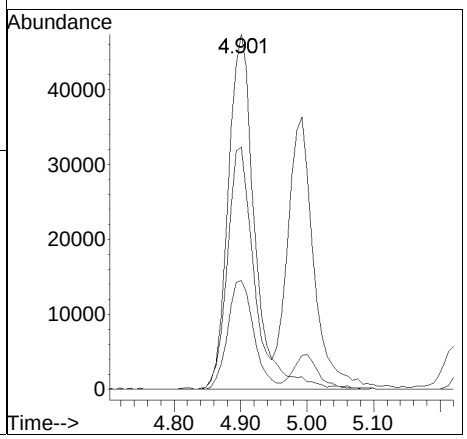


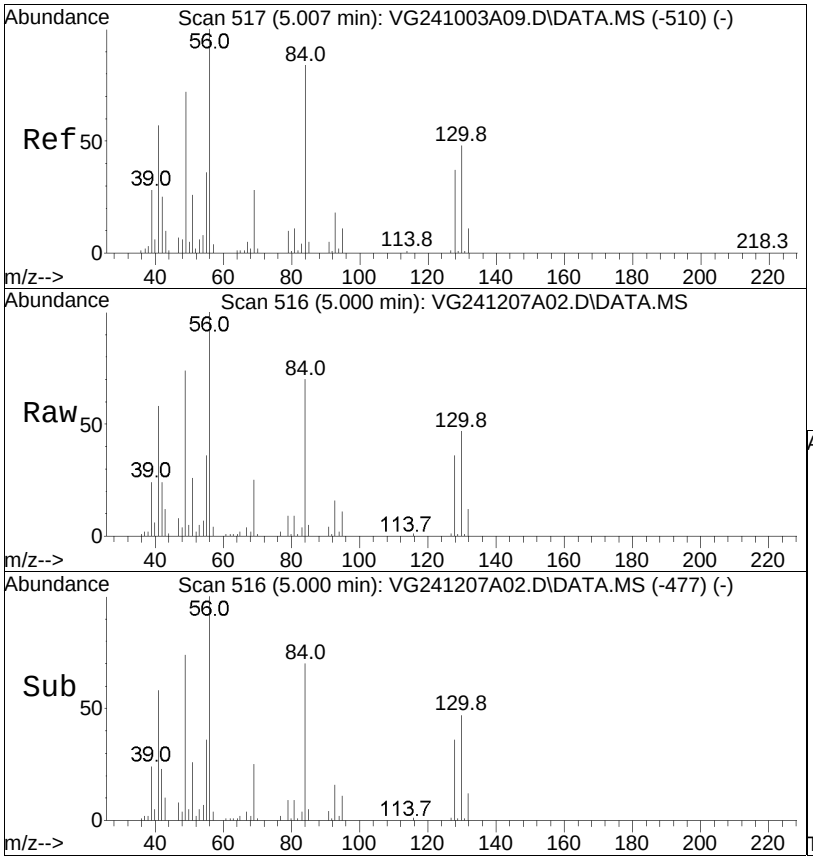


#29
2,2-Dichloropropane
Concen: 11.39 ug/L
RT: 4.901 min Scan# 503
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 77 Resp: 131223

Ion	Ratio	Lower	Upper
77	100		
41	65.4	38.1	79.1
79	30.3	20.6	42.8

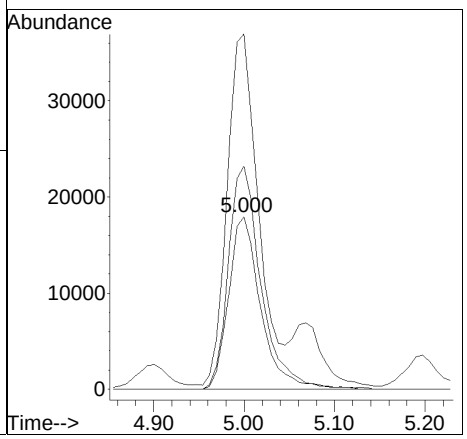


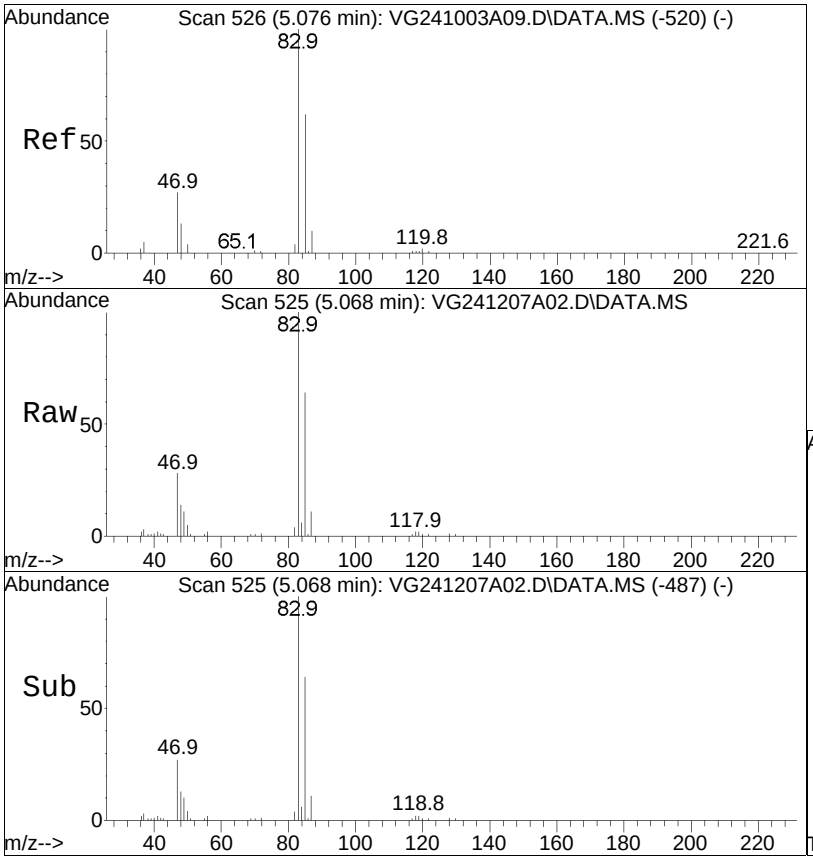


#30
Bromochloromethane
Concen: 9.46 ug/L
RT: 5.000 min Scan# 516
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:128 Resp: 44585

Ion	Ratio	Lower	Upper
128	100		
49	197.5	112.7	169.1#
130	131.4	103.3	154.9

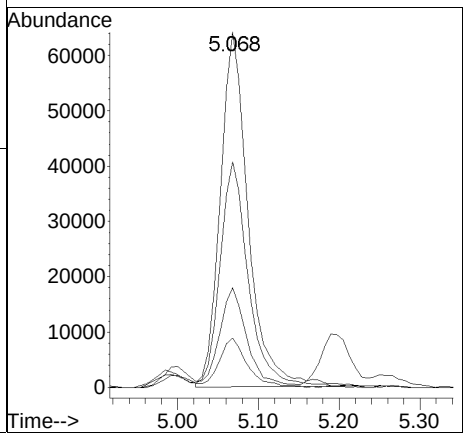


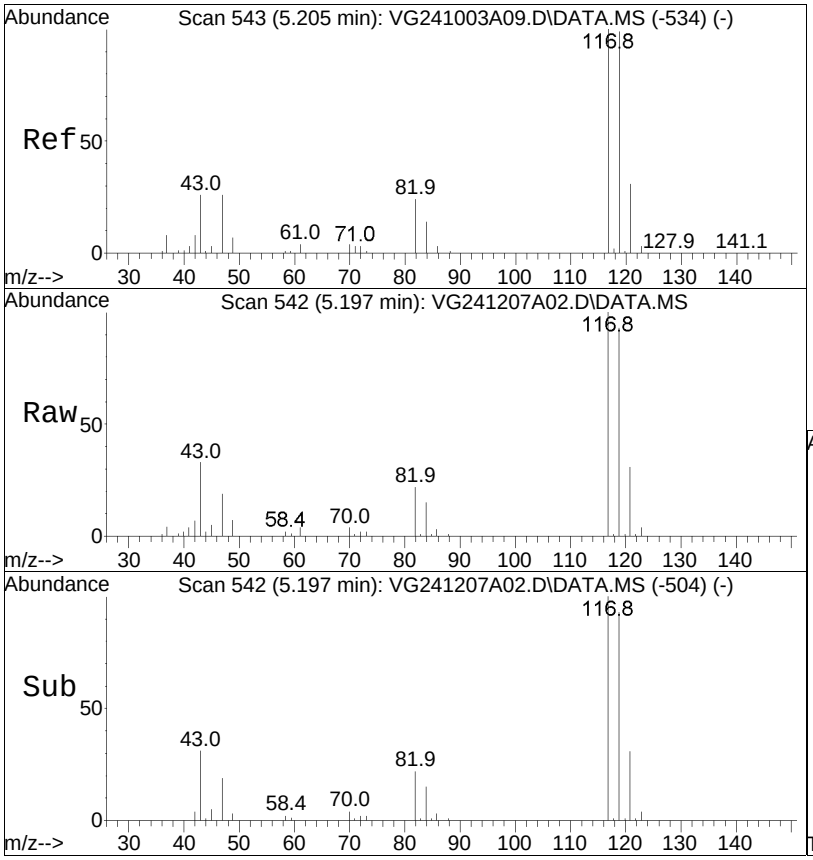


#32
Chloroform
Concen: 9.23 ug/L
RT: 5.068 min Scan# 525
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 83 Resp: 154930

Ion	Ratio	Lower	Upper
83	100		
85	63.5	41.4	86.0
47	28.0	15.1	31.3
48	13.9	7.7	16.1

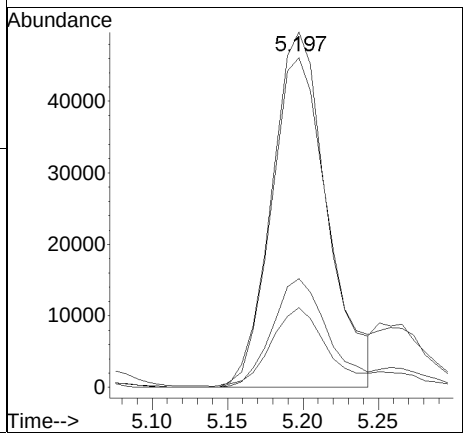


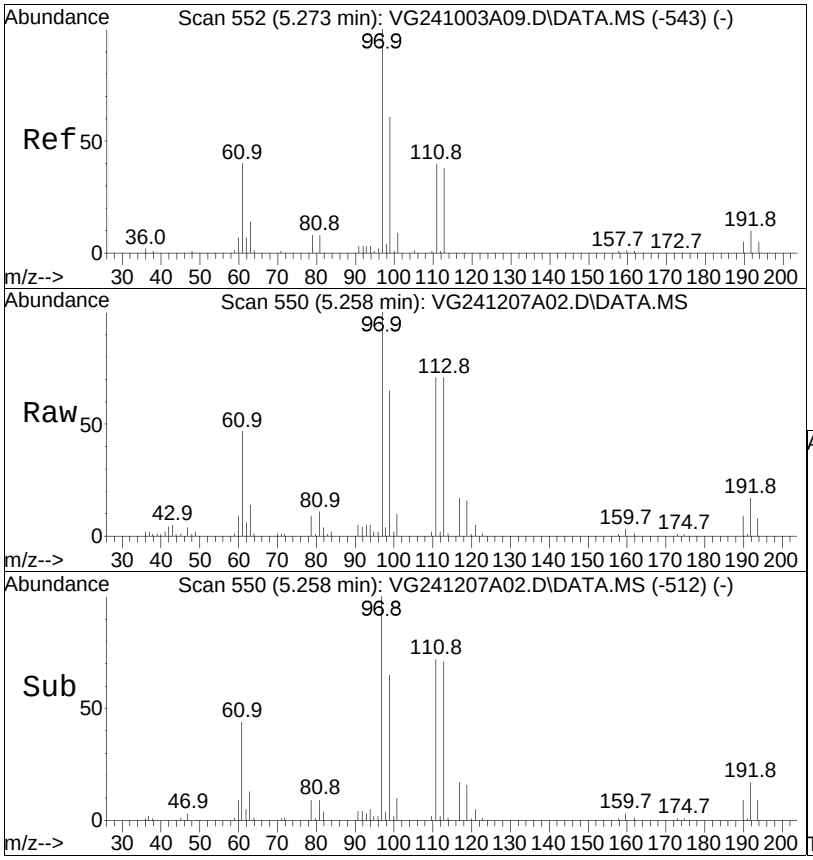


#34
Carbon tetrachloride
Concen: 9.95 ug/L
RT: 5.197 min Scan# 542
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:117 Resp: 127333

Ion	Ratio	Lower	Upper
117	100		
119	95.5	63.2	131.2
121	30.7	20.4	42.4
82	22.8	15.4	32.0

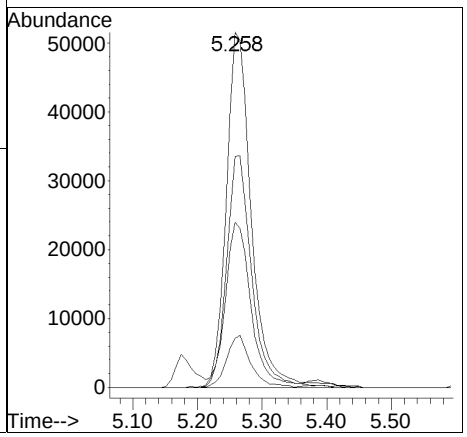


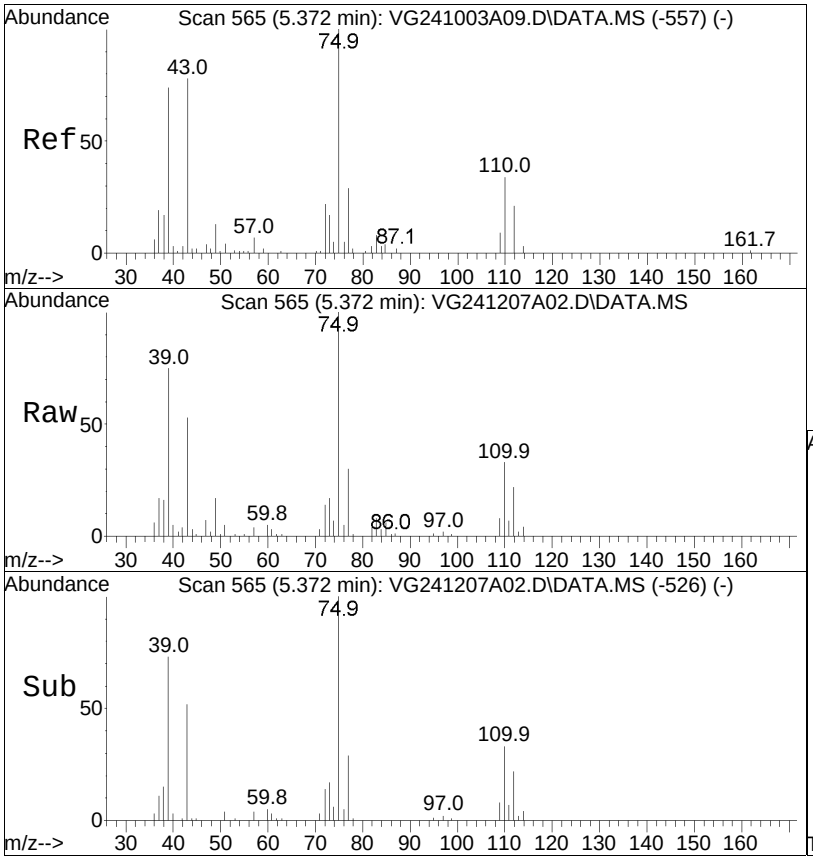


#37
1,1,1-Trichloroethane
Concen: 9.48 ug/L
RT: 5.258 min Scan# 550
Delta R.T. -0.015 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 97 Resp: 140293

Ion	Ratio	Lower	Upper
97	100		
99	65.2	41.3	85.7
61	47.2	26.0	54.0
63	14.0	8.6	18.0

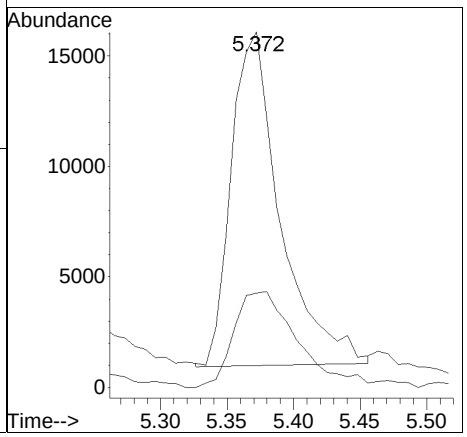


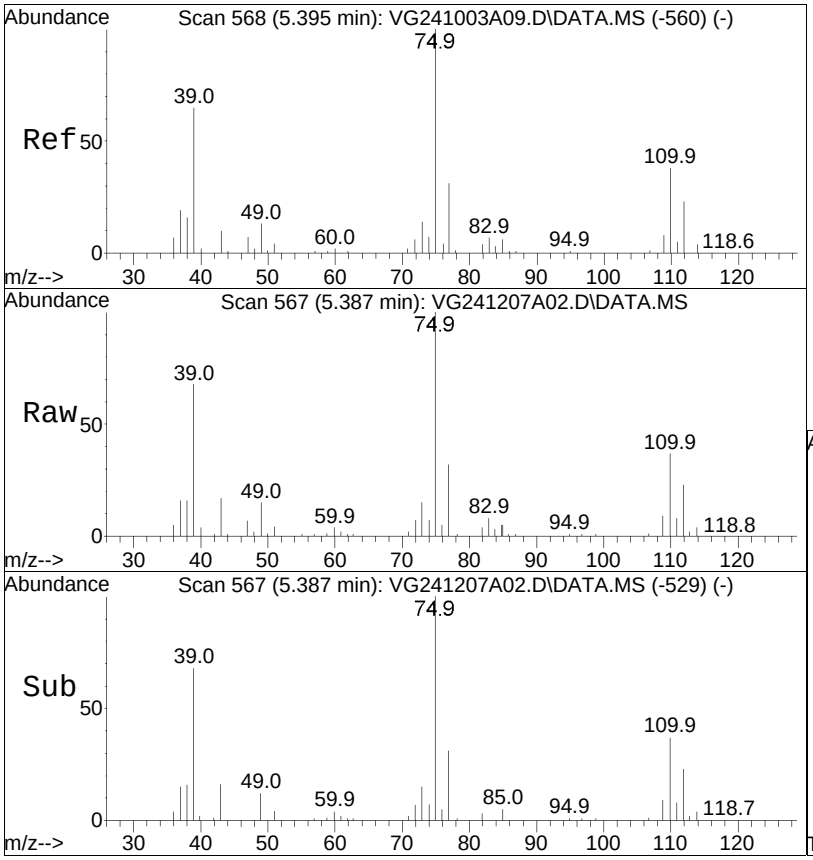


#39
2-Butanone
Concen: 9.89 ug/L
RT: 5.372 min Scan# 565
Delta R.T. -0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 43 Resp: 38687

Ion	Ratio	Lower	Upper
43	100		
72	37.4	42.6	63.8#

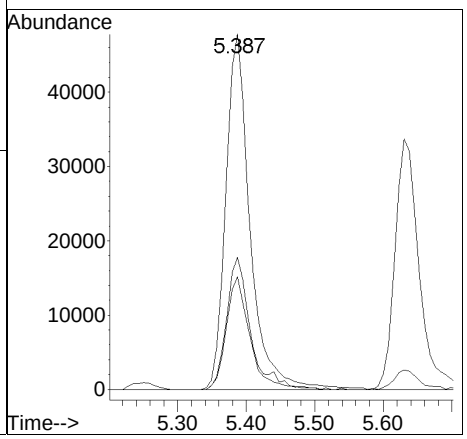


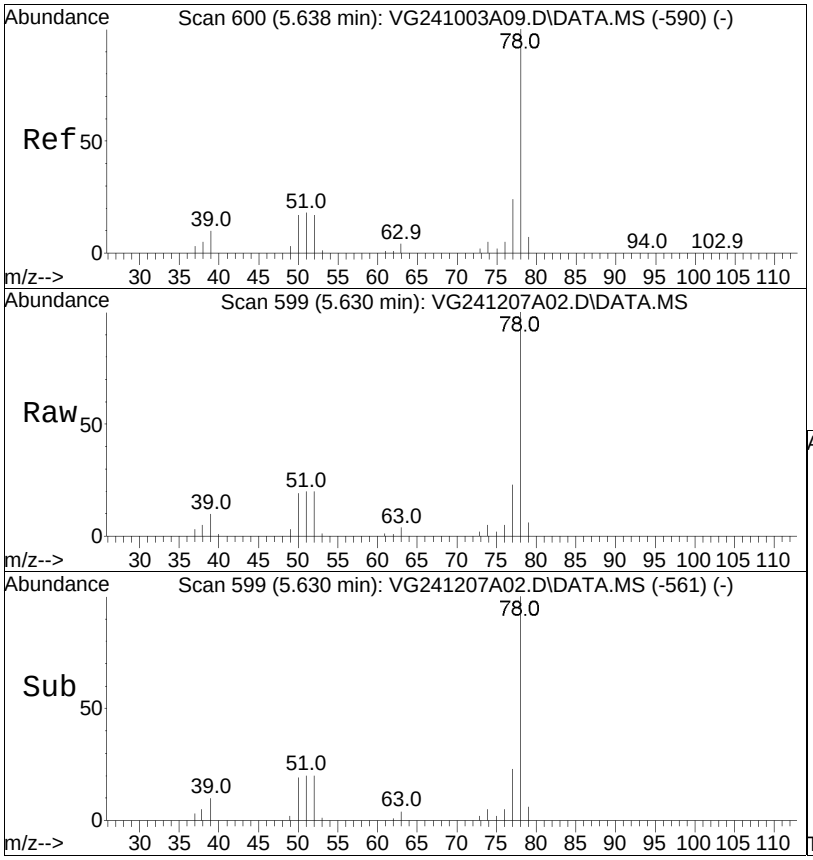


#40
1,1-Dichloropropene
Concen: 9.49 ug/L
RT: 5.387 min Scan# 567
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 75 Resp: 117872

Ion	Ratio	Lower	Upper
75	100		
110	36.7	24.1	50.1
77	30.6	19.8	41.0

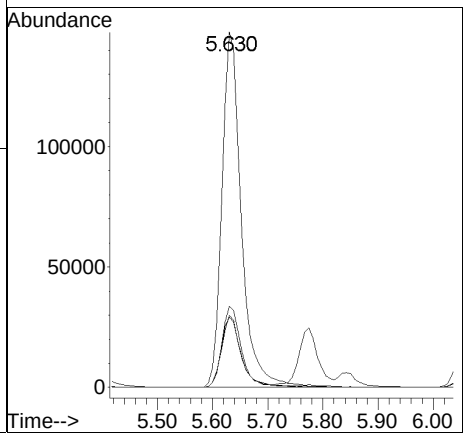


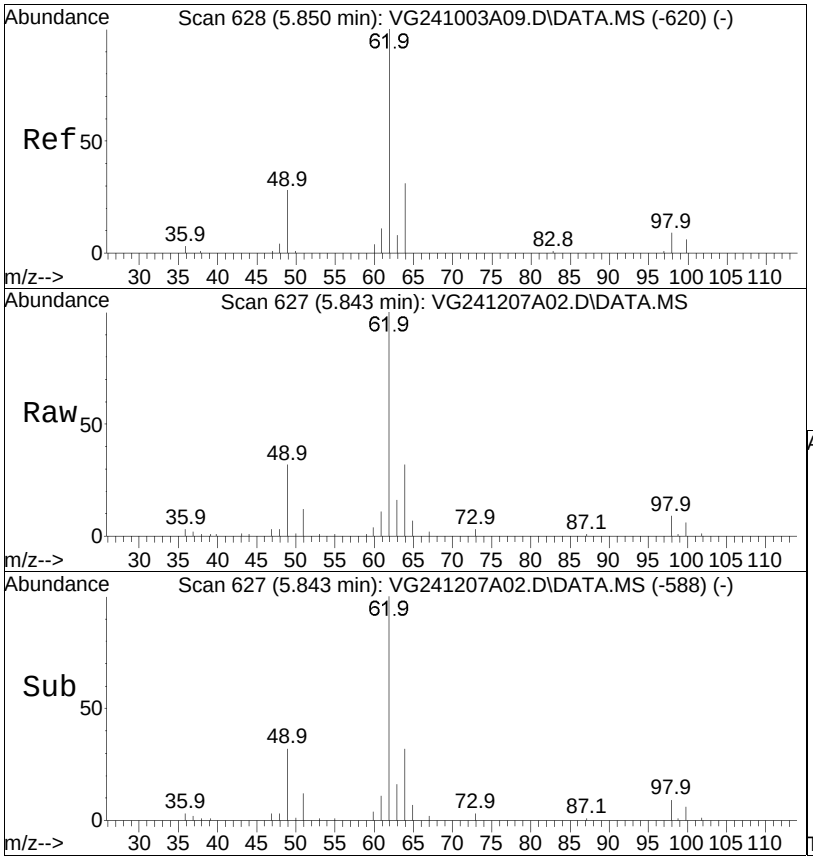


#41
Benzene
Concen: 9.42 ug/L
RT: 5.630 min Scan# 599
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 78 Resp: 363717

Ion	Ratio	Lower	Upper
78	100		
77	22.9	15.5	32.1
51	19.9	9.9	20.7
52	20.6	9.2	19.2#

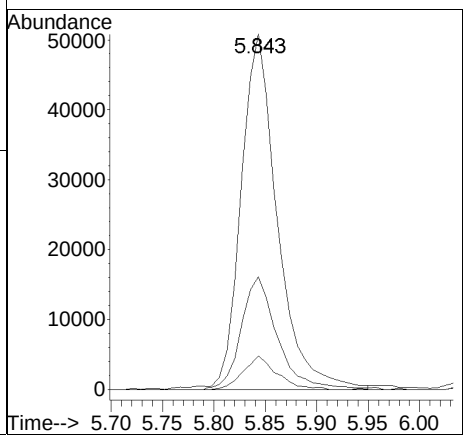


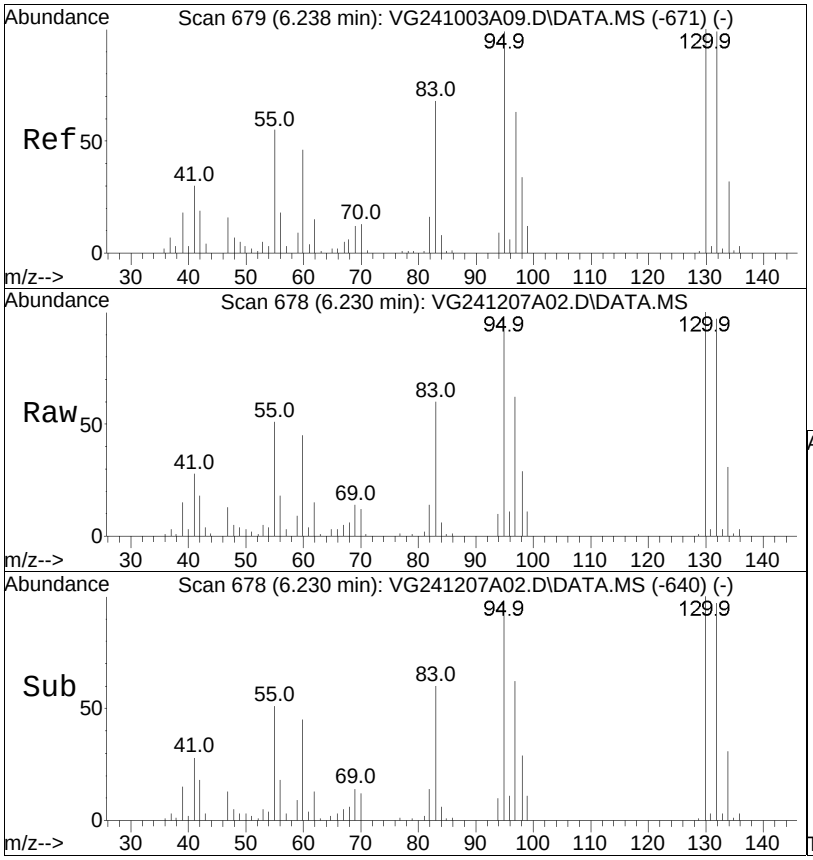


#44
1,2-Dichloroethane
Concen: 9.51 ug/L
RT: 5.843 min Scan# 627
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 62 Resp: 124447

Ion	Ratio	Lower	Upper
62	100		
64	32.4	11.9	51.9
98	8.7	0.0	29.3

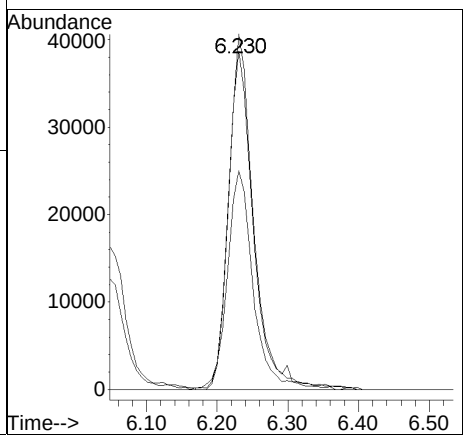


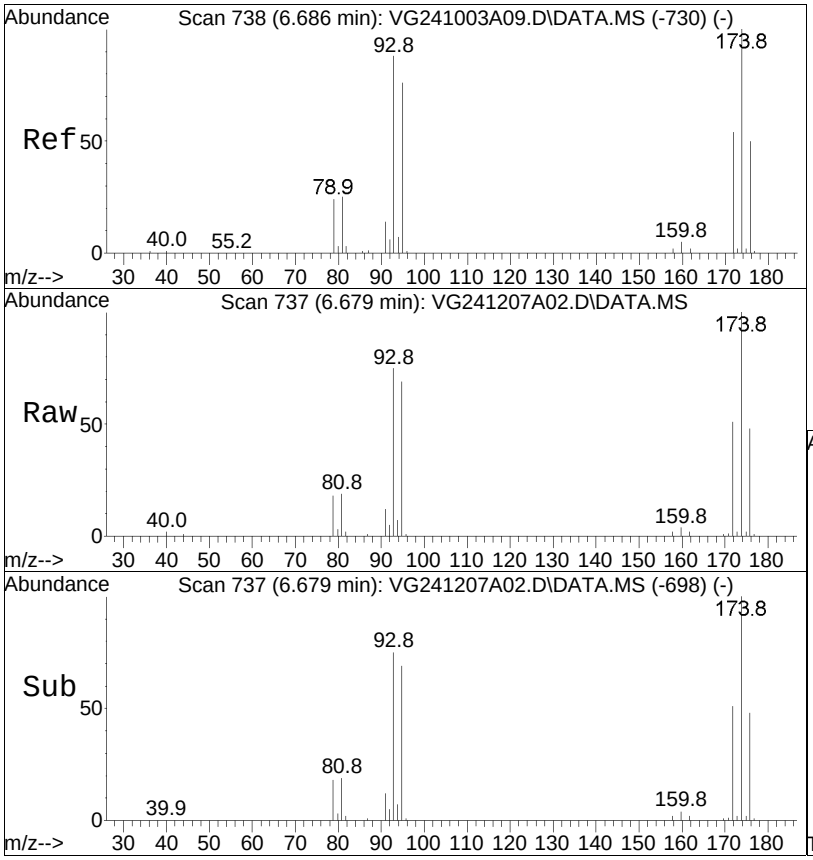


#48
Trichloroethene
Concen: 9.29 ug/L
RT: 6.230 min Scan# 678
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 95 Resp: 96355

Ion	Ratio	Lower	Upper
95	100		
97	66.0	54.0	81.0
130	103.4	85.0	127.4

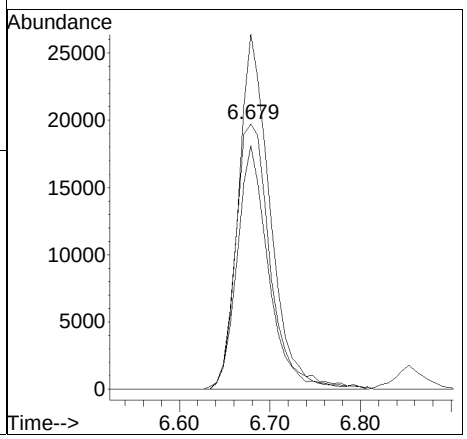


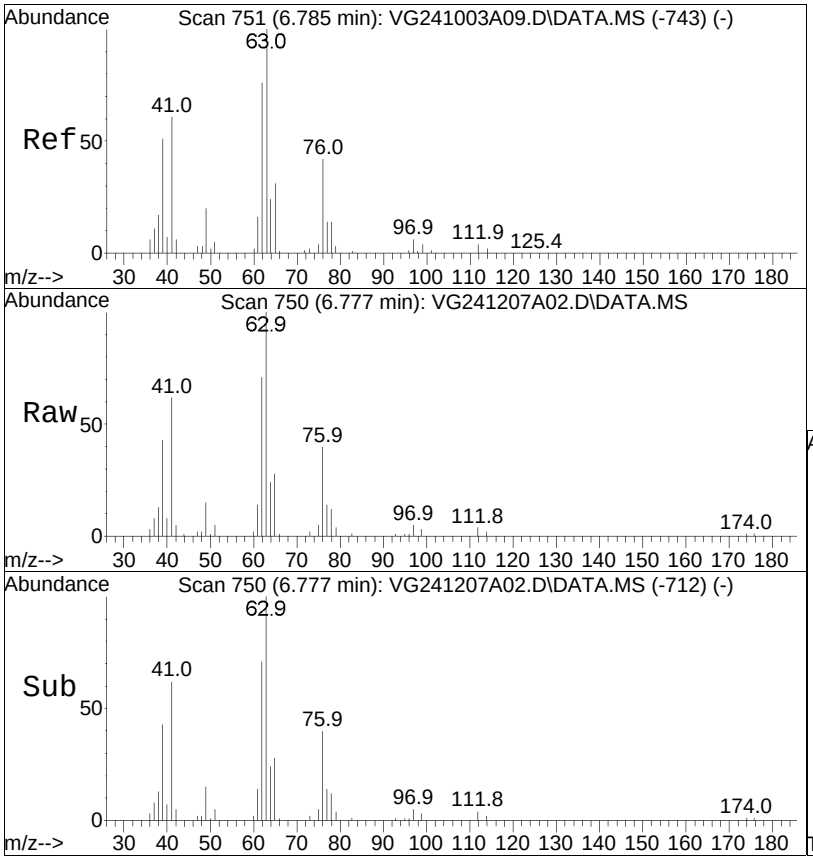


#50
Dibromomethane
Concen: 8.88 ug/L
RT: 6.679 min Scan# 737
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 93 Resp: 52402

Ion	Ratio	Lower	Upper
93	100		
95	84.0	66.6	100.0
174	123.1	90.5	135.7

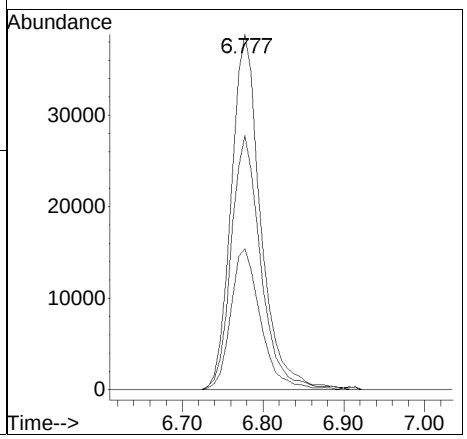


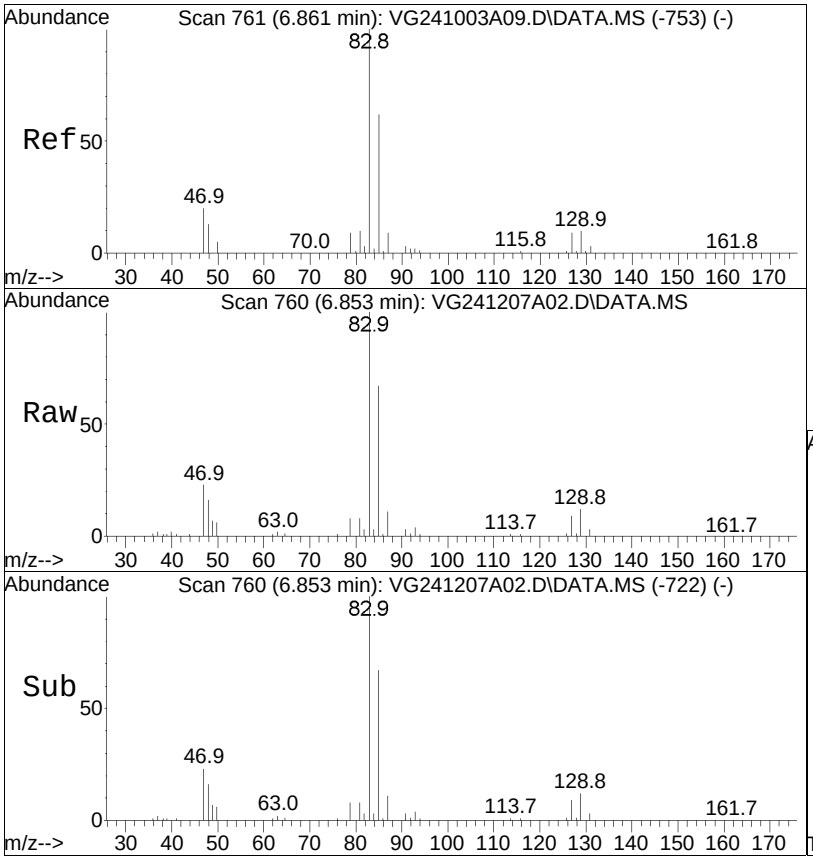


#51
1,2-Dichloropropane
Concen: 9.82 ug/L
RT: 6.777 min Scan# 750
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 63 Resp: 98441

Ion	Ratio	Lower	Upper
63	100		
62	72.0	56.5	84.7
76	40.1	34.6	52.0

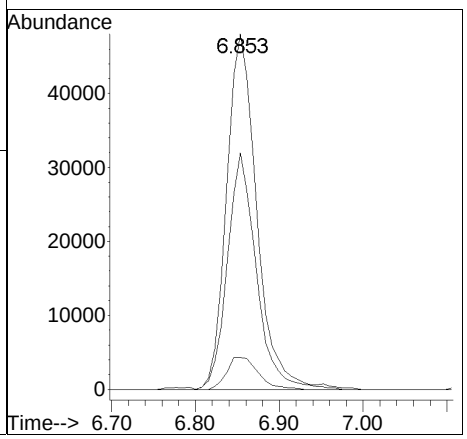


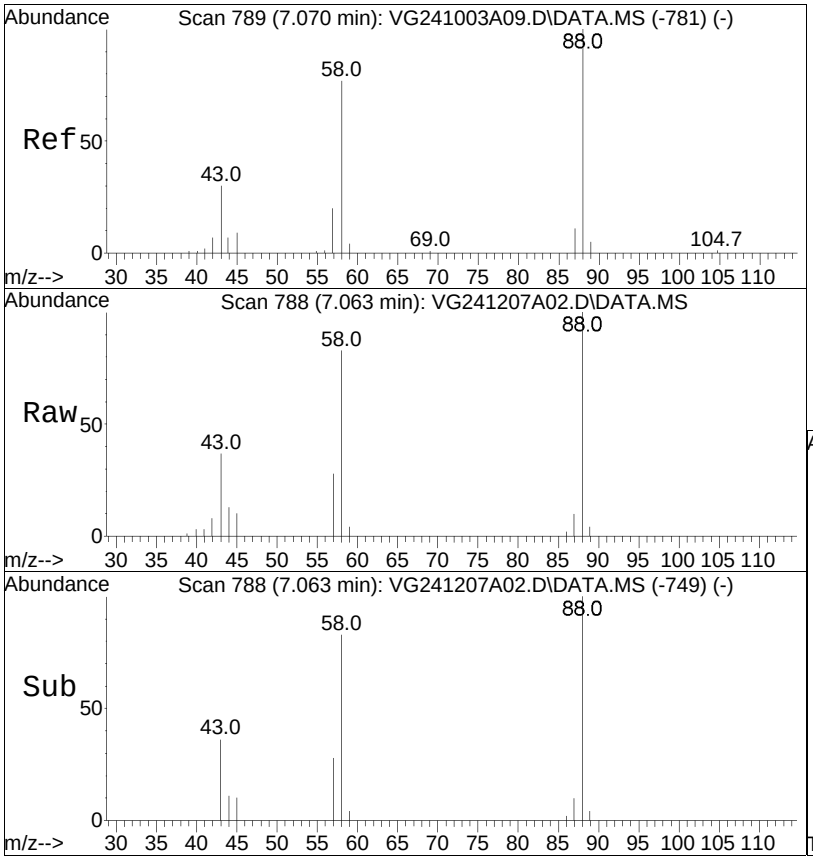


#54
Bromodichloromethane
Concen: 8.94 ug/L
RT: 6.853 min Scan# 760
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 83 Resp: 120795

Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	9.4	7.4	11.2

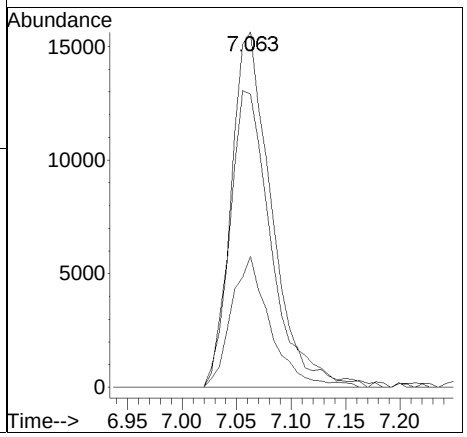


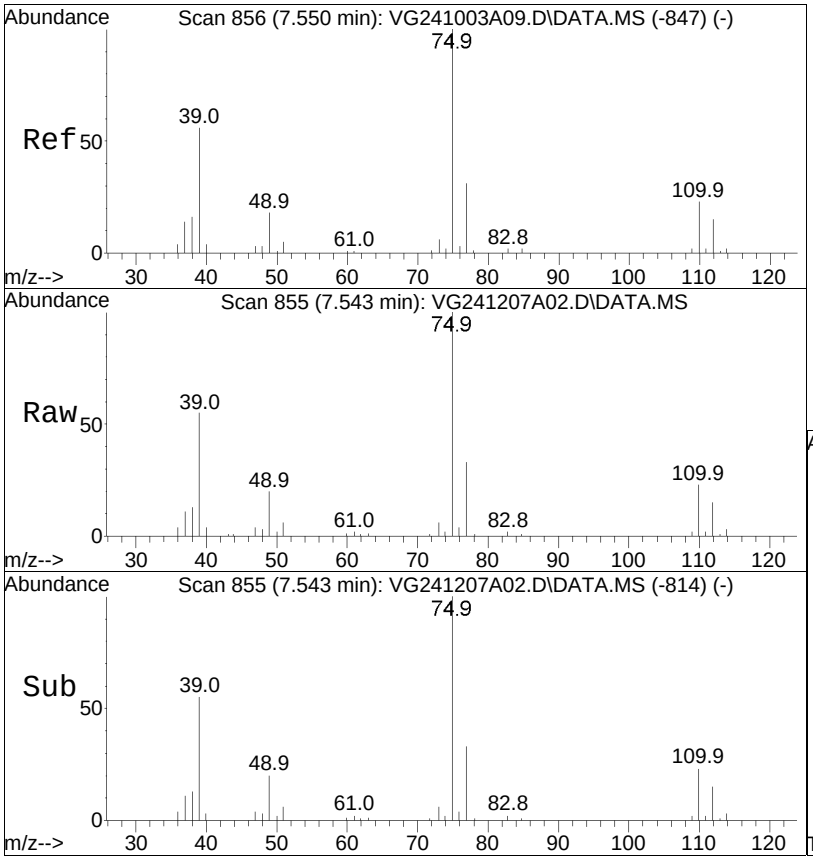


#57
1,4-Dioxane
Concen: 403.75 ug/L
RT: 7.063 min Scan# 788
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 88 Resp: 40661

Ion	Ratio	Lower	Upper
88	100		
58	84.8	48.7	73.1#
43	35.6	22.4	33.6#

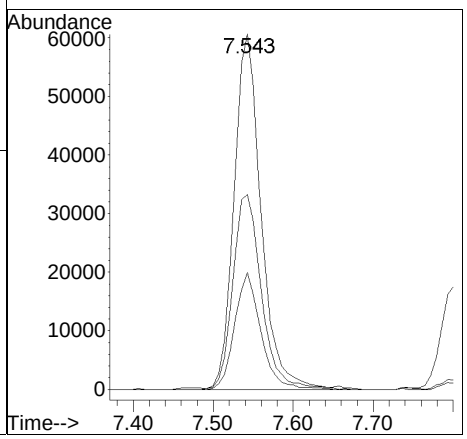


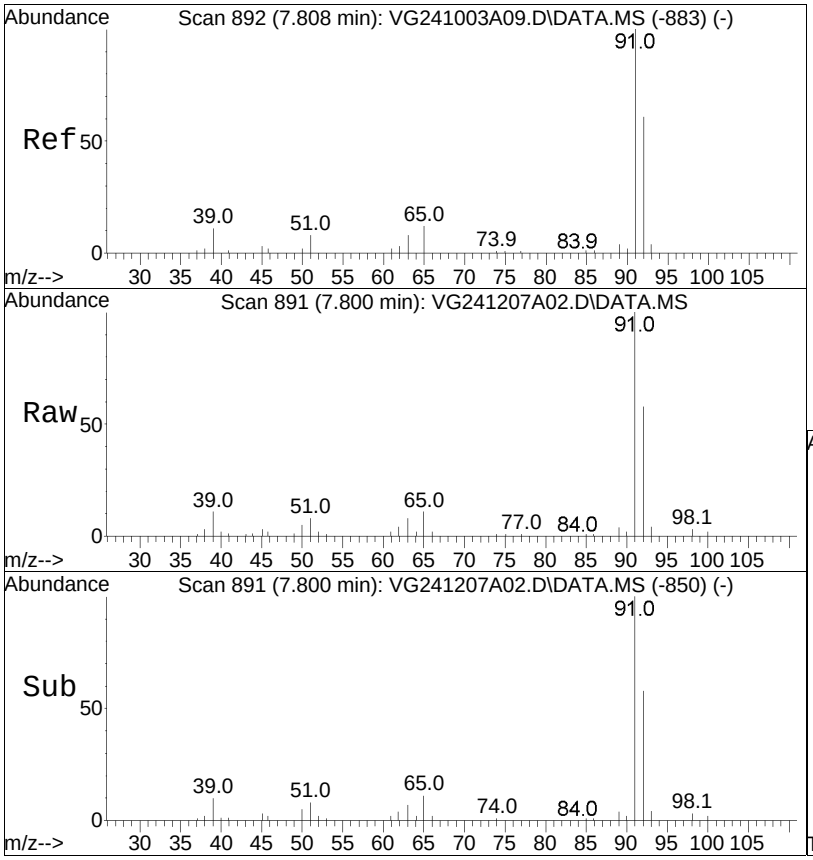


#58
cis-1,3-Dichloropropene
Concen: 9.33 ug/L
RT: 7.543 min Scan# 855
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 75 Resp: 142856

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	36.8
39	57.8	40.8	61.2

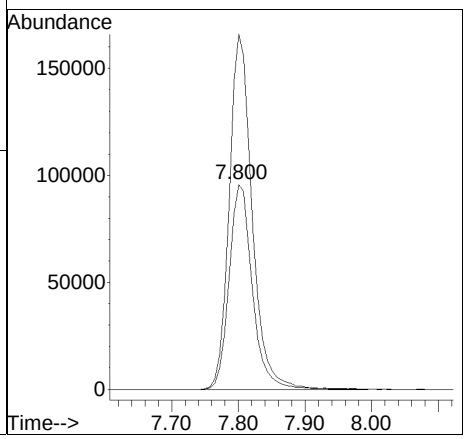


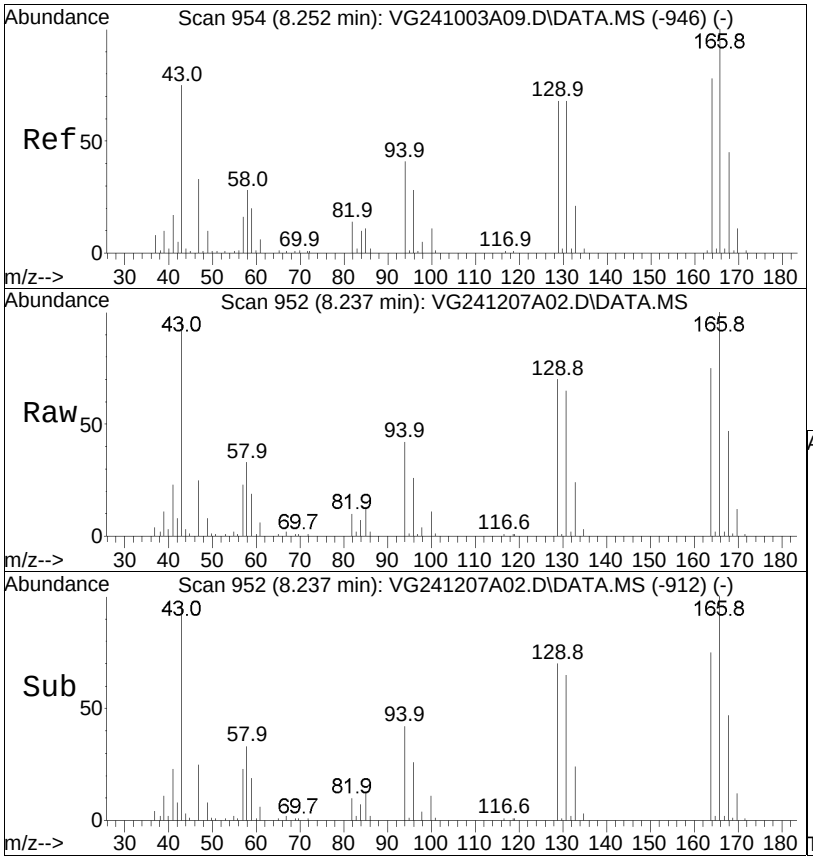


#61
Toluene
Concen: 9.19 ug/L
RT: 7.800 min Scan# 891
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 92 Resp: 232195

Ion	Ratio	Lower	Upper
92	100		
91	170.4	134.8	202.2

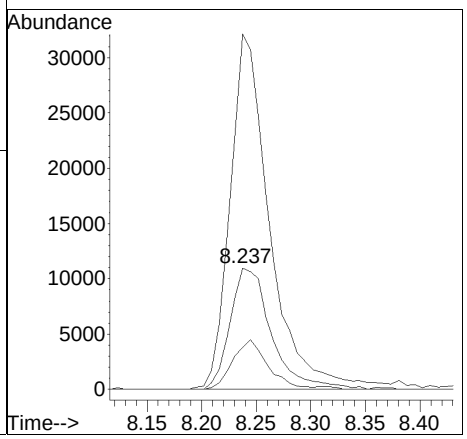


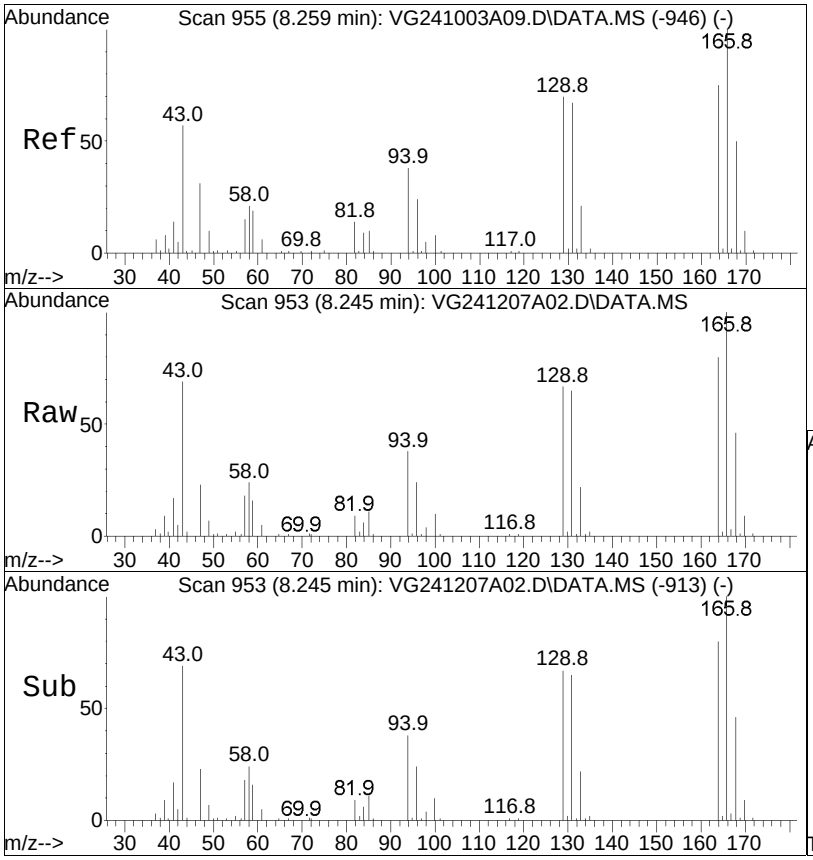


#62
4-Methyl-2-pentanone
Concen: 8.20 ug/L
RT: 8.237 min Scan# 952
Delta R.T. -0.015 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 58 Resp: 29000

Ion	Ratio	Lower	Upper
58	100		
100	34.8	33.6	50.4
43	281.3	204.3	306.5

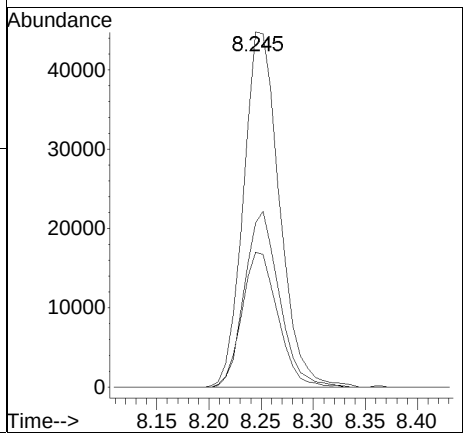


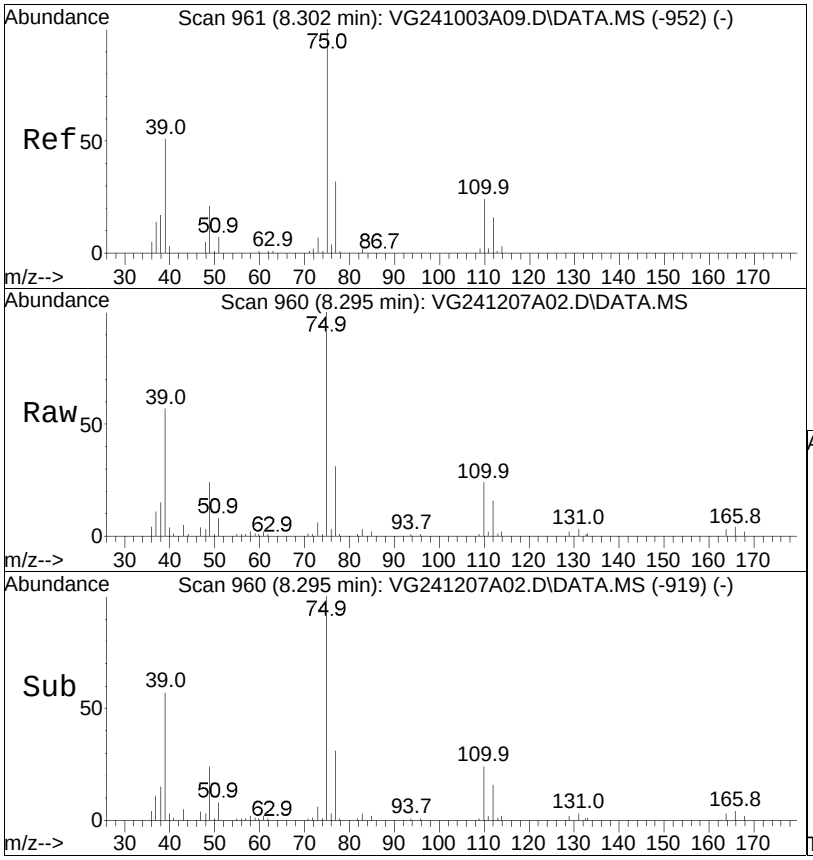


#63
Tetrachloroethene
Concen: 9.88 ug/L
RT: 8.245 min Scan# 953
Delta R.T. -0.014 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:166 Resp: 107934

Ion	Ratio	Lower	Upper
166	100		
168	47.8	27.3	67.3
94	38.0	20.5	60.5

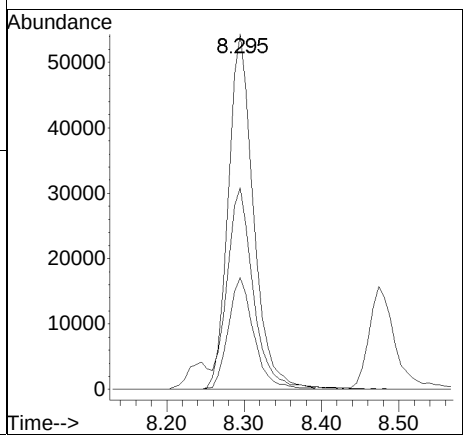


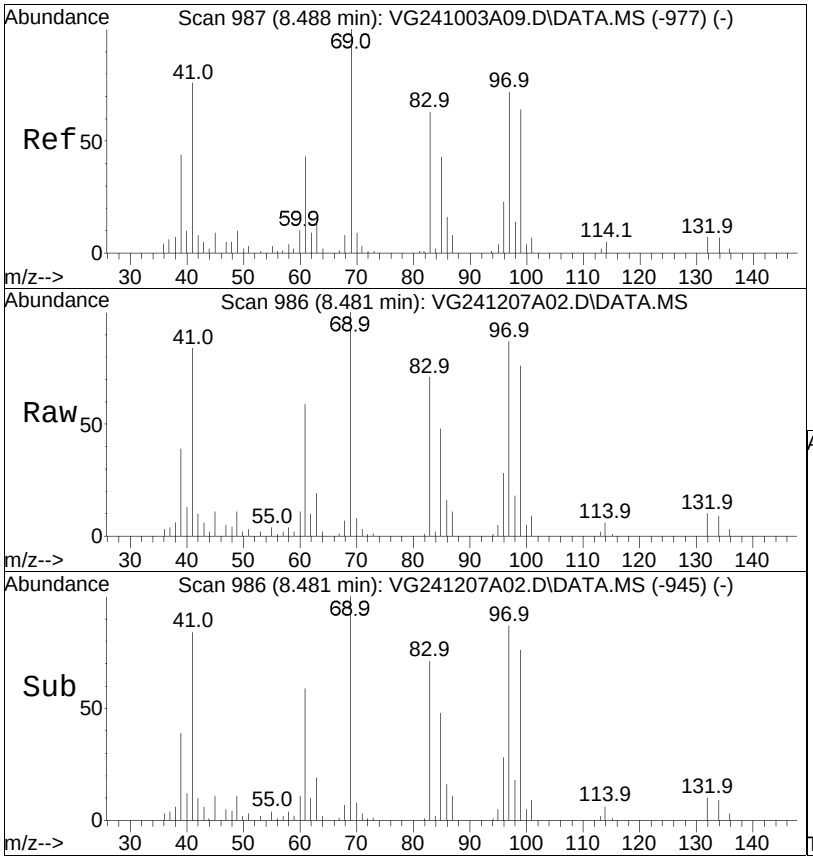


#65
trans-1,3-Dichloropropene
Concen: 8.43 ug/L
RT: 8.295 min Scan# 960
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 75 Resp: 124080

Ion	Ratio	Lower	Upper
75	100		
77	31.7	11.3	51.3
39	58.4	36.0	76.0

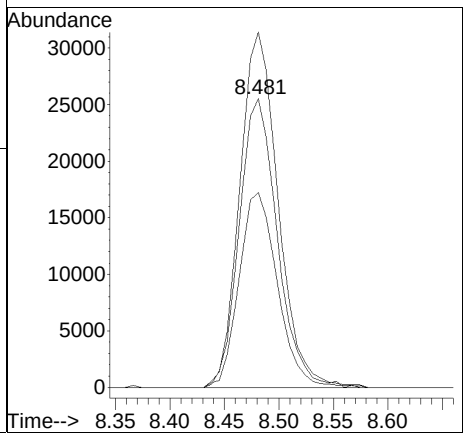


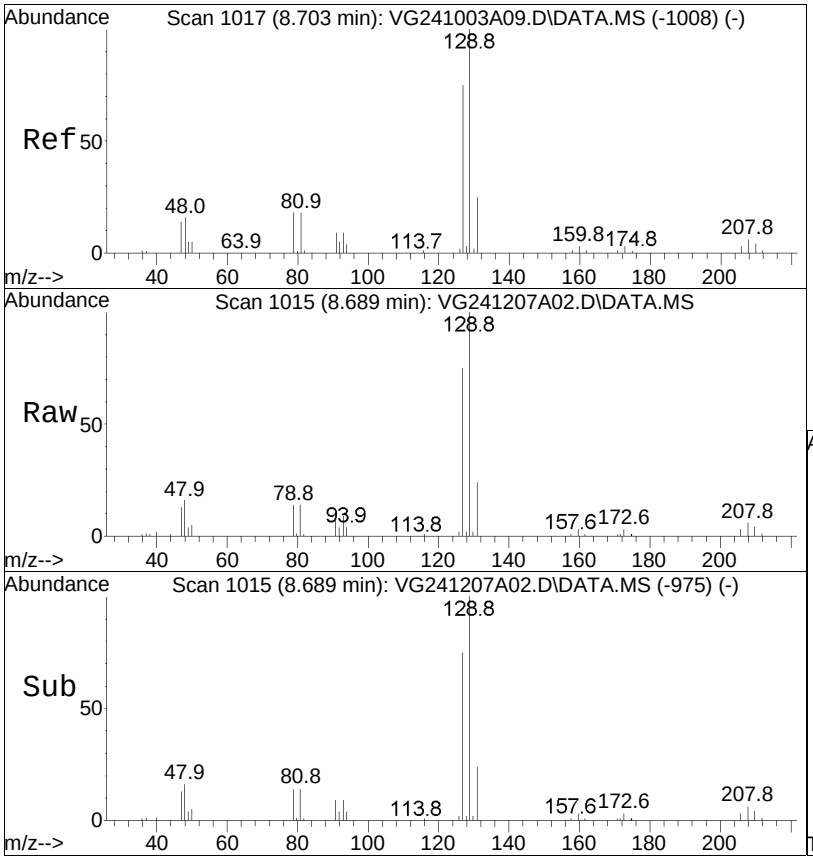


#68
1,1,2-Trichloroethane
Concen: 8.07 ug/L
RT: 8.481 min Scan# 986
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 83 Resp: 62024

Ion	Ratio	Lower	Upper
83	100		
97	124.1	101.0	141.0
85	68.2	47.9	87.9

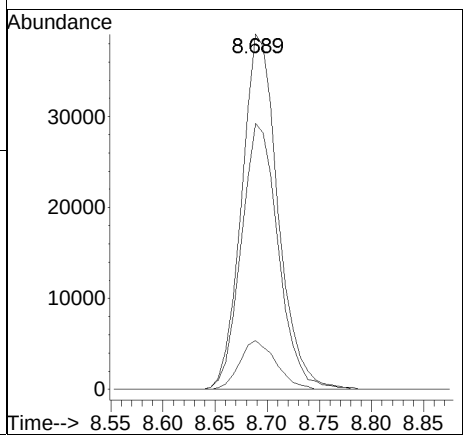


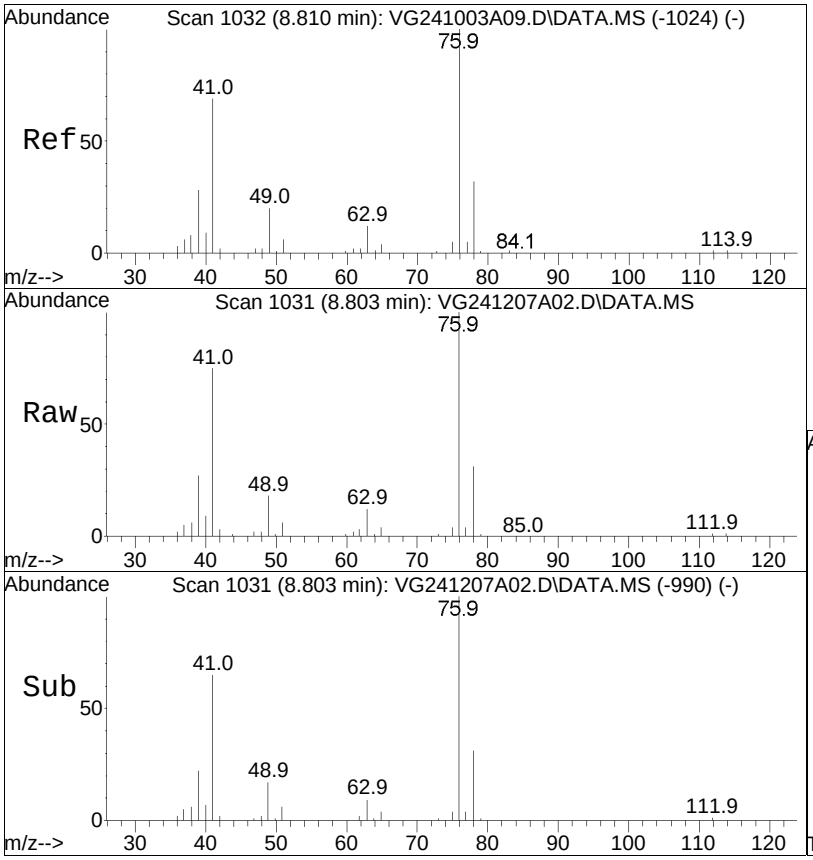


#69
Chlorodibromomethane
Concen: 8.92 ug/L
RT: 8.689 min Scan# 1015
Delta R.T. -0.014 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:129 Resp: 94792

Ion	Ratio	Lower	Upper
129	100		
81	13.7	0.0	35.0
127	76.2	57.1	97.1

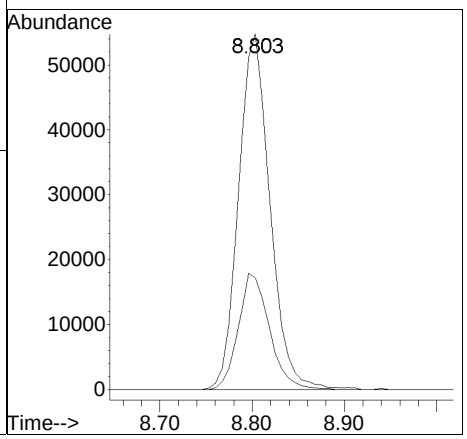


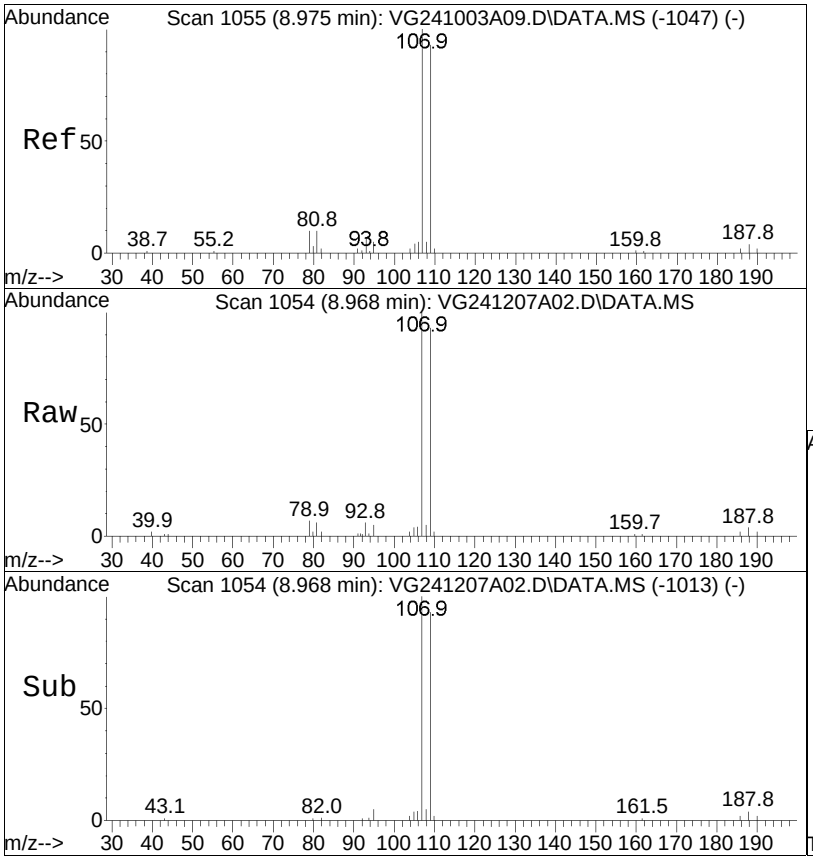


#70
1,3-Dichloropropane
Concen: 8.48 ug/L
RT: 8.803 min Scan# 1031
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 76 Resp: 129428

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.4	38.2

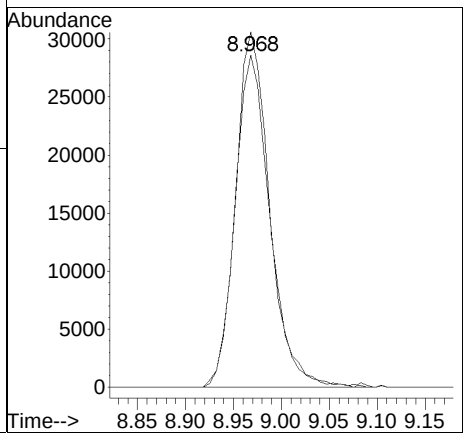


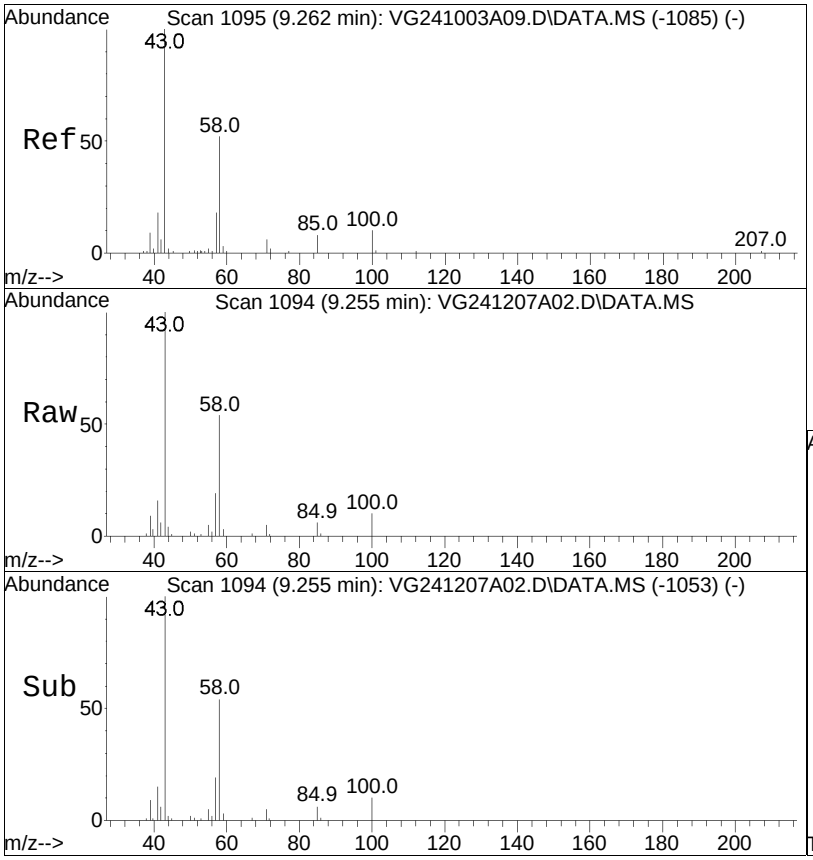


#71
1,2-Dibromoethane
Concen: 8.37 ug/L
RT: 8.968 min Scan# 1054
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:107 Resp: 76070

Ion	Ratio	Lower	Upper
107	100		
109	94.6	76.0	114.0

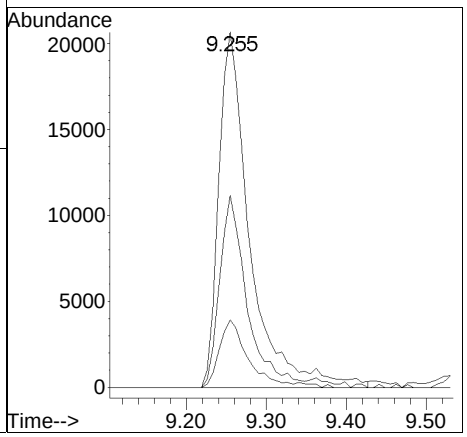


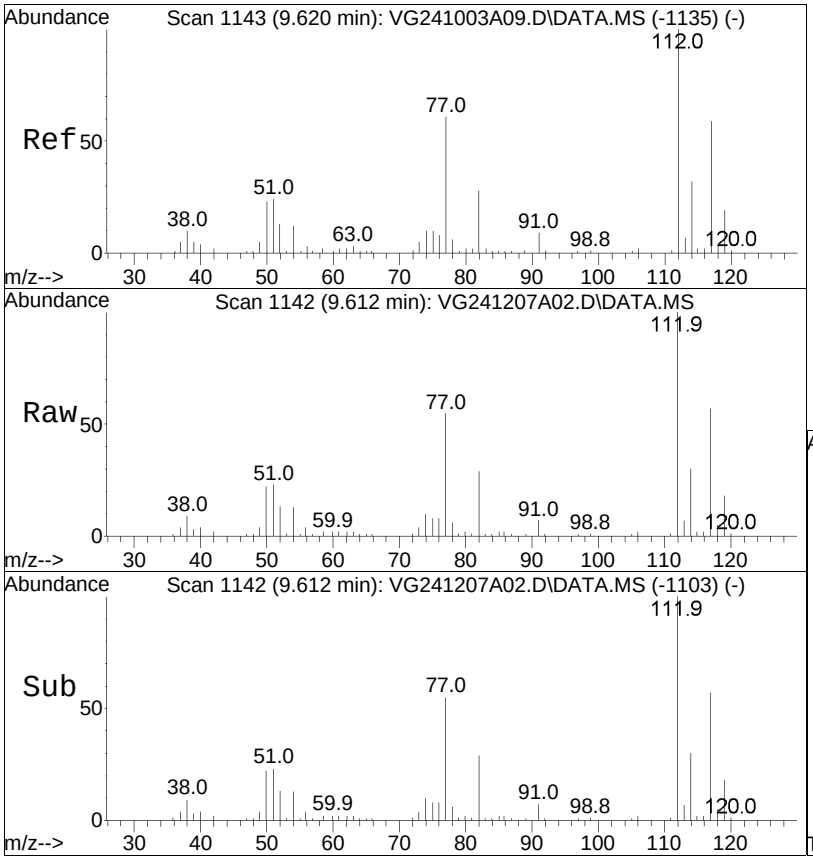


#72
2-Hexanone
Concen: 8.85 ug/L
RT: 9.255 min Scan# 1094
Delta R.T. -0.007 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 43 Resp: 55993

Ion	Ratio	Lower	Upper
43	100		
58	47.4	43.8	65.6
57	17.3	15.2	22.8

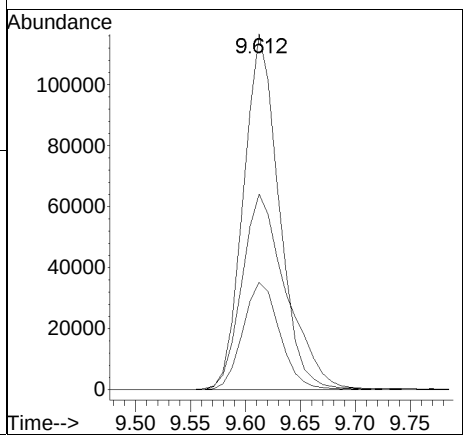


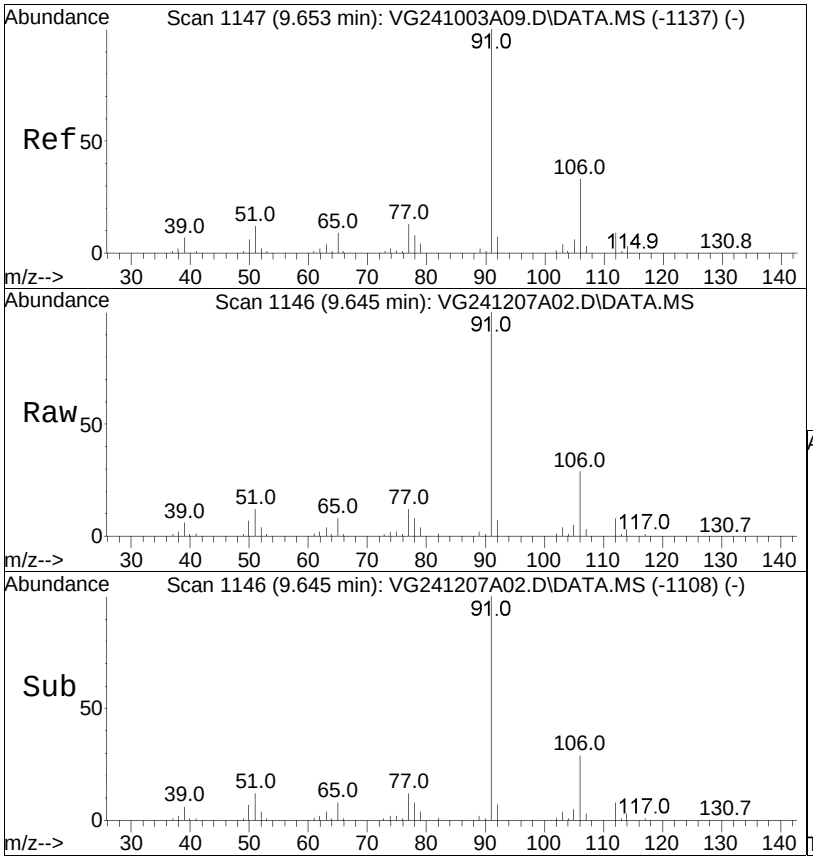


#73
Chlorobenzene
Concen: 9.61 ug/L
RT: 9.612 min Scan# 1142
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:112 Resp: 260823

Ion	Ratio	Lower	Upper
112	100		
77	69.5	55.9	83.9
114	31.4	25.4	38.0

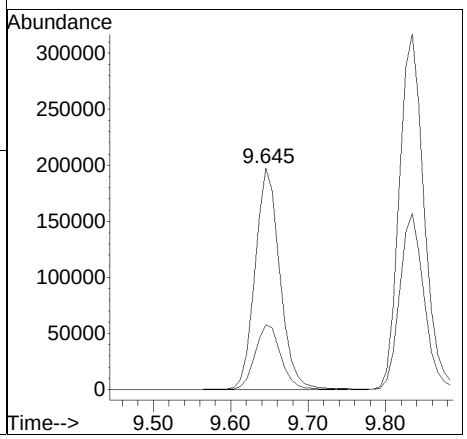


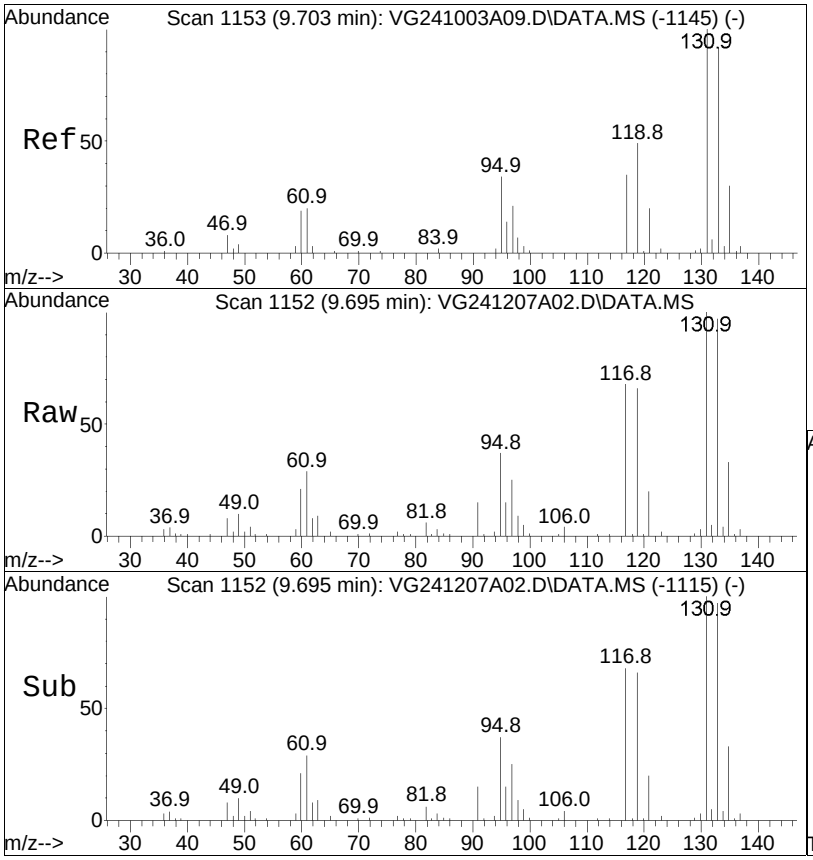


#74
Ethylbenzene
Concen: 9.04 ug/L
RT: 9.645 min Scan# 1146
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 91 Resp: 438830

Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.3	37.9

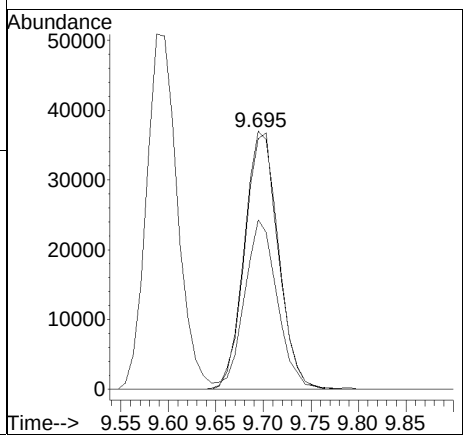


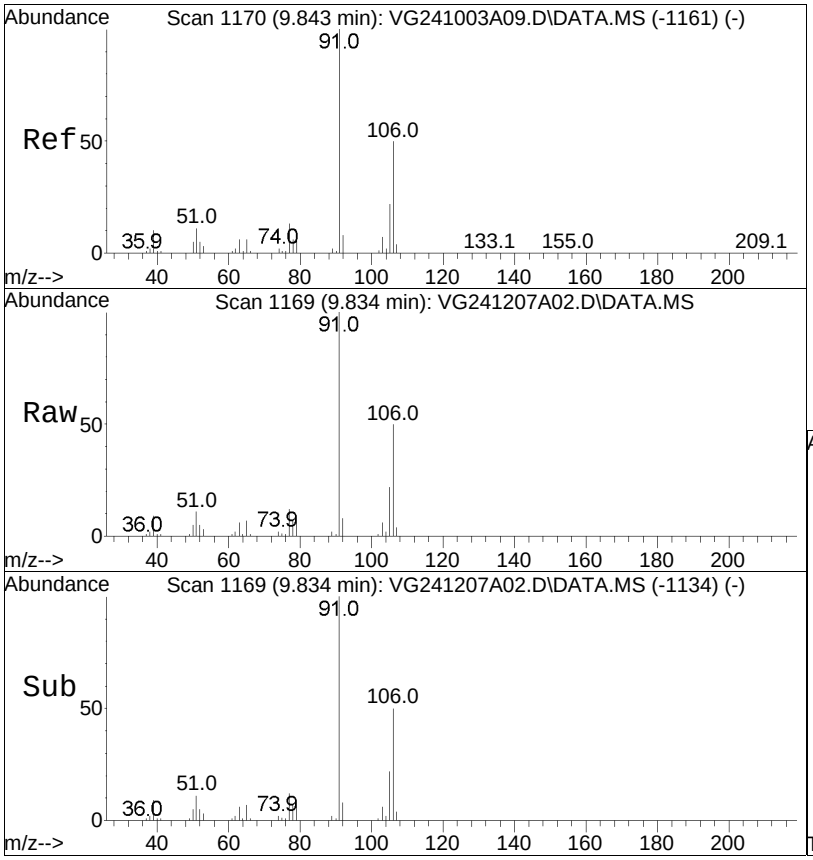


#75
1,1,1,2-Tetrachloroethane
Concen: 8.91 ug/L
RT: 9.695 min Scan# 1152
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:131 Resp: 92748

Ion	Ratio	Lower	Upper
131	100		
133	97.5	77.3	117.3
119	62.9	42.7	82.7

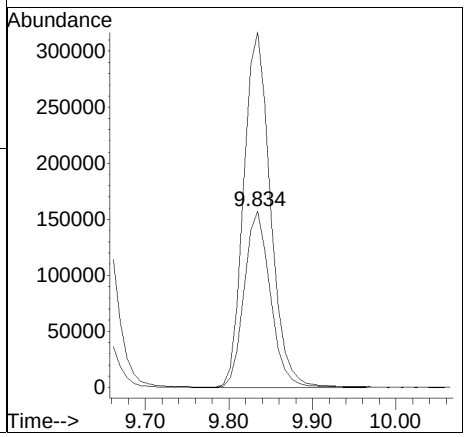


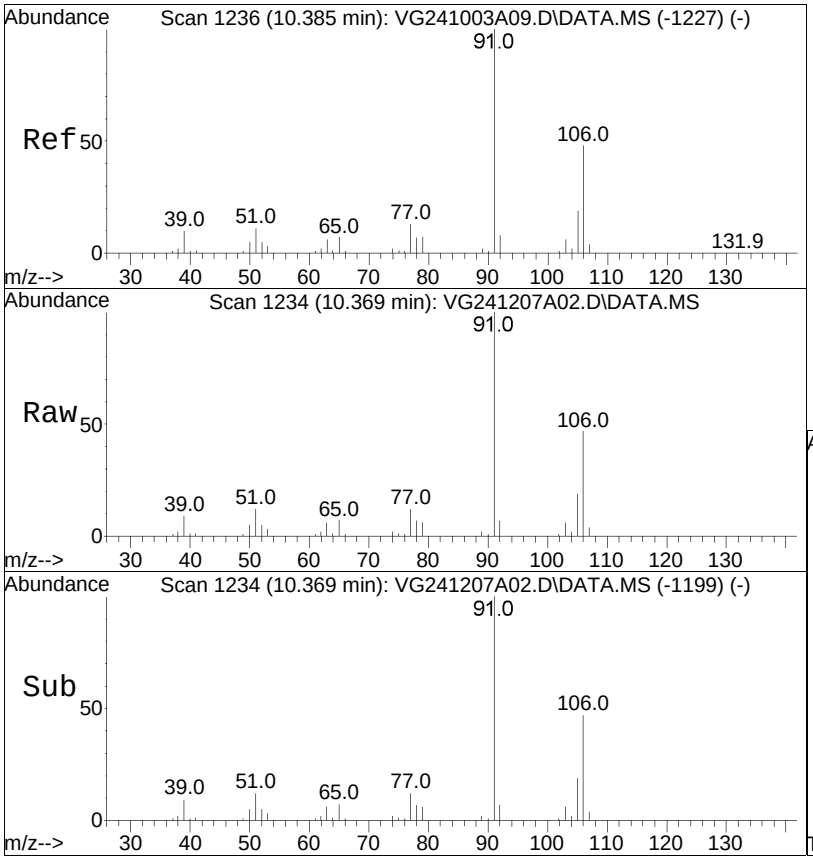


#76
p/m Xylene
Concen: 18.56 ug/L
RT: 9.834 min Scan# 1169
Delta R.T. -0.009 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:106 Resp: 342824

Ion	Ratio	Lower	Upper
106	100		
91	205.6	157.1	235.7

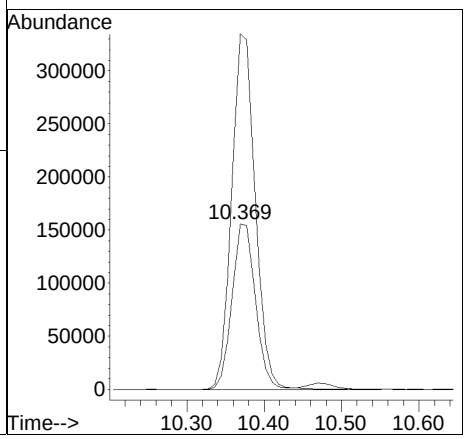


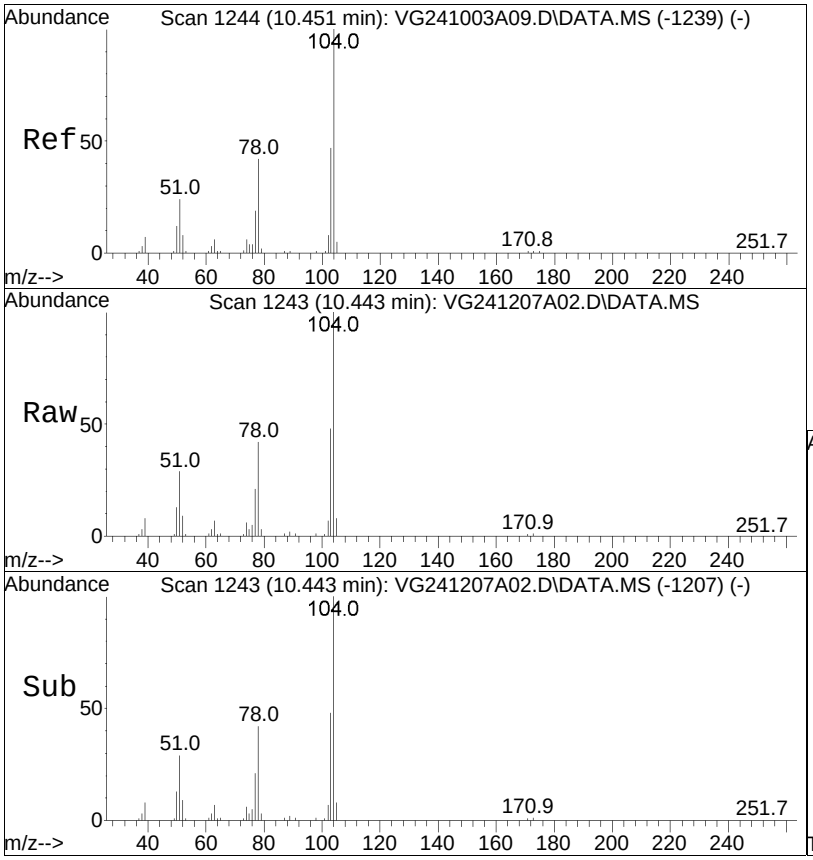


#77
o Xylene
Concen: 18.45 ug/L
RT: 10.369 min Scan# 1234
Delta R.T. -0.016 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:106 Resp: 330027

Ion	Ratio	Lower	Upper
106	100		
91	213.8	164.7	247.1

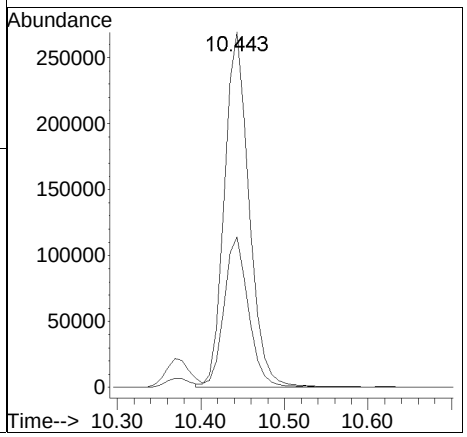


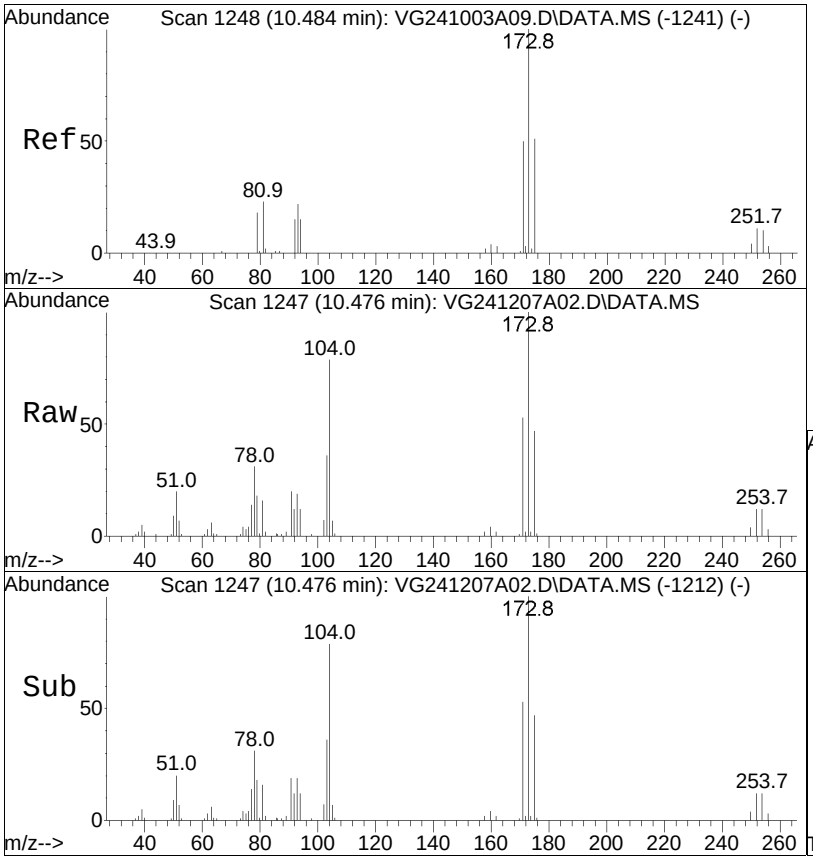


#78
Styrene
Concen: 18.12 ug/L
RT: 10.443 min Scan# 1243
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:104 Resp: 551562

Ion	Ratio	Lower	Upper
104	100		
78	42.3	32.2	48.4

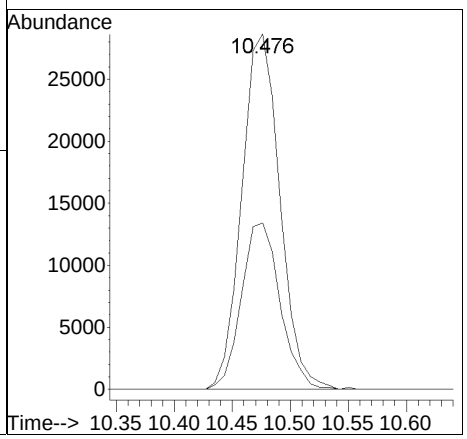


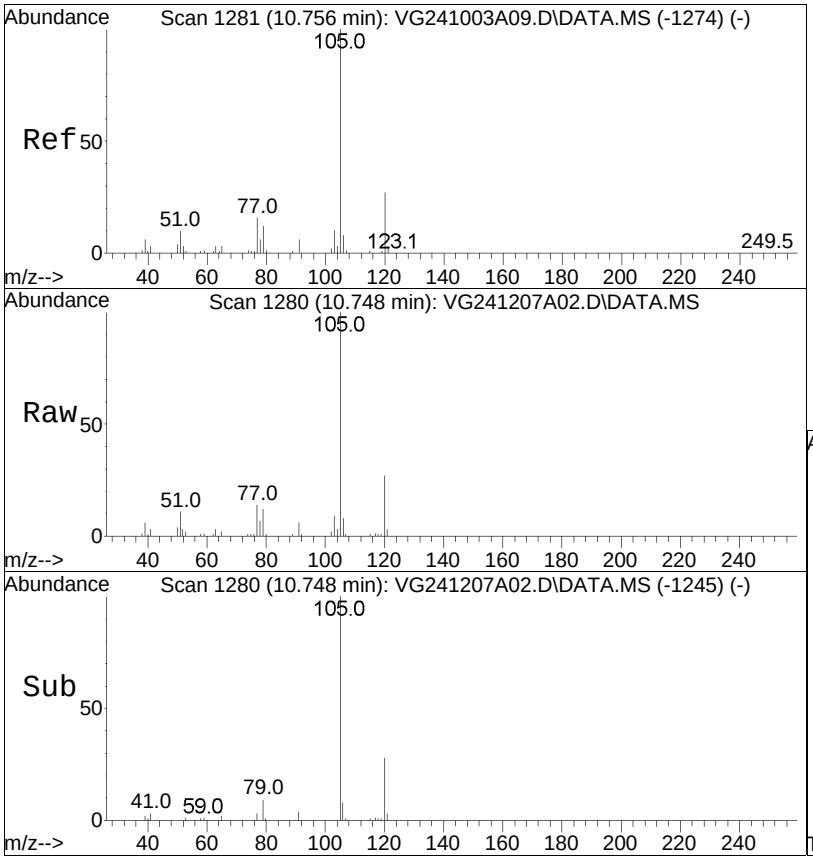


#80
Bromoform
Concen: 8.59 ug/L
RT: 10.476 min Scan# 1247
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:173 Resp: 65436

Ion	Ratio	Lower	Upper
173	100		
175	47.6	28.0	68.0

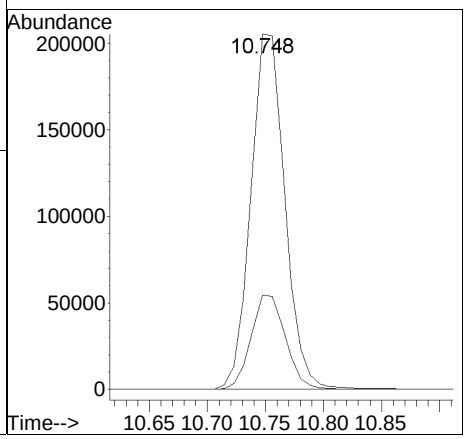


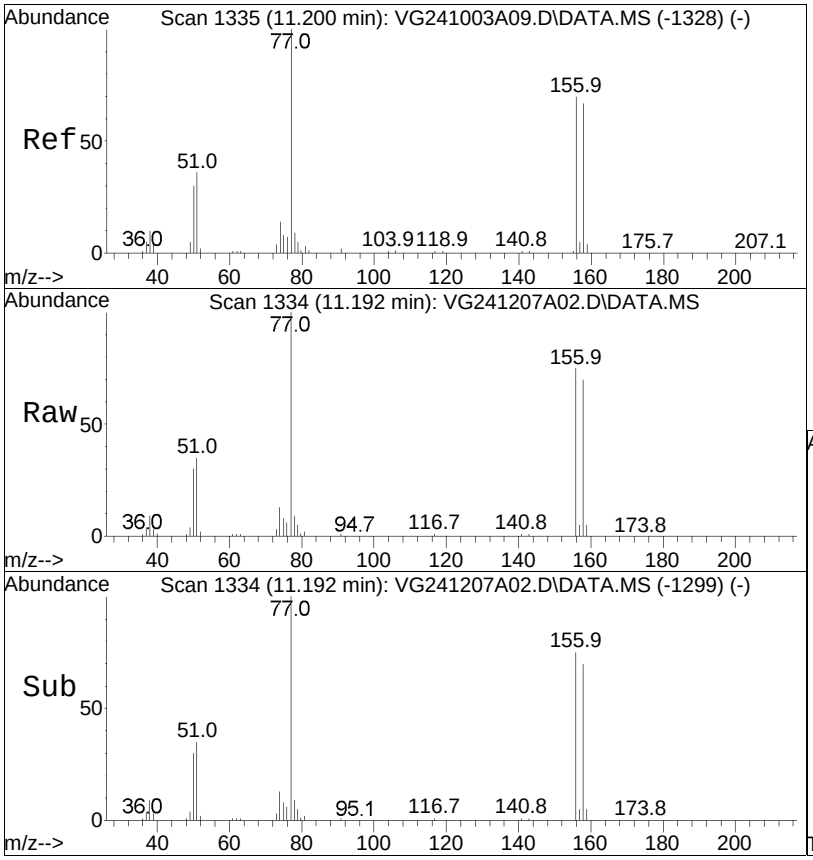


#82
Isopropylbenzene
Concen: 8.94 ug/L
RT: 10.748 min Scan# 1280
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:105 Resp: 418695

Ion	Ratio	Lower	Upper
105	100		
120	27.0	7.0	47.0

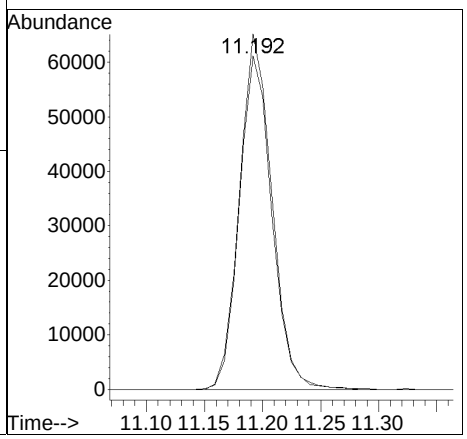


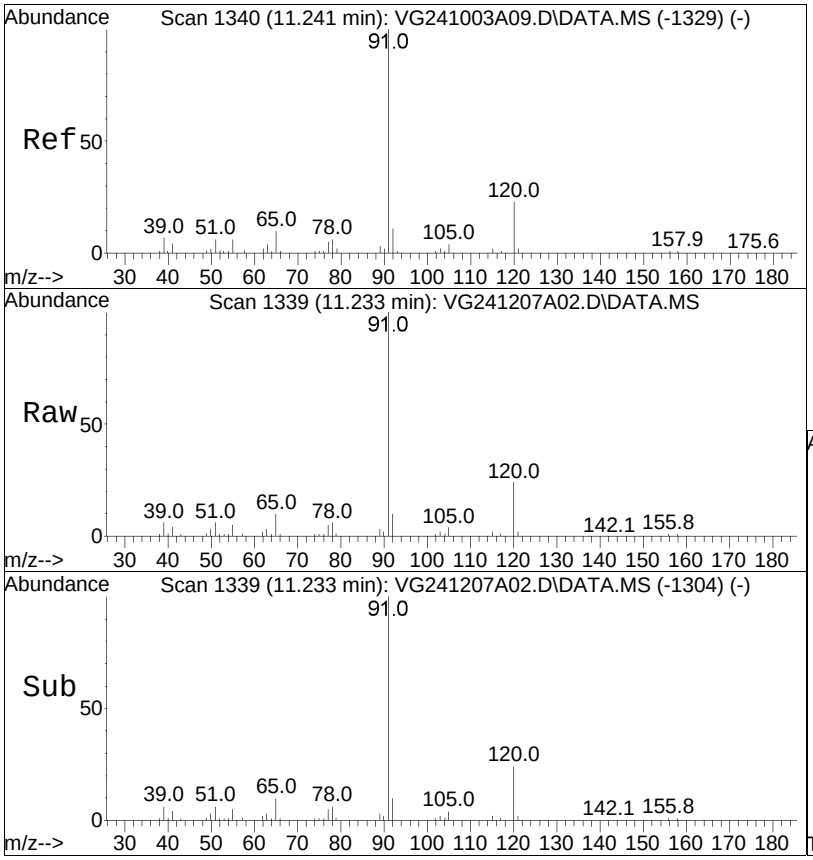


#84
Bromobenzene
Concen: 9.99 ug/L
RT: 11.192 min Scan# 1334
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:156 Resp: 126692

Ion	Ratio	Lower	Upper
156	100		
158	94.2	76.9	115.3

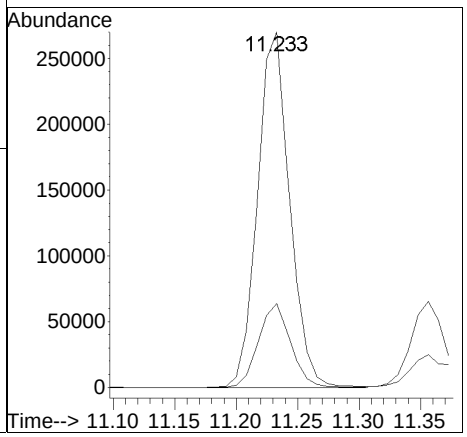


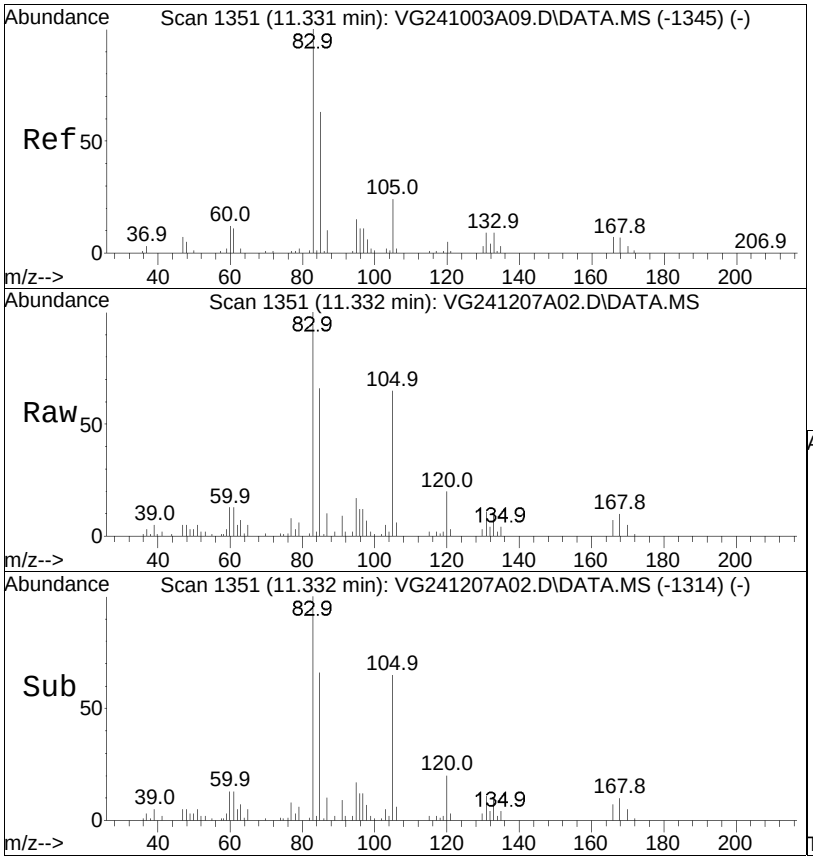


#85
n-Propylbenzene
Concen: 8.99 ug/L
RT: 11.233 min Scan# 1339
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 91 Resp: 490382

Ion	Ratio	Lower	Upper
91	100		
120	23.5	19.0	28.6

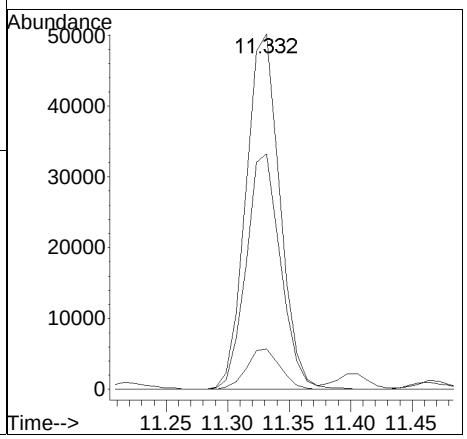


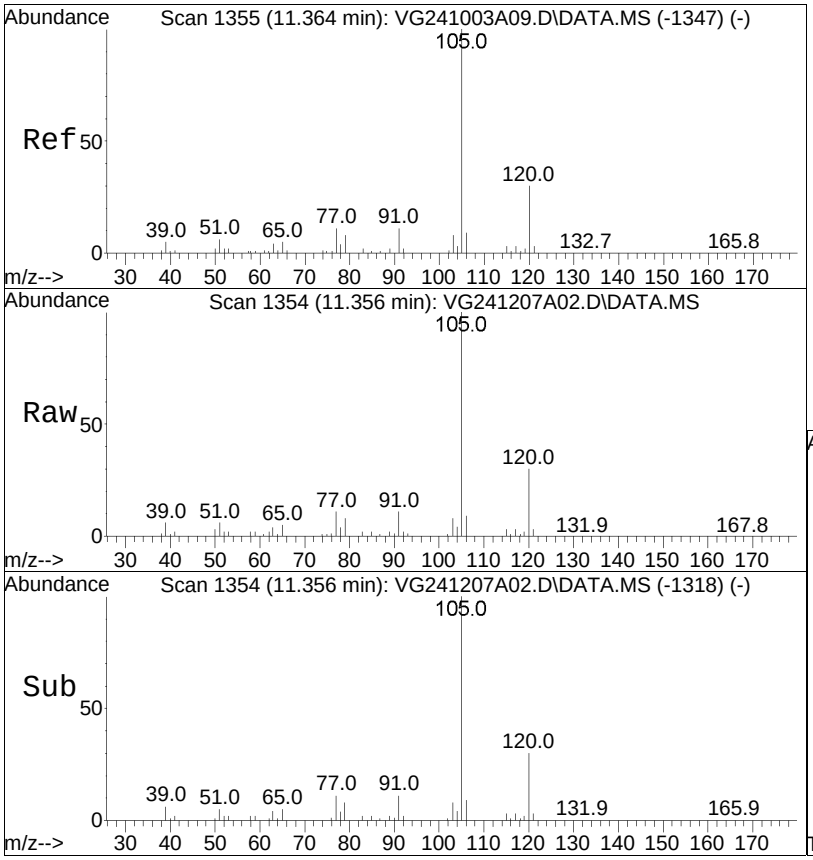


#87
1,1,2,2-Tetrachloroethane
Concen: 8.16 ug/L
RT: 11.332 min Scan# 1351
Delta R.T. 0.001 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 83 Resp: 96722

Ion	Ratio	Lower	Upper
83	100		
131	11.3	0.0	31.0
85	66.8	43.9	83.9

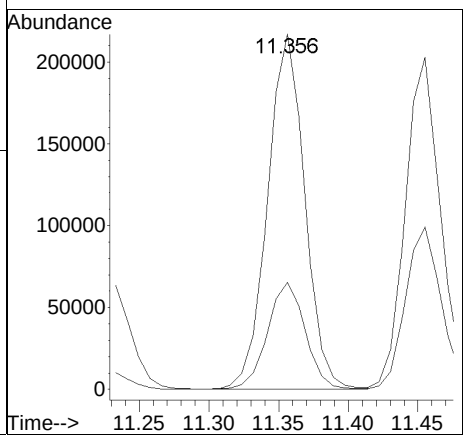


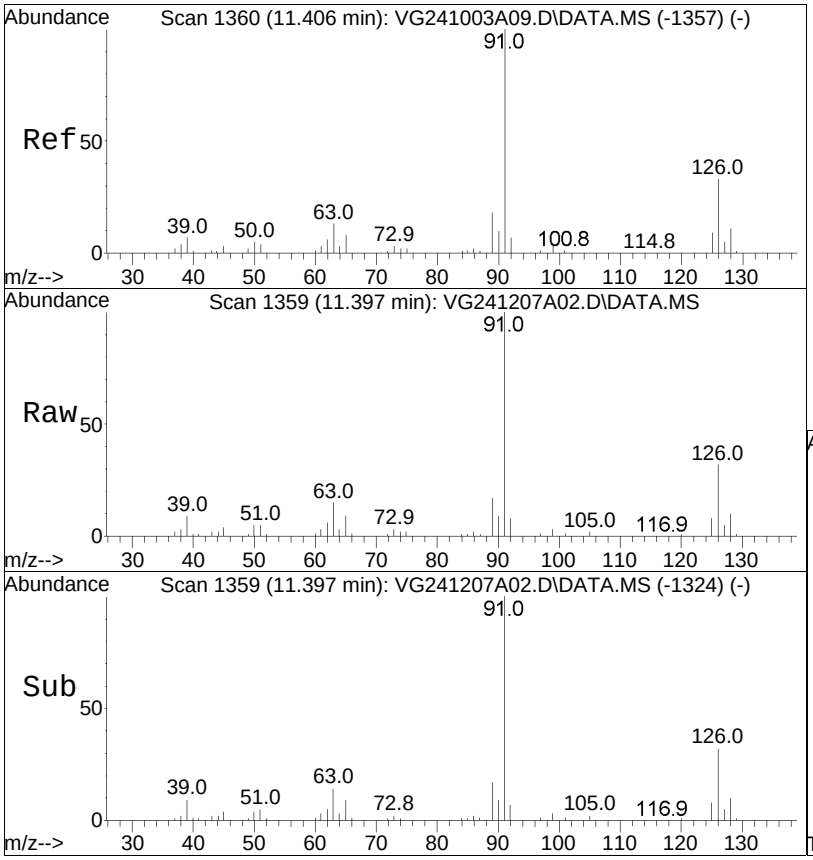


#88
4-Ethyltoluene
Concen: 9.02 ug/L
RT: 11.356 min Scan# 1354
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:105 Resp: 403132

Ion	Ratio	Lower	Upper
105	100		
120	30.5	19.9	41.3

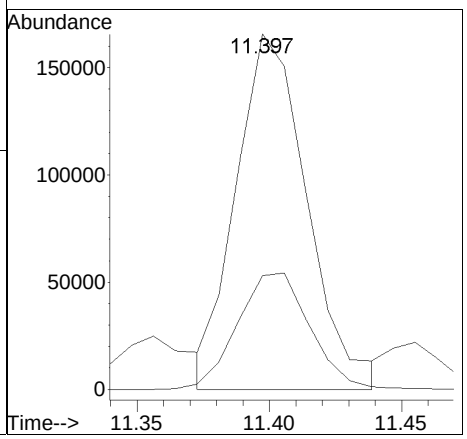


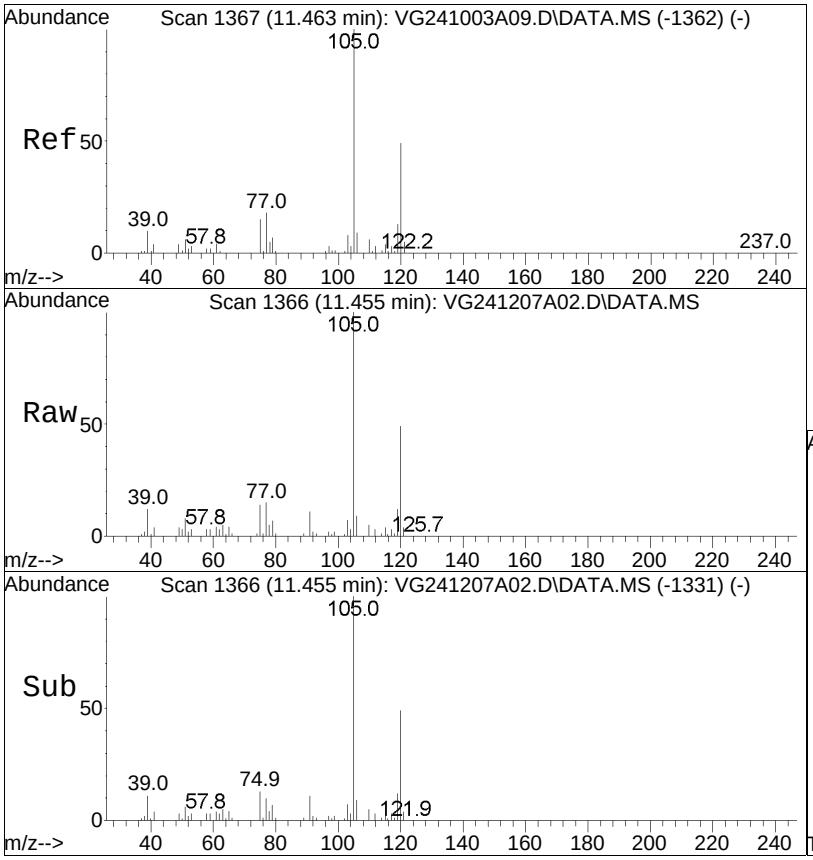


#89
2-Chlorotoluene
Concen: 9.27 ug/L M6
RT: 11.397 min Scan# 1359
Delta R.T. -0.009 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 91 Resp: 308403

Ion	Ratio	Lower	Upper
91	100		
126	33.6	27.4	41.2

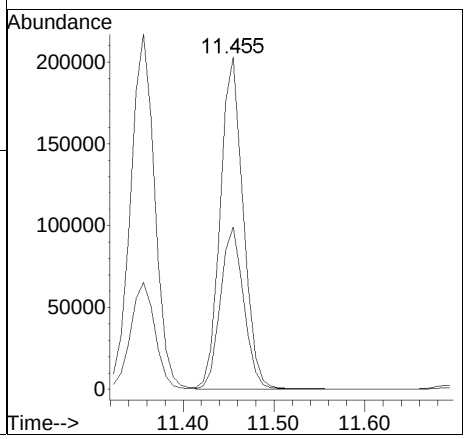


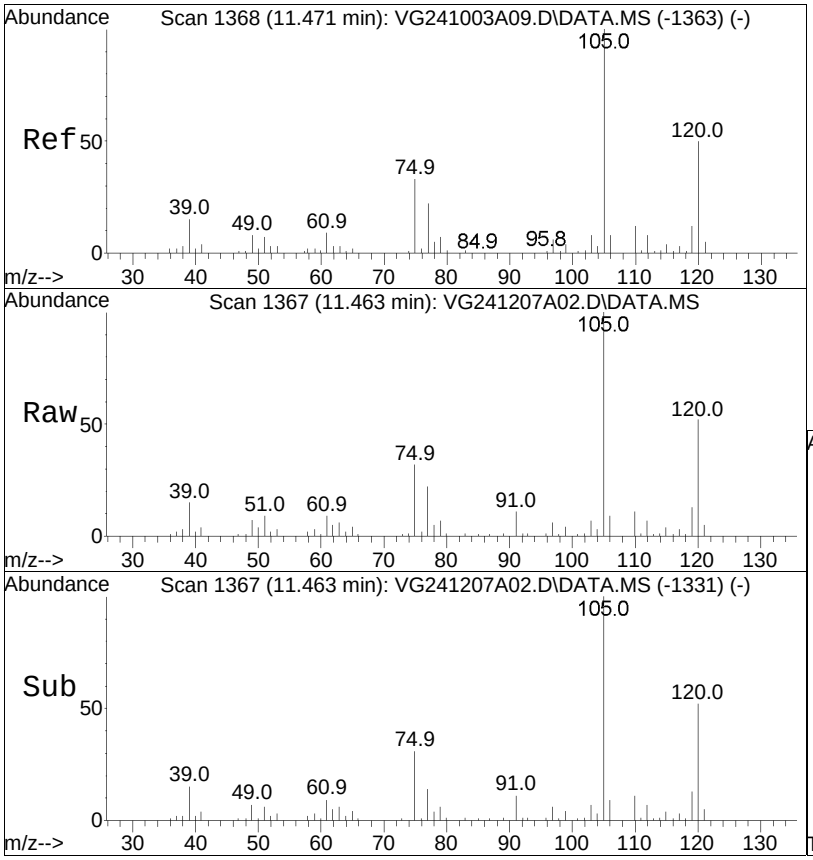


#90
1,3,5-Trimethylbenzene
Concen: 9.04 ug/L
RT: 11.455 min Scan# 1366
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:105 Resp: 357470

Ion	Ratio	Lower	Upper
105	100		
120	49.8	40.3	60.5

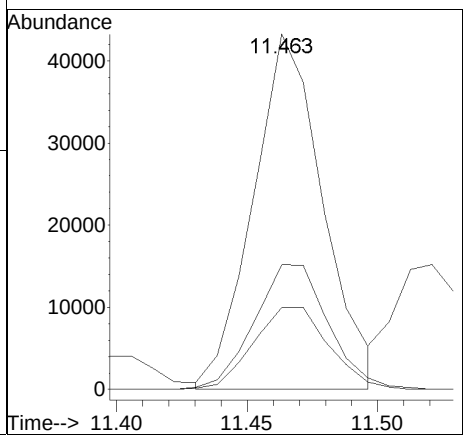


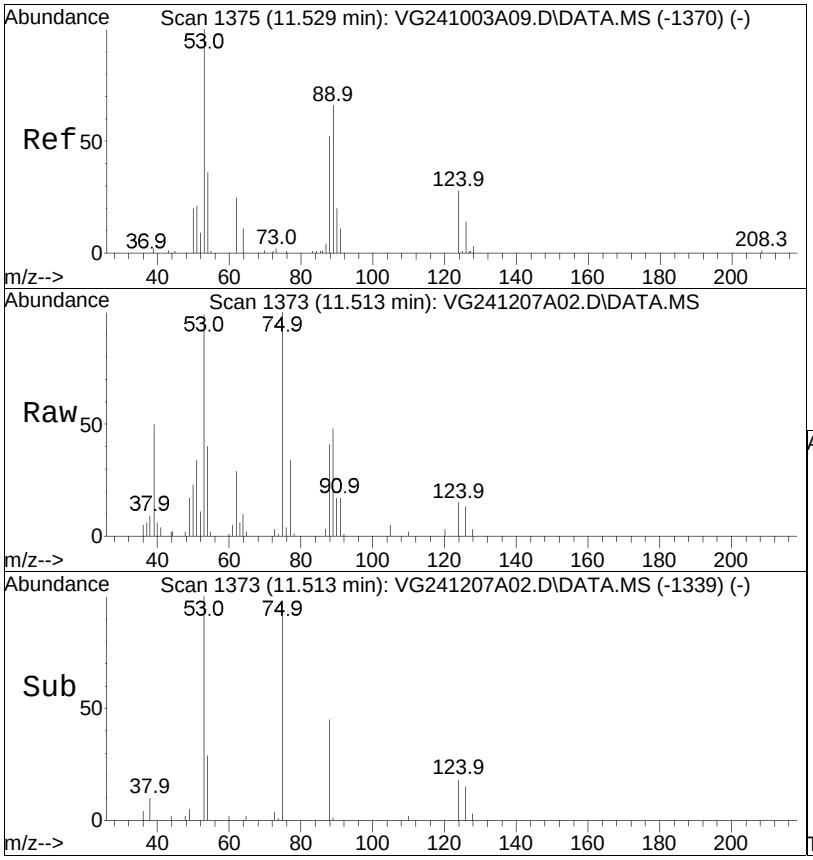


#91
1,2,3-Trichloropropane
Concen: 8.31 ug/L
RT: 11.463 min Scan# 1367
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 75 Resp: 80507

Ion	Ratio	Lower	Upper
75	100		
110	37.3	23.5	48.9
112	25.1	15.9	32.9

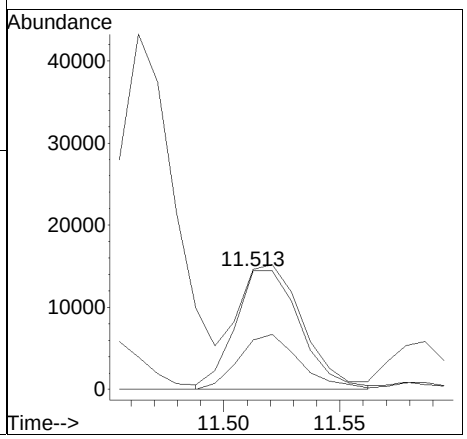


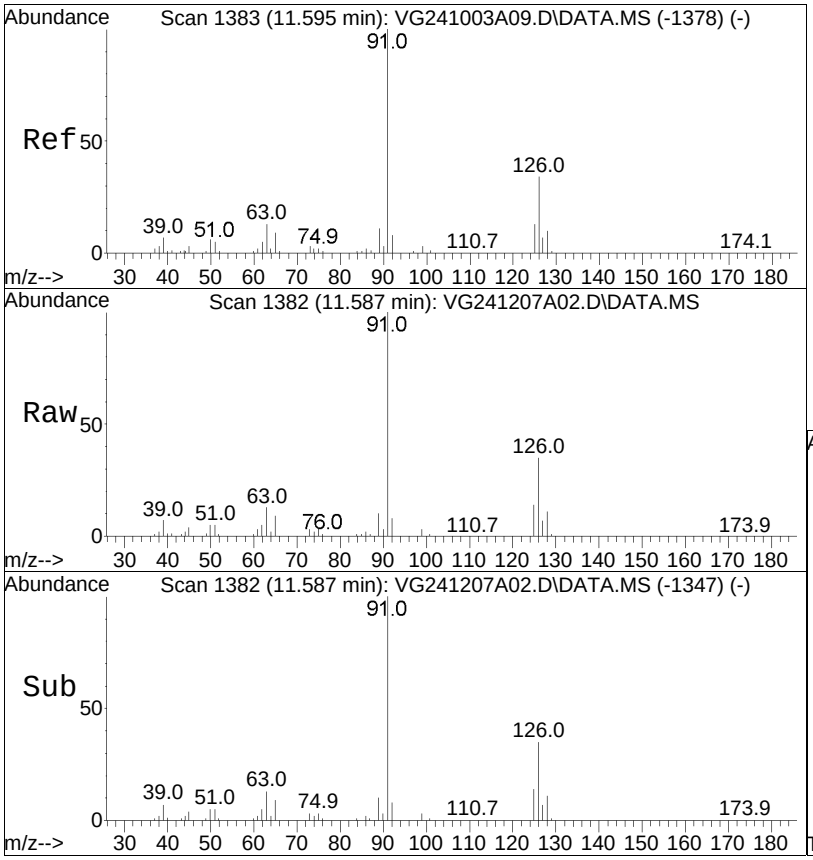


#92
trans-1,4-Dichloro-2-butene
Concen: 7.23 ug/L
RT: 11.513 min Scan# 1373
Delta R.T. -0.016 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 53 Resp: 28241

Ion	Ratio	Lower	Upper
53	100		
88	43.5	41.6	62.4
75	103.6	0.0	0.0#

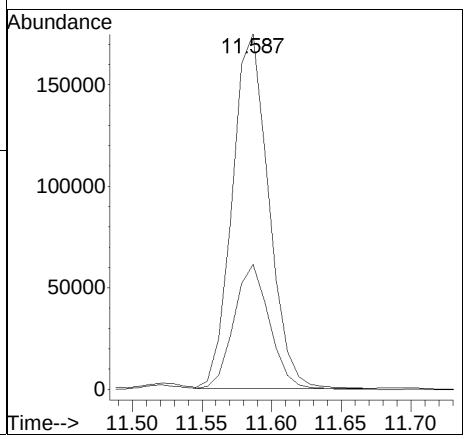


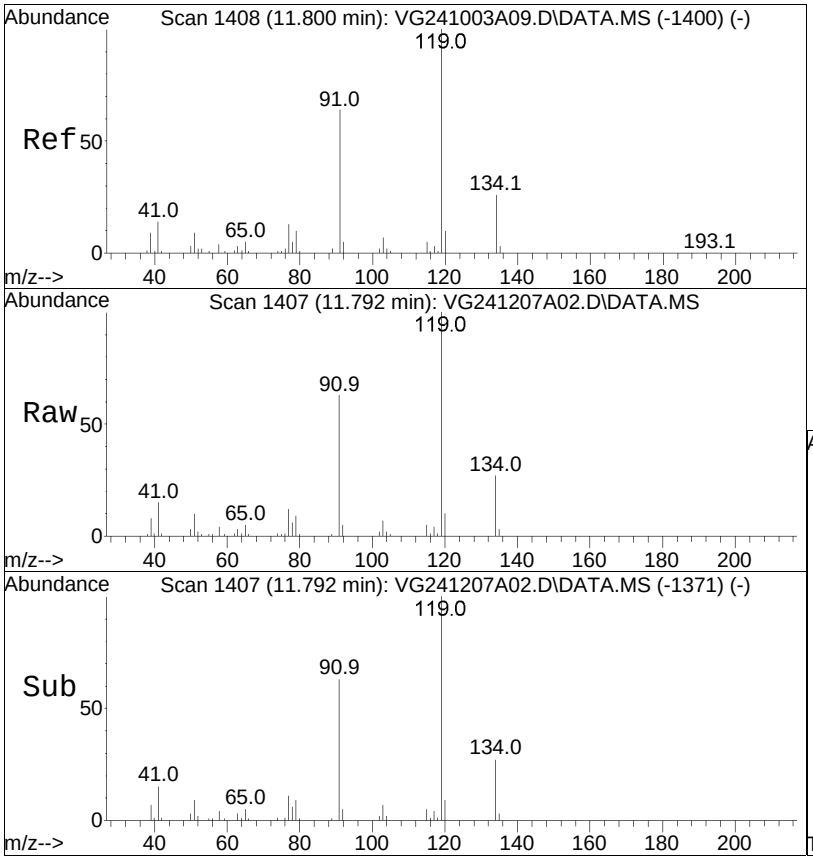


#93
4-Chlorotoluene
Concen: 9.07 ug/L
RT: 11.587 min Scan# 1382
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 91 Resp: 317654

Ion	Ratio	Lower	Upper
91	100		
126	34.8	28.2	42.4

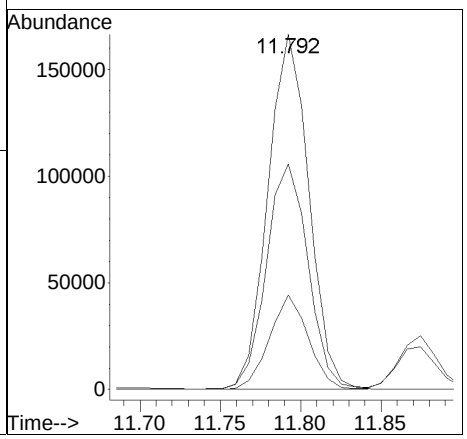


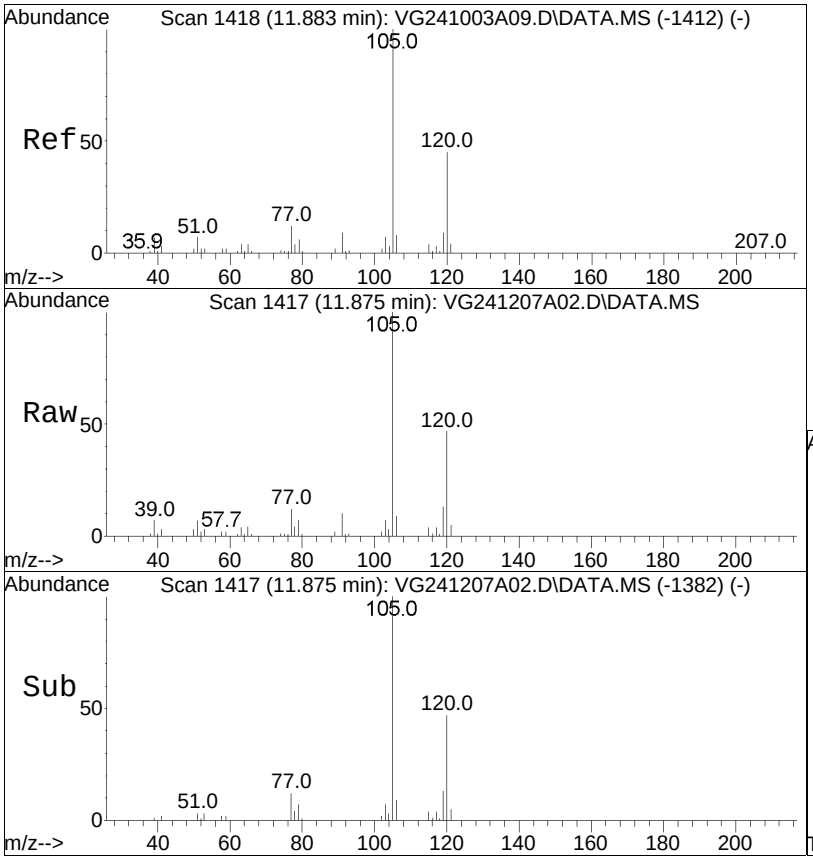


#94
tert-Butylbenzene
Concen: 9.46 ug/L
RT: 11.792 min Scan# 1407
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:119 Resp: 295278

Ion	Ratio	Lower	Upper
119	100		
91	64.5	50.8	76.2
134	25.2	20.2	30.4

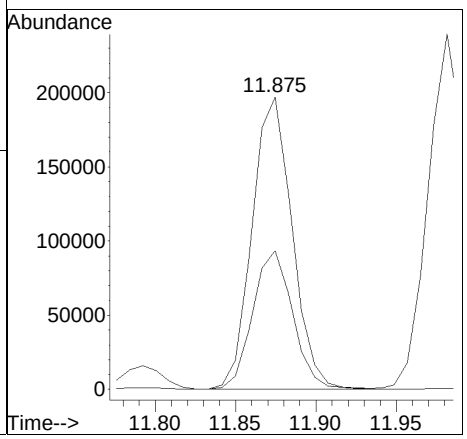


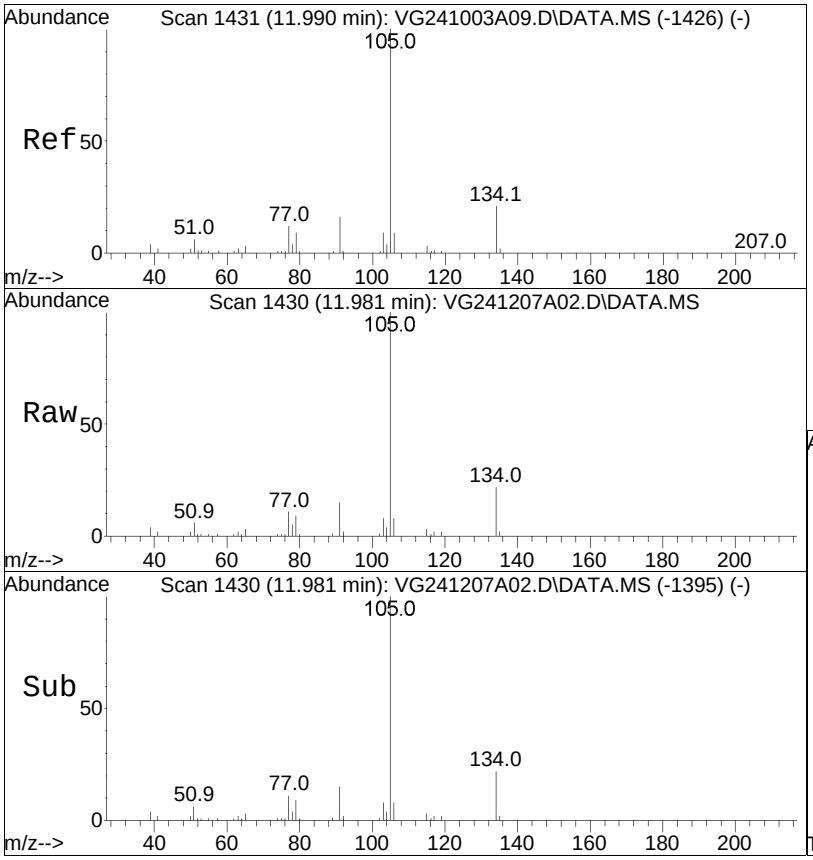


#97
1,2,4-Trimethylbenzene
Concen: 8.86 ug/L
RT: 11.875 min Scan# 1417
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:105 Resp: 341962

Ion	Ratio	Lower	Upper
105	100		
120	47.3	37.8	56.6

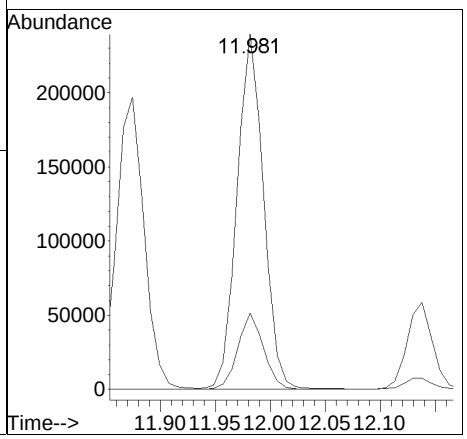


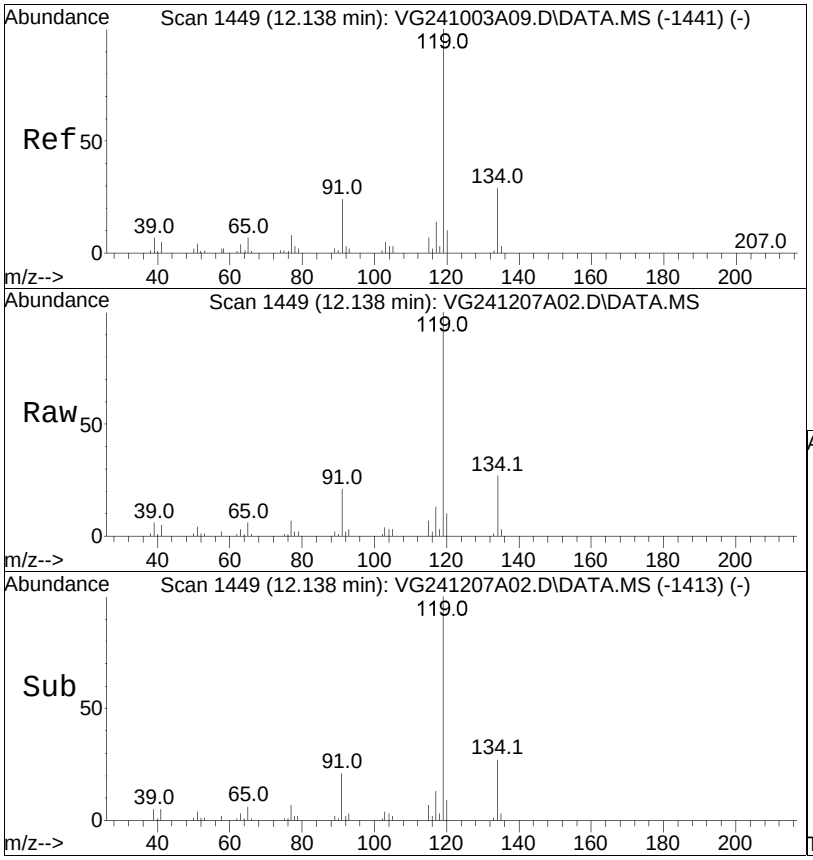


#98
sec-Butylbenzene
Concen: 8.94 ug/L
RT: 11.981 min Scan# 1430
Delta R.T. -0.009 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:105 Resp: 402071

Ion	Ratio	Lower	Upper
105	100		
134	20.8	13.3	27.7

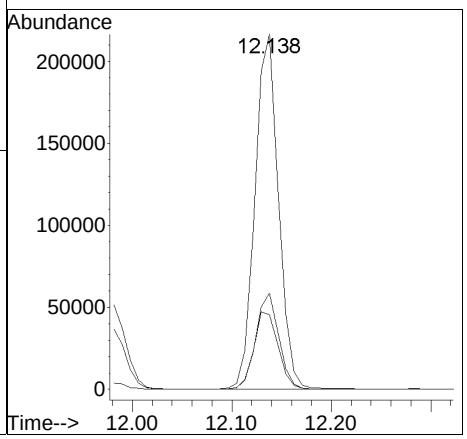


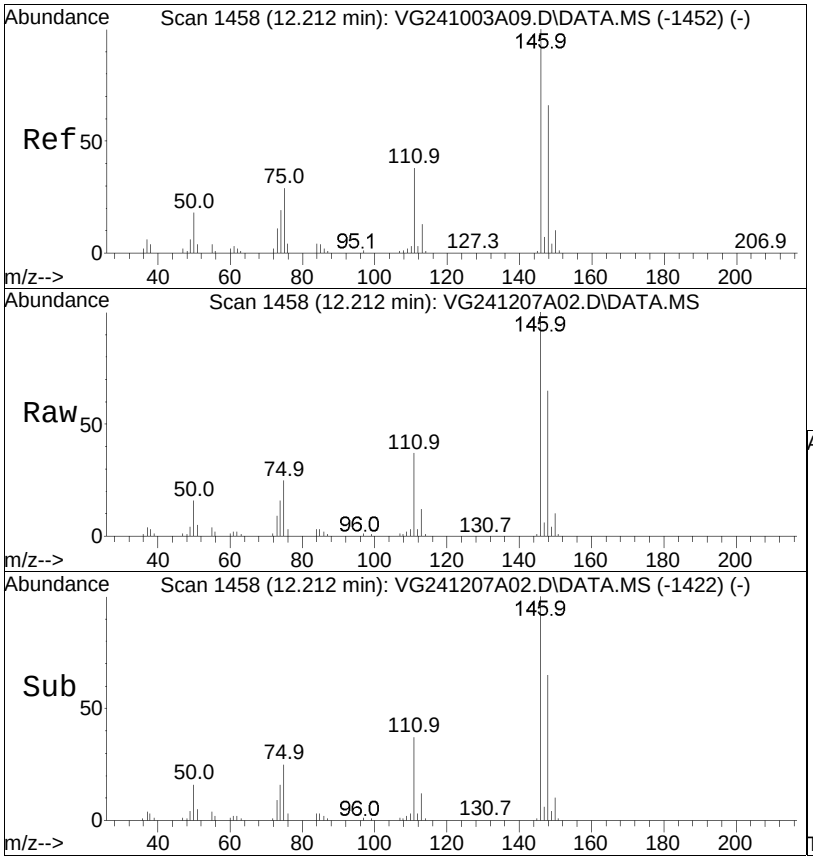


#99
p-Isopropyltoluene
Concen: 9.36 ug/L
RT: 12.138 min Scan# 1449
Delta R.T. -0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:119 Resp: 357321

Ion	Ratio	Lower	Upper
119	100		
134	26.5	17.5	36.3
91	22.9	14.6	30.4

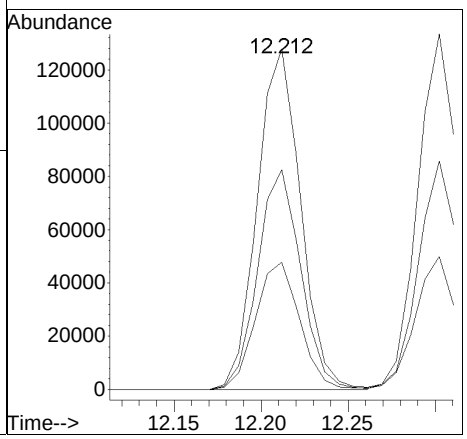


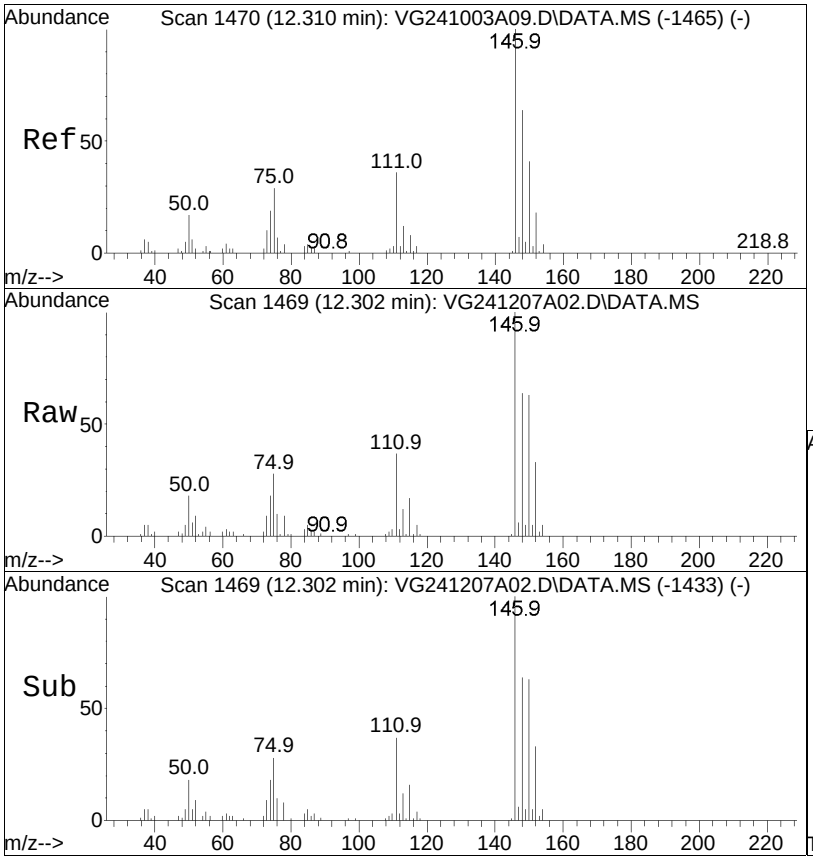


#100
1,3-Dichlorobenzene
Concen: 9.56 ug/L
RT: 12.212 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:146 Resp: 220783

Ion	Ratio	Lower	Upper
146	100		
111	38.1	24.4	50.6
148	64.2	41.0	85.2

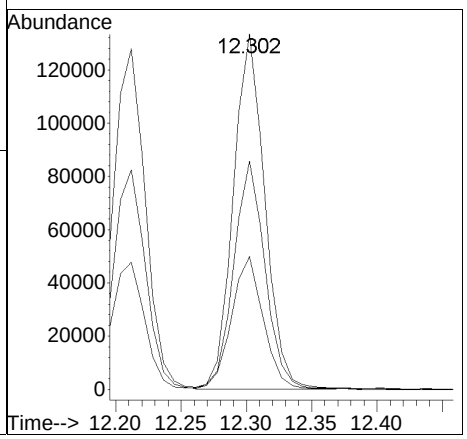


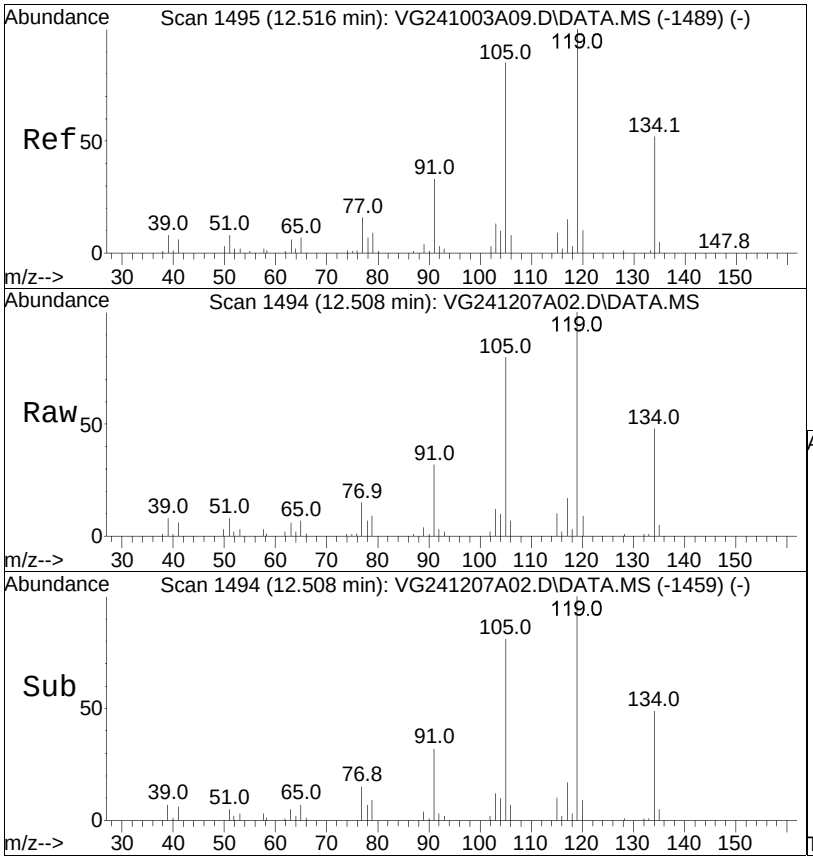


#101
1,4-Dichlorobenzene
Concen: 9.32 ug/L
RT: 12.302 min Scan# 1469
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:146 Resp: 223563

Ion	Ratio	Lower	Upper
146	100		
111	38.2	29.3	43.9
148	63.8	51.2	76.8

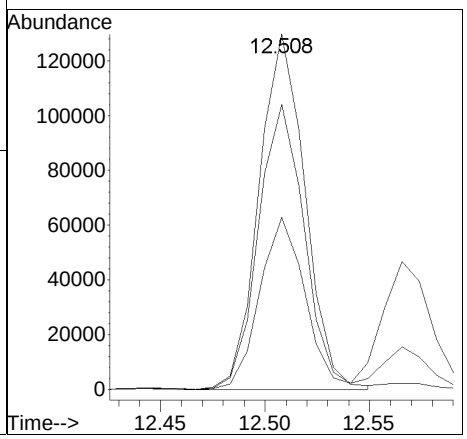


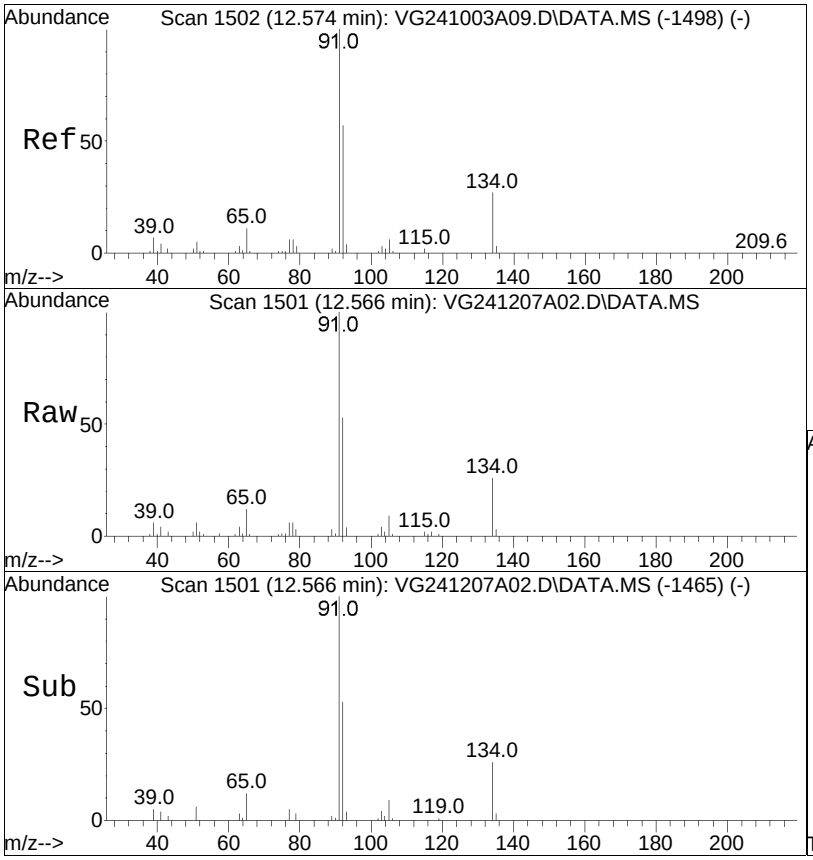


#102
p-Diethylbenzene
Concen: 9.27 ug/L
RT: 12.508 min Scan# 1494
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:119 Resp: 198485

Ion	Ratio	Lower	Upper
119	100		
105	79.9	53.9	112.1
134	47.8	32.0	66.6

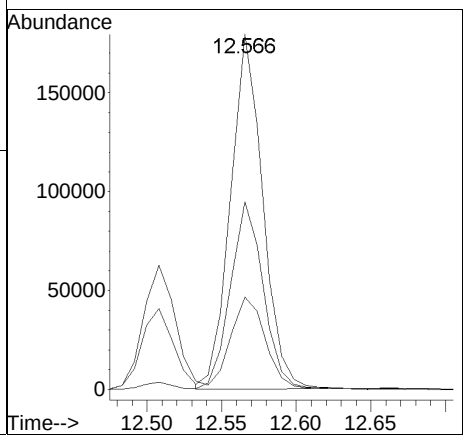


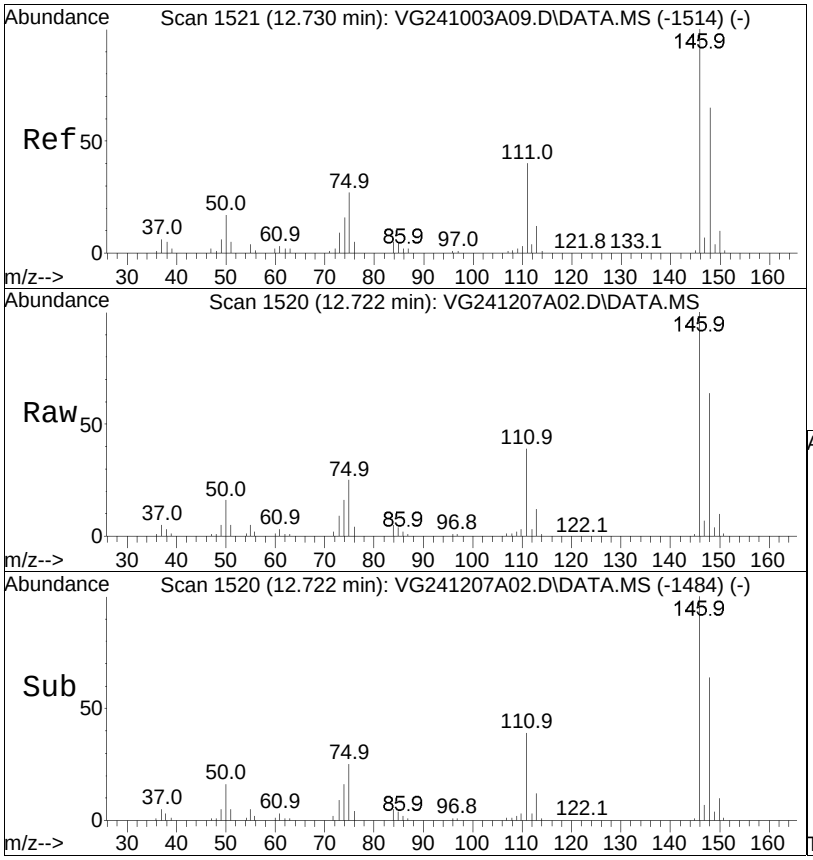


#103
n-Butylbenzene
Concen: 8.80 ug/L
RT: 12.566 min Scan# 1501
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion: 91 Resp: 270402

Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.8	65.8
134	28.2	22.0	33.0

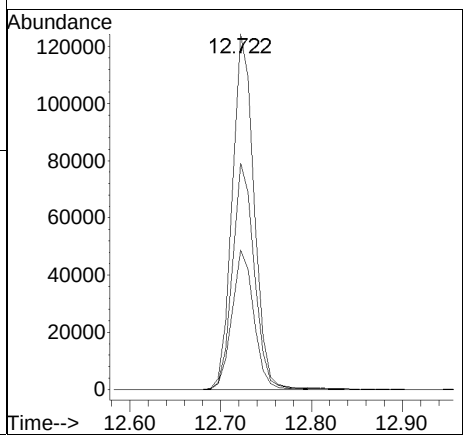


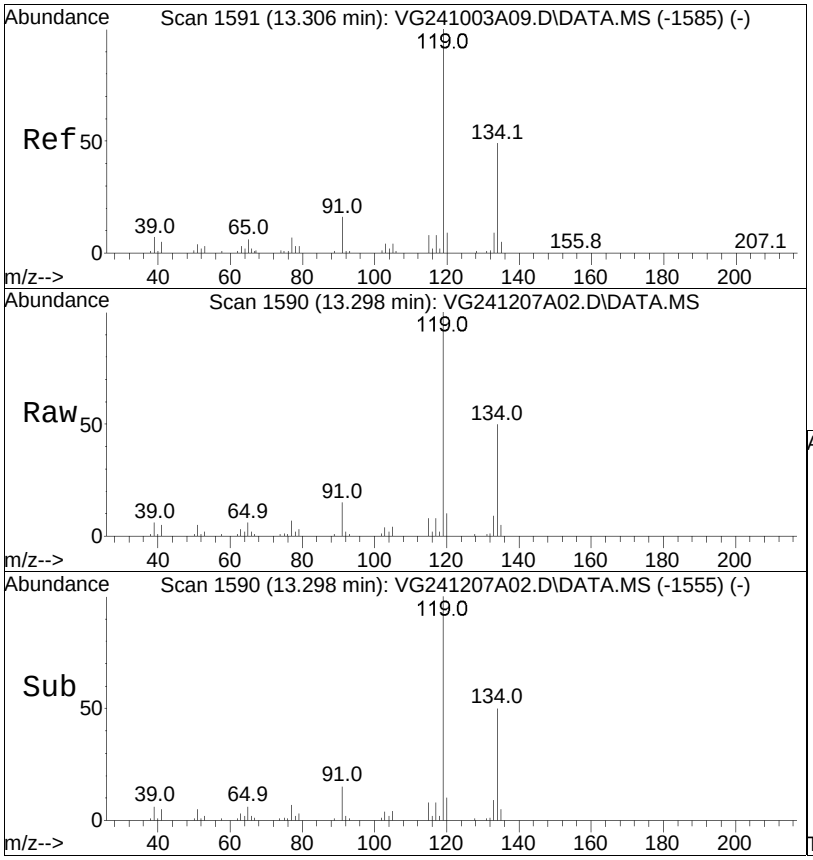


#104
1,2-Dichlorobenzene
Concen: 9.34 ug/L
RT: 12.722 min Scan# 1520
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:146 Resp: 208035

Ion	Ratio	Lower	Upper
146	100		
111	39.1	25.4	52.8
148	63.3	41.7	86.5

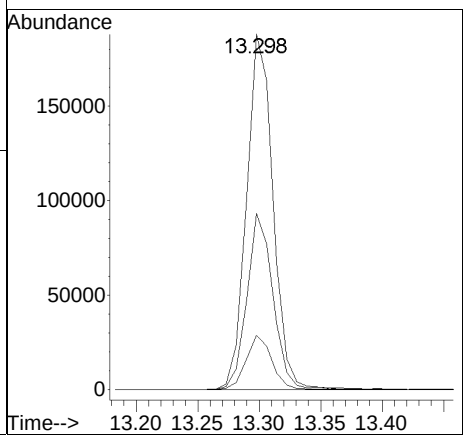


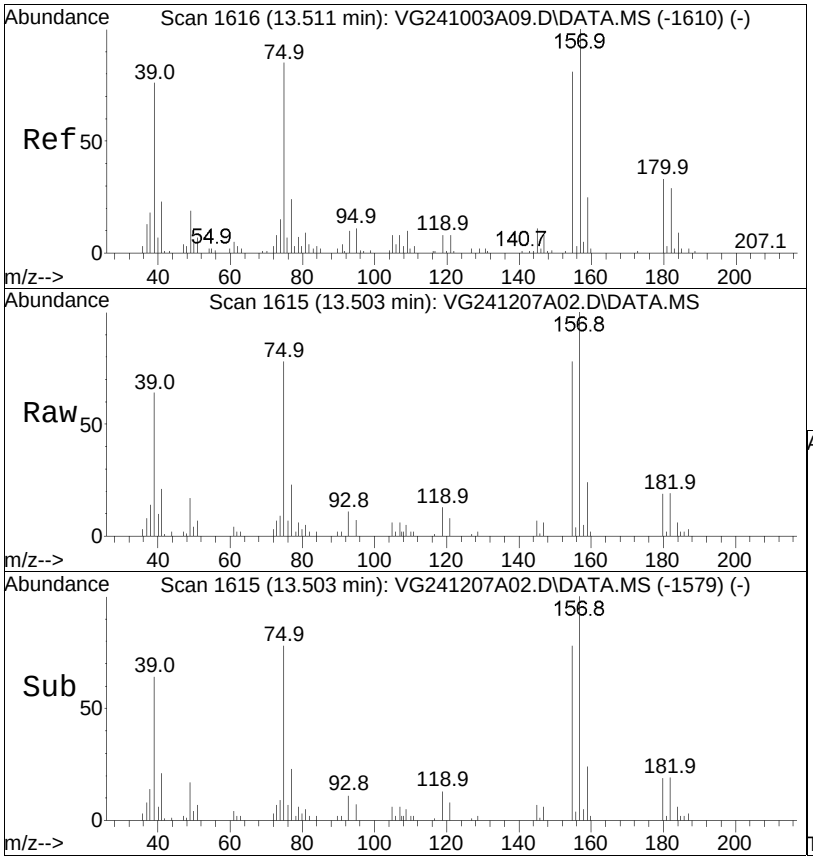


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.33 ug/L
RT: 13.298 min Scan# 1590
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:119 Resp: 280907

Ion	Ratio	Lower	Upper
119	100		
134	48.9	32.7	67.9
91	14.8	9.9	20.7

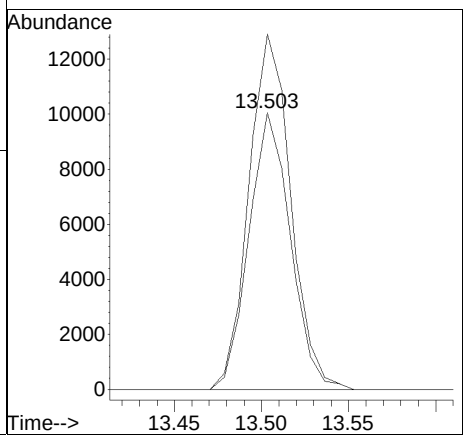


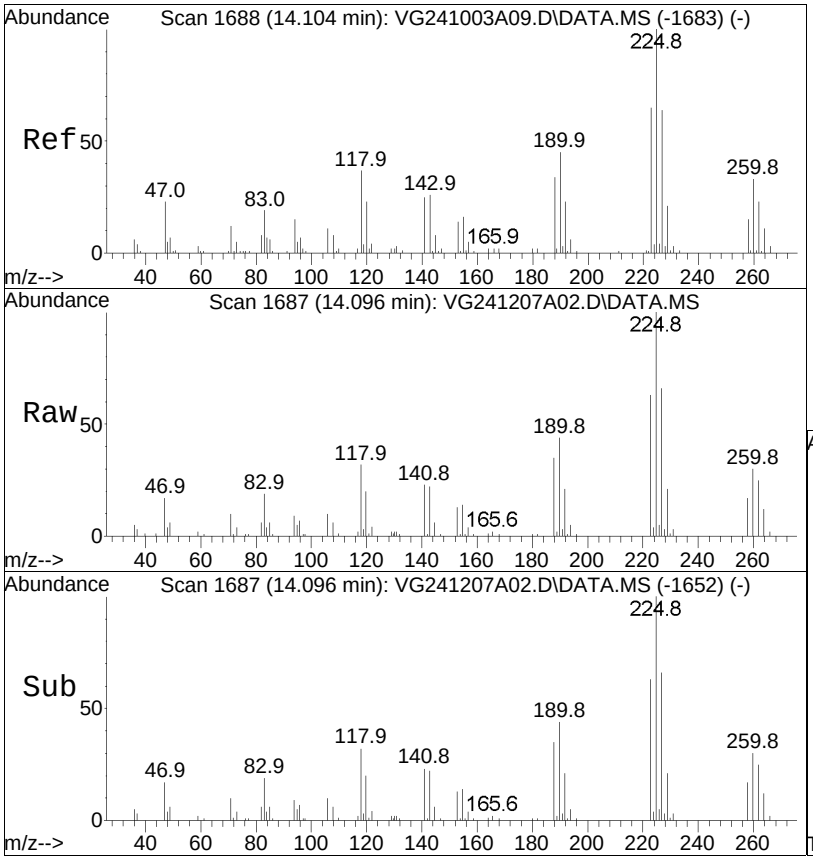


#106
1,2-Dibromo-3-chloropropane
Concen: 8.44 ug/L
RT: 13.503 min Scan# 1615
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:155 Resp: 16672

Ion	Ratio	Lower	Upper
155	100		
157	129.6	99.9	149.9

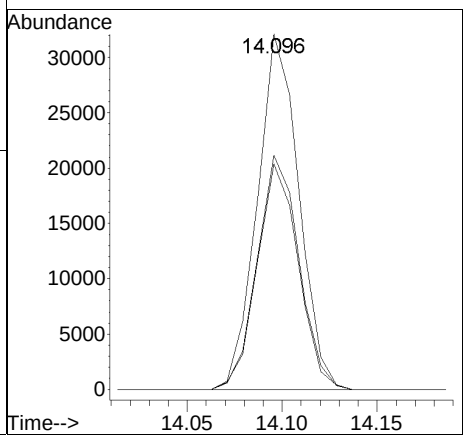


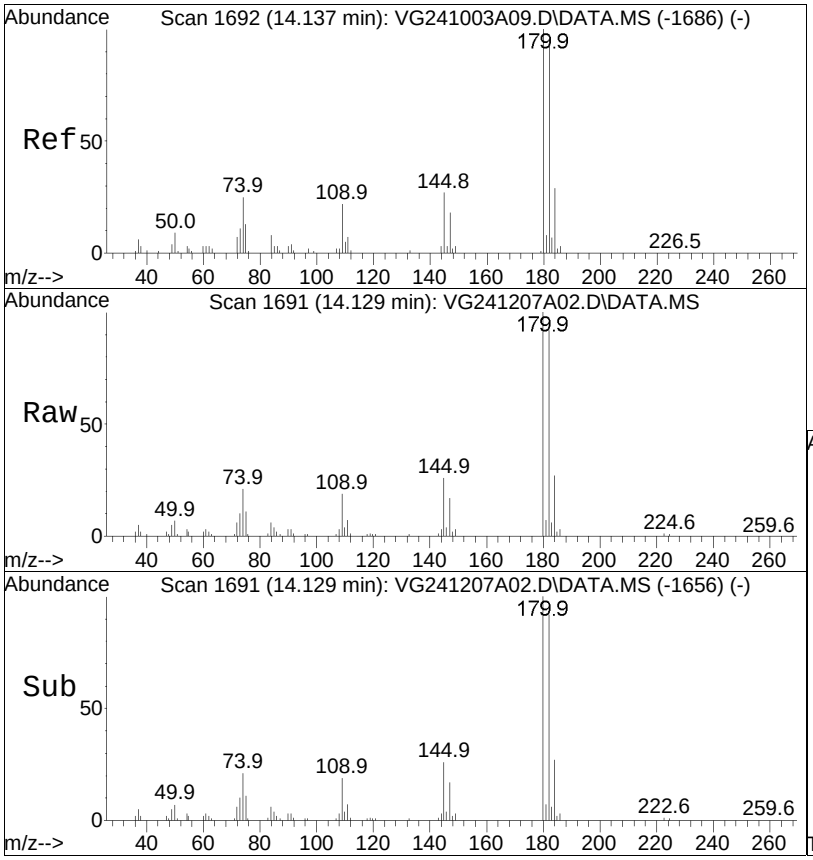


#108
Hexachlorobutadiene
Concen: 10.85 ug/L
RT: 14.096 min Scan# 1687
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:225 Resp: 48829

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.1	75.1
227	66.4	50.2	75.4

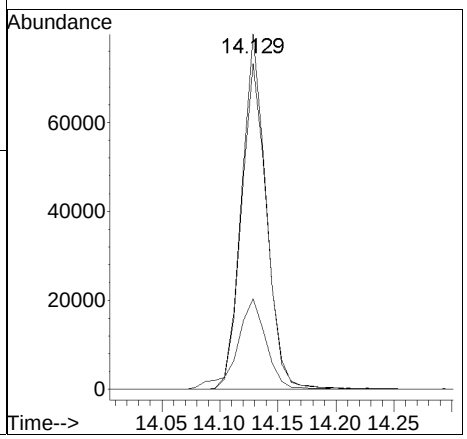


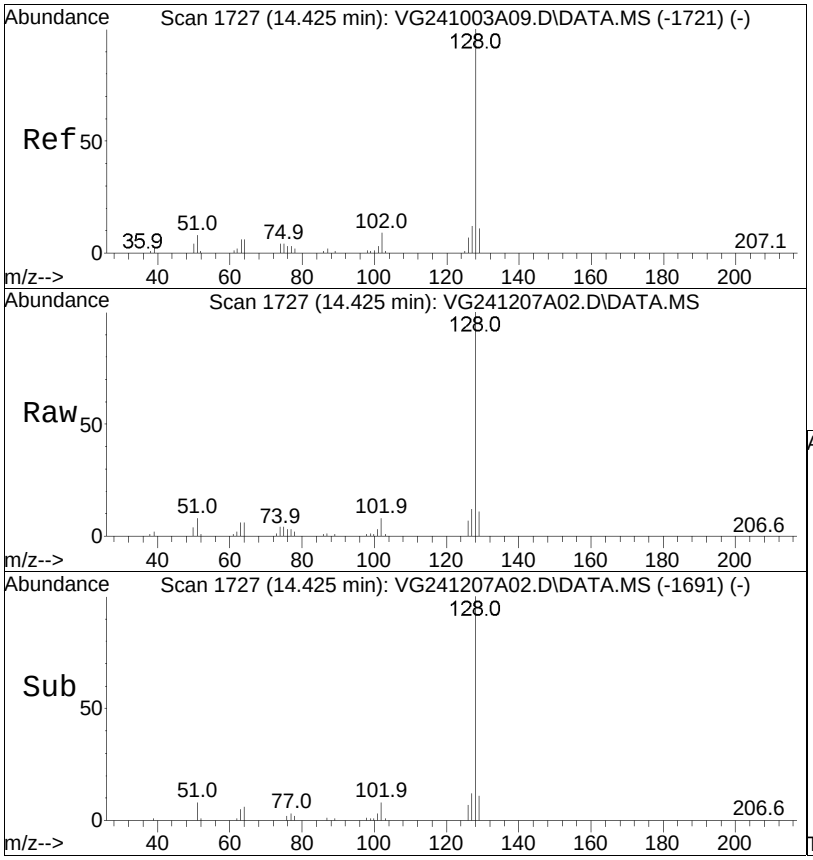


#109
1,2,4-Trichlorobenzene
Concen: 9.96 ug/L
RT: 14.129 min Scan# 1691
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:180 Resp: 118432

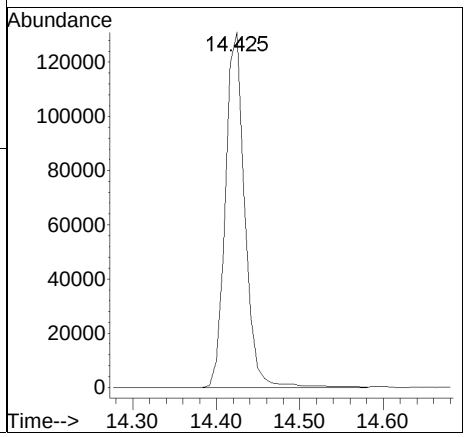
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.7	115.1
145	30.2	26.5	39.7

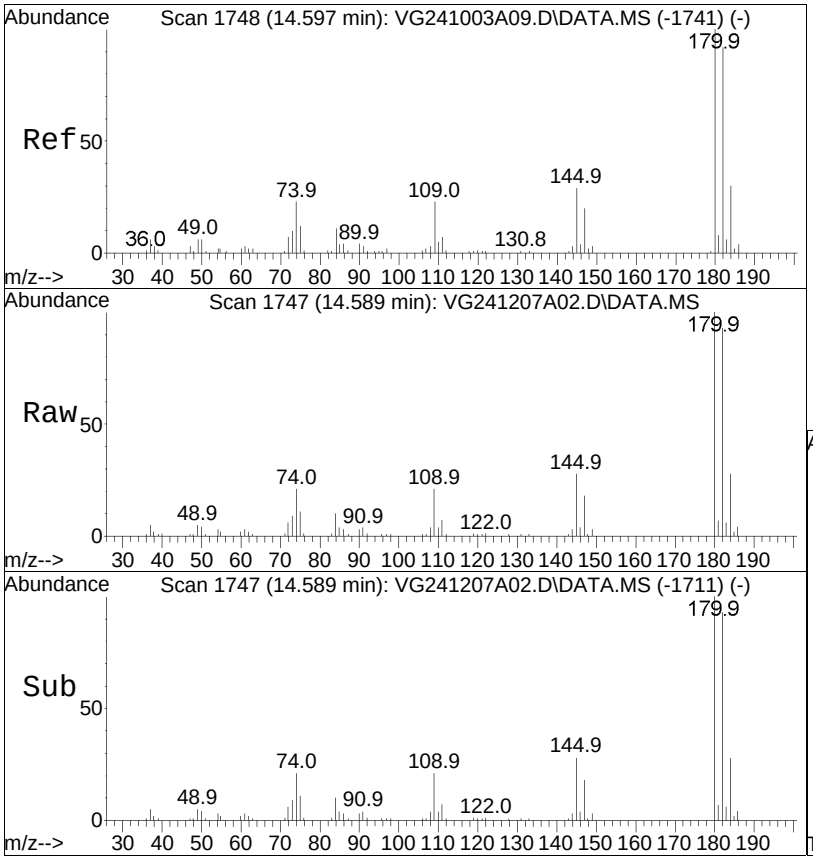




#110
Naphthalene
Concen: 8.38 ug/L
RT: 14.425 min Scan# 1727
Delta R.T. -0.000 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:128 Resp: 211178

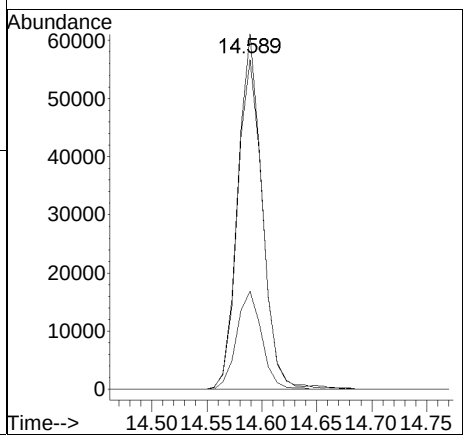




#111
1,2,3-Trichlorobenzene
Concen: 9.49 ug/L
RT: 14.589 min Scan# 1747
Delta R.T. -0.008 min
Lab File: VG241207A02.D
Acq: 7 Dec 2024 12:43 pm

Tgt Ion:180 Resp: 94394

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.0	115.4
145	28.4	24.1	36.1

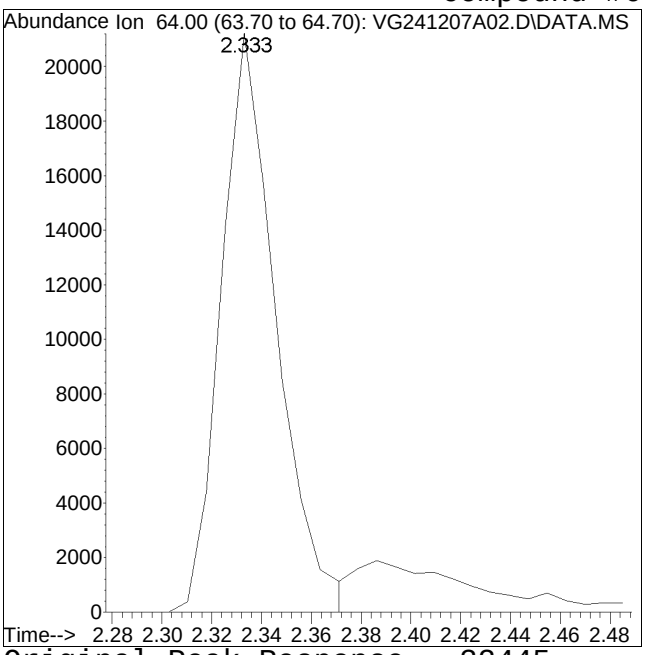


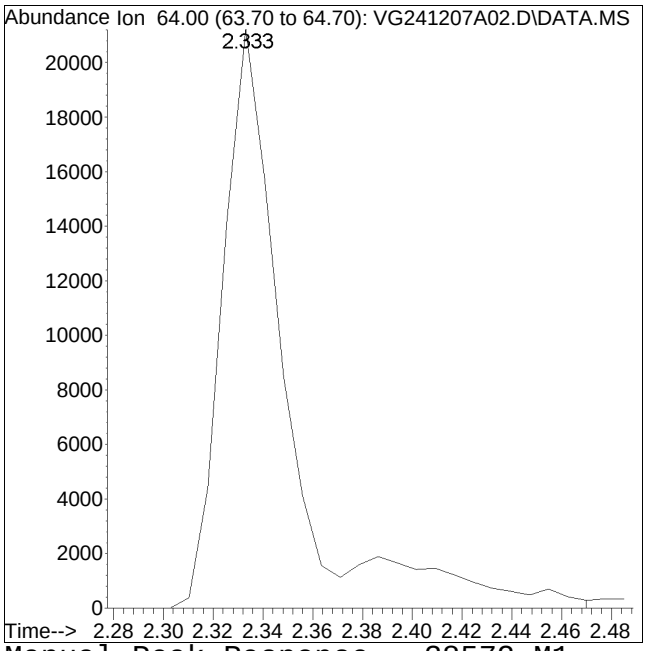
Manual Integration Report

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Date Inj'd : 12/7/2024 12:43 pm
Sample : WG2006760-3,31,10,10

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:09 pm

Compound #6: Chloroethane





Original Peak Response = 32445 Manual Peak Response = 38572 M1

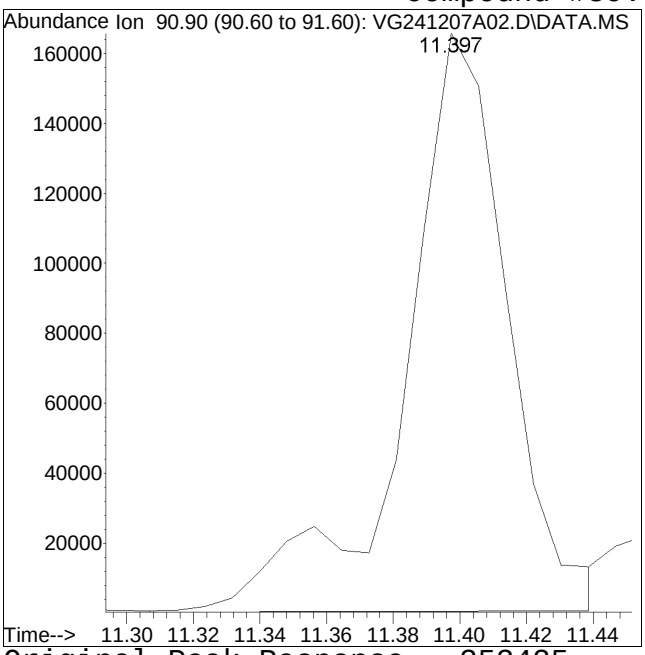
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

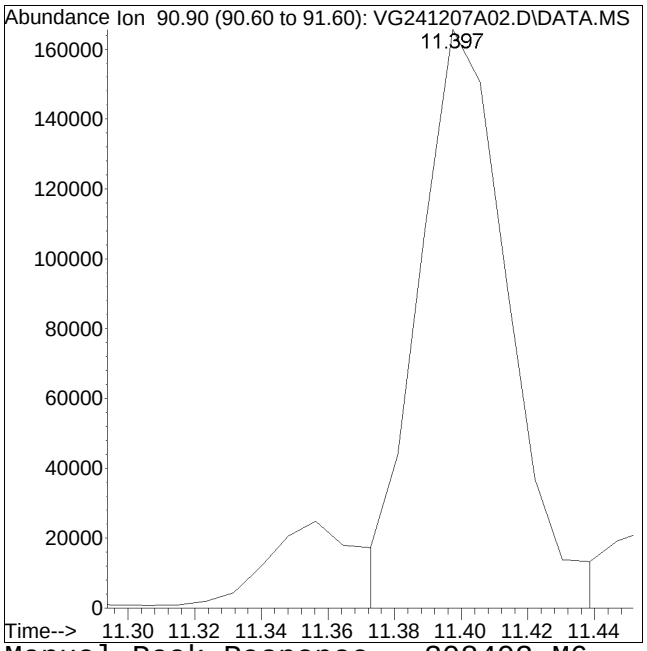
Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A02.D
Date Inj'd : 12/7/2024 12:43 pm
Sample : WG2006760-3,31,10,10

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:09 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 353425



Manual Peak Response = 308403 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A03.D
Acq On : 6 Dec 2024 8:46 am
Operator : GONZO:PID
Sample : WG2006732-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 09:48:19 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.056	96	646593	10.000	ug/L		0.00
Standard Area 1 = 642438			Recovery = 100.65%				
59) Chlorobenzene-d5	9.596	117	492635	10.000	ug/L		0.00
Standard Area 1 = 490245			Recovery = 100.49%				
79) 1,4-Dichlorobenzene-d4	12.286	152	276097	10.000	ug/L		0.00
Standard Area 1 = 271382			Recovery = 101.74%				
System Monitoring Compounds							
36) Dibromofluoromethane	5.250	113	158992	9.861	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.61%				
43) 1,2-Dichloroethane-d4	5.775	65	182445	9.821	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.21%				
60) Toluene-d8	7.743	98	637452	9.784	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.84%				
83) 4-Bromofluorobenzene	11.085	95	233265	9.640	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.657	85	99133	7.216	ug/L		99
3) Chloromethane	1.870	50	130561	8.766	ug/L		99
4) Vinyl chloride	1.923	62	117496	7.916	ug/L		98
5) Bromomethane	2.234	94	29625	3.462	ug/L		97
6) Chloroethane	2.333	64	48329	5.663	ug/L		97
7) Trichlorofluoromethane	2.485	101	151574	7.659	ug/L		99
8) Ethyl ether	2.796	74	57764	8.019	ug/L	#	69
10) 1,1-Dichloroethene	2.986	96	98499	8.639	ug/L		87
11) Carbon disulfide	3.024	76	307926	8.890	ug/L		99
15) Methylene chloride	3.549	84	119562	8.722	ug/L	#	74
17) Acetone	3.594	43	30151	8.510	ug/L		93
18) trans-1,2-Dichloroethene	3.701	96	113319	9.169	ug/L		86
20) Methyl tert-butyl ether	3.784	73	323259	7.734	ug/L		90
23) 1,1-Dichloroethane	4.286	63	235060	9.820	ug/L		98
25) Acrylonitrile	4.339	53	39506	8.939	ug/L		93
27) Vinyl acetate	4.521	43	303757	9.054	ug/L		98
28) cis-1,2-Dichloroethene	4.802	96	132362	9.252	ug/L		91
29) 2,2-Dichloropropane	4.901	77	164041	10.309	ug/L		96
30) Bromochloromethane	5.000	128	61481	9.444	ug/L	#	79
32) Chloroform	5.068	83	205642	8.874	ug/L		96

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A03.D
Acq On : 6 Dec 2024 8:46 am
Operator : GONZO:PID
Sample : WG2006732-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 09:48:19 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.197	117	151446	8.572	ug/L		99
37) 1,1,1-Trichloroethane	5.266	97	178833	8.748	ug/L		96
39) 2-Butanone	5.372	43	55575	10.286	ug/L	#	70
40) 1,1-Dichloropropene	5.387	75	154972	9.035	ug/L		98
41) Benzene	5.638	78	502828	9.429	ug/L	#	93
44) 1,2-Dichloroethane	5.843	62	160478	8.884	ug/L		98
48) Trichloroethene	6.230	95	127254	8.890	ug/L		98
50) Dibromomethane	6.679	93	72281	8.872	ug/L		94
51) 1,2-Dichloropropane	6.777	63	139203	10.062	ug/L		96
54) Bromodichloromethane	6.853	83	162591	8.711	ug/L		100
57) 1,4-Dioxane	7.063	88	54774	393.917	ug/L	#	81
58) cis-1,3-Dichloropropene	7.543	75	200018	9.459	ug/L		97
61) Toluene	7.800	92	315239	9.195	ug/L		100
62) 4-Methyl-2-pentanone	8.237	58	42100	8.768	ug/L		96
63) Tetrachloroethene	8.252	166	139725	9.422	ug/L		96
65) trans-1,3-Dichloropropene	8.295	75	172134	8.612	ug/L		96
68) 1,1,2-Trichloroethane	8.481	83	86889	8.333	ug/L		99
69) Chlorodibromomethane	8.696	129	128739	8.925	ug/L		99
70) 1,3-Dichloropropane	8.803	76	182085	8.795	ug/L		98
71) 1,2-Dibromoethane	8.968	107	105061	8.514	ug/L		98
72) 2-Hexanone	9.255	43	73357	8.539	ug/L		96
73) Chlorobenzene	9.612	112	349759	9.495	ug/L		100
74) Ethylbenzene	9.645	91	582817	8.847	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.694	131	123878	8.774	ug/L		99
76) p/m Xylene	9.834	106	450245	17.963	ug/L		95
77) o Xylene	10.377	106	442234	18.219	ug/L		94
78) Styrene	10.443	104	738518	17.876	ug/L		97
80) Bromoform	10.476	173	86270	8.693	ug/L		99
82) Isopropylbenzene	10.756	105	538980	8.831	ug/L		100
84) Bromobenzene	11.192	156	166993	10.108	ug/L		99
85) n-Propylbenzene	11.233	91	630188	8.867	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.332	83	129293	8.368	ug/L		98
88) 4-Ethyltoluene	11.356	105	527359	9.063	ug/L		98
89) 2-Chlorotoluene	11.397	91	398588M6	9.195	ug/L		
90) 1,3,5-Trimethylbenzene	11.455	105	453302	8.798	ug/L		98
91) 1,2,3-Trichloropropane	11.463	75	103893	8.232	ug/L		100
92) trans-1,4-Dichloro-2-b...	11.521	53	35529	6.980	ug/L	#	91
93) 4-Chlorotoluene	11.587	91	413756	9.068	ug/L		99
94) tert-Butylbenzene	11.792	119	379429	9.336	ug/L		100

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A03.D
Acq On : 6 Dec 2024 8:46 am
Operator : GONZO:PID
Sample : WG2006732-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 09:48:19 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241206A\VG241206A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.874	105	441650	8.784	ug/L	100
98) sec-Butylbenzene	11.981	105	505373	8.621	ug/L	99
99) p-Isopropyltoluene	12.138	119	455227	9.157	ug/L	99
100) 1,3-Dichlorobenzene	12.212	146	285952	9.502	ug/L	99
101) 1,4-Dichlorobenzene	12.302	146	293492	9.390	ug/L	99
102) p-Diethylbenzene	12.508	119	253406	9.086	ug/L	96
103) n-Butylbenzene	12.565	91	338533	8.457	ug/L	99
104) 1,2-Dichlorobenzene	12.722	146	276567	9.532	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.298	119	366391	9.341	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.503	155	22161	8.609	ug/L	98
108) Hexachlorobutadiene	14.096	225	60712	10.357	ug/L	97
109) 1,2,4-Trichlorobenzene	14.128	180	155388	10.030	ug/L	97
110) Naphthalene	14.425	128	279048	8.505	ug/L	100
111) 1,2,3-Trichlorobenzene	14.589	180	122429	9.446	ug/L	99

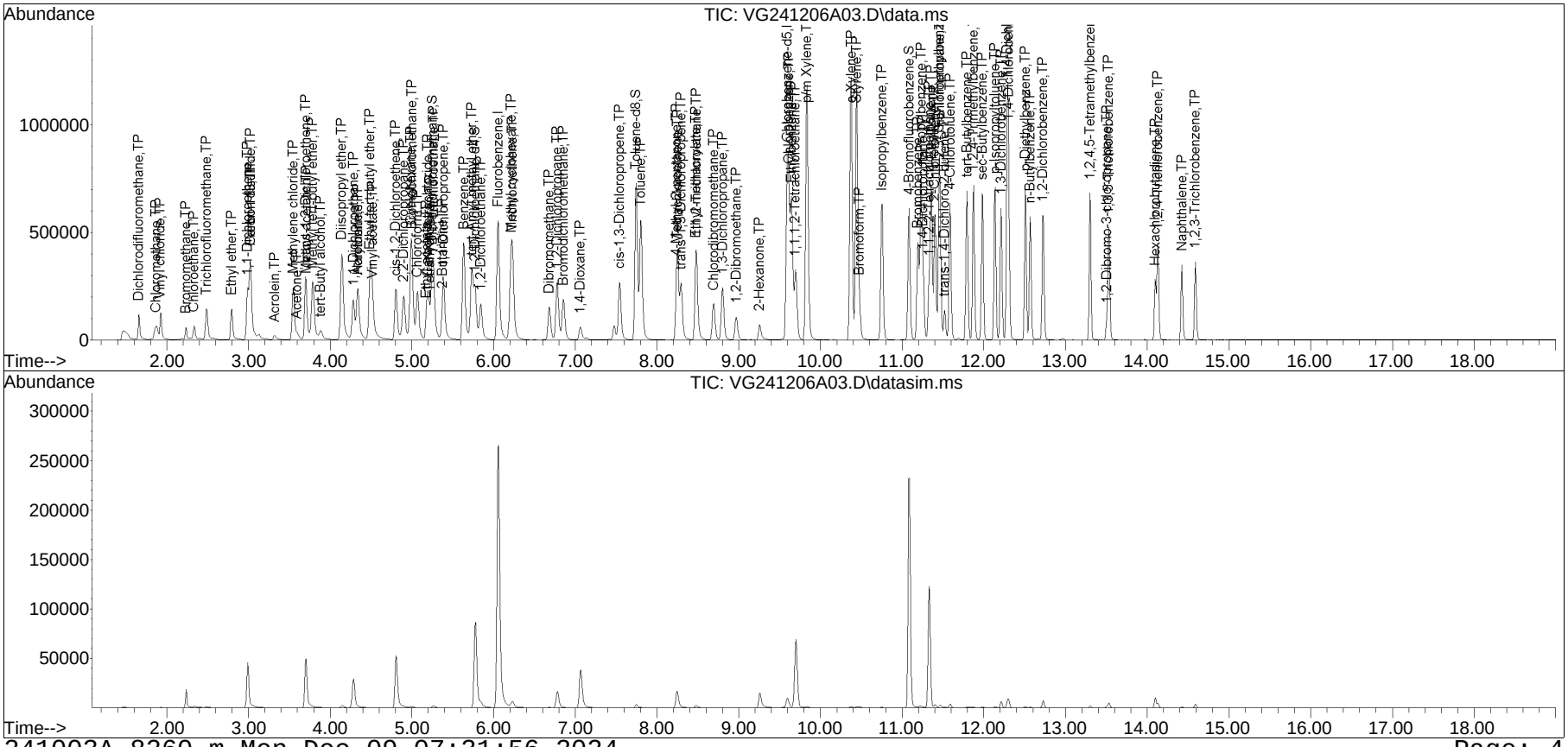
(#) = qualifier out of range (m) = manual integration (+) = signals summed

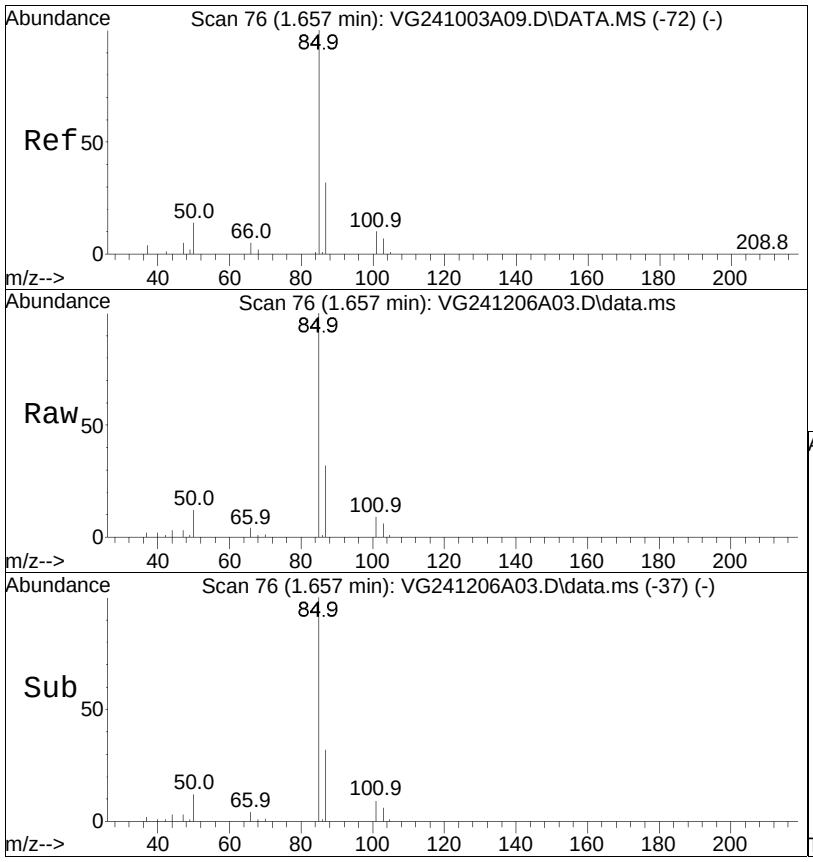
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A03.D
Acq On : 6 Dec 2024 8:46 am
Operator : GONZO:PID
Sample : WG2006732-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2006732,ICAL21571 (Sig #1); WG,ICAL21571 (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 09:48:19 2024
Quant Method : K:\Gonzo\2024\241206A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

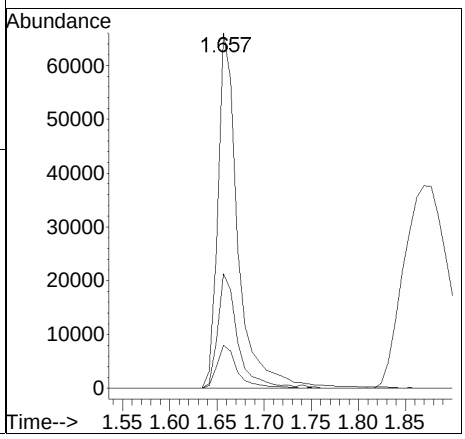


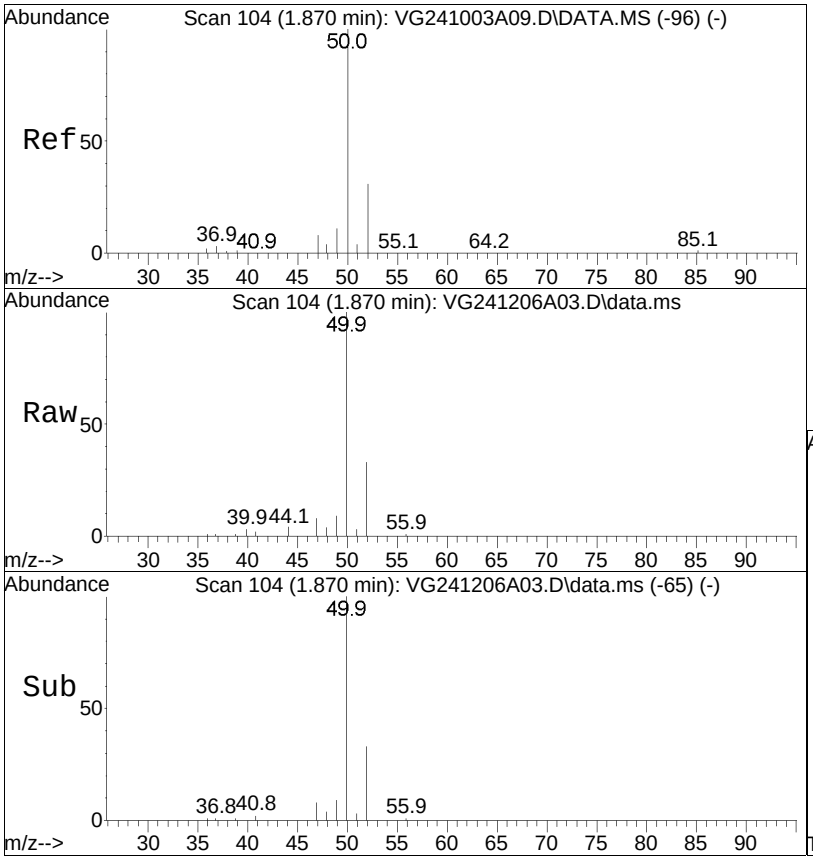


#2
Dichlorodifluoromethane
Concen: 7.22 ug/L
RT: 1.657 min Scan# 76
Delta R.T. -0.000 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 85 Resp: 99133

Ion	Ratio	Lower	Upper
85	100		
87	32.1	20.7	42.9
50	12.6	7.5	15.5

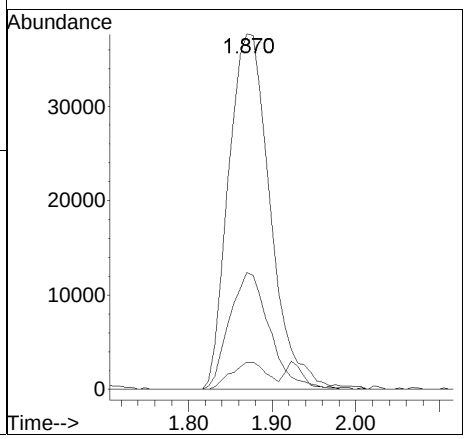


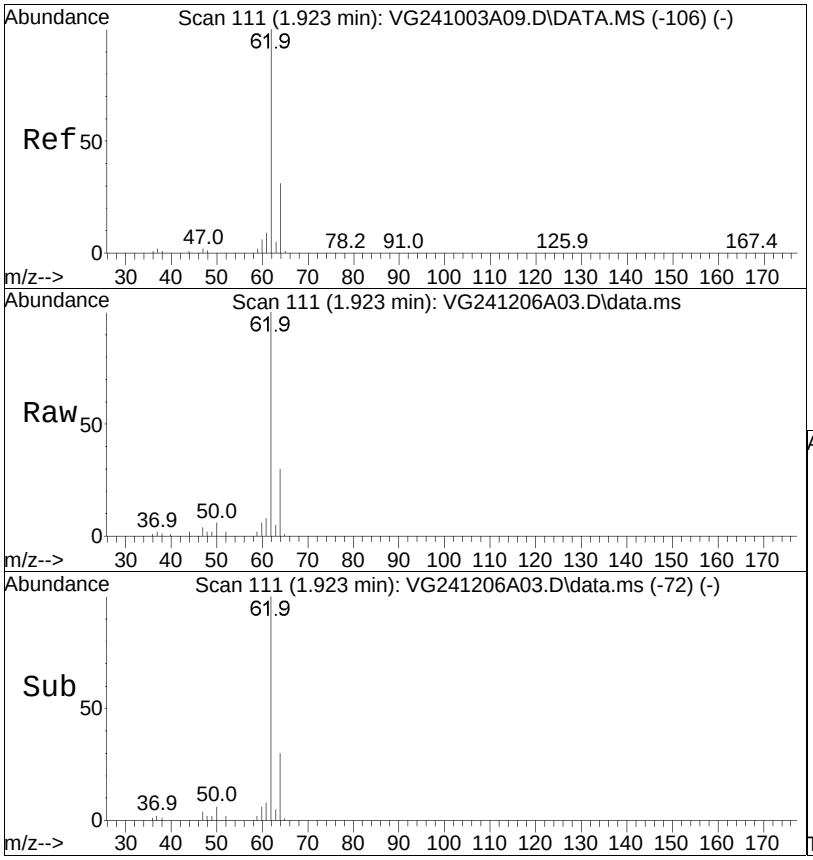


#3
Chloromethane
Concen: 8.77 ug/L
RT: 1.870 min Scan# 104
Delta R.T. -0.000 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 50 Resp: 130561

Ion	Ratio	Lower	Upper
50	100		
52	31.9	11.7	51.7
47	6.7	0.0	28.0

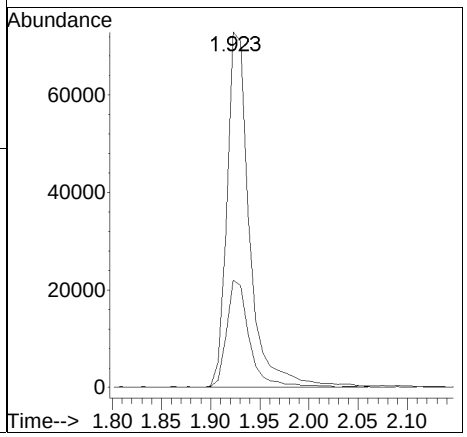


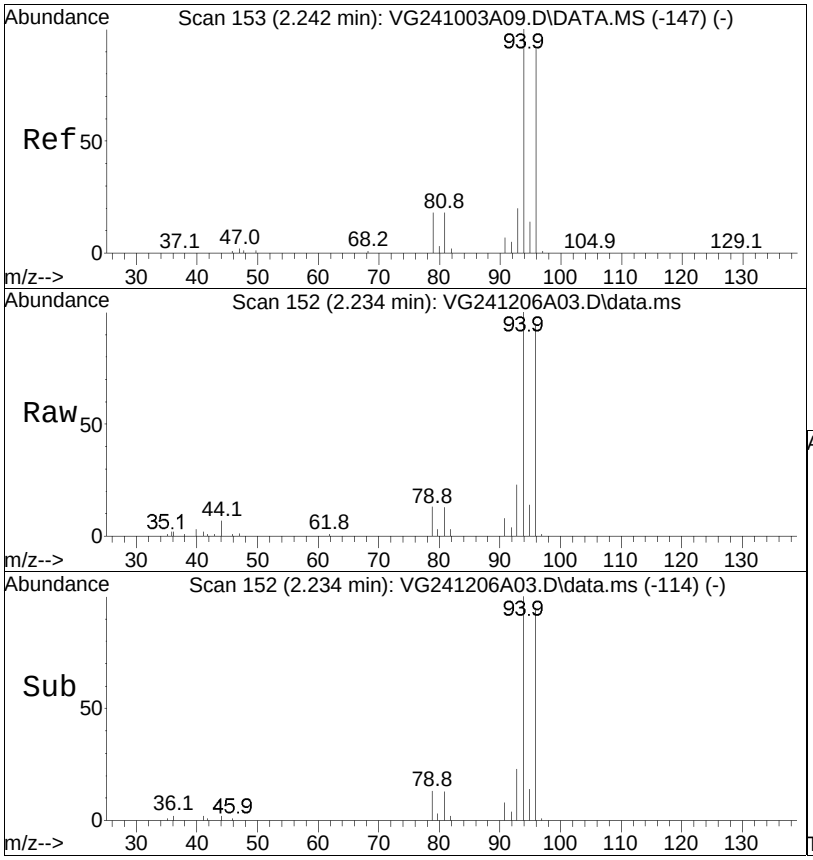


#4
Vinyl chloride
Concen: 7.92 ug/L
RT: 1.923 min Scan# 111
Delta R.T. -0.000 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 62 Resp: 117496

Ion	Ratio	Lower	Upper
62	100		
64	30.4	11.3	51.3

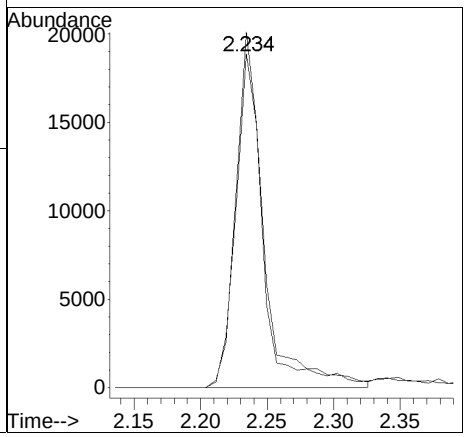


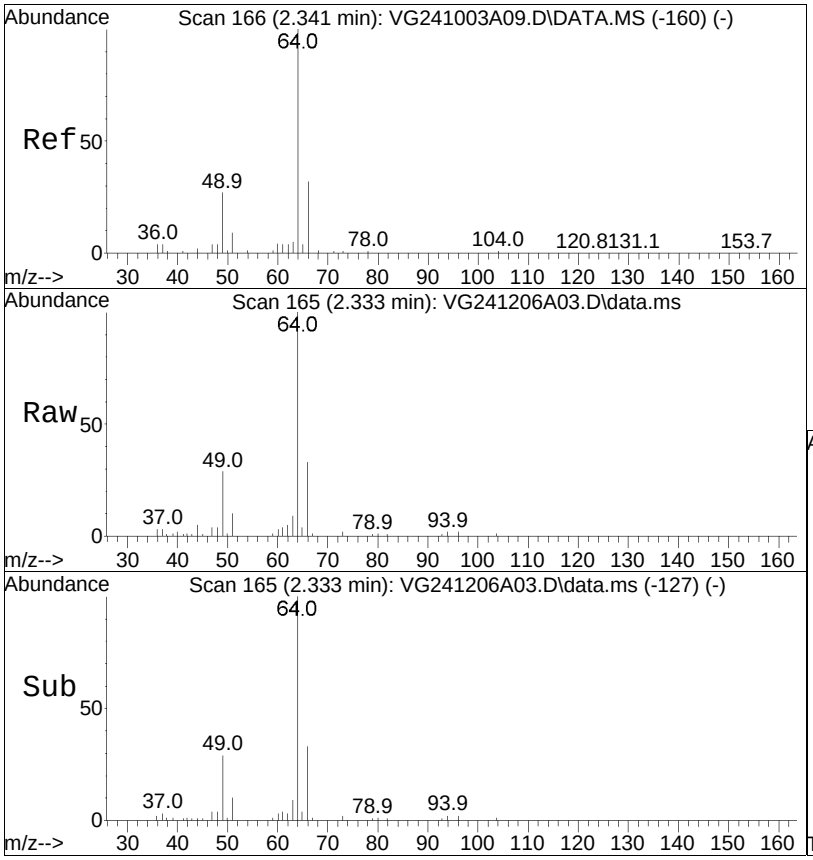


#5
Bromomethane
Concen: 3.46 ug/L
RT: 2.234 min Scan# 152
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 94 Resp: 29625

Ion	Ratio	Lower	Upper
94	100		
96	91.8	75.2	115.2

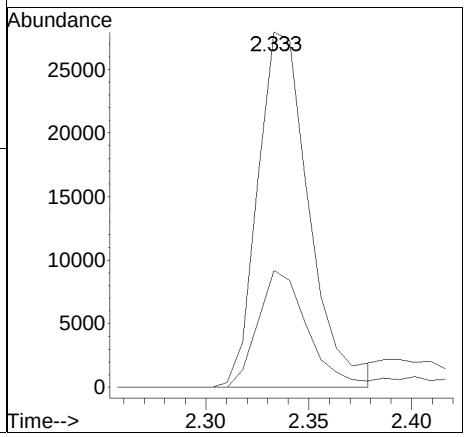


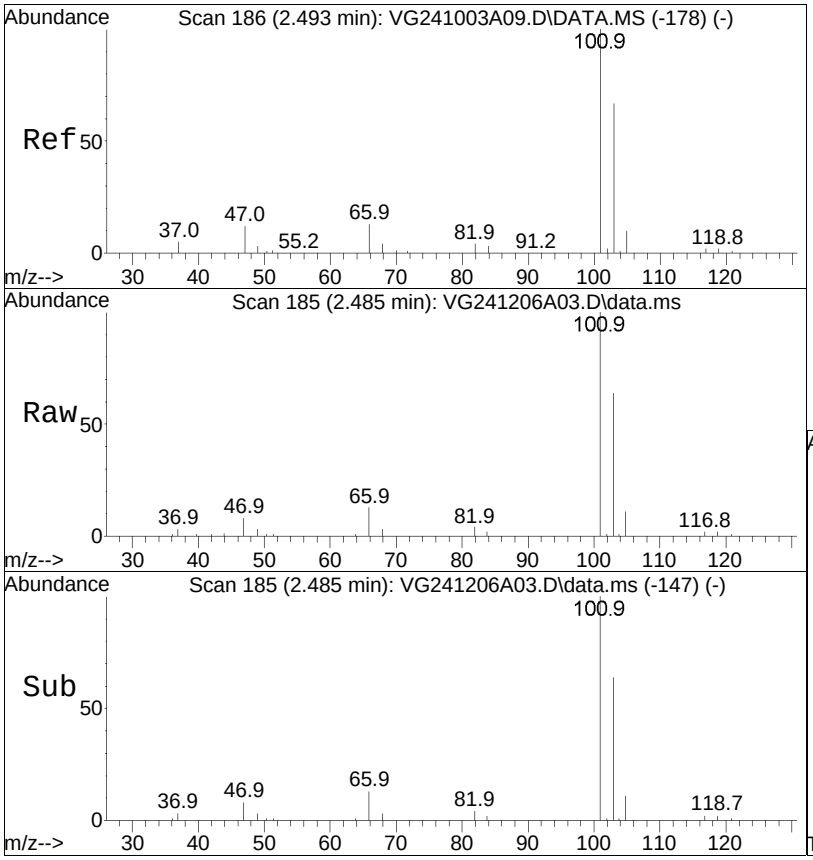


#6
Chloroethane
Concen: 5.66 ug/L
RT: 2.333 min Scan# 165
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 64 Resp: 48329

Ion	Ratio	Lower	Upper
64	100		
66	31.9	13.7	53.7

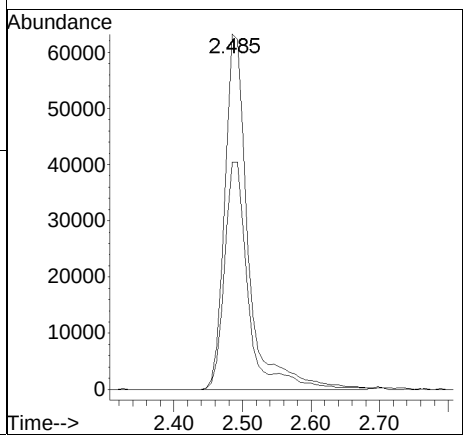


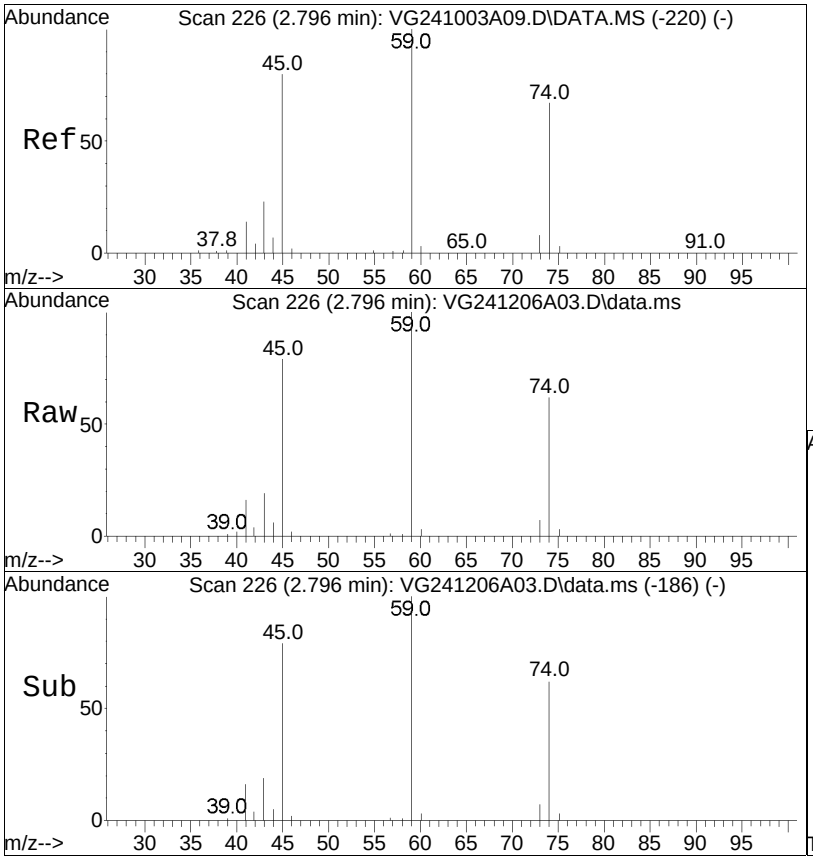


#7
Trichlorofluoromethane
Concen: 7.66 ug/L
RT: 2.485 min Scan# 185
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:101 Resp: 151574

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.2

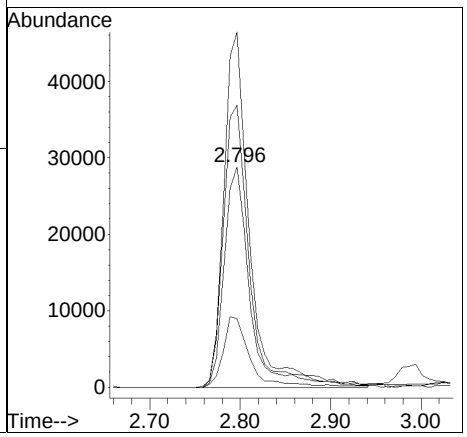


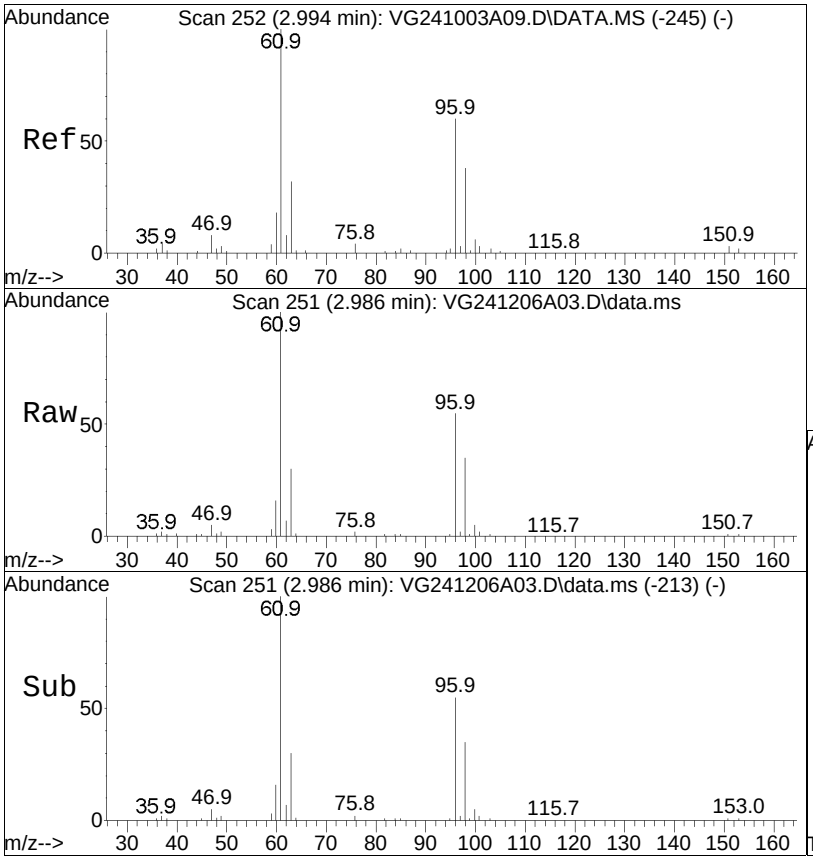


#8
Ethyl ether
Concen: 8.02 ug/L
RT: 2.796 min Scan# 226
Delta R.T. 0.000 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 74 Resp: 57764

Ion	Ratio	Lower	Upper
74	100		
59	160.5	83.5	173.3
45	131.1	59.7	123.9#
43	32.5	17.6	36.6

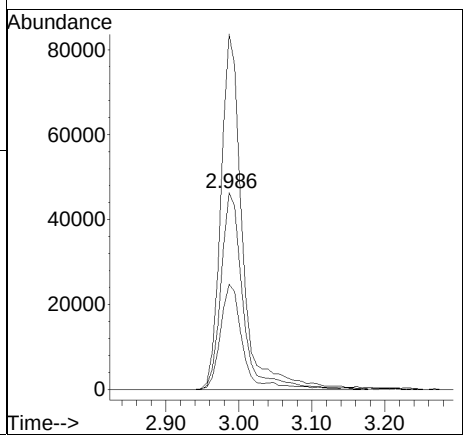


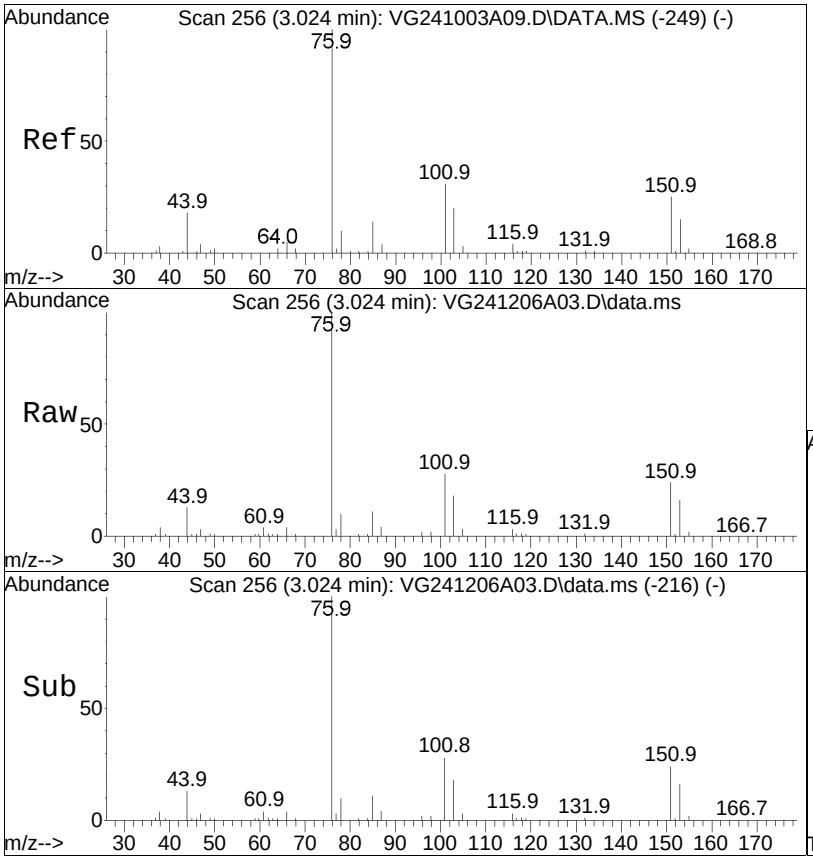


#10
1,1-Dichloroethene
Concen: 8.64 ug/L
RT: 2.986 min Scan# 251
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 96 Resp: 98499

Ion	Ratio	Lower	Upper
96	100		
61	175.2	124.2	186.4
63	53.8	40.0	60.0

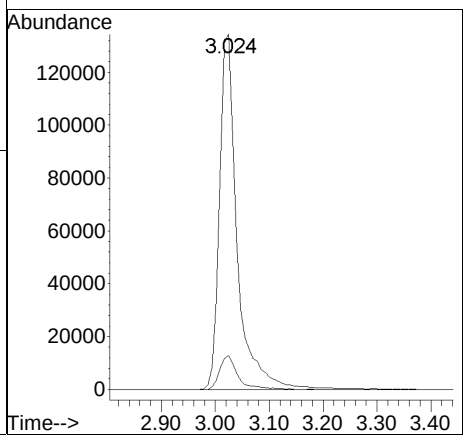


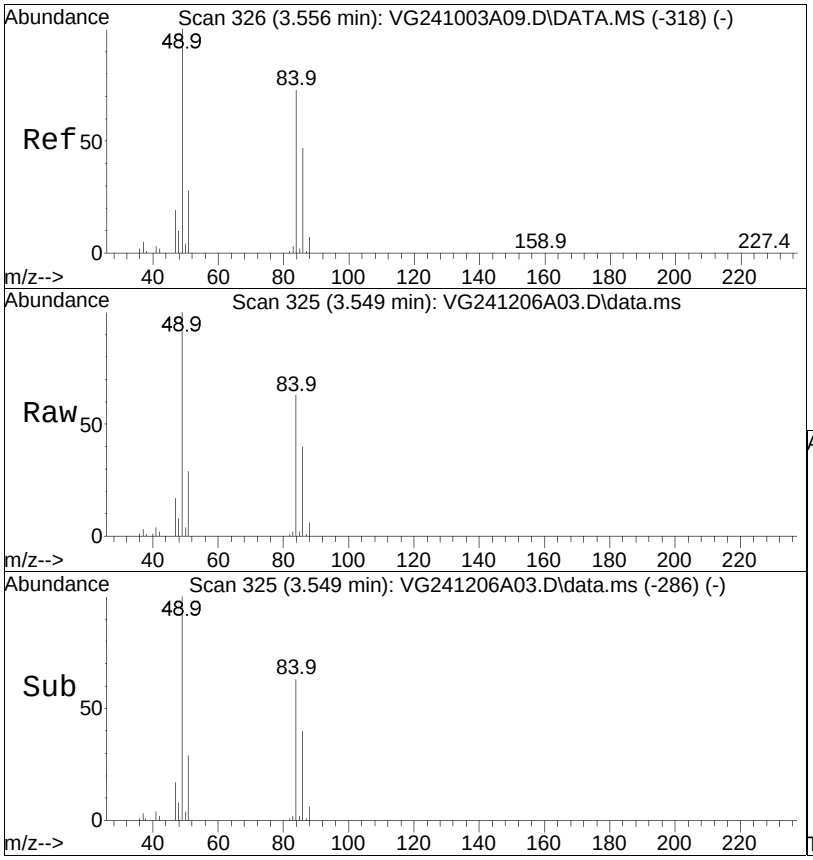


#11
Carbon disulfide
Concen: 8.89 ug/L
RT: 3.024 min Scan# 256
Delta R.T. 0.000 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 76 Resp: 307926

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.6	13.6

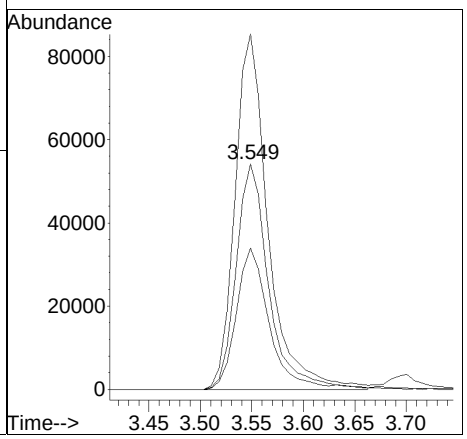


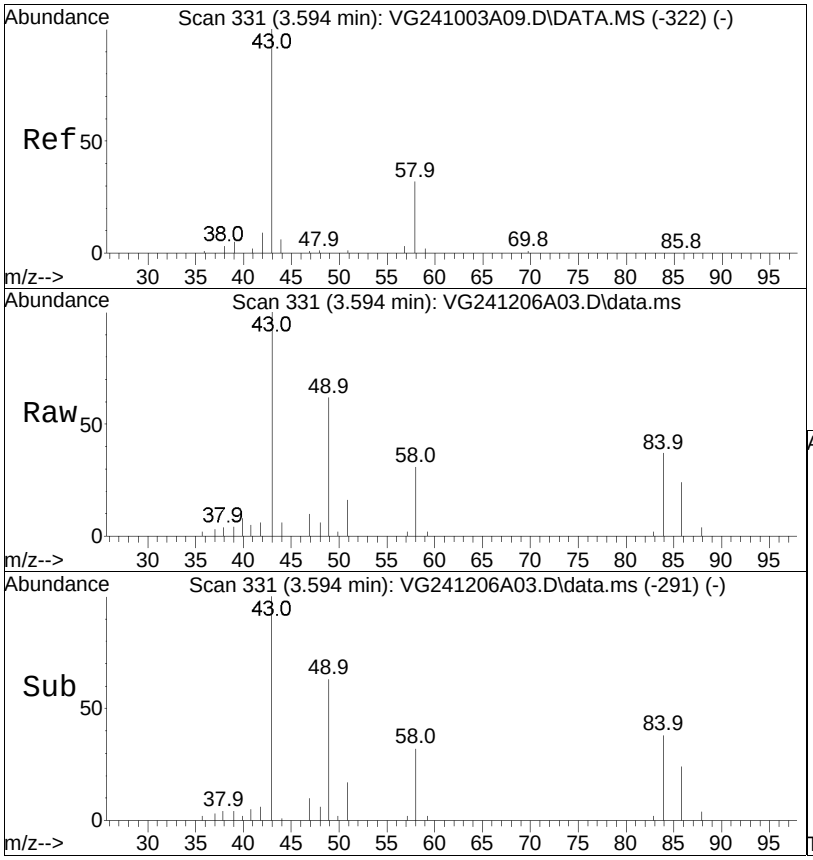


#15
Methylene chloride
Concen: 8.72 ug/L
RT: 3.549 min Scan# 325
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 84 Resp: 119562

Ion	Ratio	Lower	Upper
84	100		
86	64.2	41.1	85.5
49	159.8	76.2	158.2#

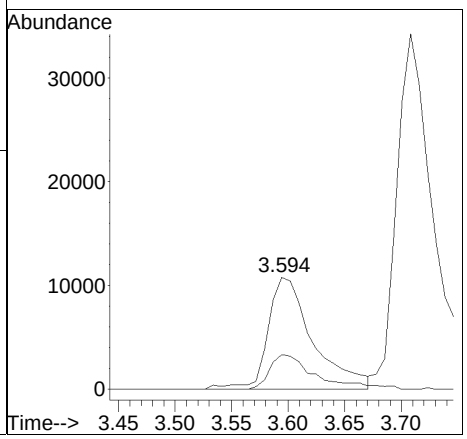


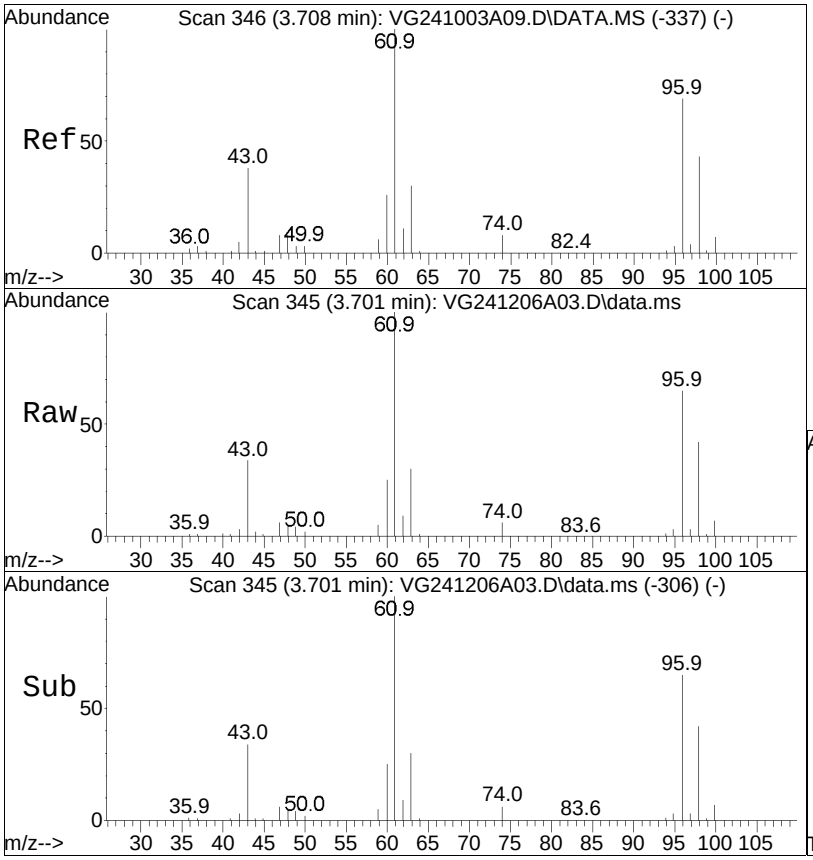


#17
Acetone
Concen: 8.51 ug/L
RT: 3.594 min Scan# 331
Delta R.T. 0.000 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 43 Resp: 30151

Ion	Ratio	Lower	Upper
43	100		
58	31.7	22.2	33.4

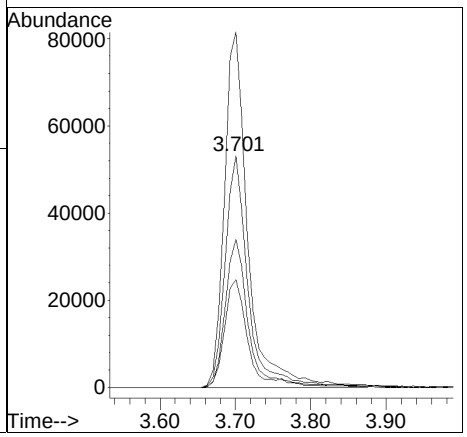


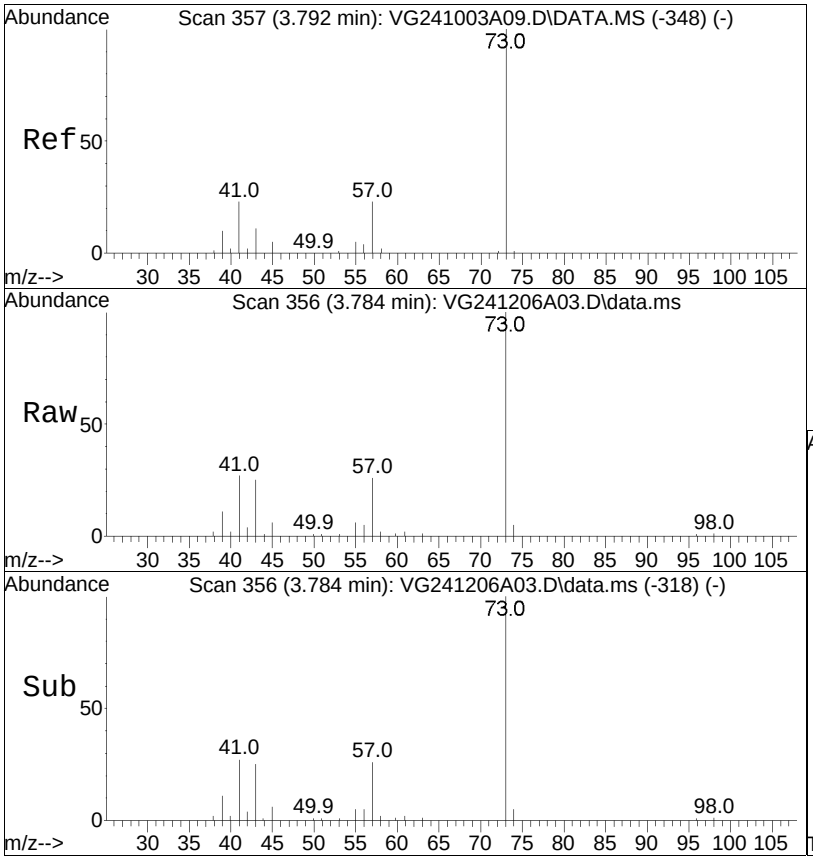


#18
trans-1,2-Dichloroethene
Concen: 9.17 ug/L
RT: 3.701 min Scan# 345
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 96 Resp: 113319

Ion	Ratio	Lower	Upper
96	100		
61	157.4	85.7	178.1
98	63.9	40.2	83.4
63	47.7	28.0	58.2

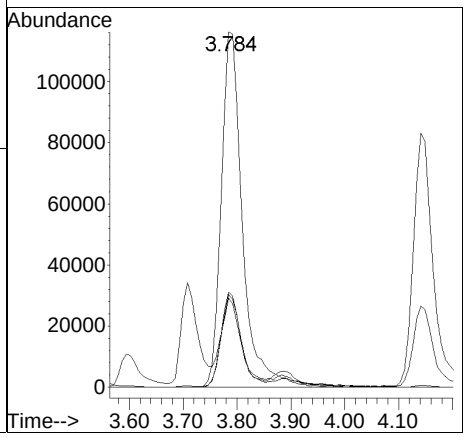


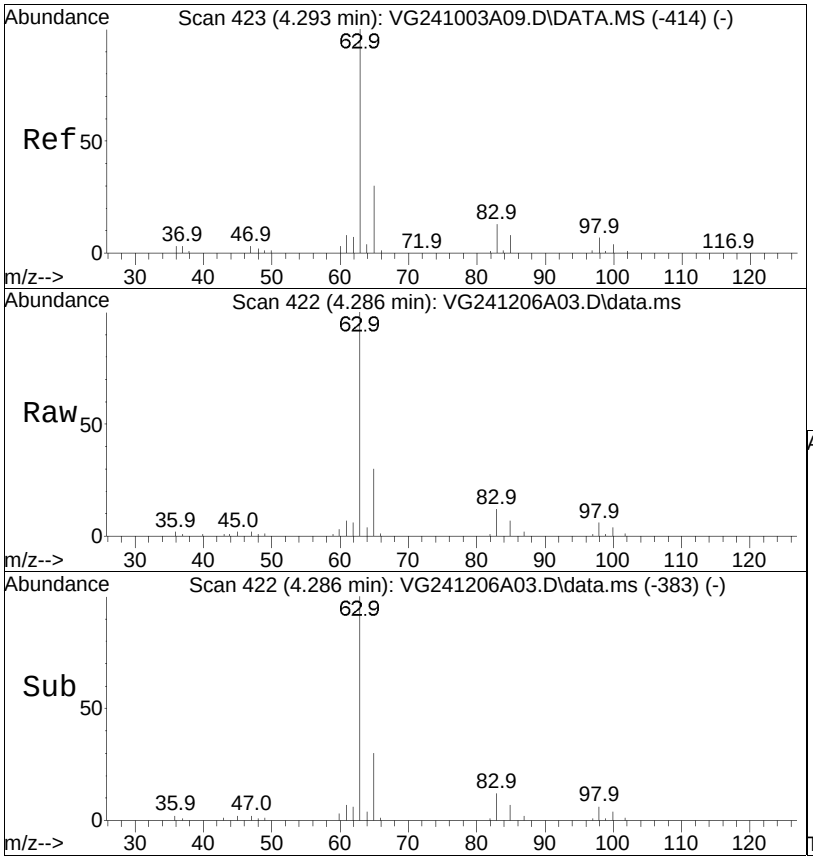


#20
Methyl tert-butyl ether
Concen: 7.73 ug/L
RT: 3.784 min Scan# 356
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 73 Resp: 323259

Ion	Ratio	Lower	Upper
73	100		
57	24.3	12.5	26.1
43	23.3	13.0	27.0
41	24.4	12.5	26.1

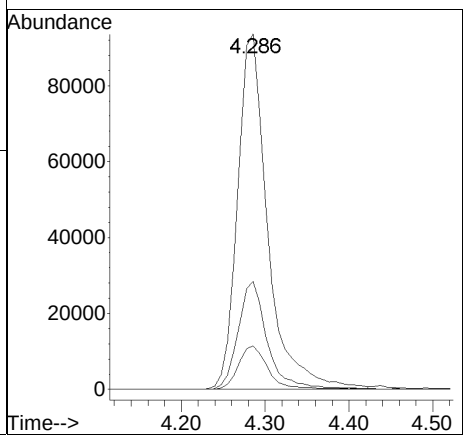


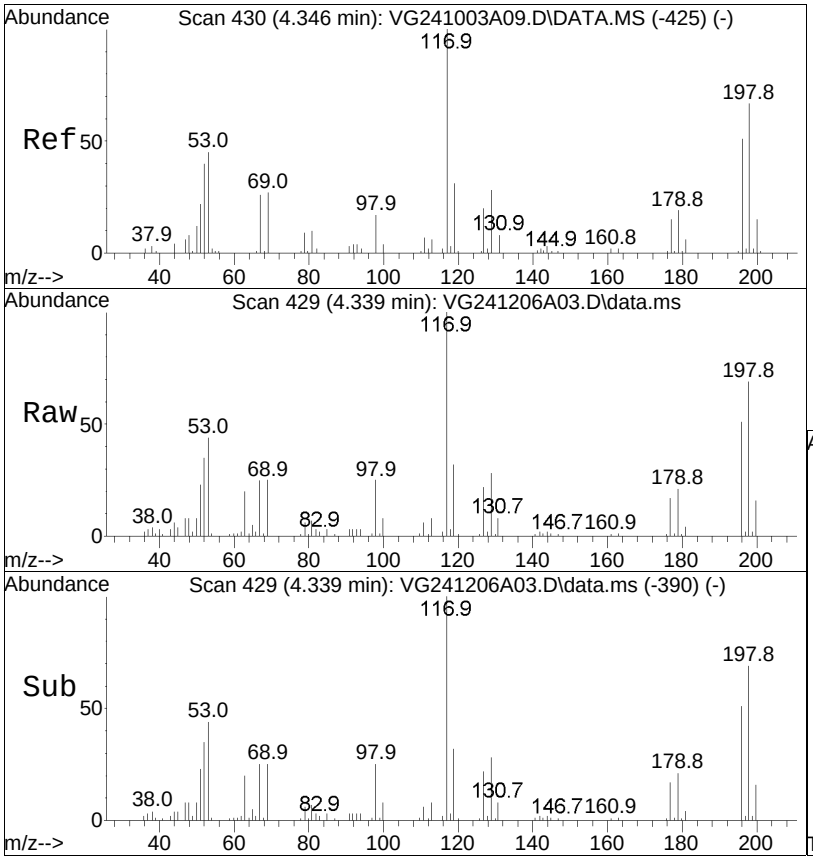


#23
1,1-Dichloroethane
Concen: 9.82 ug/L
RT: 4.286 min Scan# 422
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 63 Resp: 235060

Ion	Ratio	Lower	Upper
63	100		
65	29.6	10.4	50.4
83	12.0	0.0	33.2

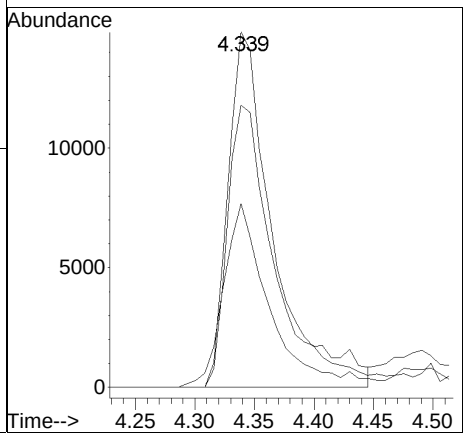


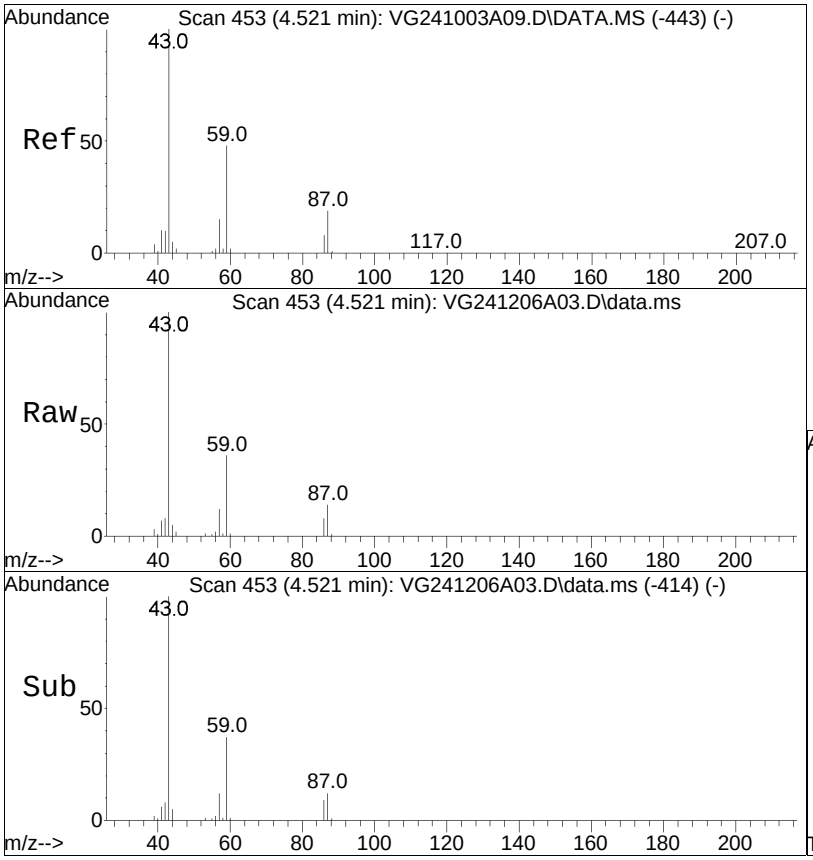


#25
Acrylonitrile
Concen: 8.94 ug/L
RT: 4.339 min Scan# 429
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 53 Resp: 39506

Ion	Ratio	Lower	Upper
53	100		
52	84.3	68.3	102.5
51	52.7	51.9	77.9

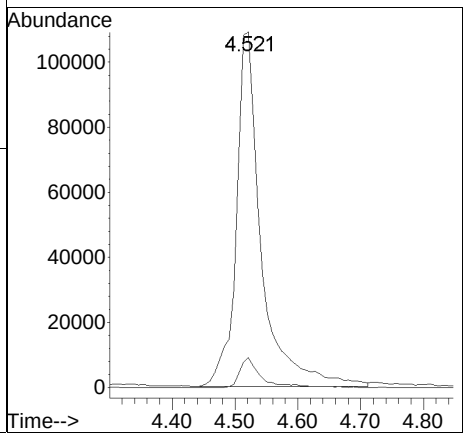


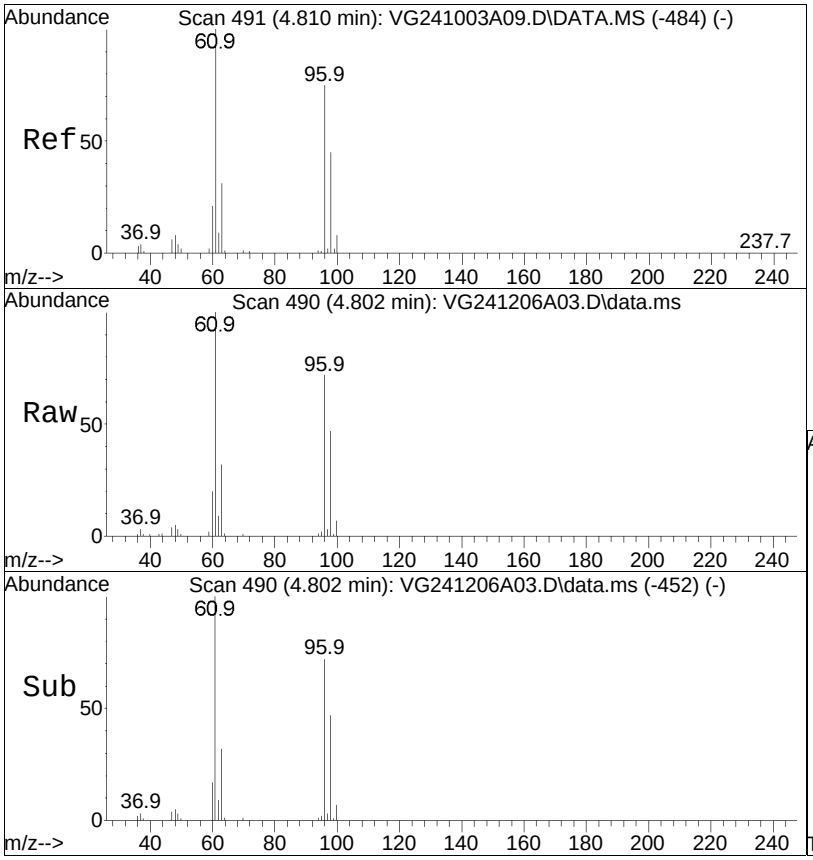


#27
Vinyl acetate
Concen: 9.05 ug/L
RT: 4.521 min Scan# 453
Delta R.T. 0.000 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 43 Resp: 303757

Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.3	9.5

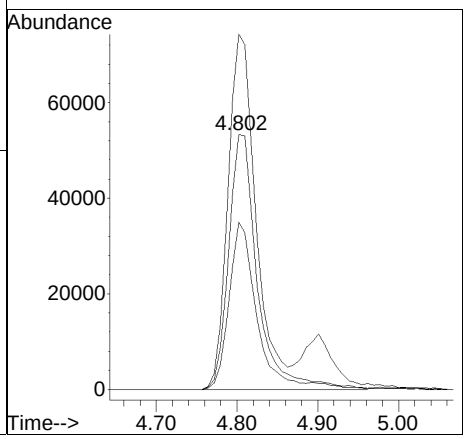


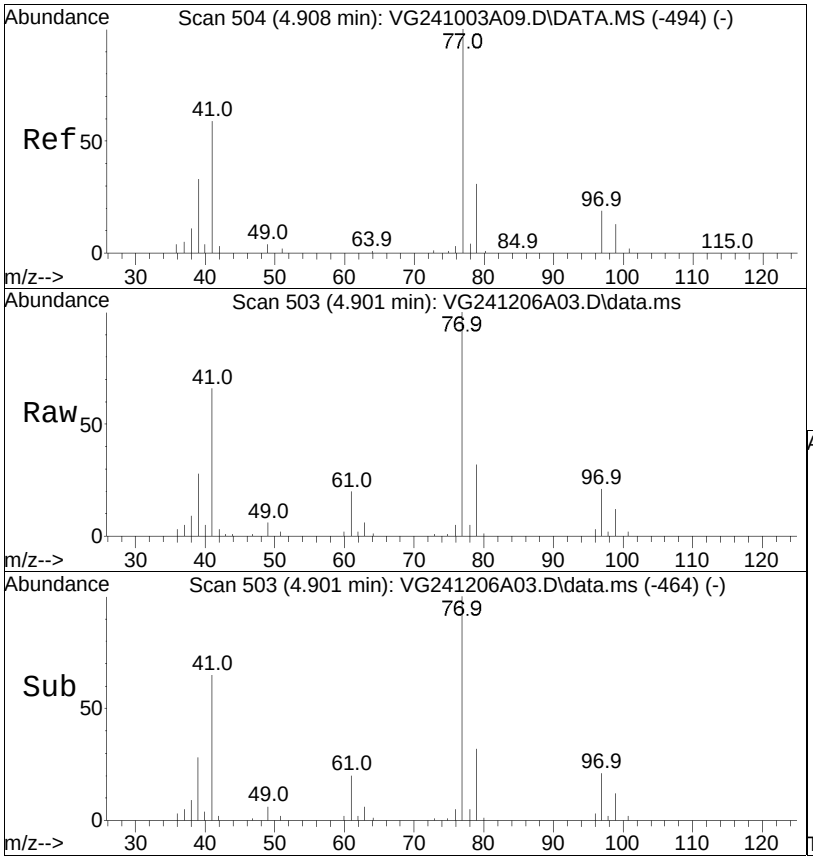


#28
cis-1,2-Dichloroethene
Concen: 9.25 ug/L
RT: 4.802 min Scan# 490
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 96 Resp: 132362

Ion	Ratio	Lower	Upper
96	100		
61	134.2	96.6	144.8
98	61.5	51.3	76.9

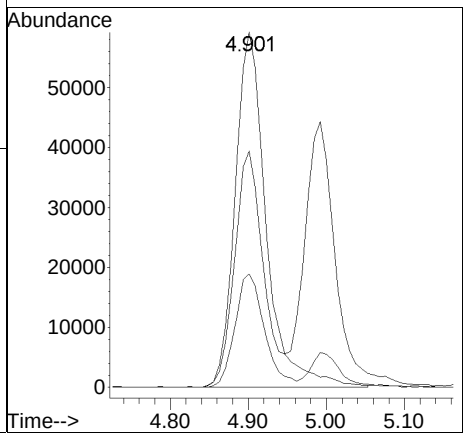


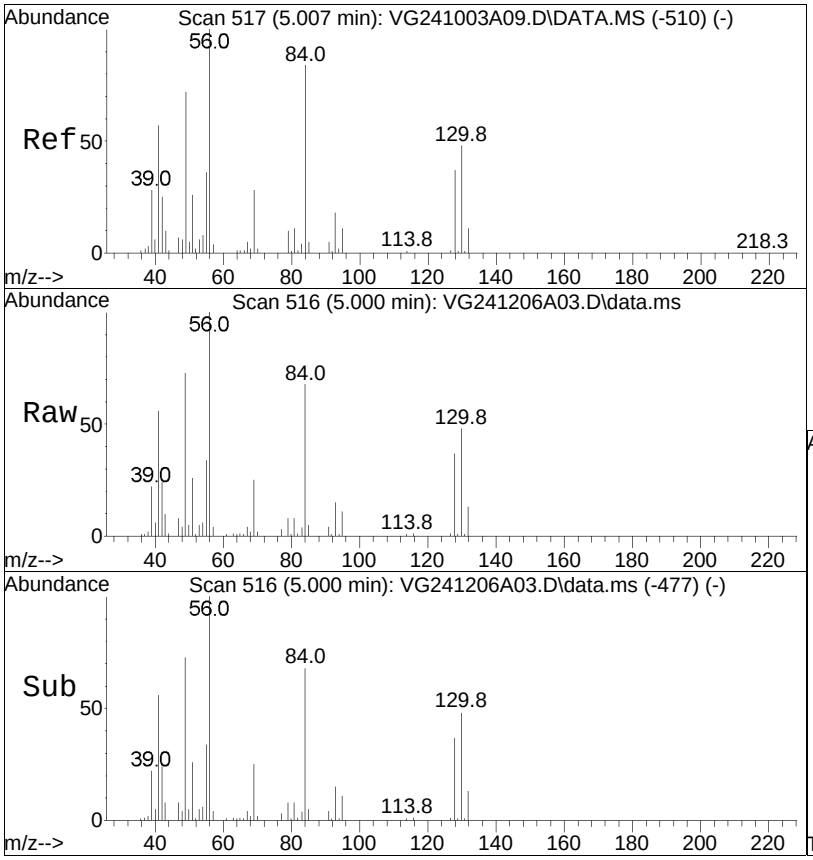


#29
2,2-Dichloropropane
Concen: 10.31 ug/L
RT: 4.901 min Scan# 503
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 77 Resp: 164041

Ion	Ratio	Lower	Upper
77	100		
41	61.7	38.1	79.1
79	30.4	20.6	42.8

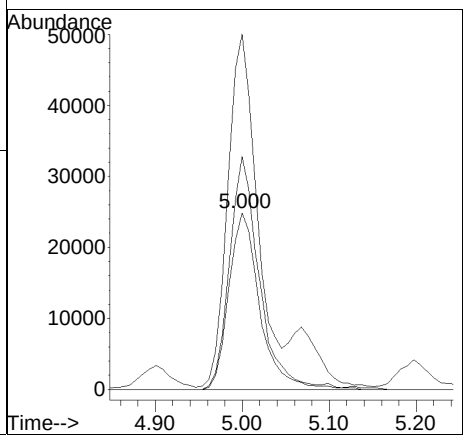


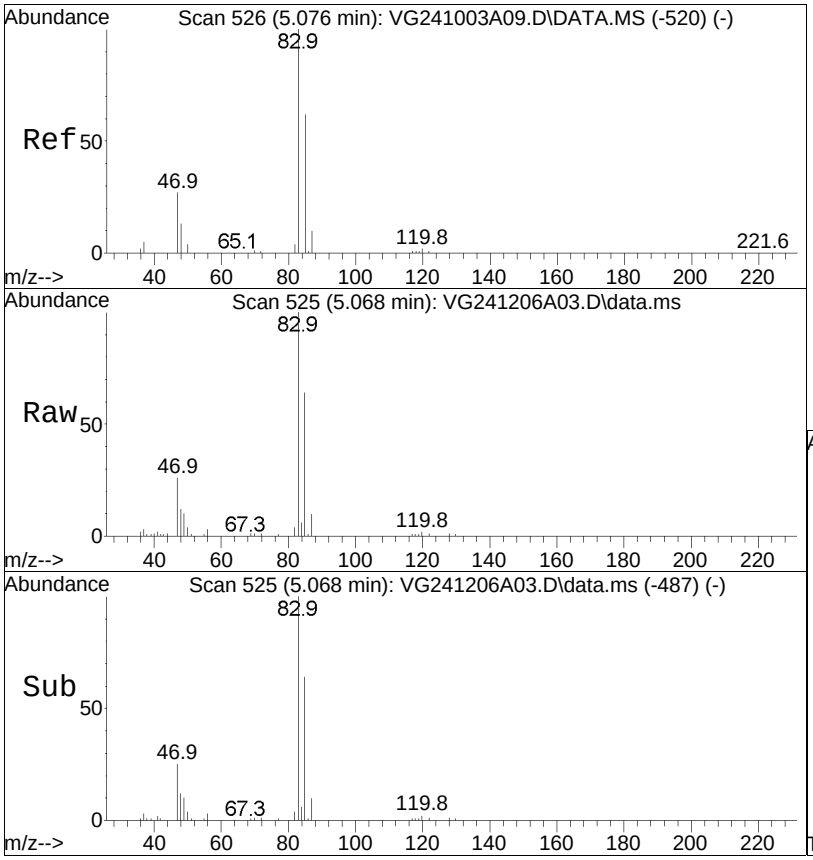


#30
Bromochloromethane
Concen: 9.44 ug/L
RT: 5.000 min Scan# 516
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:128 Resp: 61481

Ion	Ratio	Lower	Upper
128	100		
49	188.4	112.7	169.1#
130	126.7	103.3	154.9

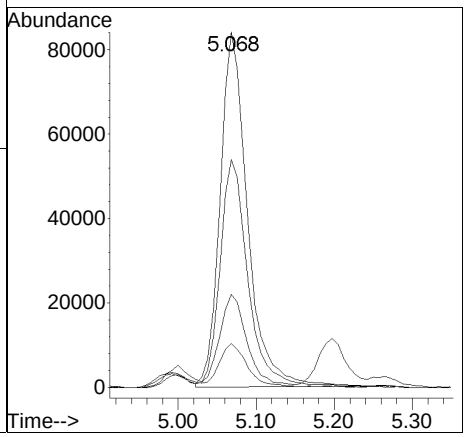


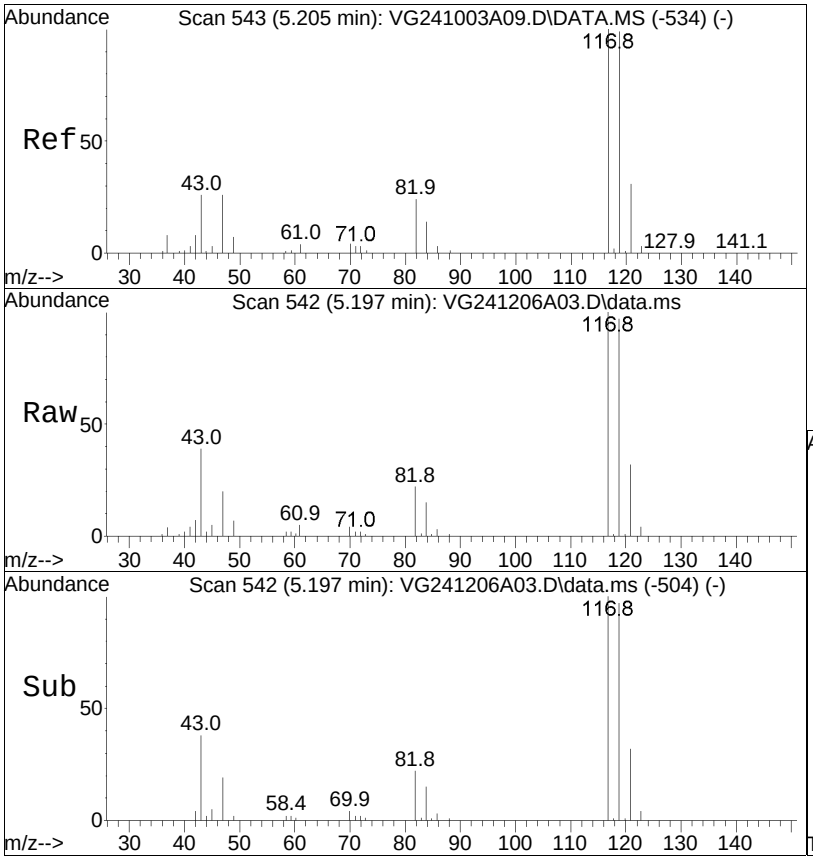


#32
Chloroform
Concen: 8.87 ug/L
RT: 5.068 min Scan# 525
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 83 Resp: 205642

Ion	Ratio	Lower	Upper
83	100		
85	66.1	41.4	86.0
47	26.4	15.1	31.3
48	12.1	7.7	16.1

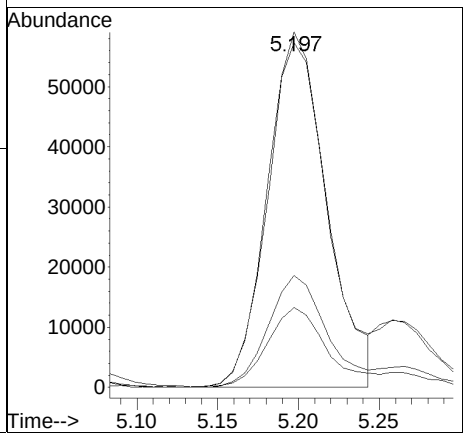


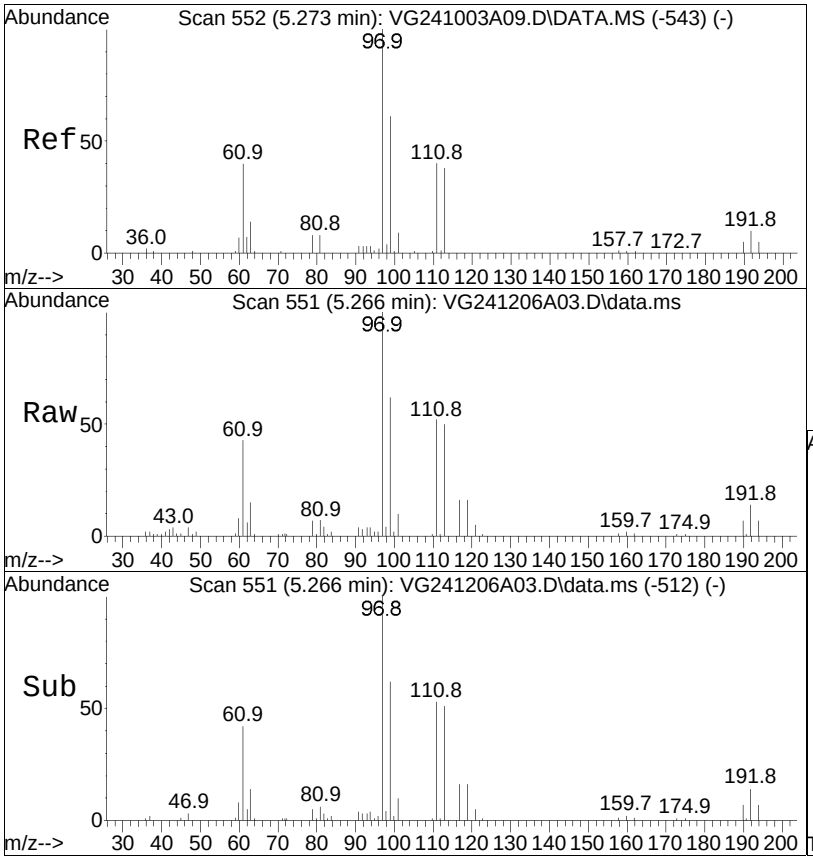


#34
Carbon tetrachloride
Concen: 8.57 ug/L
RT: 5.197 min Scan# 542
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:117 Resp: 151446

Ion	Ratio	Lower	Upper
117	100		
119	98.0	63.2	131.2
121	31.0	20.4	42.4
82	23.1	15.4	32.0

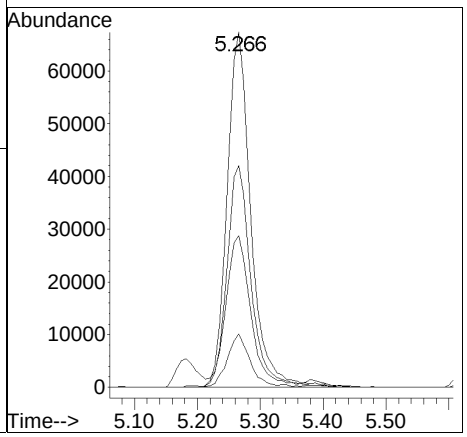


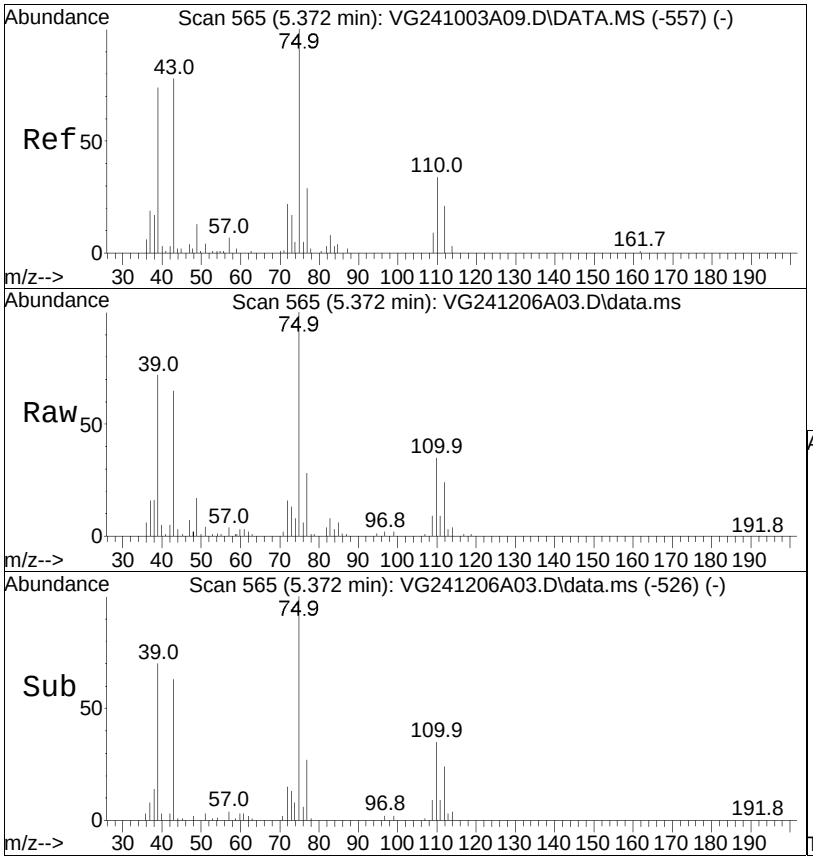


#37
1,1,1-Trichloroethane
Concen: 8.75 ug/L
RT: 5.266 min Scan# 551
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 97 Resp: 178833

Ion	Ratio	Lower	Upper
97	100		
99	63.0	41.3	85.7
61	45.0	26.0	54.0
63	14.6	8.6	18.0

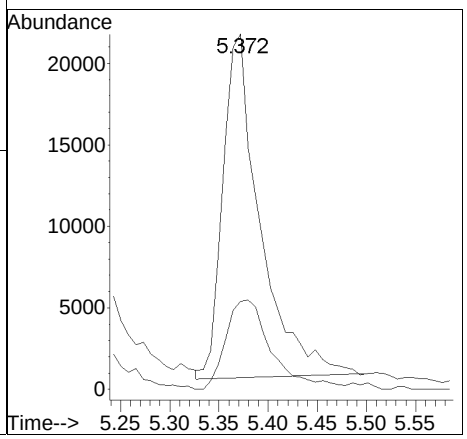


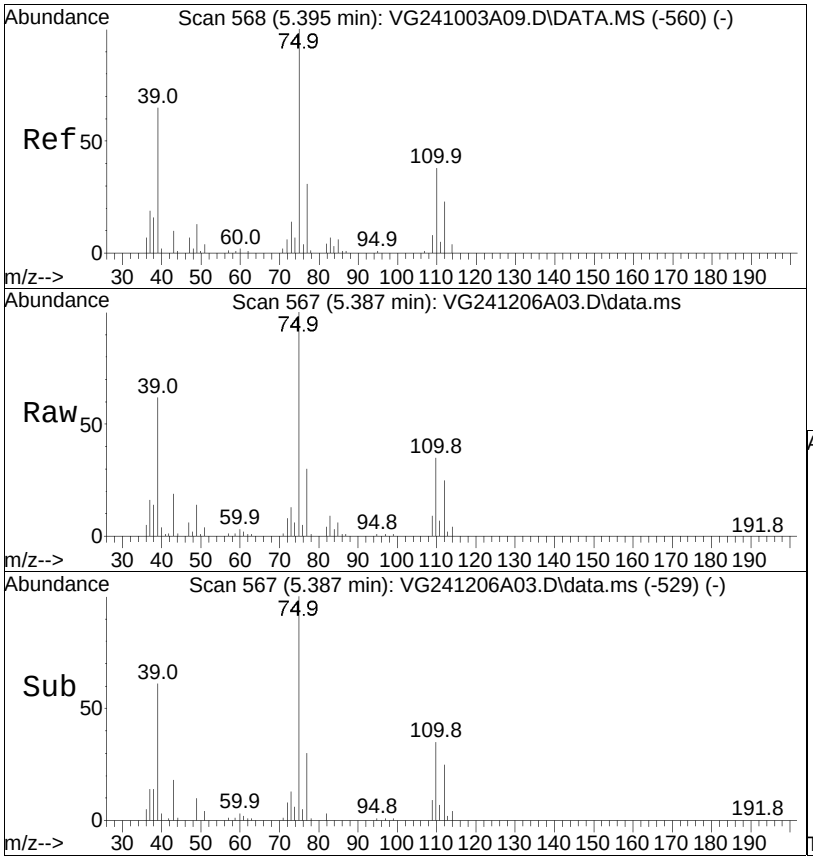


#39
2-Butanone
Concen: 10.29 ug/L
RT: 5.372 min Scan# 565
Delta R.T. -0.000 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 43 Resp: 55575

Ion	Ratio	Lower	Upper
43	100		
72	32.0	42.6	63.8#

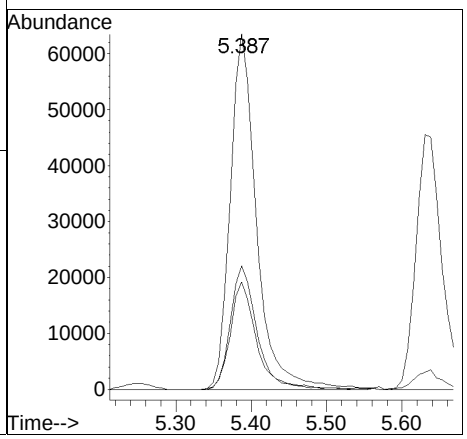


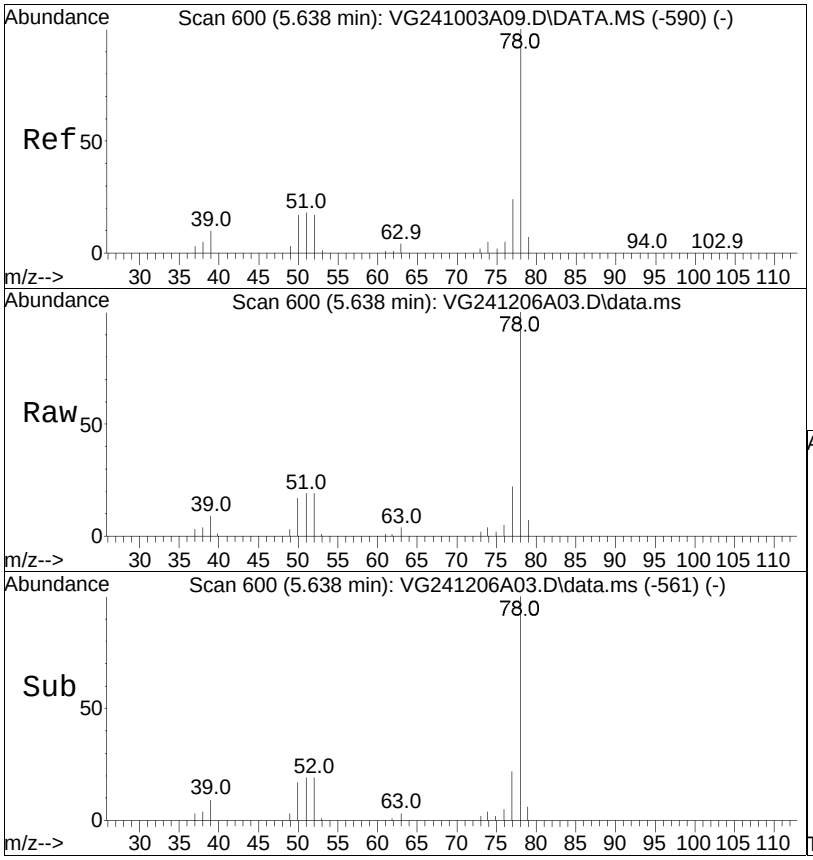


#40
1,1-Dichloropropene
Concen: 9.04 ug/L
RT: 5.387 min Scan# 567
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 75 Resp: 154972

Ion	Ratio	Lower	Upper
75	100		
110	35.3	24.1	50.1
77	29.7	19.8	41.0

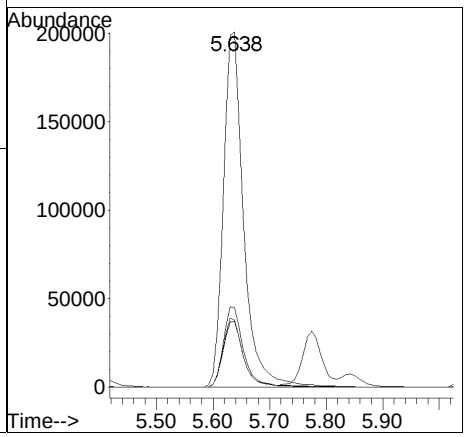


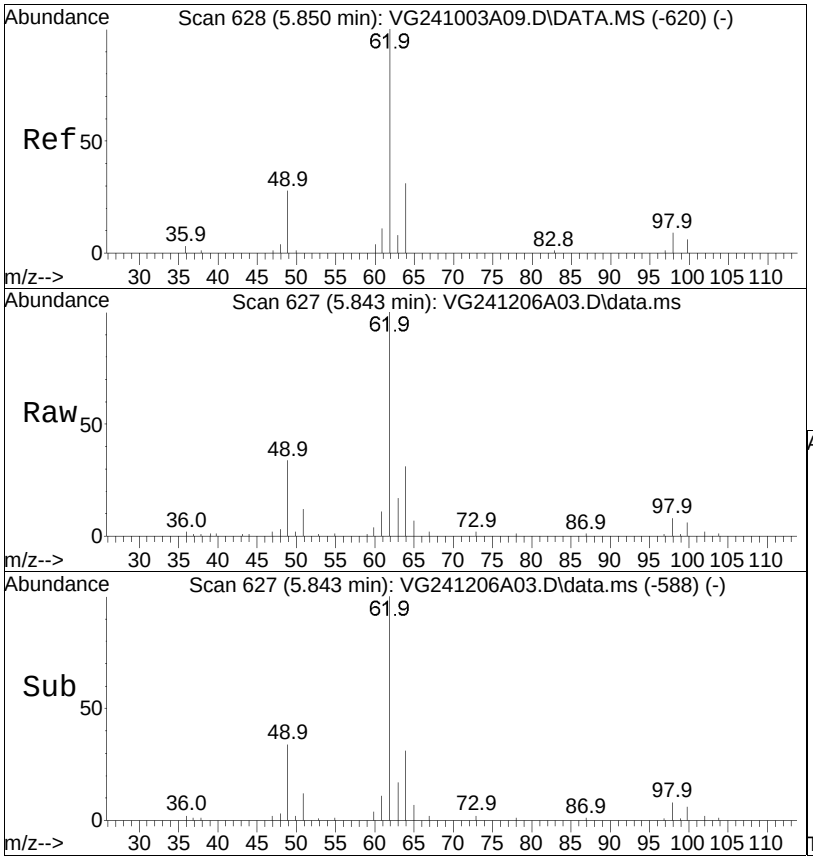


#41
Benzene
Concen: 9.43 ug/L
RT: 5.638 min Scan# 600
Delta R.T. -0.000 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 78 Resp: 502828

Ion	Ratio	Lower	Upper
78	100		
77	22.8	15.5	32.1
51	18.6	9.9	20.7
52	19.5	9.2	19.2#

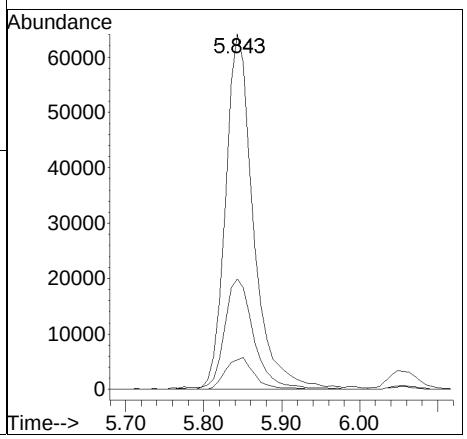


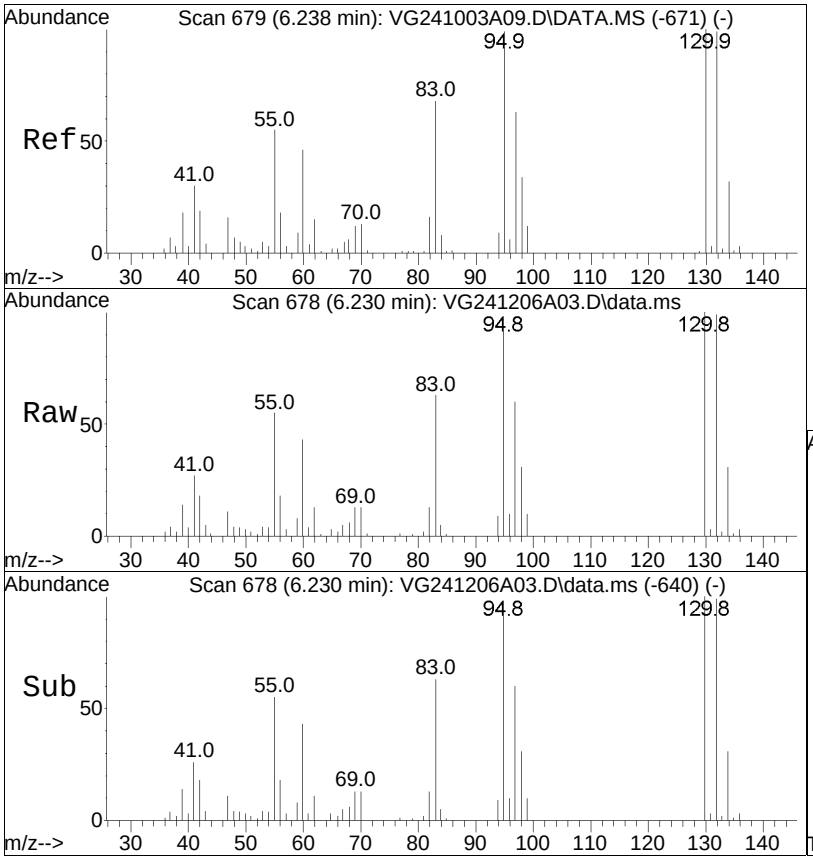


#44
1,2-Dichloroethane
Concen: 8.88 ug/L
RT: 5.843 min Scan# 627
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 62 Resp: 160478

Ion	Ratio	Lower	Upper
62	100		
64	33.2	11.9	51.9
98	9.2	0.0	29.3

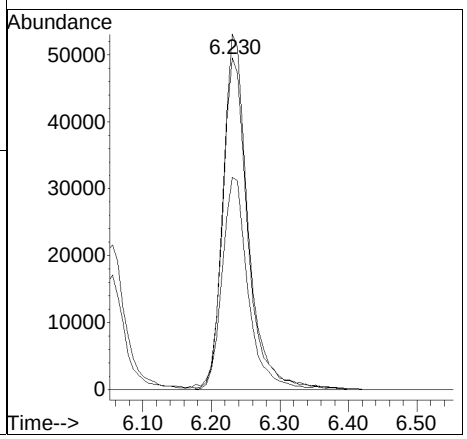


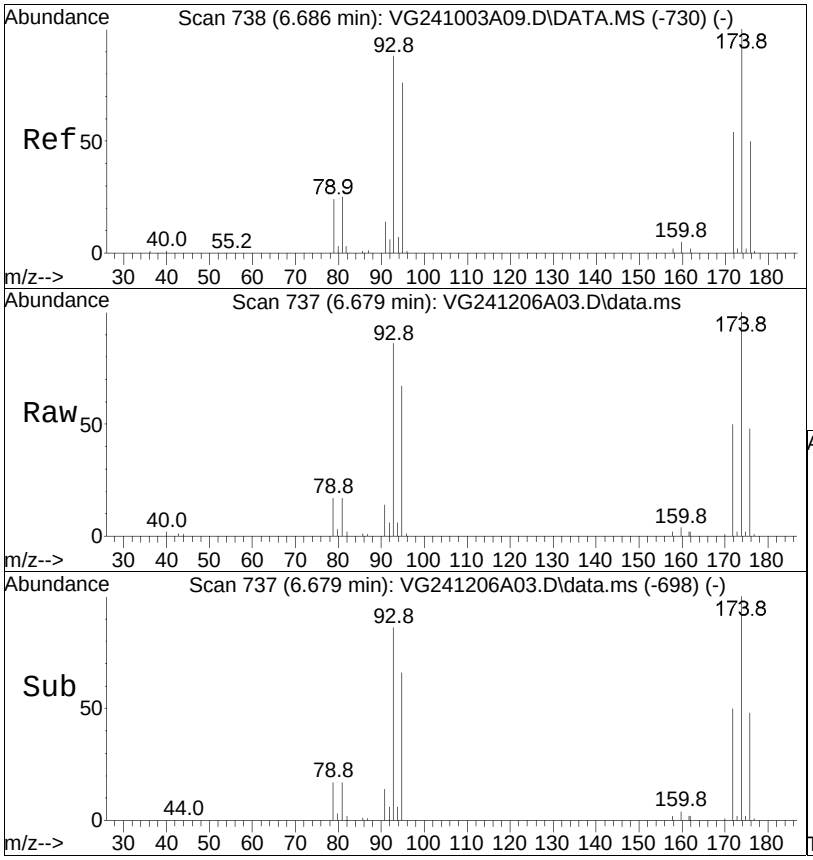


#48
Trichloroethene
Concen: 8.89 ug/L
RT: 6.230 min Scan# 678
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 95 Resp: 127254

Ion	Ratio	Lower	Upper
95	100		
97	64.6	54.0	81.0
130	105.7	85.0	127.4

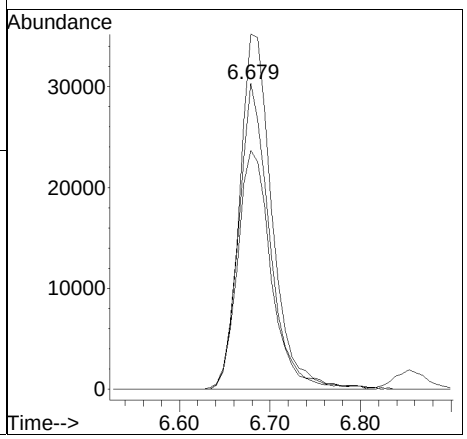


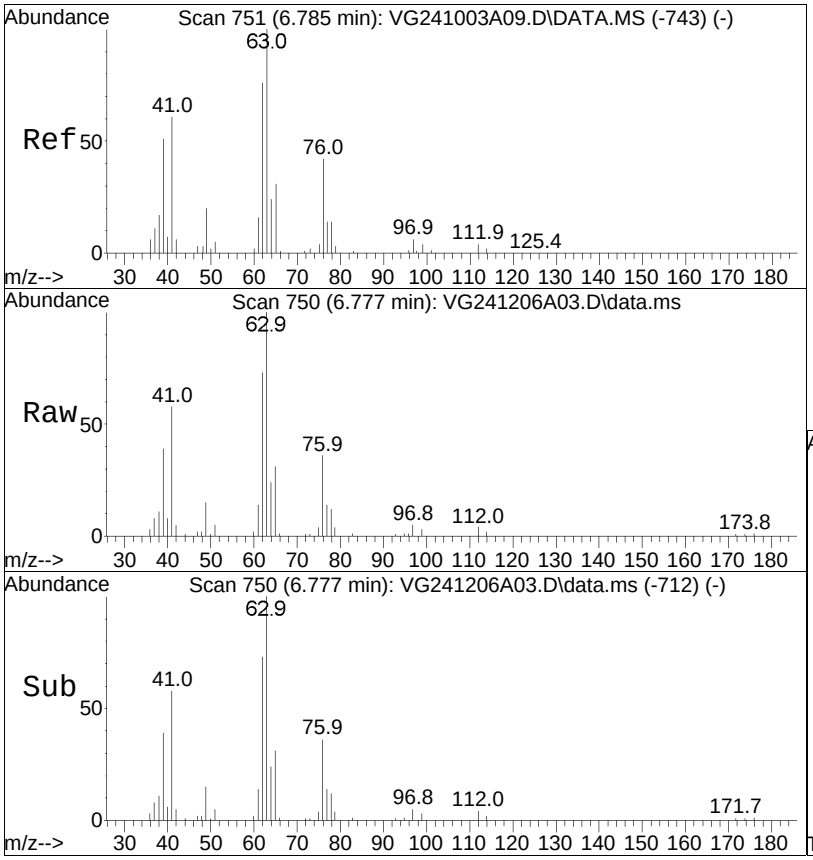


#50
Dibromomethane
Concen: 8.87 ug/L
RT: 6.679 min Scan# 737
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 93 Resp: 72281

Ion	Ratio	Lower	Upper
93	100		
95	85.0	66.6	100.0
174	122.8	90.5	135.7

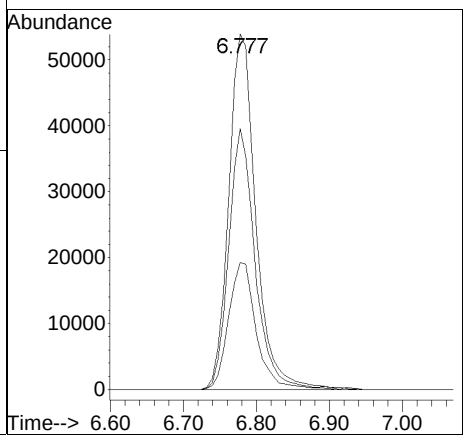


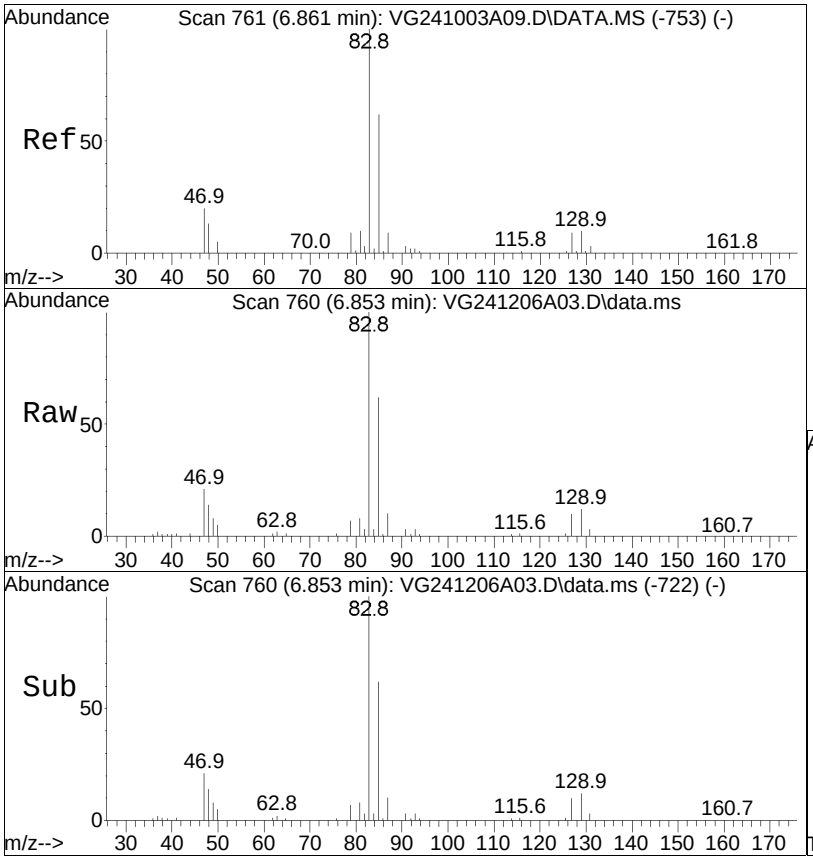


#51
1,2-Dichloropropane
Concen: 10.06 ug/L
RT: 6.777 min Scan# 750
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 63 Resp: 139203

Ion	Ratio	Lower	Upper
63	100		
62	71.1	56.5	84.7
76	36.4	34.6	52.0

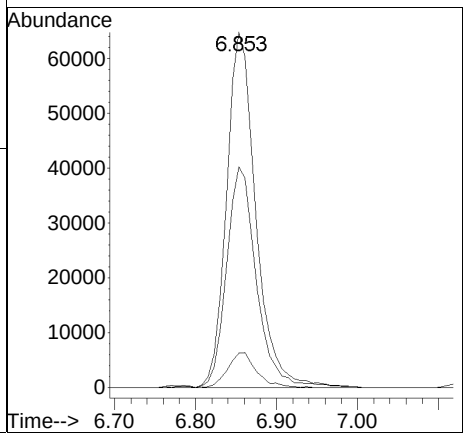


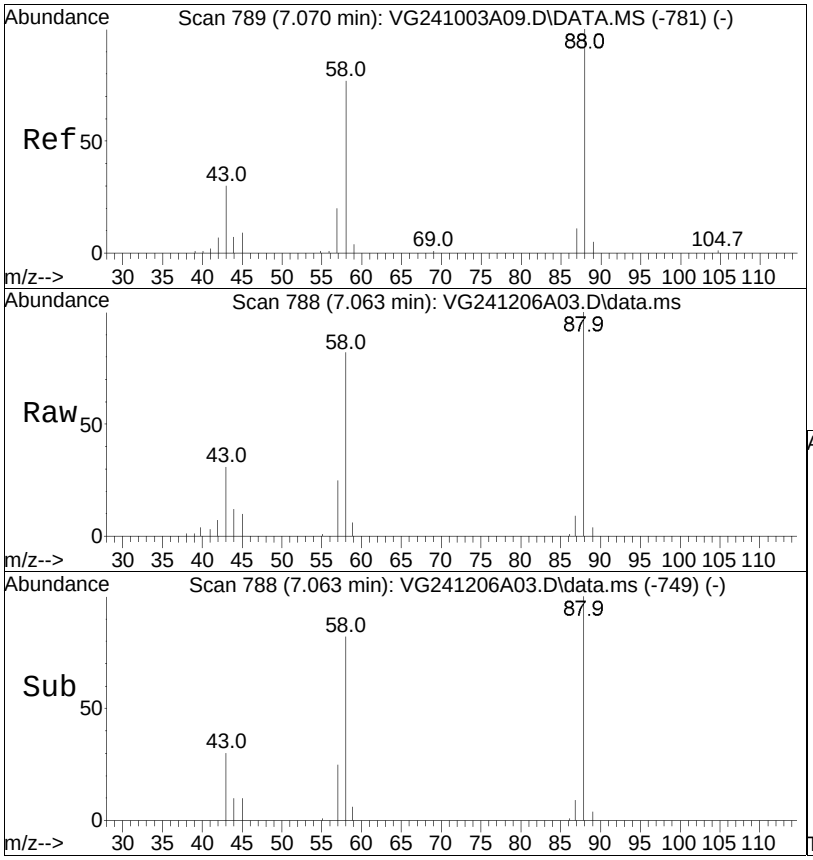


#54
Bromodichloromethane
Concen: 8.71 ug/L
RT: 6.853 min Scan# 760
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 83 Resp: 162591

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.8	76.2
127	9.6	7.4	11.2

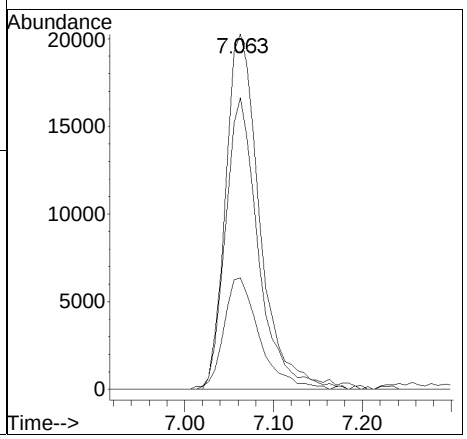


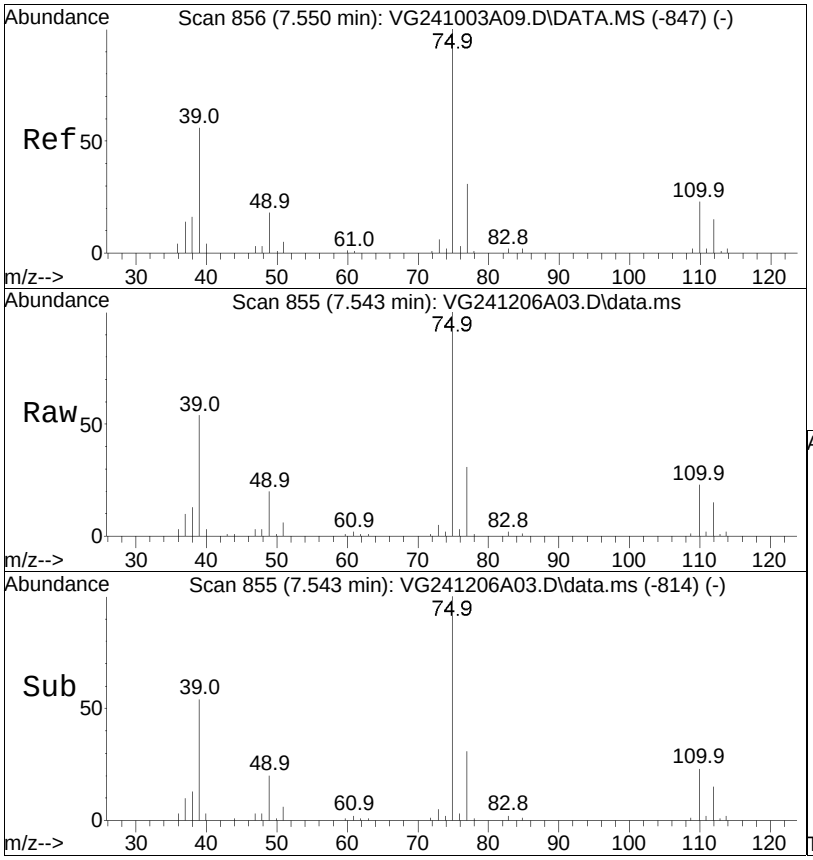


#57
1,4-Dioxane
Concen: 393.92 ug/L
RT: 7.063 min Scan# 788
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 88 Resp: 54774

Ion	Ratio	Lower	Upper
88	100		
58	78.6	48.7	73.1#
43	32.7	22.4	33.6

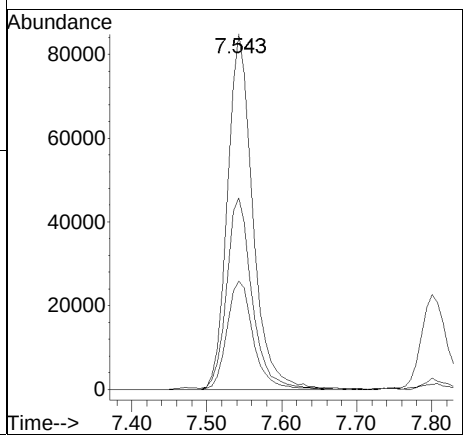


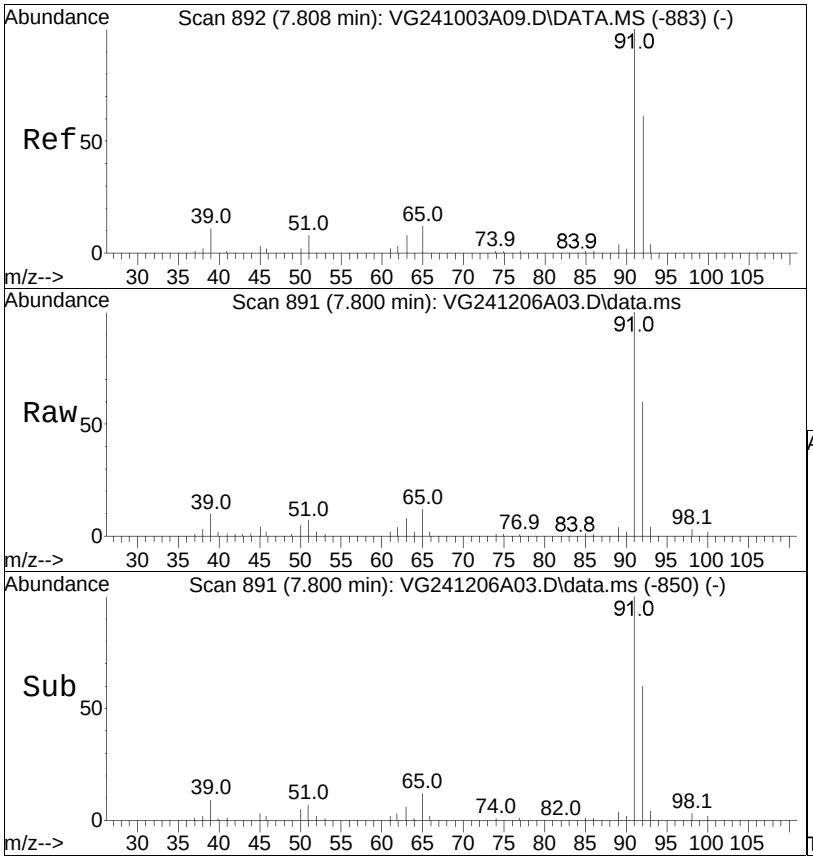


#58
cis-1,3-Dichloropropene
Concen: 9.46 ug/L
RT: 7.543 min Scan# 855
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 75 Resp: 200018

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8
39	53.2	40.8	61.2

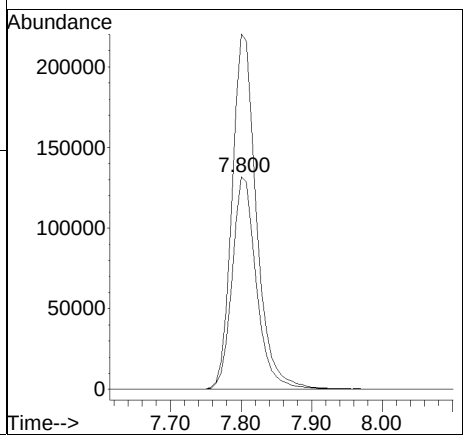


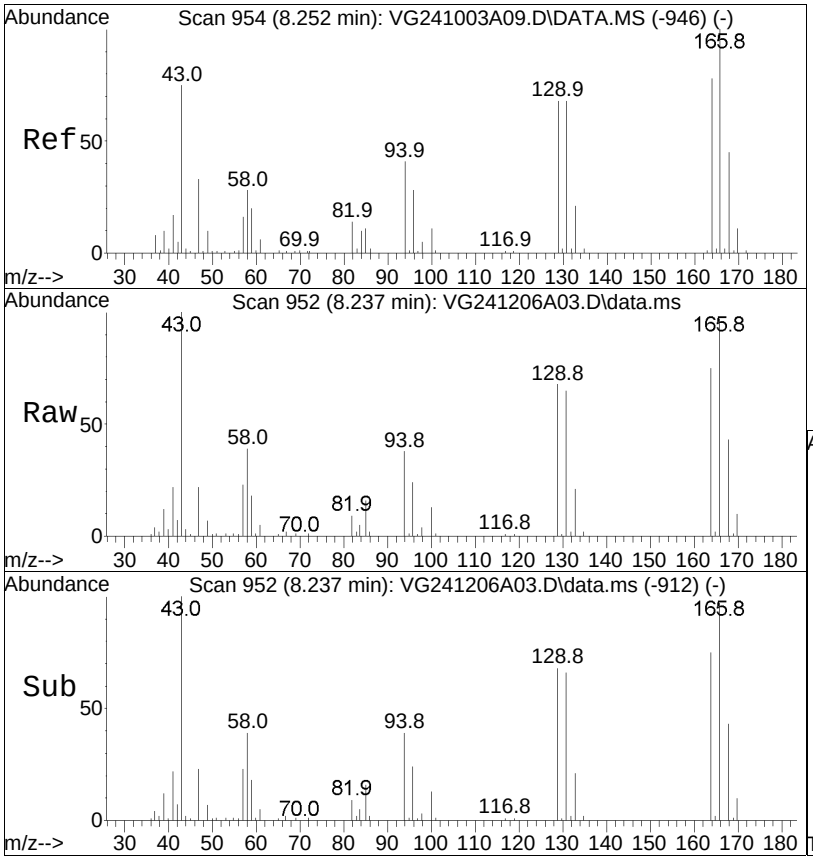


#61
Toluene
Concen: 9.19 ug/L
RT: 7.800 min Scan# 891
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 92 Resp: 315239

Ion	Ratio	Lower	Upper
92	100		
91	168.1	134.8	202.2

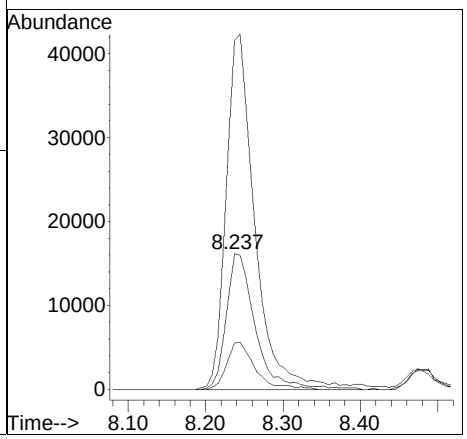


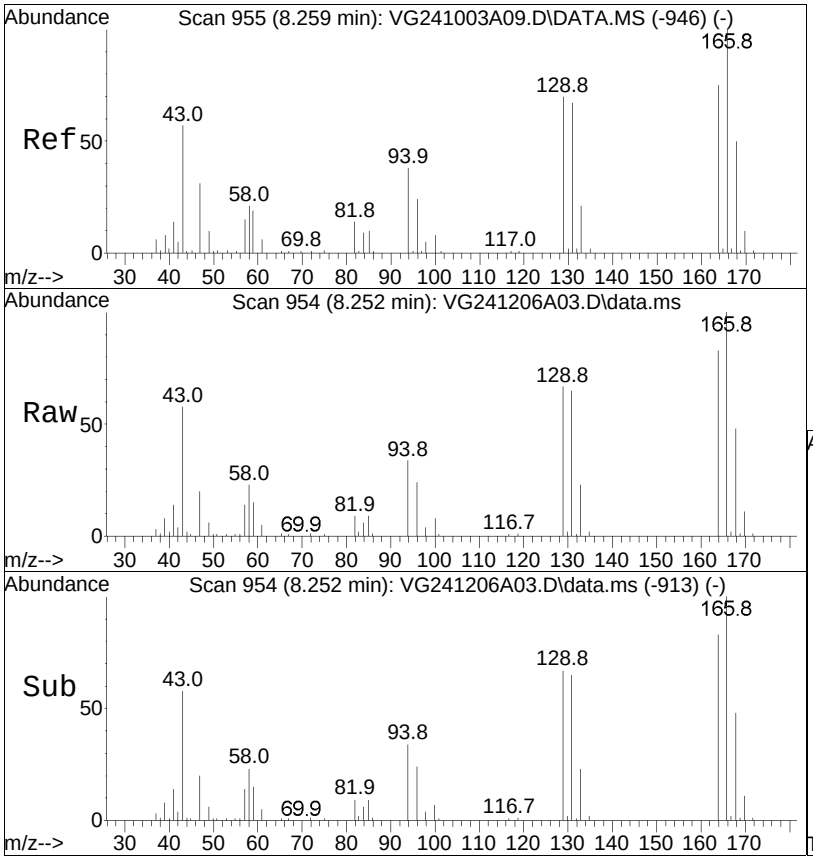


#62
4-Methyl-2-pentanone
Concen: 8.77 ug/L
RT: 8.237 min Scan# 952
Delta R.T. -0.015 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 58 Resp: 42100

Ion	Ratio	Lower	Upper
58	100		
100	33.8	33.6	50.4
43	259.5	204.3	306.5

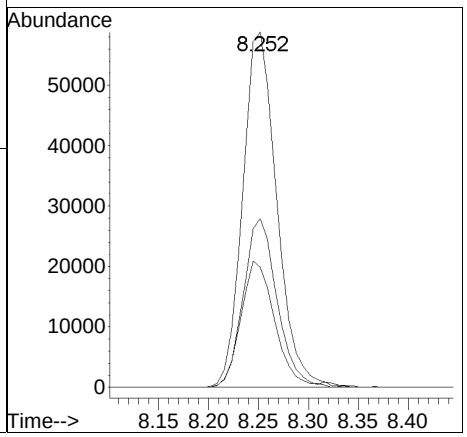


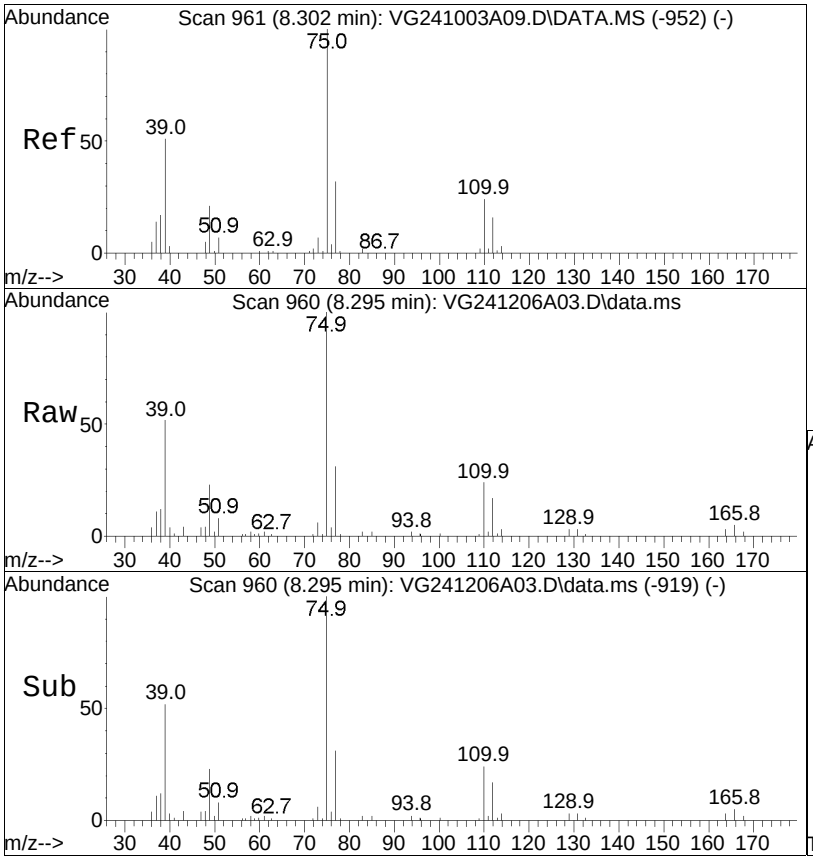


#63
Tetrachloroethene
Concen: 9.42 ug/L
RT: 8.252 min Scan# 954
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:166 Resp: 139725

Ion	Ratio	Lower	Upper
166	100		
168	47.4	27.3	67.3
94	35.4	20.5	60.5

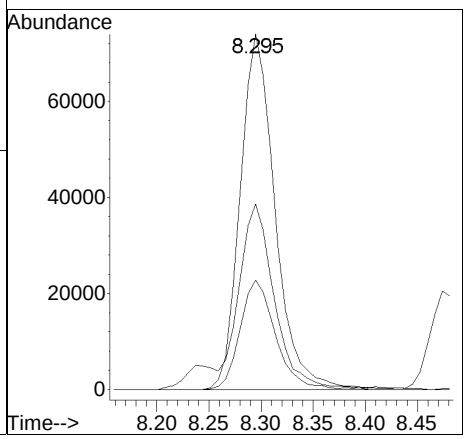


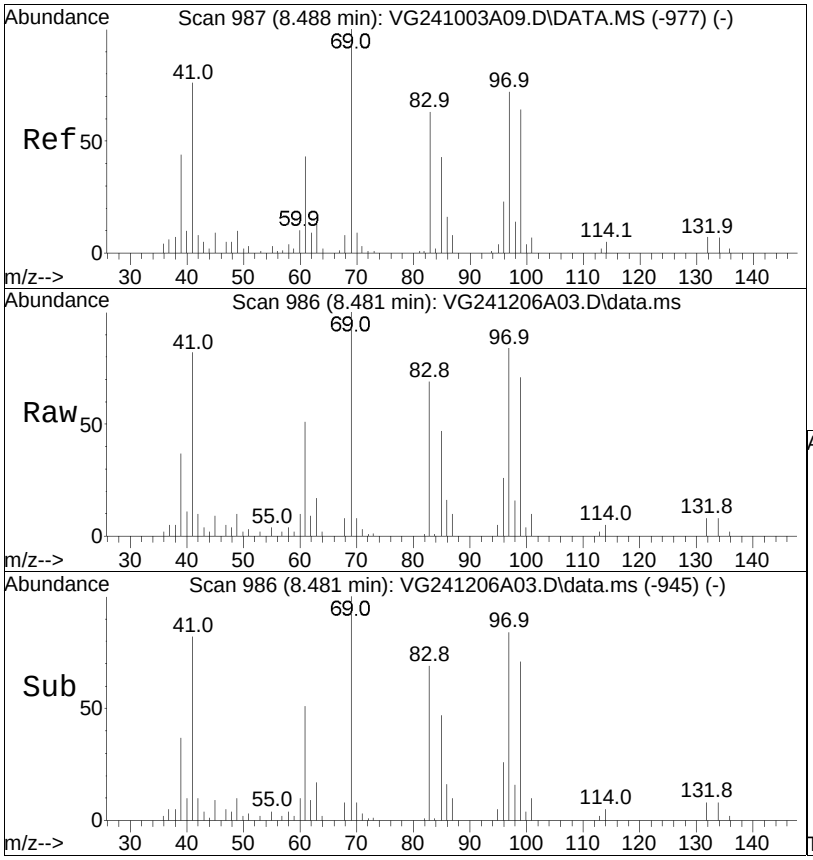


#65
trans-1,3-Dichloropropene
Concen: 8.61 ug/L
RT: 8.295 min Scan# 960
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 75 Resp: 172134

Ion	Ratio	Lower	Upper
75	100		
77	31.0	11.3	51.3
39	52.1	36.0	76.0

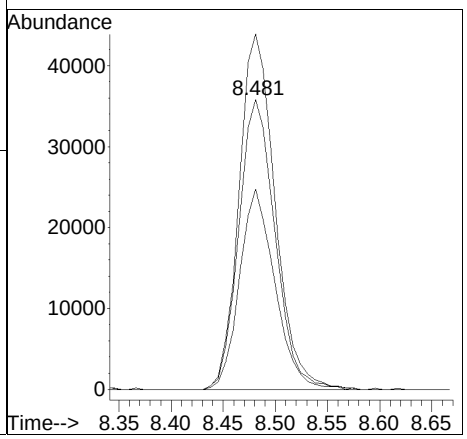


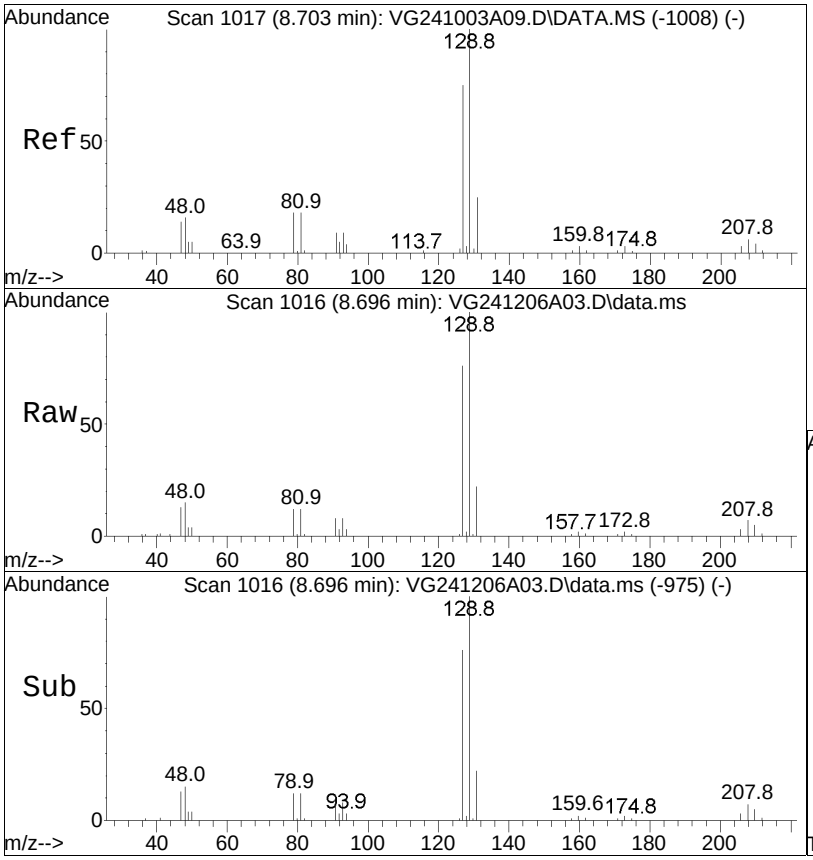


#68
1,1,2-Trichloroethane
Concen: 8.33 ug/L
RT: 8.481 min Scan# 986
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 83 Resp: 86889

Ion	Ratio	Lower	Upper
83	100		
97	121.7	101.0	141.0
85	67.4	47.9	87.9

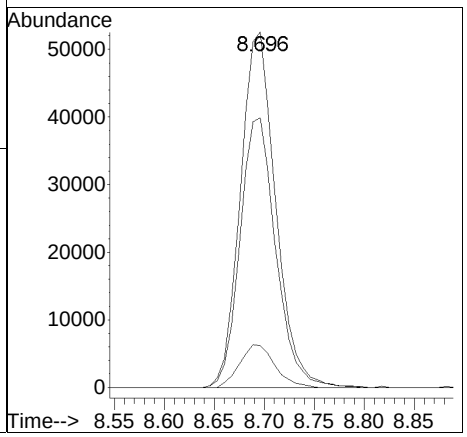


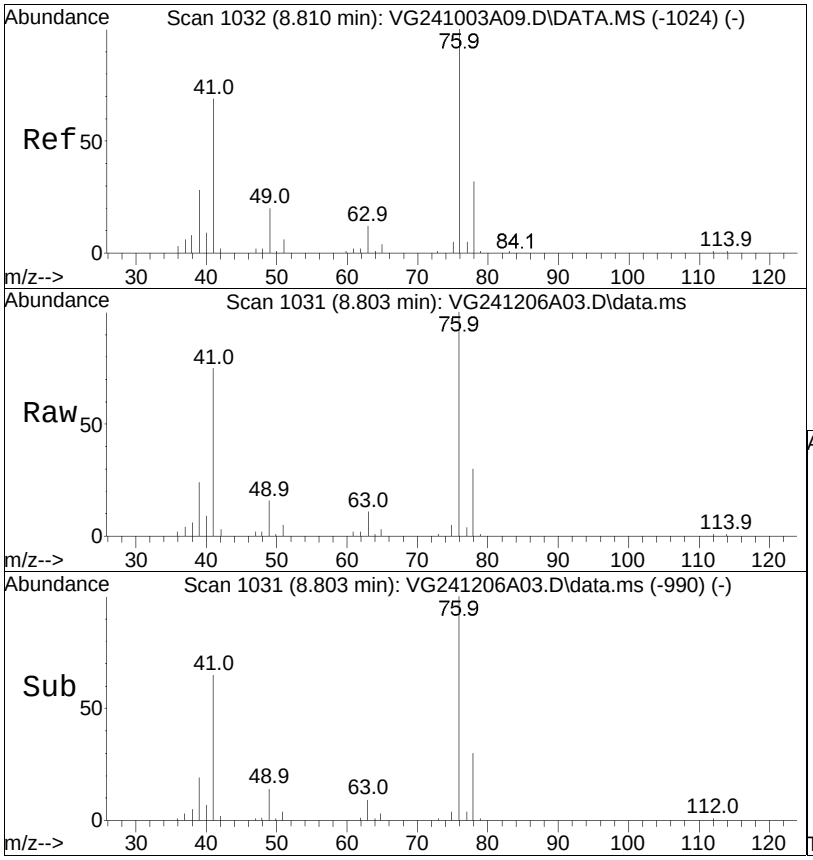


#69
Chlorodibromomethane
Concen: 8.93 ug/L
RT: 8.696 min Scan# 1016
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:129 Resp: 128739

Ion	Ratio	Lower	Upper
129	100		
81	12.0	0.0	35.0
127	76.9	57.1	97.1

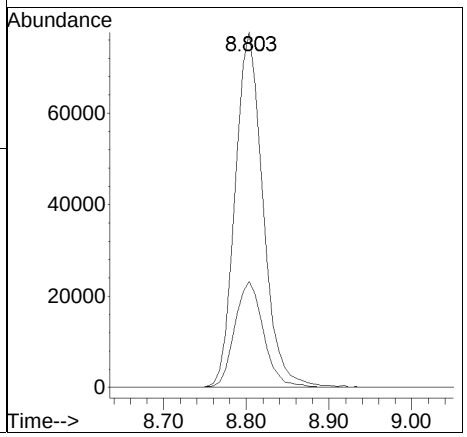


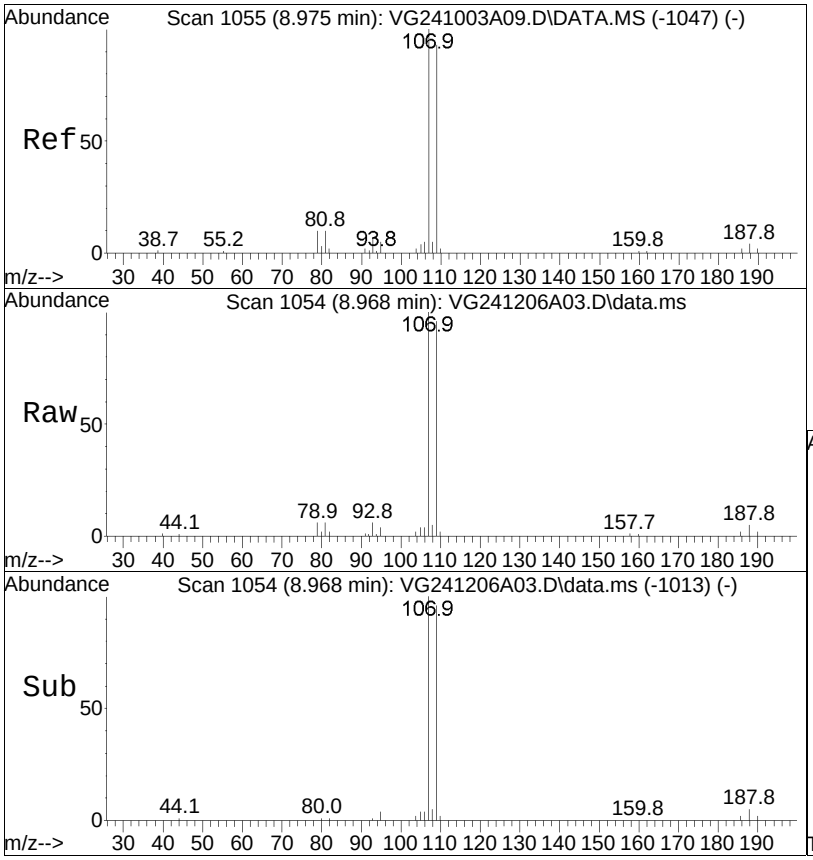


#70
1,3-Dichloropropane
Concen: 8.79 ug/L
RT: 8.803 min Scan# 1031
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 76 Resp: 182085

Ion	Ratio	Lower	Upper
76	100		
78	30.8	25.4	38.2

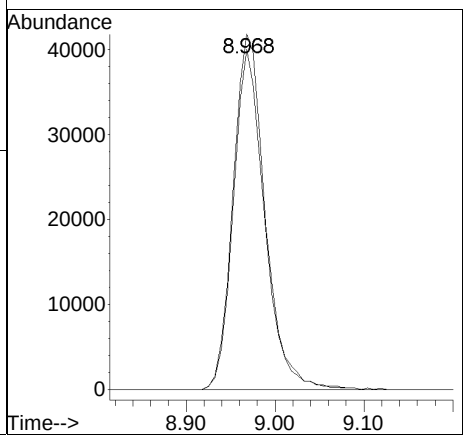


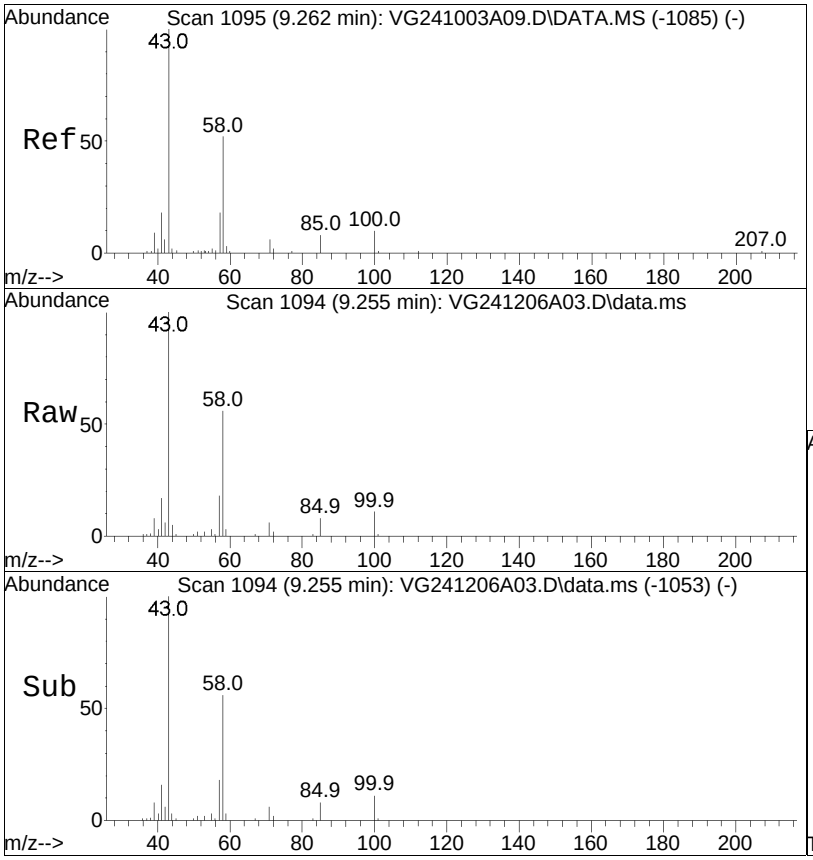


#71
1,2-Dibromoethane
Concen: 8.51 ug/L
RT: 8.968 min Scan# 1054
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:107 Resp: 105061

Ion	Ratio	Lower	Upper
107	100		
109	92.7	76.0	114.0

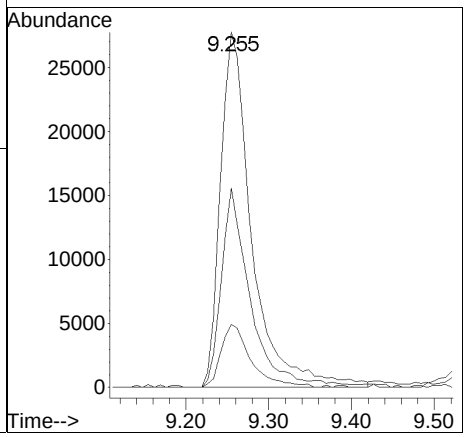


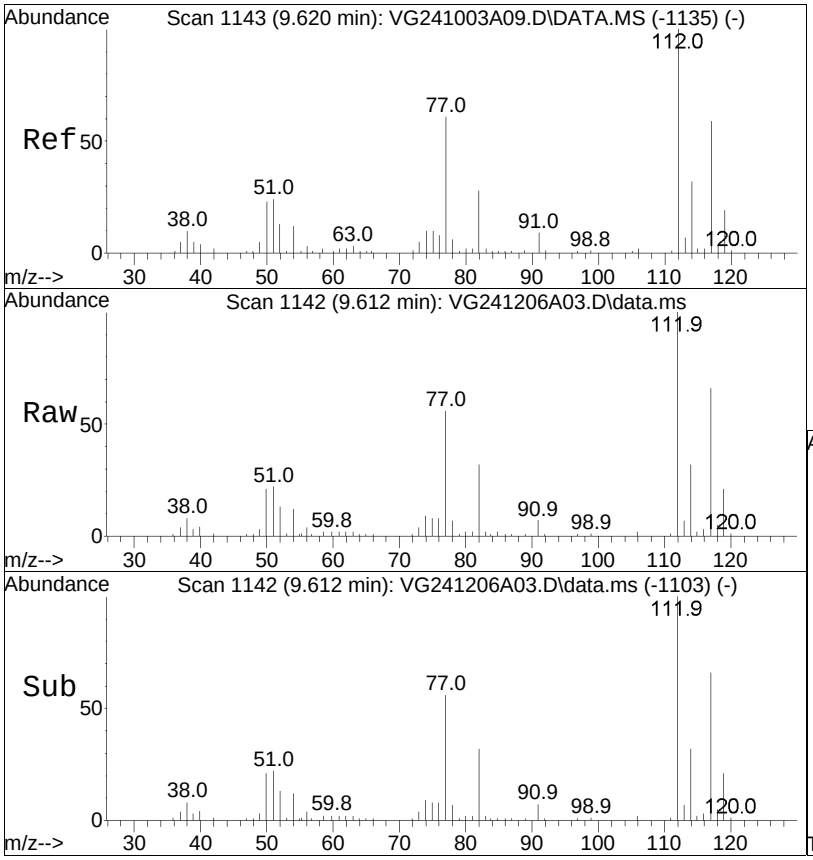


#72
2-Hexanone
Concen: 8.54 ug/L
RT: 9.255 min Scan# 1094
Delta R.T. -0.007 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 43 Resp: 73357

Ion	Ratio	Lower	Upper
43	100		
58	51.9	43.8	65.6
57	17.0	15.2	22.8

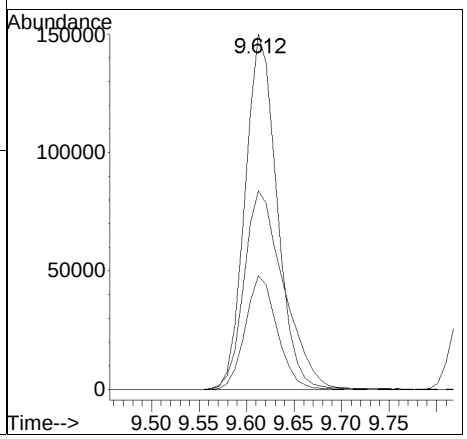


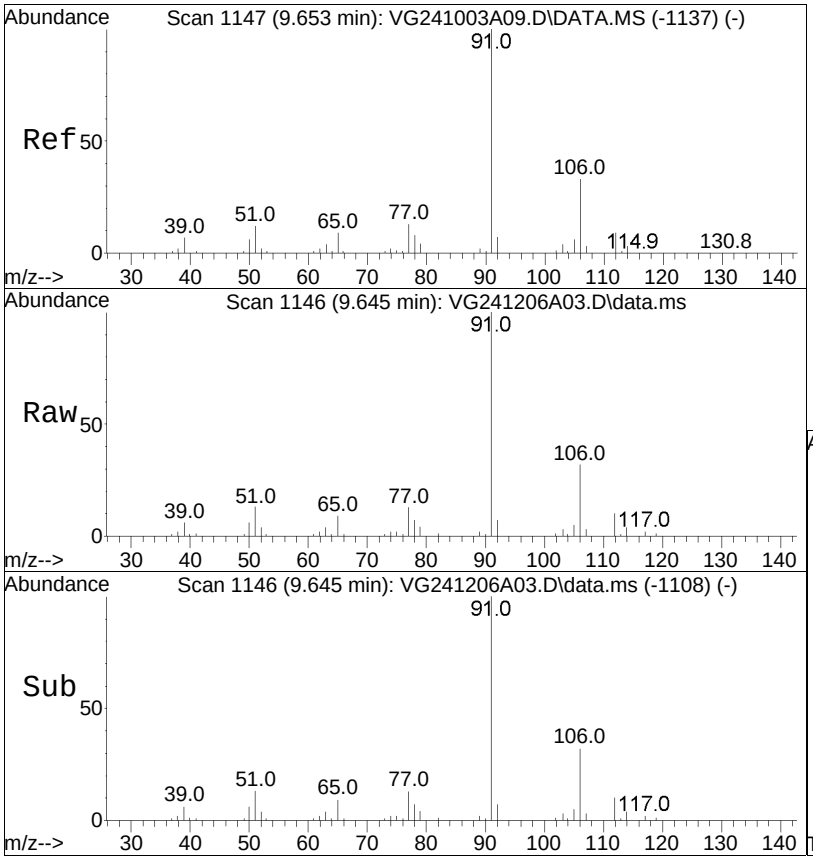


#73
Chlorobenzene
Concen: 9.49 ug/L
RT: 9.612 min Scan# 1142
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:112 Resp: 349759

Ion	Ratio	Lower	Upper
112	100		
77	70.2	55.9	83.9
114	32.0	25.4	38.0

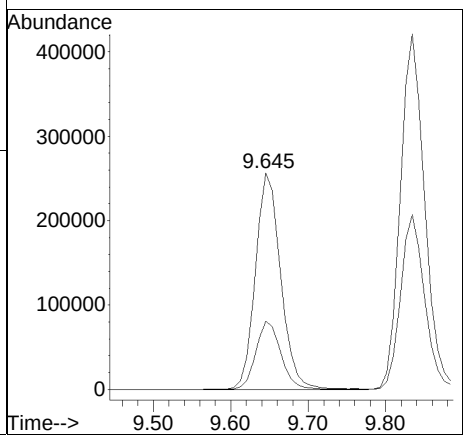


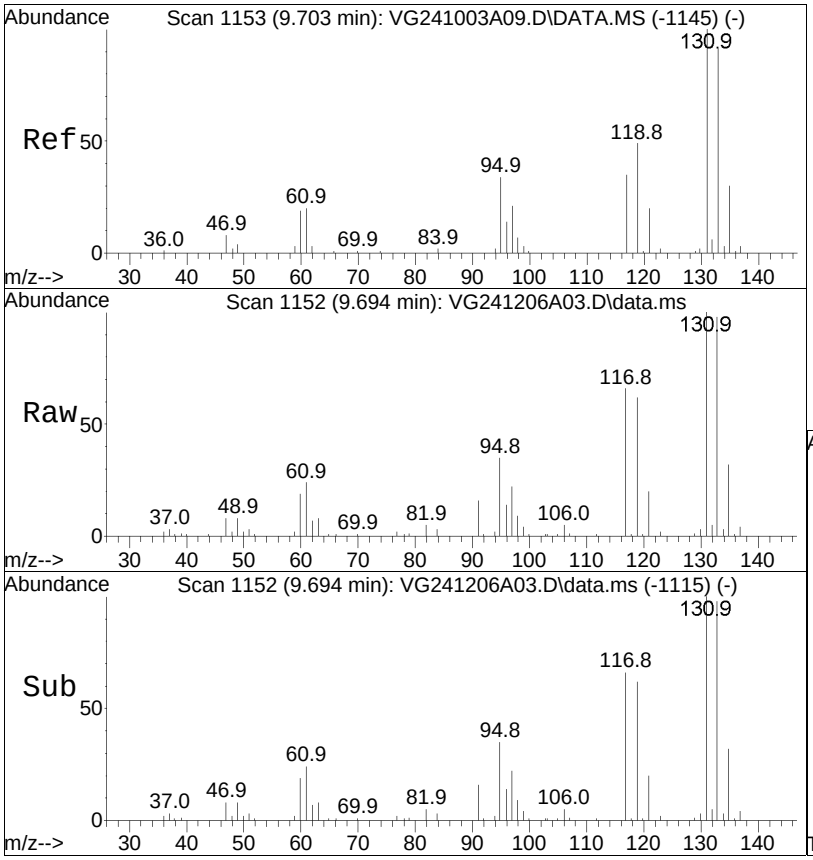


#74
Ethylbenzene
Concen: 8.85 ug/L
RT: 9.645 min Scan# 1146
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 91 Resp: 582817

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.3	37.9

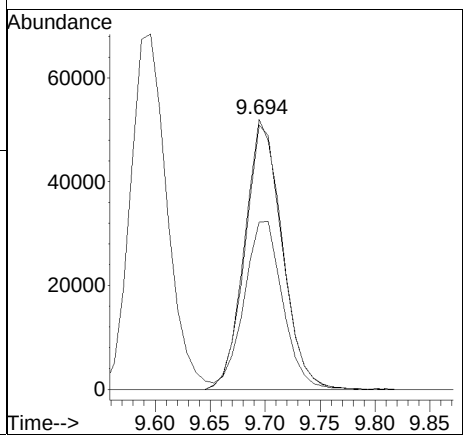


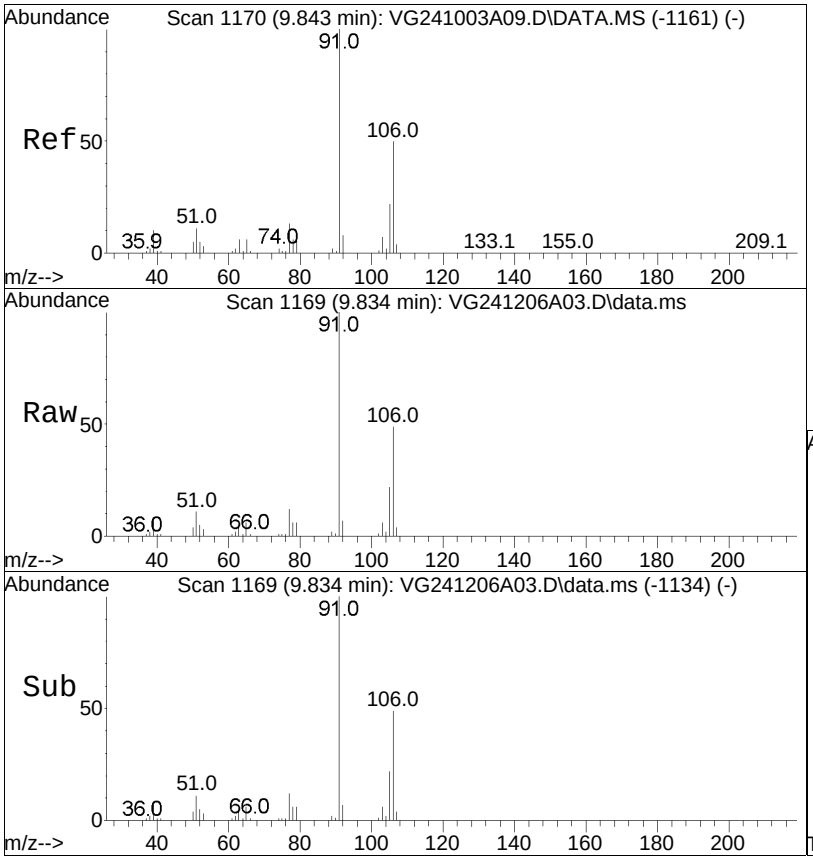


#75
1,1,1,2-Tetrachloroethane
Concen: 8.77 ug/L
RT: 9.694 min Scan# 1152
Delta R.T. -0.009 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:131 Resp: 123878

Ion	Ratio	Lower	Upper
131	100		
133	97.7	77.3	117.3
119	63.7	42.7	82.7

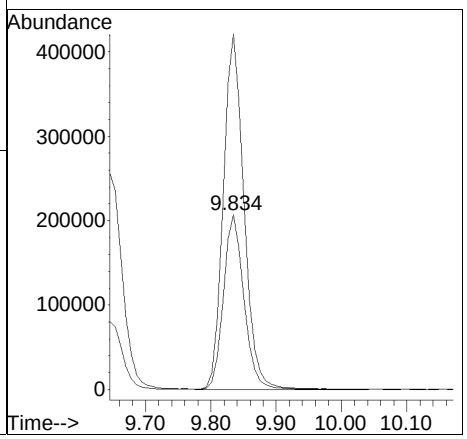


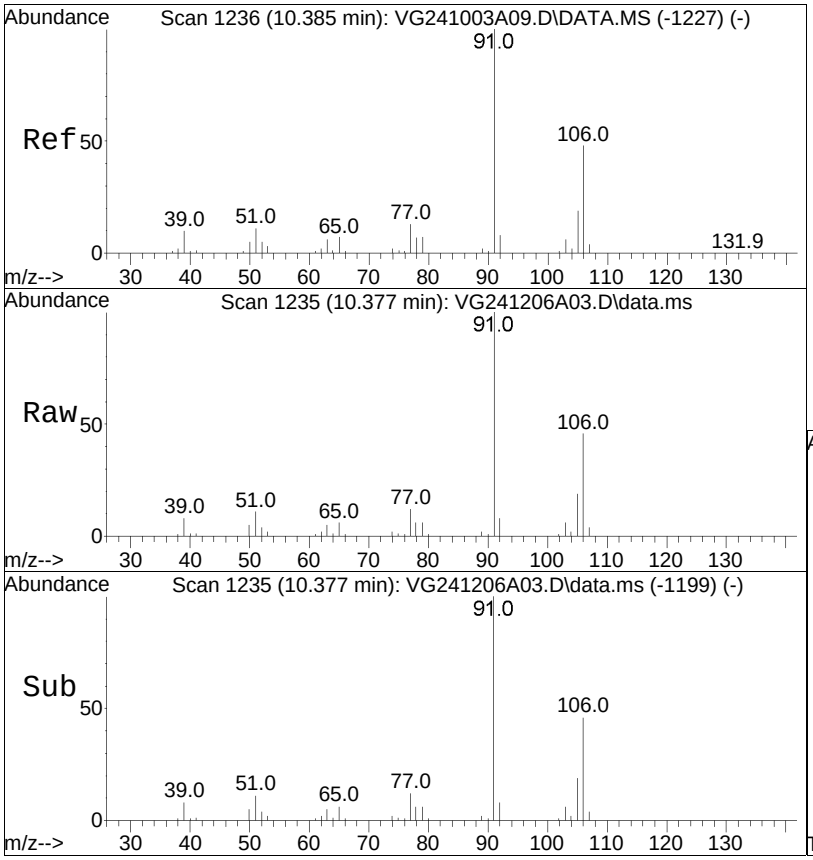


#76
p/m Xylene
Concen: 17.96 ug/L
RT: 9.834 min Scan# 1169
Delta R.T. -0.009 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:106 Resp: 450245

Ion	Ratio	Lower	Upper
106	100		
91	204.6	157.1	235.7

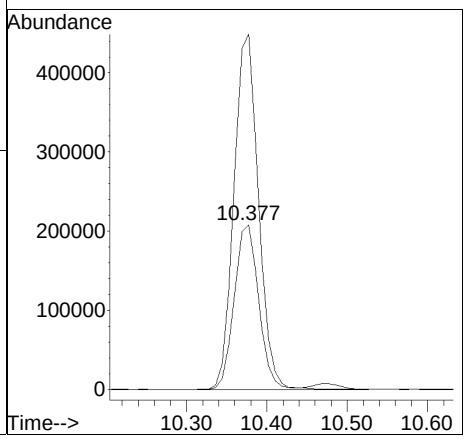


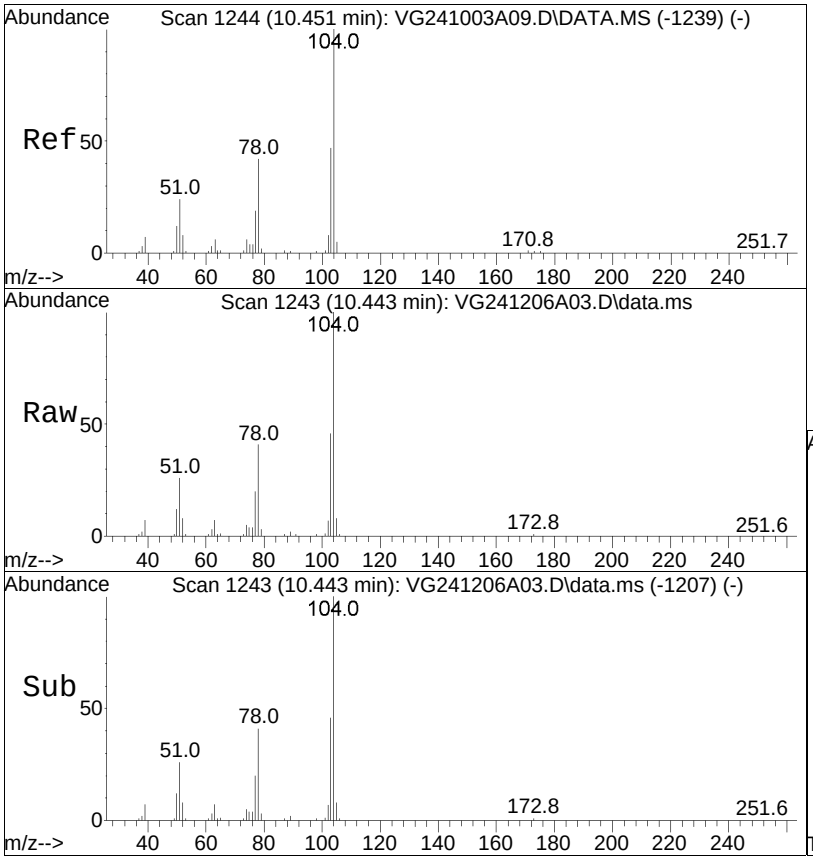


#77
o Xylene
Concen: 18.22 ug/L
RT: 10.377 min Scan# 1235
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:106 Resp: 442234

Ion	Ratio	Lower	Upper
106	100		
91	214.5	164.7	247.1

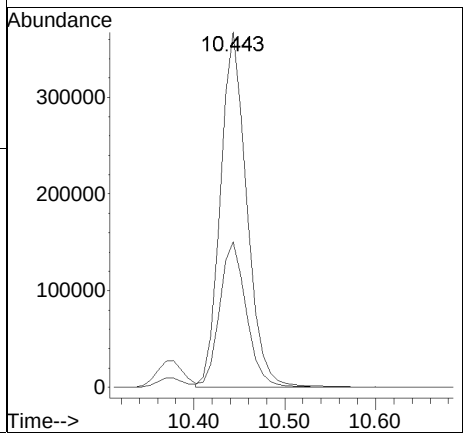


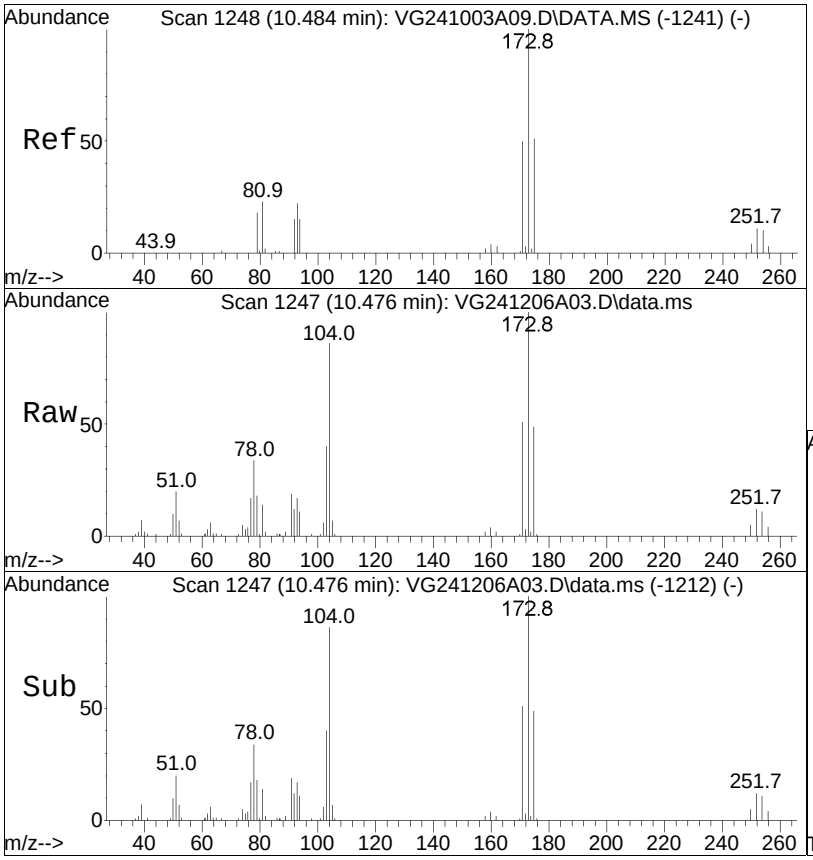


#78
Styrene
Concen: 17.88 ug/L
RT: 10.443 min Scan# 1243
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:104 Resp: 738518

Ion	Ratio	Lower	Upper
104	100		
78	41.9	32.2	48.4

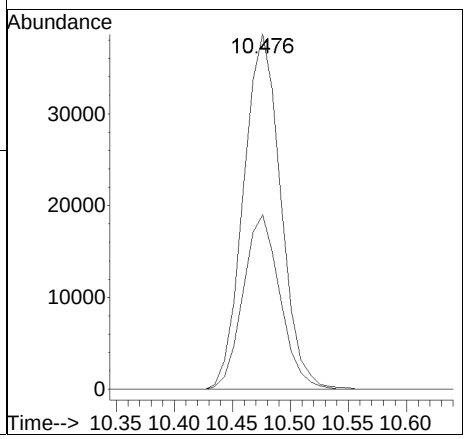


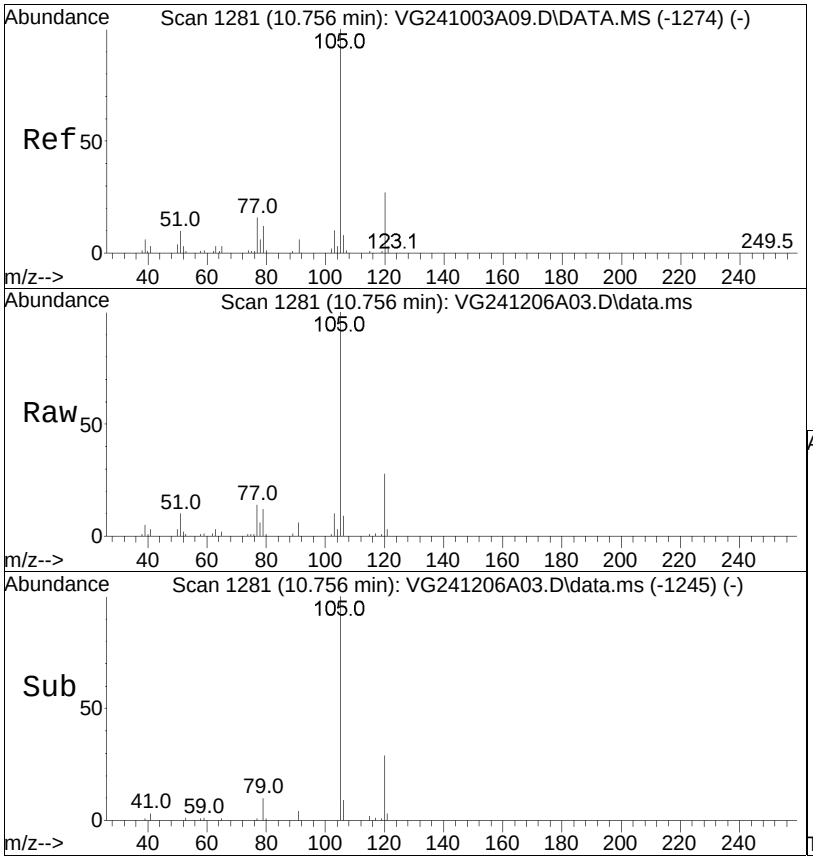


#80
Bromoform
Concen: 8.69 ug/L
RT: 10.476 min Scan# 1247
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:173 Resp: 86270

Ion	Ratio	Lower	Upper
173	100		
175	48.7	28.0	68.0

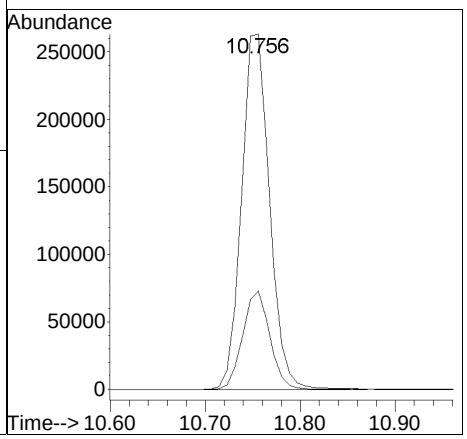


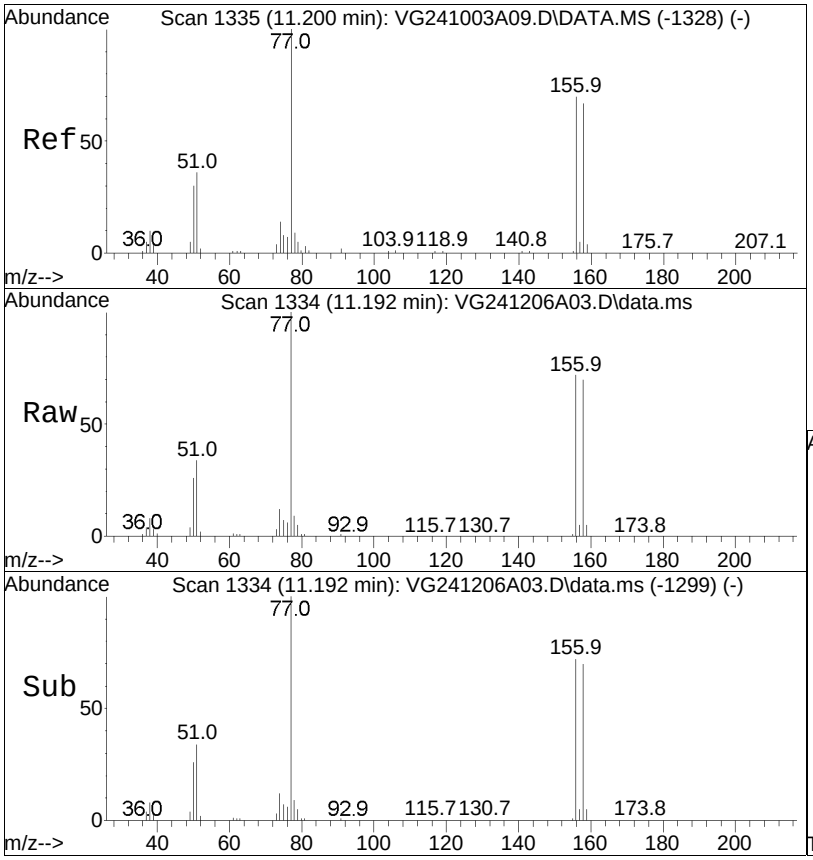


#82
Isopropylbenzene
Concen: 8.83 ug/L
RT: 10.756 min Scan# 1281
Delta R.T. -0.000 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:105 Resp: 538980

Ion	Ratio	Lower	Upper
105	100		
120	26.9	7.0	47.0

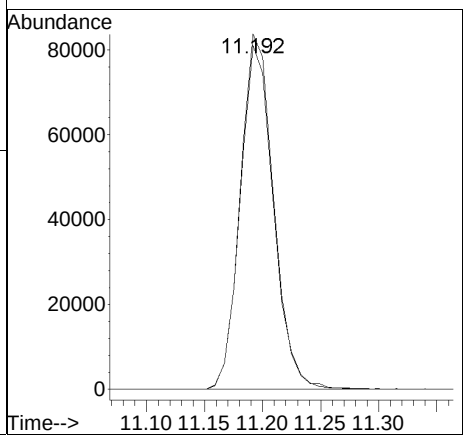


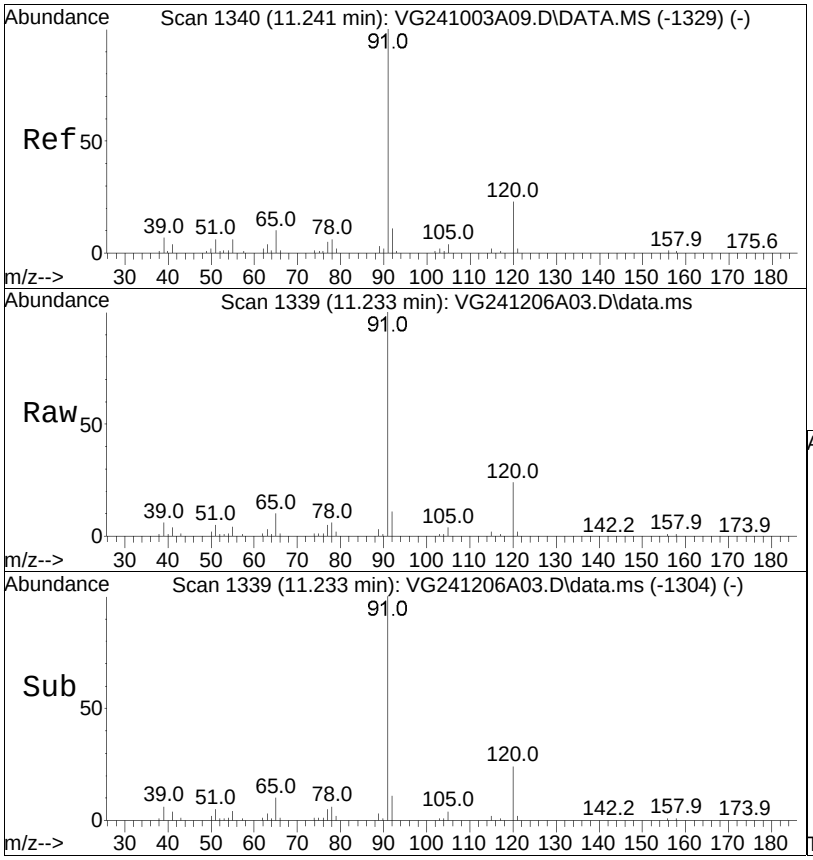


#84
Bromobenzene
Concen: 10.11 ug/L
RT: 11.192 min Scan# 1334
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:156 Resp: 166993

Ion	Ratio	Lower	Upper
156	100		
158	96.7	76.9	115.3

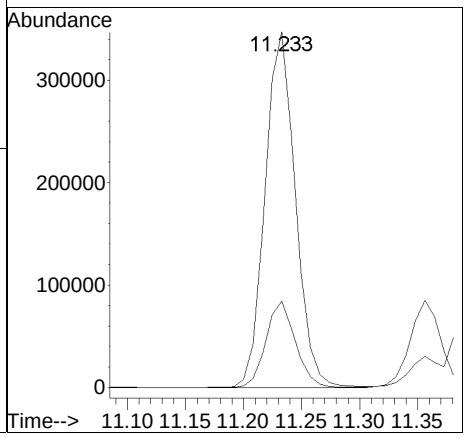


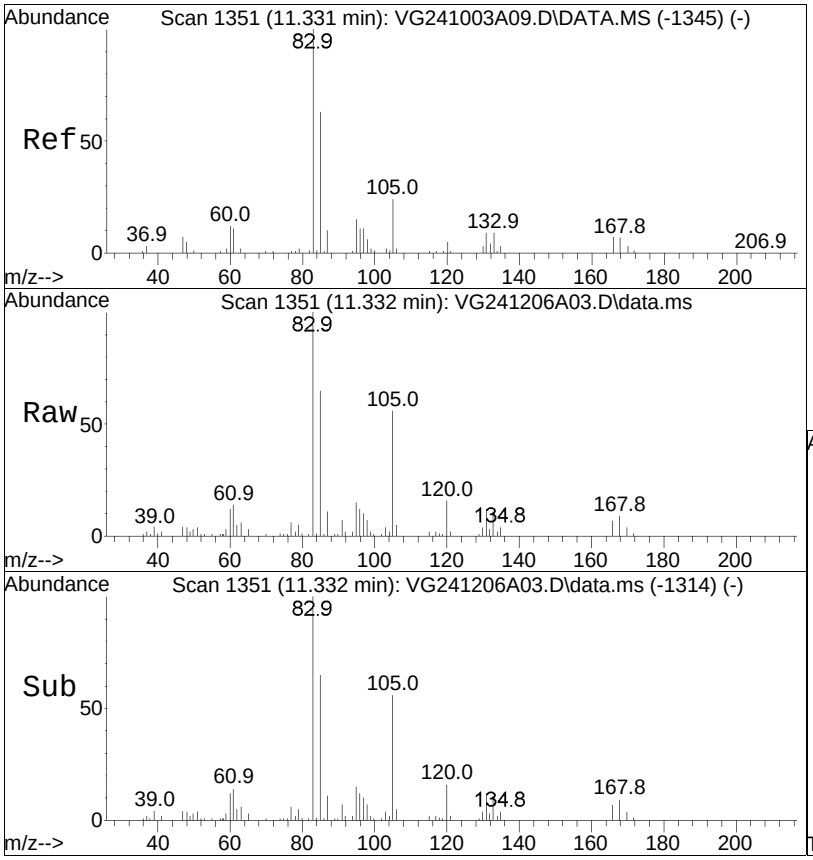


#85
n-Propylbenzene
Concen: 8.87 ug/L
RT: 11.233 min Scan# 1339
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 91 Resp: 630188

Ion	Ratio	Lower	Upper
91	100		
120	23.5	19.0	28.6

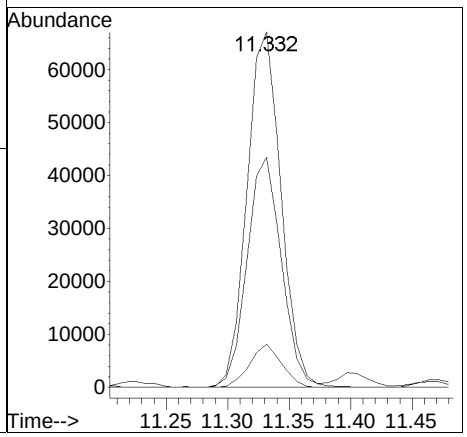


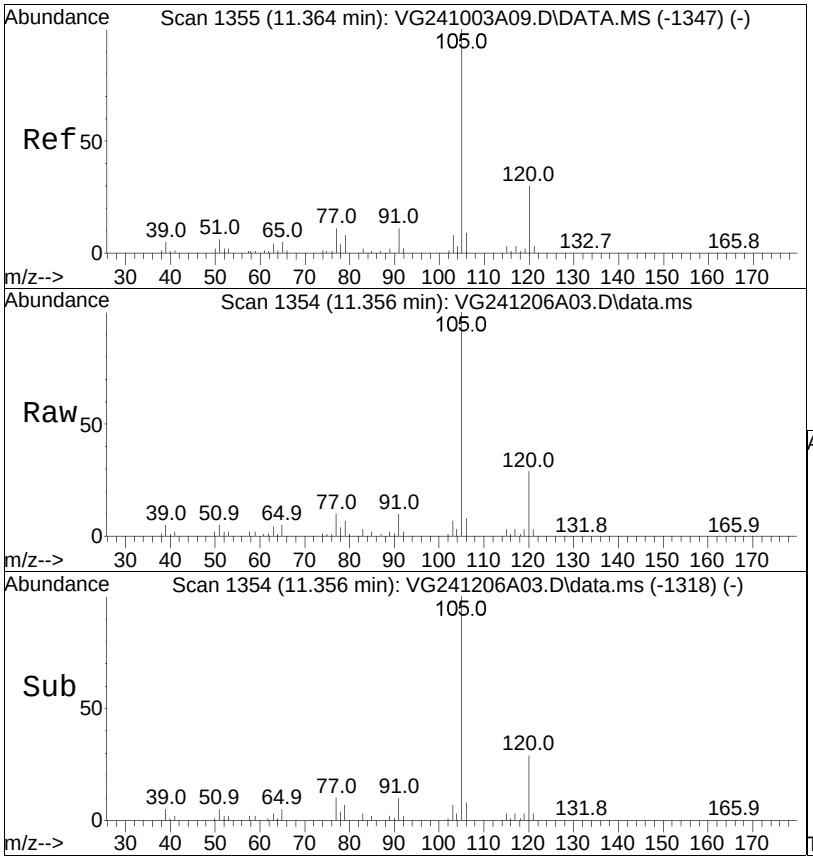


#87
1,1,2,2-Tetrachloroethane
Concen: 8.37 ug/L
RT: 11.332 min Scan# 1351
Delta R.T. 0.001 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 83 Resp: 129293

Ion	Ratio	Lower	Upper
83	100		
131	11.5	0.0	31.0
85	65.4	43.9	83.9

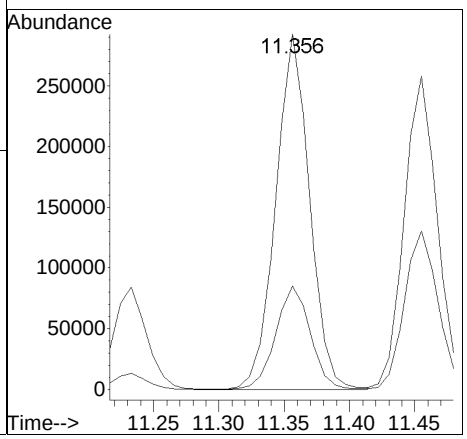


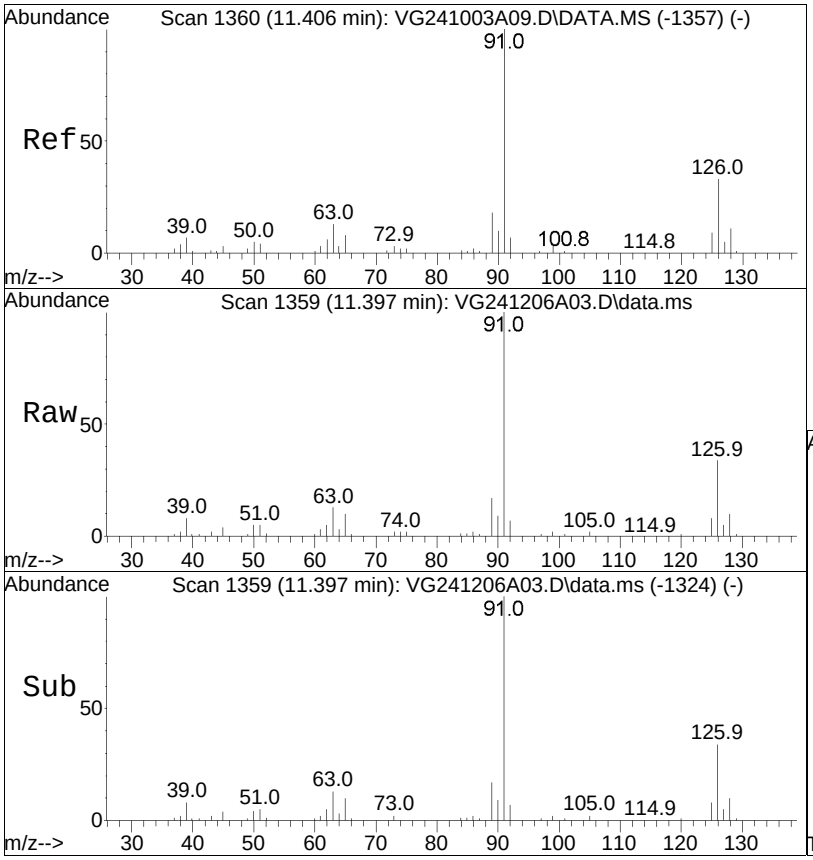


#88
4-Ethyltoluene
Concen: 9.06 ug/L
RT: 11.356 min Scan# 1354
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:105 Resp: 527359

Ion	Ratio	Lower	Upper
105	100		
120	29.7	19.9	41.3

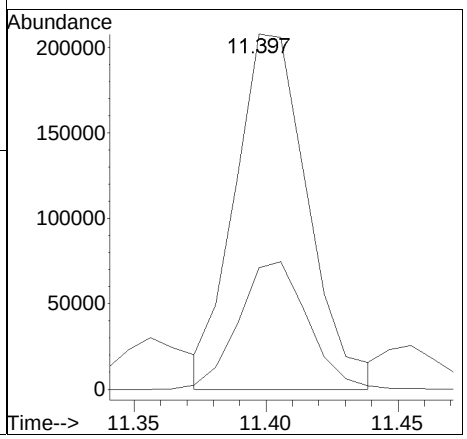


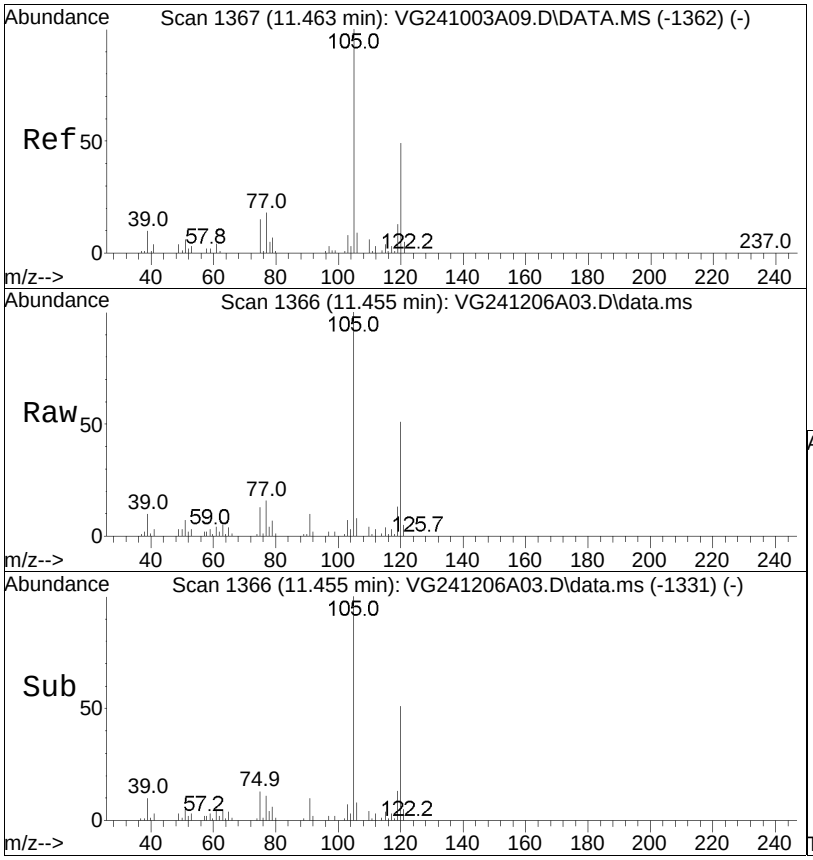


#89
2-Chlorotoluene
Concen: 9.20 ug/L M6
RT: 11.397 min Scan# 1359
Delta R.T. -0.009 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 91 Resp: 398588

Ion	Ratio	Lower	Upper
91	100		
126	34.4	27.4	41.2

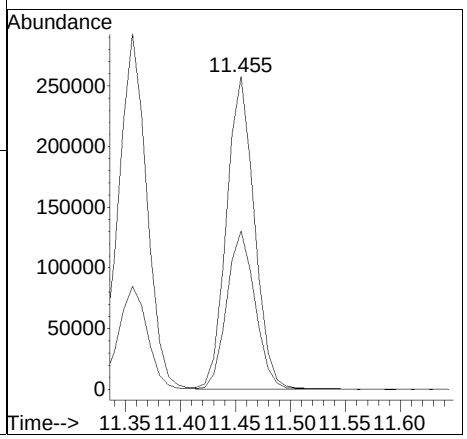


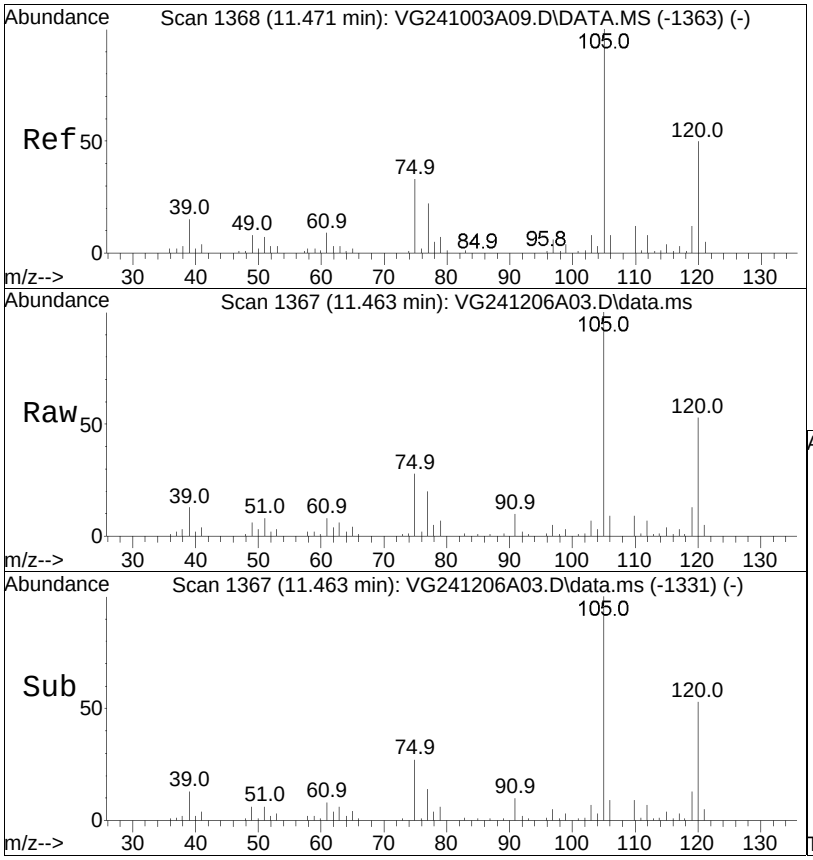


#90
1,3,5-Trimethylbenzene
Concen: 8.80 ug/L
RT: 11.455 min Scan# 1366
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:105 Resp: 453302

Ion	Ratio	Lower	Upper
105	100		
120	51.8	40.3	60.5

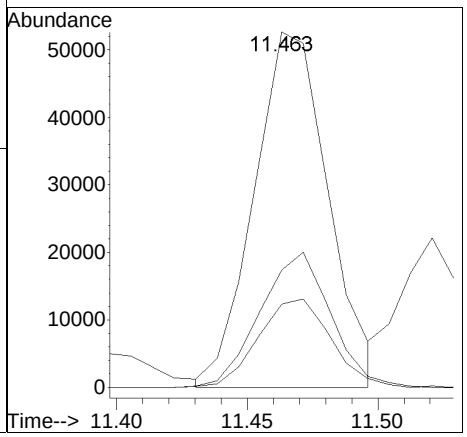


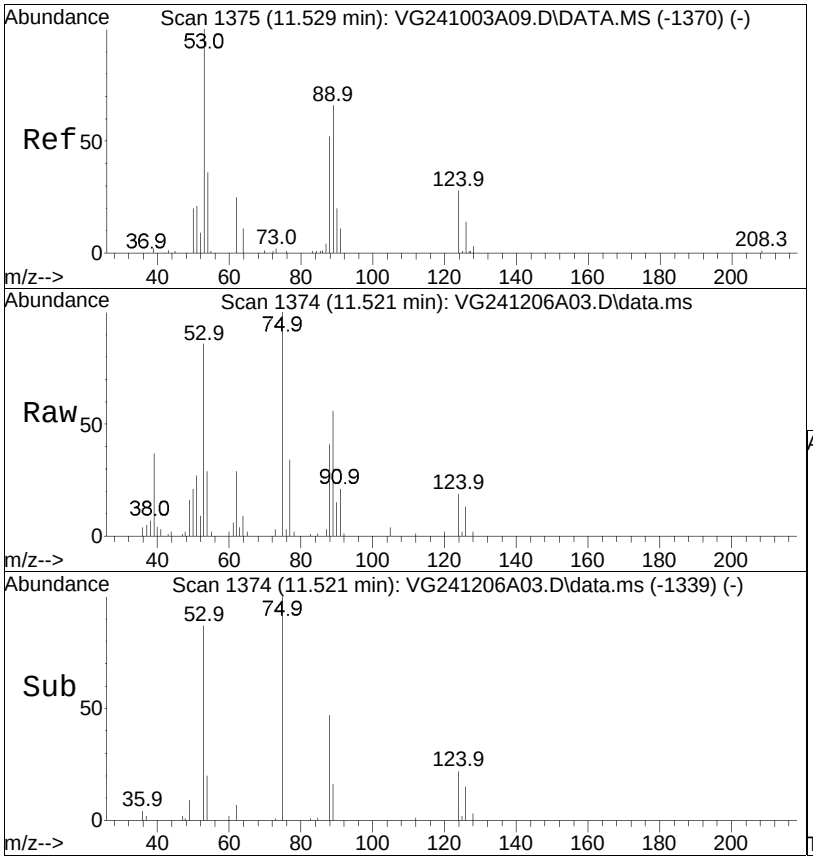


#91
1,2,3-Trichloropropane
Concen: 8.23 ug/L
RT: 11.463 min Scan# 1367
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 75 Resp: 103893

Ion	Ratio	Lower	Upper
75	100		
110	36.2	23.5	48.9
112	24.5	15.9	32.9

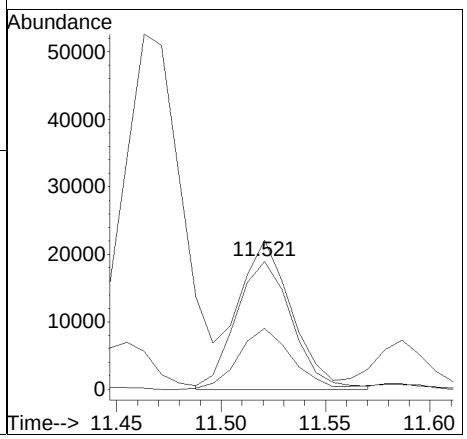


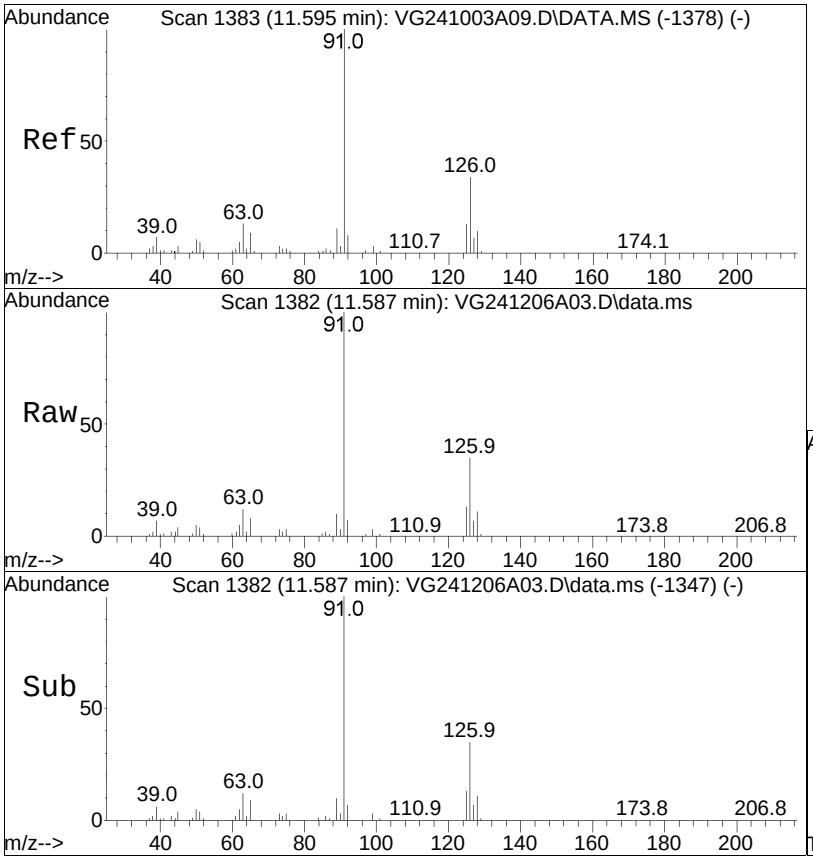


#92
trans-1,4-Dichloro-2-butene
Concen: 6.98 ug/L
RT: 11.521 min Scan# 1374
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 53 Resp: 35529

Ion	Ratio	Lower	Upper
53	100		
88	45.4	41.6	62.4
75	108.6	0.0	0.0#

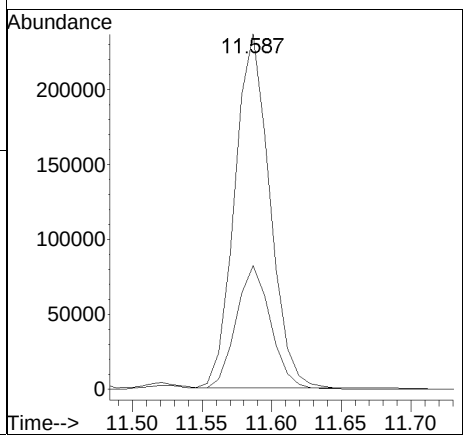


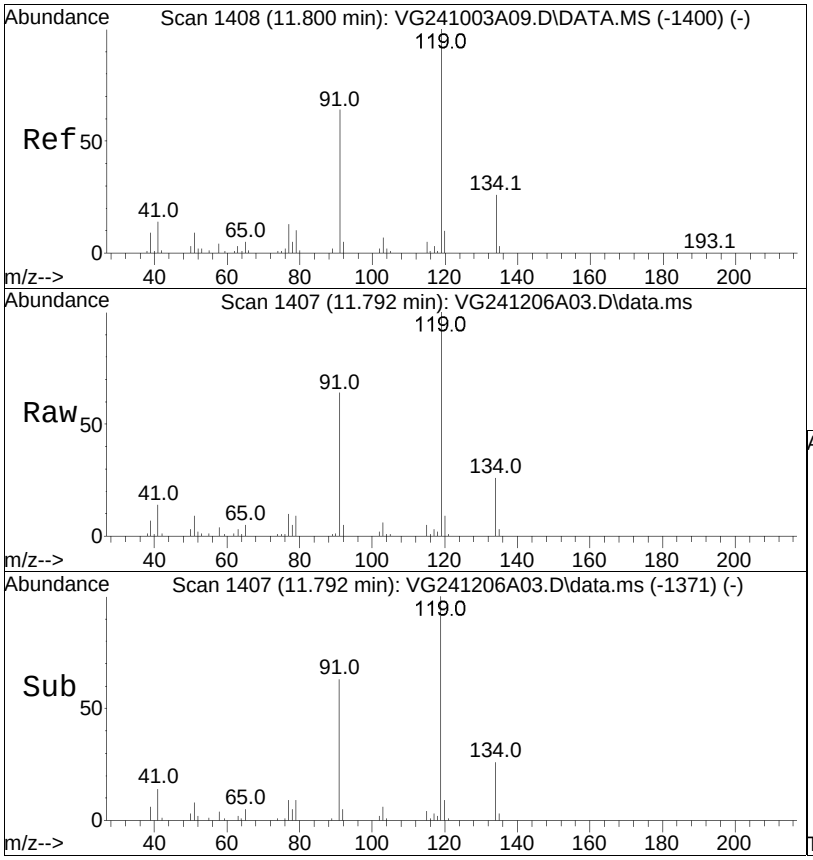


#93
4-Chlorotoluene
Concen: 9.07 ug/L
RT: 11.587 min Scan# 1382
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 91 Resp: 413756

Ion	Ratio	Lower	Upper
91	100		
126	34.6	28.2	42.4

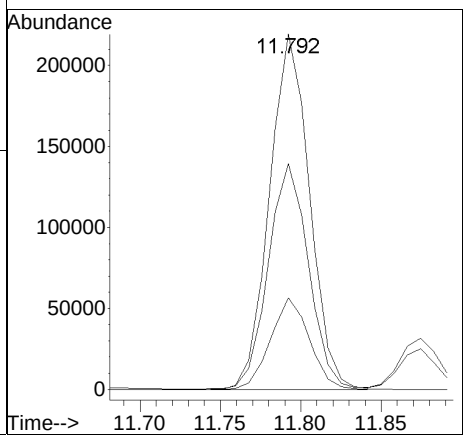


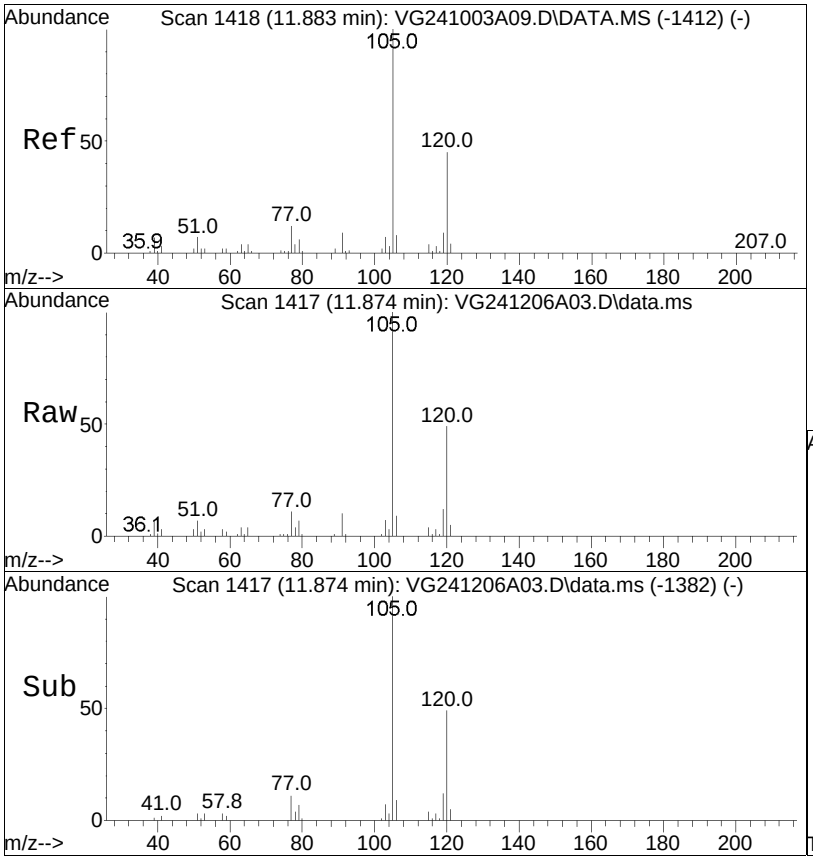


#94
tert-Butylbenzene
Concen: 9.34 ug/L
RT: 11.792 min Scan# 1407
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:119 Resp: 379429

Ion	Ratio	Lower	Upper
119	100		
91	63.7	50.8	76.2
134	25.1	20.2	30.4

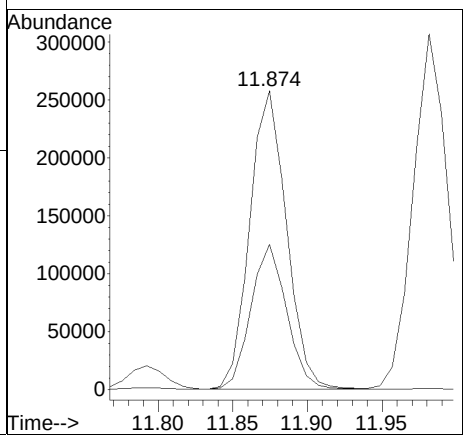


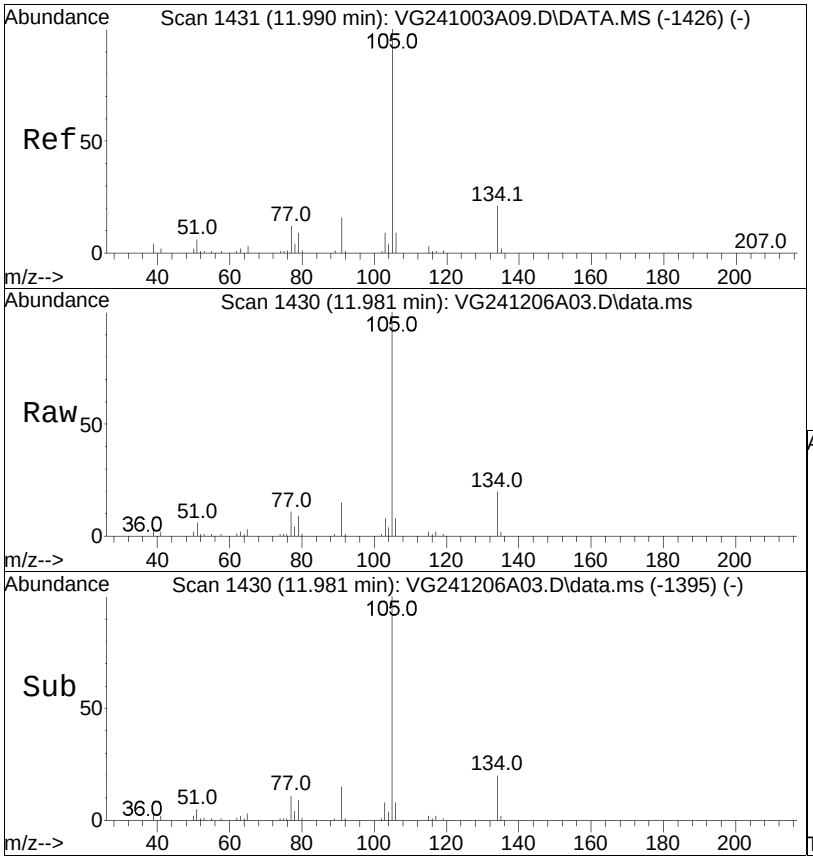


#97
1,2,4-Trimethylbenzene
Concen: 8.78 ug/L
RT: 11.874 min Scan# 1417
Delta R.T. -0.009 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:105 Resp: 441650

Ion	Ratio	Lower	Upper
105	100		
120	47.2	37.8	56.6

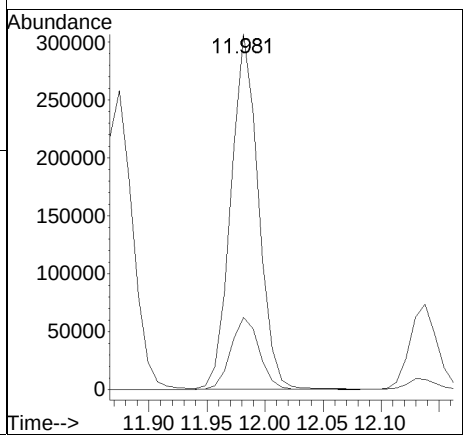


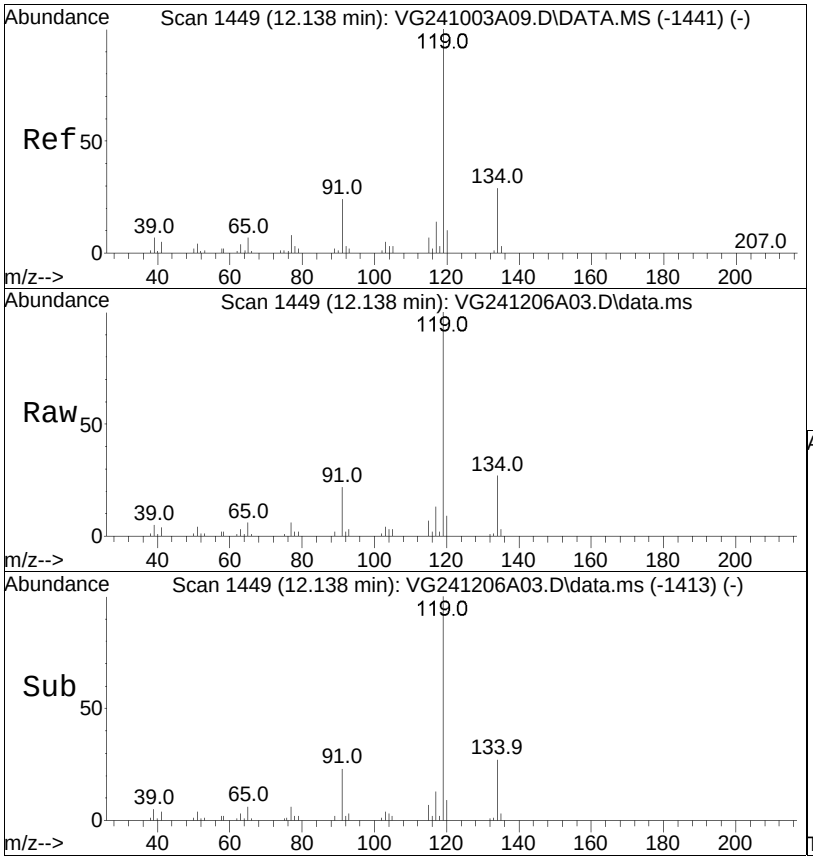


#98
sec-Butylbenzene
Concen: 8.62 ug/L
RT: 11.981 min Scan# 1430
Delta R.T. -0.009 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:105 Resp: 505373

Ion	Ratio	Lower	Upper
105	100		
134	20.9	13.3	27.7

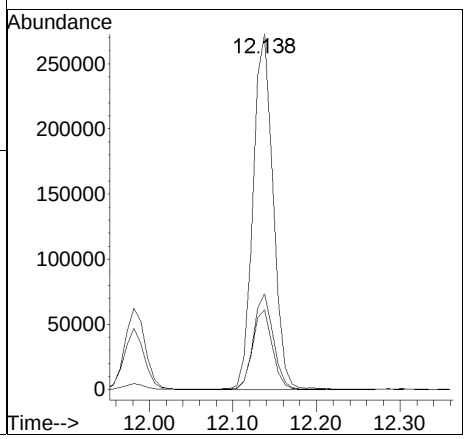


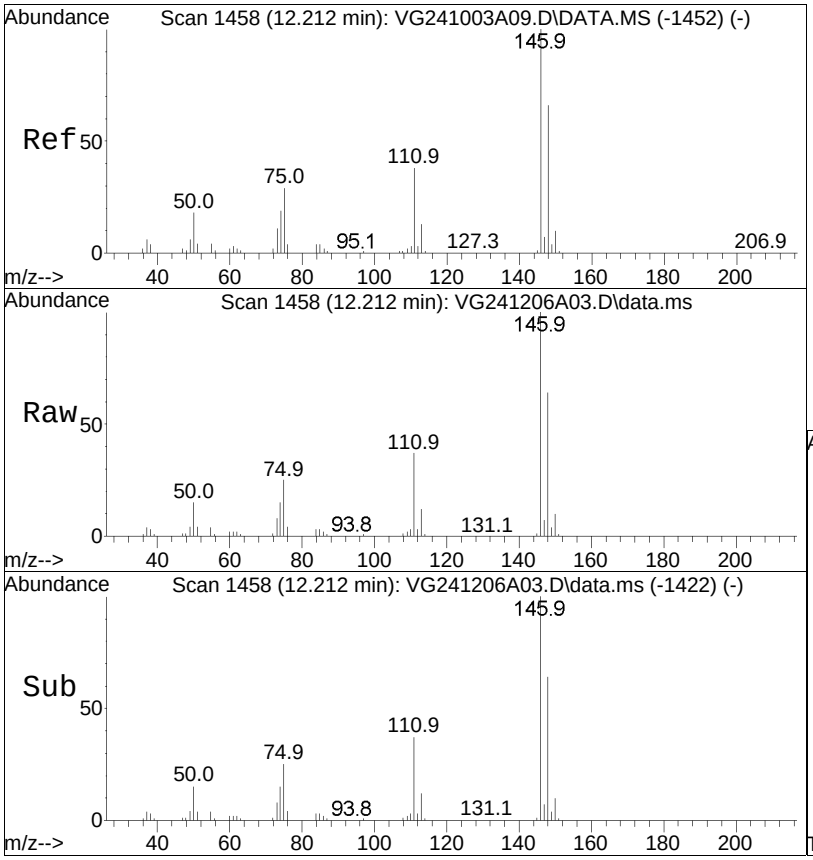


#99
p-Isopropyltoluene
Concen: 9.16 ug/L
RT: 12.138 min Scan# 1449
Delta R.T. -0.000 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:119 Resp: 455227

Ion	Ratio	Lower	Upper
119	100		
134	26.5	17.5	36.3
91	22.1	14.6	30.4

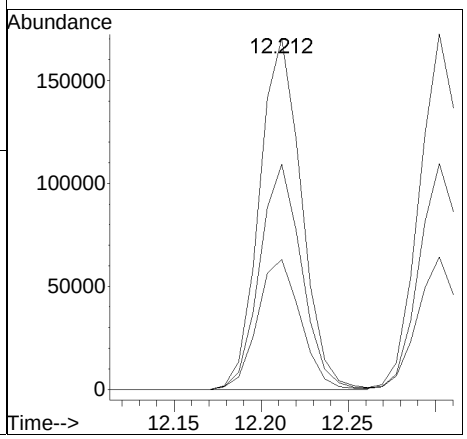


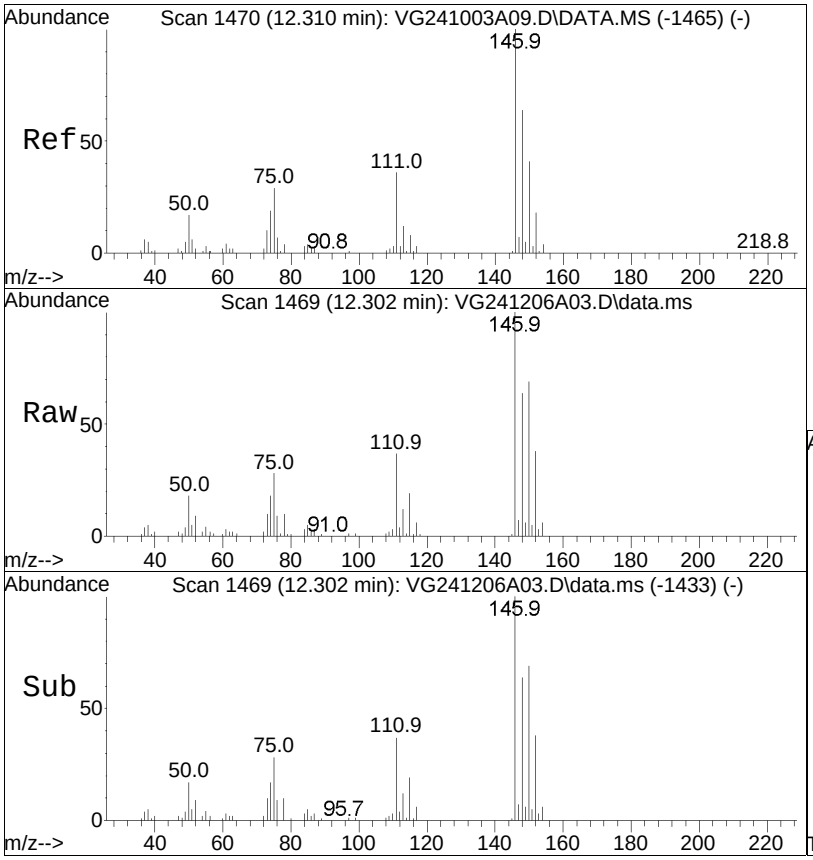


#100
1,3-Dichlorobenzene
Concen: 9.50 ug/L
RT: 12.212 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:146 Resp: 285952

Ion	Ratio	Lower	Upper
146	100		
111	38.1	24.4	50.6
148	63.8	41.0	85.2

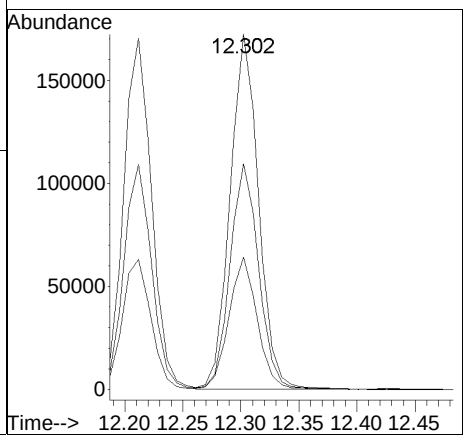


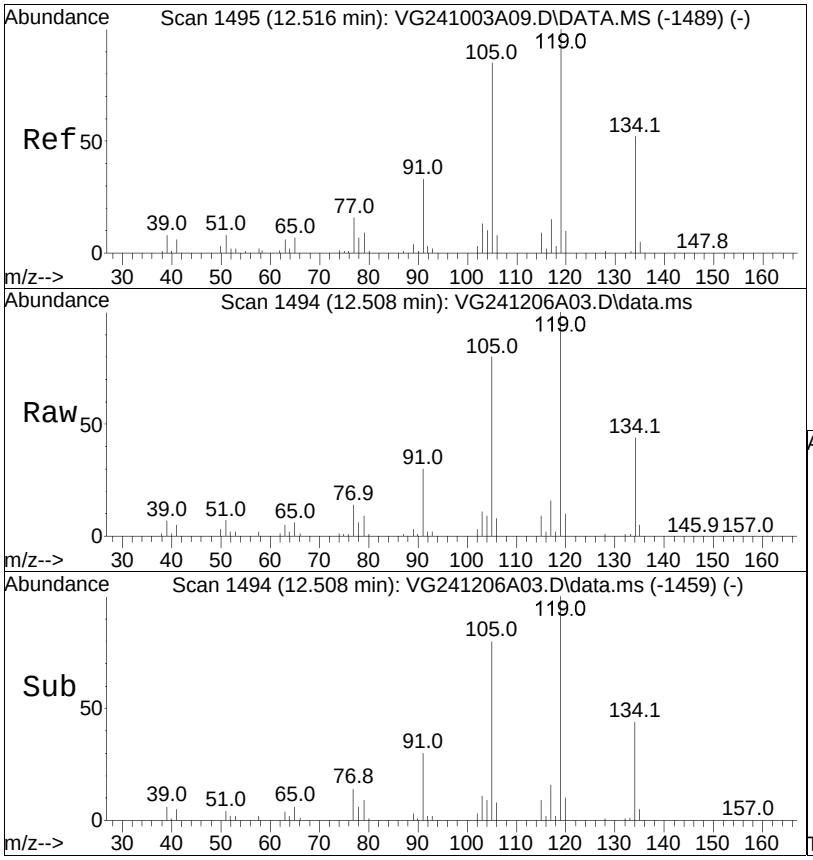


#101
1,4-Dichlorobenzene
Concen: 9.39 ug/L
RT: 12.302 min Scan# 1469
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:146 Resp: 293492

Ion	Ratio	Lower	Upper
146	100		
111	37.5	29.3	43.9
148	64.1	51.2	76.8

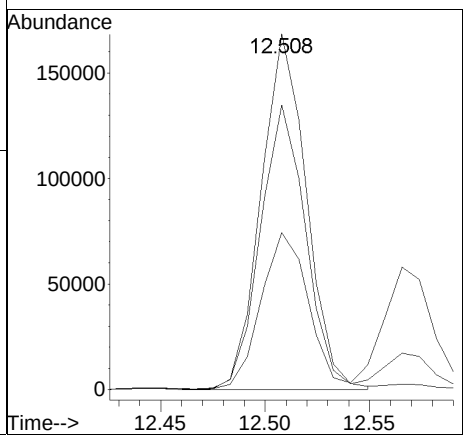


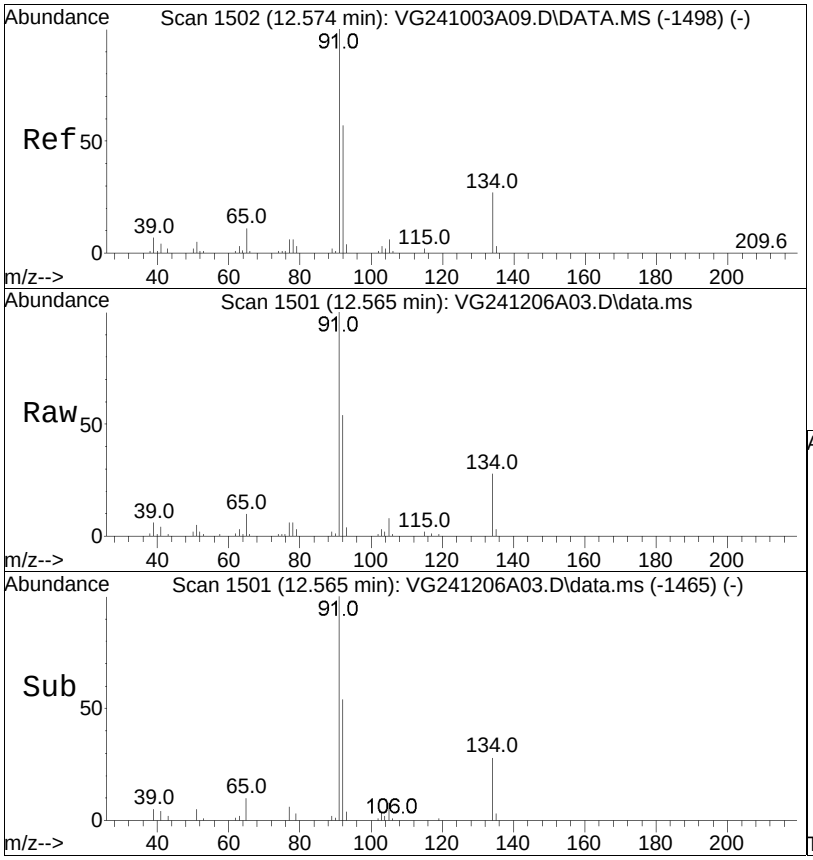


#102
p-Diethylbenzene
Concen: 9.09 ug/L
RT: 12.508 min Scan# 1494
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:119 Resp: 253406

Ion	Ratio	Lower	Upper
119	100		
105	79.7	53.9	112.1
134	46.4	32.0	66.6

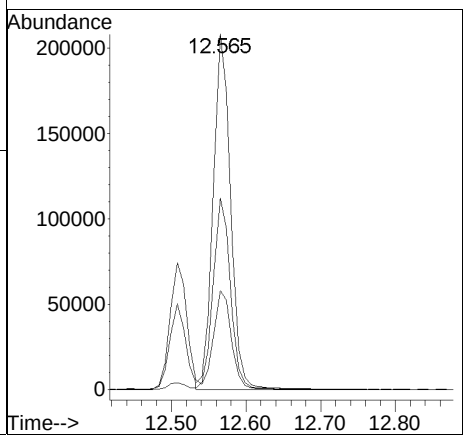


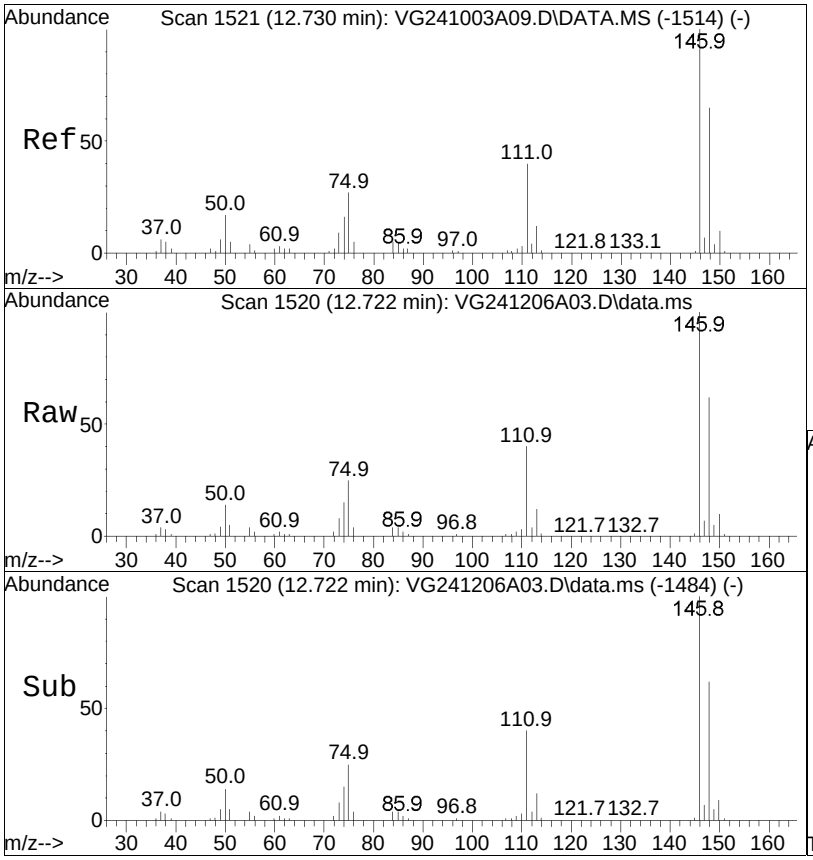


#103
n-Butylbenzene
Concen: 8.46 ug/L
RT: 12.565 min Scan# 1501
Delta R.T. -0.009 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion: 91 Resp: 338533

Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.8	65.8
134	27.9	22.0	33.0

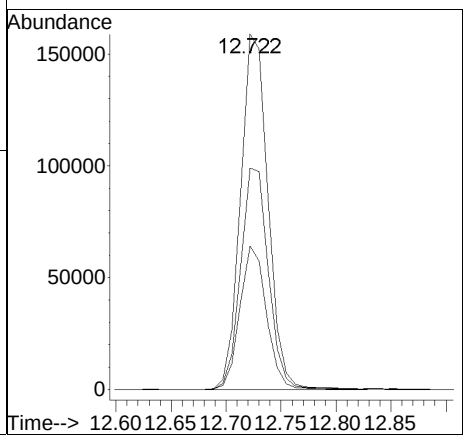


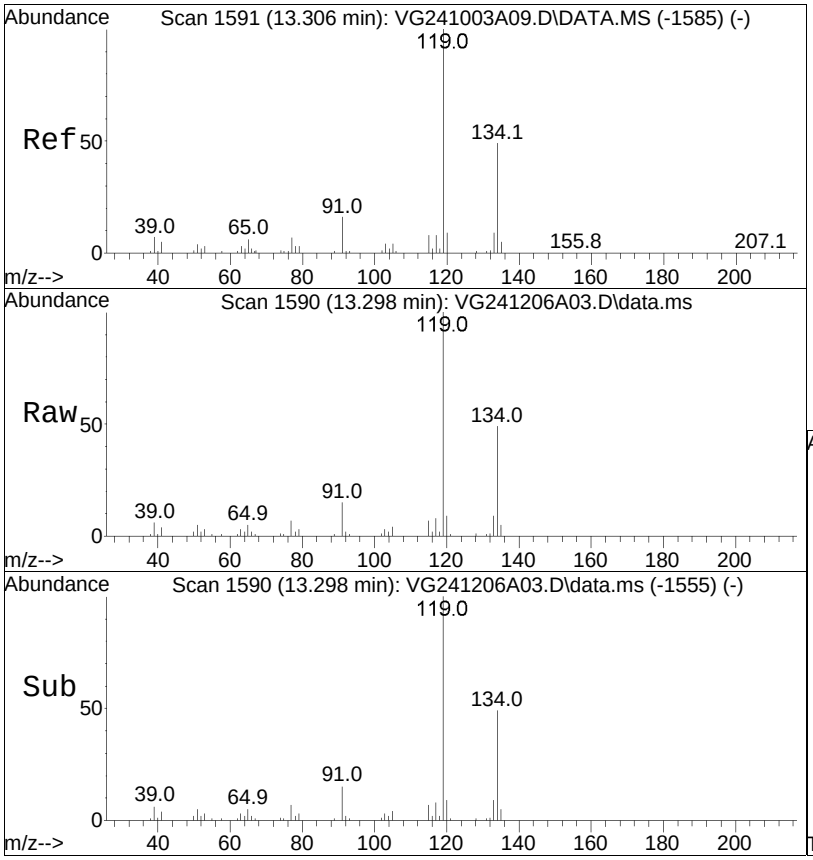


#104
1,2-Dichlorobenzene
Concen: 9.53 ug/L
RT: 12.722 min Scan# 1520
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:146 Resp: 276567

Ion	Ratio	Lower	Upper
146	100		
111	39.1	25.4	52.8
148	63.1	41.7	86.5

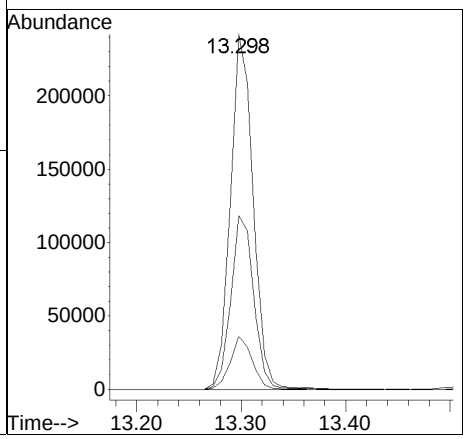


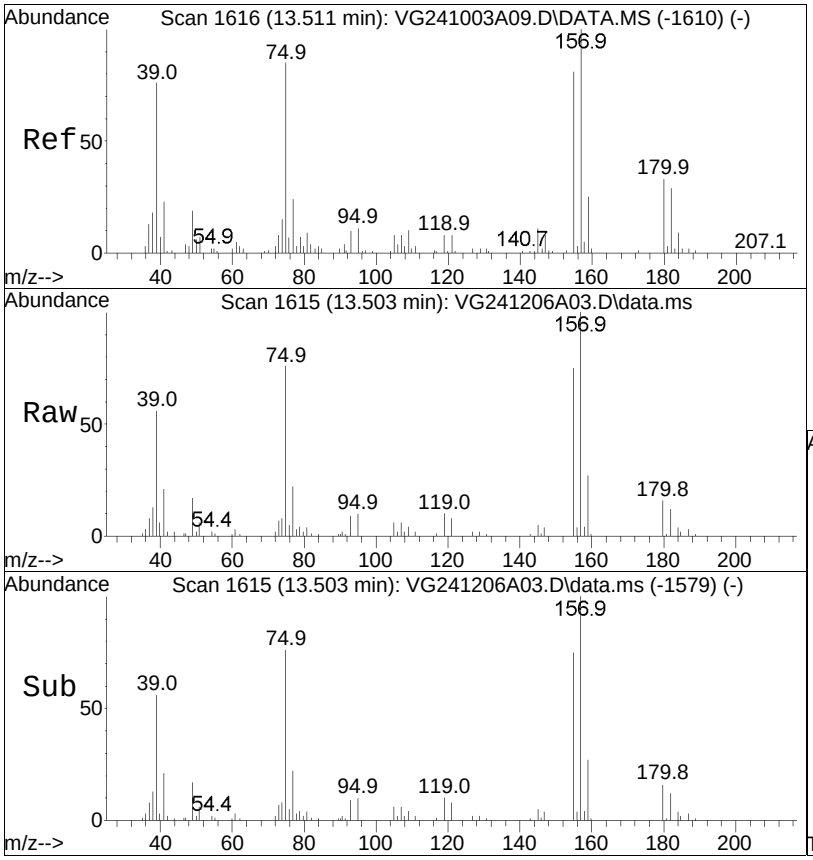


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.34 ug/L
RT: 13.298 min Scan# 1590
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:119 Resp: 366391

Ion	Ratio	Lower	Upper
119	100		
134	49.4	32.7	67.9
91	14.5	9.9	20.7

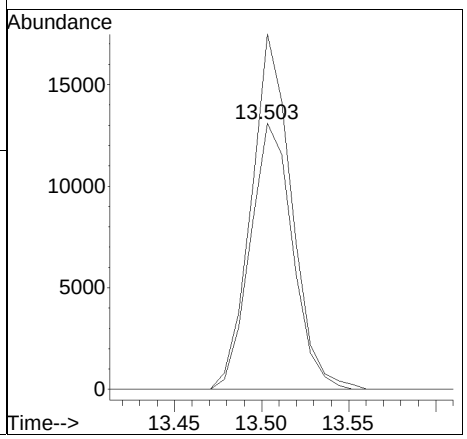


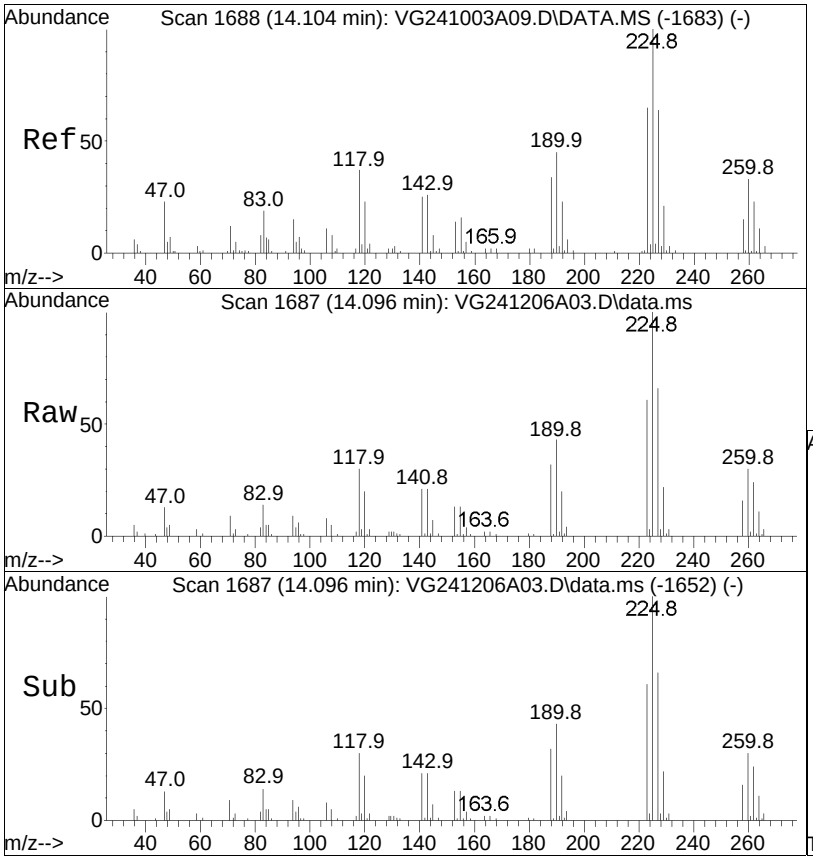


#106
1,2-Dibromo-3-chloropropane
Concen: 8.61 ug/L
RT: 13.503 min Scan# 1615
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:155 Resp: 22161

Ion	Ratio	Lower	Upper
155	100		
157	127.4	99.9	149.9

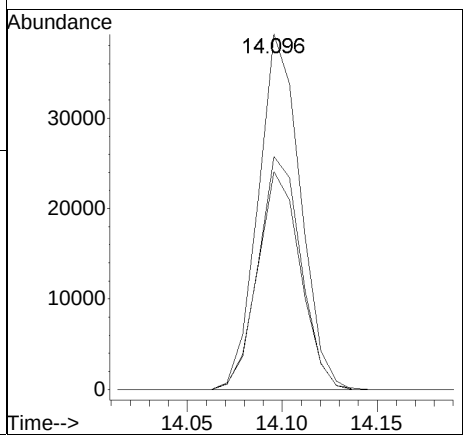


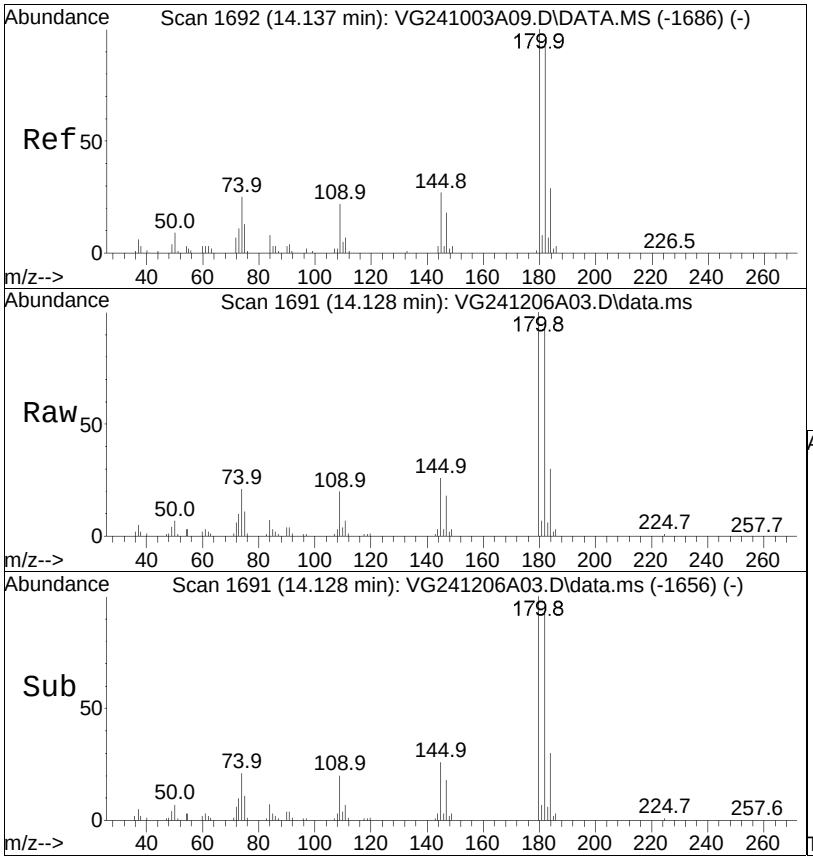


#108
Hexachlorobutadiene
Concen: 10.36 ug/L
RT: 14.096 min Scan# 1687
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:225 Resp: 60712

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.1	75.1
227	66.4	50.2	75.4

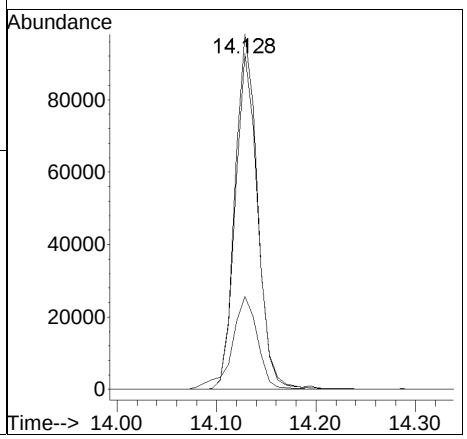


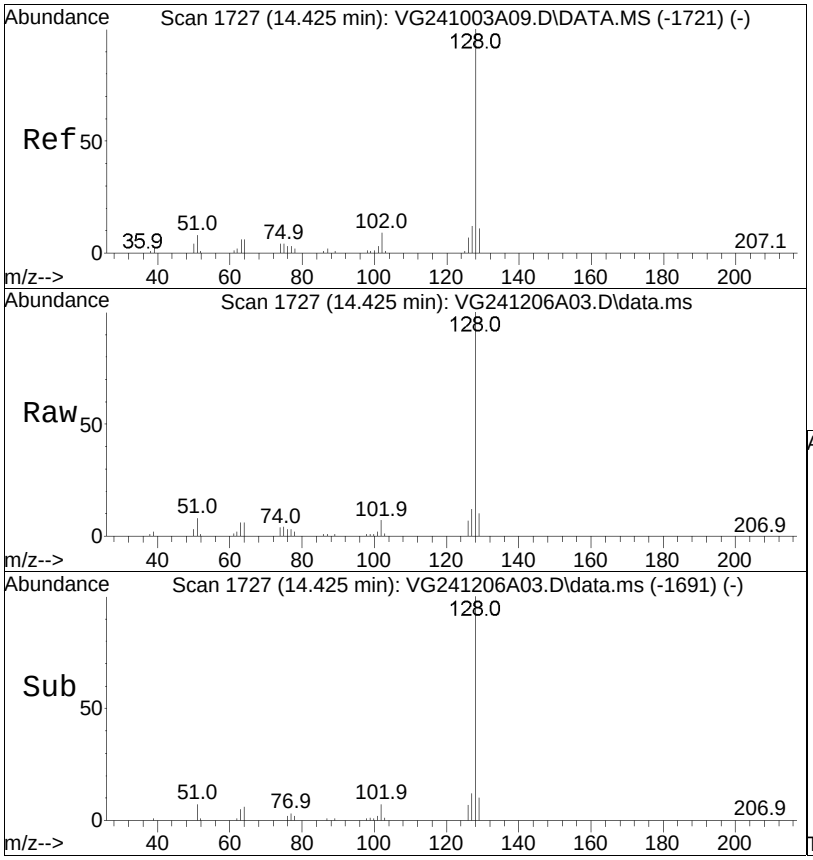


#109
1,2,4-Trichlorobenzene
Concen: 10.03 ug/L
RT: 14.128 min Scan# 1691
Delta R.T. -0.009 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:180 Resp: 155388

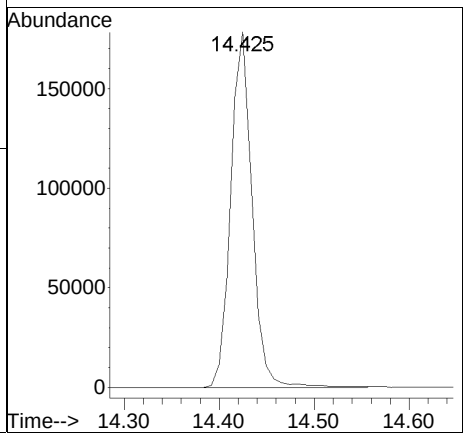
Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.7	115.1
145	29.6	26.5	39.7

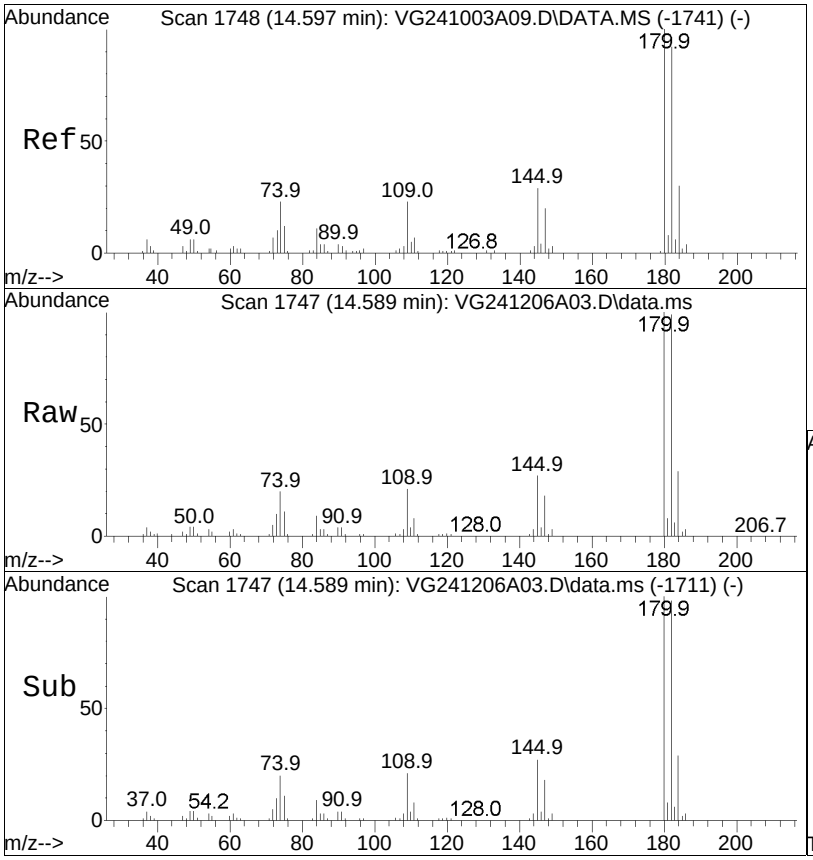




#110
Naphthalene
Concen: 8.50 ug/L
RT: 14.425 min Scan# 1727
Delta R.T. -0.000 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:128 Resp: 279048

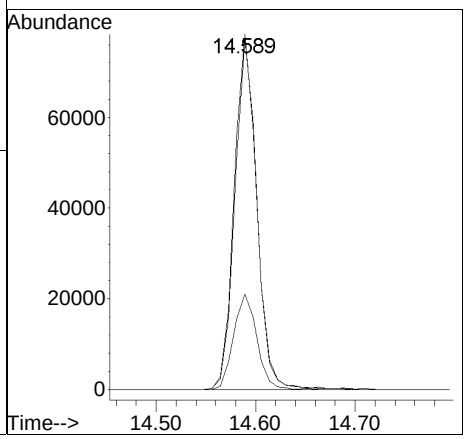




#111
1,2,3-Trichlorobenzene
Concen: 9.45 ug/L
RT: 14.589 min Scan# 1747
Delta R.T. -0.008 min
Lab File: VG241206A03.D
Acq: 6 Dec 2024 8:46 am

Tgt Ion:180 Resp: 122429

Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.0	115.4
145	27.7	24.1	36.1

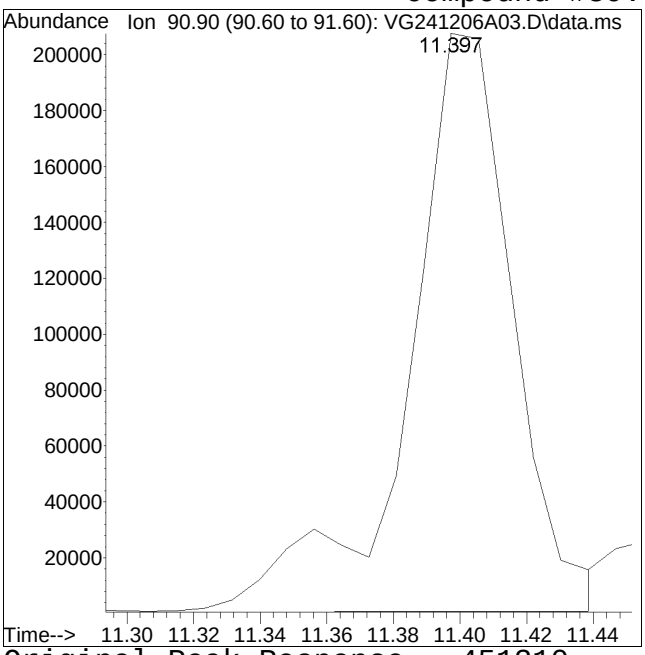


Manual Integration Report

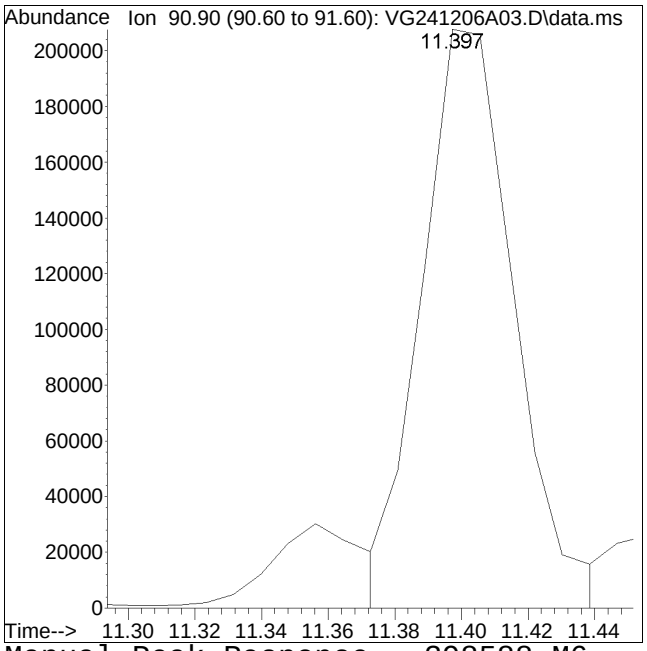
Data Path : K:\Gonzo\2024\241206A\
Data File : VG241206A03.D
Date Inj'd : 12/6/2024 8:46 am
Sample : WG2006732-4,31,10,10

QMethod : G_241003A_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 12/6/2024 9:47 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 451310



Manual Peak Response = 398588 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A03.D
Acq On : 7 Dec 2024 1:07 pm
Operator : GONZO:LAC
Sample : WG2006732-11,31,10,10
Misc : WG2006732,ICAL21571
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 13:34:23 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	476251	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 101.70%			
59) Chlorobenzene-d5	9.596	117	368860	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 101.61%			
79) 1,4-Dichlorobenzene-d4	12.286	152	218618	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 103.15%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.243	113	124093	10.449	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.49%			
43) 1,2-Dichloroethane-d4	5.775	65	147270	10.763	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.63%			
60) Toluene-d8	7.743	98	475626	9.750	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.50%			
83) 4-Bromofluorobenzene	11.085	95	180138	9.402	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.657	85	85676	8.467	ug/L	99
3) Chloromethane	1.870	50	99169	9.040	ug/L	97
4) Vinyl chloride	1.923	62	84478	7.727	ug/L	100
5) Bromomethane	2.234	94	19267	3.057	ug/L	93
6) Chloroethane	2.333	64	38757M1	6.182	ug/L	
7) Trichlorofluoromethane	2.485	101	134083	9.199	ug/L	99
8) Ethyl ether	2.789	74	42901	8.085	ug/L #	69
10) 1,1-Dichloroethene	2.986	96	76949	9.163	ug/L	84
11) Carbon disulfide	3.017	76	225659	8.846	ug/L	100
12) Freon-113	3.025	101	77078	9.022	ug/L #	72
14) Acrolein	3.321	56	15573	10.501	ug/L	95
15) Methylene chloride	3.549	84	88990	8.814	ug/L #	71
17) Acetone	3.594	43	24484	9.383	ug/L	98
18) trans-1,2-Dichloroethene	3.701	96	85521	9.395	ug/L	84
19) Methyl acetate	3.708	43	59414	10.024	ug/L #	91
20) Methyl tert-butyl ether	3.784	73	239362	7.775	ug/L #	86
21) tert-Butyl alcohol	3.883	59	42775	44.450	ug/L	91
22) Diisopropyl ether	4.141	45	364823	10.531	ug/L	91
23) 1,1-Dichloroethane	4.286	63	178268	10.111	ug/L	98
24) Halothane	4.339	117	69883	9.640	ug/L	98
25) Acrylonitrile	4.339	53	29951	9.201	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A03.D
Acq On : 7 Dec 2024 1:07 pm
Operator : GONZO:LAC
Sample : WG2006732-11,31,10,10
Misc : WG2006732,ICAL21571
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 13:34:23 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.491	59	296827	9.148	ug/L		85
27) Vinyl acetate	4.514	43	225353	9.120	ug/L		96
28) cis-1,2-Dichloroethene	4.802	96	97108	9.215	ug/L		90
29) 2,2-Dichloropropane	4.901	77	133570	11.396	ug/L		96
30) Bromochloromethane	5.000	128	45108	9.408	ug/L	#	75
31) Cyclohexane	4.992	56	171797	10.057	ug/L		67
32) Chloroform	5.068	83	158031	9.258	ug/L		98
33) Ethyl acetate	5.174	43	90344	9.609	ug/L	#	95
34) Carbon tetrachloride	5.197	117	128284	9.859	ug/L		99
35) Tetrahydrofuran	5.220	42	29789M6	9.779	ug/L		
37) 1,1,1-Trichloroethane	5.266	97	144376	9.589	ug/L		96
39) 2-Butanone	5.364	43	51017	12.819	ug/L	#	64
40) 1,1-Dichloropropene	5.387	75	120123	9.508	ug/L		98
41) Benzene	5.630	78	373422	9.507	ug/L	#	92
42) tert-Amyl methyl ether	5.737	73	239593	8.406	ug/L	#	89
44) 1,2-Dichloroethane	5.843	62	126618	9.517	ug/L		98
47) Methyl cyclohexane	6.208	83	124212	8.697	ug/L	#	65
48) Trichloroethene	6.231	95	97050	9.205	ug/L		97
50) Dibromomethane	6.679	93	54085	9.013	ug/L		96
51) 1,2-Dichloropropane	6.777	63	100095	9.823	ug/L		96
54) Bromodichloromethane	6.853	83	122460	8.908	ug/L		98
57) 1,4-Dioxane	7.056	88	43364	423.404	ug/L	#	75
58) cis-1,3-Dichloropropene	7.543	75	144002	9.246	ug/L		92
61) Toluene	7.801	92	236563	9.215	ug/L		97
62) 4-Methyl-2-pentanone	8.245	58	31382	8.729	ug/L	#	89
63) Tetrachloroethene	8.252	166	109397	9.852	ug/L		97
65) trans-1,3-Dichloropropene	8.295	75	128302	8.573	ug/L		99
67) Ethyl methacrylate	8.474	69	94561	7.121	ug/L		95
68) 1,1,2-Trichloroethane	8.481	83	62963	8.064	ug/L		96
69) Chlorodibromomethane	8.689	129	95991	8.888	ug/L		98
70) 1,3-Dichloropropane	8.803	76	135758	8.757	ug/L		99
71) 1,2-Dibromoethane	8.968	107	77677	8.407	ug/L		100
72) 2-Hexanone	9.255	43	56554	8.792	ug/L		94
73) Chlorobenzene	9.612	112	265202	9.615	ug/L		99
74) Ethylbenzene	9.645	91	447988	9.082	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.695	131	93210	8.817	ug/L		100
76) p/m Xylene	9.834	106	344901	18.378	ug/L		94
77) o Xylene	10.377	106	335294	18.448	ug/L		94
78) Styrene	10.443	104	559120	18.075	ug/L		97
80) Bromoform	10.476	173	67089	8.538	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A03.D
Acq On : 7 Dec 2024 1:07 pm
Operator : GONZO:LAC
Sample : WG2006732-11,31,10,10
Misc : WG2006732,ICAL21571
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 13:34:23 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Isopropylbenzene	10.748	105	419107	8.672	ug/L		100
84) Bromobenzene	11.192	156	125887	9.624	ug/L		99
85) n-Propylbenzene	11.233	91	494929	8.794	ug/L		99
86) 1,4-Dichlorobutane	11.258	55	157684	8.288	ug/L		96
87) 1,1,2,2-Tetrachloroethane	11.332	83	100858	8.244	ug/L		99
88) 4-Ethyltoluene	11.356	105	409960	8.898	ug/L		100
89) 2-Chlorotoluene	11.397	91	308312M6	8.982	ug/L		
90) 1,3,5-Trimethylbenzene	11.455	105	357418	8.760	ug/L		99
91) 1,2,3-Trichloropropane	11.463	75	79926	7.998	ug/L		95
92) trans-1,4-Dichloro-2-b...	11.521	53	28852	7.159	ug/L	#	92
93) 4-Chlorotoluene	11.587	91	324017	8.969	ug/L		98
94) tert-Butylbenzene	11.792	119	301265	9.362	ug/L		97
97) 1,2,4-Trimethylbenzene	11.875	105	349975	8.791	ug/L		99
98) sec-Butylbenzene	11.982	105	405275	8.732	ug/L		99
99) p-Isopropyltoluene	12.138	119	365444	9.284	ug/L		99
100) 1,3-Dichlorobenzene	12.212	146	224827	9.435	ug/L		99
101) 1,4-Dichlorobenzene	12.302	146	229524	9.274	ug/L		99
102) p-Diethylbenzene	12.508	119	197760	8.955	ug/L		98
103) n-Butylbenzene	12.566	91	277446	8.753	ug/L		99
104) 1,2-Dichlorobenzene	12.722	146	210342	9.156	ug/L		100
105) 1,2,4,5-Tetramethylben...	13.298	119	283219	9.119	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.503	155	17338	8.506	ug/L		94
107) 1,3,5-Trichlorobenzene	13.528	180	146245	10.118	ug/L		97
108) Hexachlorobutadiene	14.096	225	50735	10.930	ug/L		99
109) 1,2,4-Trichlorobenzene	14.129	180	118786	9.683	ug/L		99
110) Naphthalene	14.425	128	223121	8.588	ug/L		100
111) 1,2,3-Trichlorobenzene	14.589	180	95824	9.338	ug/L		99

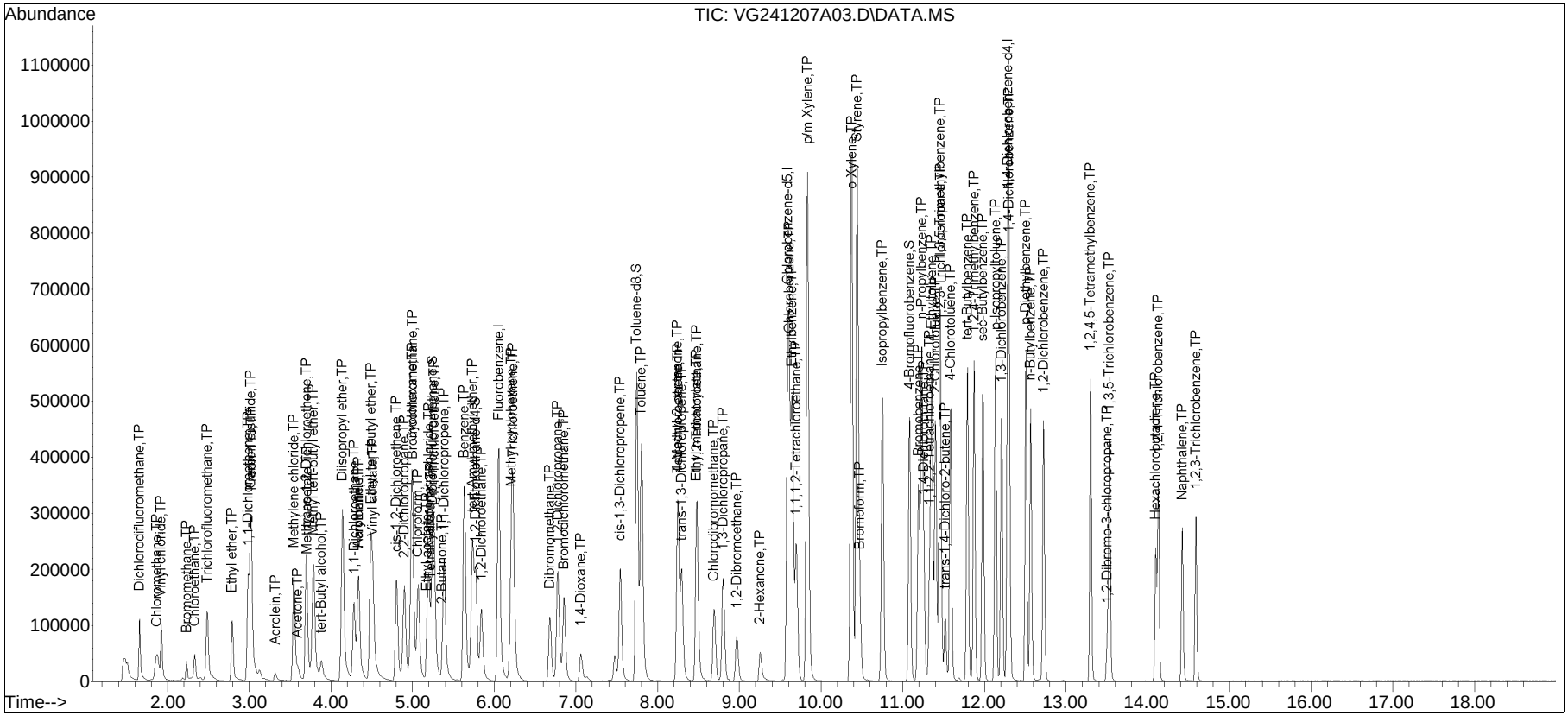
(#) = qualifier out of range (m) = manual integration (+) = signals summed

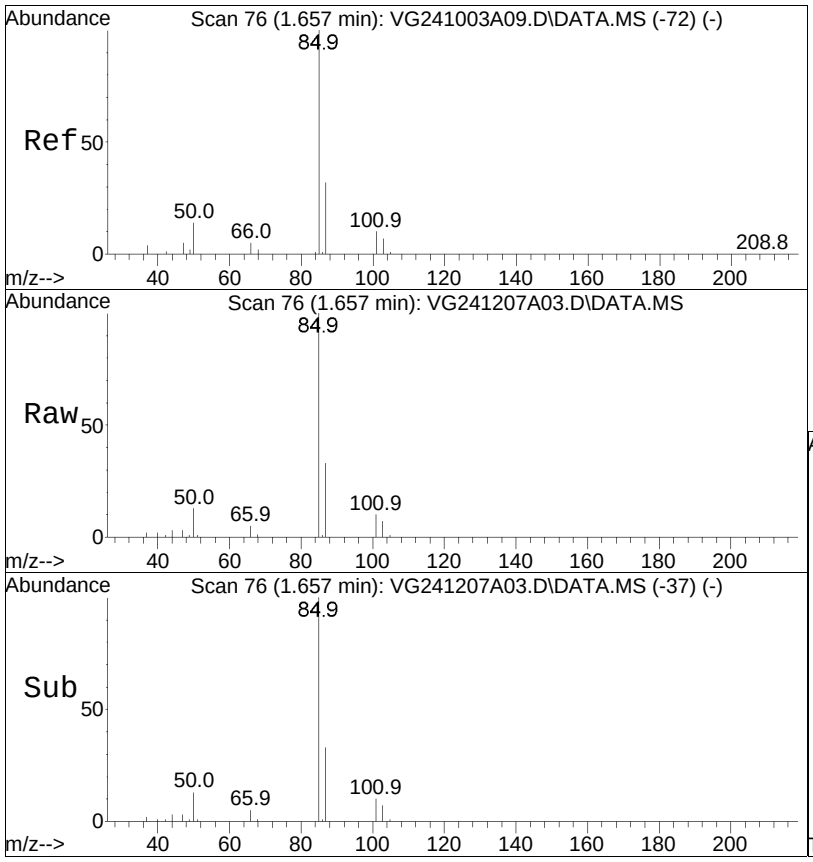
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A03.D
Acq On : 7 Dec 2024 1:07 pm
Operator : GONZO:LAC
Sample : WG2006732-11,31,10,10
Misc : WG2006732,ICAL21571
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 13:34:23 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

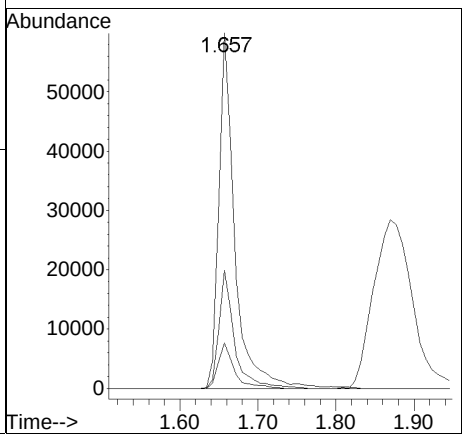


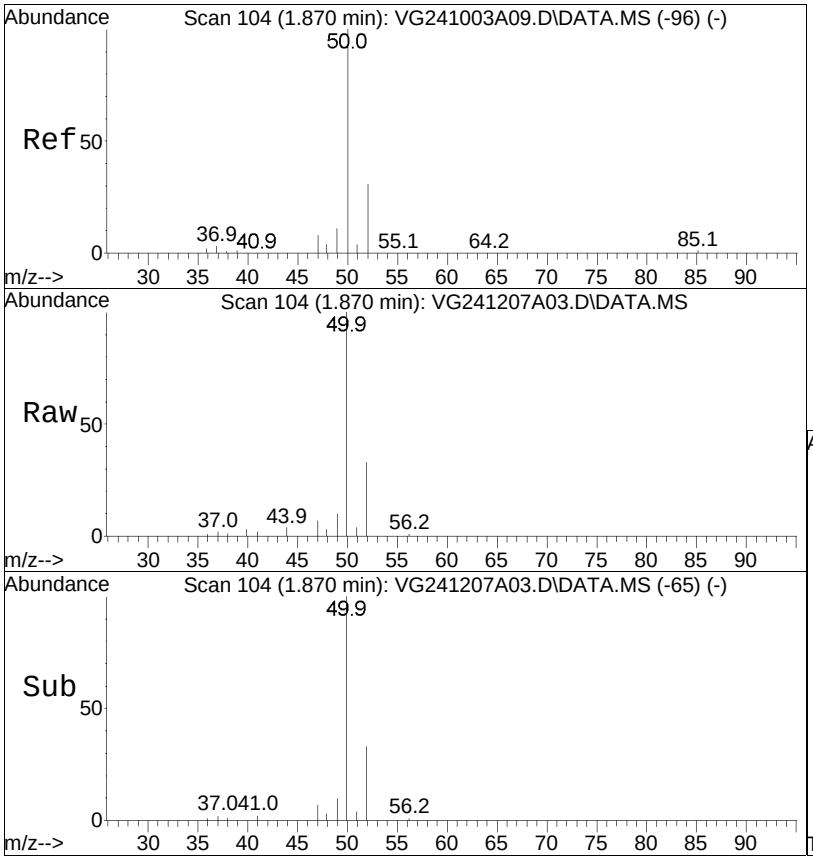


#2
Dichlorodifluoromethane
Concen: 8.47 ug/L
RT: 1.657 min Scan# 76
Delta R.T. 0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 85 Resp: 85676

Ion	Ratio	Lower	Upper
85	100		
87	31.9	20.7	42.9
50	12.7	7.5	15.5

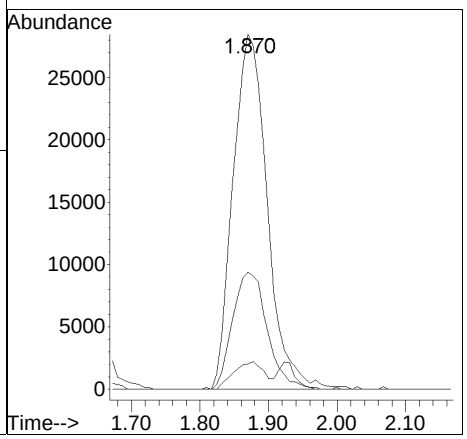


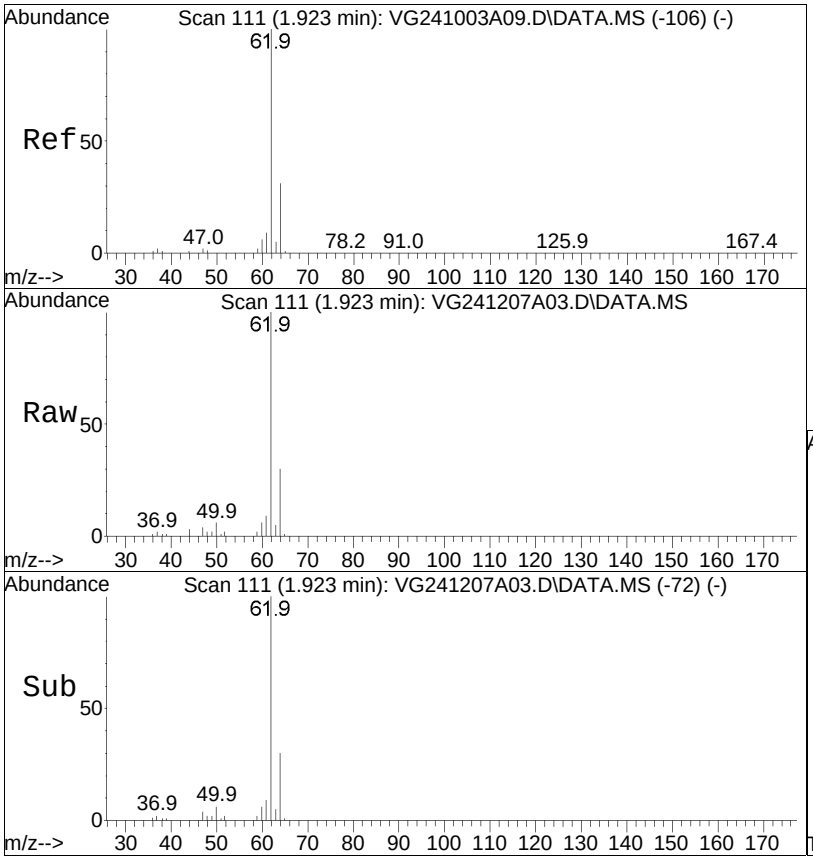


#3
Chloromethane
Concen: 9.04 ug/L
RT: 1.870 min Scan# 104
Delta R.T. -0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 50 Resp: 99169

Ion	Ratio	Lower	Upper
50	100		
52	33.2	11.7	51.7
47	7.2	0.0	28.0

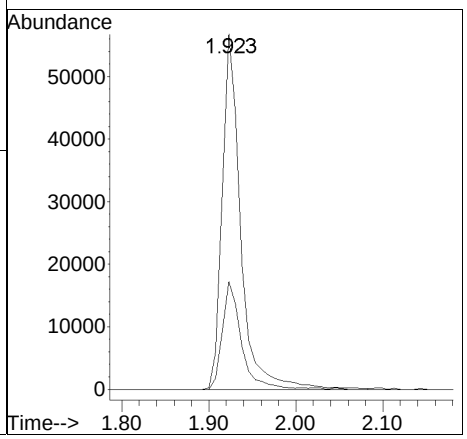


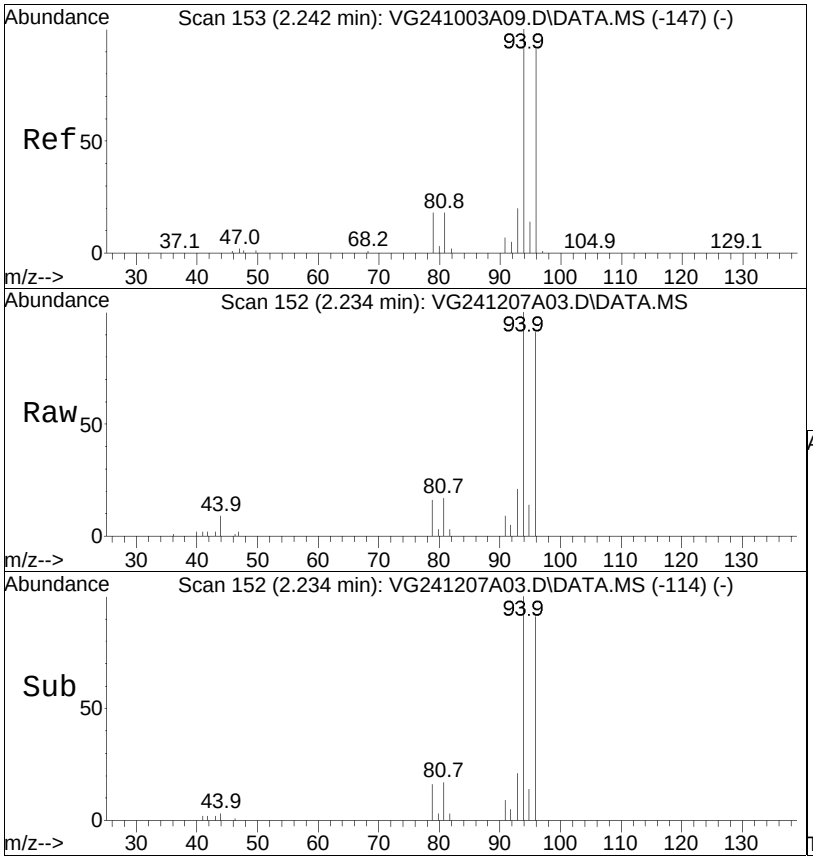


#4
Vinyl chloride
Concen: 7.73 ug/L
RT: 1.923 min Scan# 111
Delta R.T. -0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 62 Resp: 84478

Ion	Ratio	Lower	Upper
62	100		
64	31.1	11.3	51.3

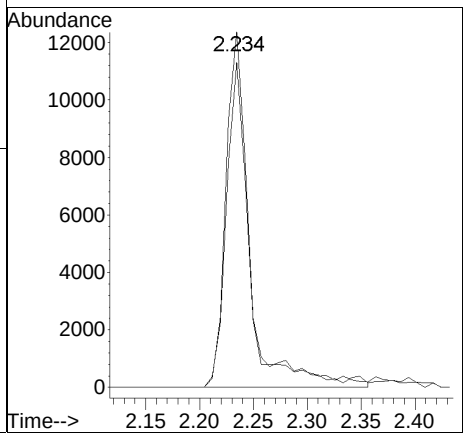


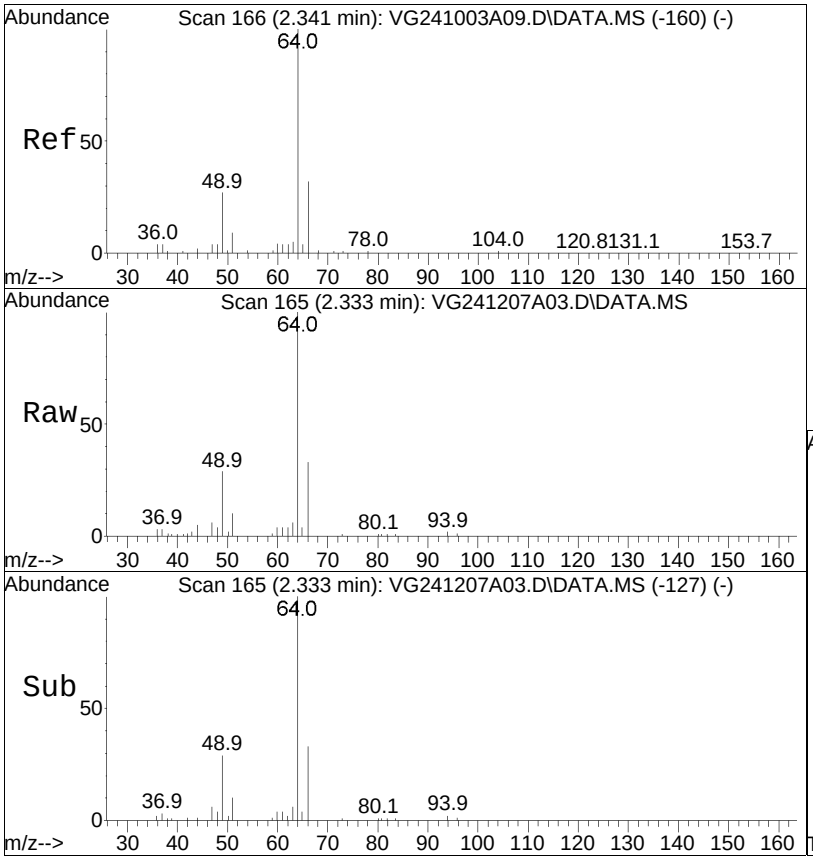


#5
Bromomethane
Concen: 3.06 ug/L
RT: 2.234 min Scan# 152
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 94 Resp: 19267

Ion	Ratio	Lower	Upper
94	100		
96	88.6	75.2	115.2

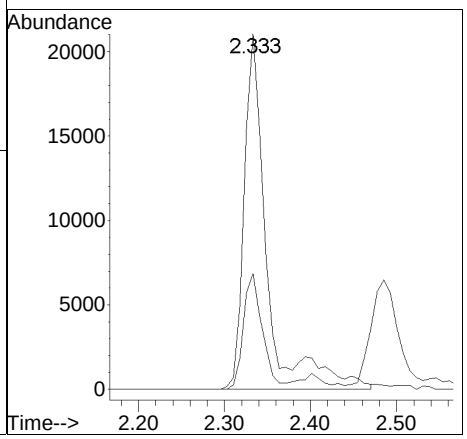


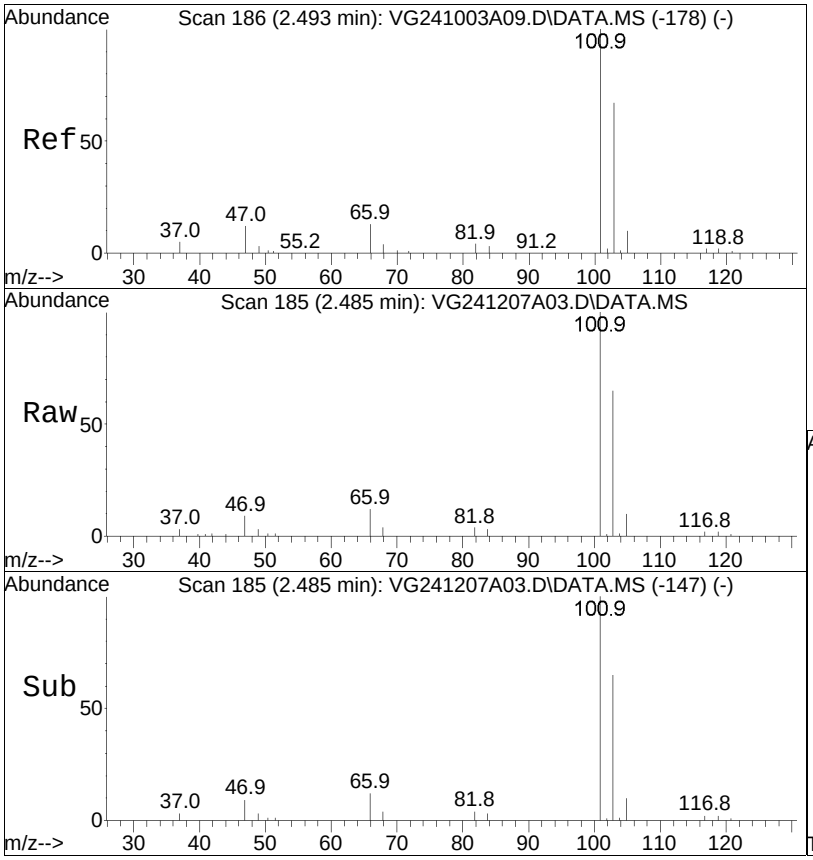


#6
Chloroethane
Concen: 6.18 ug/L M1
RT: 2.333 min Scan# 165
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 64 Resp: 38757

Ion	Ratio	Lower	Upper
64	100		
66	27.2	13.7	53.7

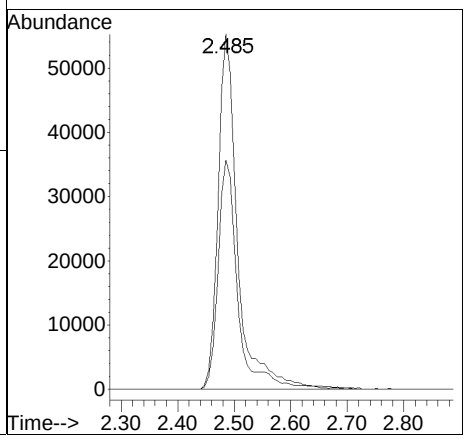


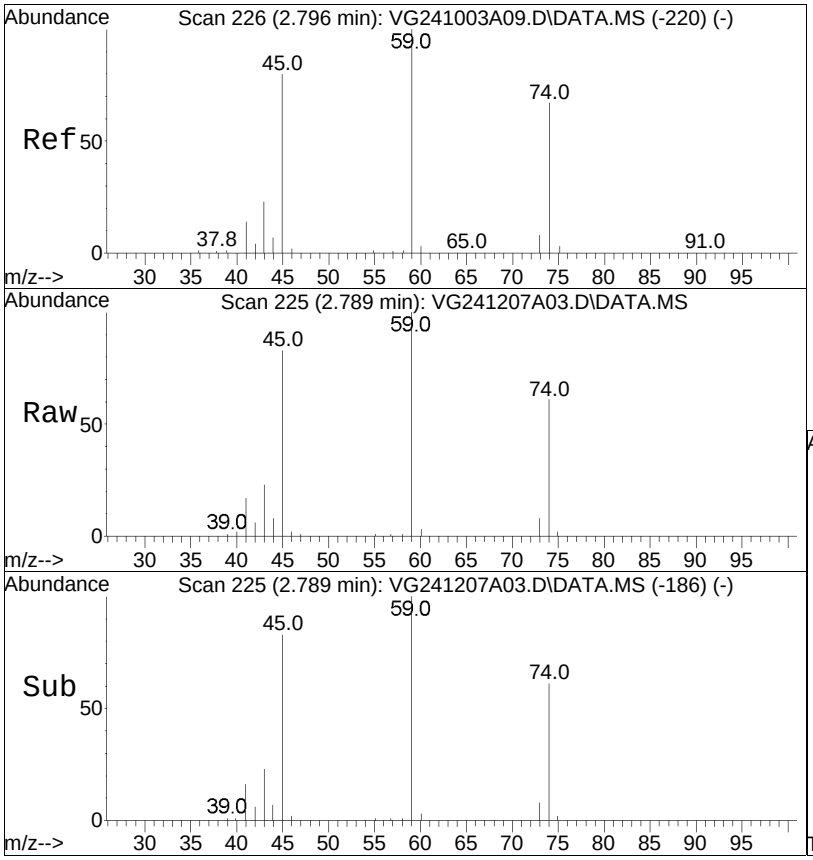


#7
Trichlorofluoromethane
Concen: 9.20 ug/L
RT: 2.485 min Scan# 185
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:101 Resp: 134083

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.2

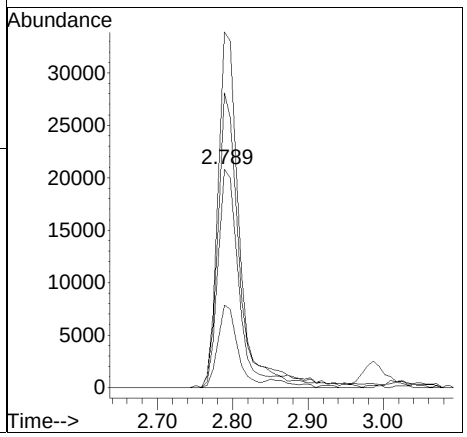


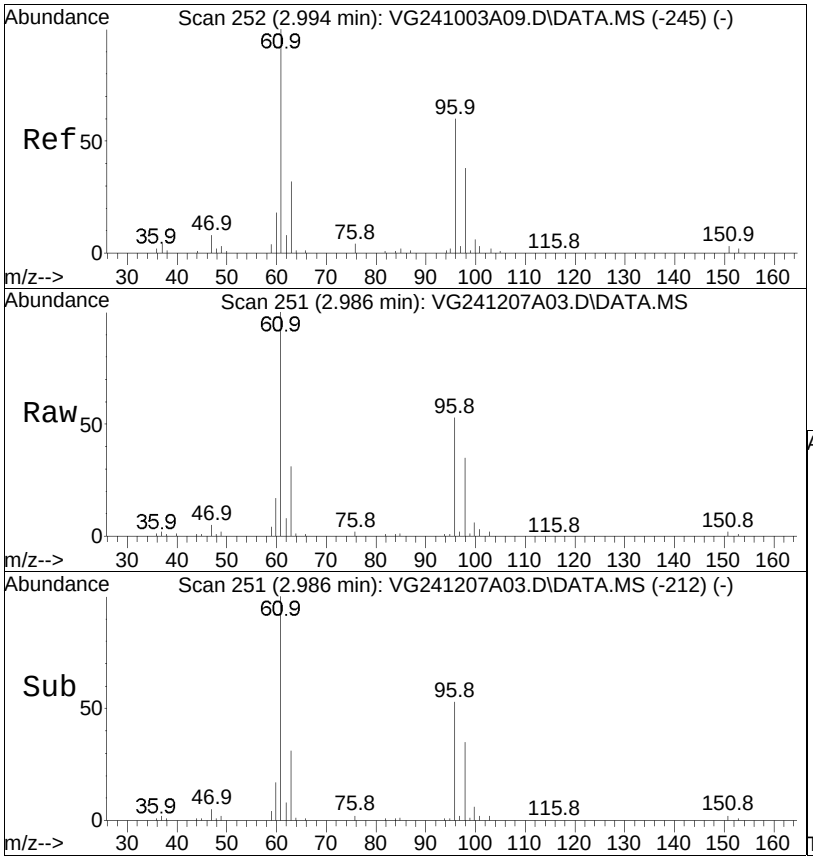


#8
Ethyl ether
Concen: 8.09 ug/L
RT: 2.789 min Scan# 225
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 74 Resp: 42901

Ion	Ratio	Lower	Upper
74	100		
59	160.1	83.5	173.3
45	131.7	59.7	123.9#
43	33.1	17.6	36.6

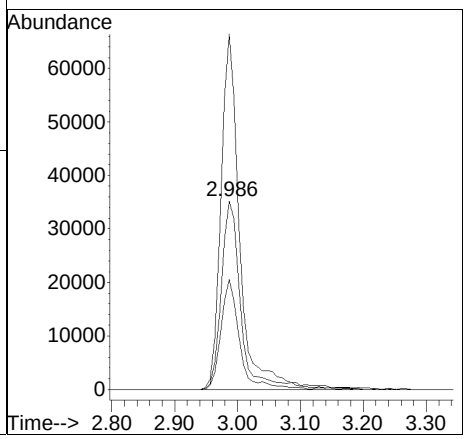


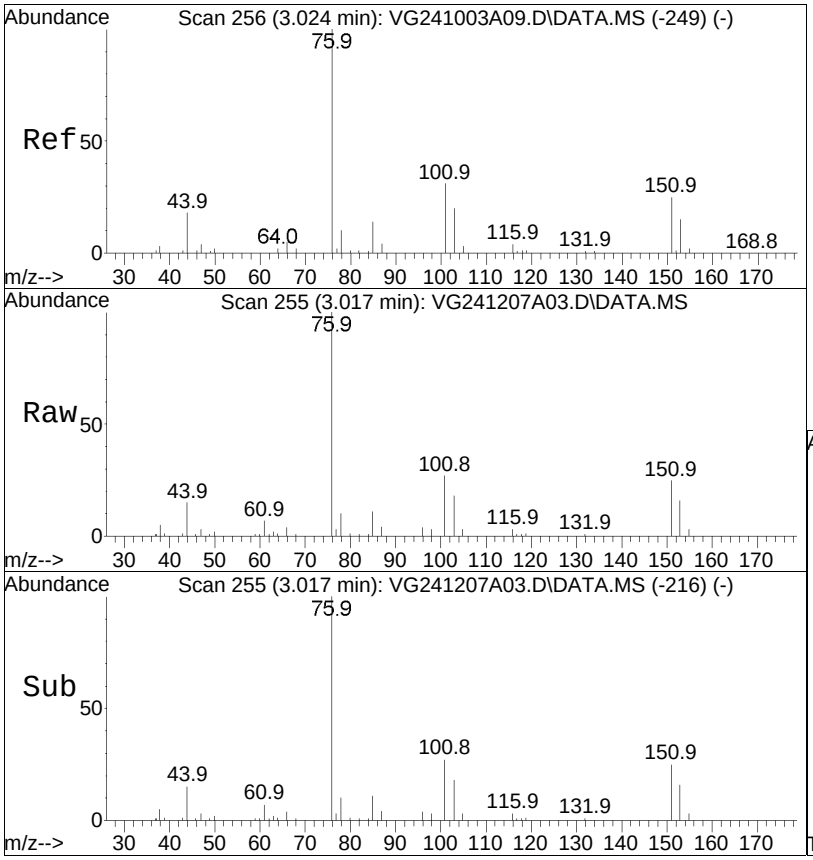


#10
1,1-Dichloroethene
Concen: 9.16 ug/L
RT: 2.986 min Scan# 251
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 96 Resp: 76949

Ion	Ratio	Lower	Upper
96	100		
61	180.2	124.2	186.4
63	54.9	40.0	60.0

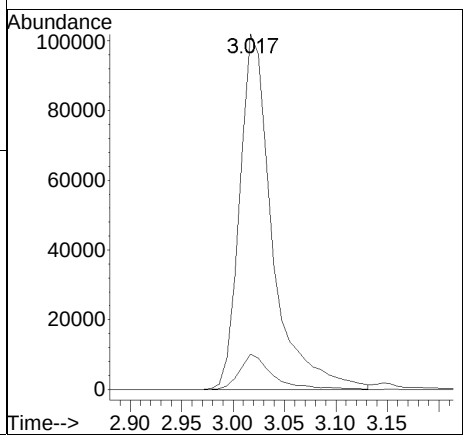


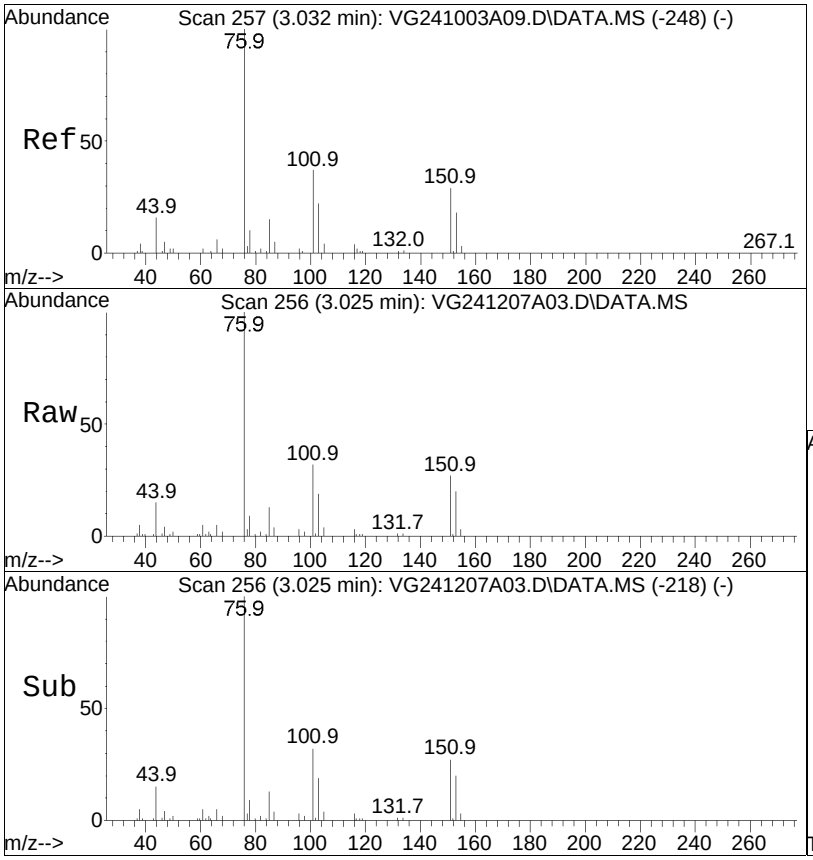


#11
Carbon disulfide
Concen: 8.85 ug/L
RT: 3.017 min Scan# 255
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 76 Resp: 225659

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.6	13.6

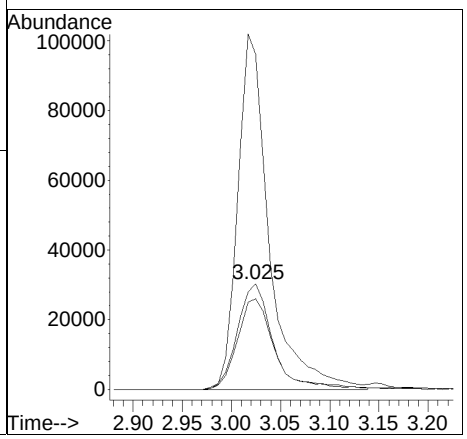


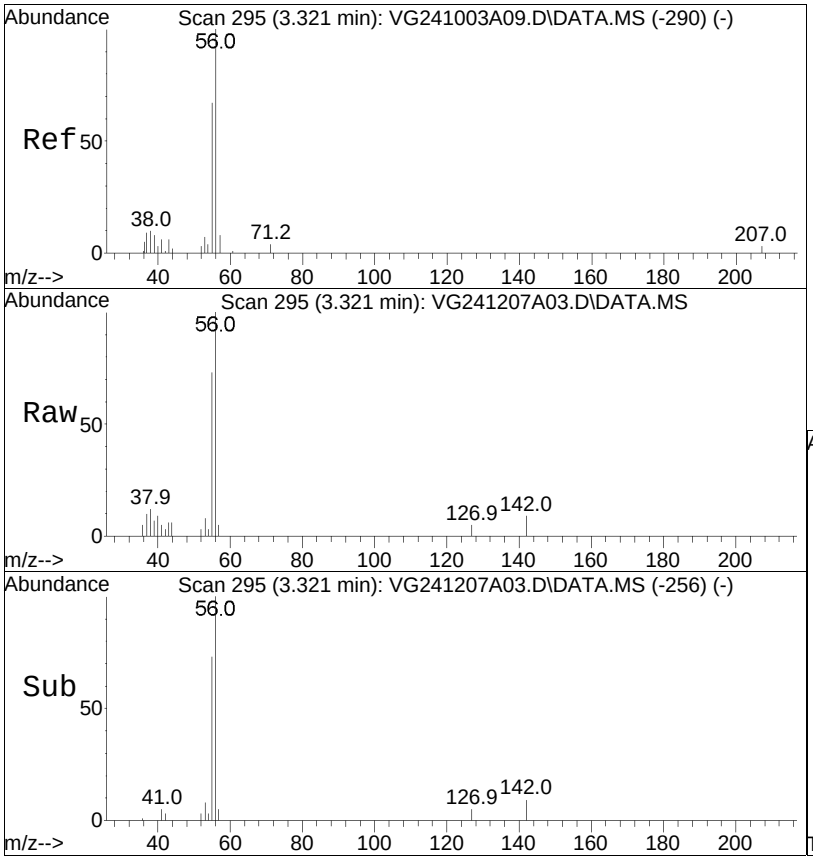


#12
Freon-113
Concen: 9.02 ug/L
RT: 3.025 min Scan# 256
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:101 Resp: 77078

Ion	Ratio	Lower	Upper
101	100		
151	89.6	68.2	102.2
76	292.8	186.0	279.0#

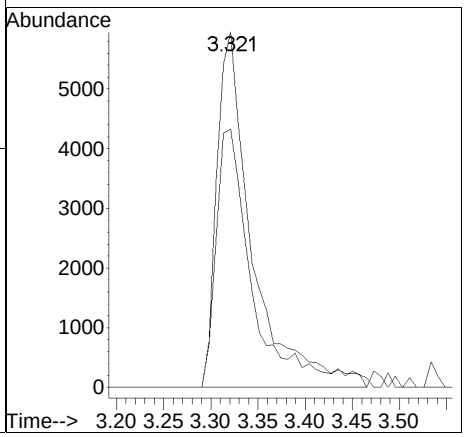


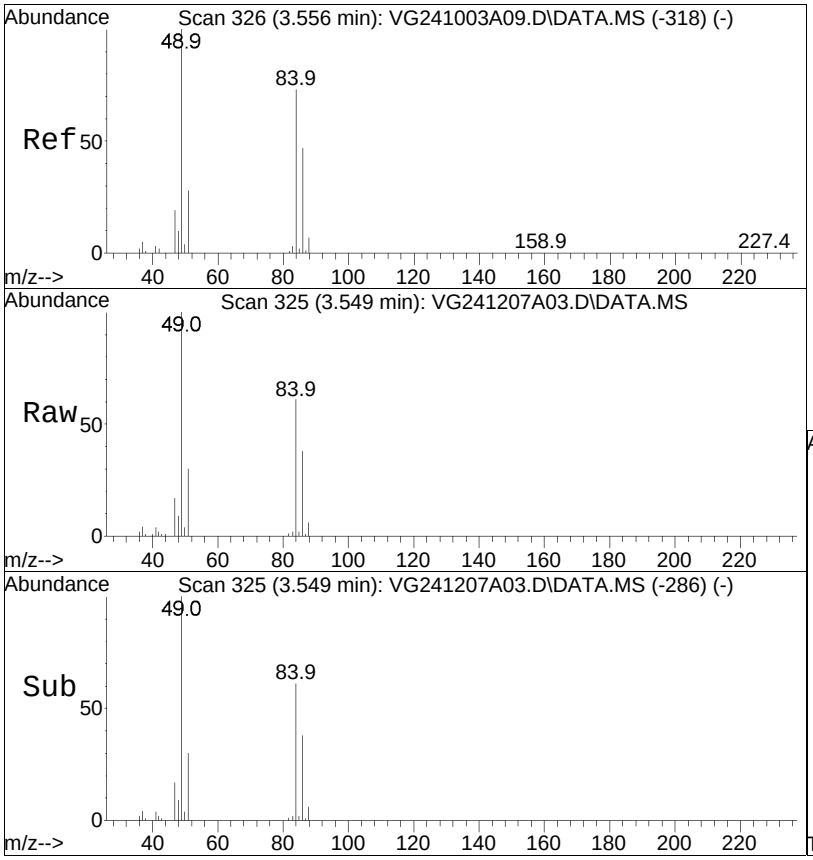


#14
Acrolein
Concen: 10.50 ug/L
RT: 3.321 min Scan# 295
Delta R.T. -0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 56 Resp: 15573

Ion	Ratio	Lower	Upper
56	100		
55	72.7	55.0	82.6

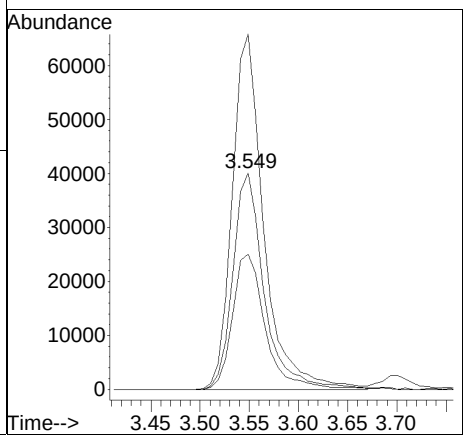


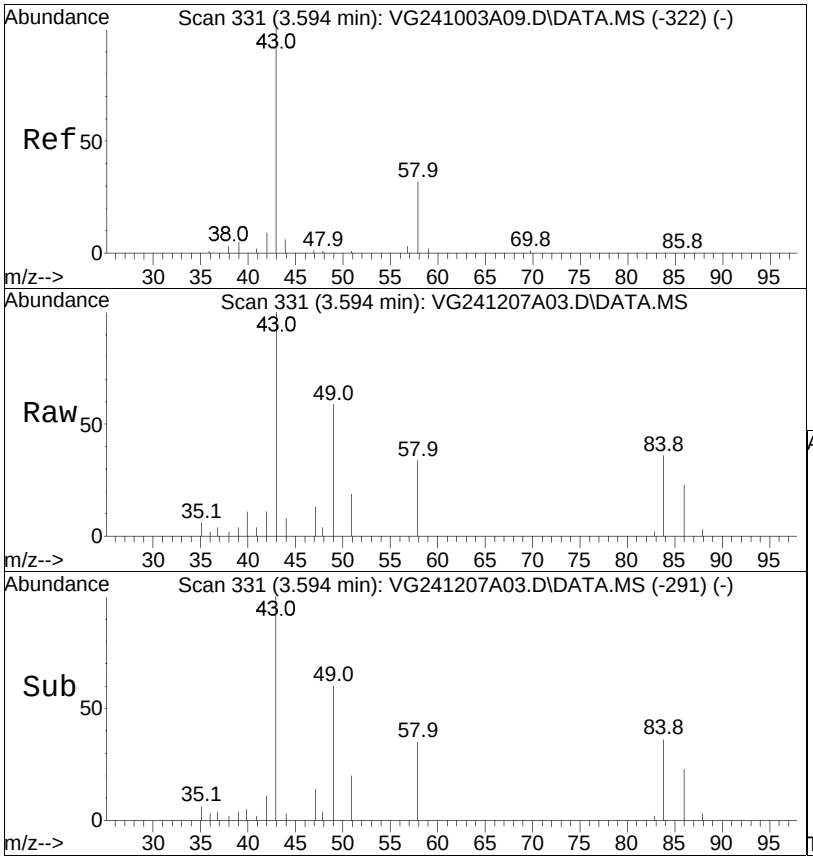


#15
Methylene chloride
Concen: 8.81 ug/L
RT: 3.549 min Scan# 325
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 84 Resp: 88990

Ion	Ratio	Lower	Upper
84	100		
86	65.8	41.1	85.5
49	164.8	76.2	158.2#

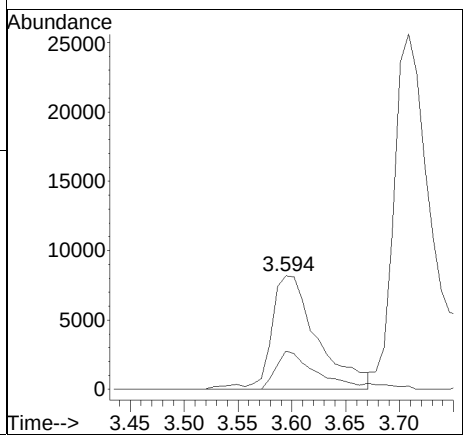


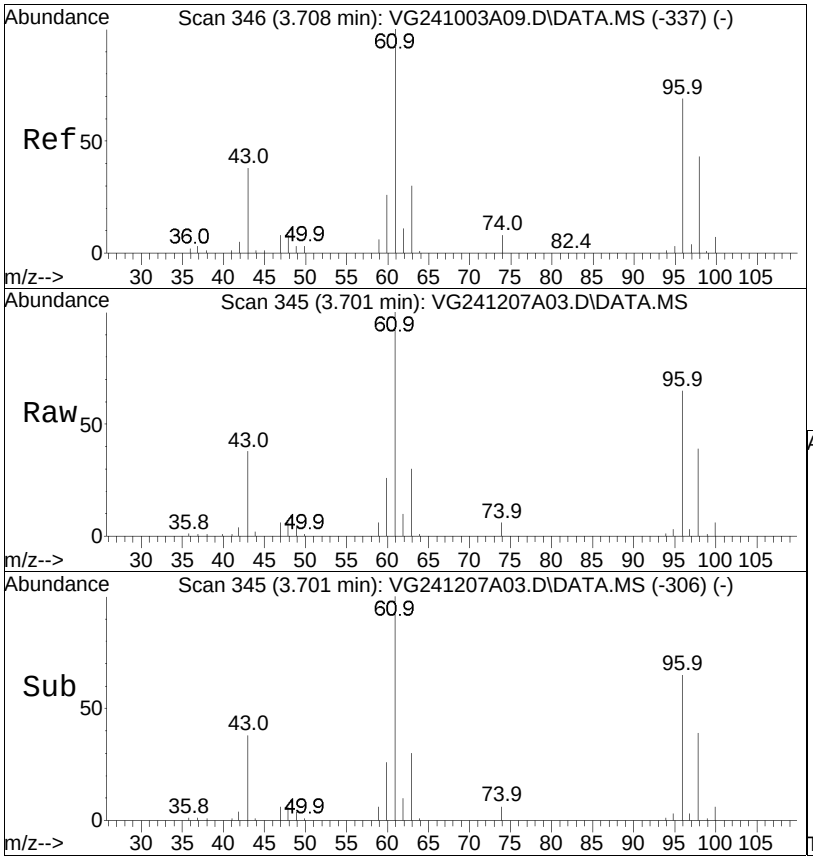


#17
Acetone
Concen: 9.38 ug/L
RT: 3.594 min Scan# 331
Delta R.T. 0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 43 Resp: 24484

Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.2	33.4

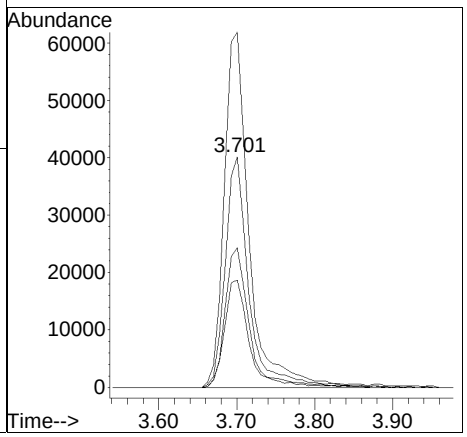


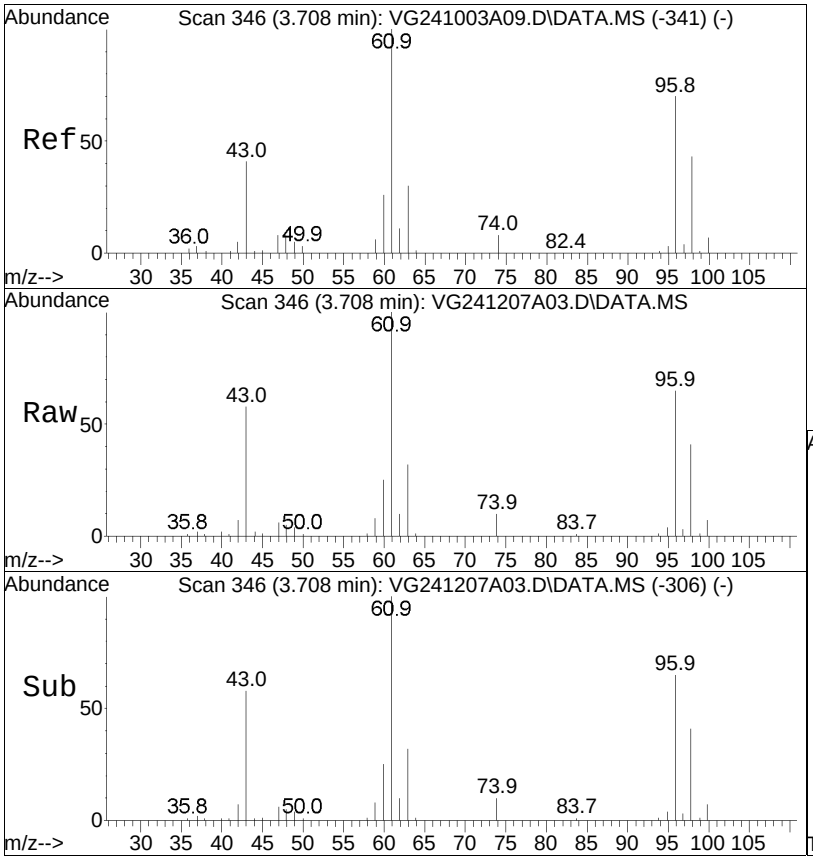


#18
trans-1,2-Dichloroethene
Concen: 9.39 ug/L
RT: 3.701 min Scan# 345
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 96 Resp: 85521

Ion	Ratio	Lower	Upper
96	100		
61	161.3	85.7	178.1
98	62.1	40.2	83.4
63	48.7	28.0	58.2

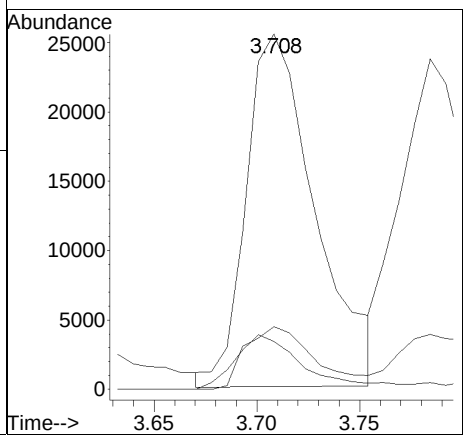


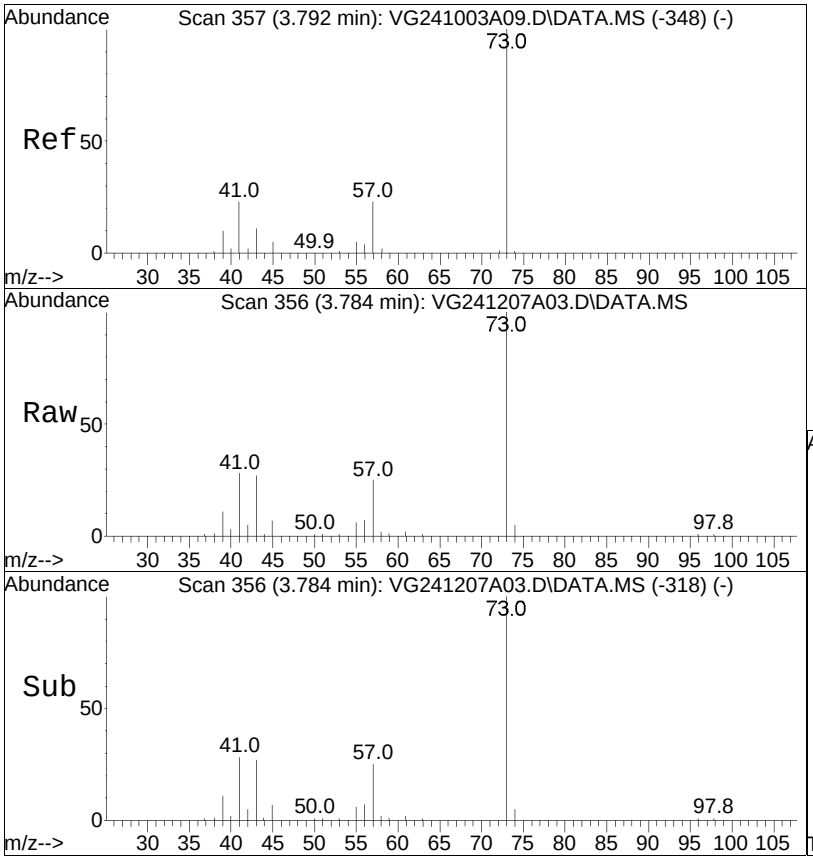


#19
Methyl acetate
Concen: 10.02 ug/L
RT: 3.708 min Scan# 346
Delta R.T. 0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 43 Resp: 59414

Ion	Ratio	Lower	Upper
43	100		
74	18.2	19.3	28.9#
59	15.6	13.9	20.9

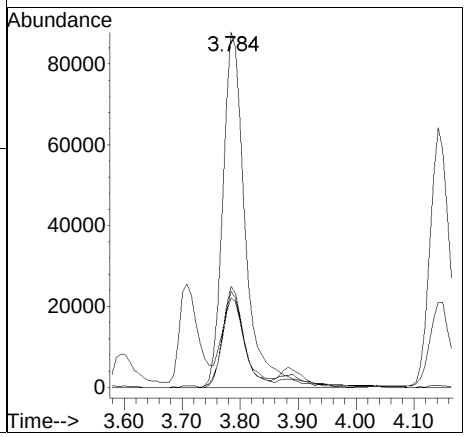


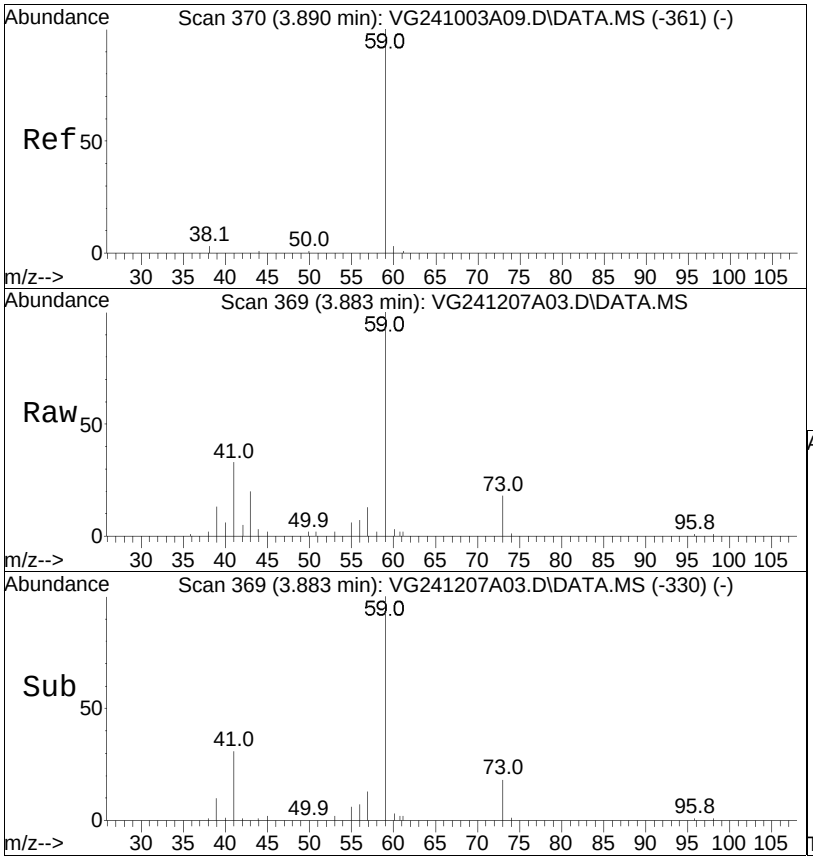


#20
Methyl tert-butyl ether
Concen: 7.78 ug/L
RT: 3.784 min Scan# 356
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 73 Resp: 239362

Ion	Ratio	Lower	Upper
73	100		
57	24.8	12.5	26.1
43	25.9	13.0	27.0
41	26.7	12.5	26.1#

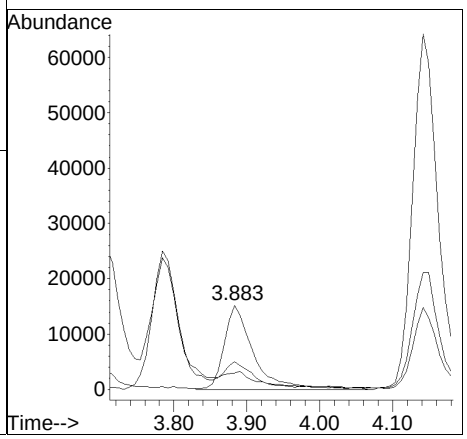


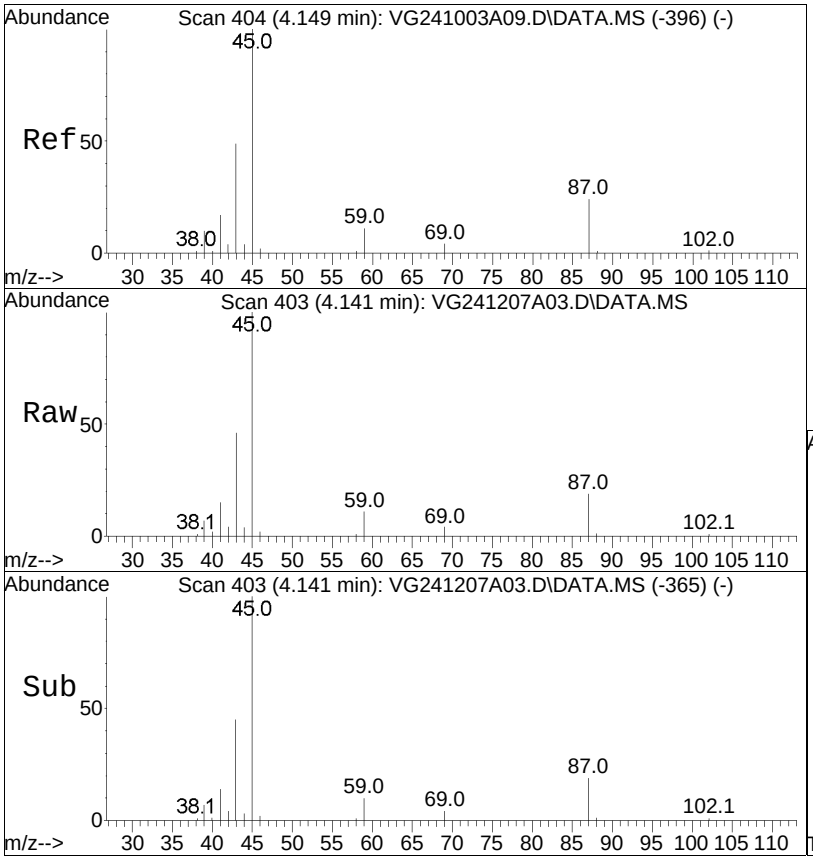


#21
tert-Butyl alcohol
Concen: 44.45 ug/L
RT: 3.883 min Scan# 369
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 59 Resp: 42775

Ion	Ratio	Lower	Upper
59	100		
41	29.7	17.0	35.2
43	17.9	15.1	31.3

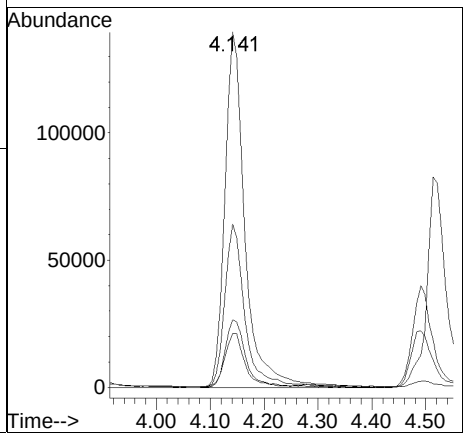


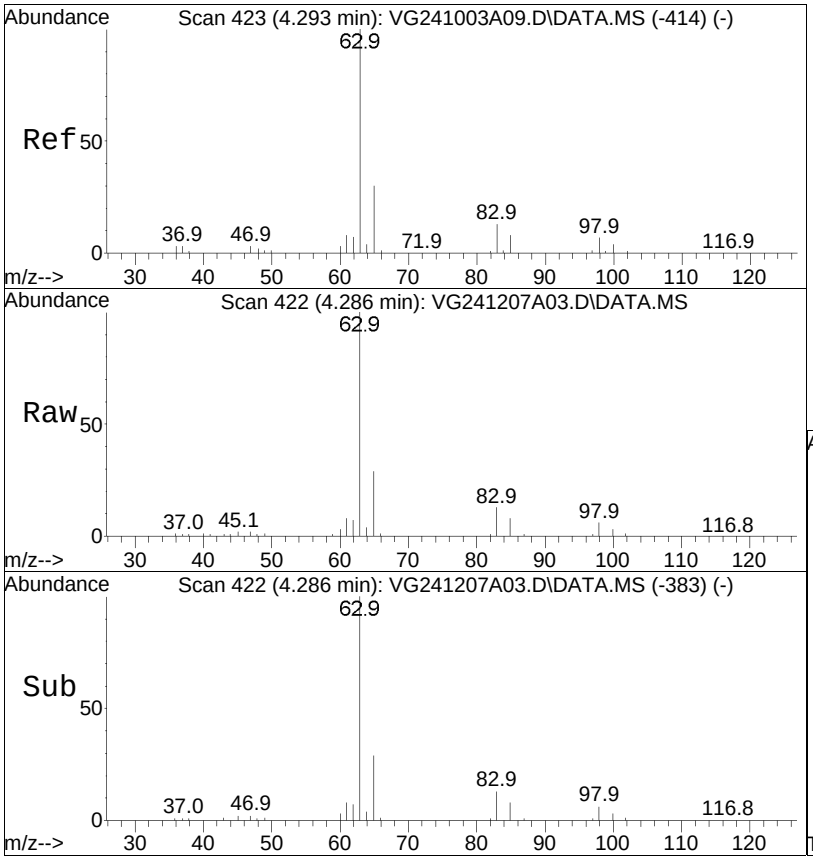


#22
Diisopropyl ether
Concen: 10.53 ug/L
RT: 4.141 min Scan# 403
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 45 Resp: 364823

Ion	Ratio	Lower	Upper
45	100		
43	45.1	32.1	66.7
87	19.3	18.1	37.7
41	14.9	11.1	23.0

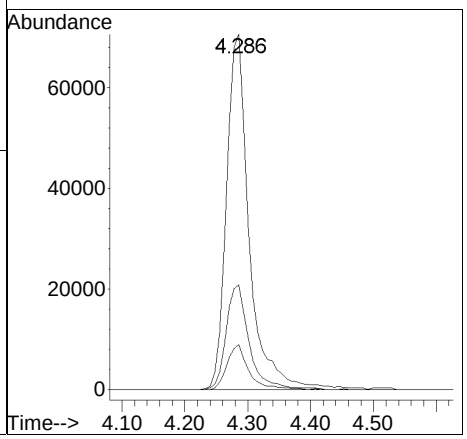


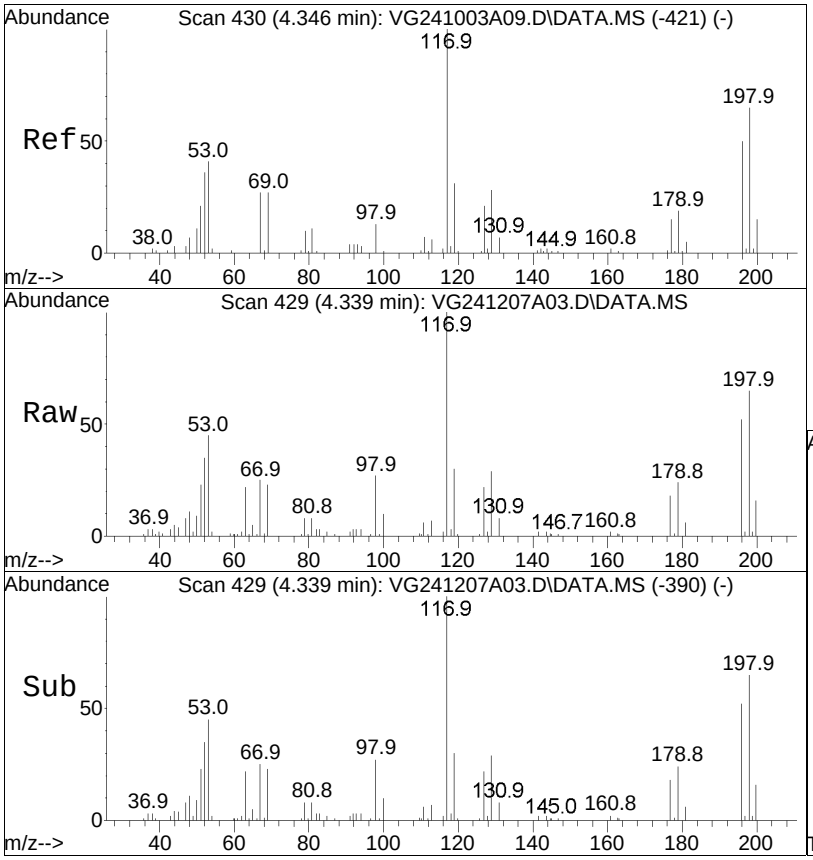


#23
1,1-Dichloroethane
Concen: 10.11 ug/L
RT: 4.286 min Scan# 422
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 63 Resp: 178268

Ion	Ratio	Lower	Upper
63	100		
65	29.6	10.4	50.4
83	11.9	0.0	33.2

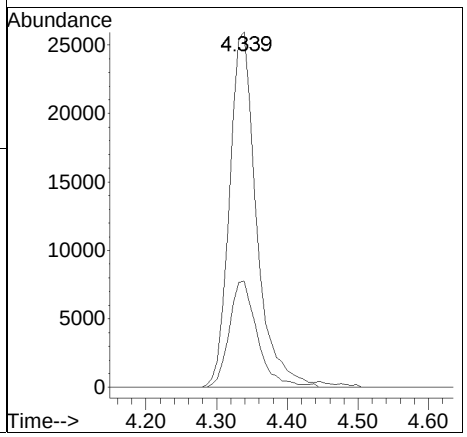


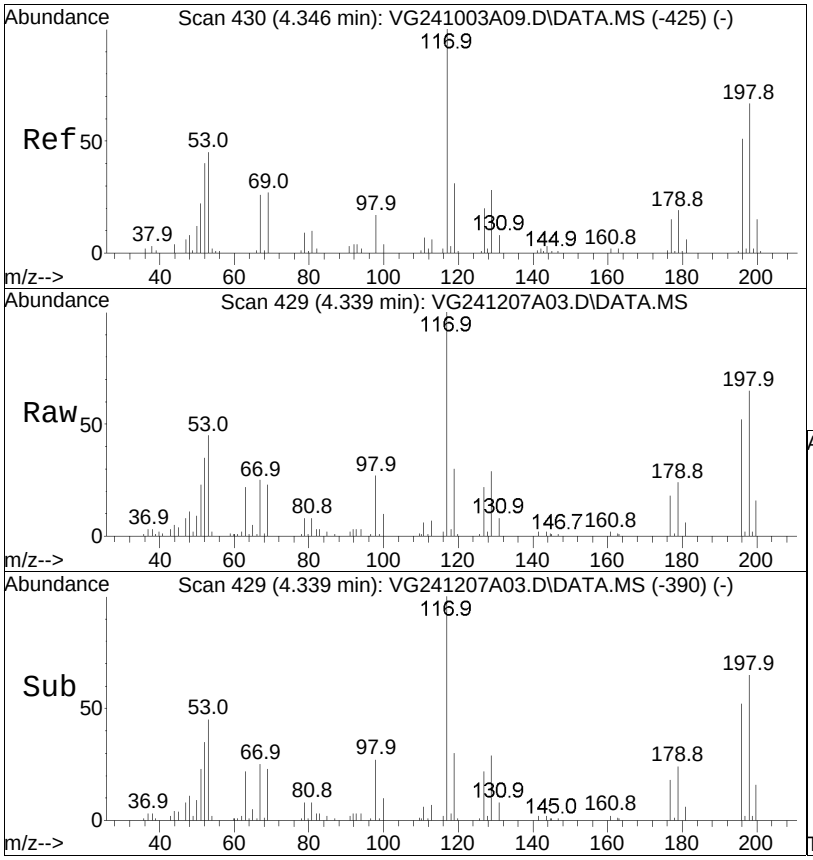


#24
Halothane
Concen: 9.64 ug/L
RT: 4.339 min Scan# 429
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:117 Resp: 69883

Ion	Ratio	Lower	Upper
117	100		
119	31.0	20.9	43.5

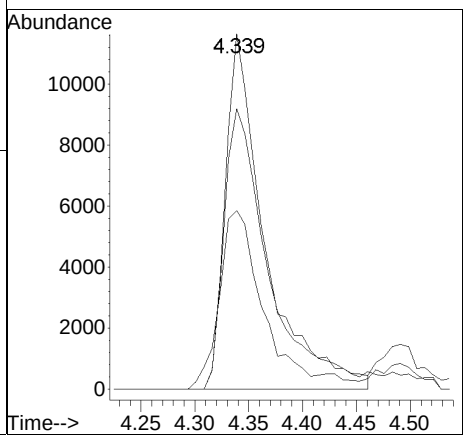


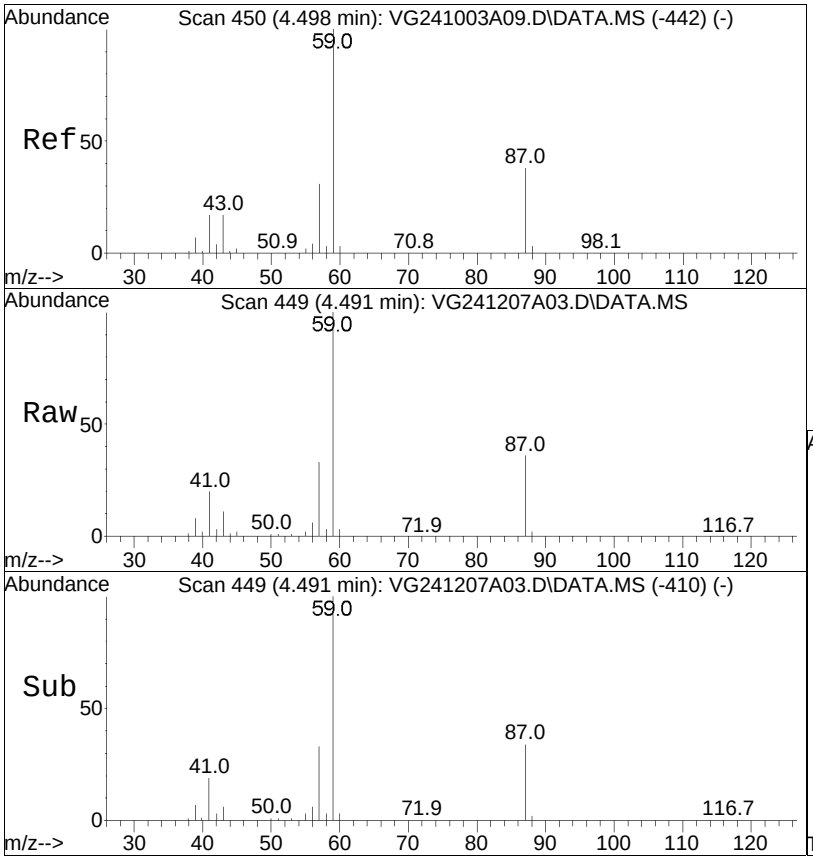


#25
Acrylonitrile
Concen: 9.20 ug/L
RT: 4.339 min Scan# 429
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 53 Resp: 29951

Ion	Ratio	Lower	Upper
53	100		
52	88.1	68.3	102.5
51	54.5	51.9	77.9

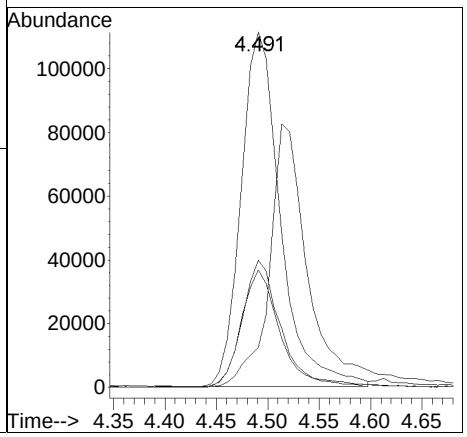


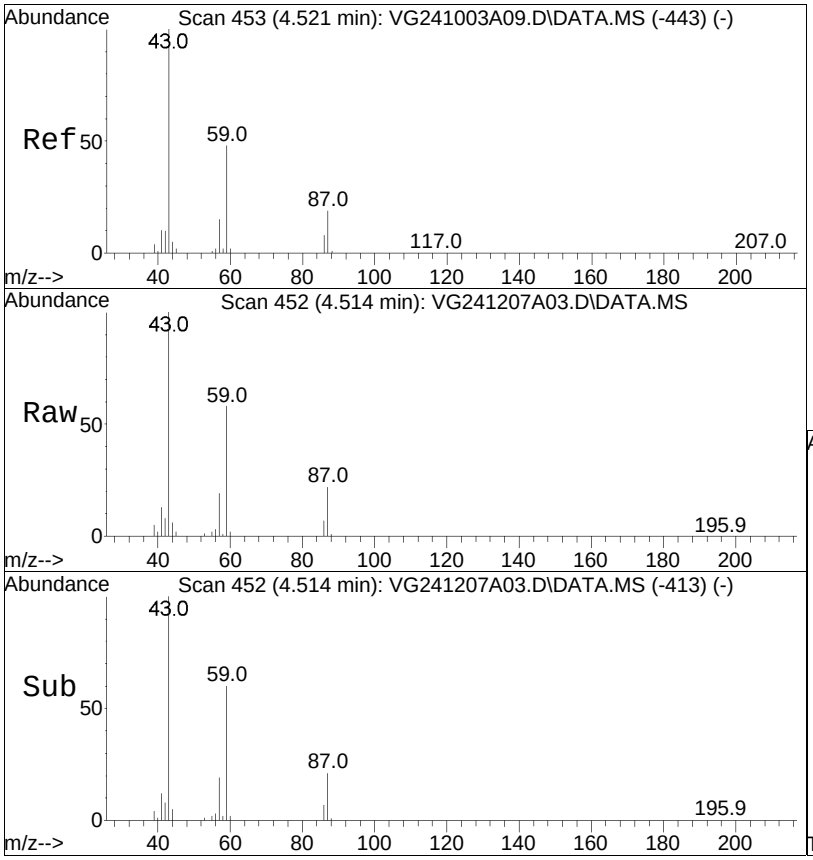


#26
Ethyl tert-butyl ether
Concen: 9.15 ug/L
RT: 4.491 min Scan# 449
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 59 Resp: 296827

Ion	Ratio	Lower	Upper
59	100		
87	35.9	28.7	59.7
57	33.3	20.2	41.9
43	75.9	38.9	80.7

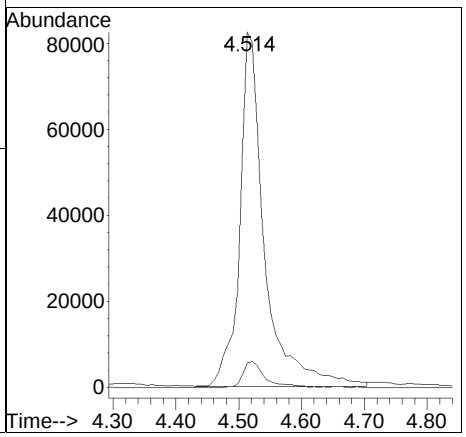


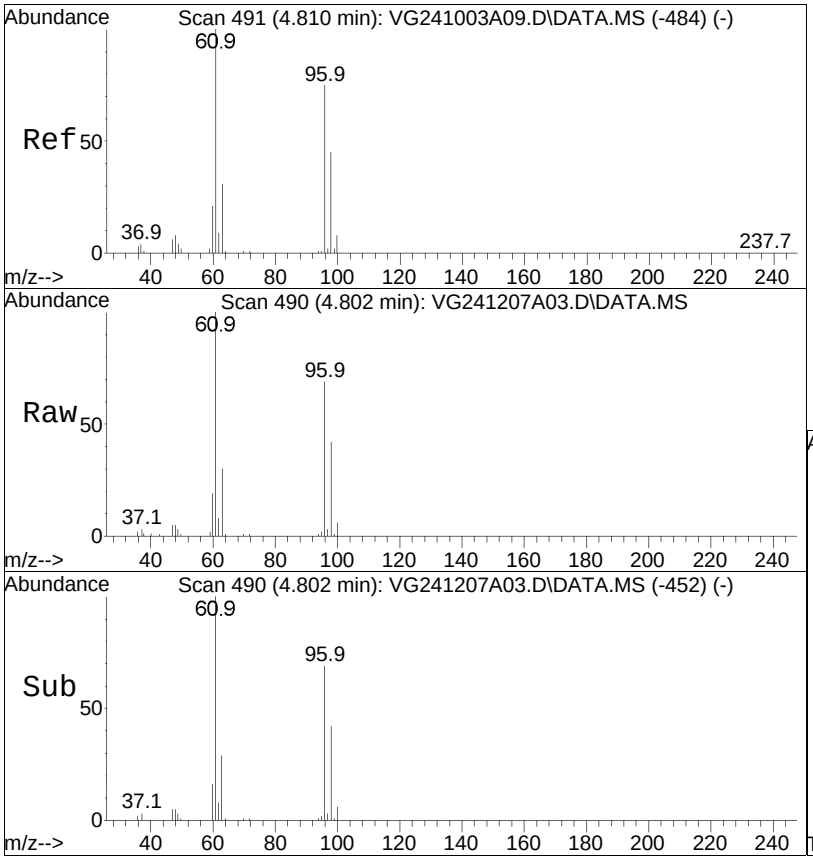


#27
Vinyl acetate
Concen: 9.12 ug/L
RT: 4.514 min Scan# 452
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 43 Resp: 225353

Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.3	9.5

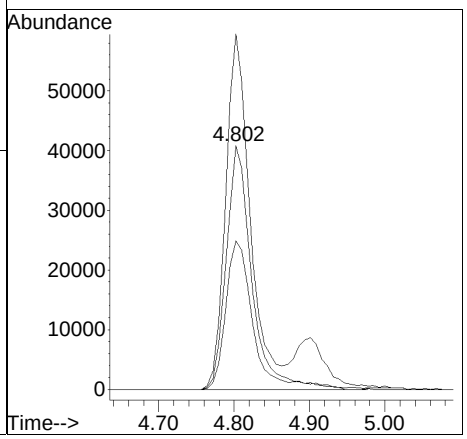


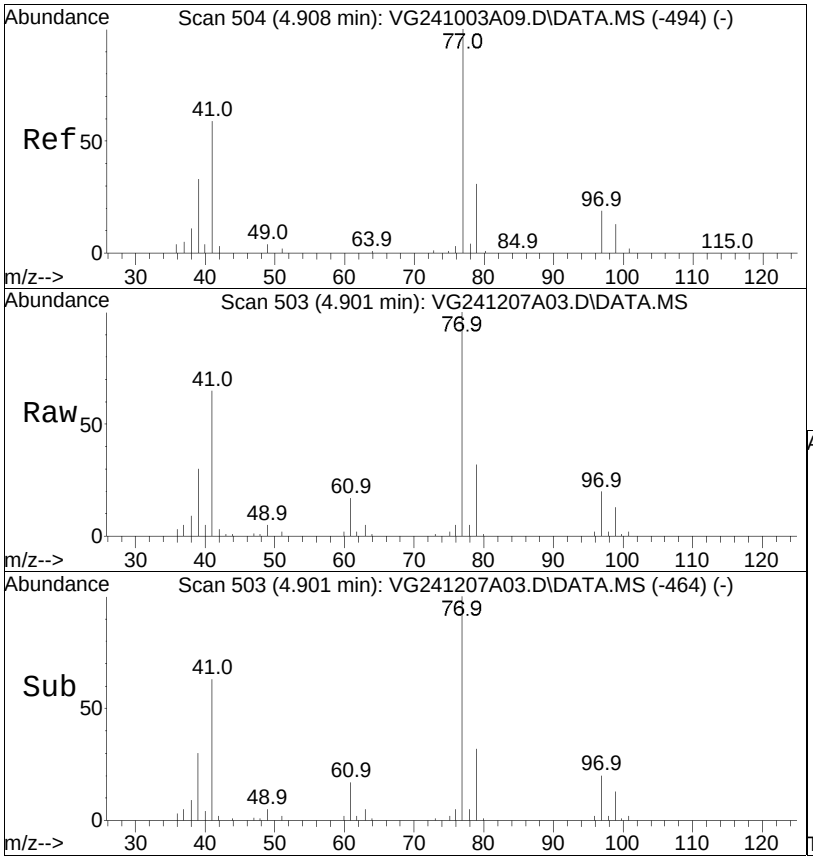


#28
cis-1,2-Dichloroethene
Concen: 9.22 ug/L
RT: 4.802 min Scan# 490
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 96 Resp: 97108

Ion	Ratio	Lower	Upper
96	100		
61	137.8	96.6	144.8
98	64.7	51.3	76.9

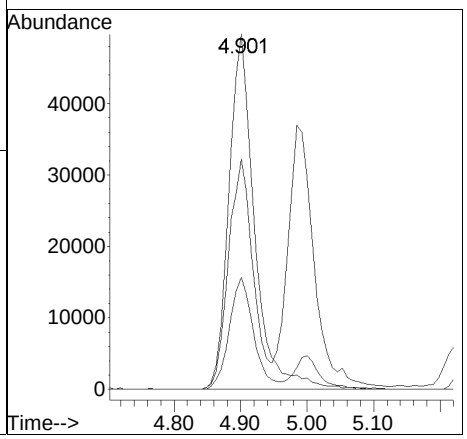


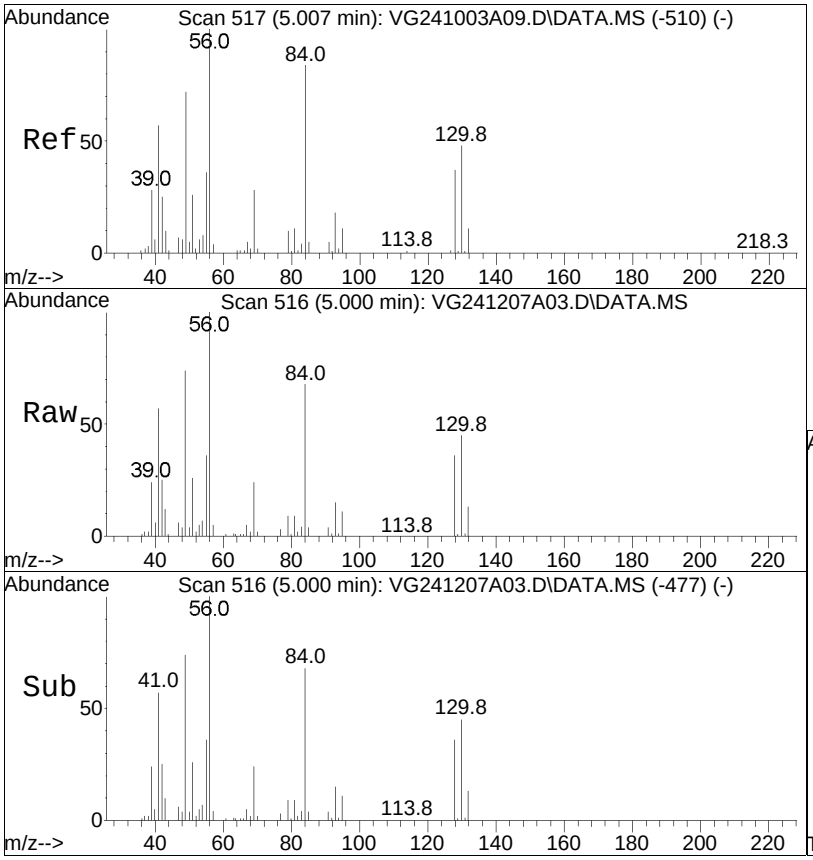


#29
2,2-Dichloropropane
Concen: 11.40 ug/L
RT: 4.901 min Scan# 503
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 77 Resp: 133570

Ion	Ratio	Lower	Upper
77	100		
41	62.2	38.1	79.1
79	30.0	20.6	42.8

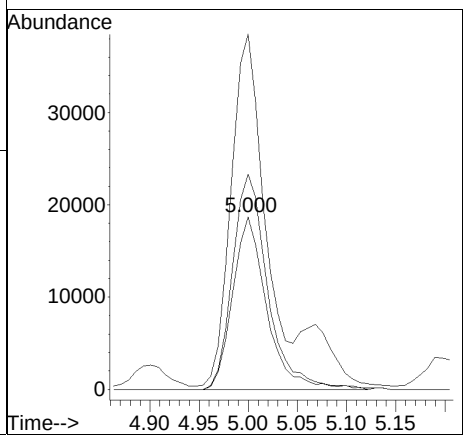


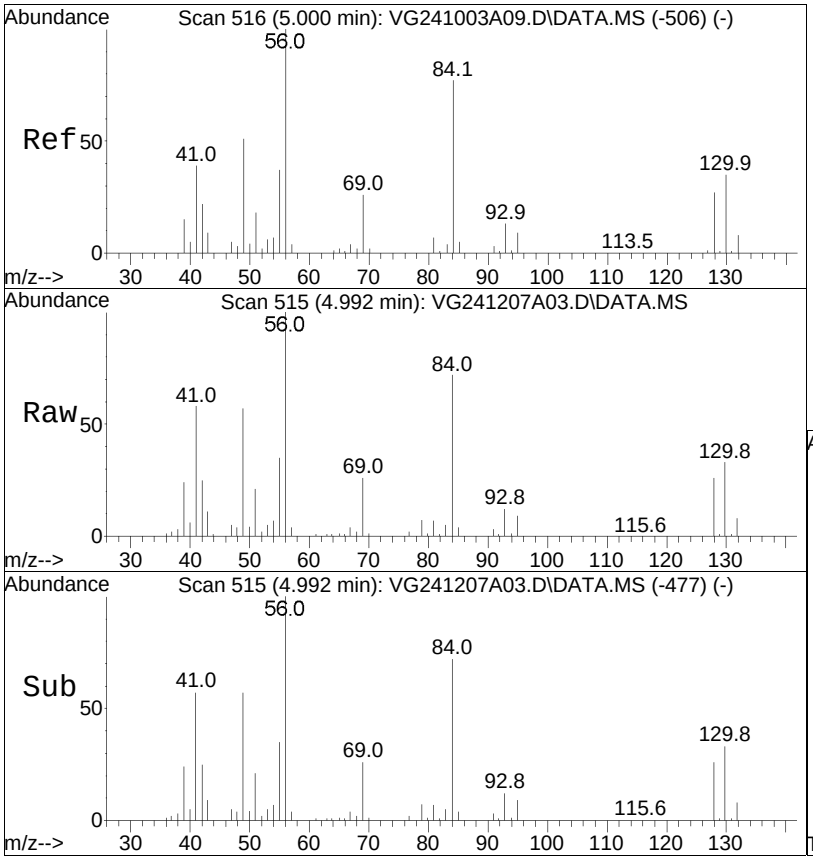


#30
Bromochloromethane
Concen: 9.41 ug/L
RT: 5.000 min Scan# 516
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:128 Resp: 45108

Ion	Ratio	Lower	Upper
128	100		
49	199.2	112.7	169.1#
130	129.1	103.3	154.9

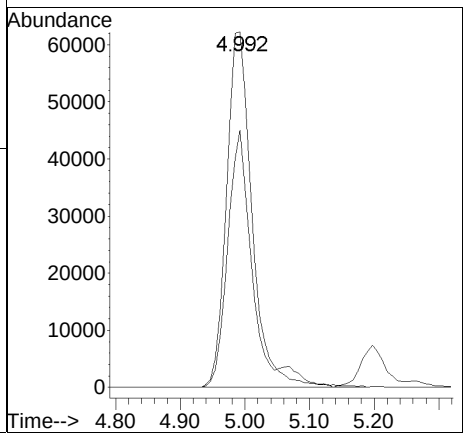


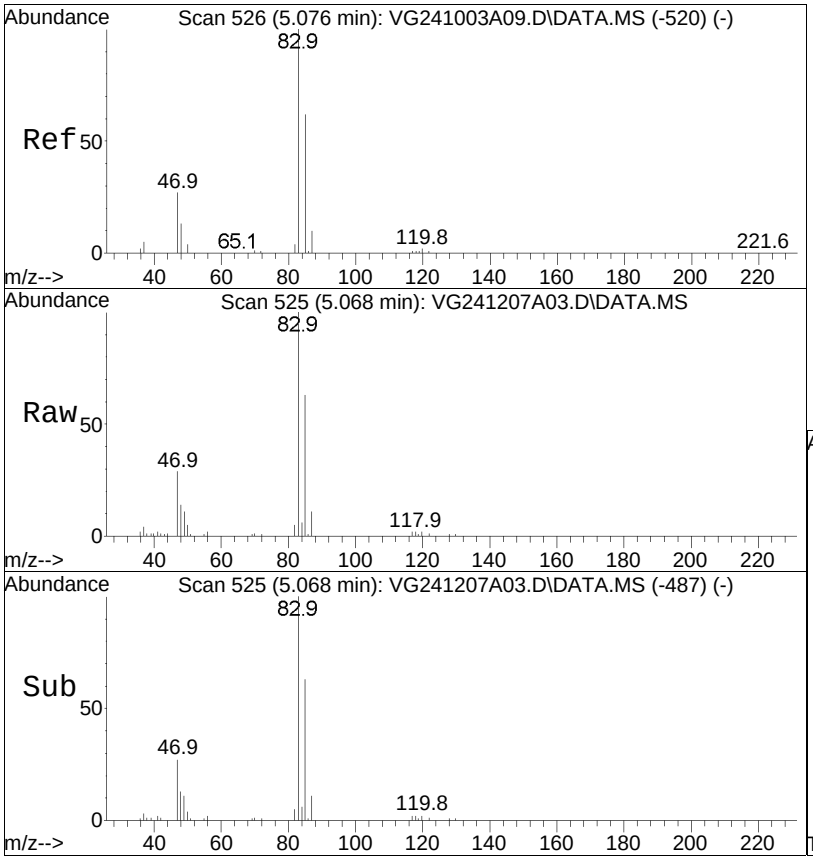


#31
Cyclohexane
Concen: 10.06 ug/L
RT: 4.992 min Scan# 515
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 56 Resp: 171797

Ion	Ratio	Lower	Upper
56	100		
84	65.3	63.8	132.4

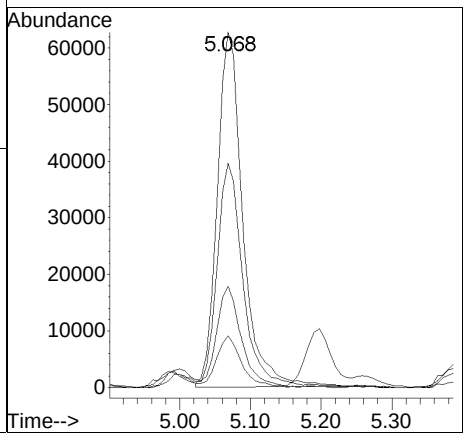


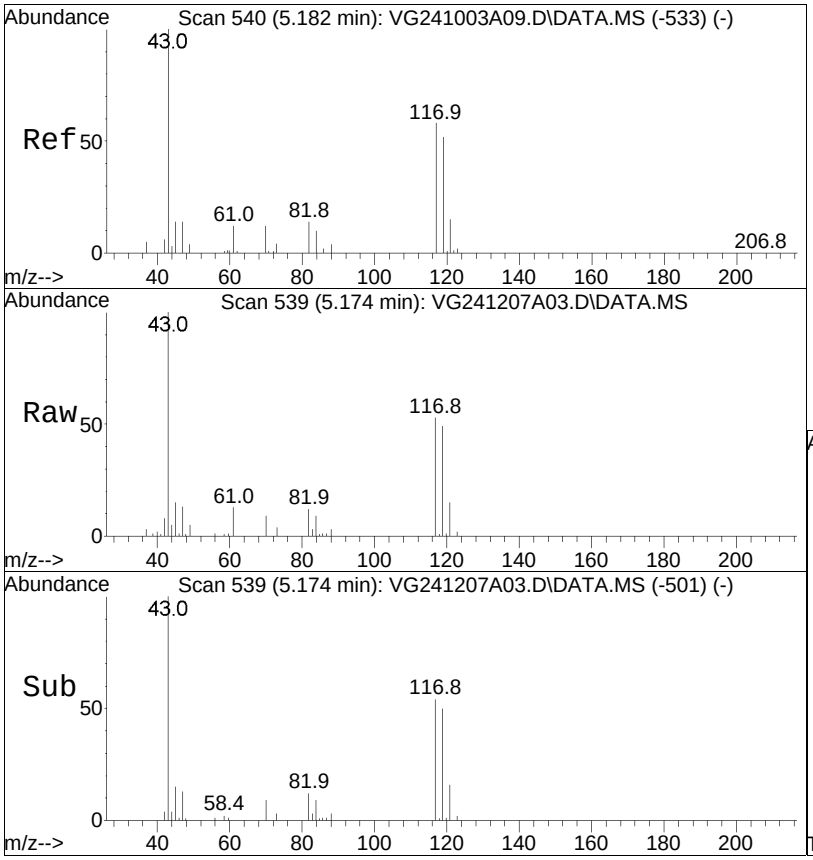


#32
Chloroform
Concen: 9.26 ug/L
RT: 5.068 min Scan# 525
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 83 Resp: 158031

Ion	Ratio	Lower	Upper
83	100		
85	63.4	41.4	86.0
47	25.8	15.1	31.3
48	14.4	7.7	16.1

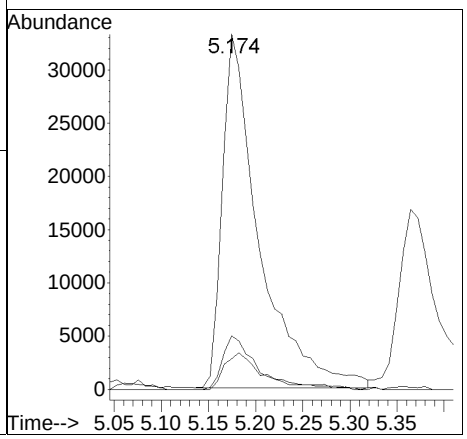


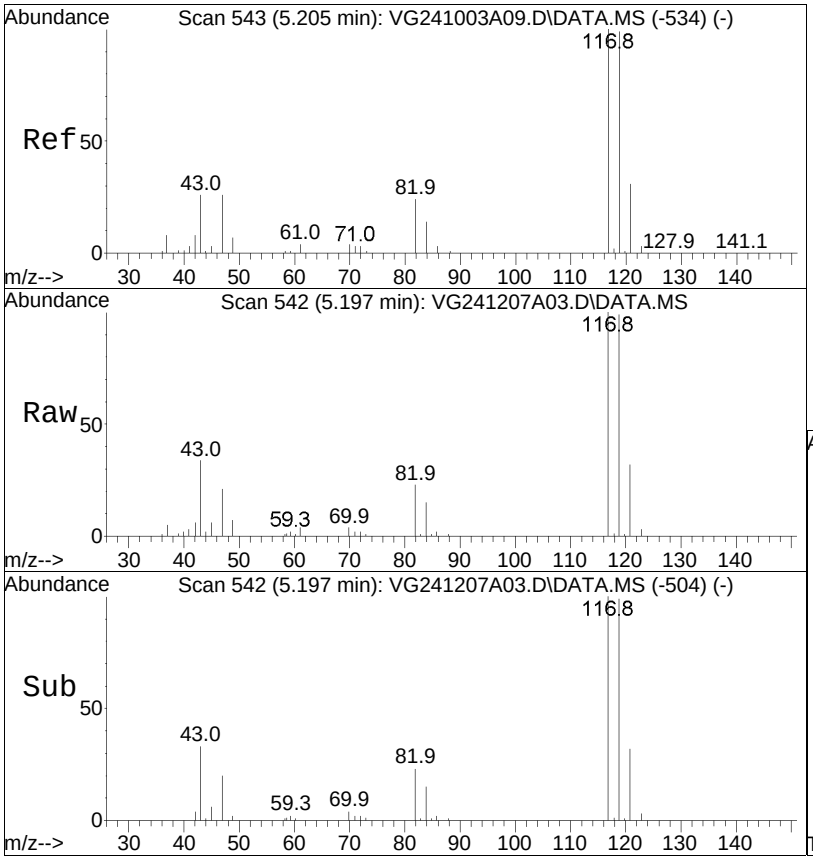


#33
Ethyl acetate
Concen: 9.61 ug/L
RT: 5.174 min Scan# 539
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 43 Resp: 90344

Ion	Ratio	Lower	Upper
43	100		
45	14.7	11.3	16.9
70	10.2	10.7	16.1#

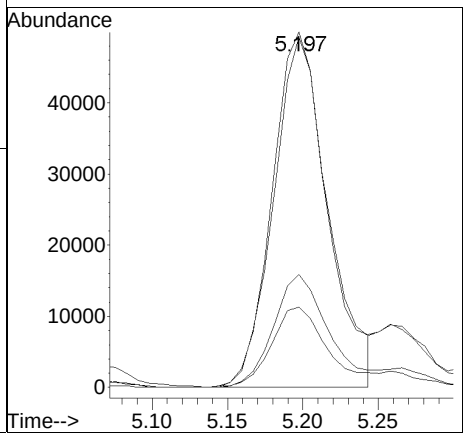


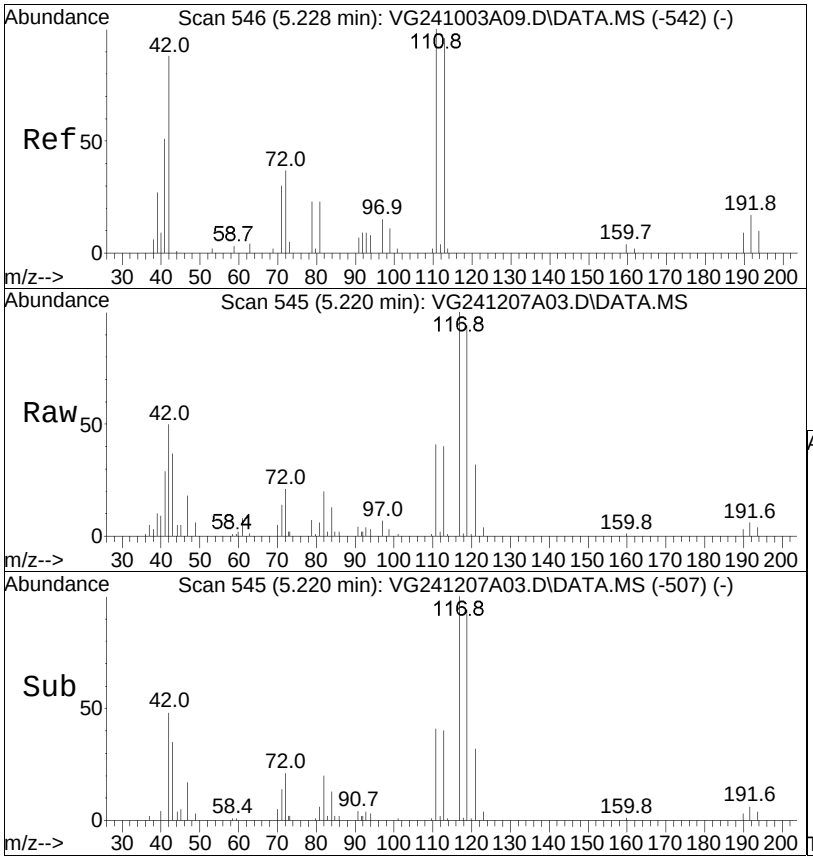


#34
Carbon tetrachloride
Concen: 9.86 ug/L
RT: 5.197 min Scan# 542
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:117 Resp: 128284

Ion	Ratio	Lower	Upper
117	100		
119	95.8	63.2	131.2
121	32.1	20.4	42.4
82	23.4	15.4	32.0

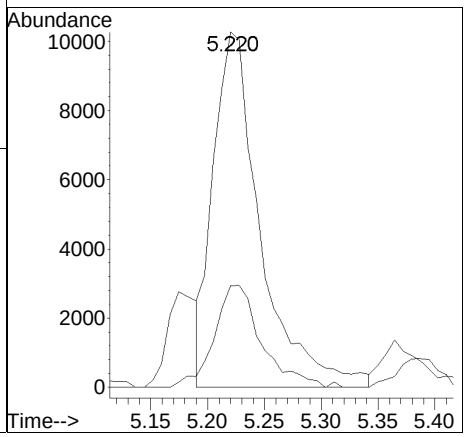


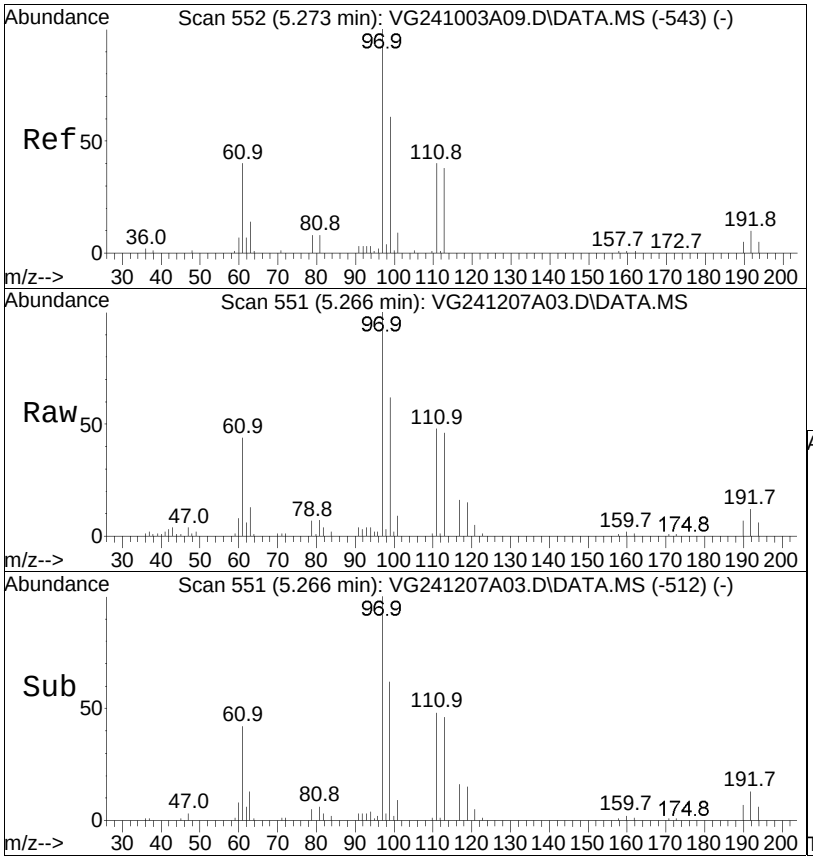


#35
Tetrahydrofuran
Concen: 9.78 ug/L M6
RT: 5.220 min Scan# 545
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 42 Resp: 29789

Ion	Ratio	Lower	Upper
42	100		
71	28.9	35.9	53.9#

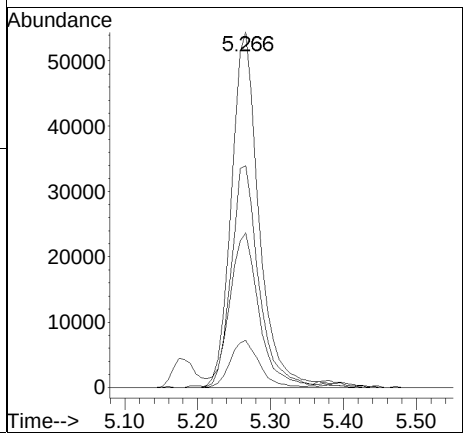


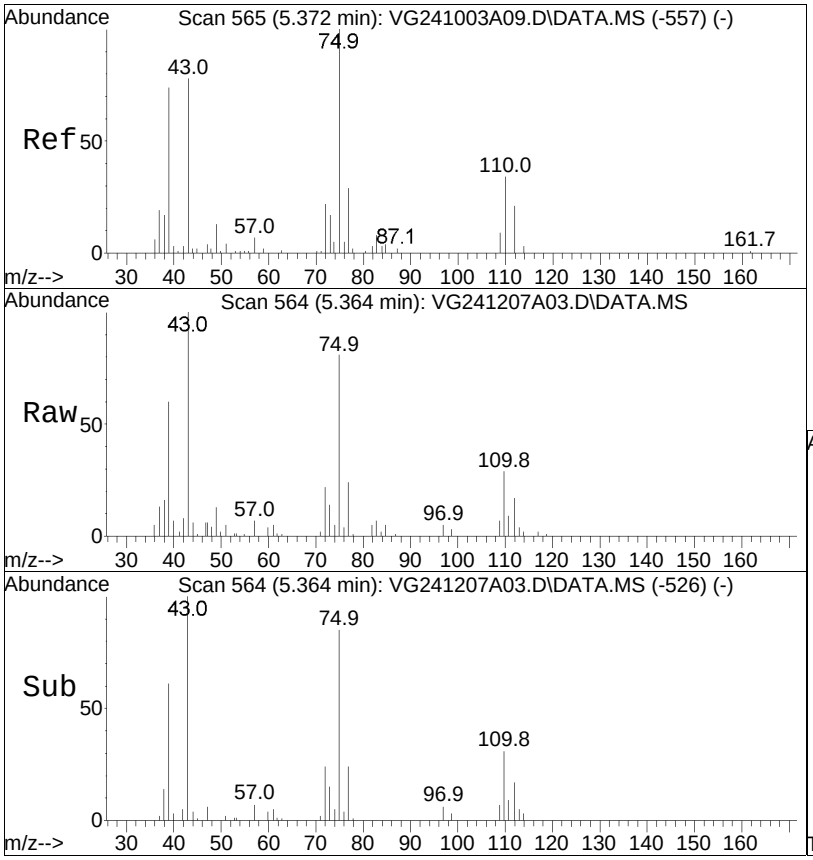


#37
1,1,1-Trichloroethane
Concen: 9.59 ug/L
RT: 5.266 min Scan# 551
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 97 Resp: 144376

Ion	Ratio	Lower	Upper
97	100		
99	62.2	41.3	85.7
61	46.1	26.0	54.0
63	13.8	8.6	18.0

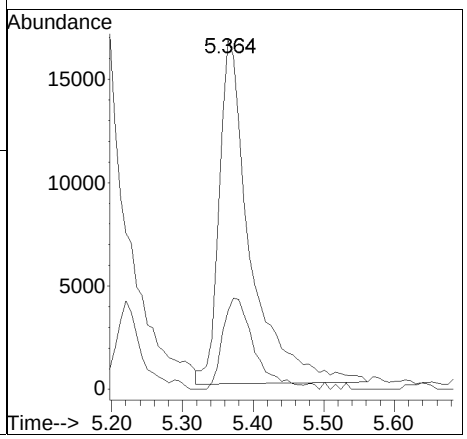


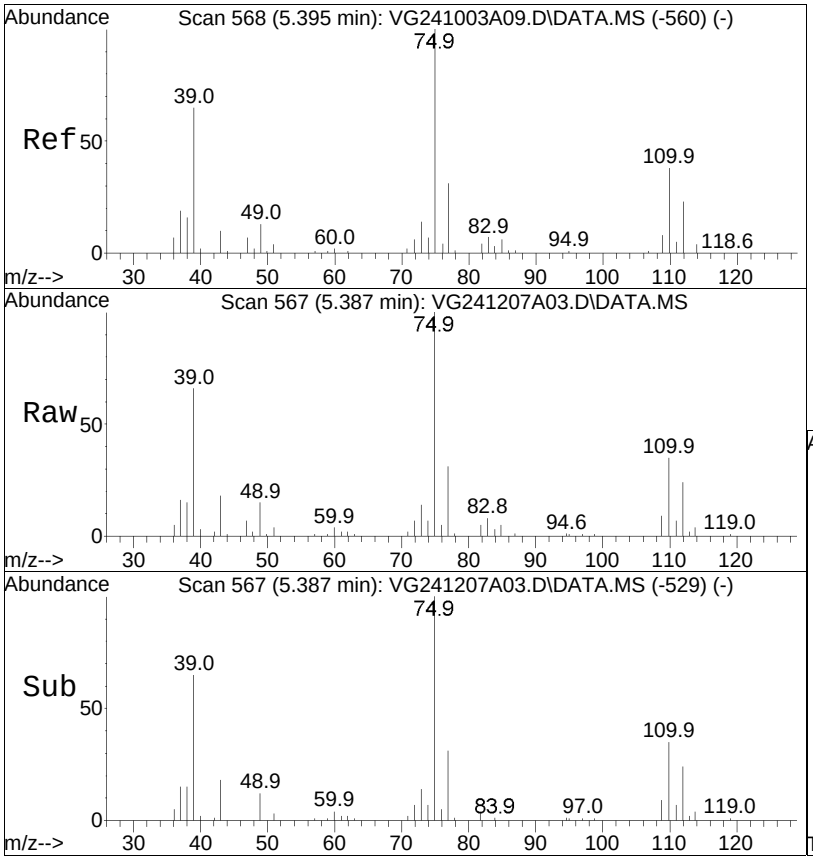


#39
2-Butanone
Concen: 12.82 ug/L
RT: 5.364 min Scan# 564
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 43 Resp: 51017

Ion	Ratio	Lower	Upper
43	100		
72	27.5	42.6	63.8#

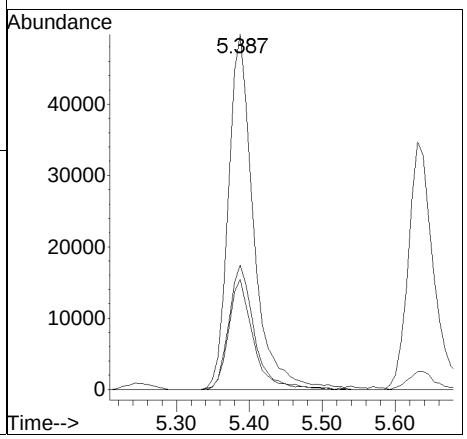


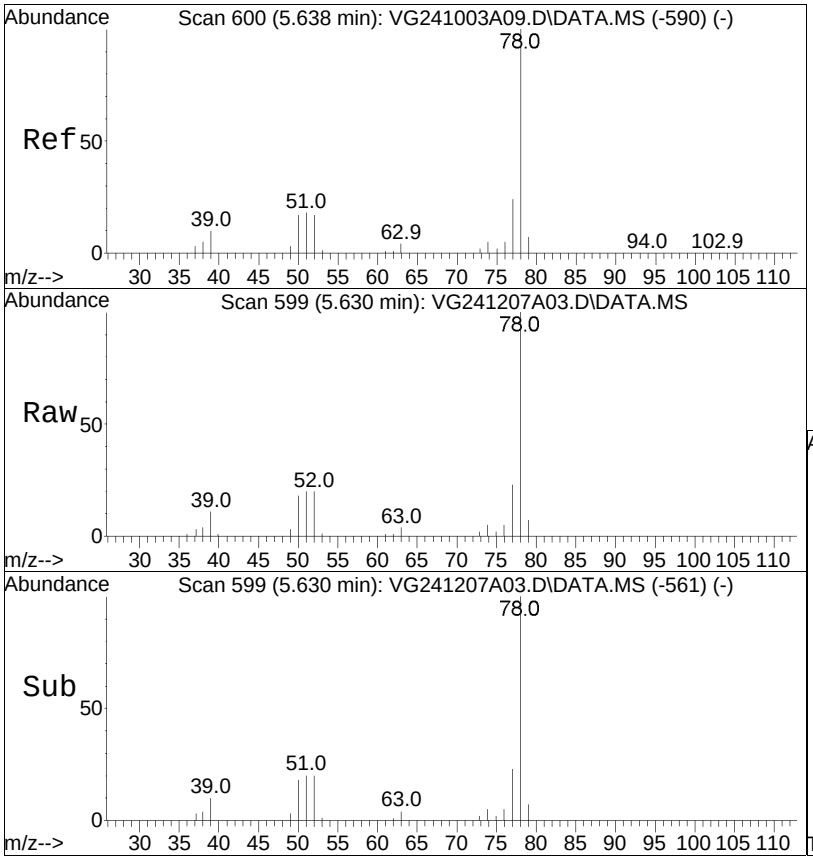


#40
1,1-Dichloropropene
Concen: 9.51 ug/L
RT: 5.387 min Scan# 567
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 75 Resp: 120123

Ion	Ratio	Lower	Upper
75	100		
110	35.2	24.1	50.1
77	30.0	19.8	41.0

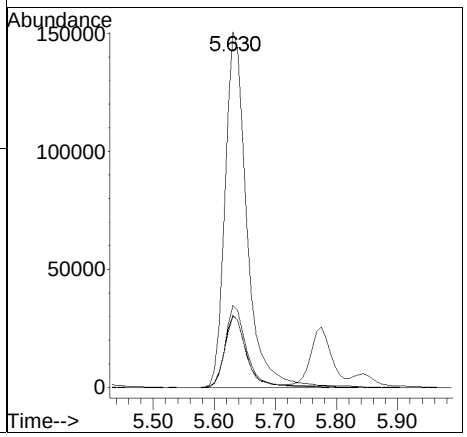


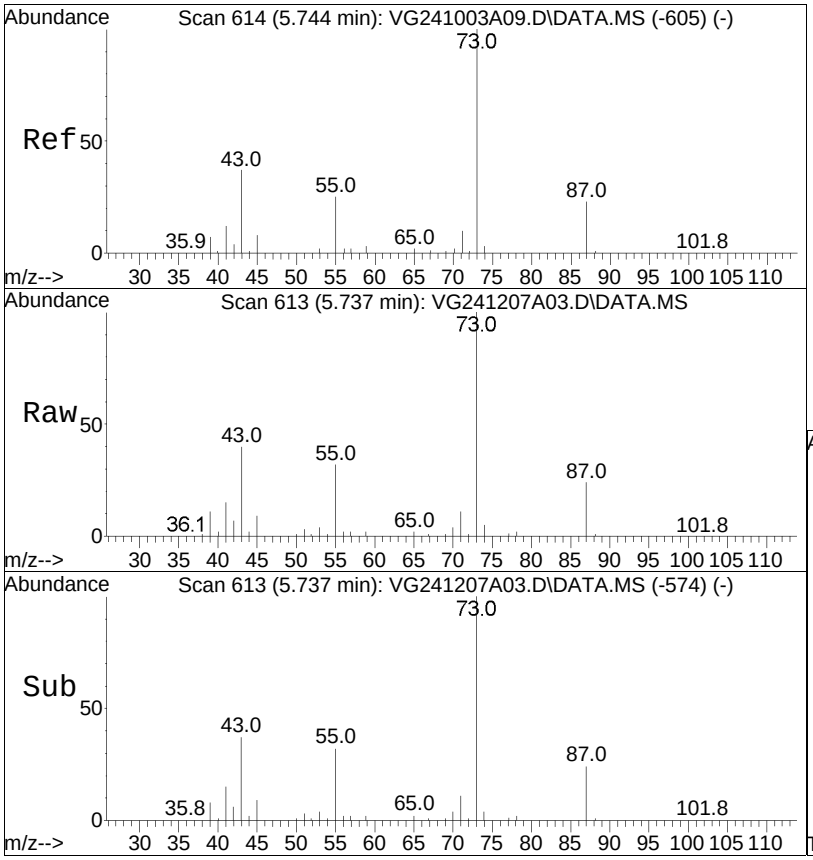


#41
Benzene
Concen: 9.51 ug/L
RT: 5.630 min Scan# 599
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 78 Resp: 373422

Ion	Ratio	Lower	Upper
78	100		
77	22.9	15.5	32.1
51	19.6	9.9	20.7
52	19.9	9.2	19.2#

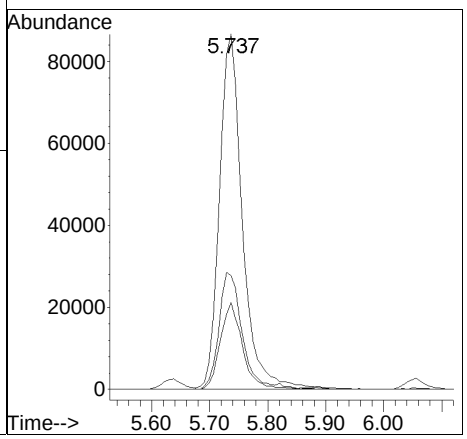


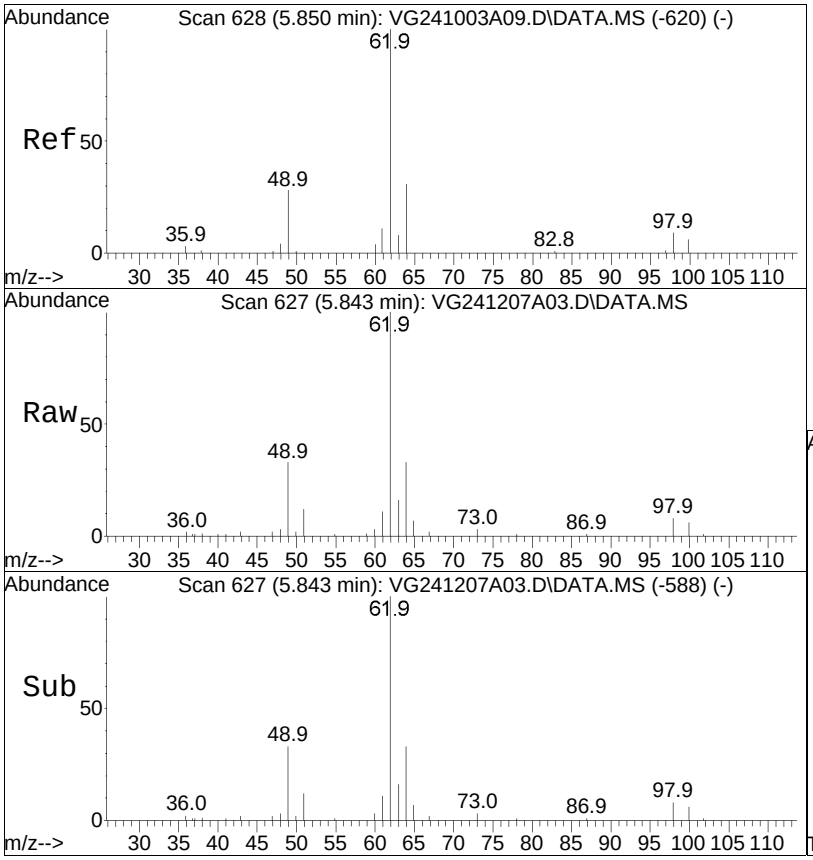


#42
tert-Amyl methyl ether
Concen: 8.41 ug/L
RT: 5.737 min Scan# 613
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 73 Resp: 239593

Ion	Ratio	Lower	Upper
73	100		
55	33.4	15.2	31.6#
87	23.7	15.7	32.5

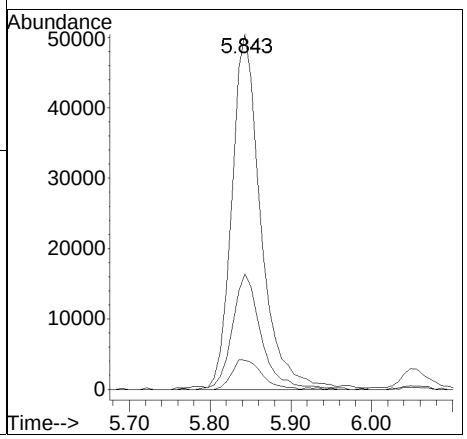


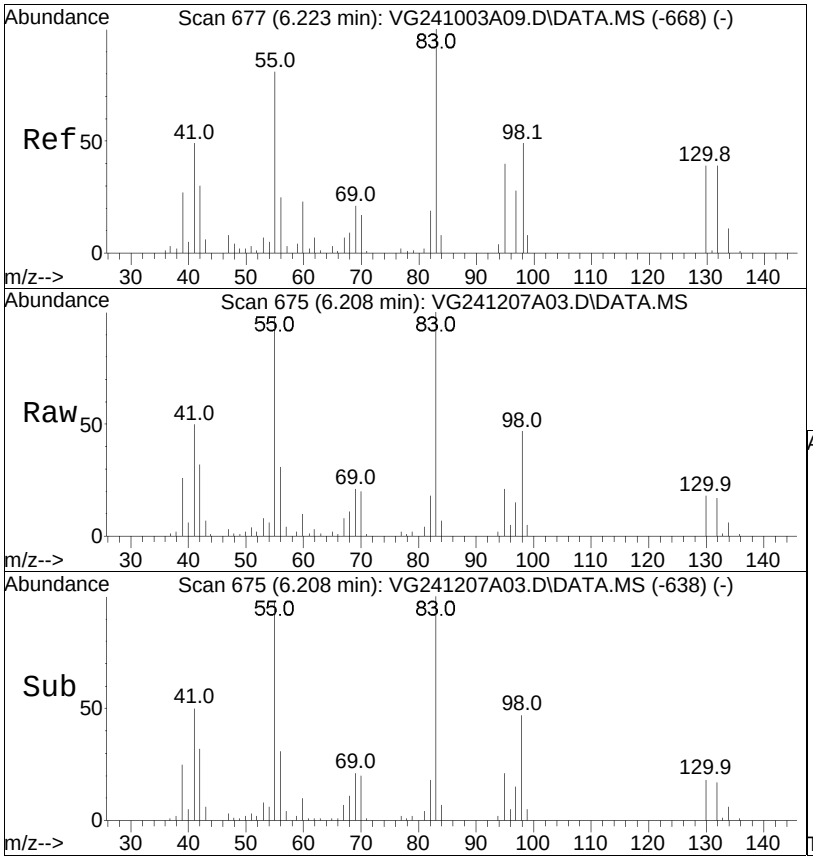


#44
1,2-Dichloroethane
Concen: 9.52 ug/L
RT: 5.843 min Scan# 627
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 62 Resp: 126618

Ion	Ratio	Lower	Upper
62	100		
64	32.9	11.9	51.9
98	8.6	0.0	29.3

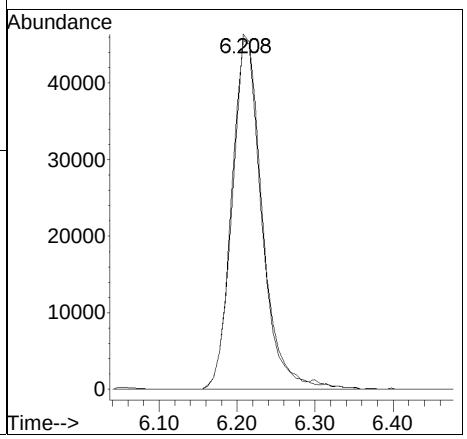


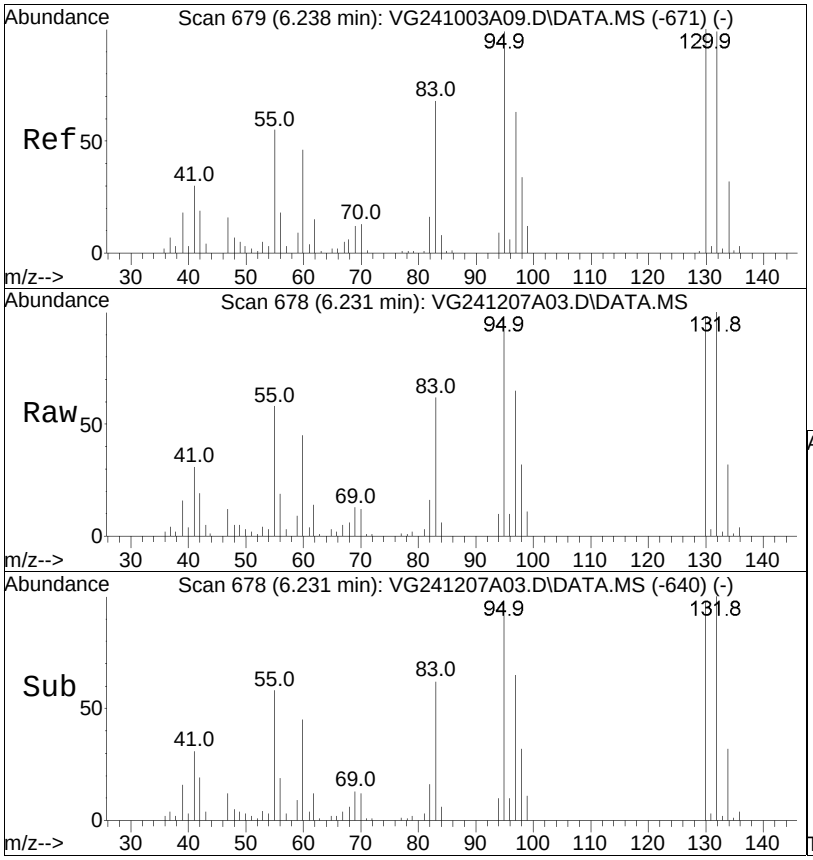


#47
Methyl cyclohexane
Concen: 8.70 ug/L
RT: 6.208 min Scan# 675
Delta R.T. -0.015 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 83 Resp: 124212

Ion	Ratio	Lower	Upper
83	100		
55	99.1	56.0	84.0#

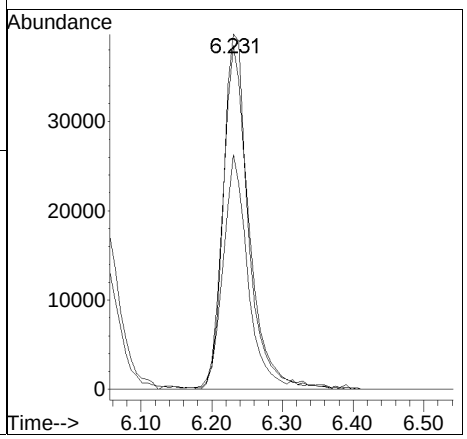


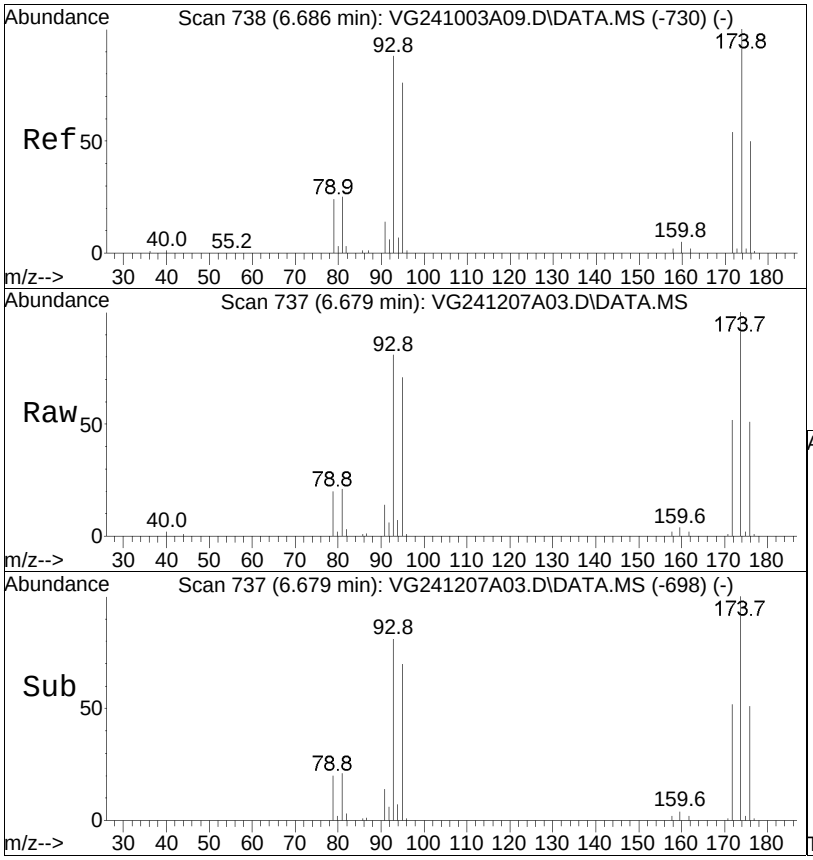


#48
Trichloroethene
Concen: 9.20 ug/L
RT: 6.231 min Scan# 678
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 95 Resp: 97050

Ion	Ratio	Lower	Upper
95	100		
97	64.0	54.0	81.0
130	104.4	85.0	127.4

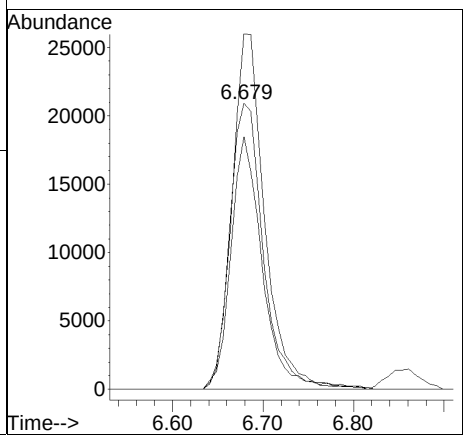


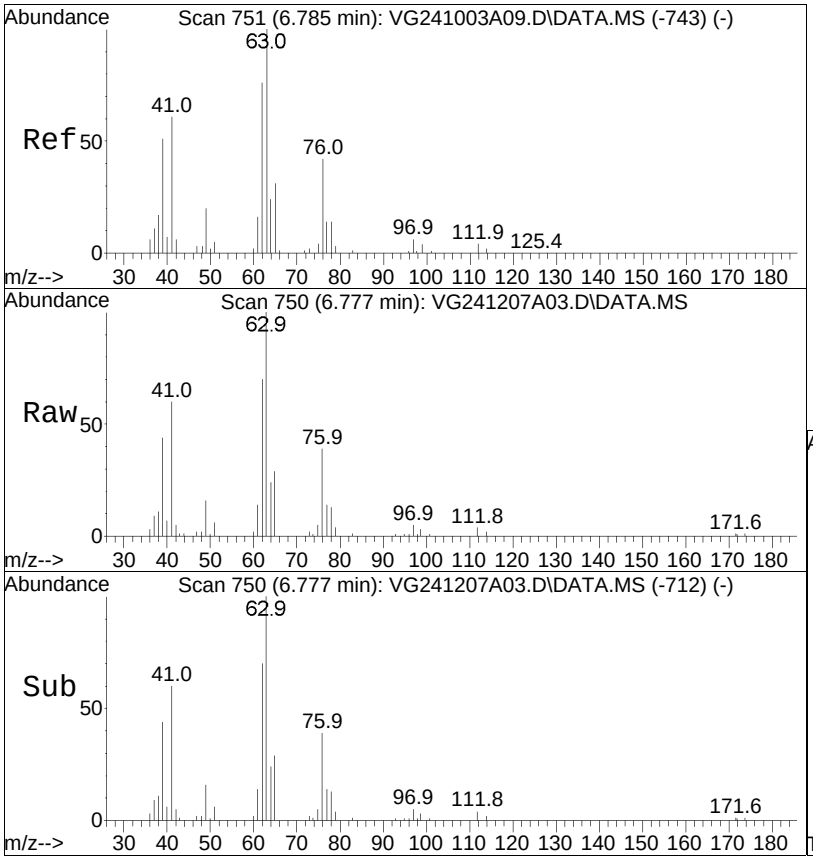


#50
Dibromomethane
Concen: 9.01 ug/L
RT: 6.679 min Scan# 737
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 93 Resp: 54085

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.6	100.0
174	121.0	90.5	135.7

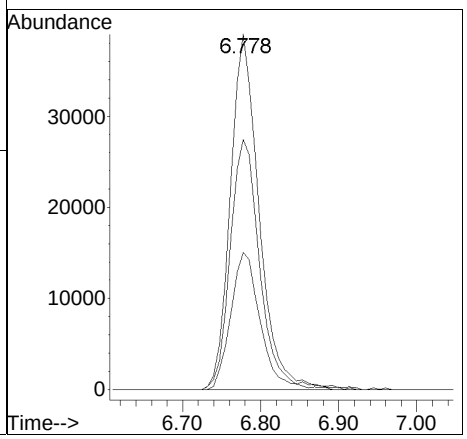


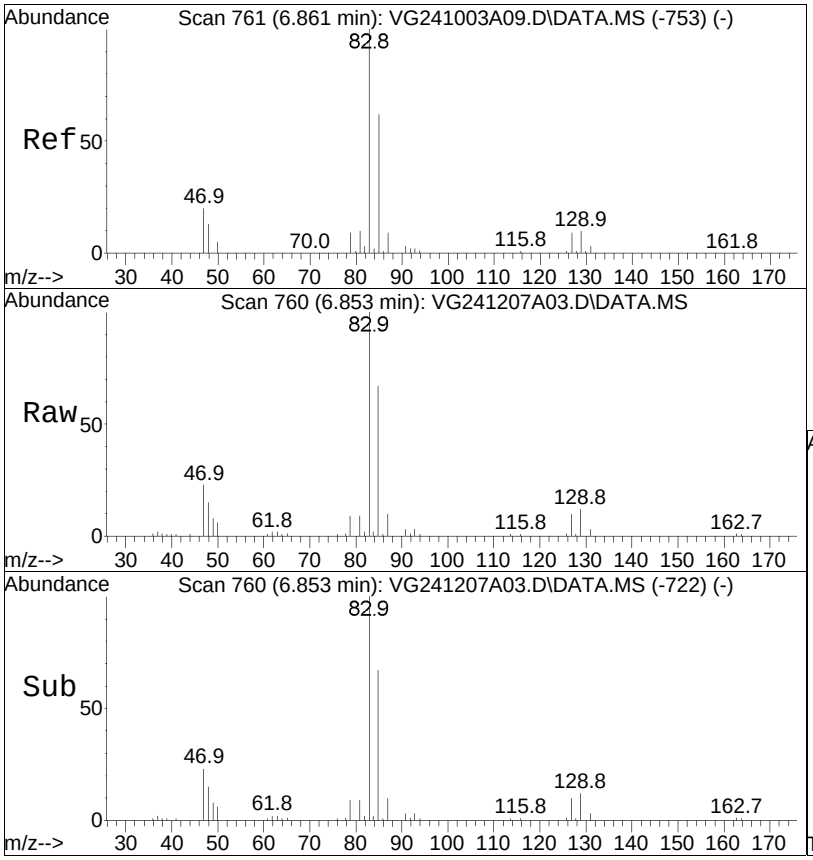


#51
1,2-Dichloropropane
Concen: 9.82 ug/L
RT: 6.777 min Scan# 750
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 63 Resp: 100095

Ion	Ratio	Lower	Upper
63	100		
62	72.4	56.5	84.7
76	39.6	34.6	52.0

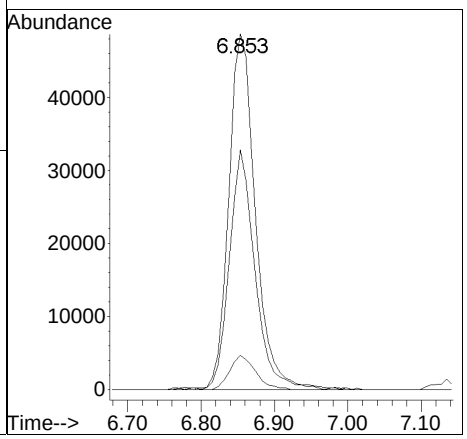


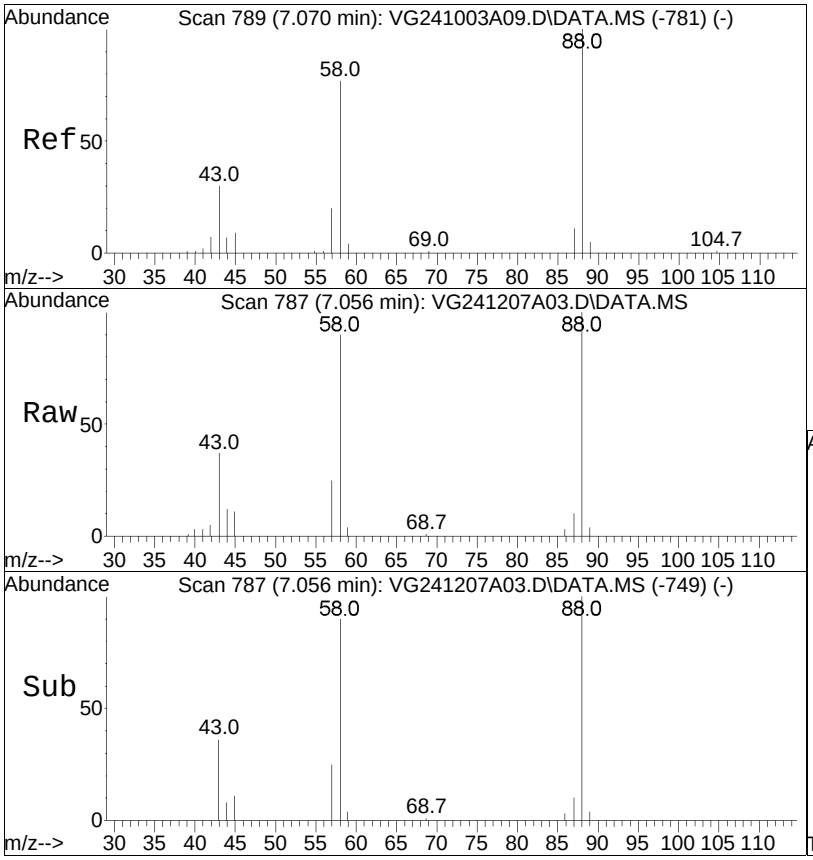


#54
Bromodichloromethane
Concen: 8.91 ug/L
RT: 6.853 min Scan# 760
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 83 Resp: 122460

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.8	76.2
127	9.2	7.4	11.2

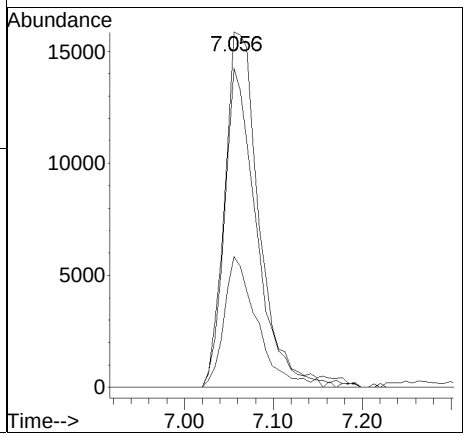


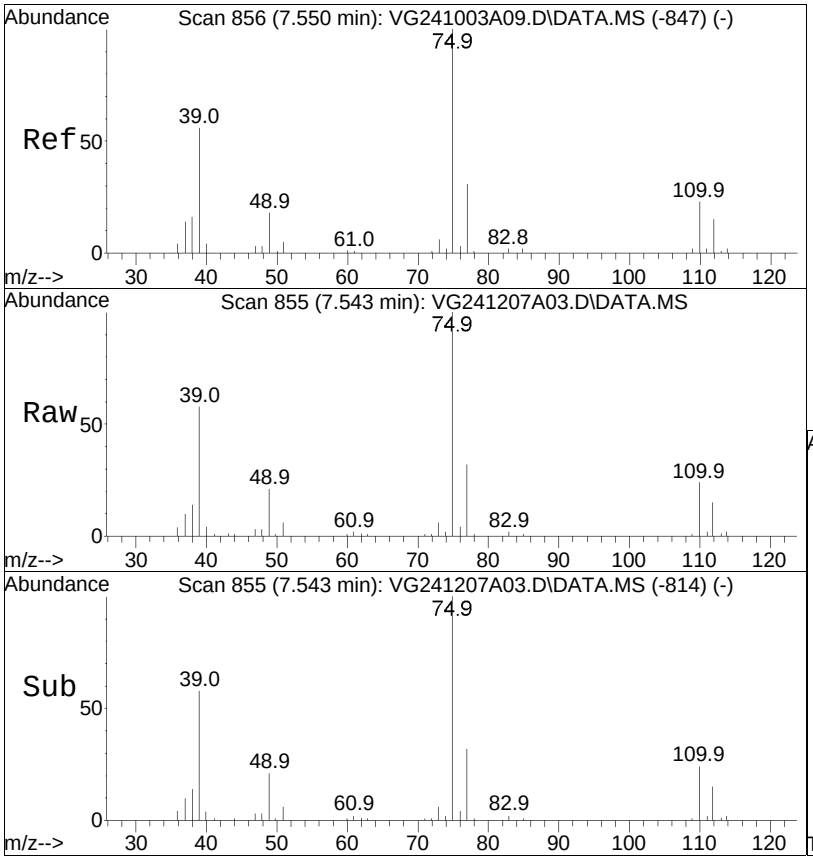


#57
1,4-Dioxane
Concen: 423.40 ug/L
RT: 7.056 min Scan# 787
Delta R.T. -0.014 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 88 Resp: 43364

Ion	Ratio	Lower	Upper
88	100		
58	83.5	48.7	73.1#
43	35.3	22.4	33.6#

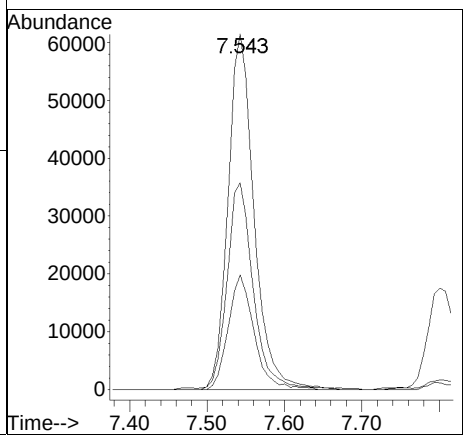


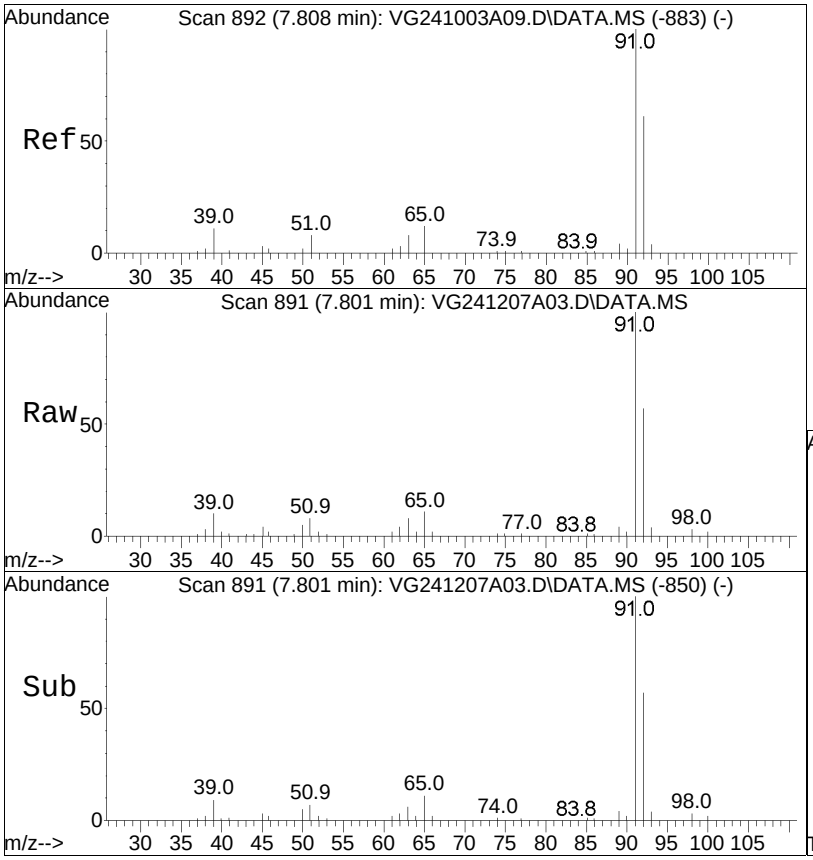


#58
cis-1,3-Dichloropropene
Concen: 9.25 ug/L
RT: 7.543 min Scan# 855
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 75 Resp: 144002

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	36.8
39	58.6	40.8	61.2

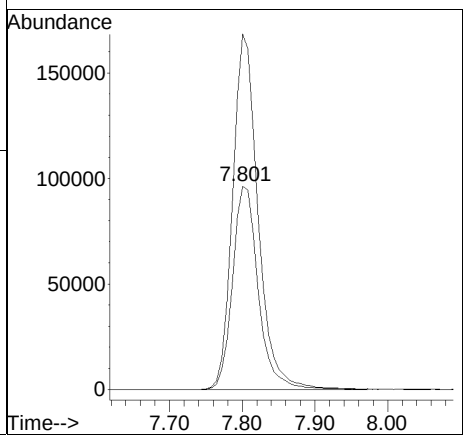


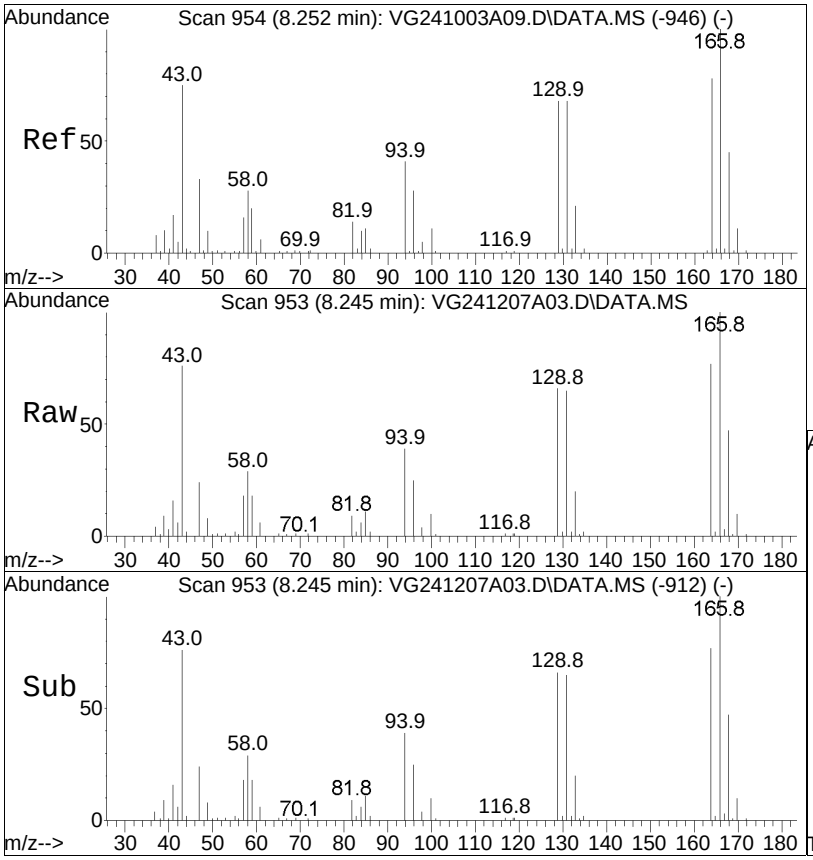


#61
Toluene
Concen: 9.22 ug/L
RT: 7.801 min Scan# 891
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 92 Resp: 236563

Ion	Ratio	Lower	Upper
92	100		
91	172.3	134.8	202.2

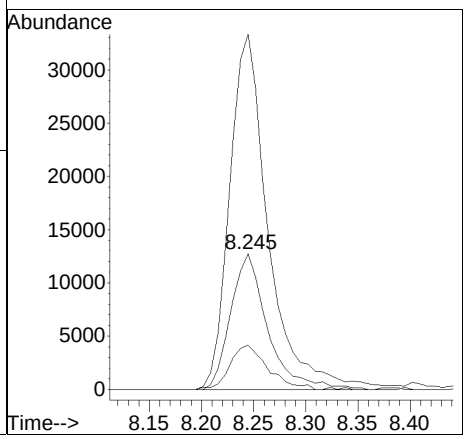


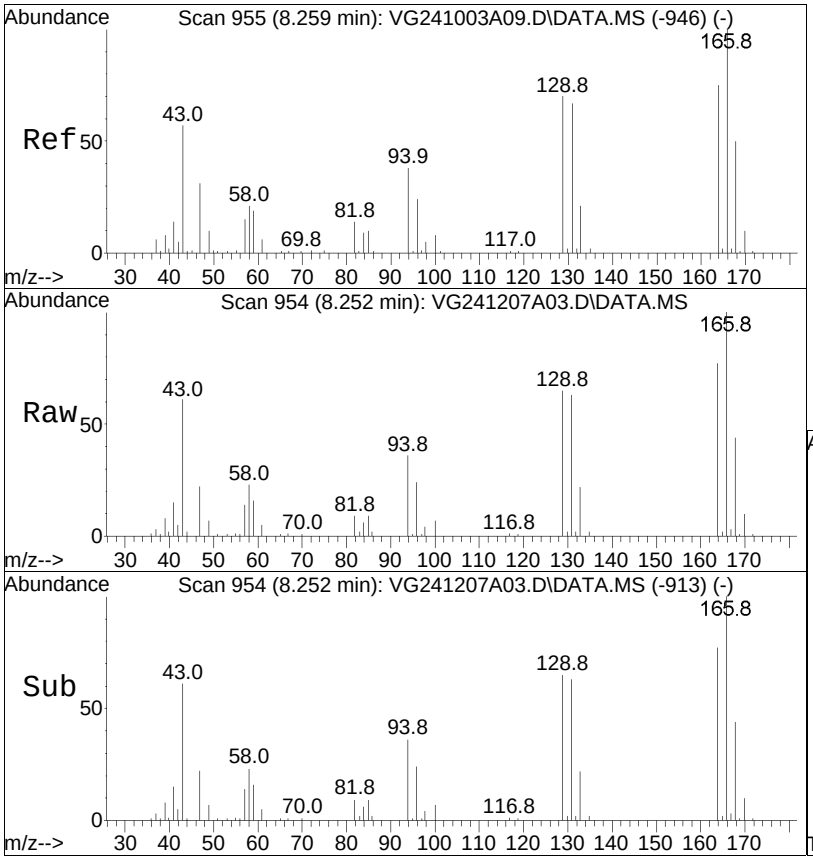


#62
4-Methyl-2-pentanone
Concen: 8.73 ug/L
RT: 8.245 min Scan# 953
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 58 Resp: 31382

Ion	Ratio	Lower	Upper
58	100		
100	33.3	33.6	50.4#
43	274.4	204.3	306.5

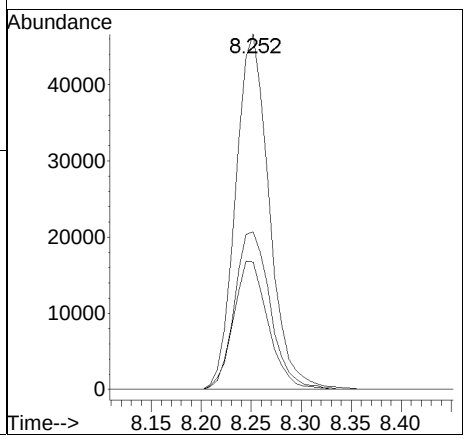


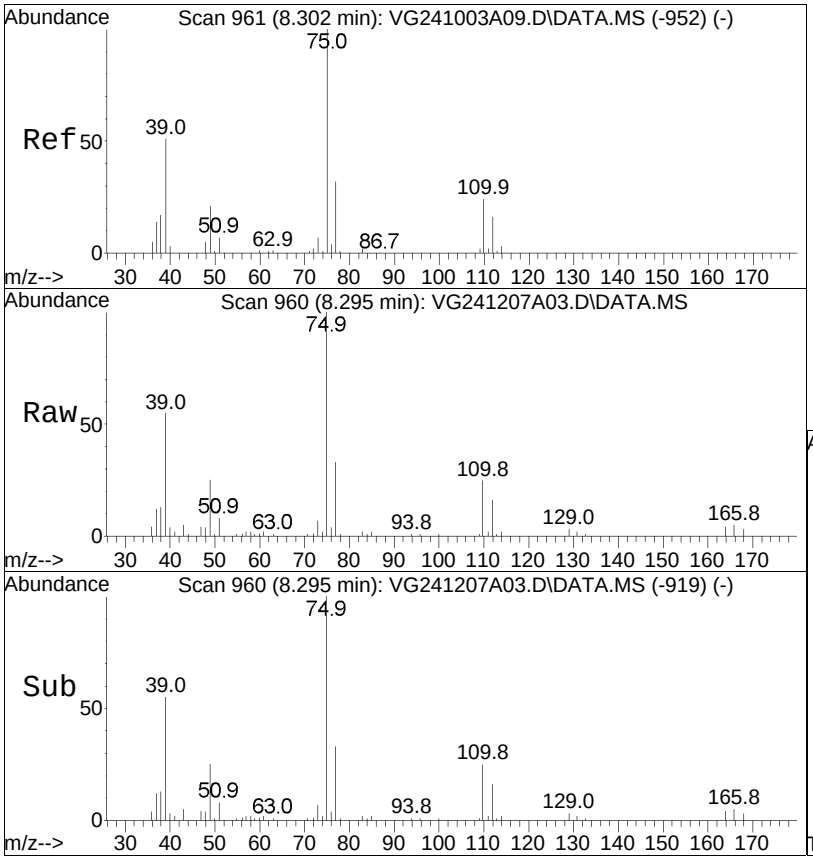


#63
Tetrachloroethene
Concen: 9.85 ug/L
RT: 8.252 min Scan# 954
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:166 Resp: 109397

Ion	Ratio	Lower	Upper
166	100		
168	47.0	27.3	67.3
94	37.2	20.5	60.5

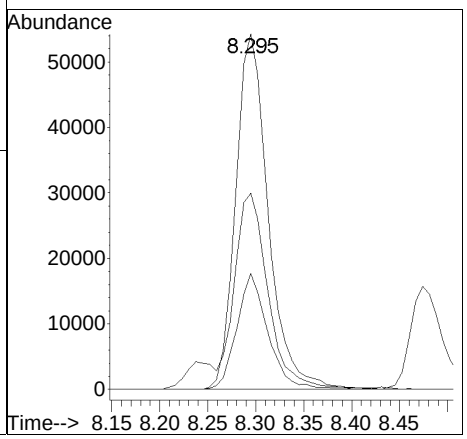


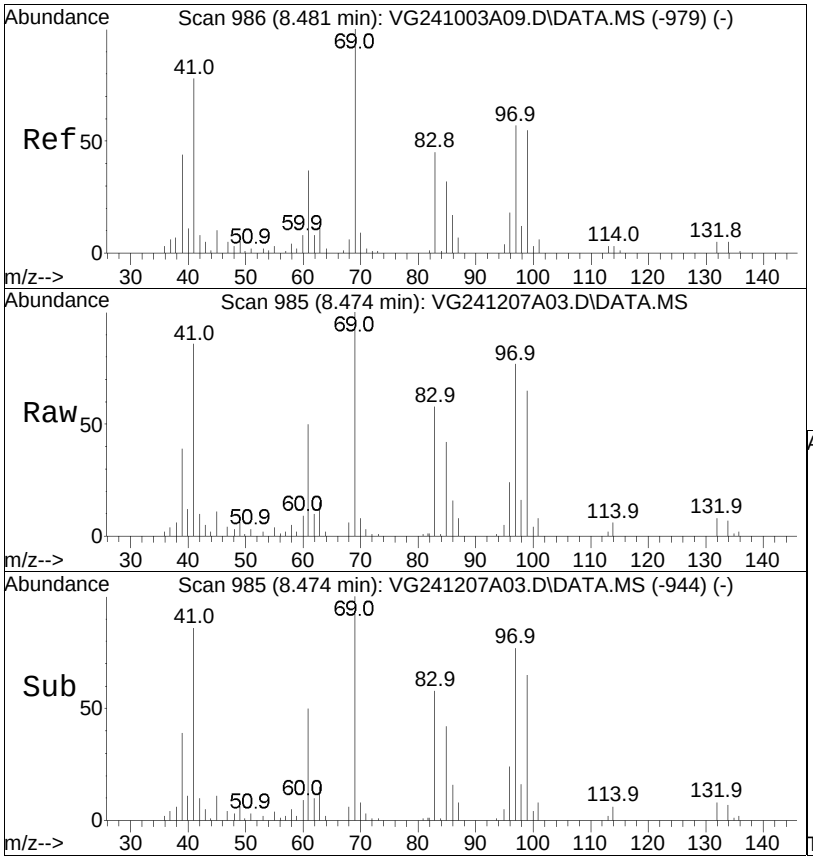


#65
trans-1,3-Dichloropropene
Concen: 8.57 ug/L
RT: 8.295 min Scan# 960
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 75 Resp: 128302

Ion	Ratio	Lower	Upper
75	100		
77	31.2	11.3	51.3
39	56.8	36.0	76.0

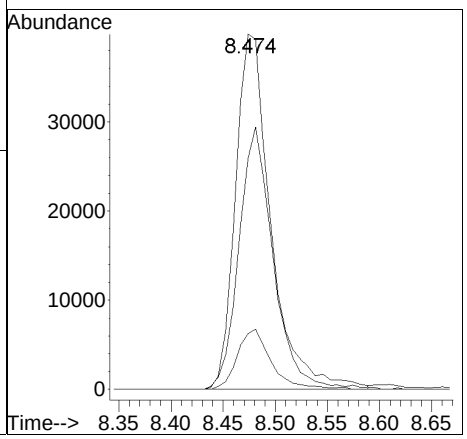


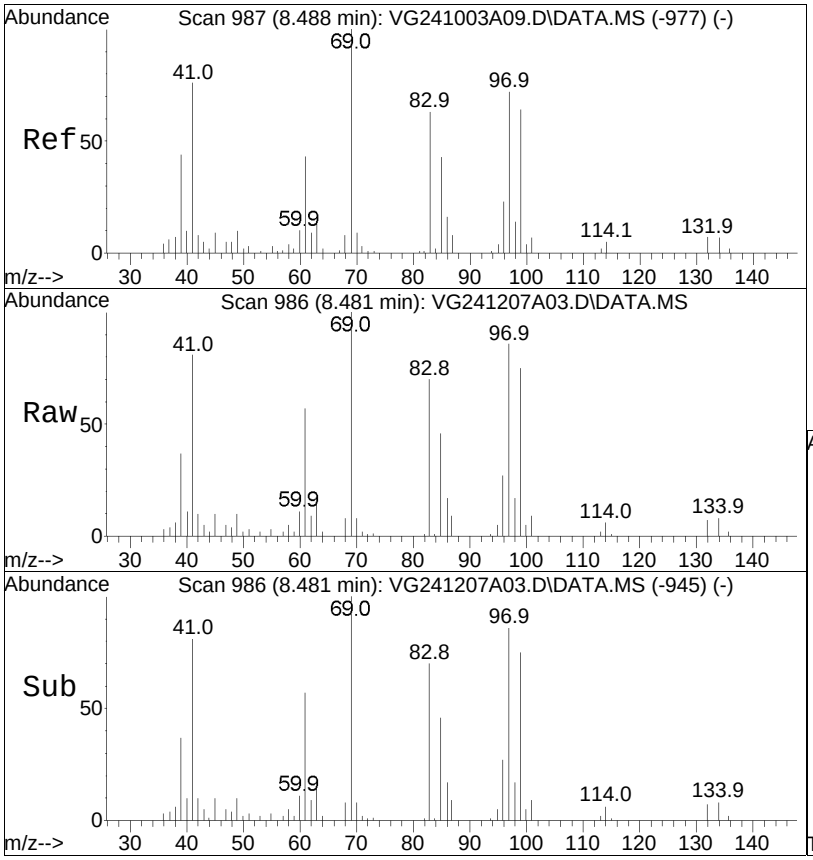


#67
Ethyl methacrylate
Concen: 7.12 ug/L
RT: 8.474 min Scan# 985
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 69 Resp: 94561

Ion	Ratio	Lower	Upper
69	100		
99	71.5	46.5	86.5
86	16.3	0.0	36.9

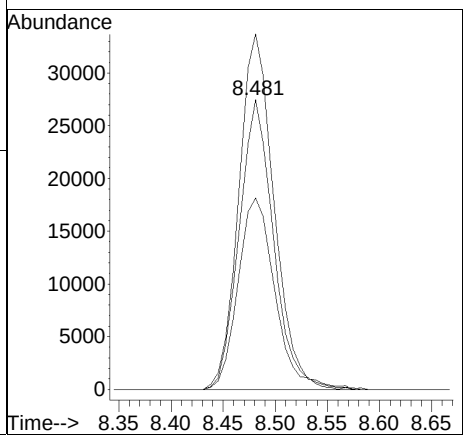


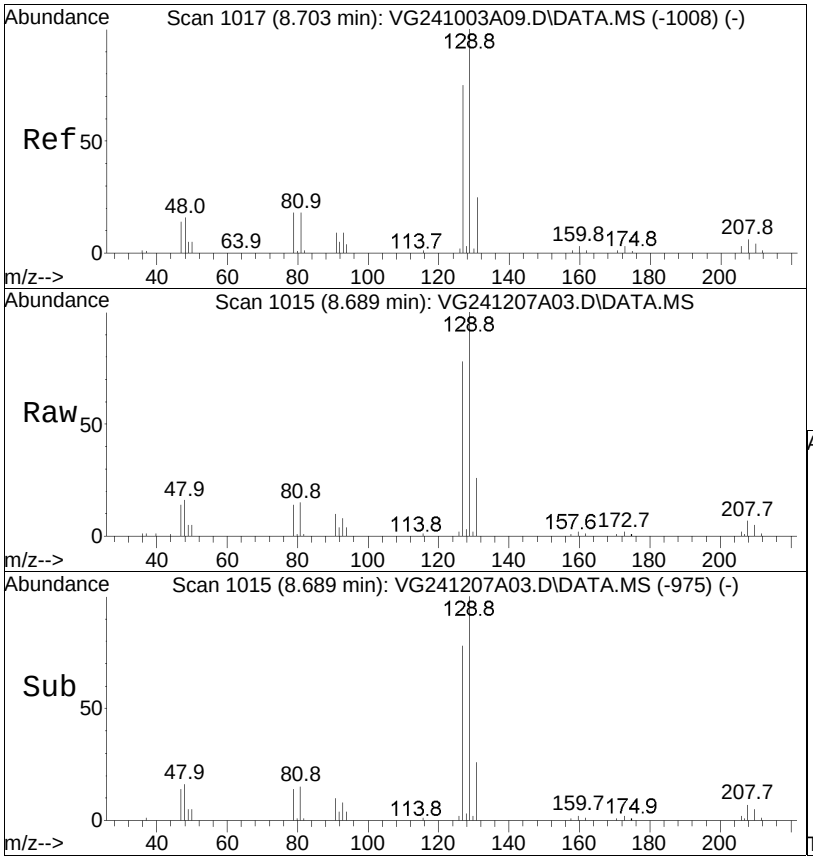


#68
1,1,2-Trichloroethane
Concen: 8.06 ug/L
RT: 8.481 min Scan# 986
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 83 Resp: 62963

Ion	Ratio	Lower	Upper
83	100		
97	126.6	101.0	141.0
85	70.3	47.9	87.9

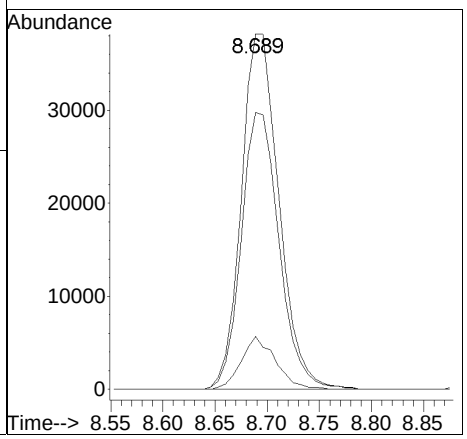


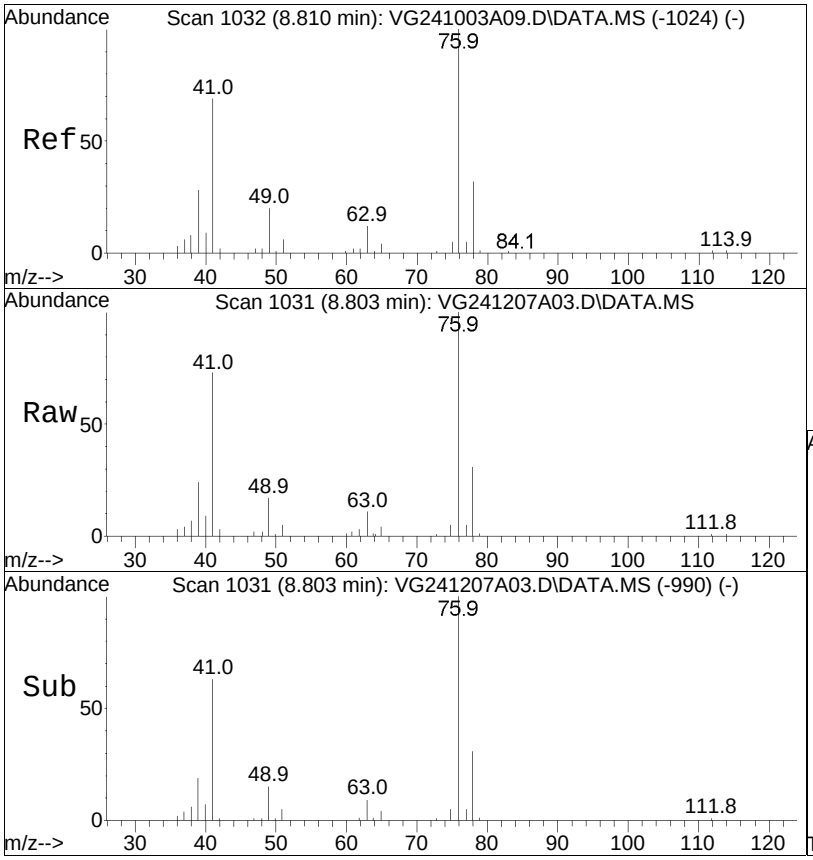


#69
Chlorodibromomethane
Concen: 8.89 ug/L
RT: 8.689 min Scan# 1015
Delta R.T. -0.014 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:129 Resp: 95991

Ion	Ratio	Lower	Upper
129	100		
81	13.6	0.0	35.0
127	78.2	57.1	97.1

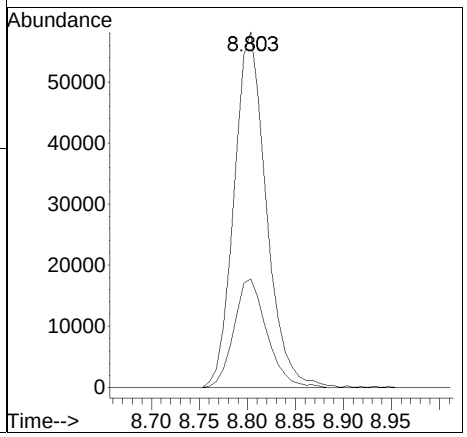


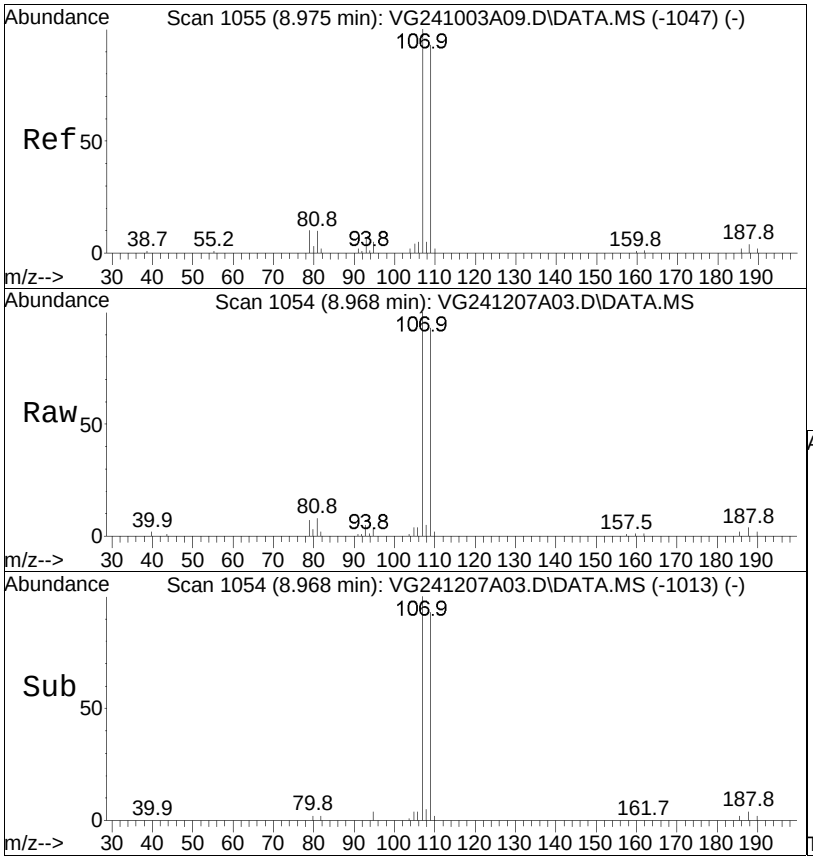


#70
1,3-Dichloropropane
Concen: 8.76 ug/L
RT: 8.803 min Scan# 1031
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 76 Resp: 135758

Ion	Ratio	Lower	Upper
76	100		
78	31.1	25.4	38.2

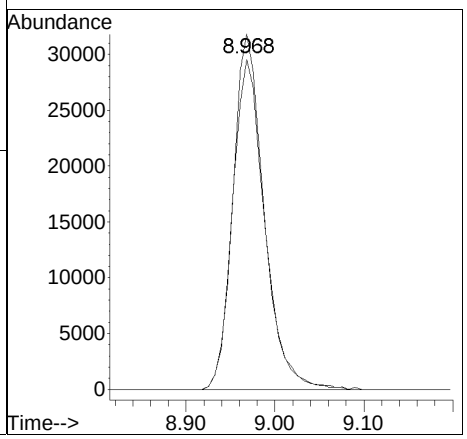


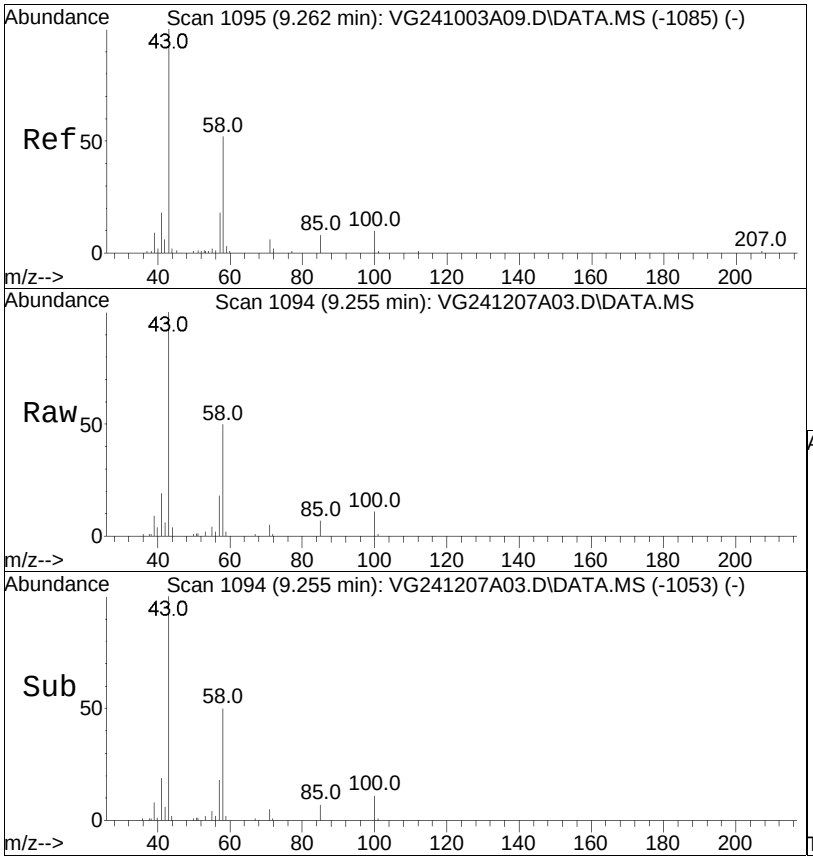


#71
1,2-Dibromoethane
Concen: 8.41 ug/L
RT: 8.968 min Scan# 1054
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:107 Resp: 77677

Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.0	114.0

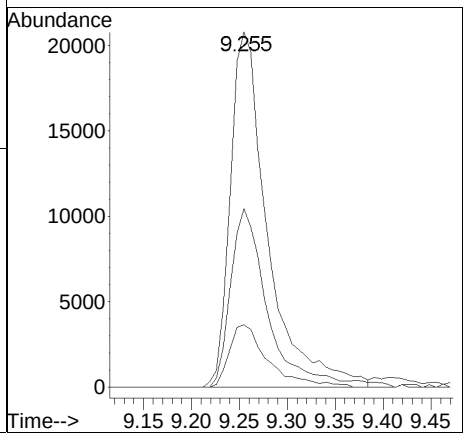


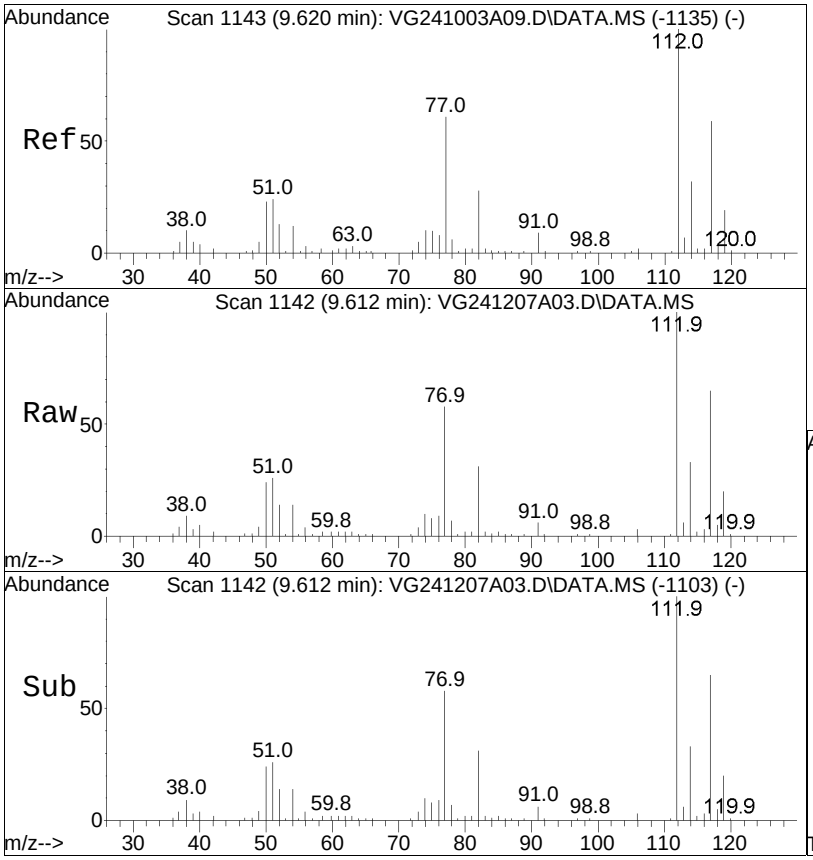


#72
2-Hexanone
Concen: 8.79 ug/L
RT: 9.255 min Scan# 1094
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 43 Resp: 56554

Ion	Ratio	Lower	Upper
43	100		
58	49.2	43.8	65.6
57	18.5	15.2	22.8

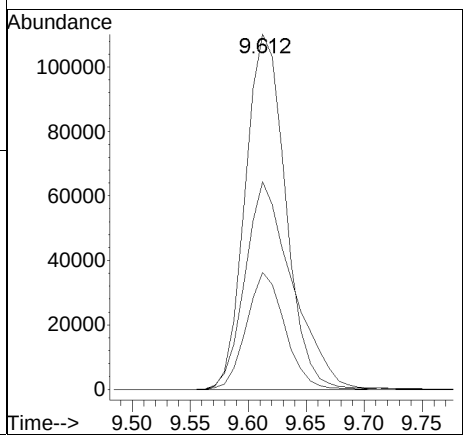


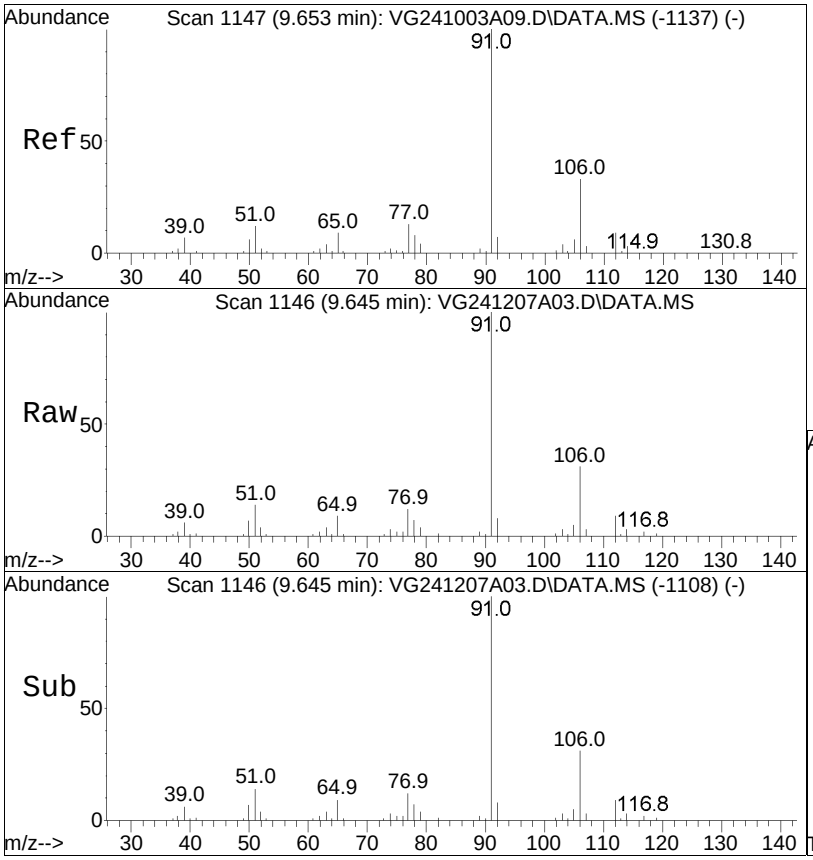


#73
Chlorobenzene
Concen: 9.62 ug/L
RT: 9.612 min Scan# 1142
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:112 Resp: 265202

Ion	Ratio	Lower	Upper
112	100		
77	69.3	55.9	83.9
114	31.5	25.4	38.0

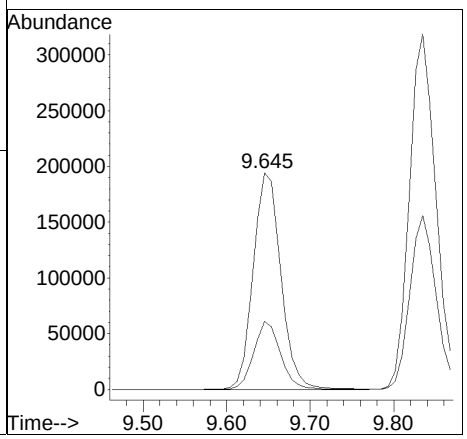


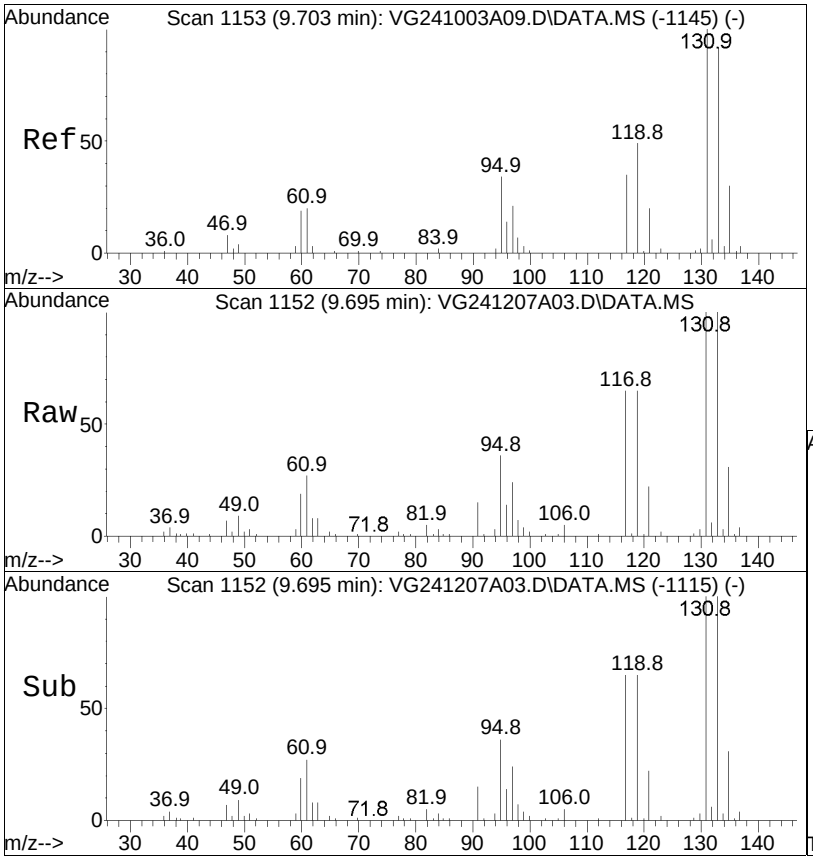


#74
Ethylbenzene
Concen: 9.08 ug/L
RT: 9.645 min Scan# 1146
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 91 Resp: 447988

Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.3	37.9

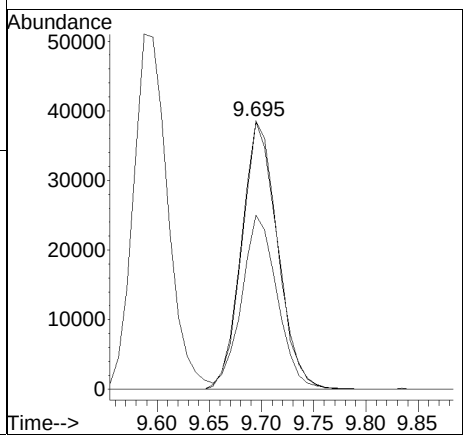


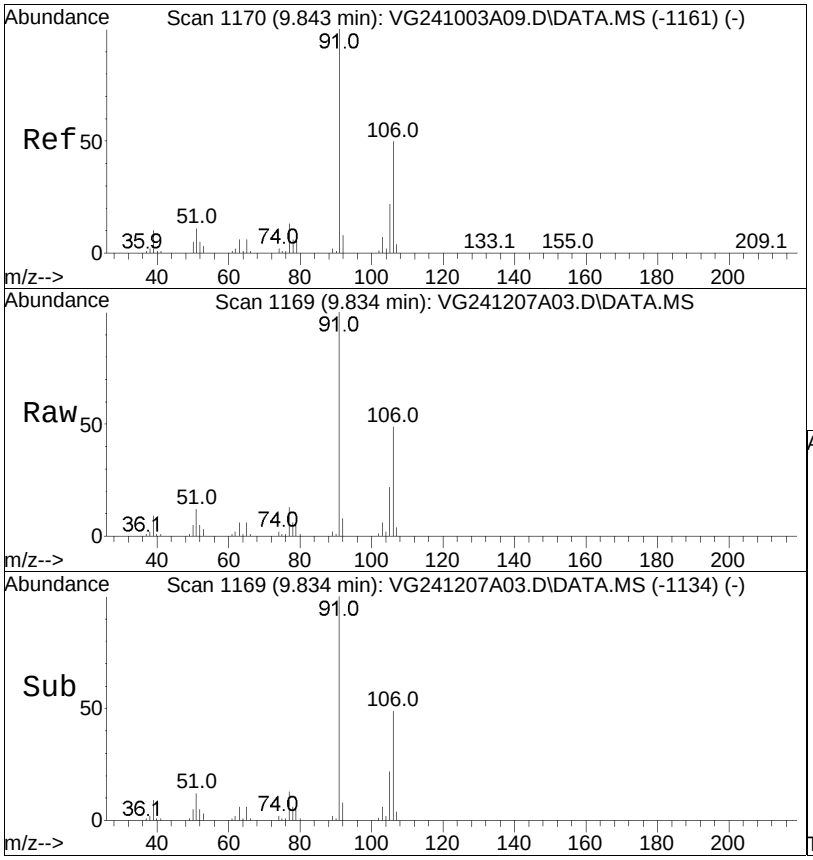


#75
1,1,1,2-Tetrachloroethane
Concen: 8.82 ug/L
RT: 9.695 min Scan# 1152
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:131 Resp: 93210

Ion	Ratio	Lower	Upper
131	100		
133	97.2	77.3	117.3
119	63.6	42.7	82.7

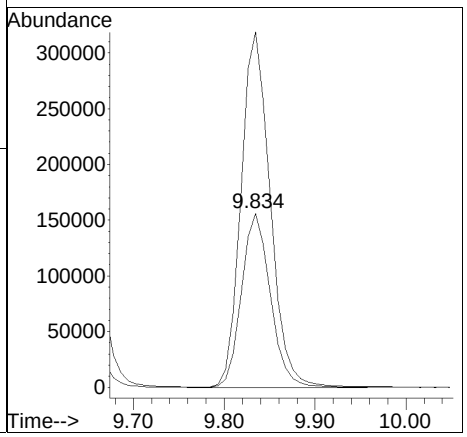


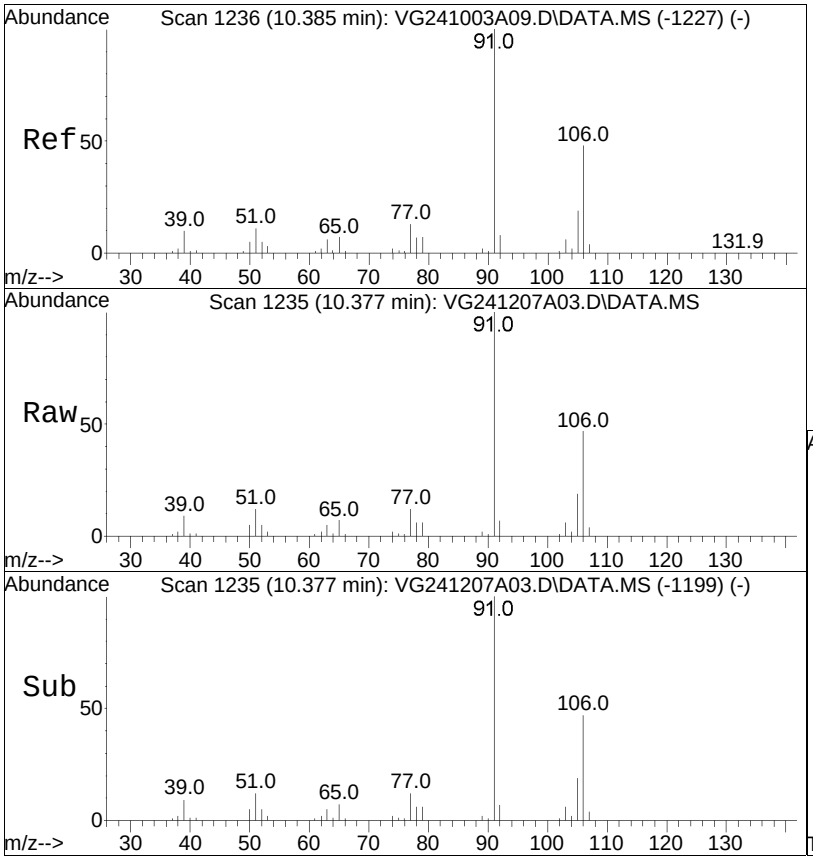


#76
p/m Xylene
Concen: 18.38 ug/L
RT: 9.834 min Scan# 1169
Delta R.T. -0.009 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:106 Resp: 344901

Ion	Ratio	Lower	Upper
106	100		
91	206.0	157.1	235.7

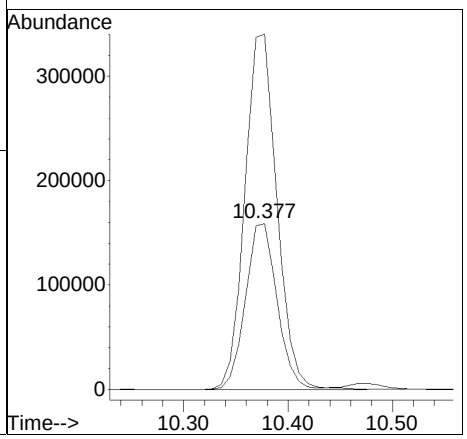


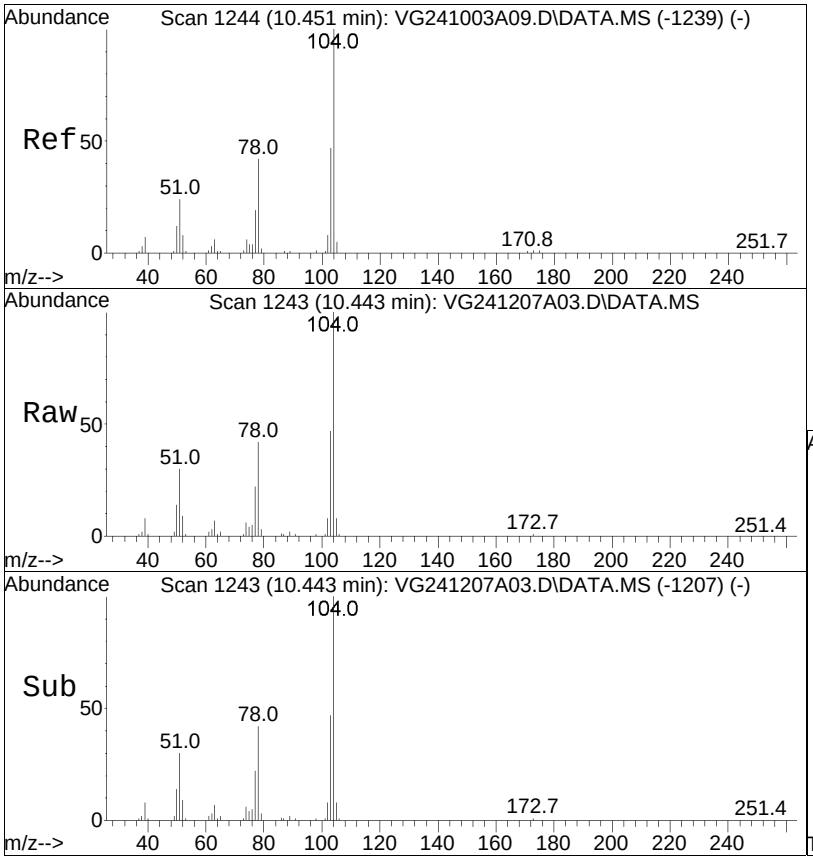


#77
o Xylene
Concen: 18.45 ug/L
RT: 10.377 min Scan# 1235
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:106 Resp: 335294

Ion	Ratio	Lower	Upper
106	100		
91	215.2	164.7	247.1

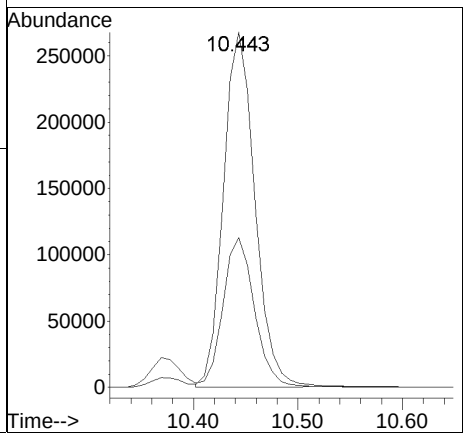


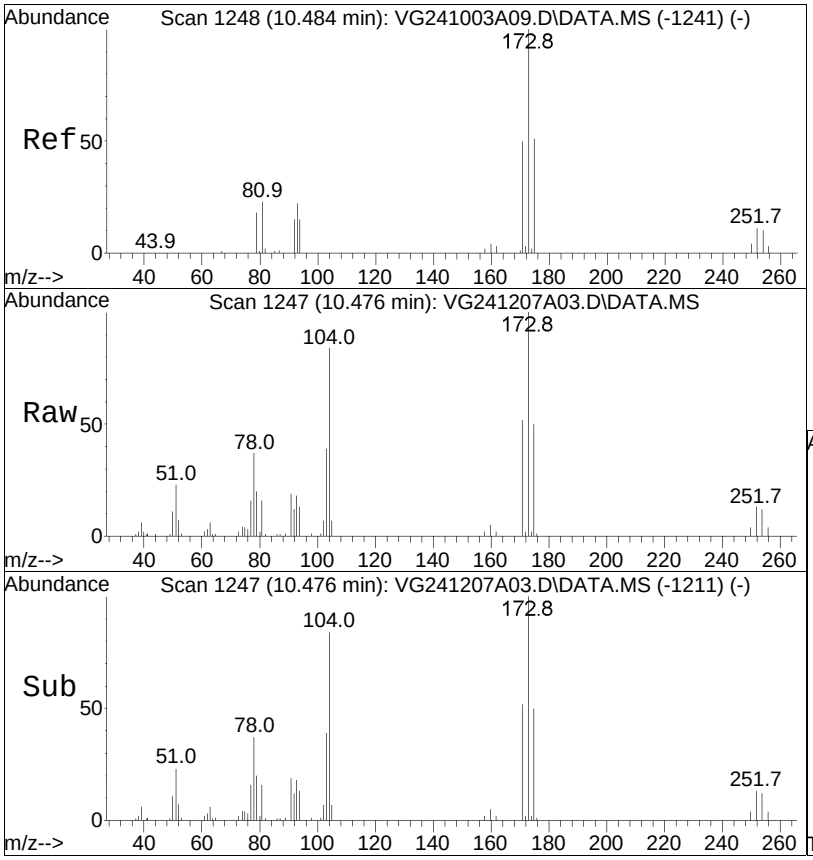


#78
Styrene
Concen: 18.08 ug/L
RT: 10.443 min Scan# 1243
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:104 Resp: 559120

Ion	Ratio	Lower	Upper
104	100		
78	42.5	32.2	48.4

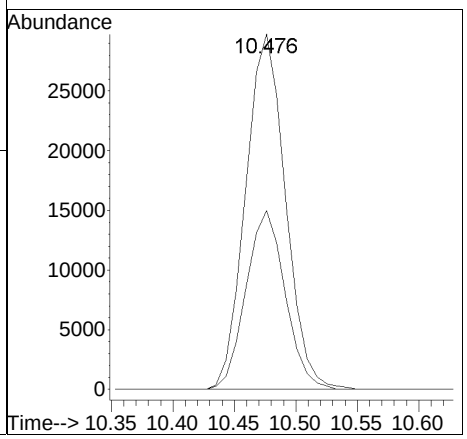


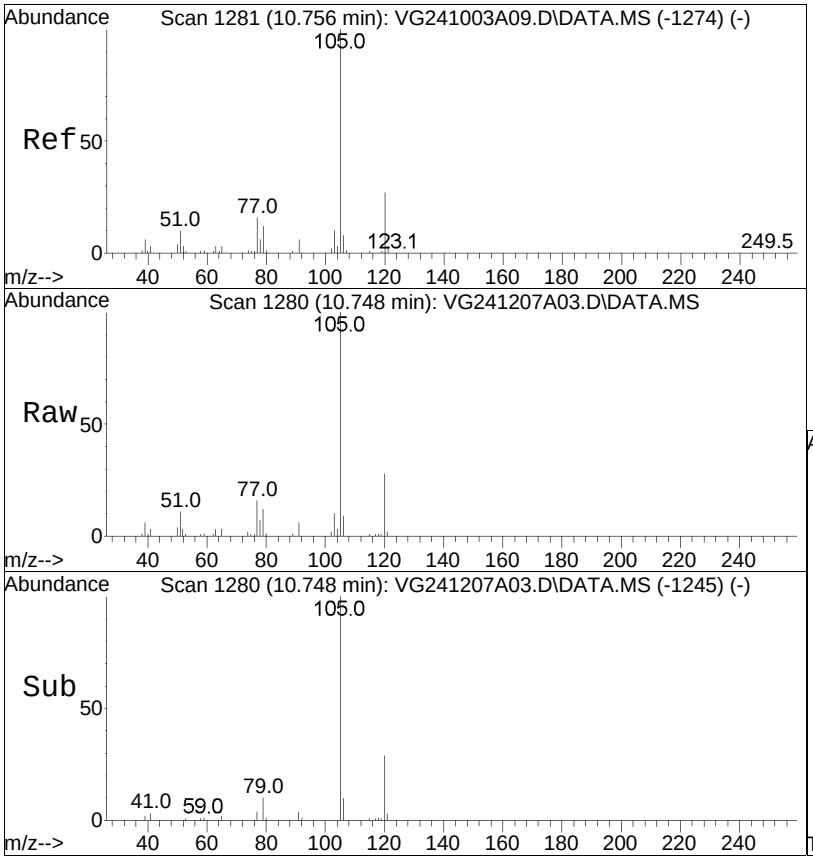


#80
Bromoform
Concen: 8.54 ug/L
RT: 10.476 min Scan# 1247
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:173 Resp: 67089

Ion	Ratio	Lower	Upper
173	100		
175	49.5	28.0	68.0

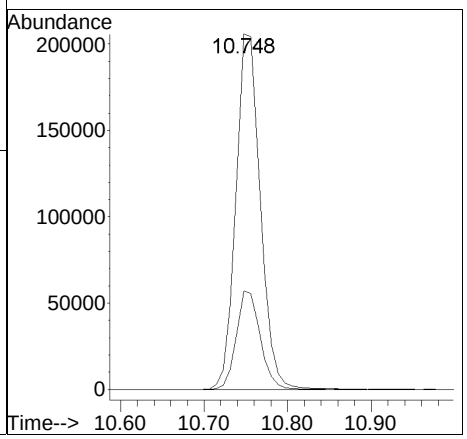


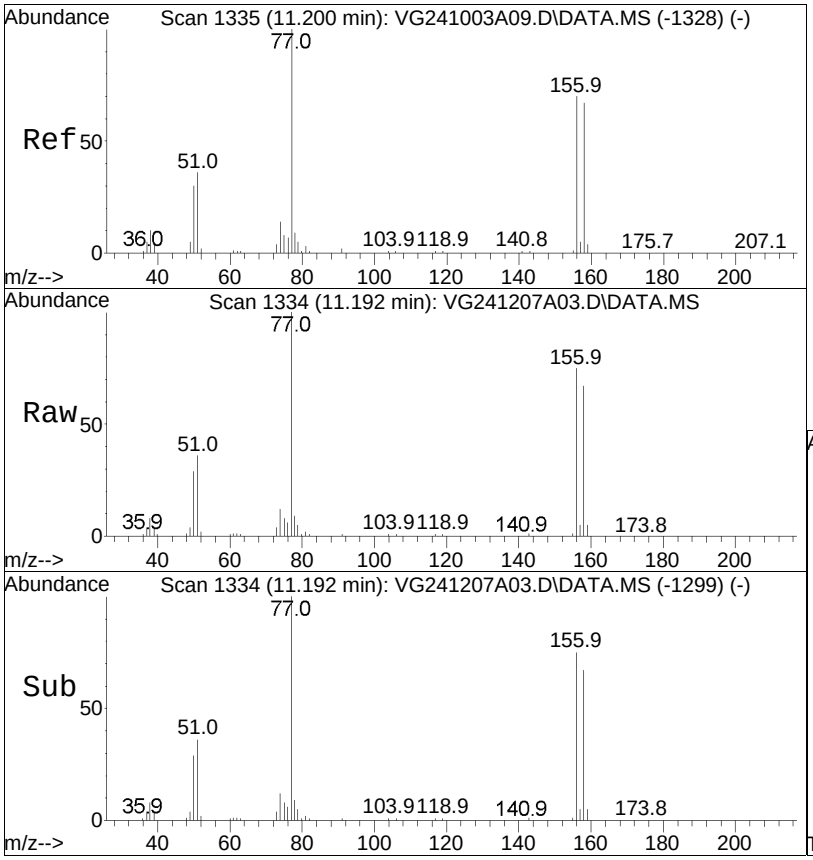


#82
Isopropylbenzene
Concen: 8.67 ug/L
RT: 10.748 min Scan# 1280
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:105 Resp: 419107

Ion	Ratio	Lower	Upper
105	100		
120	27.0	7.0	47.0

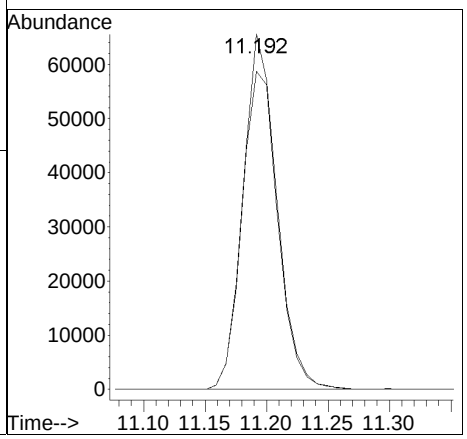


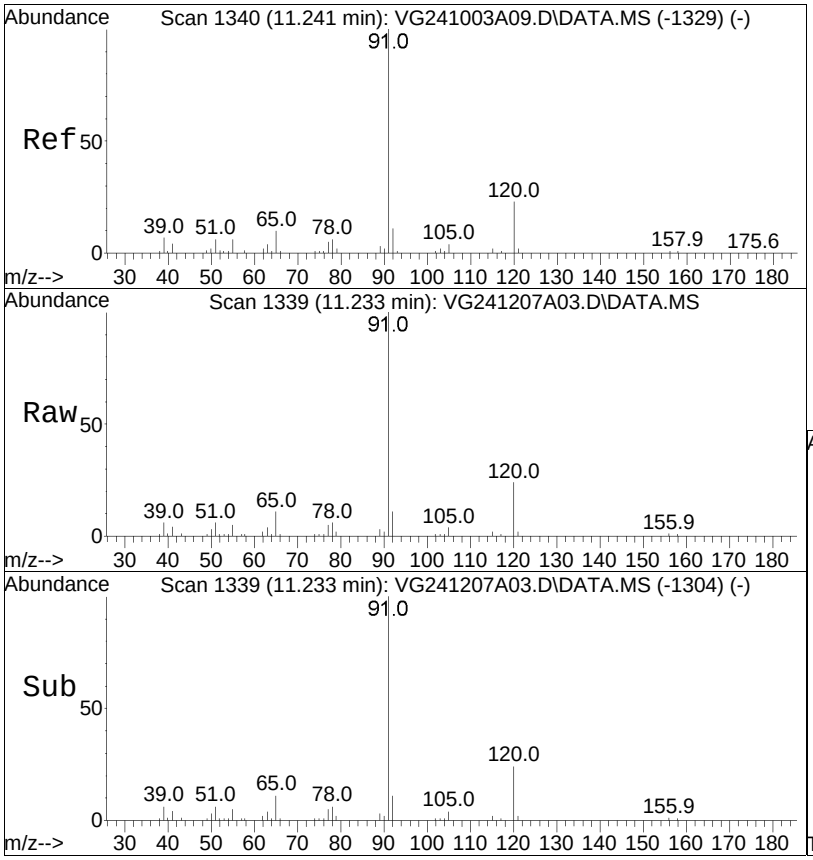


#84
Bromobenzene
Concen: 9.62 ug/L
RT: 11.192 min Scan# 1334
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:156 Resp: 125887

Ion	Ratio	Lower	Upper
156	100		
158	94.9	76.9	115.3

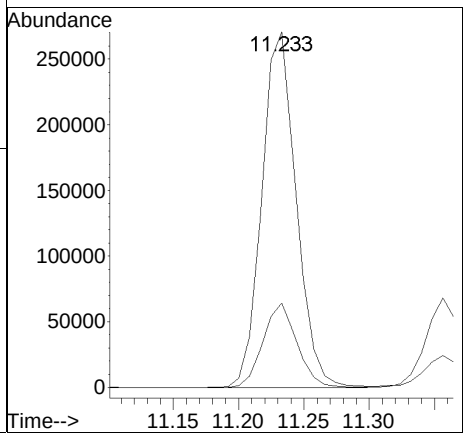


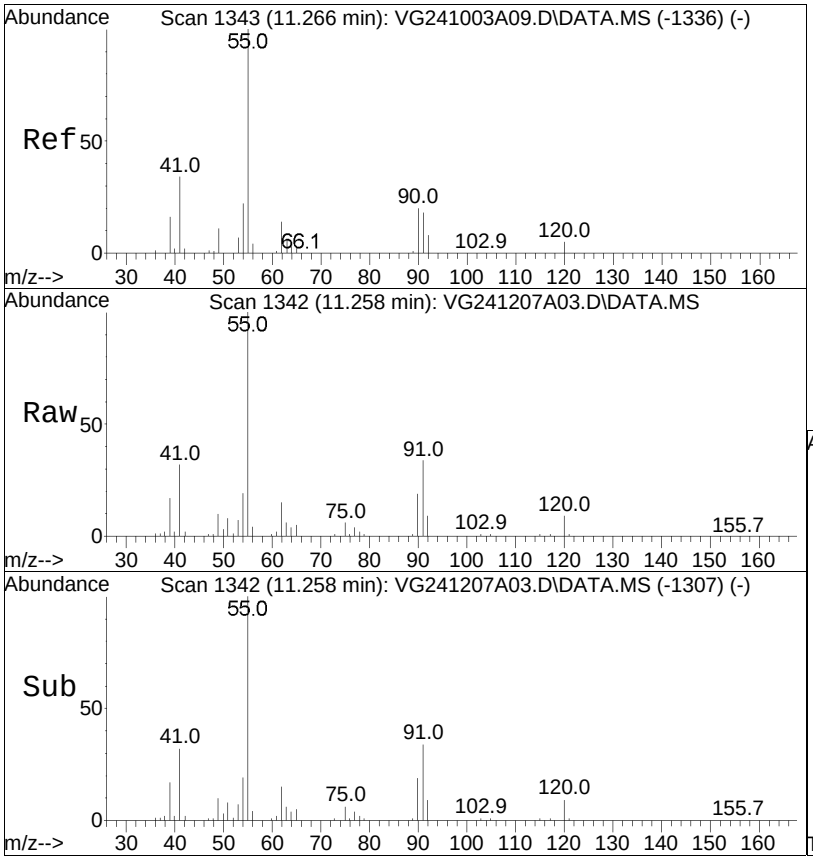


#85
n-Propylbenzene
Concen: 8.79 ug/L
RT: 11.233 min Scan# 1339
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 91 Resp: 494929

Ion	Ratio	Lower	Upper
91	100		
120	23.3	19.0	28.6

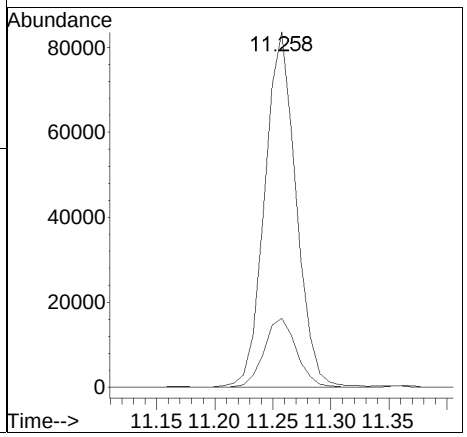


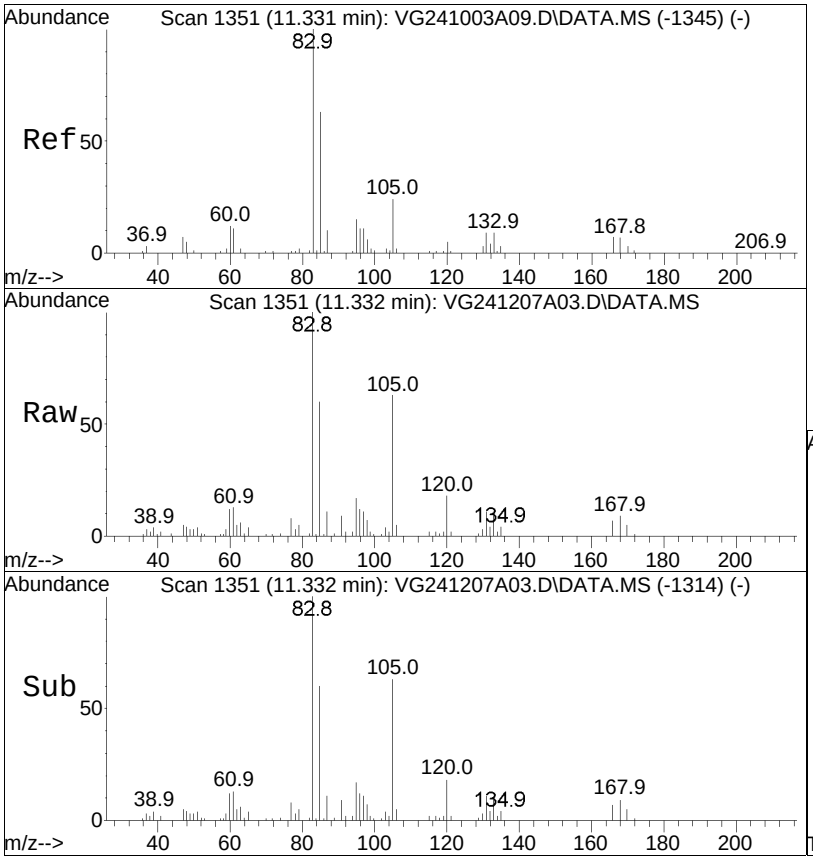


#86
1,4-Dichlorobutane
Concen: 8.29 ug/L
RT: 11.258 min Scan# 1342
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 55 Resp: 157684

Ion	Ratio	Lower	Upper
55	100		
54	20.1	17.5	26.3

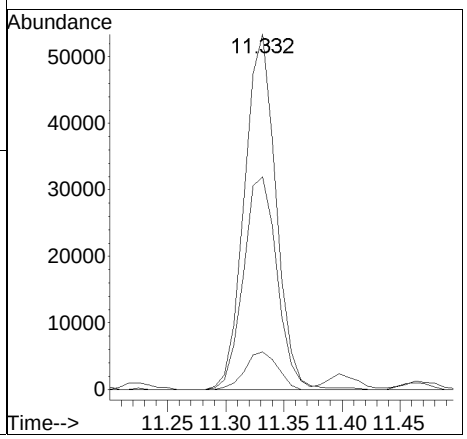


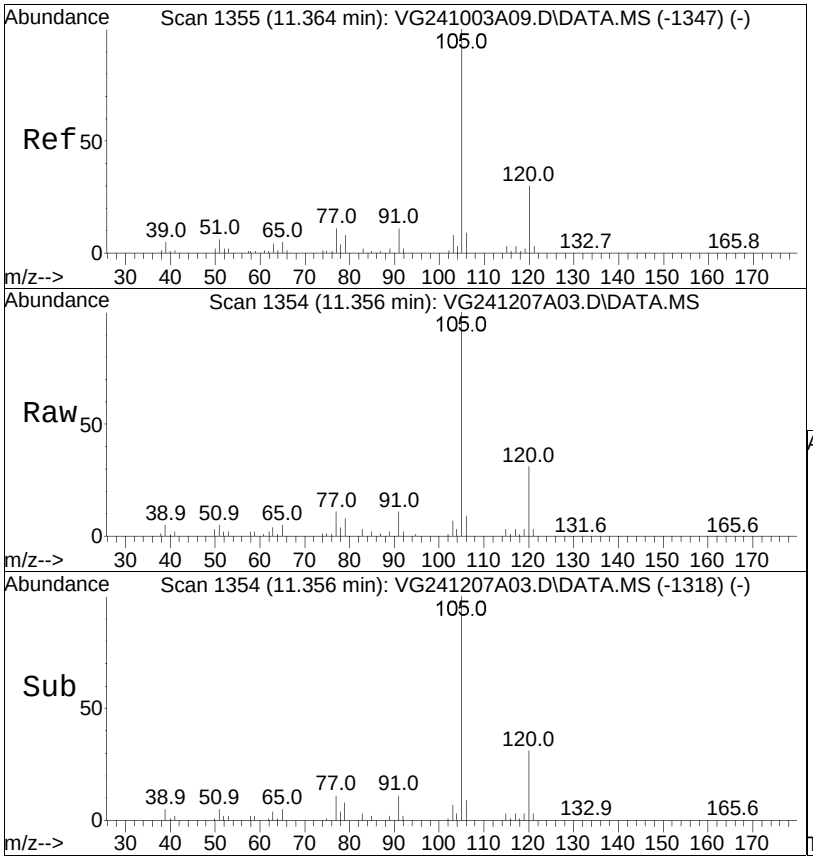


#87
1,1,2,2-Tetrachloroethane
Concen: 8.24 ug/L
RT: 11.332 min Scan# 1351
Delta R.T. 0.001 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 83 Resp: 100858

Ion	Ratio	Lower	Upper
83	100		
131	10.9	0.0	31.0
85	63.4	43.9	83.9

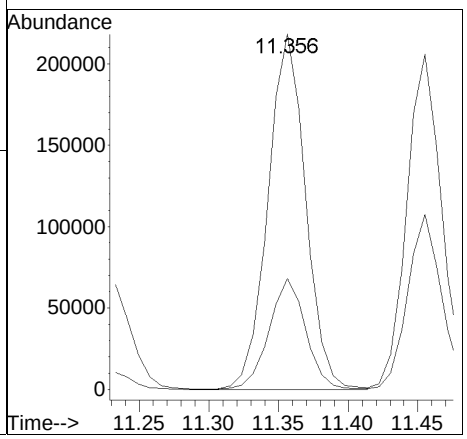


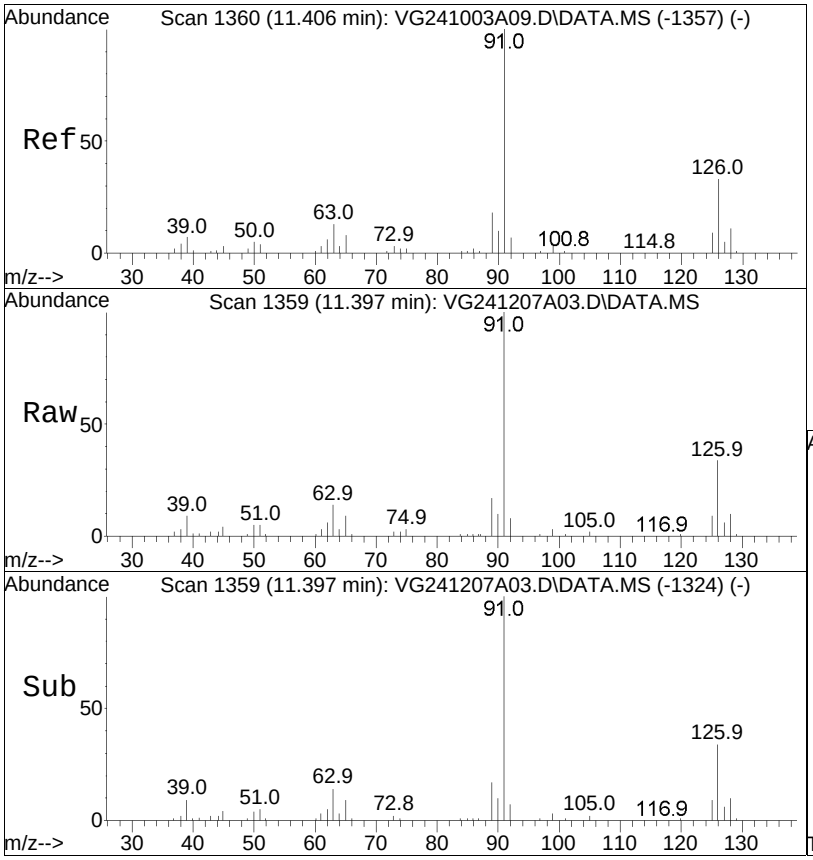


#88
4-Ethyltoluene
Concen: 8.90 ug/L
RT: 11.356 min Scan# 1354
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:105 Resp: 409960

Ion	Ratio	Lower	Upper
105	100		
120	30.4	19.9	41.3

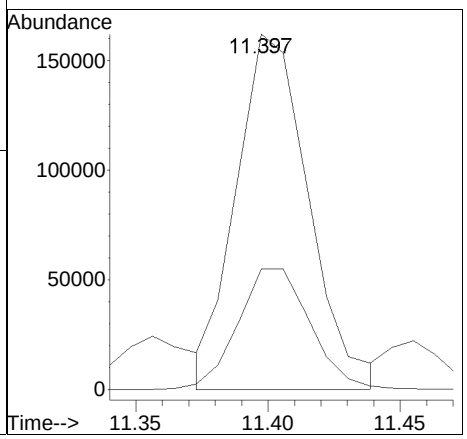


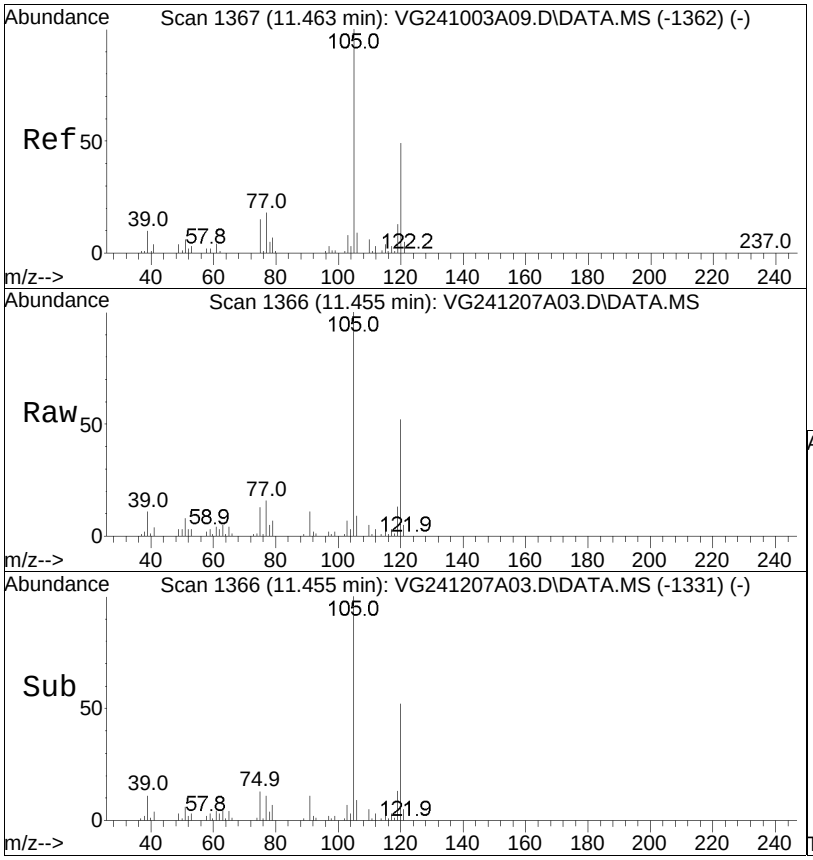


#89
2-Chlorotoluene
Concen: 8.98 ug/L M6
RT: 11.397 min Scan# 1359
Delta R.T. -0.009 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 91 Resp: 308312

Ion	Ratio	Lower	Upper
91	100		
126	34.2	27.4	41.2

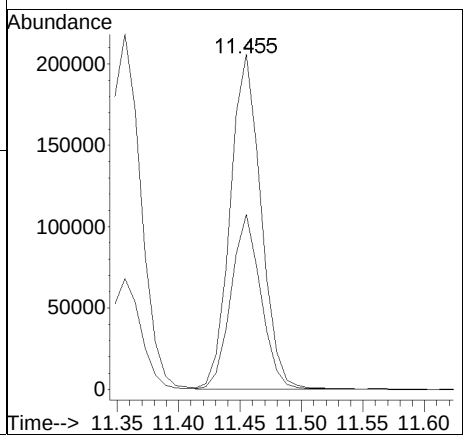


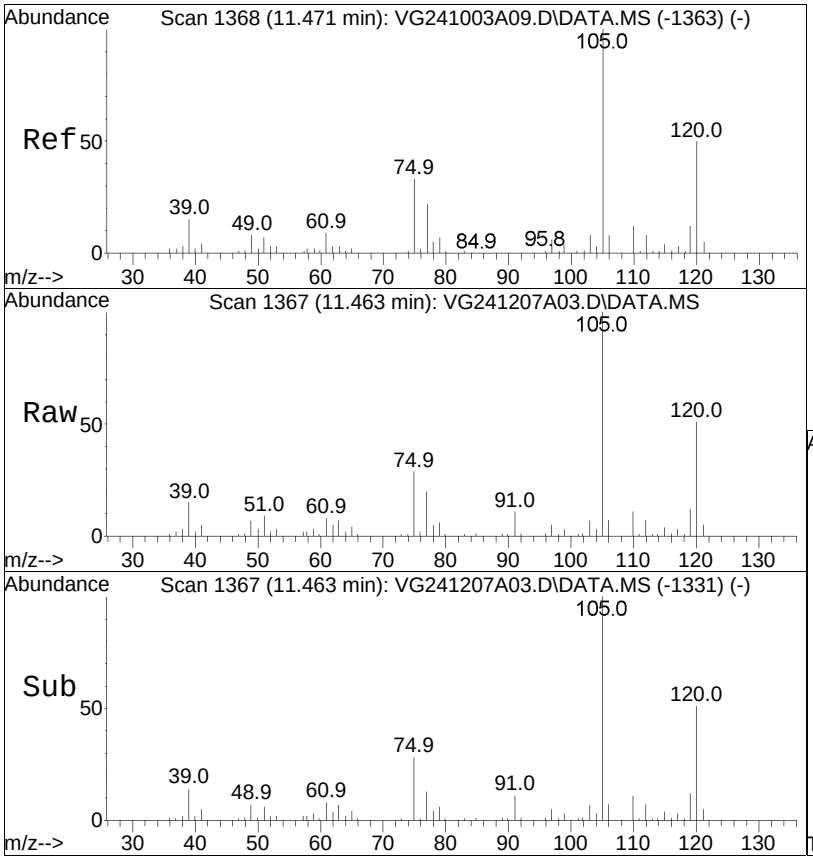


#90
1,3,5-Trimethylbenzene
Concen: 8.76 ug/L
RT: 11.455 min Scan# 1366
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:105 Resp: 357418

Ion	Ratio	Lower	Upper
105	100		
120	51.2	40.3	60.5

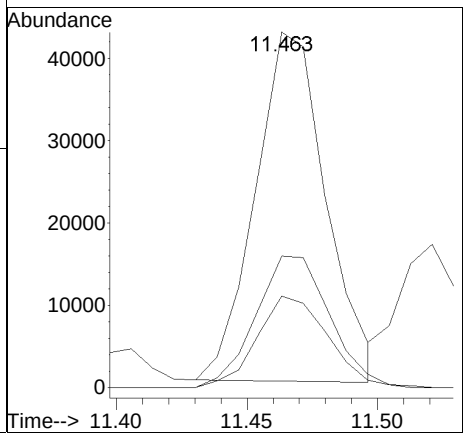


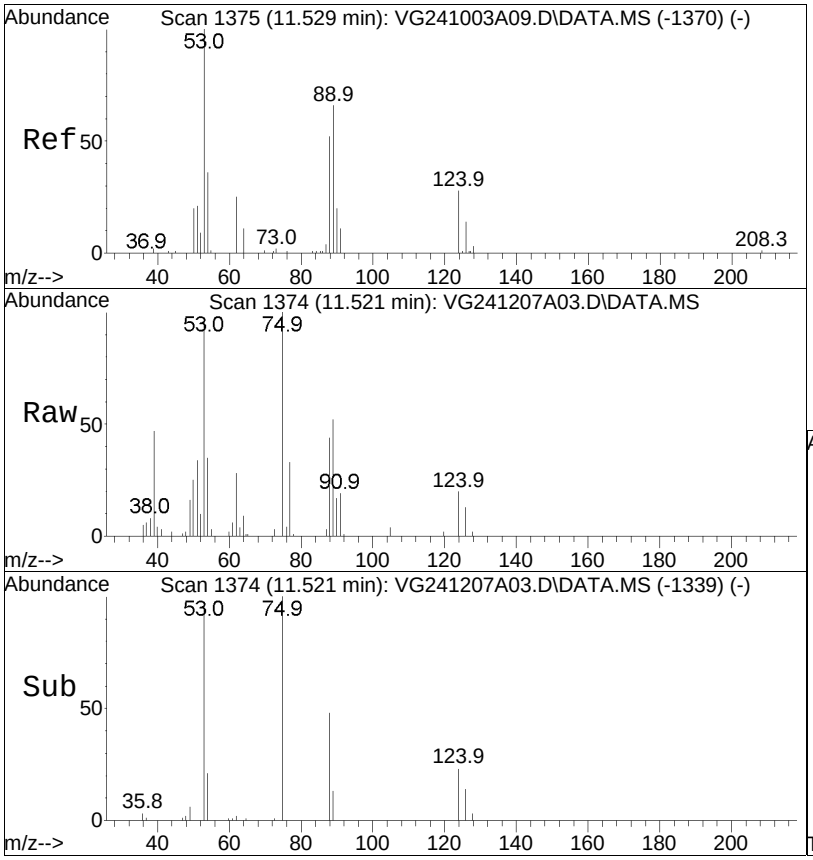


#91
1,2,3-Trichloropropane
Concen: 8.00 ug/L
RT: 11.463 min Scan# 1367
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 75 Resp: 79926

Ion	Ratio	Lower	Upper
75	100		
110	39.4	23.5	48.9
112	26.1	15.9	32.9

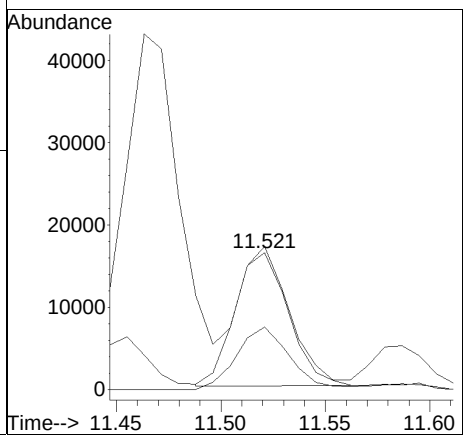


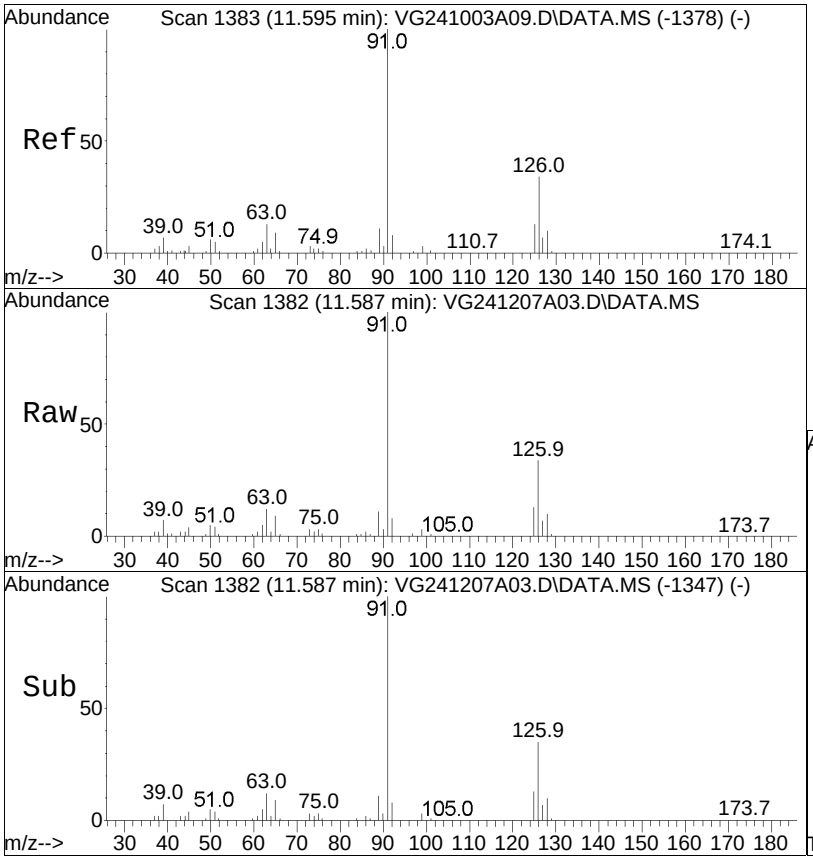


#92
trans-1,4-Dichloro-2-butene
Concen: 7.16 ug/L
RT: 11.521 min Scan# 1374
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 53 Resp: 28852

Ion	Ratio	Lower	Upper
53	100		
88	46.3	41.6	62.4
75	106.7	0.0	0.0#

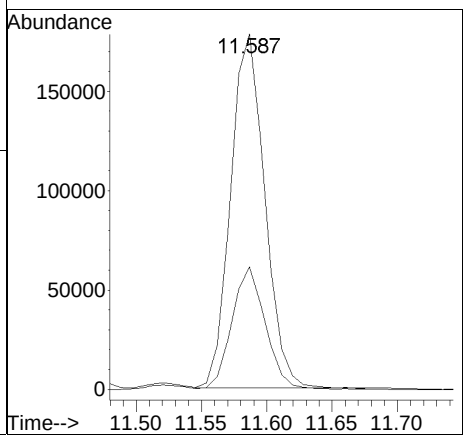


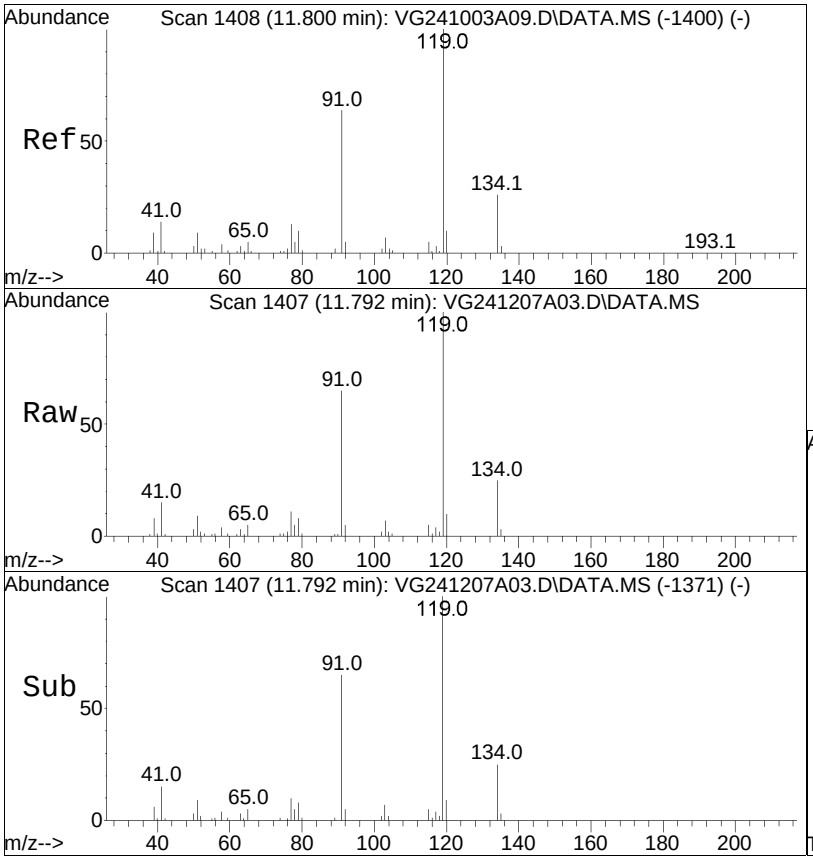


#93
4-Chlorotoluene
Concen: 8.97 ug/L
RT: 11.587 min Scan# 1382
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 91 Resp: 324017

Ion	Ratio	Lower	Upper
91	100		
126	34.0	28.2	42.4

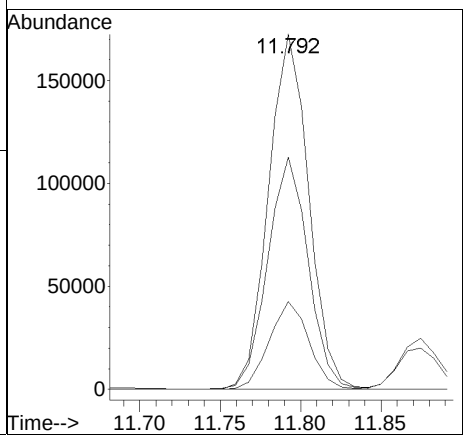


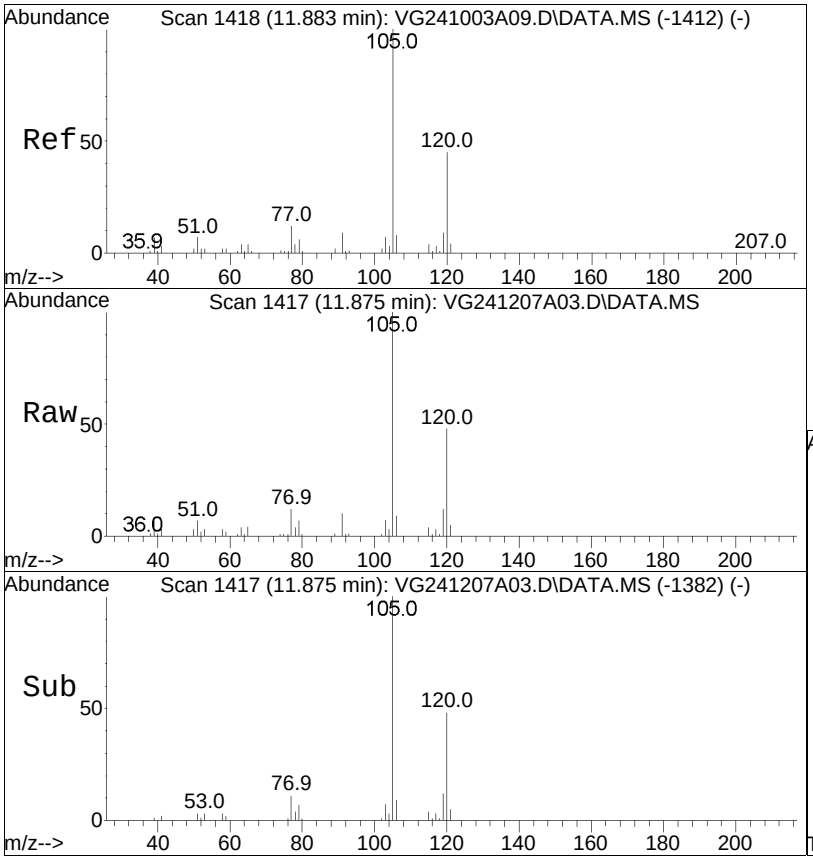


#94
tert-Butylbenzene
Concen: 9.36 ug/L
RT: 11.792 min Scan# 1407
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:119 Resp: 301265

Ion	Ratio	Lower	Upper
119	100		
91	65.8	50.8	76.2
134	24.5	20.2	30.4

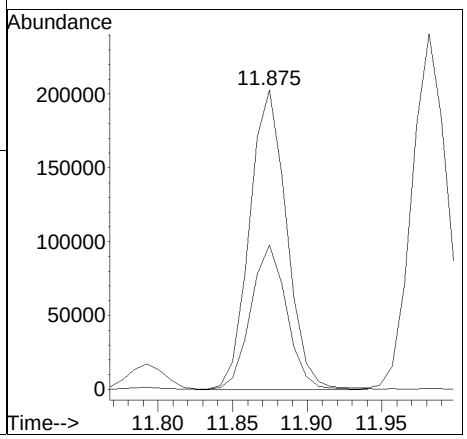


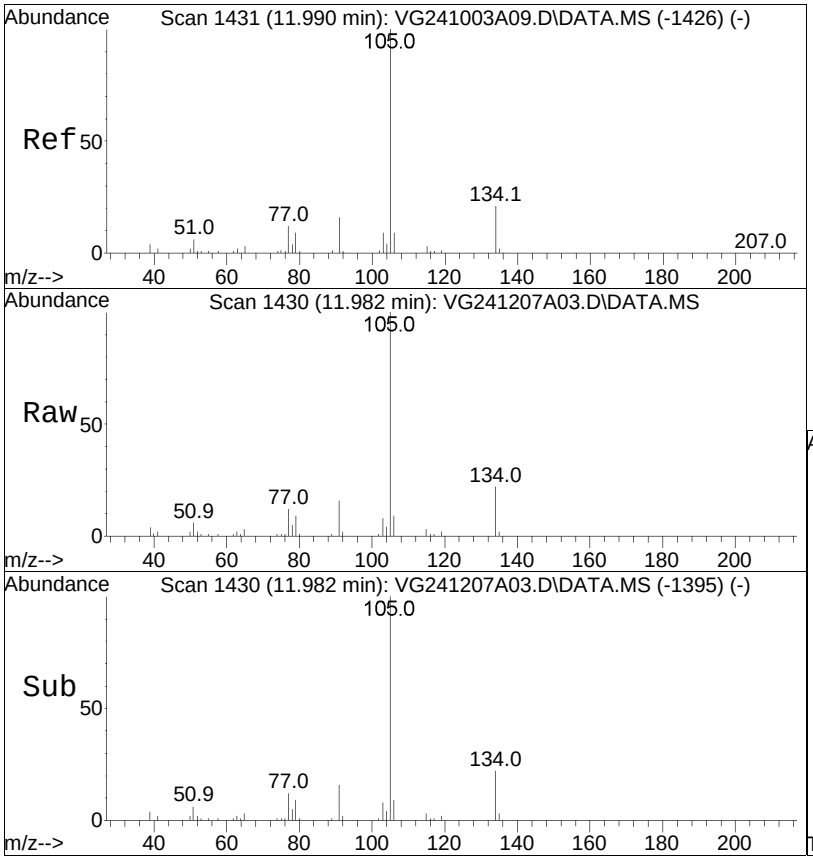


#97
1,2,4-Trimethylbenzene
Concen: 8.79 ug/L
RT: 11.875 min Scan# 1417
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:105 Resp: 349975

Ion	Ratio	Lower	Upper
105	100		
120	46.4	37.8	56.6

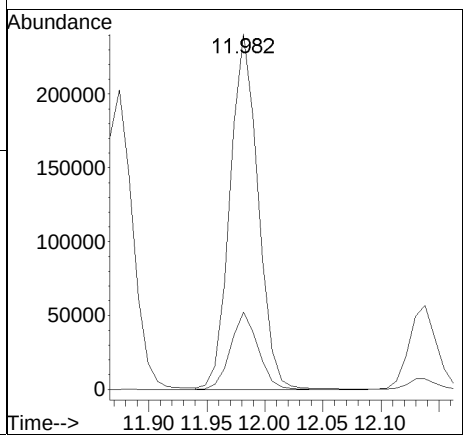


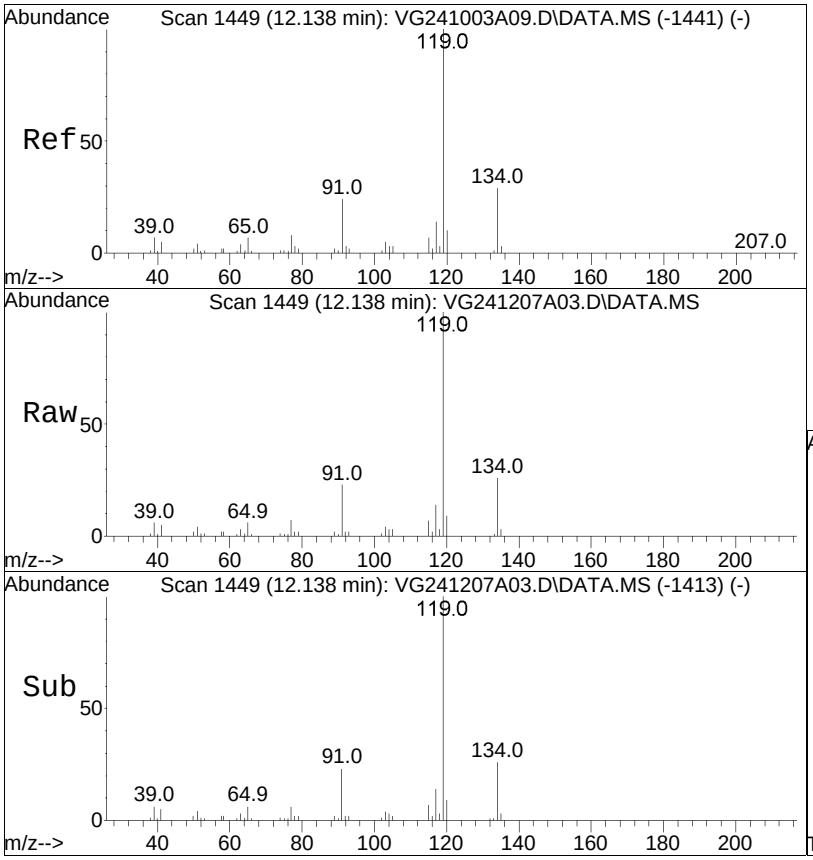


#98
sec-Butylbenzene
Concen: 8.73 ug/L
RT: 11.982 min Scan# 1430
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:105 Resp: 405275

Ion	Ratio	Lower	Upper
105	100		
134	21.1	13.3	27.7

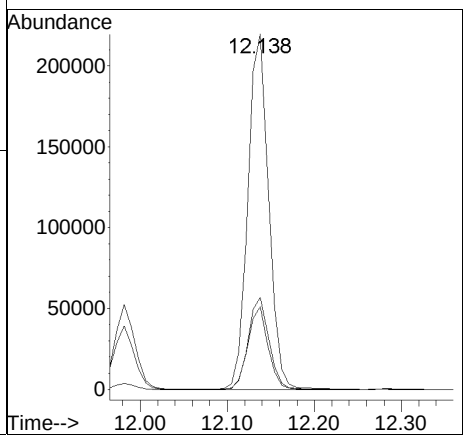


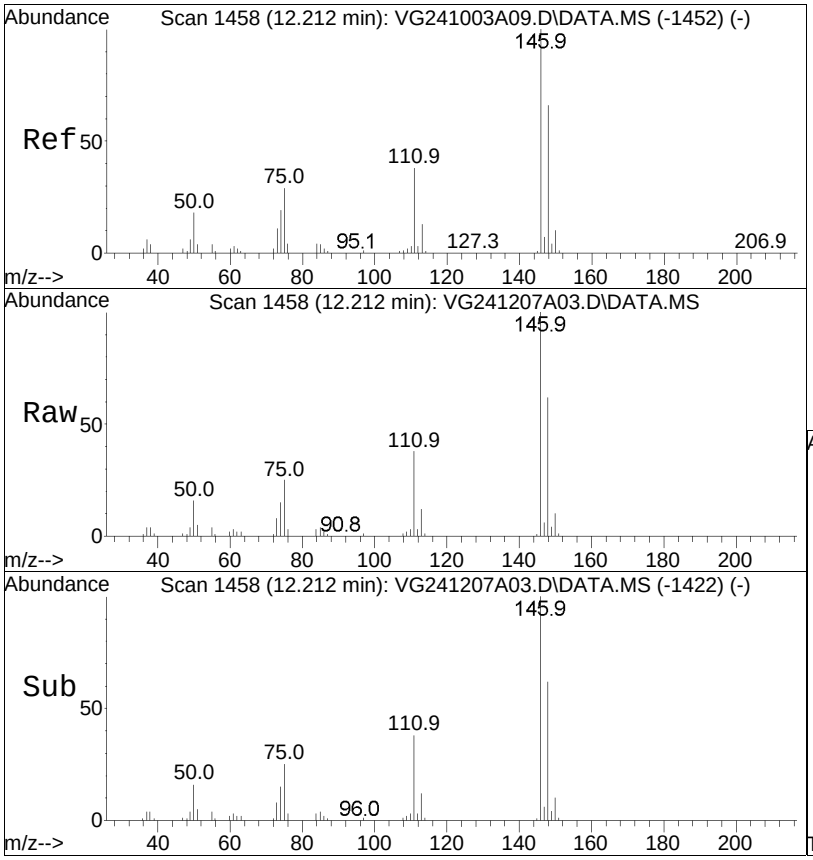


#99
p-Isopropyltoluene
Concen: 9.28 ug/L
RT: 12.138 min Scan# 1449
Delta R.T. -0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:119 Resp: 365444

Ion	Ratio	Lower	Upper
119	100		
134	25.8	17.5	36.3
91	22.7	14.6	30.4

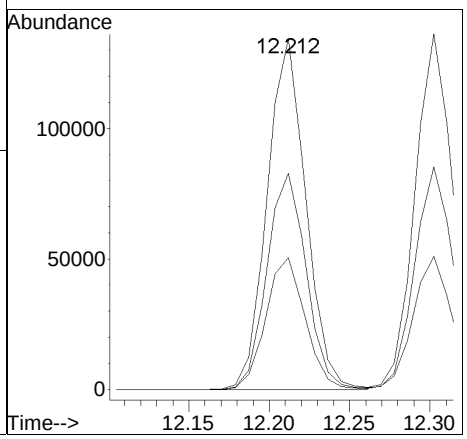


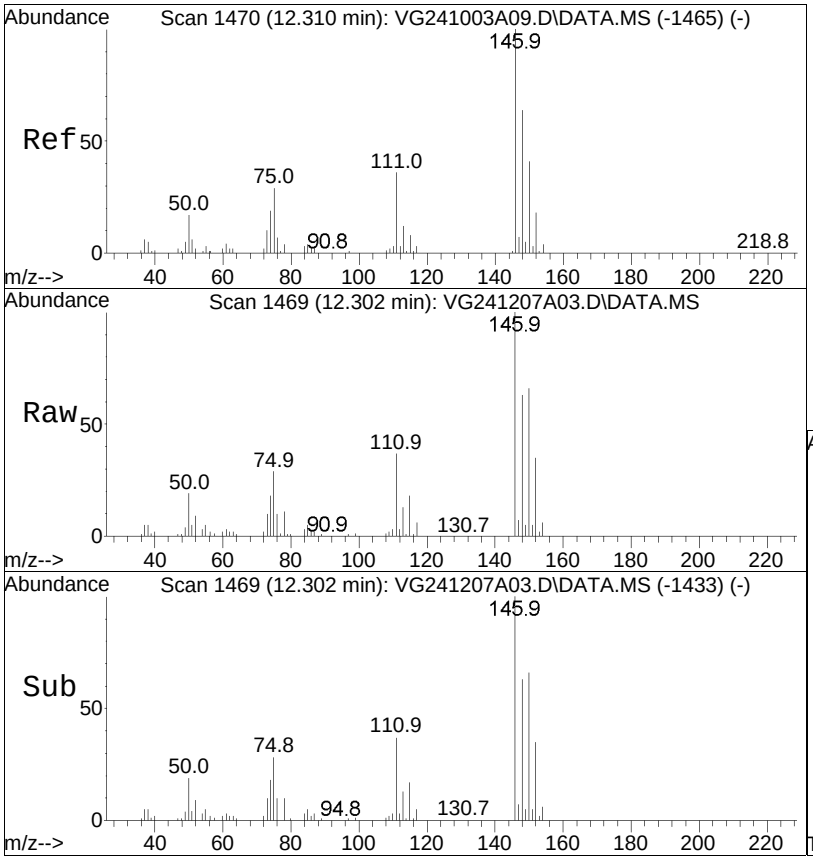


#100
1,3-Dichlorobenzene
Concen: 9.44 ug/L
RT: 12.212 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:146 Resp: 224827

Ion	Ratio	Lower	Upper
146	100		
111	38.3	24.4	50.6
148	62.6	41.0	85.2

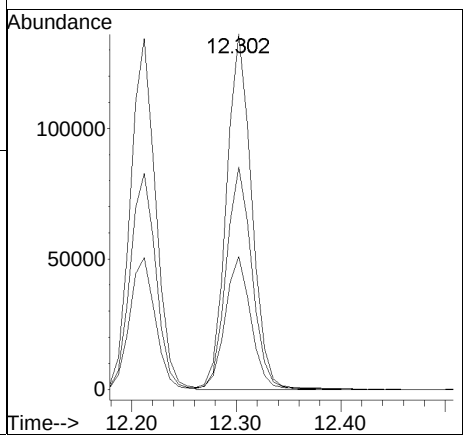


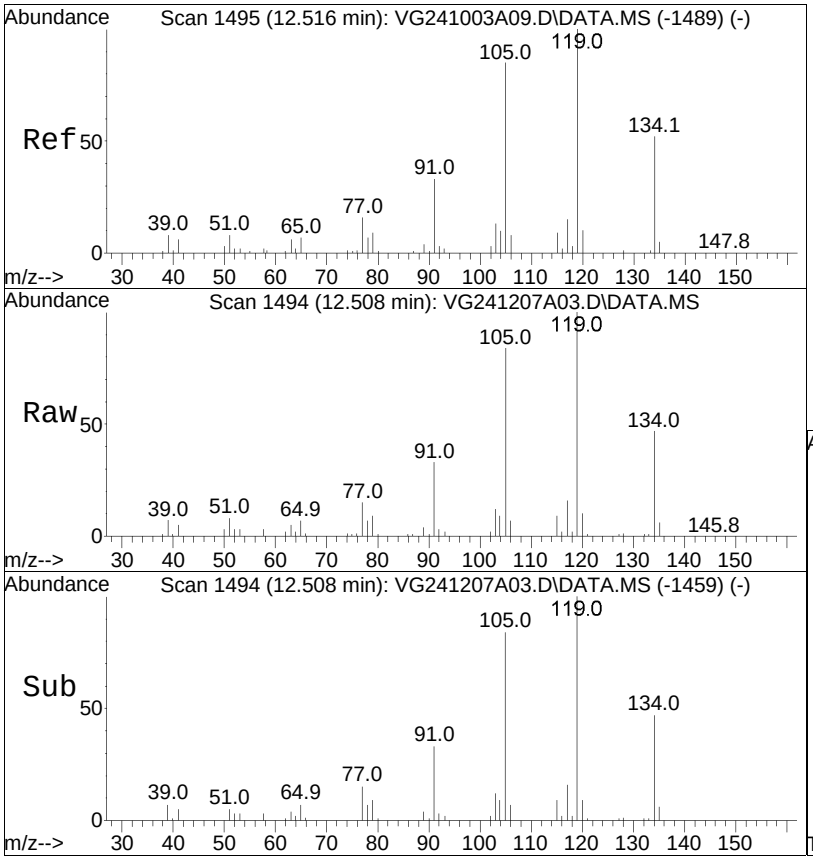


#101
1,4-Dichlorobenzene
Concen: 9.27 ug/L
RT: 12.302 min Scan# 1469
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:146 Resp: 229524

Ion	Ratio	Lower	Upper
146	100		
111	38.1	29.3	43.9
148	63.7	51.2	76.8

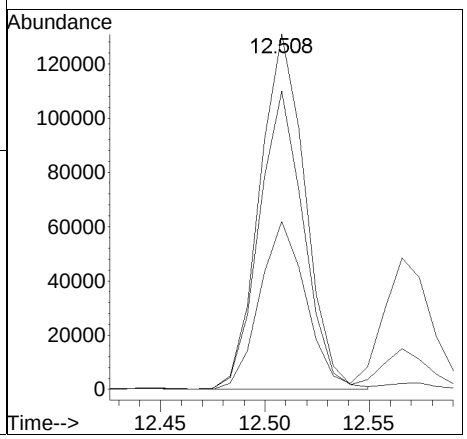


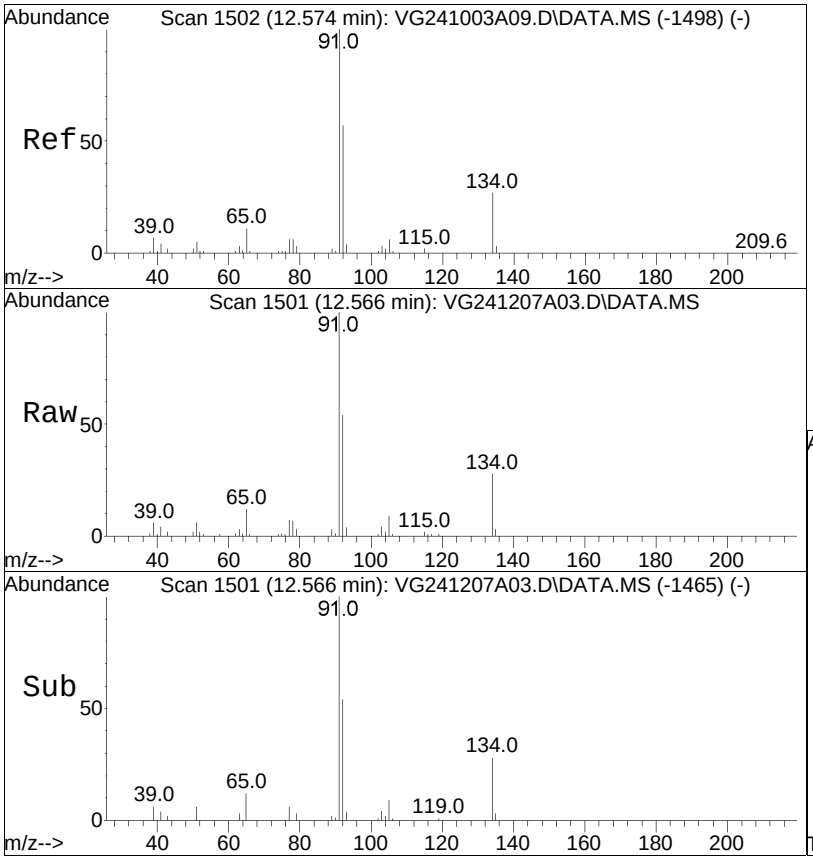


#102
p-Diethylbenzene
Concen: 8.96 ug/L
RT: 12.508 min Scan# 1494
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:119 Resp: 197760

Ion	Ratio	Lower	Upper
119	100		
105	81.8	53.9	112.1
134	48.0	32.0	66.6

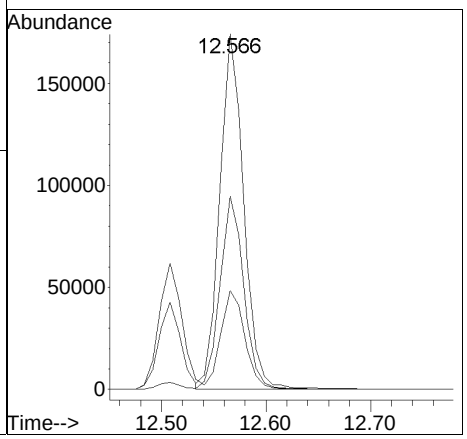


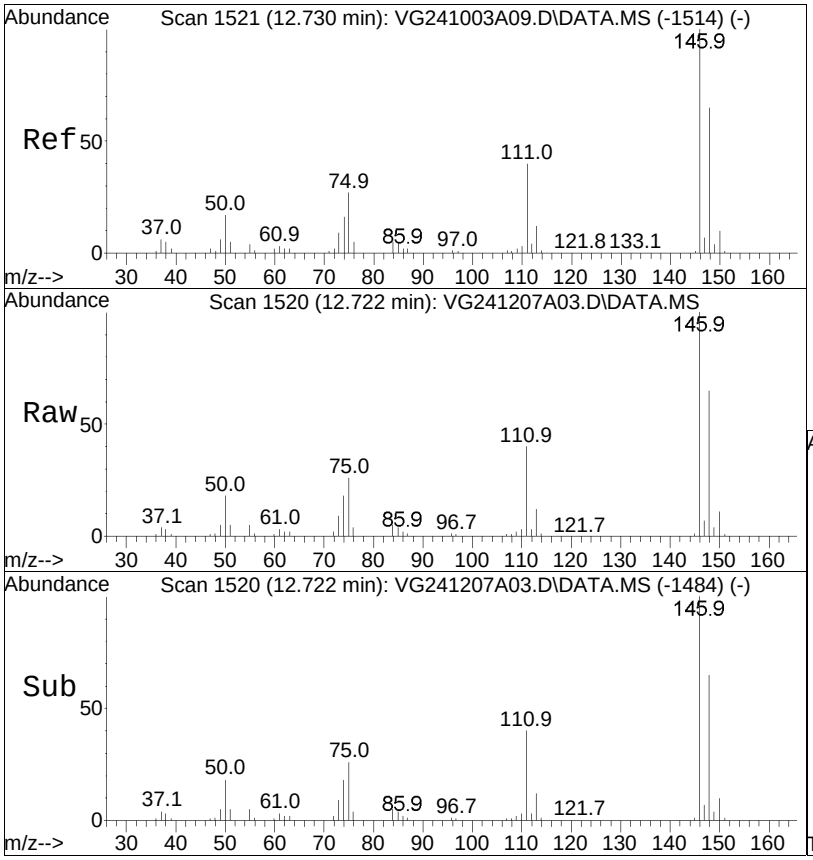


#103
n-Butylbenzene
Concen: 8.75 ug/L
RT: 12.566 min Scan# 1501
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 91 Resp: 277446

Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.8	65.8
134	27.7	22.0	33.0

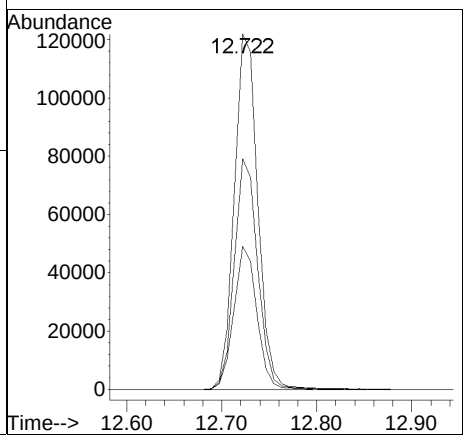


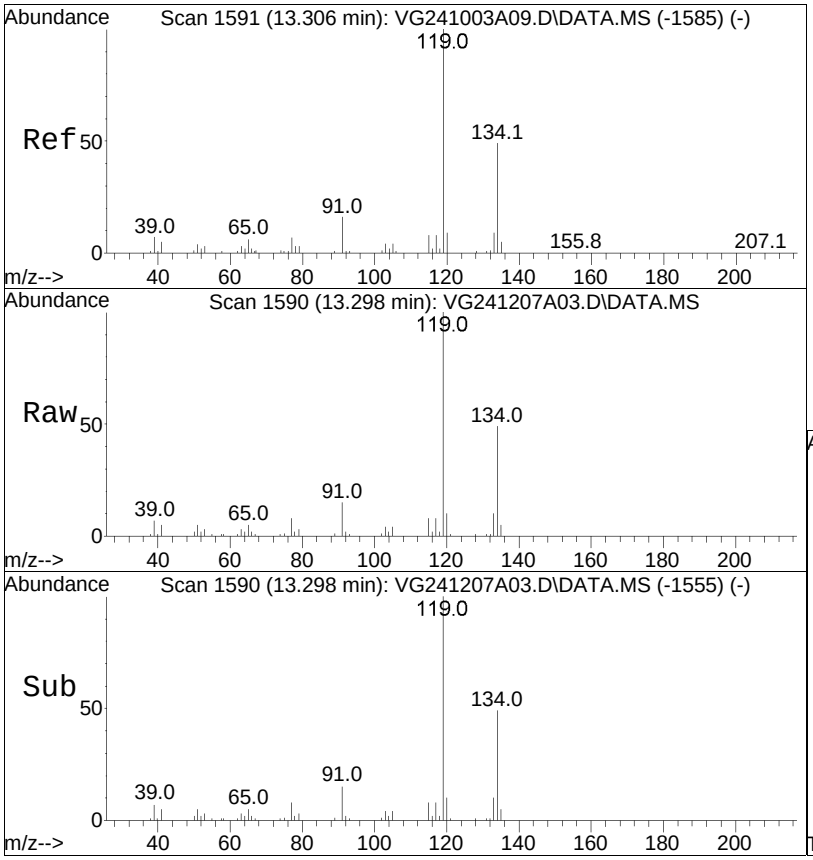


#104
1,2-Dichlorobenzene
Concen: 9.16 ug/L
RT: 12.722 min Scan# 1520
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:146 Resp: 210342

Ion	Ratio	Lower	Upper
146	100		
111	39.4	25.4	52.8
148	64.4	41.7	86.5

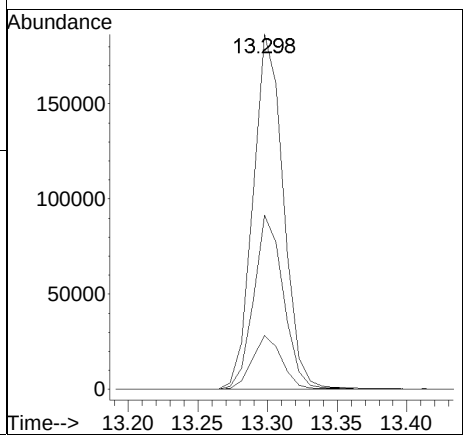


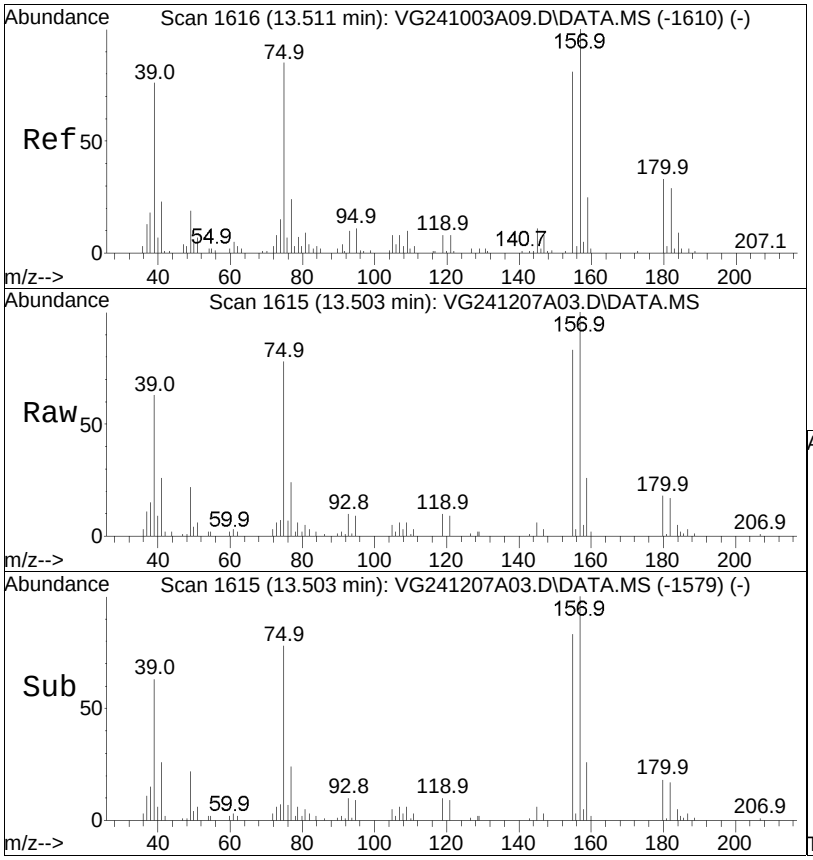


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.12 ug/L
RT: 13.298 min Scan# 1590
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:119 Resp: 283219

Ion	Ratio	Lower	Upper
119	100		
134	48.4	32.7	67.9
91	15.1	9.9	20.7

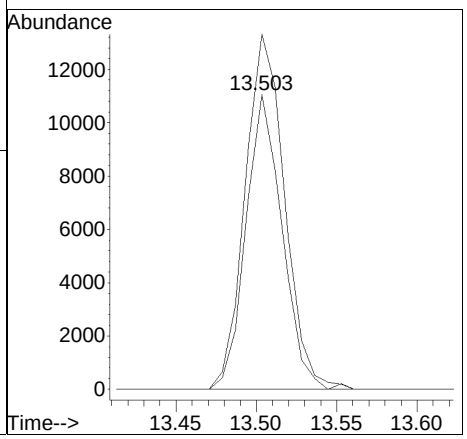


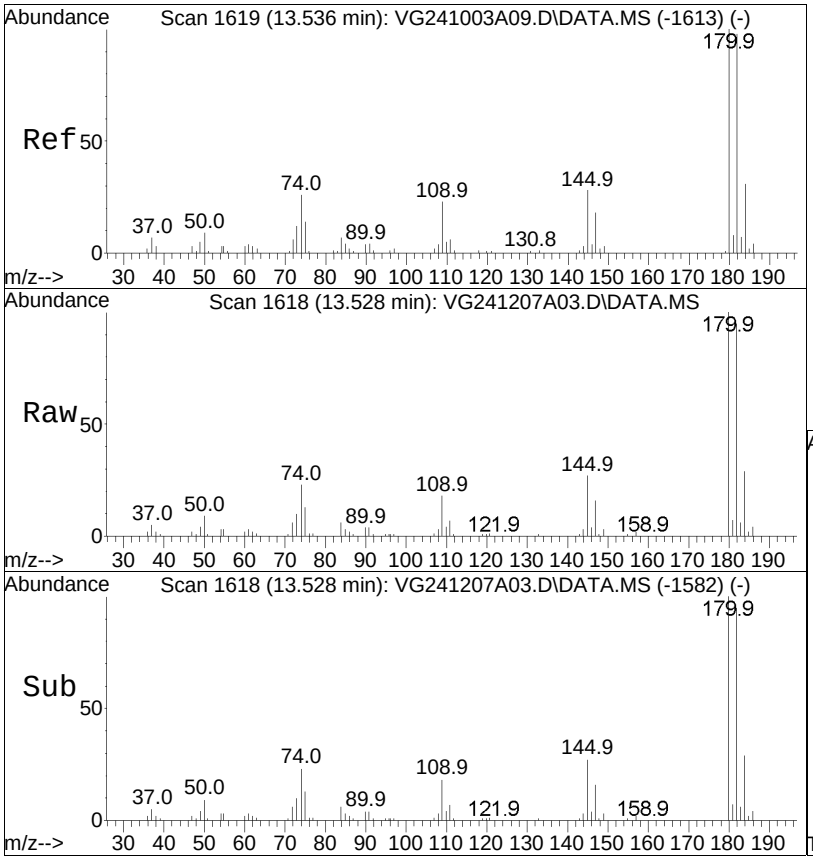


#106
1,2-Dibromo-3-chloropropane
Concen: 8.51 ug/L
RT: 13.503 min Scan# 1615
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:155 Resp: 17338

Ion	Ratio	Lower	Upper
155	100		
157	131.3	99.9	149.9

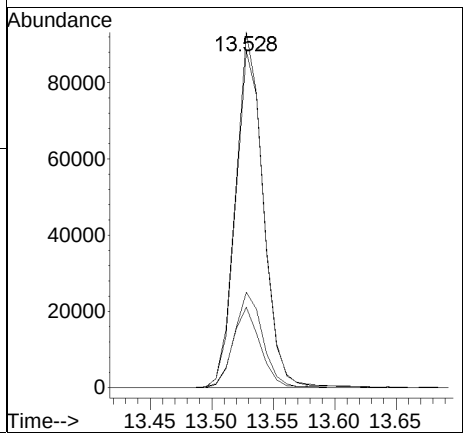


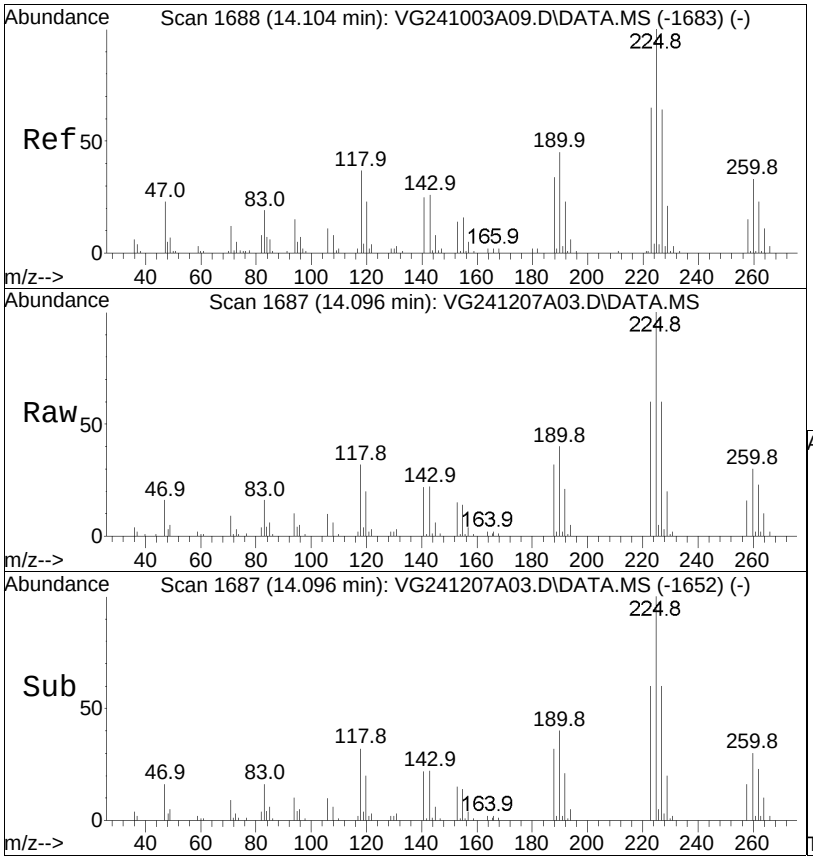


#107
1,3,5-Trichlorobenzene
Concen: 10.12 ug/L
RT: 13.528 min Scan# 1618
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:180 Resp: 146245

Ion	Ratio	Lower	Upper
180	100		
182	96.7	61.2	127.0
145	27.2	18.5	38.3
74	22.4	16.3	33.8

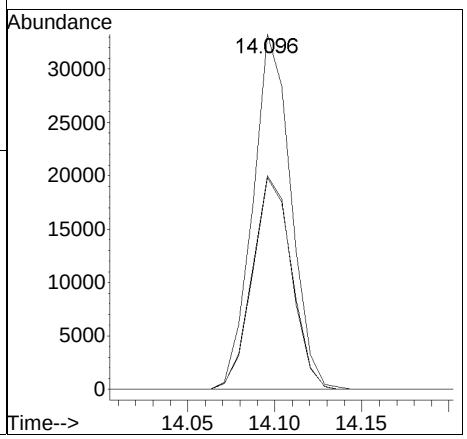


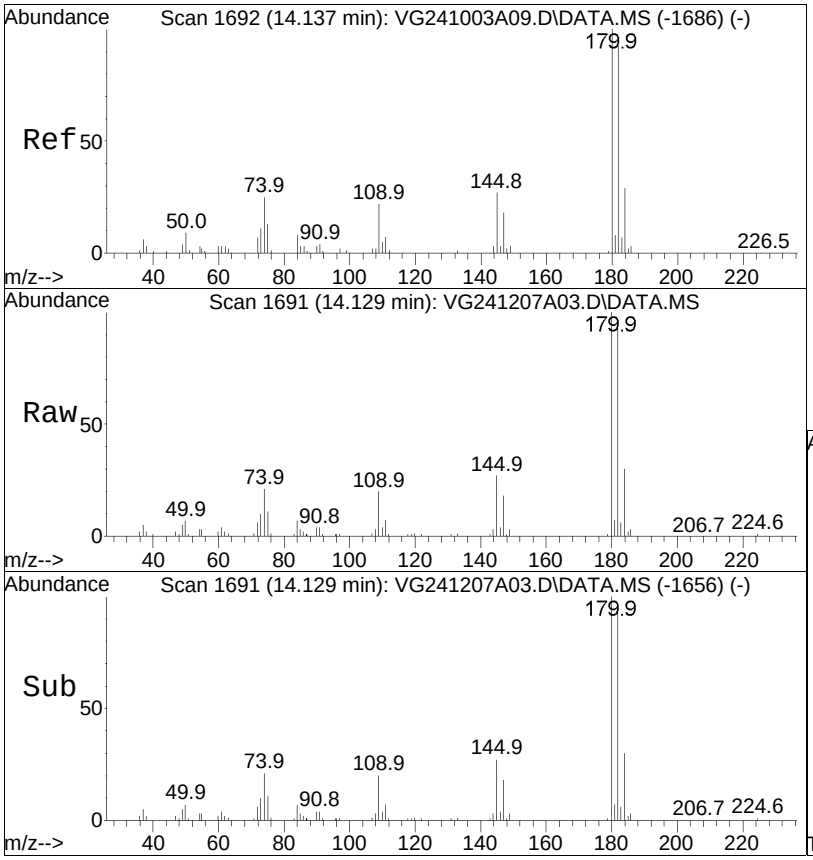


#108
Hexachlorobutadiene
Concen: 10.93 ug/L
RT: 14.096 min Scan# 1687
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:225 Resp: 50735

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.1	75.1
227	61.4	50.2	75.4

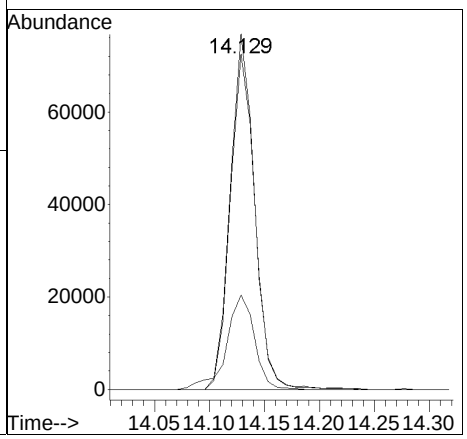


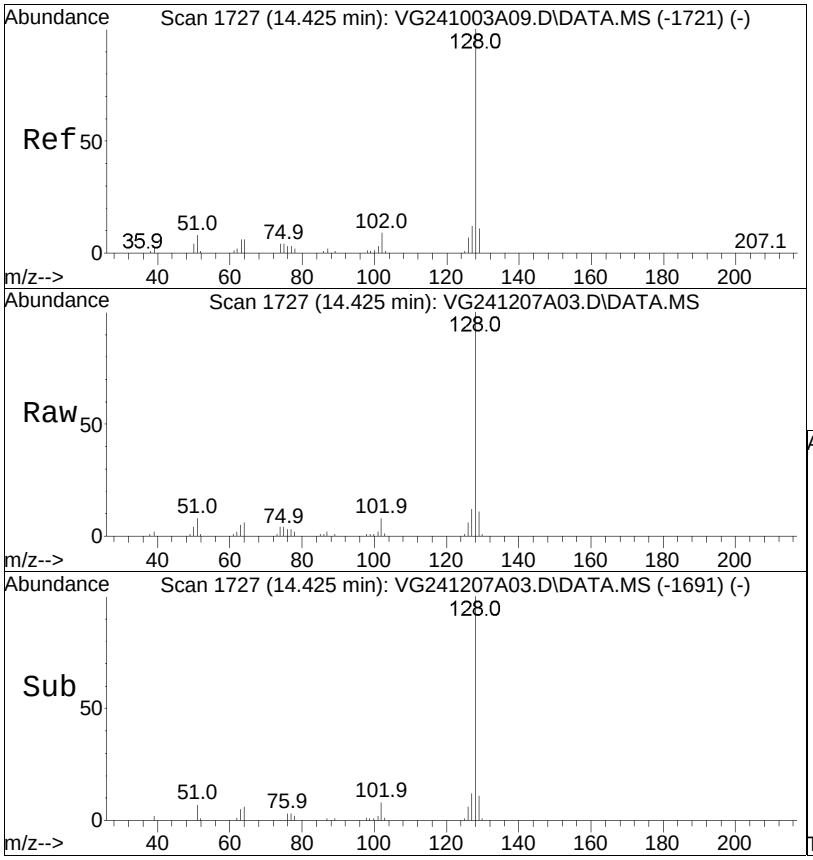


#109
1,2,4-Trichlorobenzene
Concen: 9.68 ug/L
RT: 14.129 min Scan# 1691
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:180 Resp: 118786

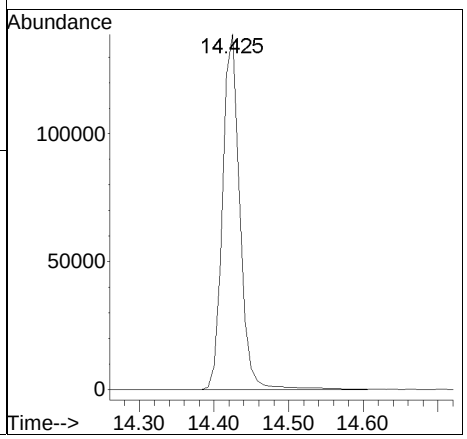
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.7	115.1
145	30.3	26.5	39.7

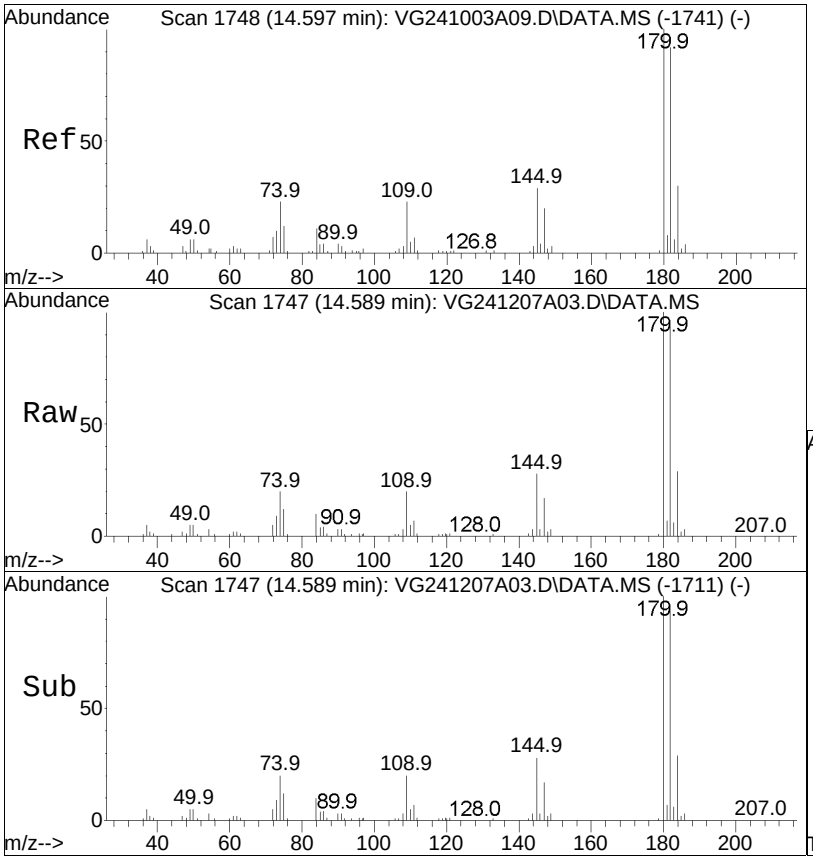




#110
Naphthalene
Concen: 8.59 ug/L
RT: 14.425 min Scan# 1727
Delta R.T. -0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:128 Resp: 223121

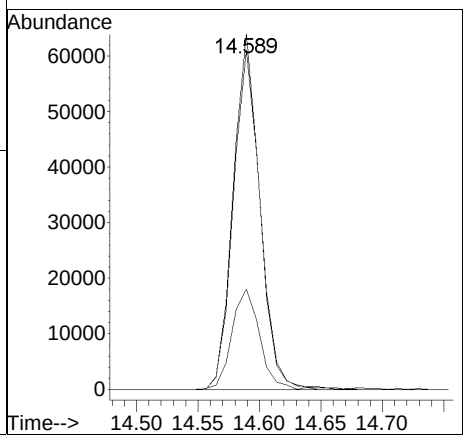




#111
1,2,3-Trichlorobenzene
Concen: 9.34 ug/L
RT: 14.589 min Scan# 1747
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:180 Resp: 95824

Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.0	115.4
145	29.4	24.1	36.1

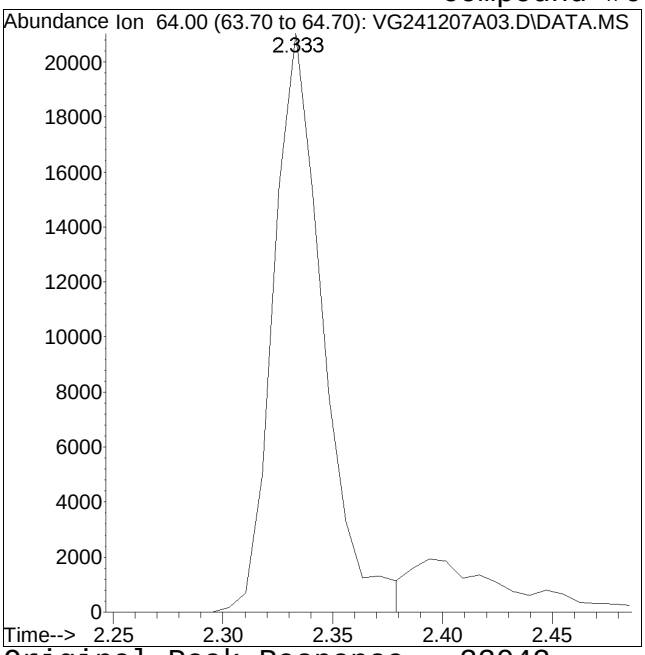


Manual Integration Report

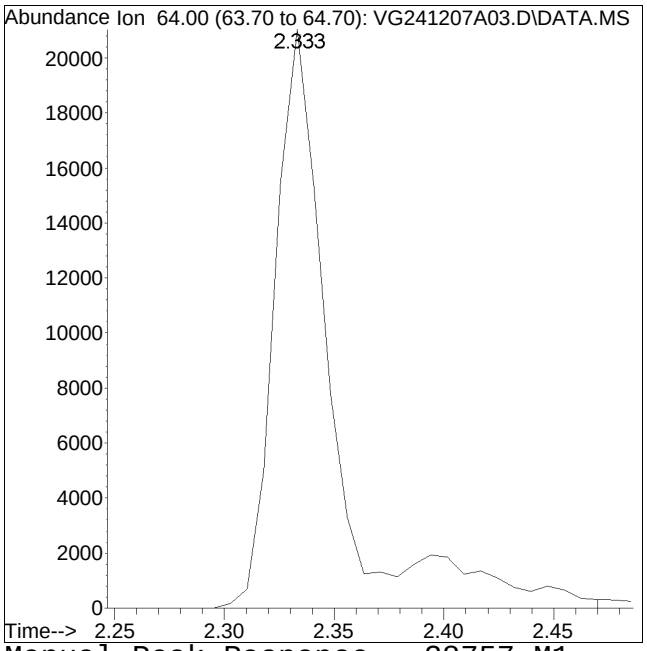
Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A03.D
Date Inj'd : 12/7/2024 1:07 pm
Sample : WG2006732-11,31,10,10

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:33 pm

Compound #6: Chloroethane



Original Peak Response = 33042



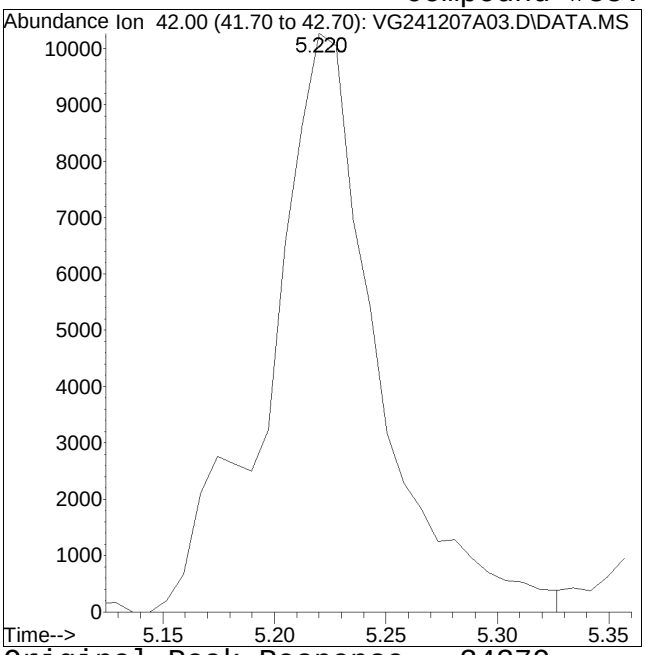
Manual Peak Response = 38757 M1

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

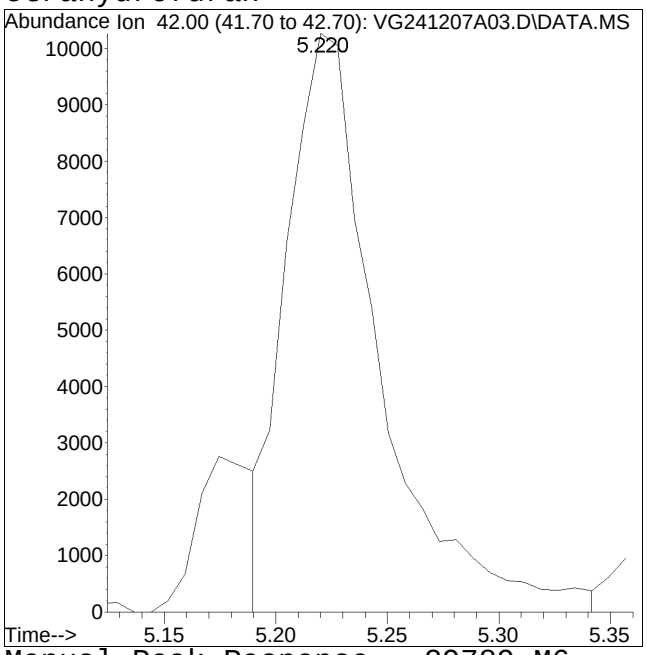
Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A03.D	Operator	: GONZO:LAC
Date Inj'd	: 12/7/2024 1:07 pm	Instrument	: Gonzo
Sample	: WG2006732-11,31,10,10	Quant Date	: 12/7/2024 1:33 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 34379



Manual Peak Response = 29789 M6

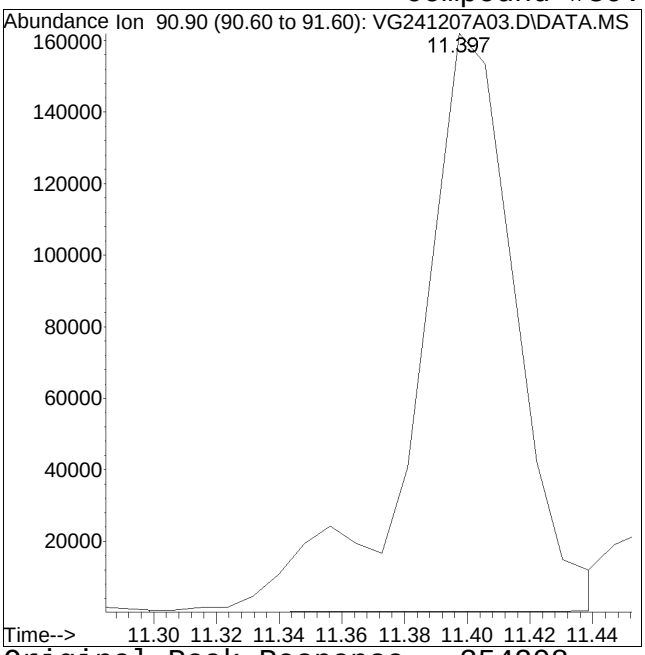
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

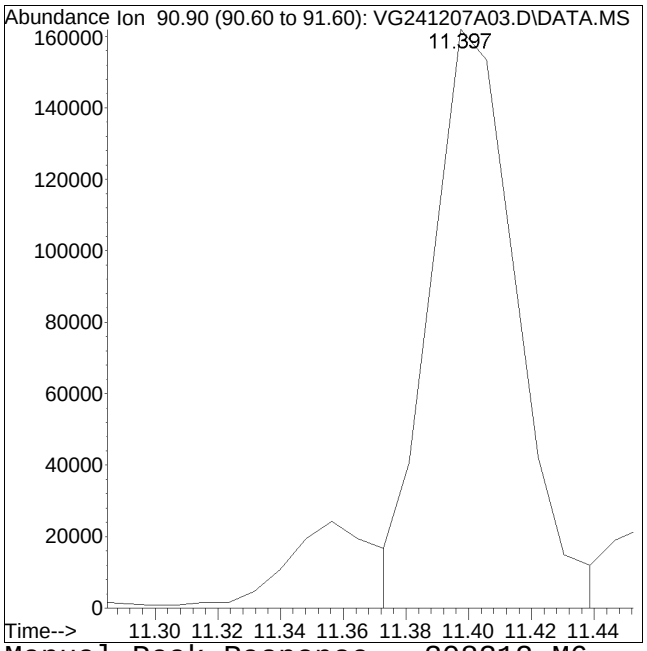
Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A03.D
Date Inj'd : 12/7/2024 1:07 pm
Sample : WG2006732-11,31,10,10

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:33 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 354208



Manual Peak Response = 308312 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A03.D
Acq On : 7 Dec 2024 1:07 pm
Operator : GONZO:LAC
Sample : WG2006760-4,31,10,10
Misc : WG2006760,ICAL21571
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 13:34:23 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	476251	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 101.70%			
59) Chlorobenzene-d5	9.596	117	368860	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 101.61%			
79) 1,4-Dichlorobenzene-d4	12.286	152	218618	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 103.15%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.243	113	124093	10.449	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.49%			
43) 1,2-Dichloroethane-d4	5.775	65	147270	10.763	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.63%			
60) Toluene-d8	7.743	98	475626	9.750	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.50%			
83) 4-Bromofluorobenzene	11.085	95	180138	9.402	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.657	85	85676	8.467	ug/L	99
3) Chloromethane	1.870	50	99169	9.040	ug/L	97
4) Vinyl chloride	1.923	62	84478	7.727	ug/L	100
5) Bromomethane	2.234	94	19267	3.057	ug/L	93
6) Chloroethane	2.333	64	38757M1	6.182	ug/L	
7) Trichlorofluoromethane	2.485	101	134083	9.199	ug/L	99
8) Ethyl ether	2.789	74	42901	8.085	ug/L #	69
10) 1,1-Dichloroethene	2.986	96	76949	9.163	ug/L	84
11) Carbon disulfide	3.017	76	225659	8.846	ug/L	100
15) Methylene chloride	3.549	84	88990	8.814	ug/L #	71
17) Acetone	3.594	43	24484	9.383	ug/L	98
18) trans-1,2-Dichloroethene	3.701	96	85521	9.395	ug/L	84
20) Methyl tert-butyl ether	3.784	73	239362	7.775	ug/L #	86
23) 1,1-Dichloroethane	4.286	63	178268	10.111	ug/L	98
25) Acrylonitrile	4.339	53	29951	9.201	ug/L	93
27) Vinyl acetate	4.514	43	225353	9.120	ug/L	96
28) cis-1,2-Dichloroethene	4.802	96	97108	9.215	ug/L	90
29) 2,2-Dichloropropane	4.901	77	133570	11.396	ug/L	96
30) Bromochloromethane	5.000	128	45108	9.408	ug/L #	75
32) Chloroform	5.068	83	158031	9.258	ug/L	98

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A03.D
Acq On : 7 Dec 2024 1:07 pm
Operator : GONZO:LAC
Sample : WG2006760-4,31,10,10
Misc : WG2006760,ICAL21571
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 13:34:23 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.197	117	128284	9.859	ug/L		99
37) 1,1,1-Trichloroethane	5.266	97	144376	9.589	ug/L		96
39) 2-Butanone	5.364	43	51017	12.819	ug/L	#	64
40) 1,1-Dichloropropene	5.387	75	120123	9.508	ug/L		98
41) Benzene	5.630	78	373422	9.507	ug/L	#	92
44) 1,2-Dichloroethane	5.843	62	126618	9.517	ug/L		98
48) Trichloroethene	6.231	95	97050	9.205	ug/L		97
50) Dibromomethane	6.679	93	54085	9.013	ug/L		96
51) 1,2-Dichloropropane	6.777	63	100095	9.823	ug/L		96
54) Bromodichloromethane	6.853	83	122460	8.908	ug/L		98
57) 1,4-Dioxane	7.056	88	43364	423.404	ug/L	#	75
58) cis-1,3-Dichloropropene	7.543	75	144002	9.246	ug/L		92
61) Toluene	7.801	92	236563	9.215	ug/L		97
62) 4-Methyl-2-pentanone	8.245	58	31382	8.729	ug/L	#	89
63) Tetrachloroethene	8.252	166	109397	9.852	ug/L		97
65) trans-1,3-Dichloropropene	8.295	75	128302	8.573	ug/L		99
68) 1,1,2-Trichloroethane	8.481	83	62963	8.064	ug/L		96
69) Chlorodibromomethane	8.689	129	95991	8.888	ug/L		98
70) 1,3-Dichloropropane	8.803	76	135758	8.757	ug/L		99
71) 1,2-Dibromoethane	8.968	107	77677	8.407	ug/L		100
72) 2-Hexanone	9.255	43	56554	8.792	ug/L		94
73) Chlorobenzene	9.612	112	265202	9.615	ug/L		99
74) Ethylbenzene	9.645	91	447988	9.082	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.695	131	93210	8.817	ug/L		100
76) p/m Xylene	9.834	106	344901	18.378	ug/L		94
77) o Xylene	10.377	106	335294	18.448	ug/L		94
78) Styrene	10.443	104	559120	18.075	ug/L		97
80) Bromoform	10.476	173	67089	8.538	ug/L		98
82) Isopropylbenzene	10.748	105	419107	8.672	ug/L		100
84) Bromobenzene	11.192	156	125887	9.624	ug/L		99
85) n-Propylbenzene	11.233	91	494929	8.794	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.332	83	100858	8.244	ug/L		99
88) 4-Ethyltoluene	11.356	105	409960	8.898	ug/L		100
89) 2-Chlorotoluene	11.397	91	308312M6	8.982	ug/L		
90) 1,3,5-Trimethylbenzene	11.455	105	357418	8.760	ug/L		99
91) 1,2,3-Trichloropropane	11.463	75	79926	7.998	ug/L		95
92) trans-1,4-Dichloro-2-b...	11.521	53	28852	7.159	ug/L	#	92
93) 4-Chlorotoluene	11.587	91	324017	8.969	ug/L		98
94) tert-Butylbenzene	11.792	119	301265	9.362	ug/L		97

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A03.D
Acq On : 7 Dec 2024 1:07 pm
Operator : GONZO:LAC
Sample : WG2006760-4,31,10,10
Misc : WG2006760,ICAL21571
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 13:34:23 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.875	105	349975	8.791	ug/L	99
98)	sec-Butylbenzene	11.982	105	405275	8.732	ug/L	99
99)	p-Isopropyltoluene	12.138	119	365444	9.284	ug/L	99
100)	1,3-Dichlorobenzene	12.212	146	224827	9.435	ug/L	99
101)	1,4-Dichlorobenzene	12.302	146	229524	9.274	ug/L	99
102)	p-Diethylbenzene	12.508	119	197760	8.955	ug/L	98
103)	n-Butylbenzene	12.566	91	277446	8.753	ug/L	99
104)	1,2-Dichlorobenzene	12.722	146	210342	9.156	ug/L	100
105)	1,2,4,5-Tetramethylben...	13.298	119	283219	9.119	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.503	155	17338	8.506	ug/L	94
108)	Hexachlorobutadiene	14.096	225	50735	10.930	ug/L	99
109)	1,2,4-Trichlorobenzene	14.129	180	118786	9.683	ug/L	99
110)	Naphthalene	14.425	128	223121	8.588	ug/L	100
111)	1,2,3-Trichlorobenzene	14.589	180	95824	9.338	ug/L	99

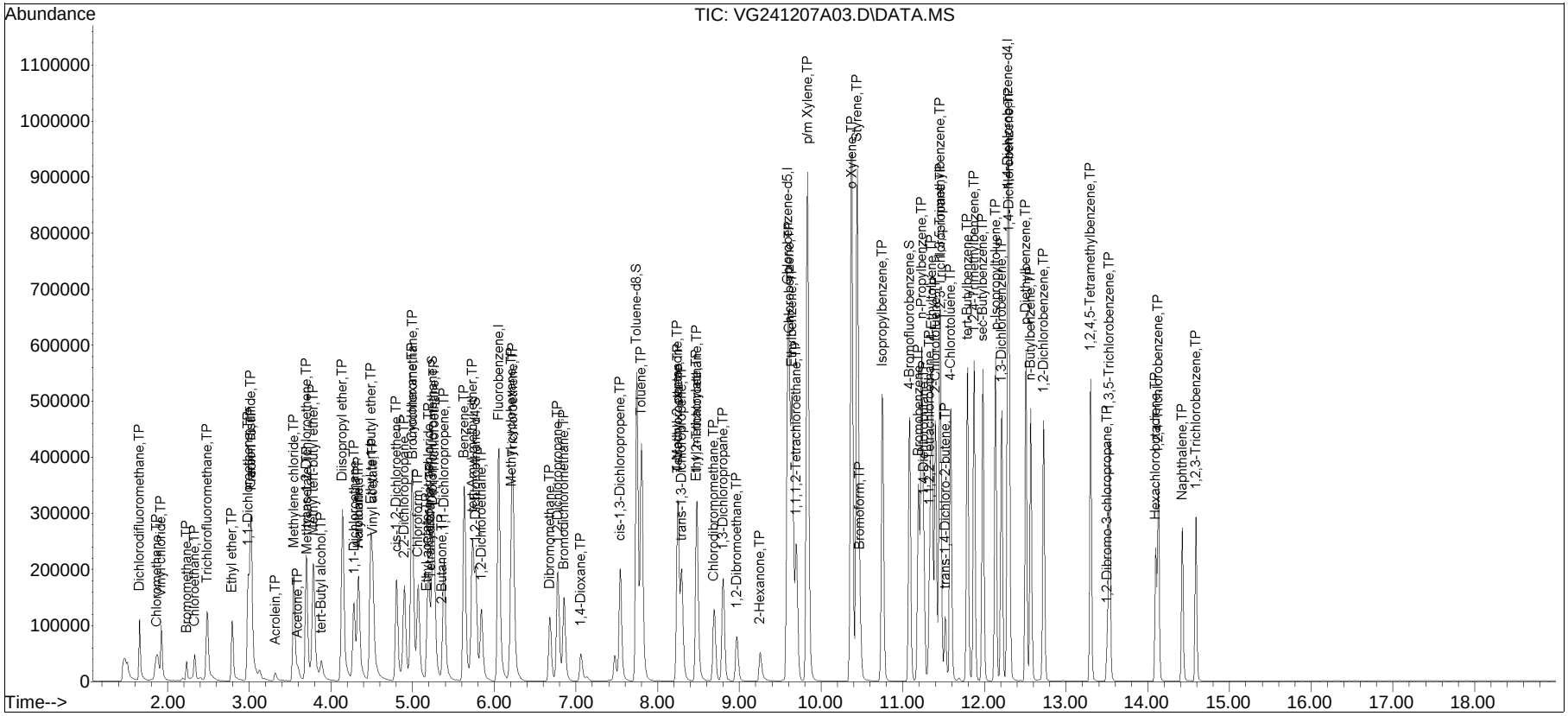
(#) = qualifier out of range (m) = manual integration (+) = signals summed

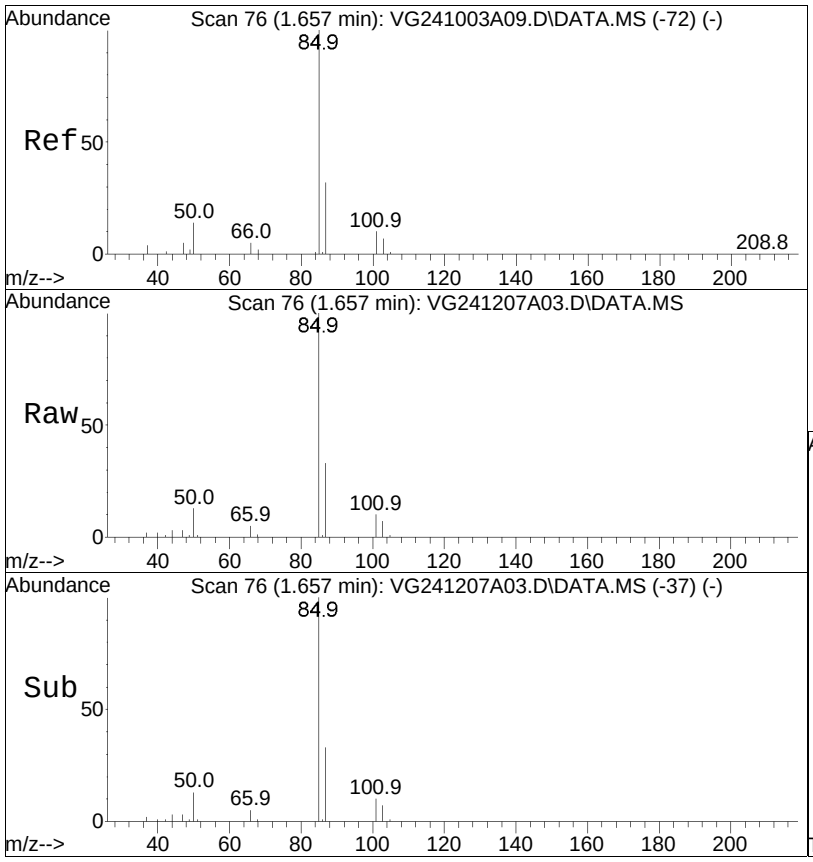
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A03.D
Acq On : 7 Dec 2024 1:07 pm
Operator : GONZO:LAC
Sample : WG2006760-4,31,10,10
Misc : WG2006760,ICAL21571
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 07 13:34:23 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

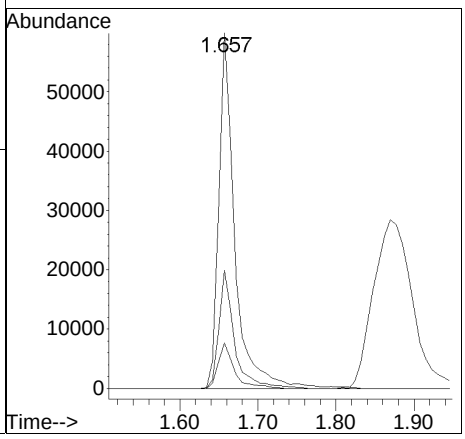


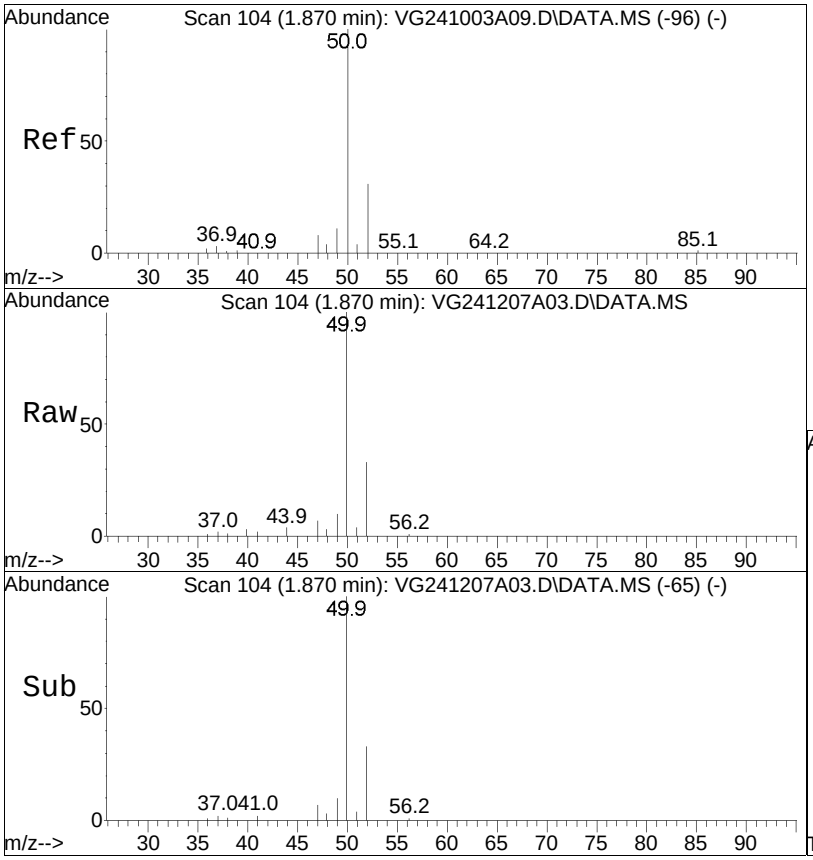


#2
Dichlorodifluoromethane
Concen: 8.47 ug/L
RT: 1.657 min Scan# 76
Delta R.T. 0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 85 Resp: 85676

Ion	Ratio	Lower	Upper
85	100		
87	31.9	20.7	42.9
50	12.7	7.5	15.5

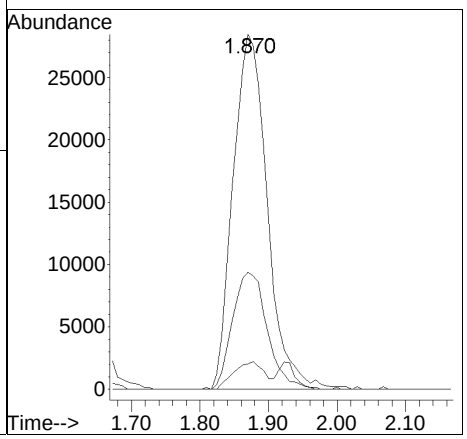


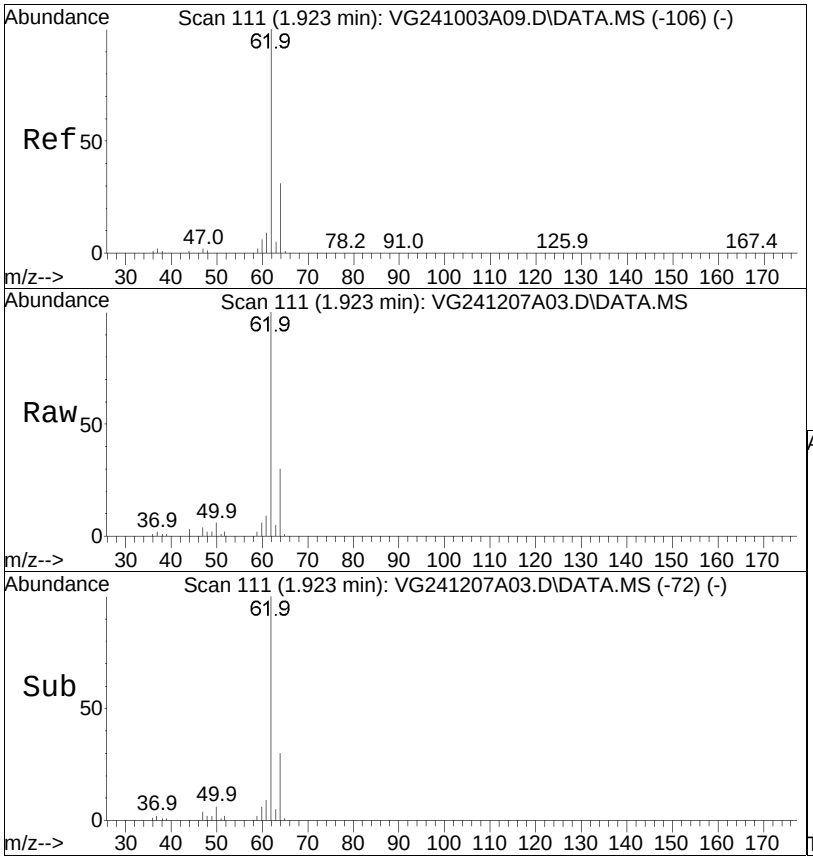


#3
Chloromethane
Concen: 9.04 ug/L
RT: 1.870 min Scan# 104
Delta R.T. -0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 50 Resp: 99169

Ion	Ratio	Lower	Upper
50	100		
52	33.2	11.7	51.7
47	7.2	0.0	28.0

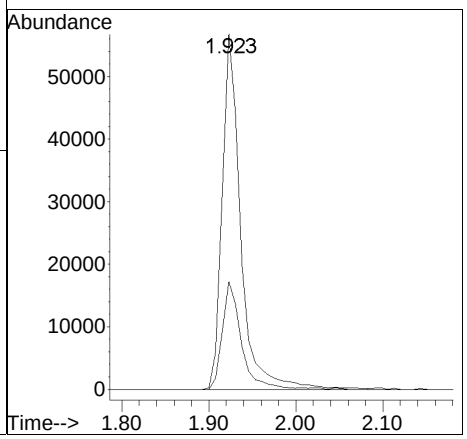


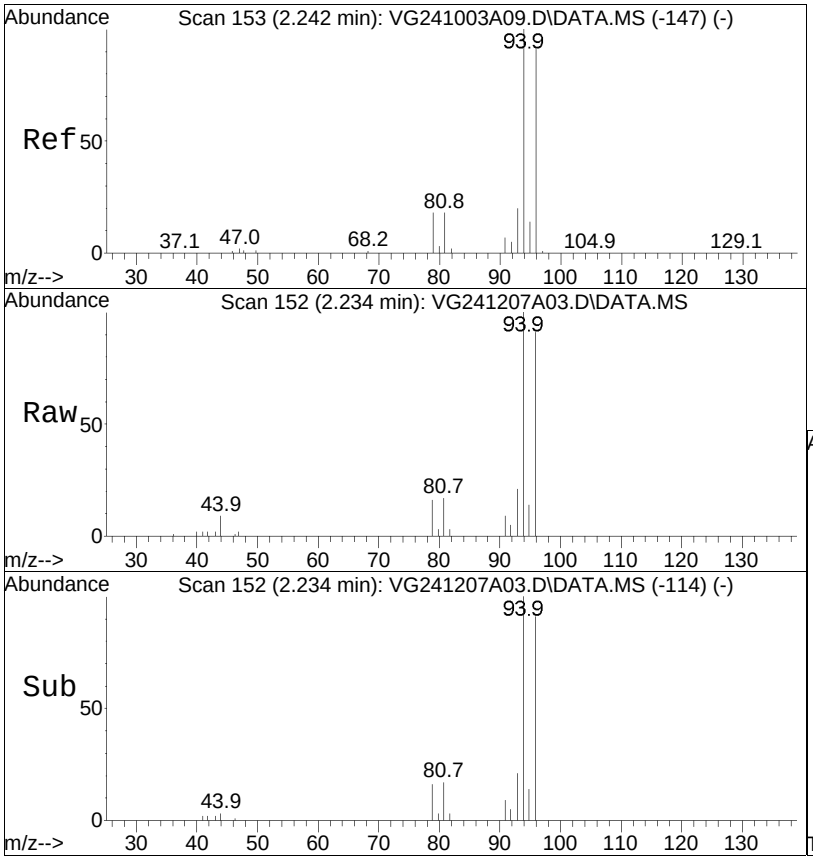


#4
Vinyl chloride
Concen: 7.73 ug/L
RT: 1.923 min Scan# 111
Delta R.T. -0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 62 Resp: 84478

Ion	Ratio	Lower	Upper
62	100		
64	31.1	11.3	51.3

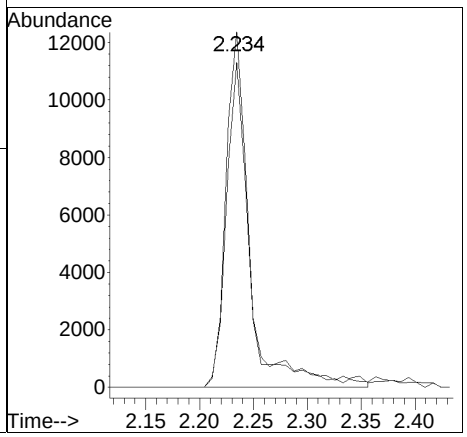


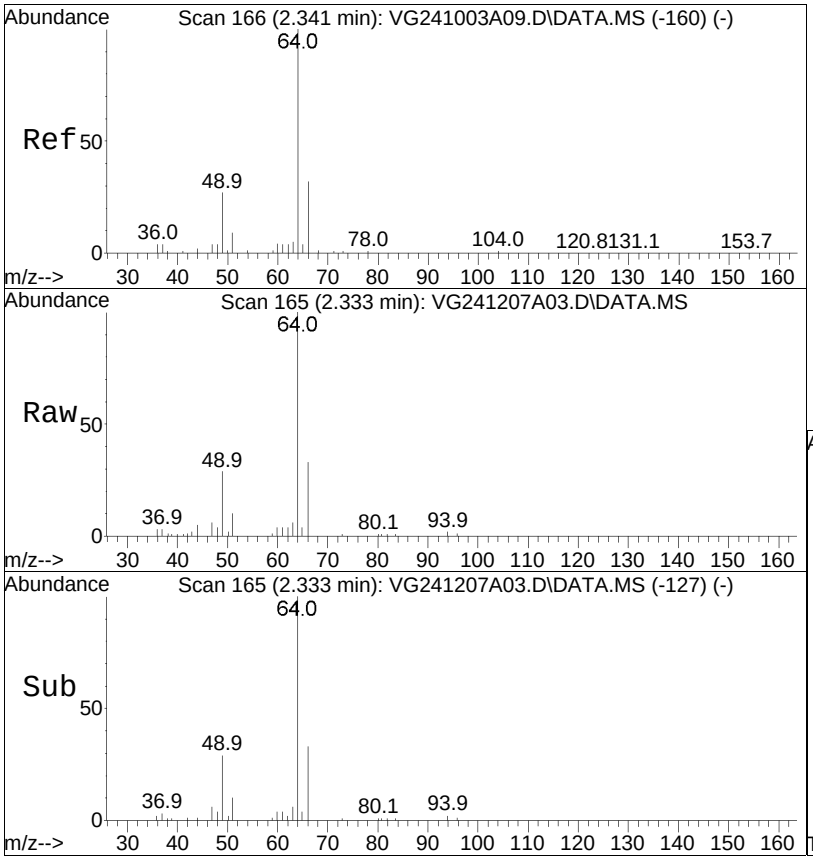


#5
Bromomethane
Concen: 3.06 ug/L
RT: 2.234 min Scan# 152
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 94 Resp: 19267

Ion	Ratio	Lower	Upper
94	100		
96	88.6	75.2	115.2

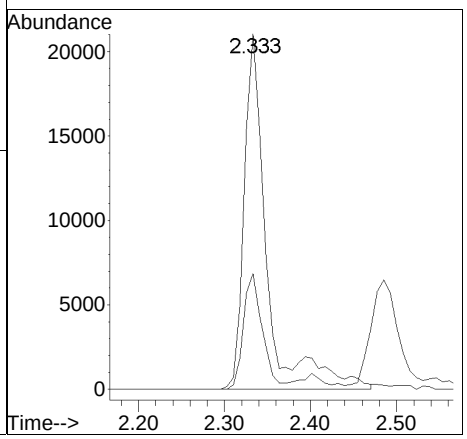


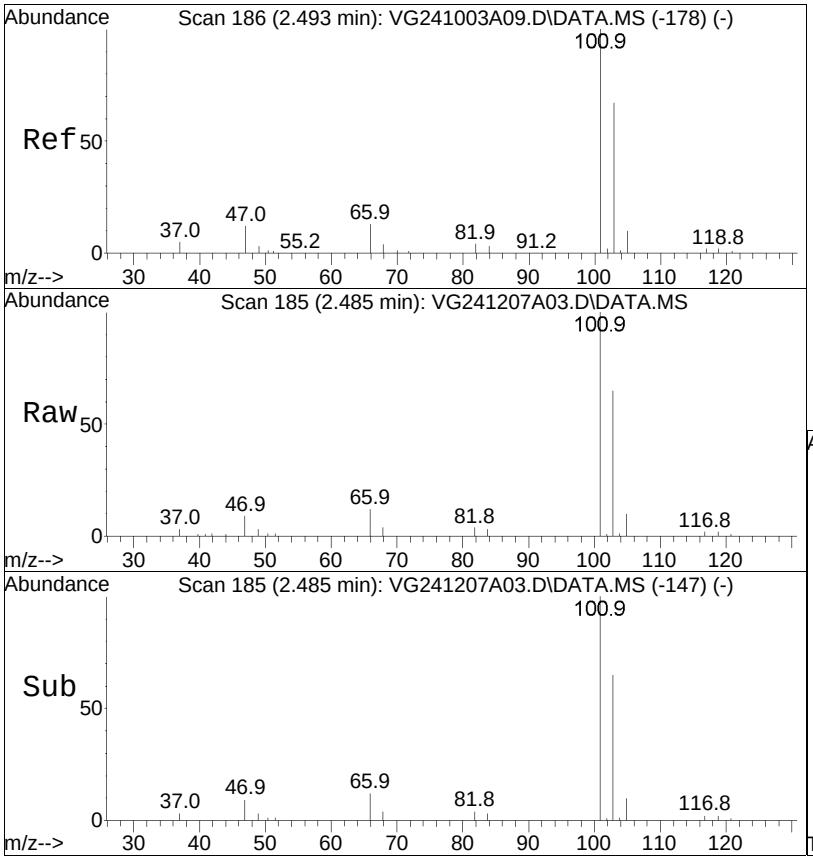


#6
Chloroethane
Concen: 6.18 ug/L M1
RT: 2.333 min Scan# 165
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 64 Resp: 38757

Ion	Ratio	Lower	Upper
64	100		
66	27.2	13.7	53.7

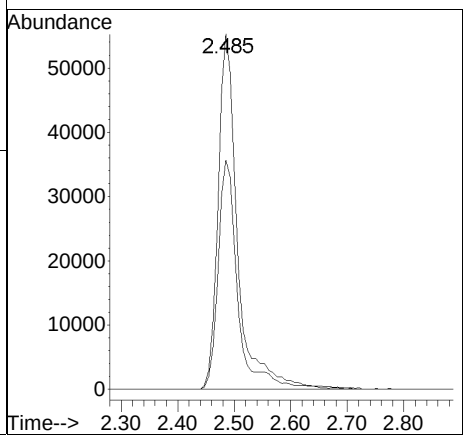


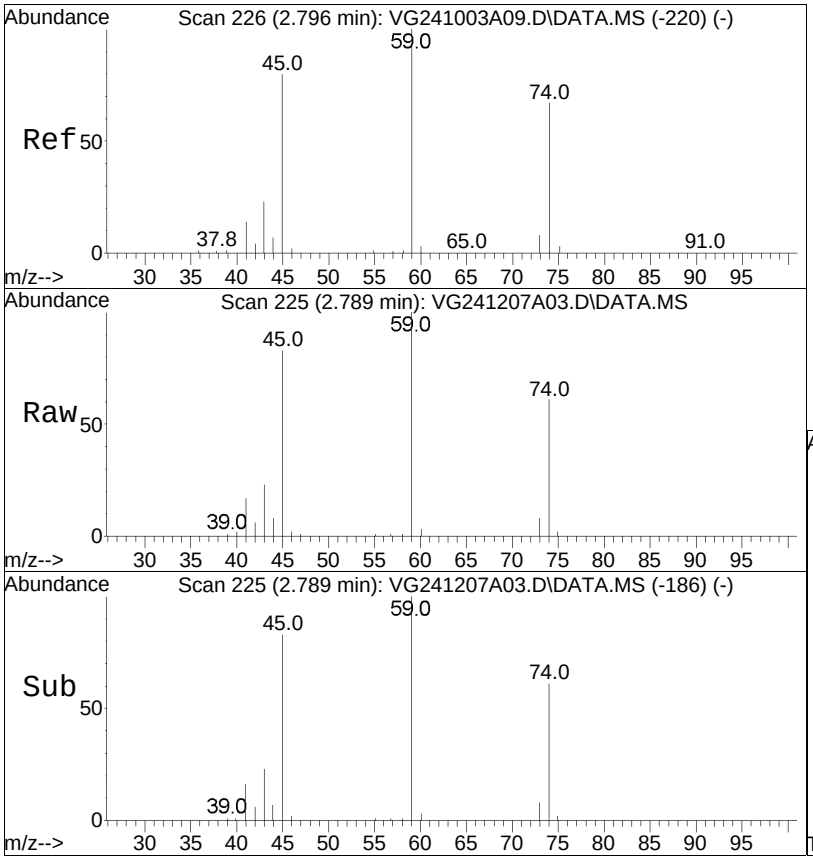


#7
Trichlorofluoromethane
Concen: 9.20 ug/L
RT: 2.485 min Scan# 185
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:101 Resp: 134083

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.2

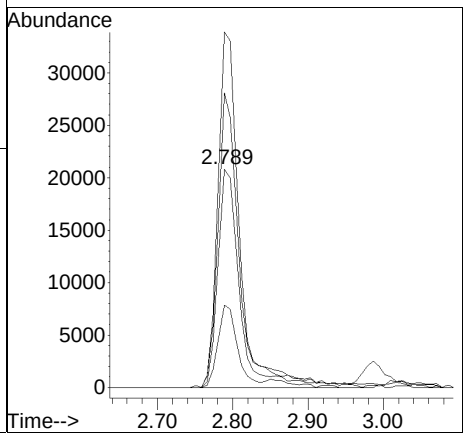


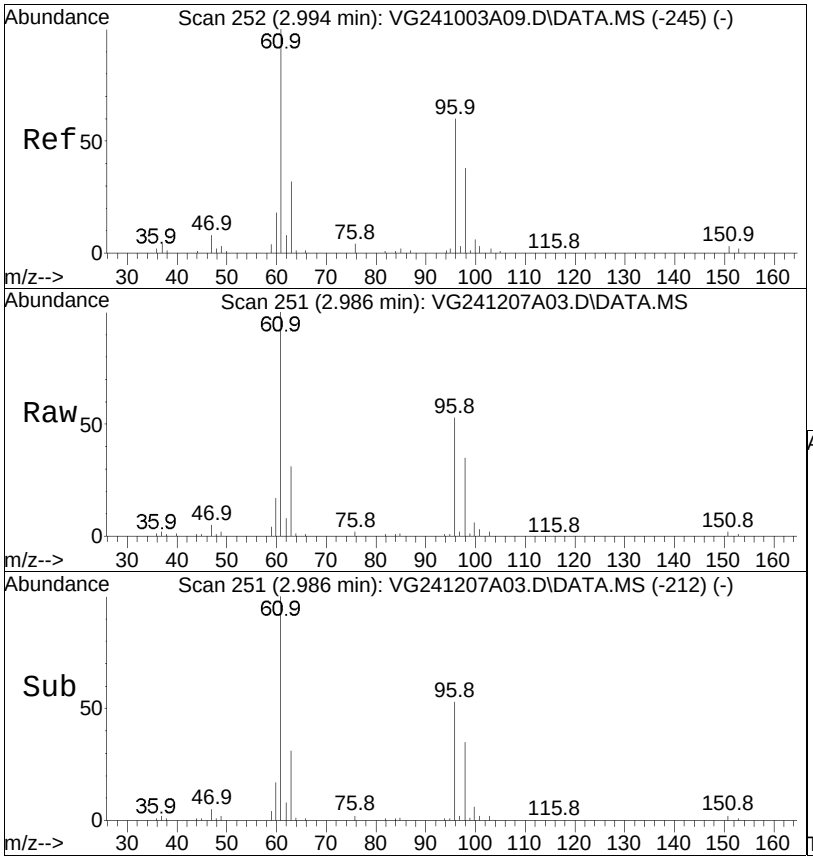


#8
Ethyl ether
Concen: 8.09 ug/L
RT: 2.789 min Scan# 225
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 74 Resp: 42901

Ion	Ratio	Lower	Upper
74	100		
59	160.1	83.5	173.3
45	131.7	59.7	123.9#
43	33.1	17.6	36.6

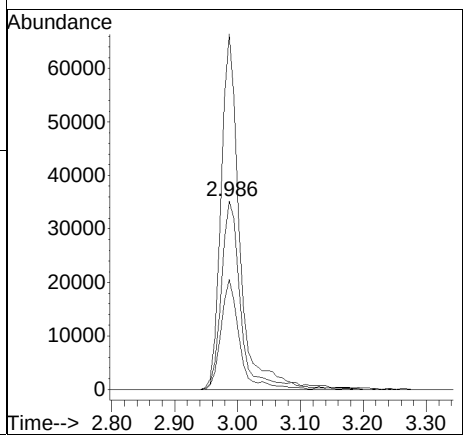


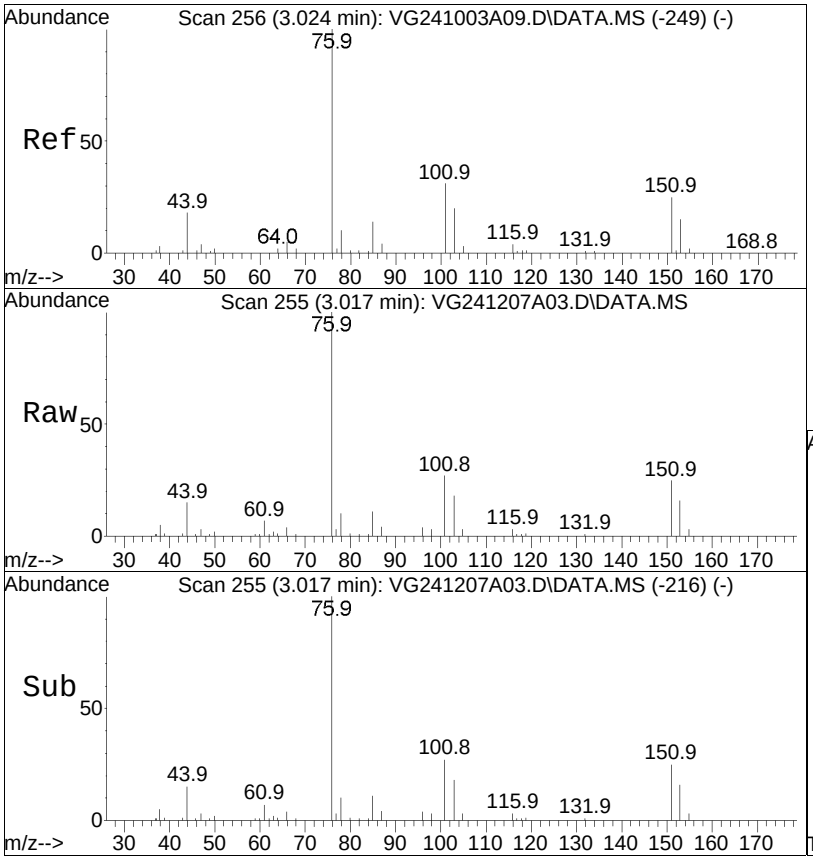


#10
1,1-Dichloroethene
Concen: 9.16 ug/L
RT: 2.986 min Scan# 251
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 96 Resp: 76949

Ion	Ratio	Lower	Upper
96	100		
61	180.2	124.2	186.4
63	54.9	40.0	60.0

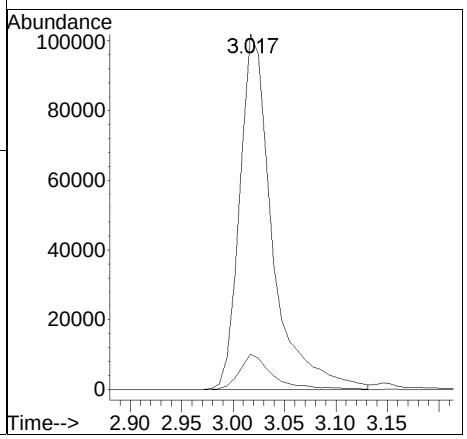


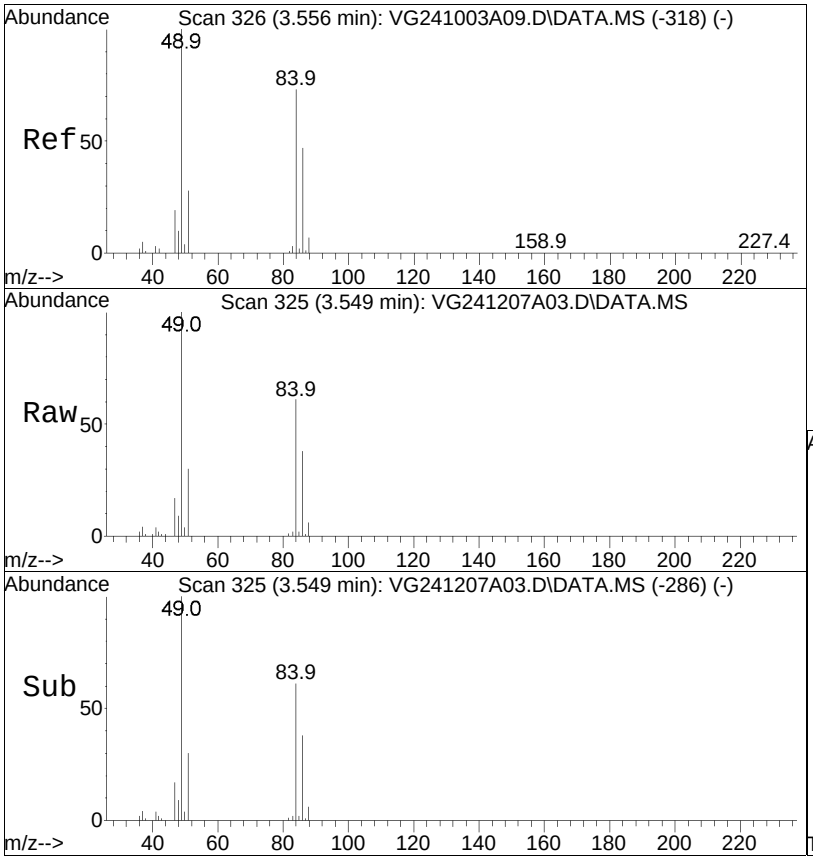


#11
Carbon disulfide
Concen: 8.85 ug/L
RT: 3.017 min Scan# 255
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 76 Resp: 225659

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.6	13.6

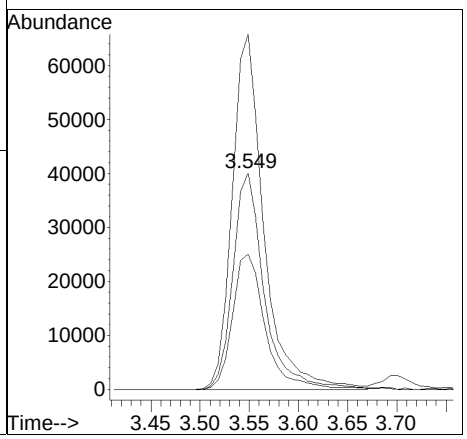


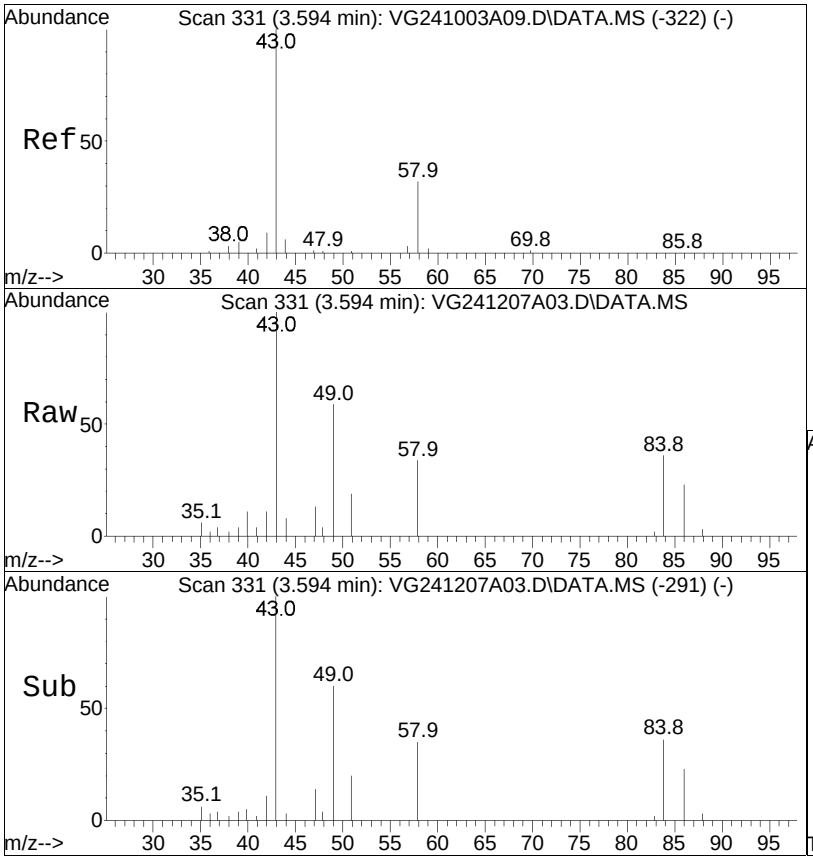


#15
Methylene chloride
Concen: 8.81 ug/L
RT: 3.549 min Scan# 325
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 84 Resp: 88990

Ion	Ratio	Lower	Upper
84	100		
86	65.8	41.1	85.5
49	164.8	76.2	158.2#

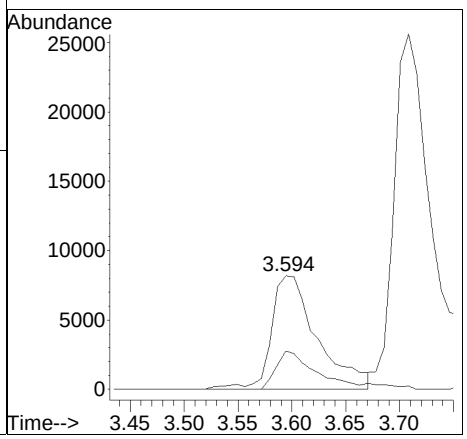


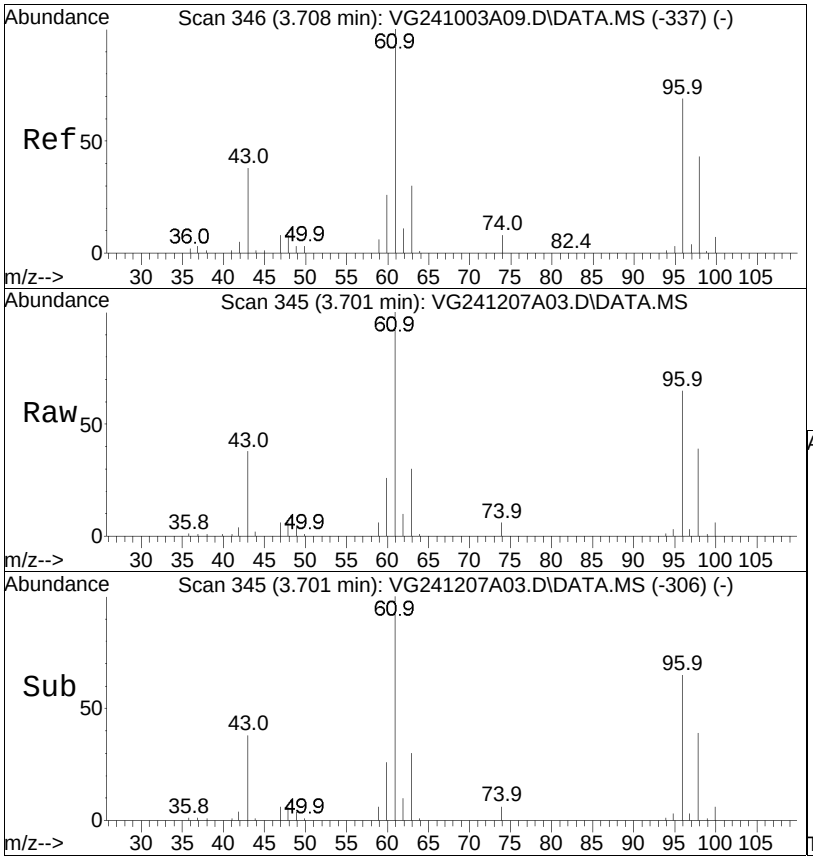


#17
Acetone
Concen: 9.38 ug/L
RT: 3.594 min Scan# 331
Delta R.T. 0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 43 Resp: 24484

Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.2	33.4

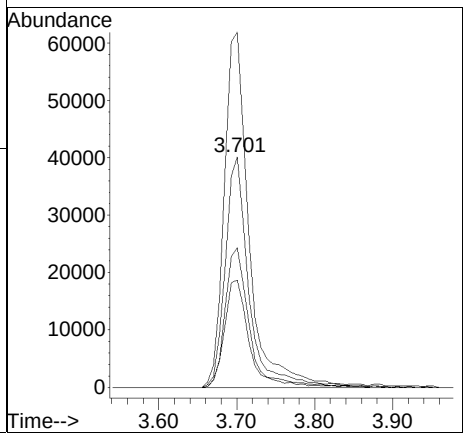


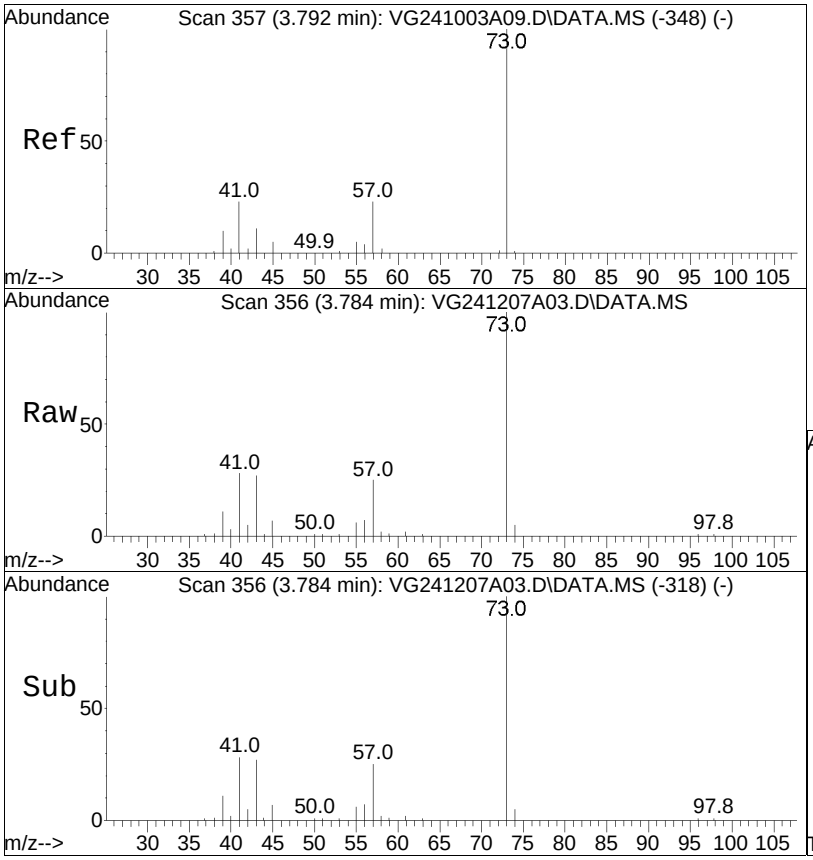


#18
trans-1,2-Dichloroethene
Concen: 9.39 ug/L
RT: 3.701 min Scan# 345
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 96 Resp: 85521

Ion	Ratio	Lower	Upper
96	100		
61	161.3	85.7	178.1
98	62.1	40.2	83.4
63	48.7	28.0	58.2

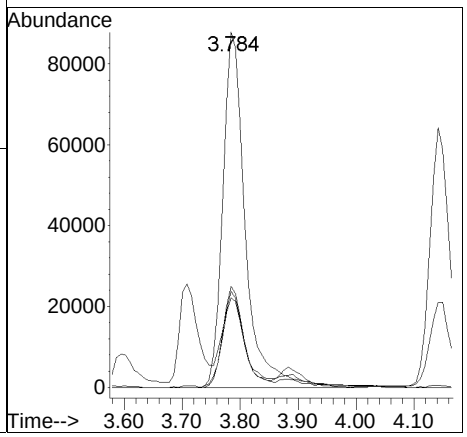


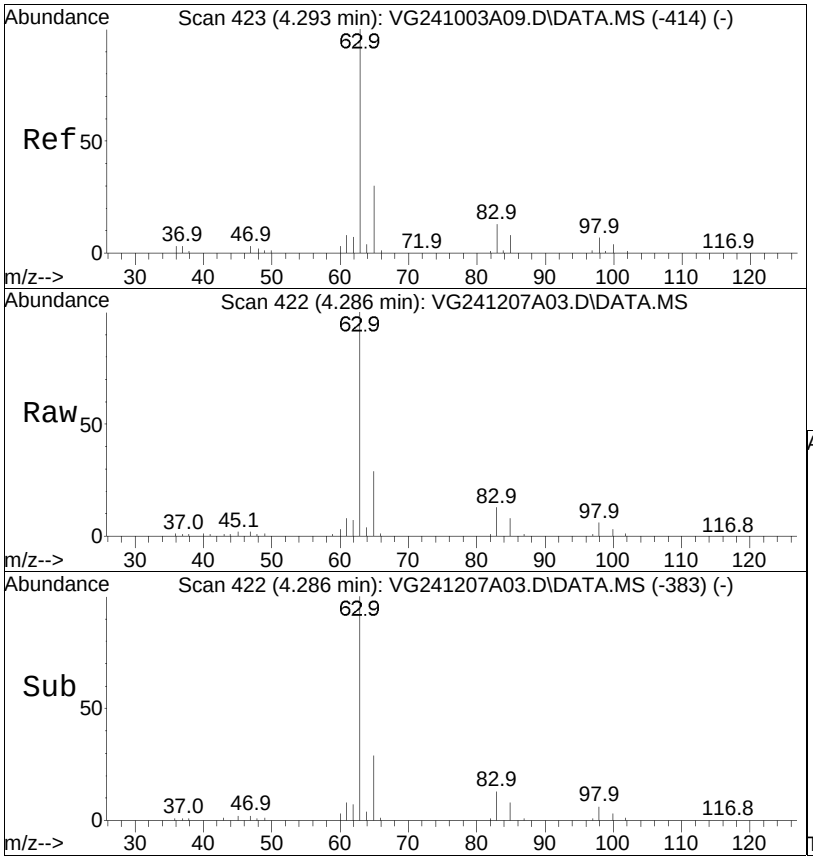


#20
Methyl tert-butyl ether
Concen: 7.78 ug/L
RT: 3.784 min Scan# 356
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 73 Resp: 239362

Ion	Ratio	Lower	Upper
73	100		
57	24.8	12.5	26.1
43	25.9	13.0	27.0
41	26.7	12.5	26.1#

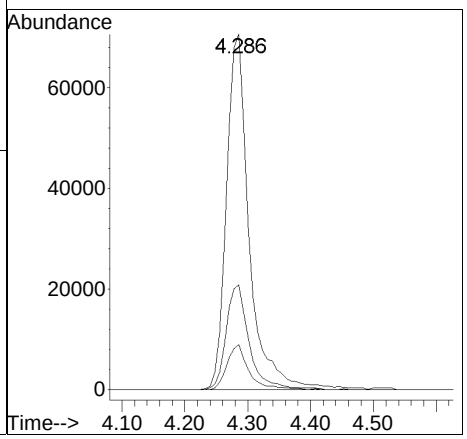


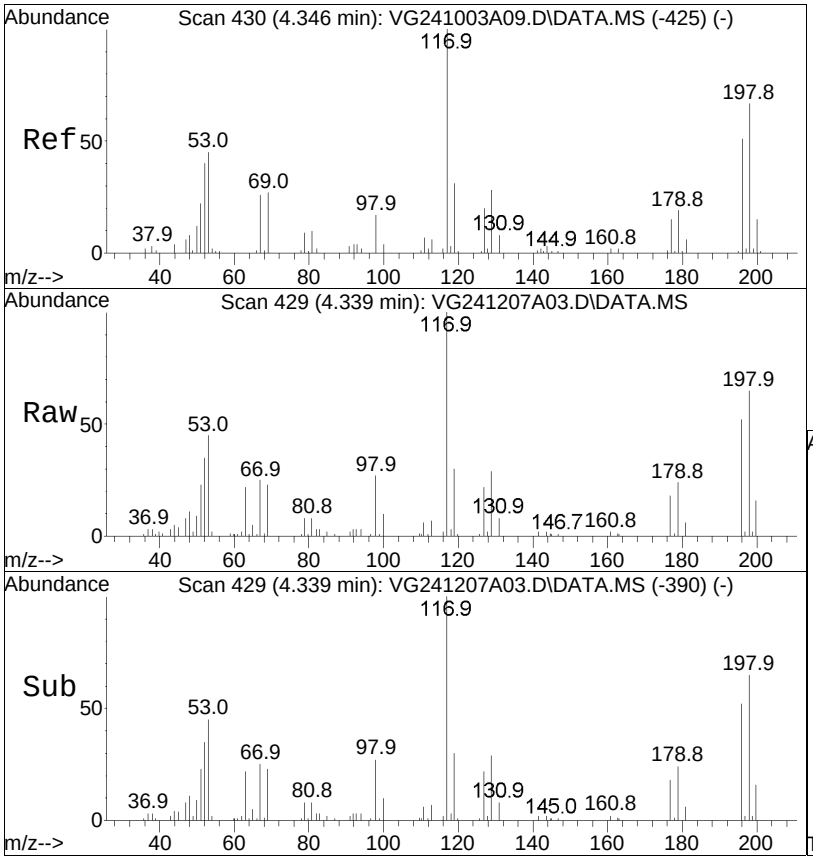


#23
1,1-Dichloroethane
Concen: 10.11 ug/L
RT: 4.286 min Scan# 422
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 63 Resp: 178268

Ion	Ratio	Lower	Upper
63	100		
65	29.6	10.4	50.4
83	11.9	0.0	33.2

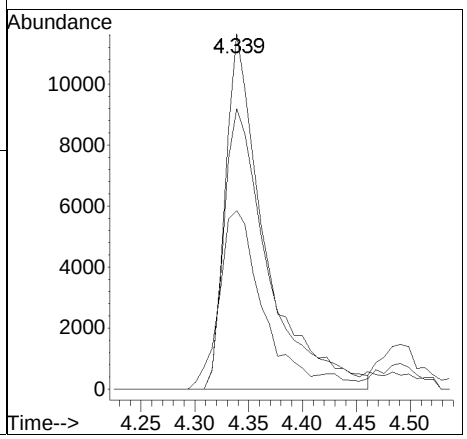


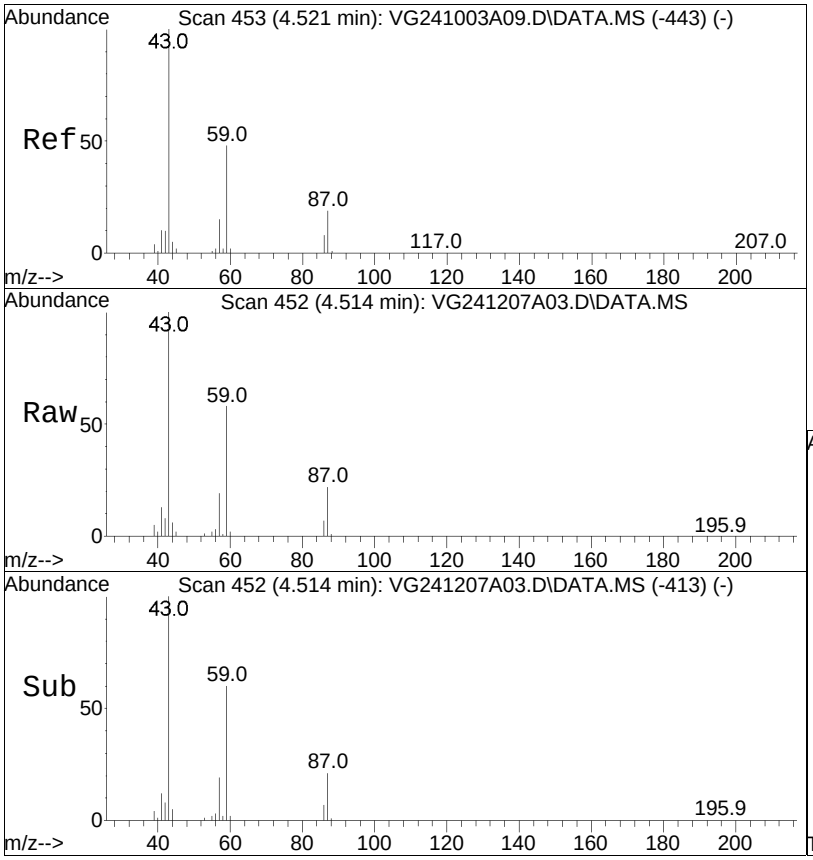


#25
Acrylonitrile
Concen: 9.20 ug/L
RT: 4.339 min Scan# 429
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 53 Resp: 29951

Ion	Ratio	Lower	Upper
53	100		
52	88.1	68.3	102.5
51	54.5	51.9	77.9

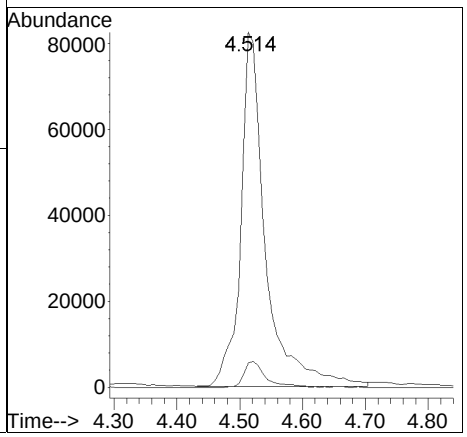


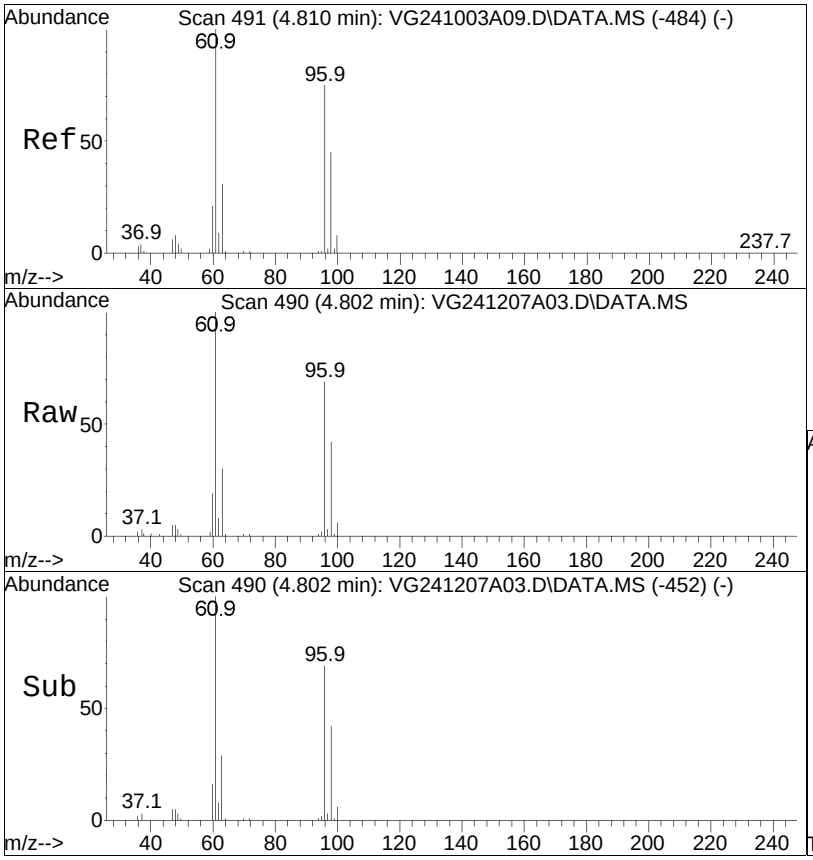


#27
Vinyl acetate
Concen: 9.12 ug/L
RT: 4.514 min Scan# 452
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 43 Resp: 225353

Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.3	9.5

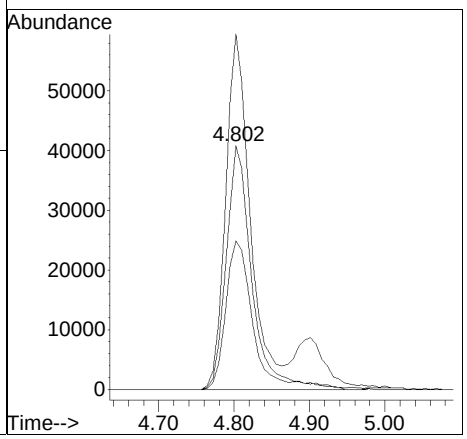


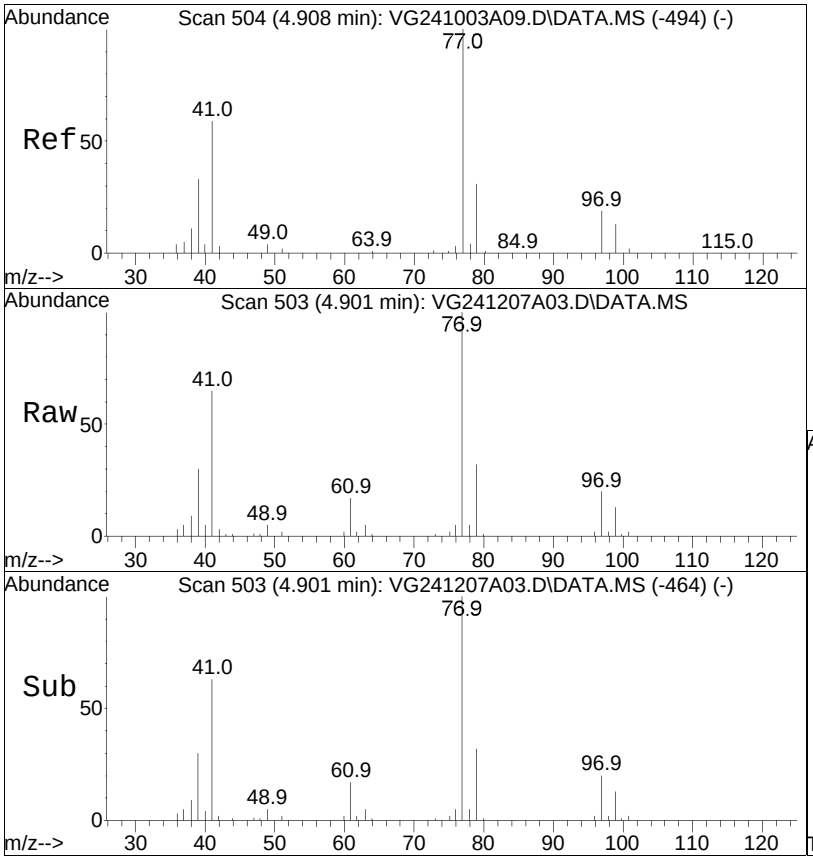


#28
cis-1,2-Dichloroethene
Concen: 9.22 ug/L
RT: 4.802 min Scan# 490
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 96 Resp: 97108

Ion	Ratio	Lower	Upper
96	100		
61	137.8	96.6	144.8
98	64.7	51.3	76.9

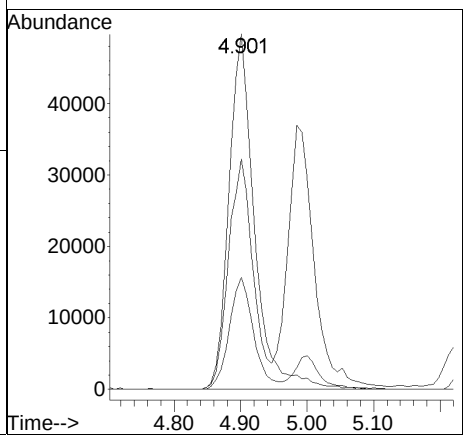


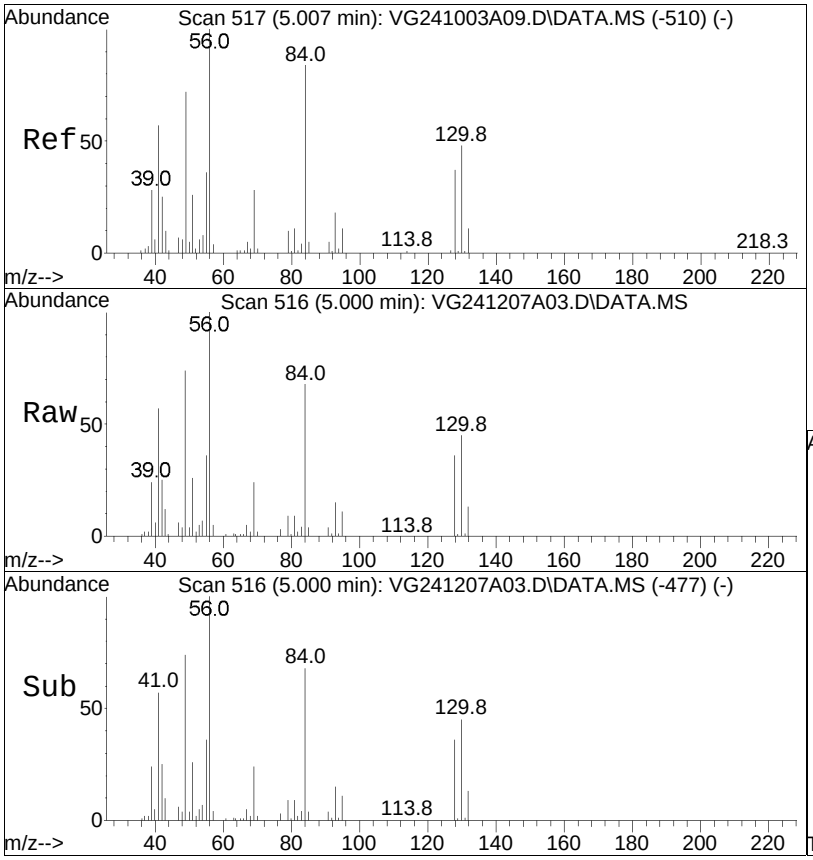


#29
2,2-Dichloropropane
Concen: 11.40 ug/L
RT: 4.901 min Scan# 503
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 77 Resp: 133570

Ion	Ratio	Lower	Upper
77	100		
41	62.2	38.1	79.1
79	30.0	20.6	42.8

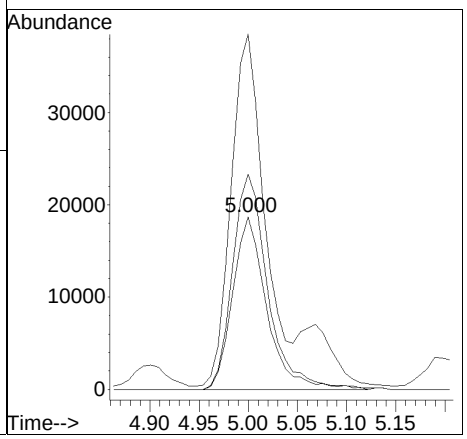


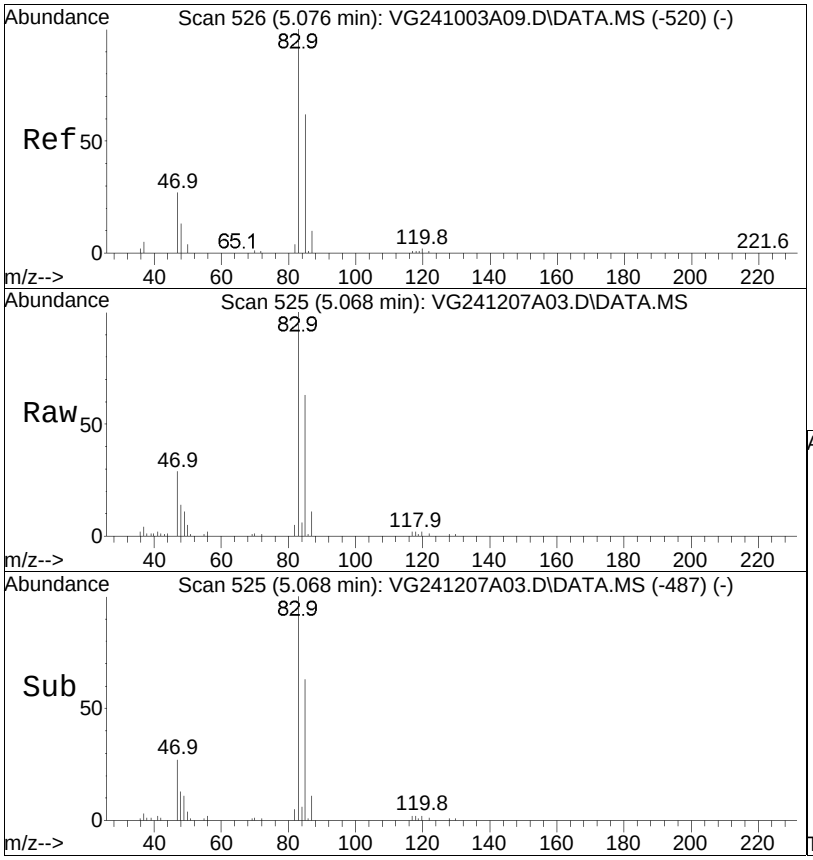


#30
Bromochloromethane
Concen: 9.41 ug/L
RT: 5.000 min Scan# 516
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:128 Resp: 45108

Ion	Ratio	Lower	Upper
128	100		
49	199.2	112.7	169.1#
130	129.1	103.3	154.9

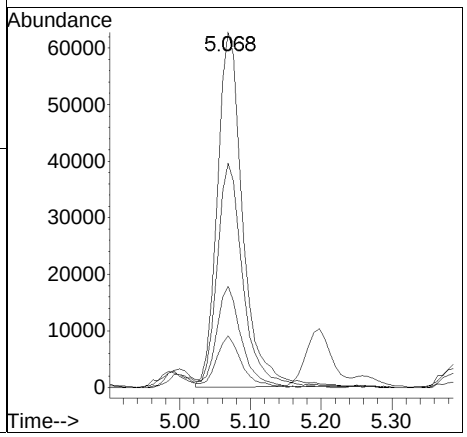


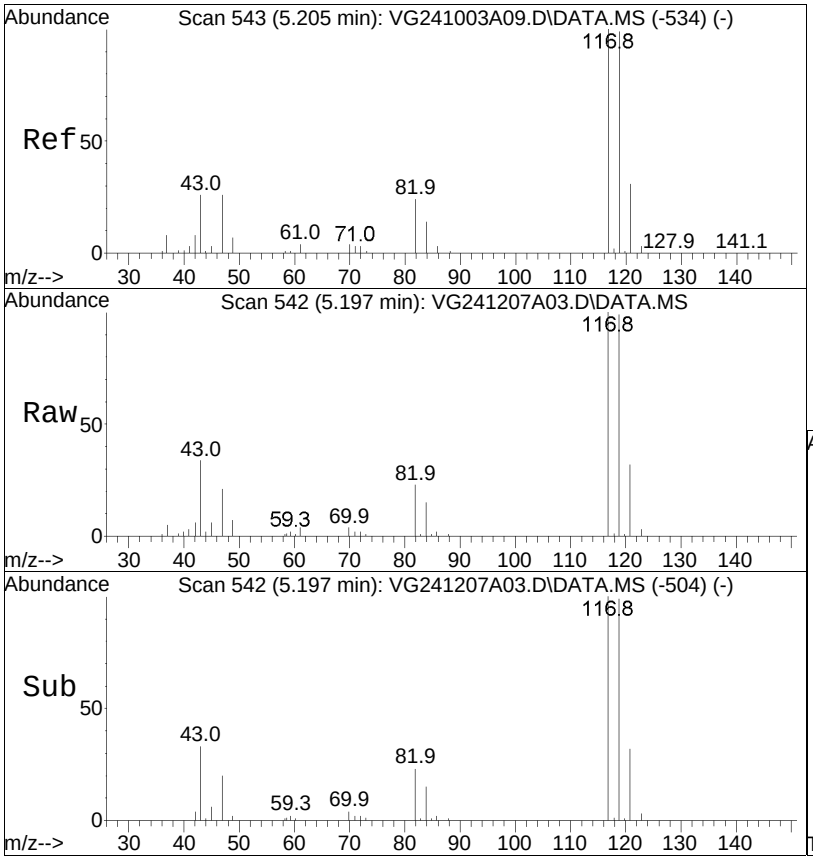


#32
Chloroform
Concen: 9.26 ug/L
RT: 5.068 min Scan# 525
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 83 Resp: 158031

Ion	Ratio	Lower	Upper
83	100		
85	63.4	41.4	86.0
47	25.8	15.1	31.3
48	14.4	7.7	16.1

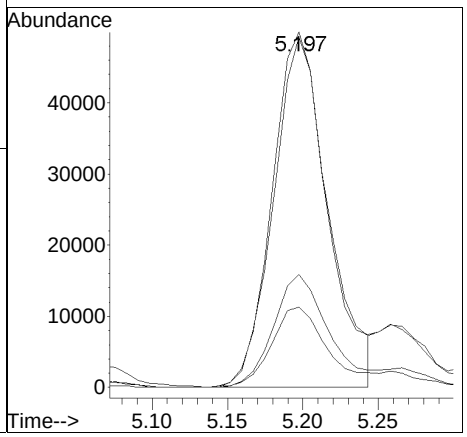


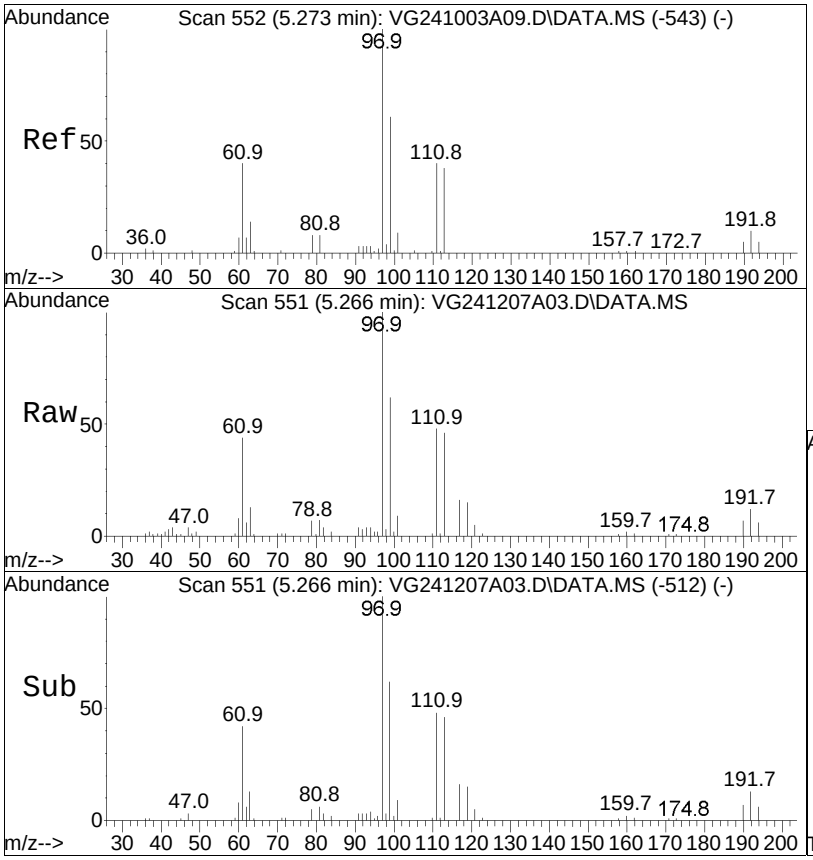


#34
Carbon tetrachloride
Concen: 9.86 ug/L
RT: 5.197 min Scan# 542
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:117 Resp: 128284

Ion	Ratio	Lower	Upper
117	100		
119	95.8	63.2	131.2
121	32.1	20.4	42.4
82	23.4	15.4	32.0

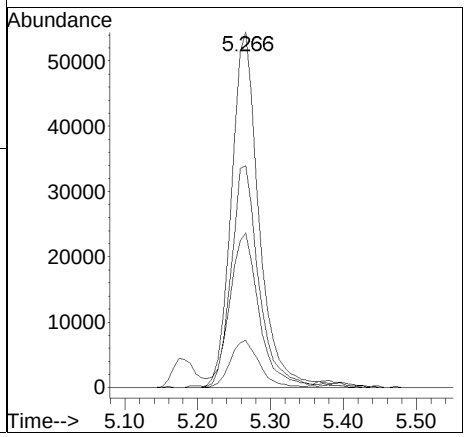


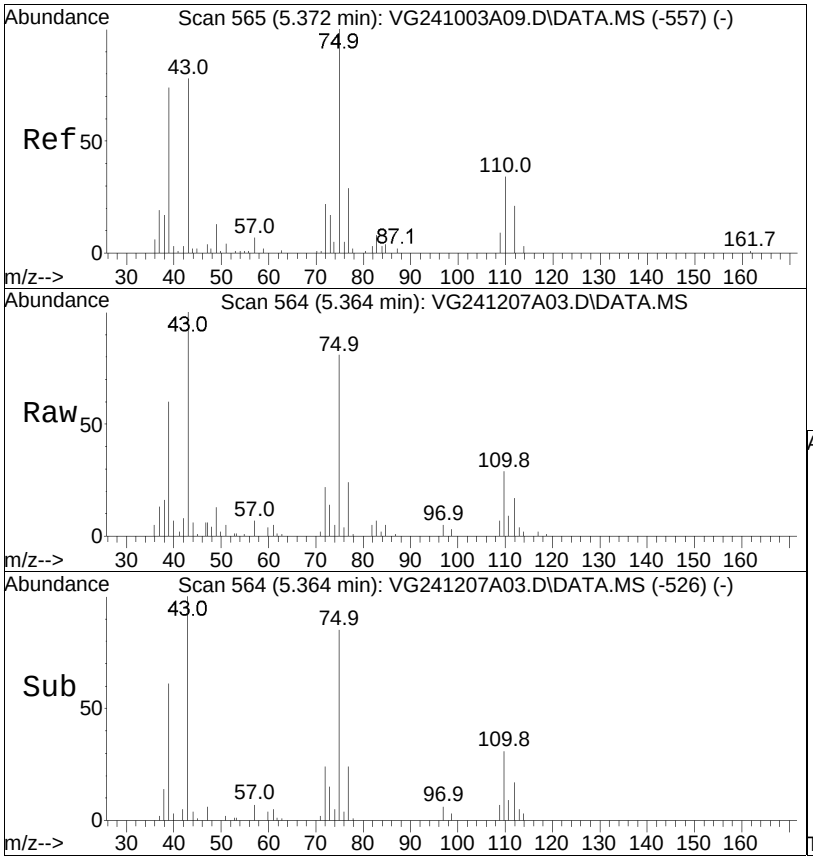


#37
1,1,1-Trichloroethane
Concen: 9.59 ug/L
RT: 5.266 min Scan# 551
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 97 Resp: 144376

Ion	Ratio	Lower	Upper
97	100		
99	62.2	41.3	85.7
61	46.1	26.0	54.0
63	13.8	8.6	18.0

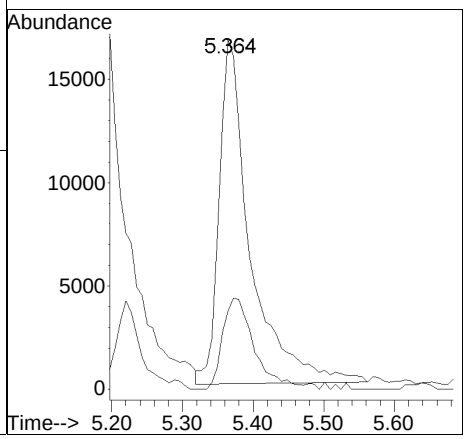


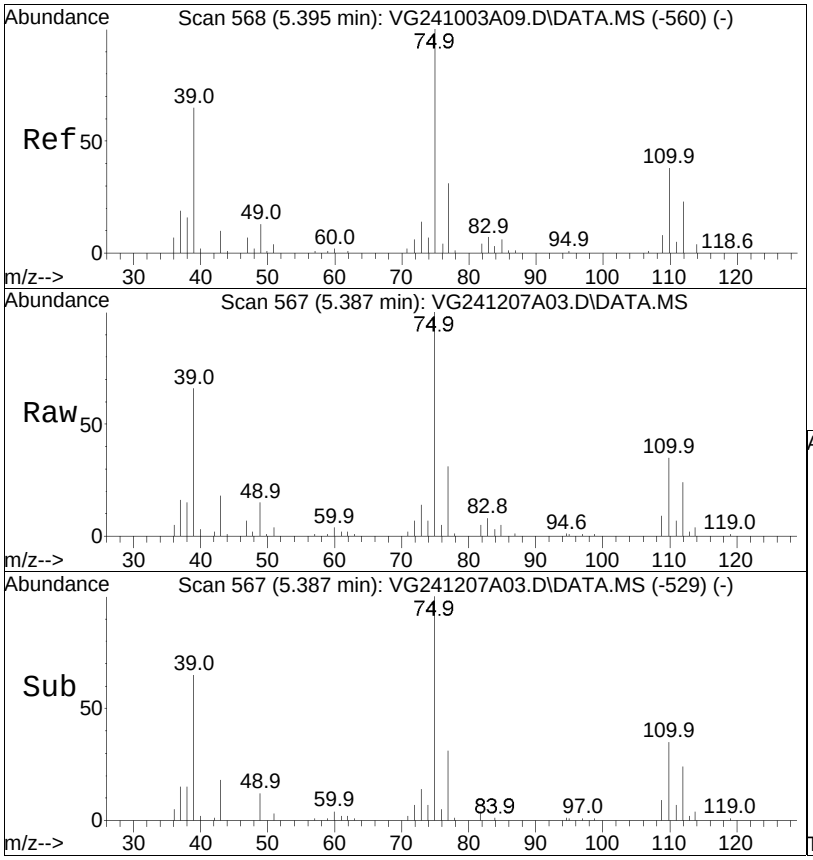


#39
2-Butanone
Concen: 12.82 ug/L
RT: 5.364 min Scan# 564
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 43 Resp: 51017

Ion	Ratio	Lower	Upper
43	100		
72	27.5	42.6	63.8#

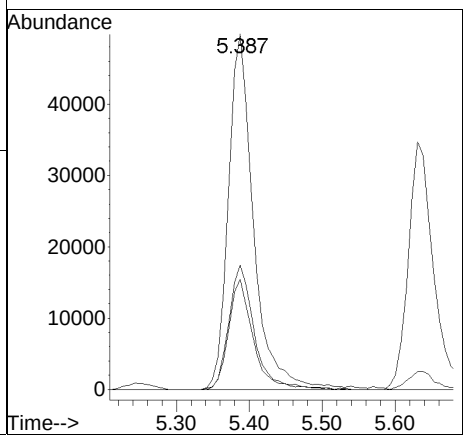


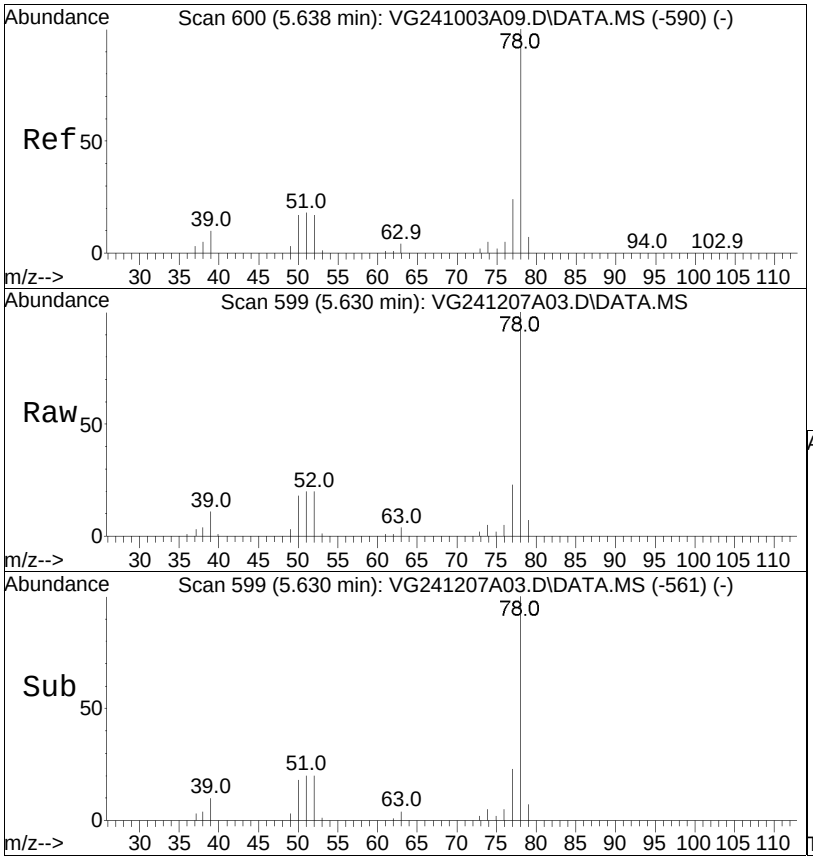


#40
1,1-Dichloropropene
Concen: 9.51 ug/L
RT: 5.387 min Scan# 567
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 75 Resp: 120123

Ion	Ratio	Lower	Upper
75	100		
110	35.2	24.1	50.1
77	30.0	19.8	41.0

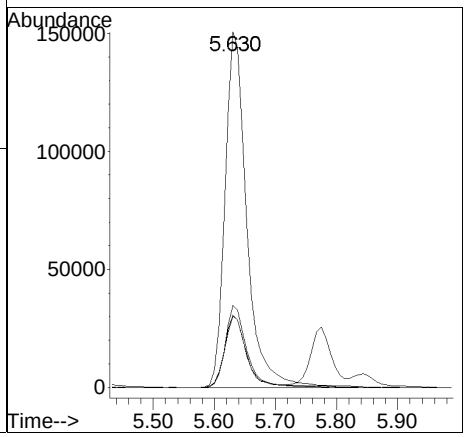


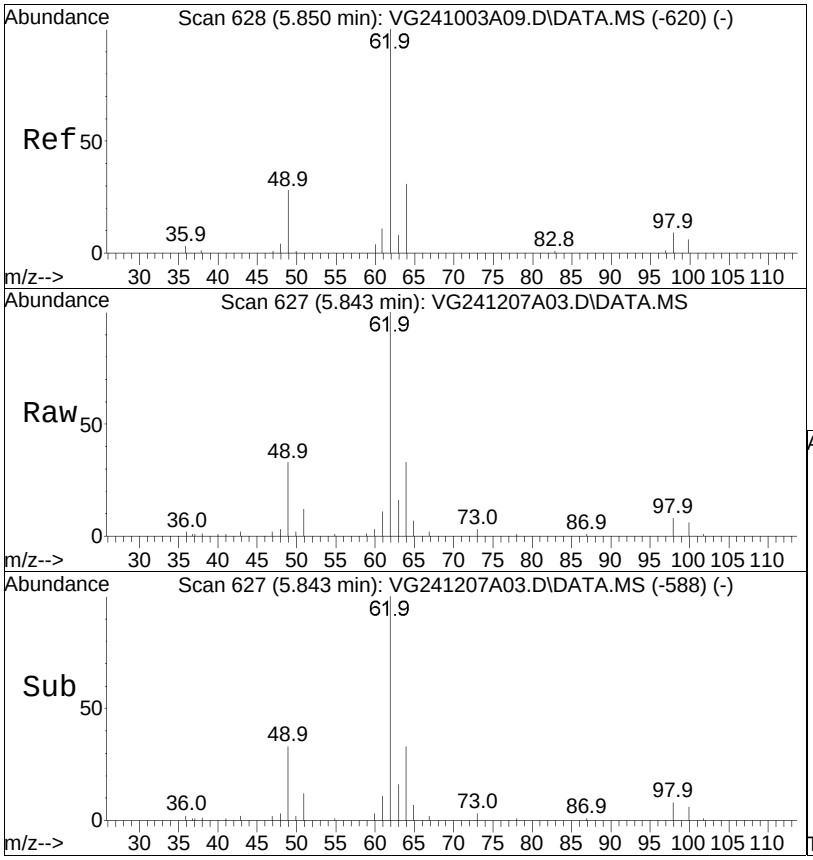


#41
Benzene
Concen: 9.51 ug/L
RT: 5.630 min Scan# 599
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 78 Resp: 373422

Ion	Ratio	Lower	Upper
78	100		
77	22.9	15.5	32.1
51	19.6	9.9	20.7
52	19.9	9.2	19.2#

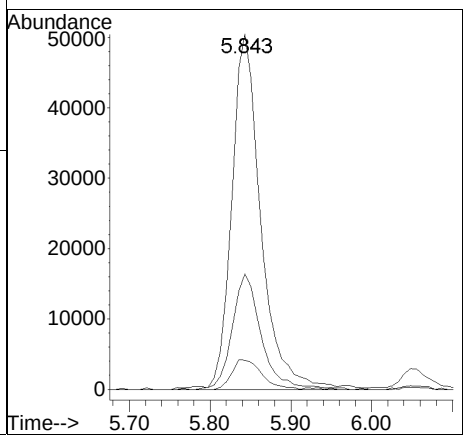


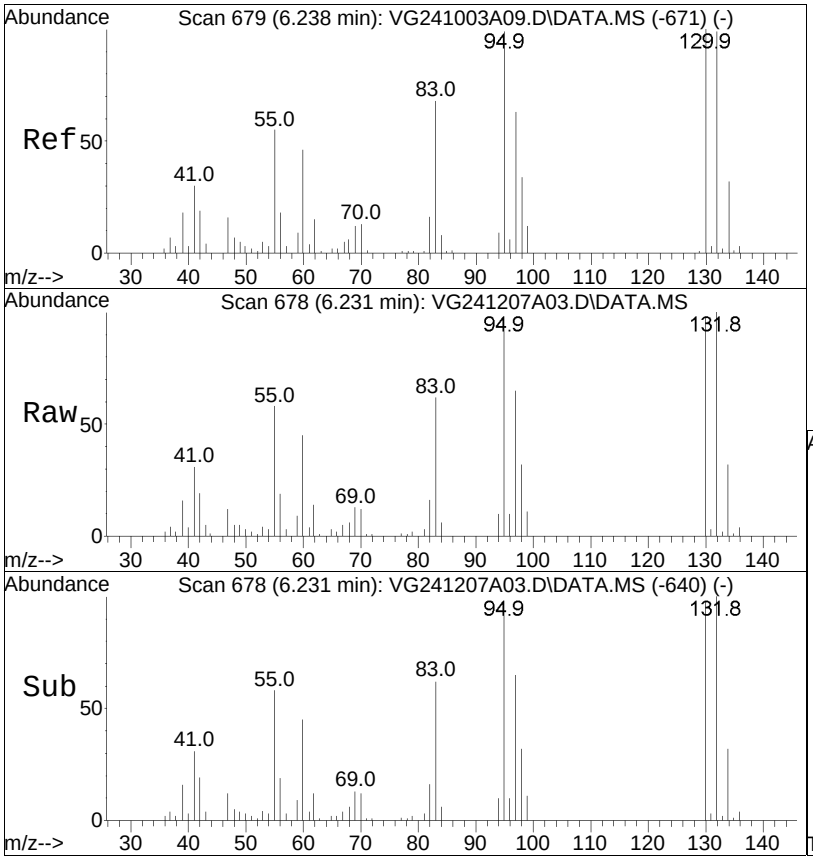


#44
1,2-Dichloroethane
Concen: 9.52 ug/L
RT: 5.843 min Scan# 627
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 62 Resp: 126618

Ion	Ratio	Lower	Upper
62	100		
64	32.9	11.9	51.9
98	8.6	0.0	29.3

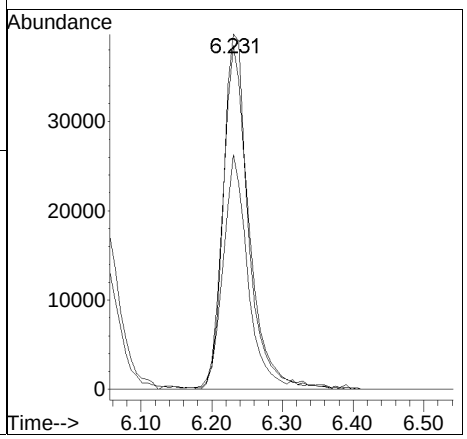


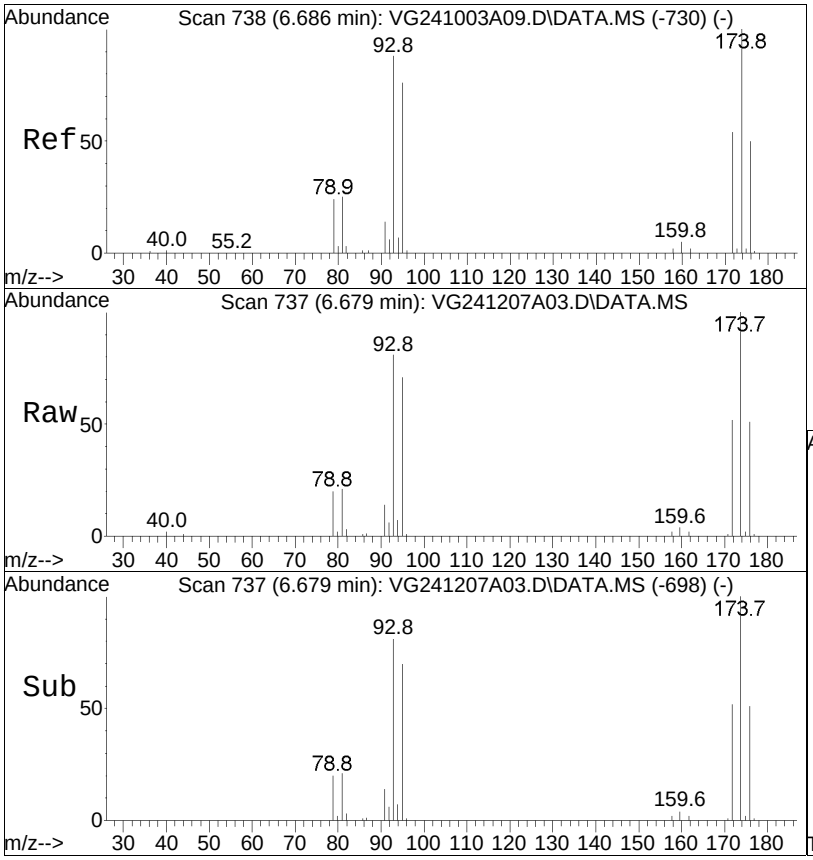


#48
Trichloroethene
Concen: 9.20 ug/L
RT: 6.231 min Scan# 678
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 95 Resp: 97050

Ion	Ratio	Lower	Upper
95	100		
97	64.0	54.0	81.0
130	104.4	85.0	127.4

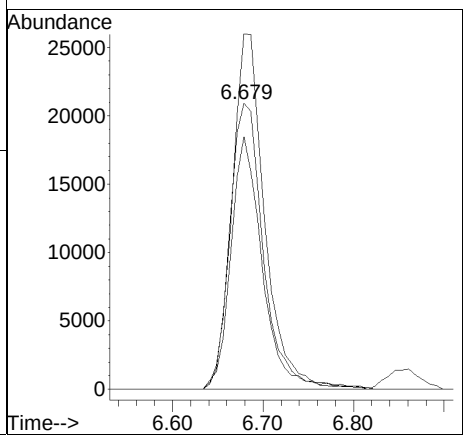


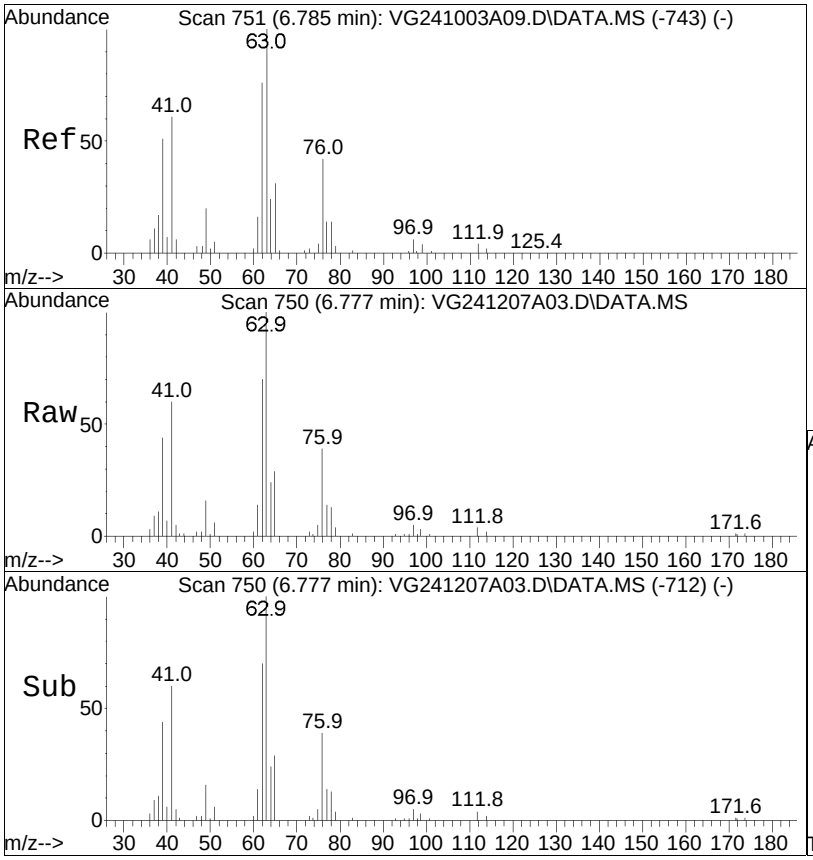


#50
Dibromomethane
Concen: 9.01 ug/L
RT: 6.679 min Scan# 737
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 93 Resp: 54085

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.6	100.0
174	121.0	90.5	135.7

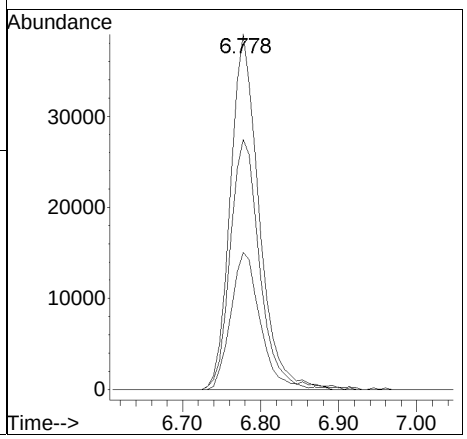


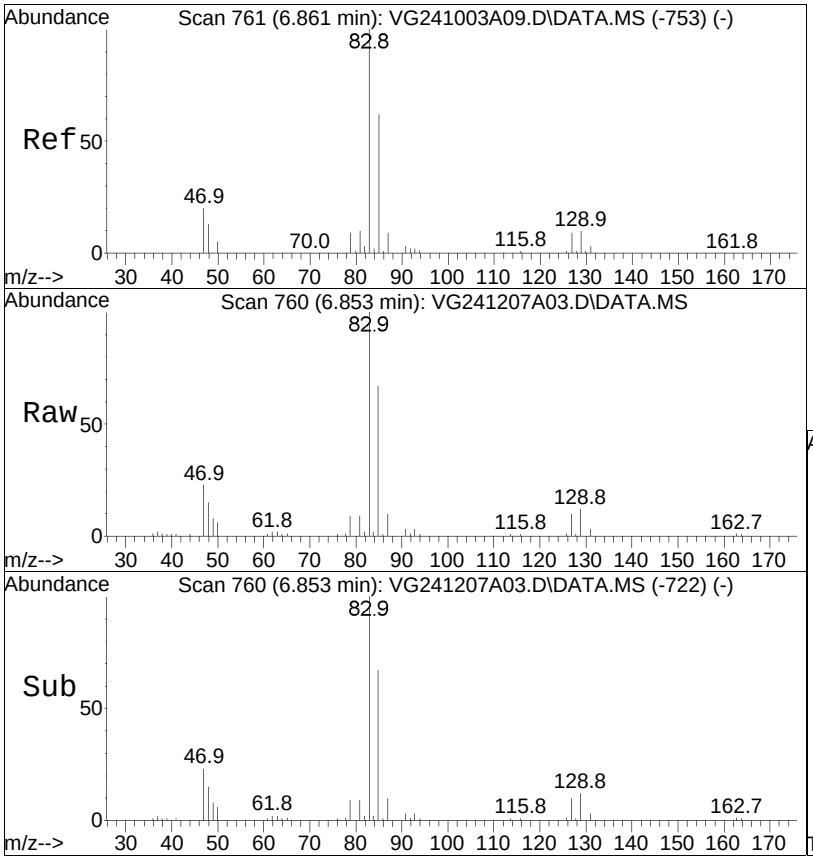


#51
1,2-Dichloropropane
Concen: 9.82 ug/L
RT: 6.777 min Scan# 750
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 63 Resp: 100095

Ion	Ratio	Lower	Upper
63	100		
62	72.4	56.5	84.7
76	39.6	34.6	52.0

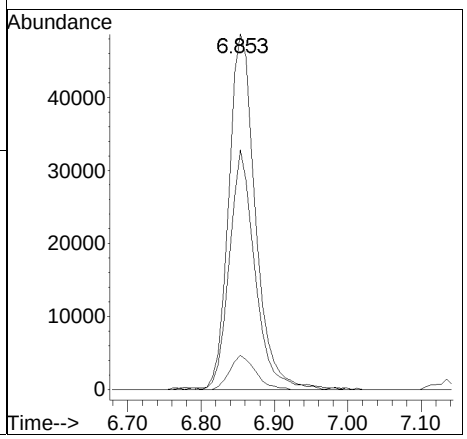


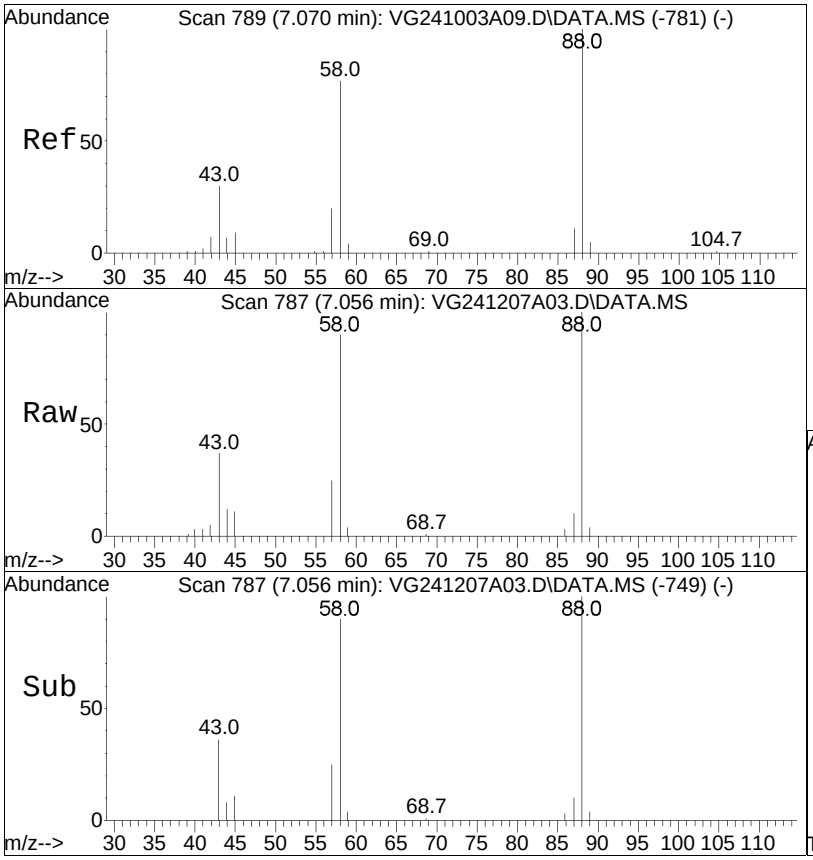


#54
Bromodichloromethane
Concen: 8.91 ug/L
RT: 6.853 min Scan# 760
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 83 Resp: 122460

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.8	76.2
127	9.2	7.4	11.2

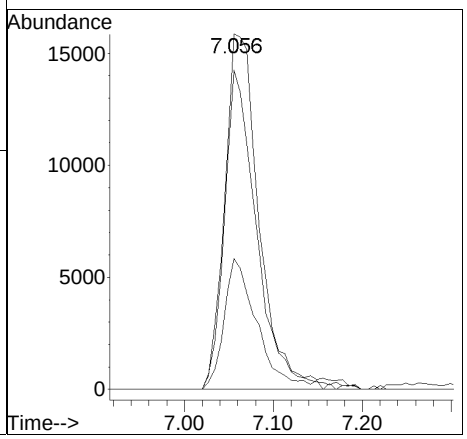


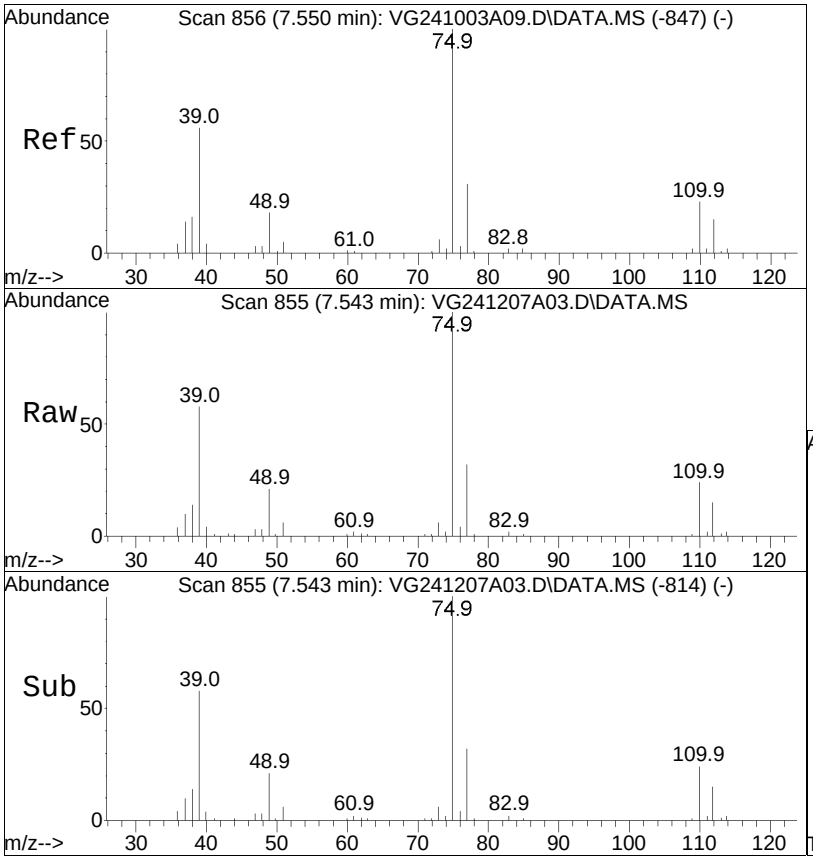


#57
1,4-Dioxane
Concen: 423.40 ug/L
RT: 7.056 min Scan# 787
Delta R.T. -0.014 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 88 Resp: 43364

Ion	Ratio	Lower	Upper
88	100		
58	83.5	48.7	73.1#
43	35.3	22.4	33.6#

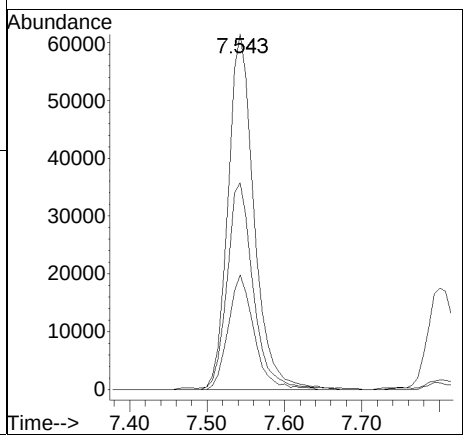


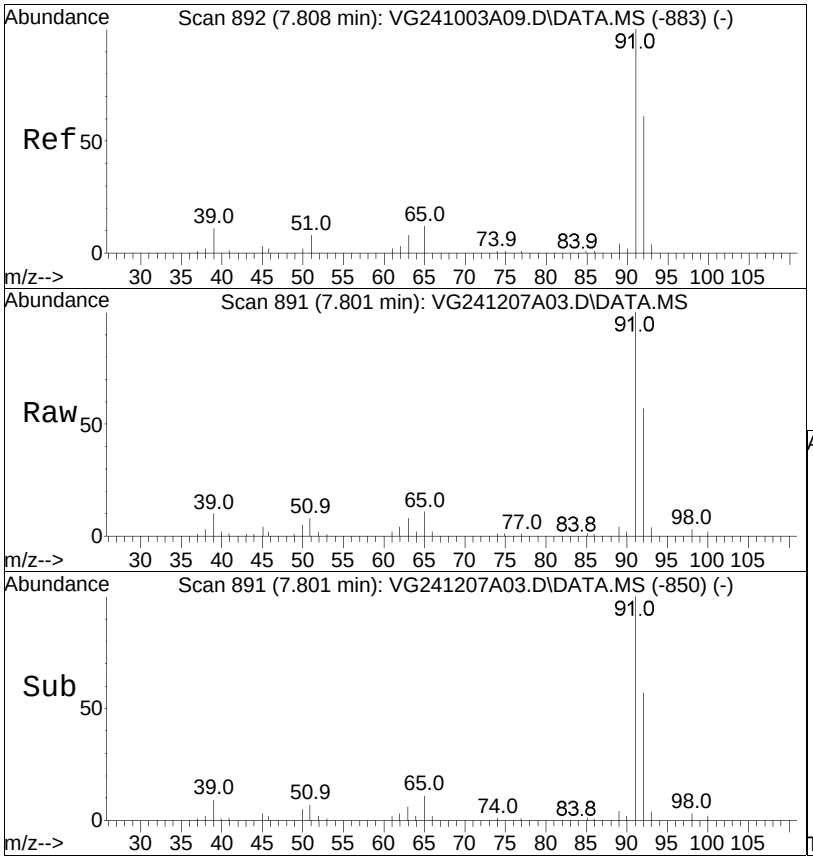


#58
cis-1,3-Dichloropropene
Concen: 9.25 ug/L
RT: 7.543 min Scan# 855
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 75 Resp: 144002

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	36.8
39	58.6	40.8	61.2

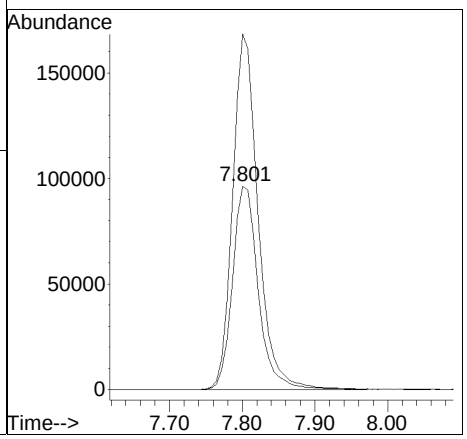


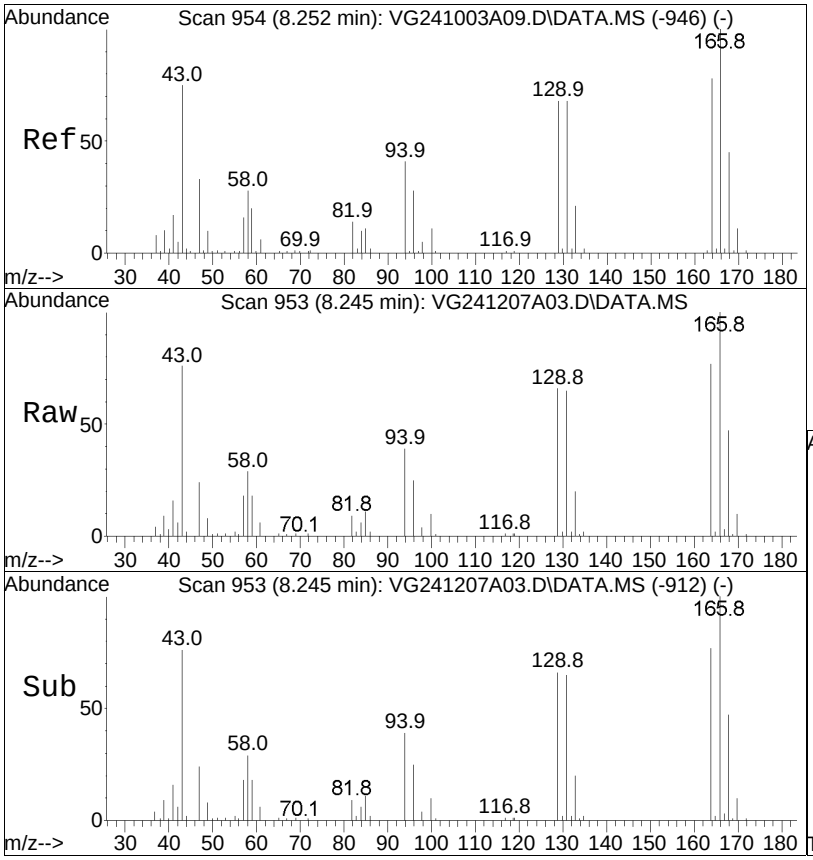


#61
Toluene
Concen: 9.22 ug/L
RT: 7.801 min Scan# 891
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 92 Resp: 236563

Ion	Ratio	Lower	Upper
92	100		
91	172.3	134.8	202.2

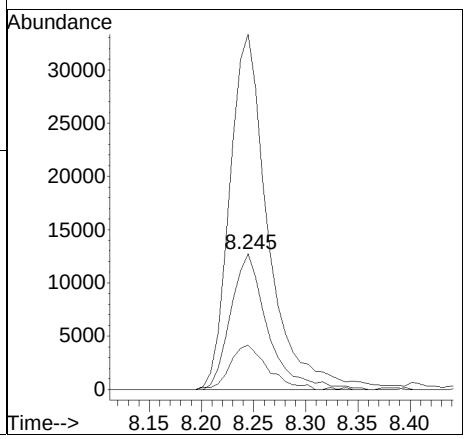


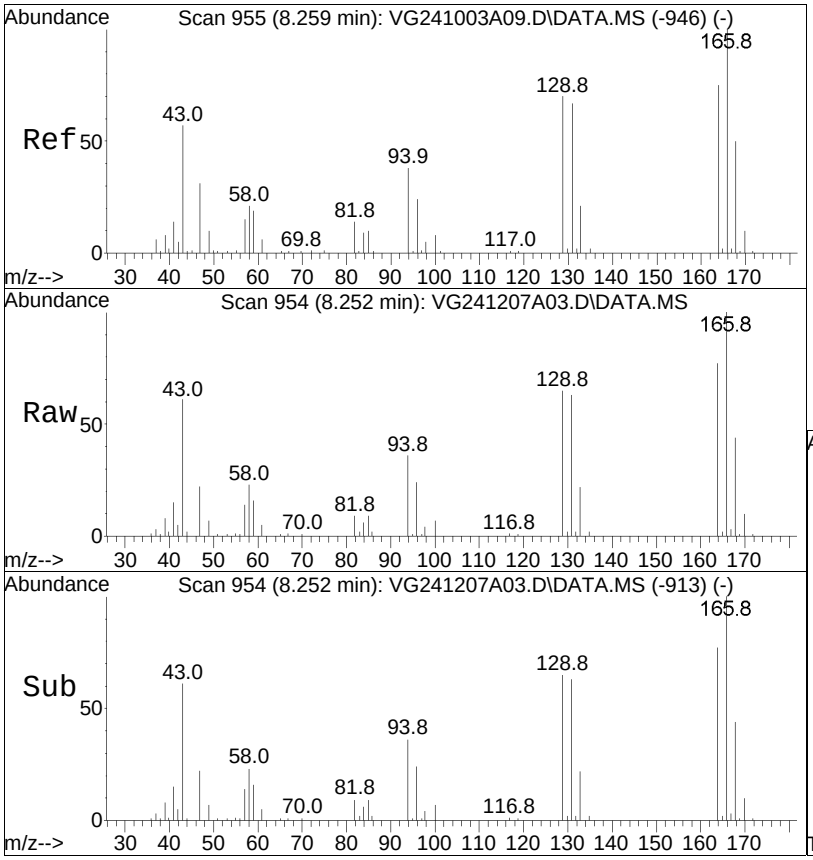


#62
4-Methyl-2-pentanone
Concen: 8.73 ug/L
RT: 8.245 min Scan# 953
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 58 Resp: 31382

Ion	Ratio	Lower	Upper
58	100		
100	33.3	33.6	50.4#
43	274.4	204.3	306.5

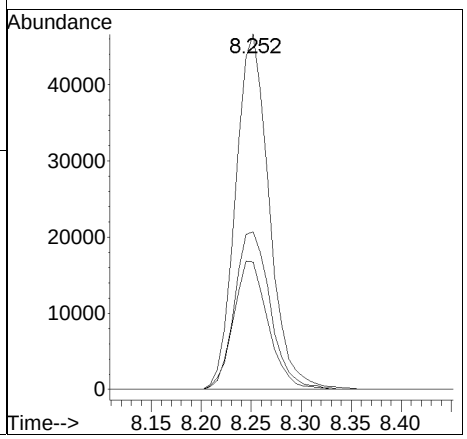


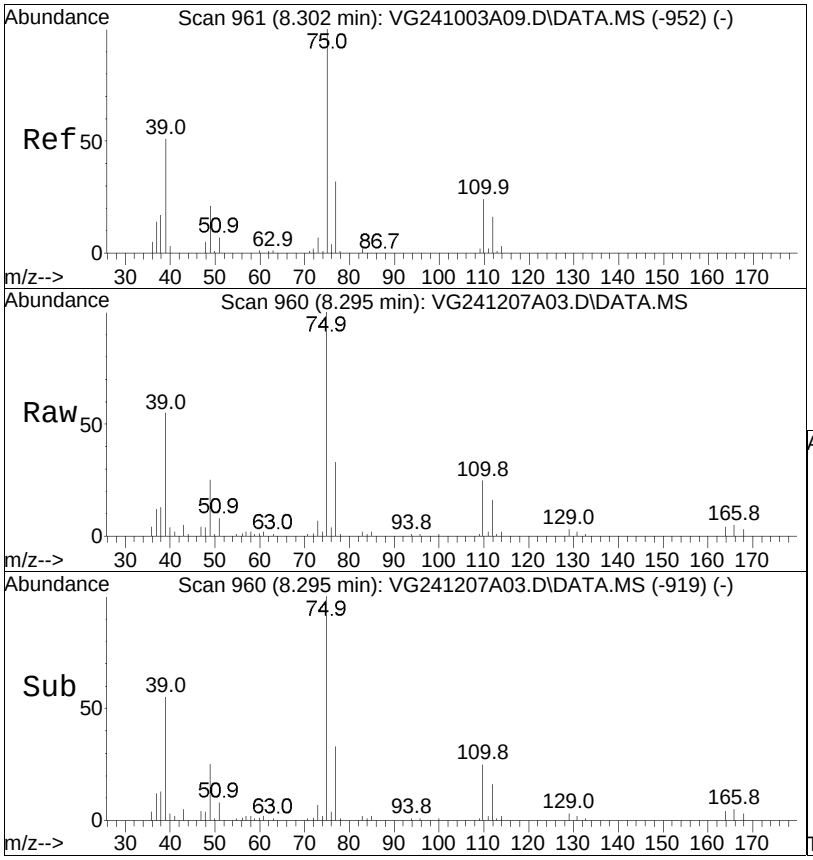


#63
Tetrachloroethene
Concen: 9.85 ug/L
RT: 8.252 min Scan# 954
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:166 Resp: 109397

Ion	Ratio	Lower	Upper
166	100		
168	47.0	27.3	67.3
94	37.2	20.5	60.5

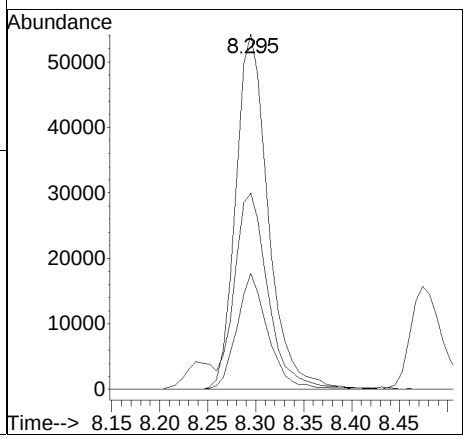


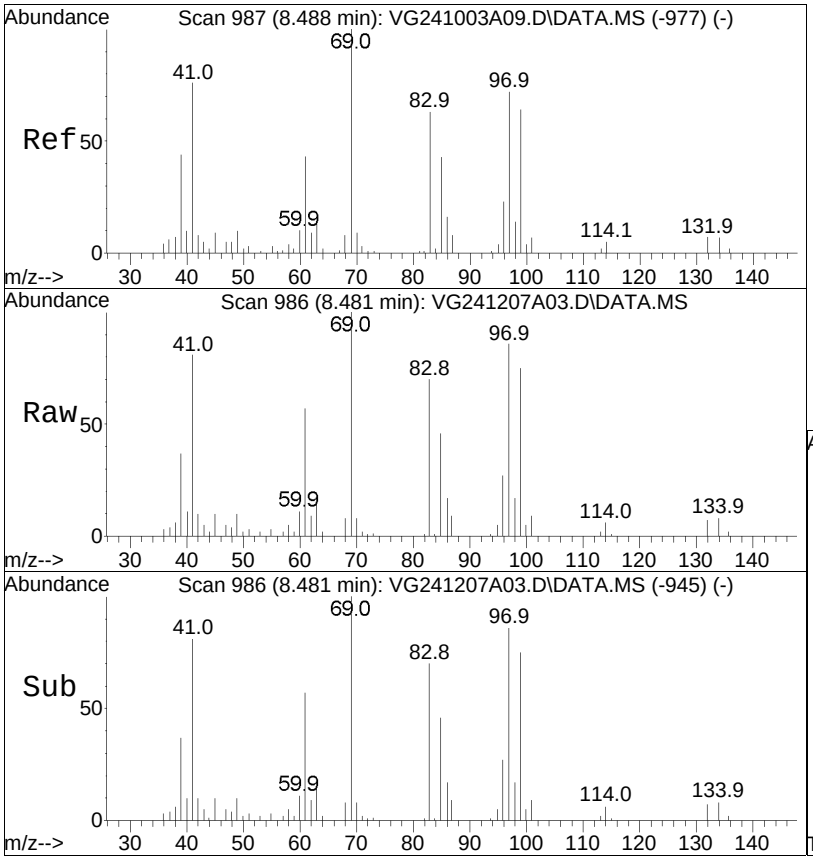


#65
trans-1,3-Dichloropropene
Concen: 8.57 ug/L
RT: 8.295 min Scan# 960
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 75 Resp: 128302

Ion	Ratio	Lower	Upper
75	100		
77	31.2	11.3	51.3
39	56.8	36.0	76.0

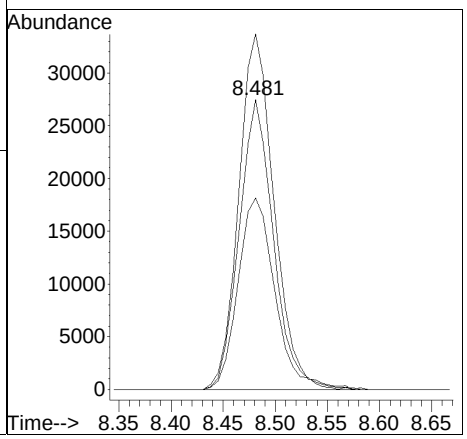


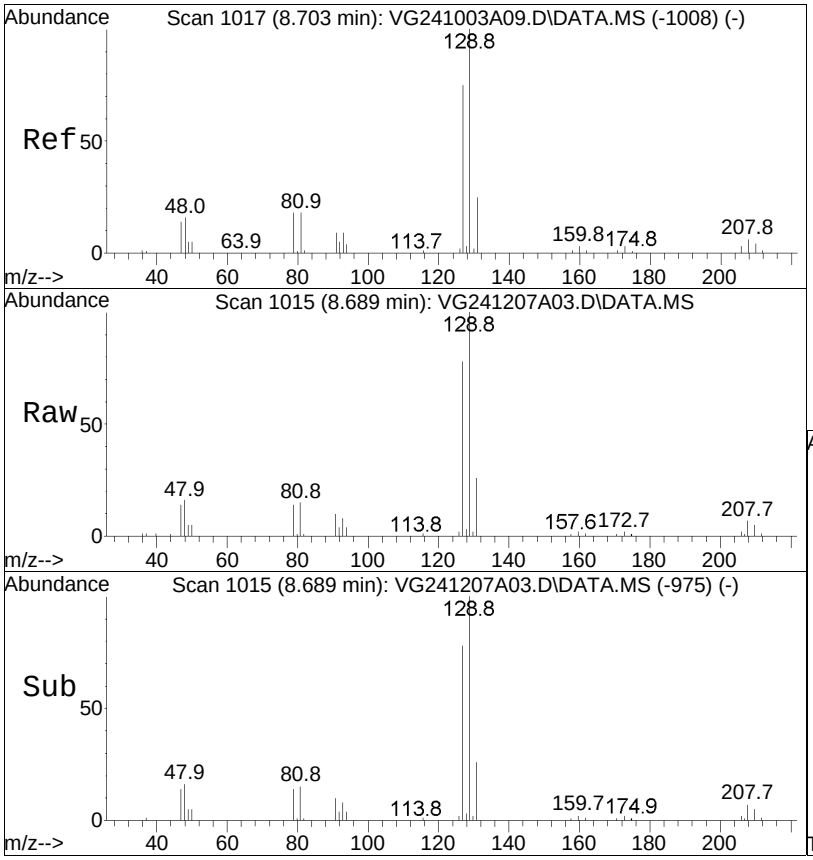


#68
1,1,2-Trichloroethane
Concen: 8.06 ug/L
RT: 8.481 min Scan# 986
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 83 Resp: 62963

Ion	Ratio	Lower	Upper
83	100		
97	126.6	101.0	141.0
85	70.3	47.9	87.9

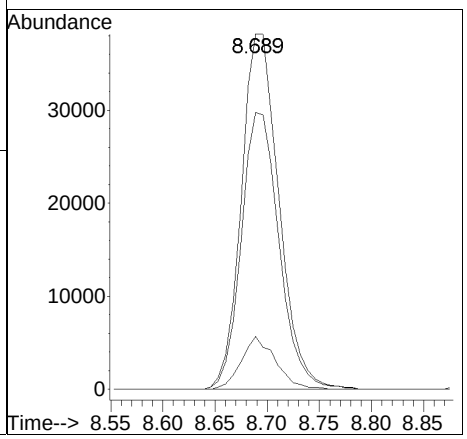


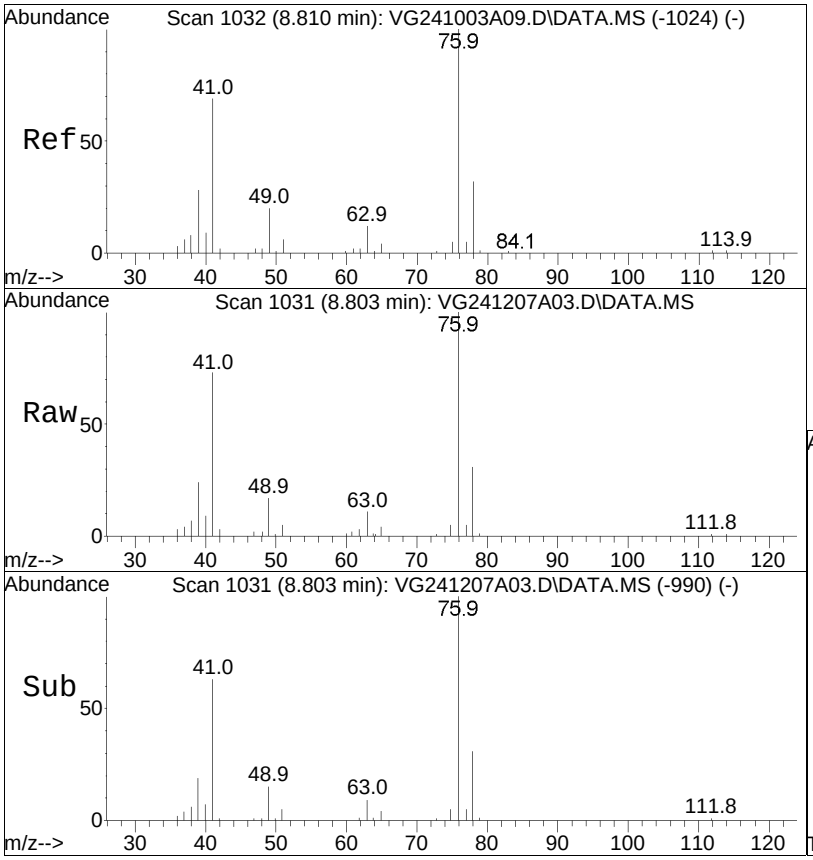


#69
Chlorodibromomethane
Concen: 8.89 ug/L
RT: 8.689 min Scan# 1015
Delta R.T. -0.014 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:129 Resp: 95991

Ion	Ratio	Lower	Upper
129	100		
81	13.6	0.0	35.0
127	78.2	57.1	97.1

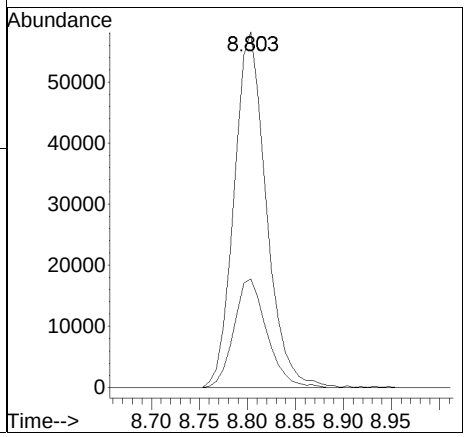


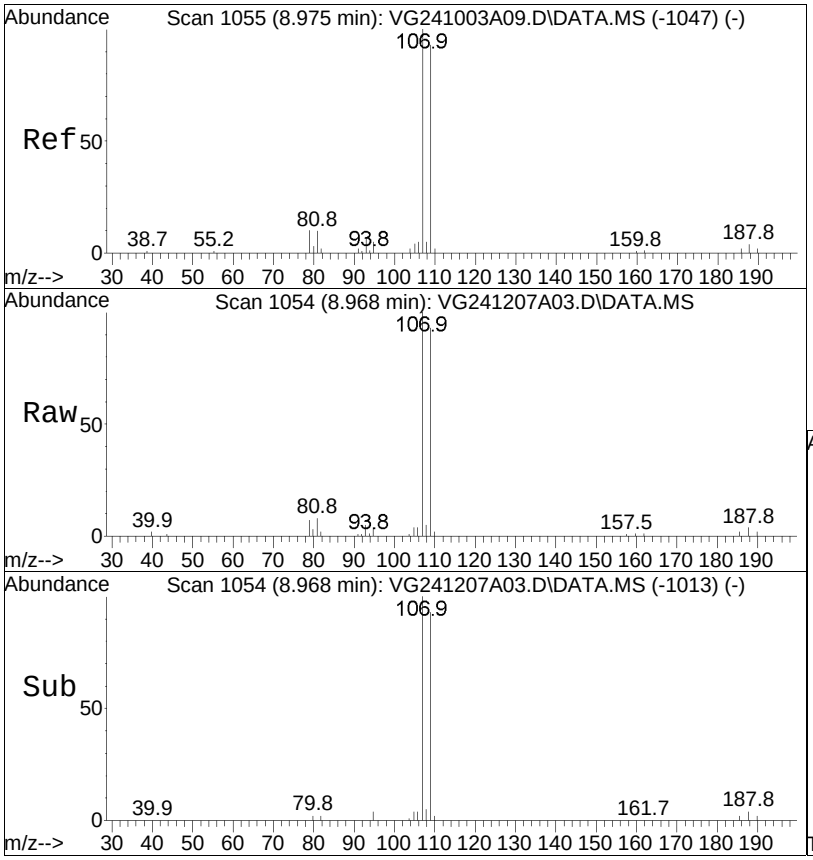


#70
1,3-Dichloropropane
Concen: 8.76 ug/L
RT: 8.803 min Scan# 1031
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 76 Resp: 135758

Ion	Ratio	Lower	Upper
76	100		
78	31.1	25.4	38.2

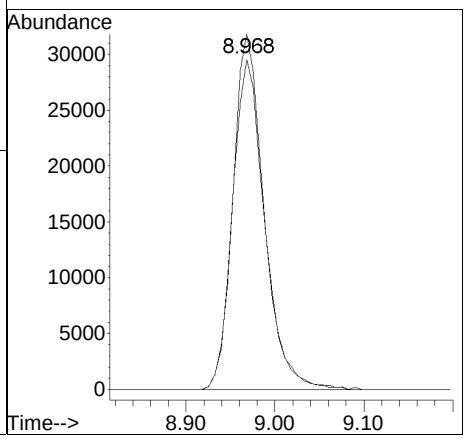


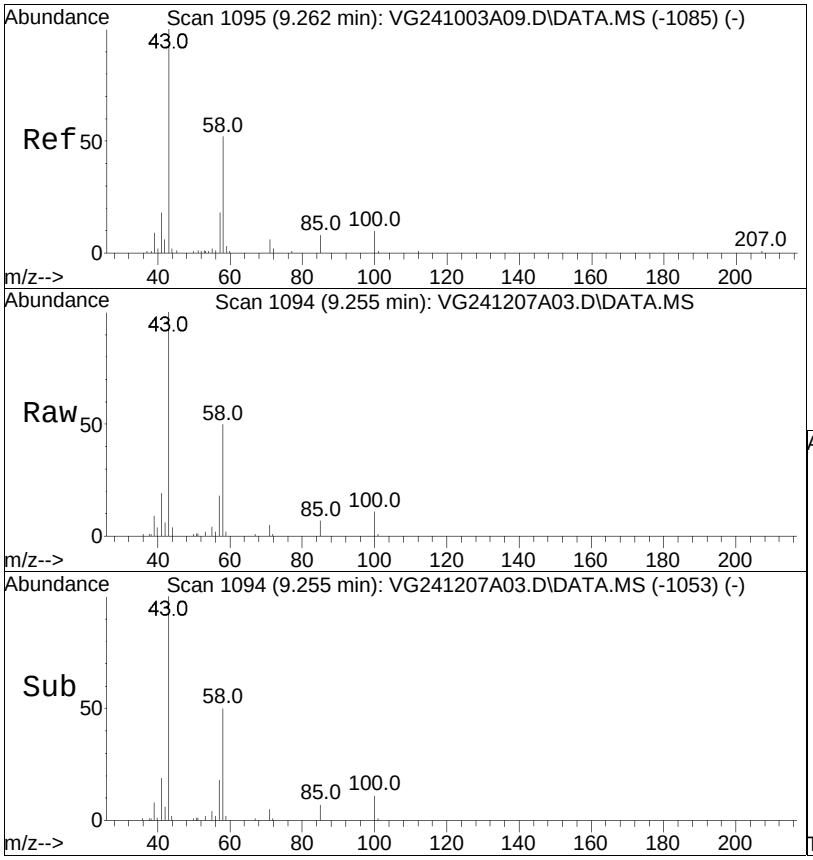


#71
1,2-Dibromoethane
Concen: 8.41 ug/L
RT: 8.968 min Scan# 1054
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:107 Resp: 77677

Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.0	114.0

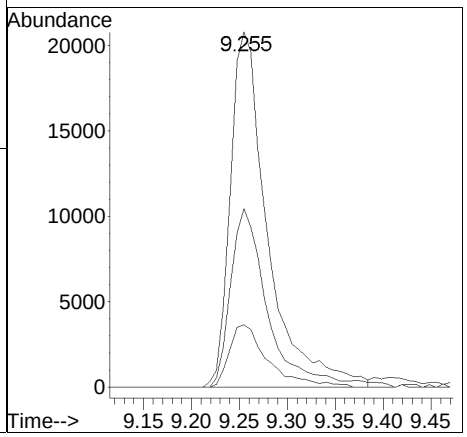


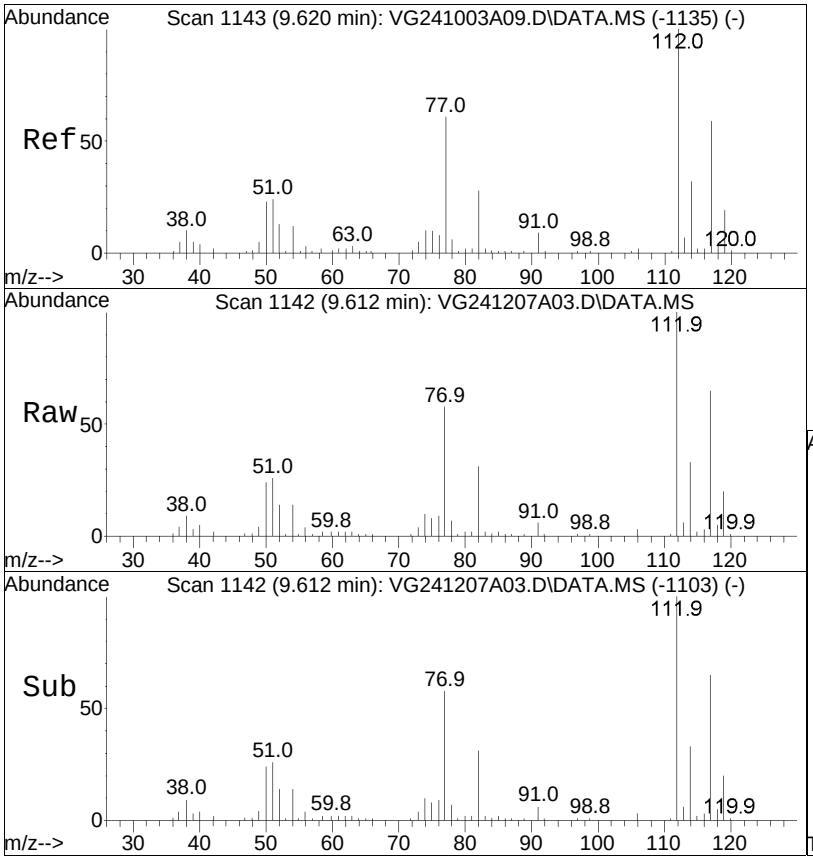


#72
2-Hexanone
Concen: 8.79 ug/L
RT: 9.255 min Scan# 1094
Delta R.T. -0.007 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 43 Resp: 56554

Ion	Ratio	Lower	Upper
43	100		
58	49.2	43.8	65.6
57	18.5	15.2	22.8

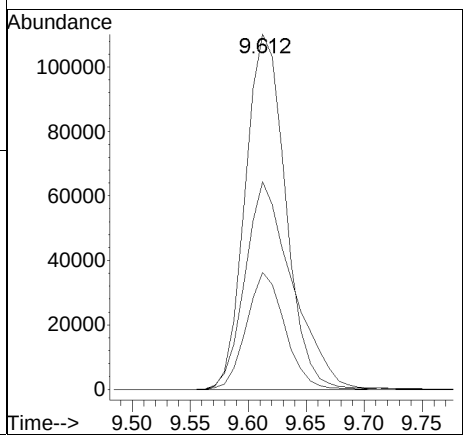


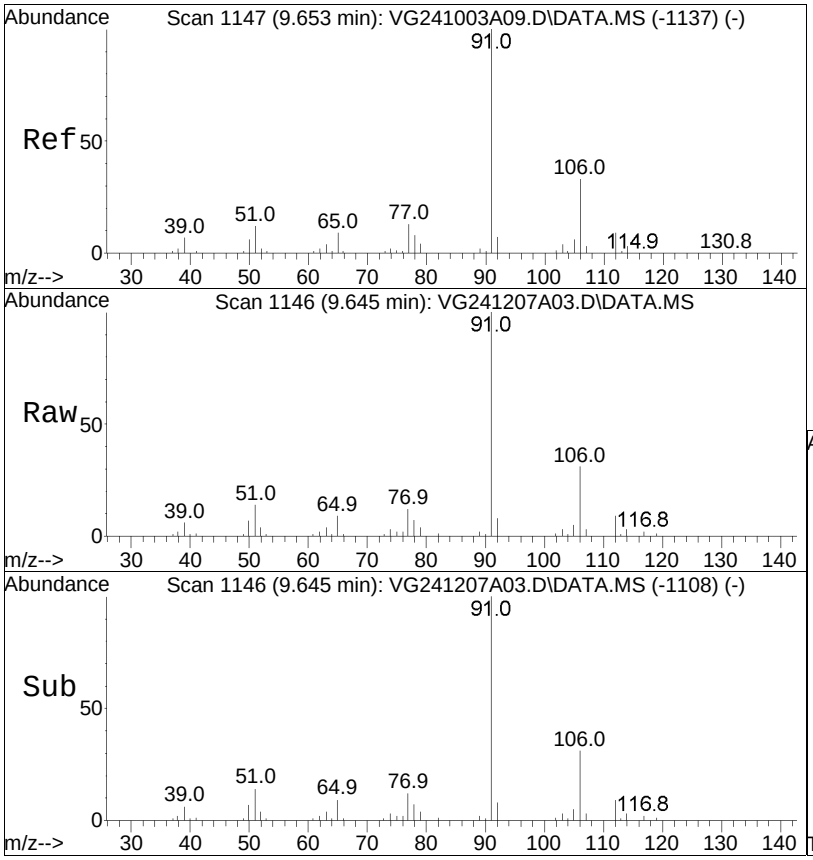


#73
Chlorobenzene
Concen: 9.62 ug/L
RT: 9.612 min Scan# 1142
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:112 Resp: 265202

Ion	Ratio	Lower	Upper
112	100		
77	69.3	55.9	83.9
114	31.5	25.4	38.0

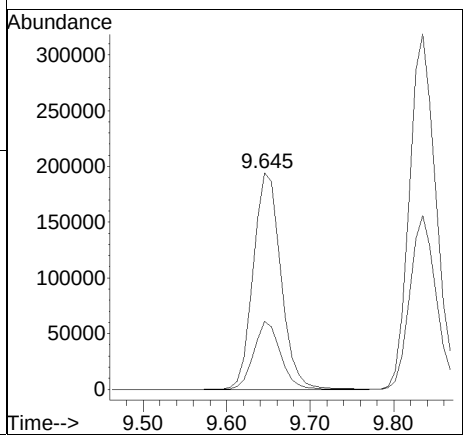


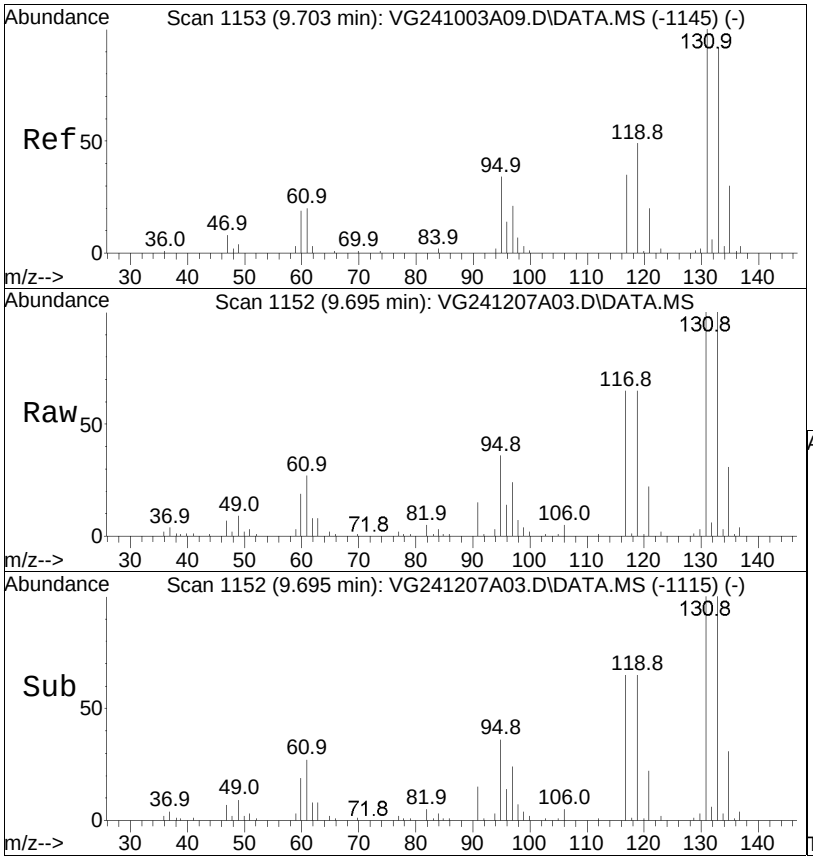


#74
Ethylbenzene
Concen: 9.08 ug/L
RT: 9.645 min Scan# 1146
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 91 Resp: 447988

Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.3	37.9

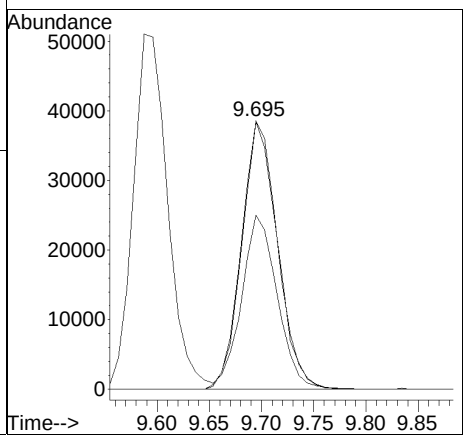


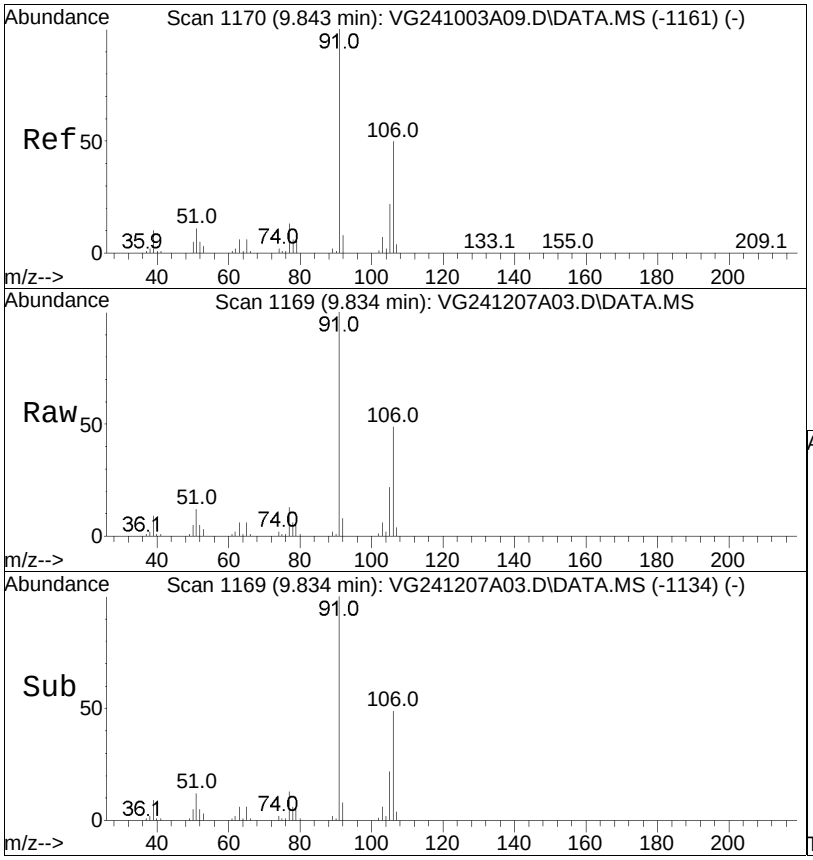


#75
1,1,1,2-Tetrachloroethane
Concen: 8.82 ug/L
RT: 9.695 min Scan# 1152
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:131 Resp: 93210

Ion	Ratio	Lower	Upper
131	100		
133	97.2	77.3	117.3
119	63.6	42.7	82.7

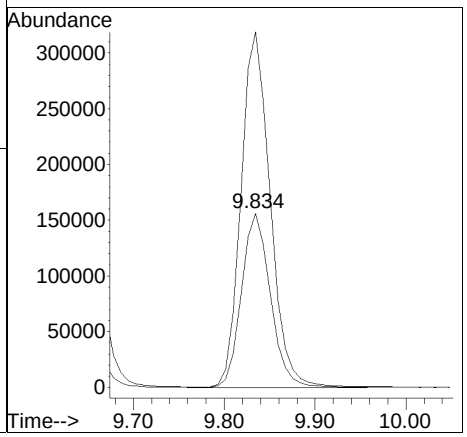


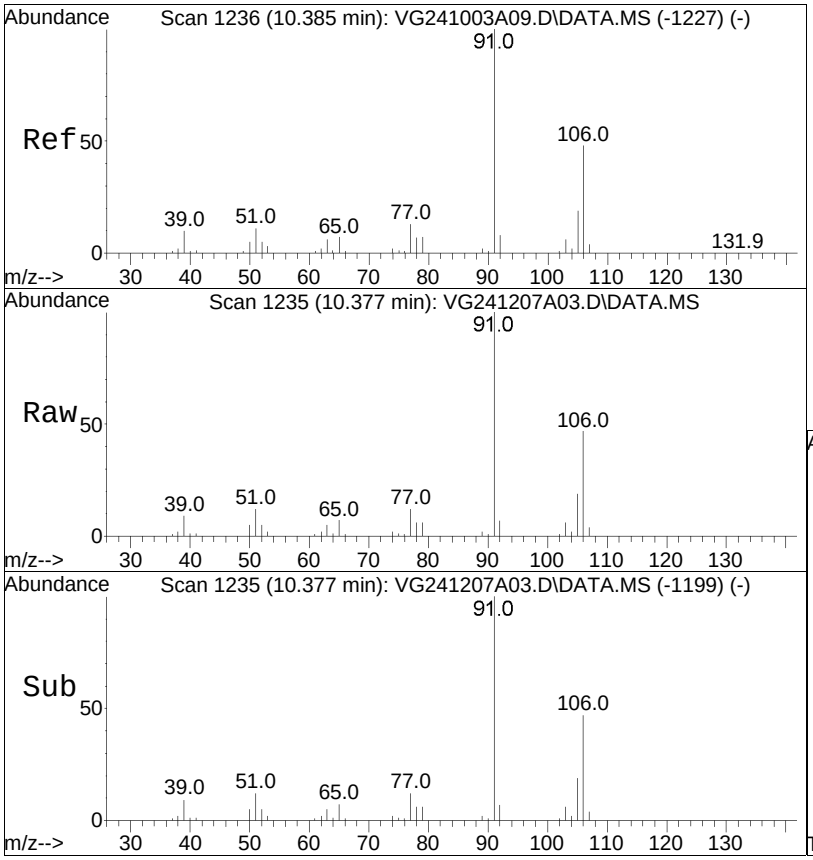


#76
p/m Xylene
Concen: 18.38 ug/L
RT: 9.834 min Scan# 1169
Delta R.T. -0.009 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:106 Resp: 344901

Ion	Ratio	Lower	Upper
106	100		
91	206.0	157.1	235.7

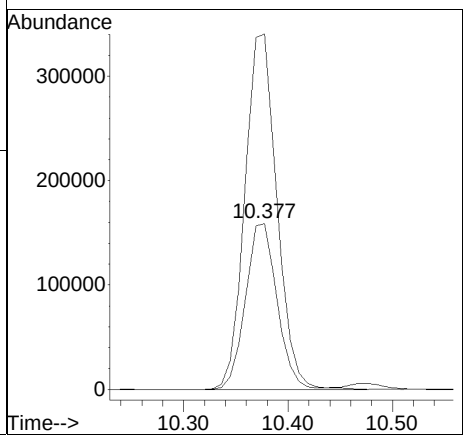


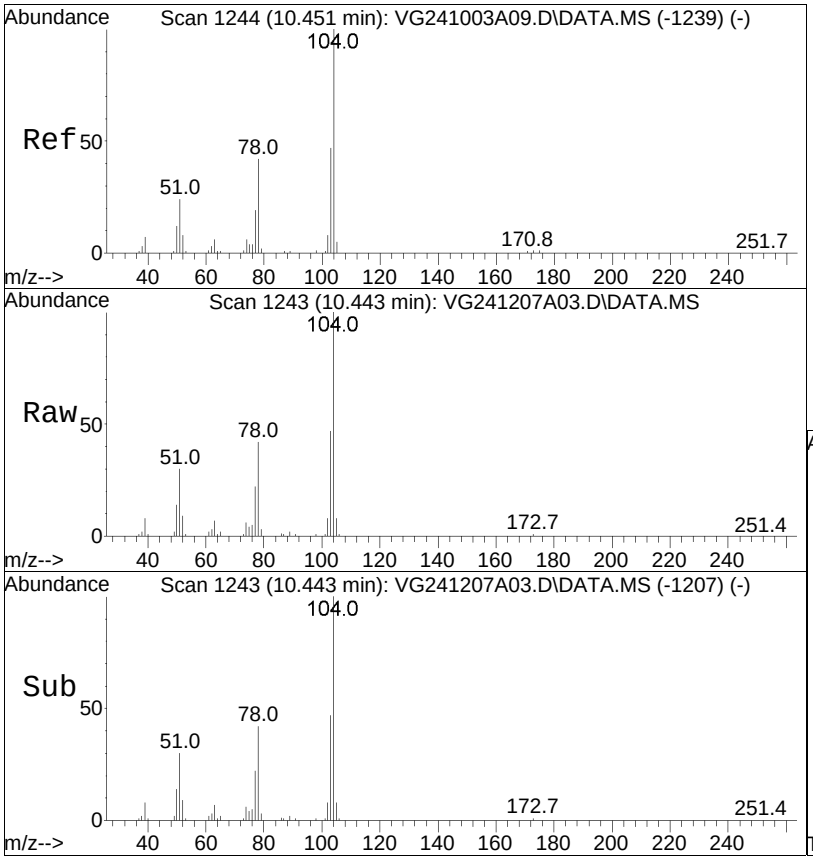


#77
o Xylene
Concen: 18.45 ug/L
RT: 10.377 min Scan# 1235
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:106 Resp: 335294

Ion	Ratio	Lower	Upper
106	100		
91	215.2	164.7	247.1

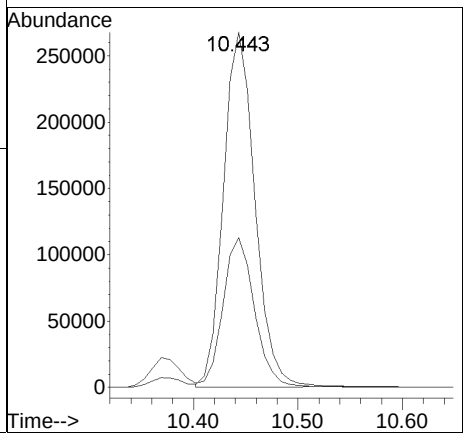


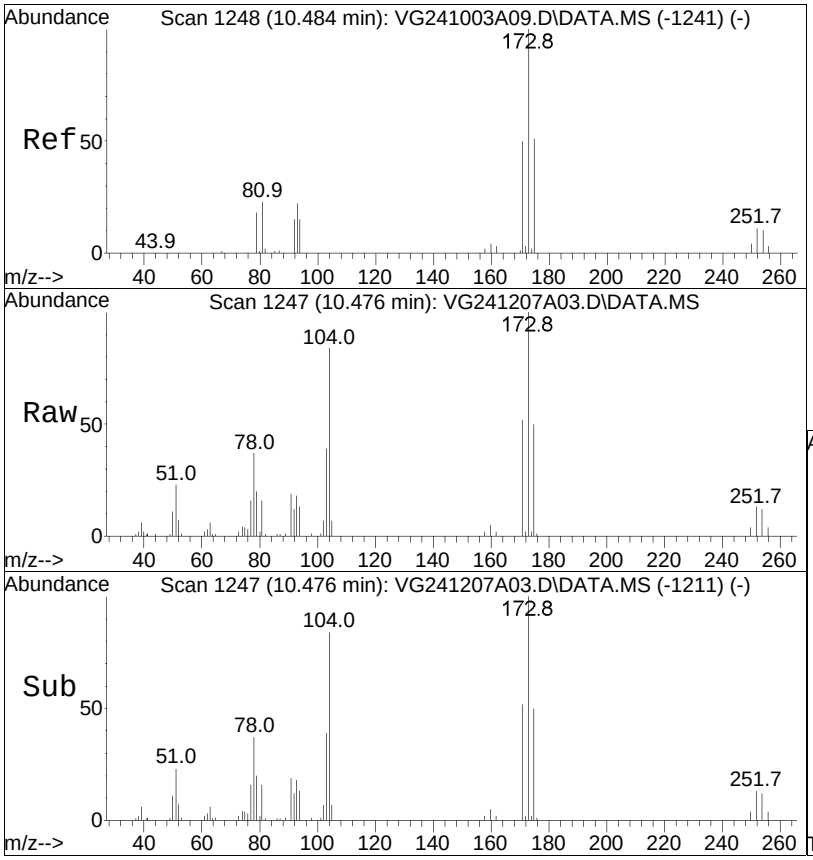


#78
Styrene
Concen: 18.08 ug/L
RT: 10.443 min Scan# 1243
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:104 Resp: 559120

Ion	Ratio	Lower	Upper
104	100		
78	42.5	32.2	48.4

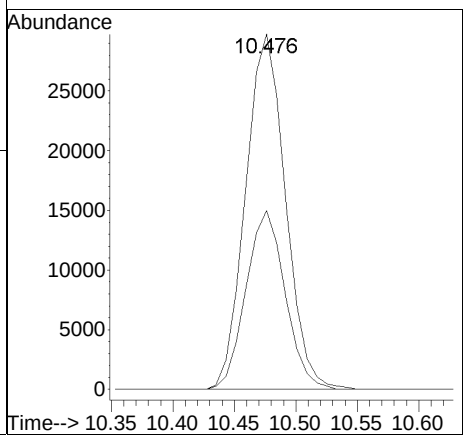


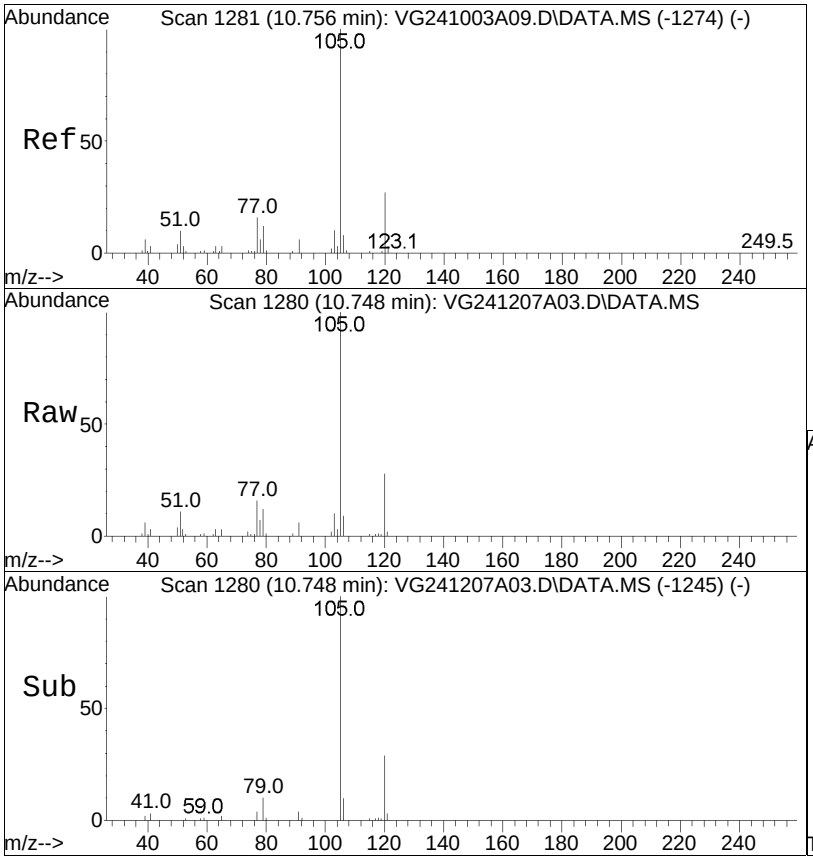


#80
Bromoform
Concen: 8.54 ug/L
RT: 10.476 min Scan# 1247
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:173 Resp: 67089

Ion	Ratio	Lower	Upper
173	100		
175	49.5	28.0	68.0

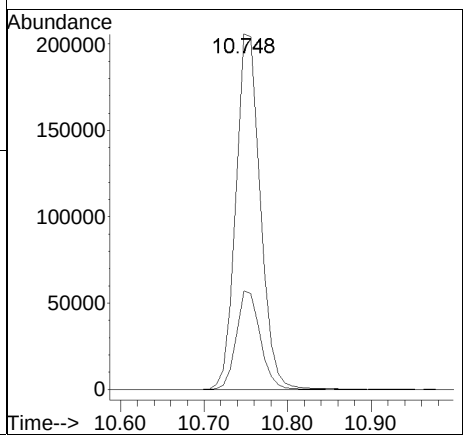


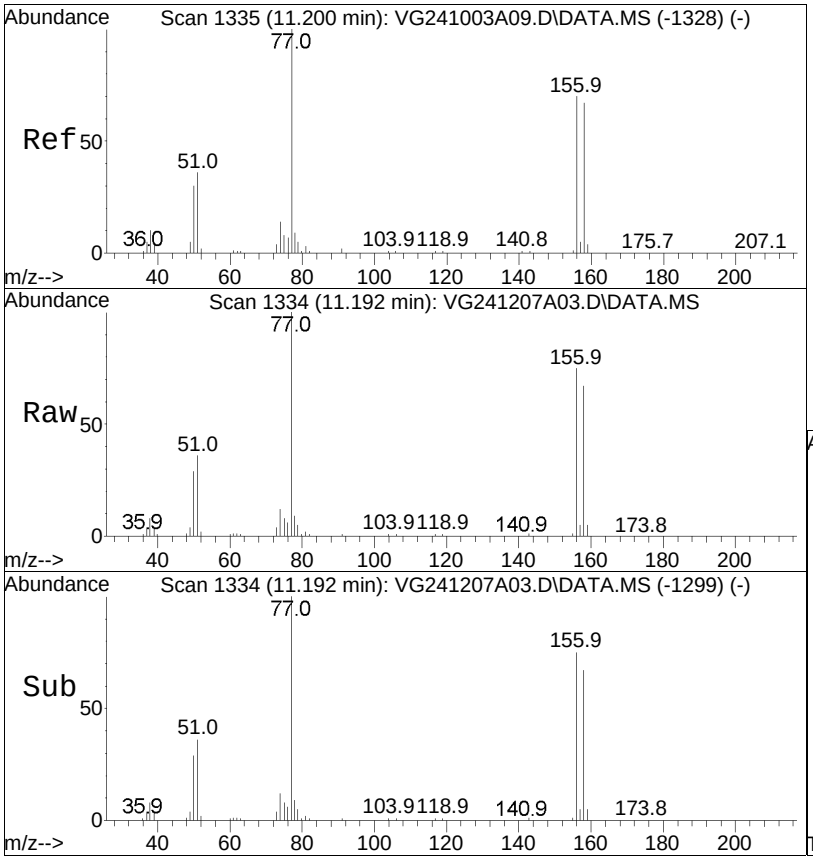


#82
Isopropylbenzene
Concen: 8.67 ug/L
RT: 10.748 min Scan# 1280
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:105 Resp: 419107

Ion	Ratio	Lower	Upper
105	100		
120	27.0	7.0	47.0

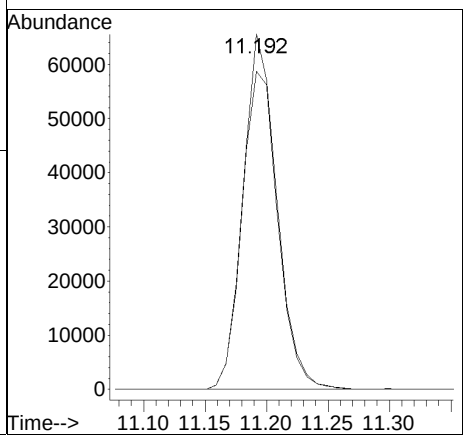


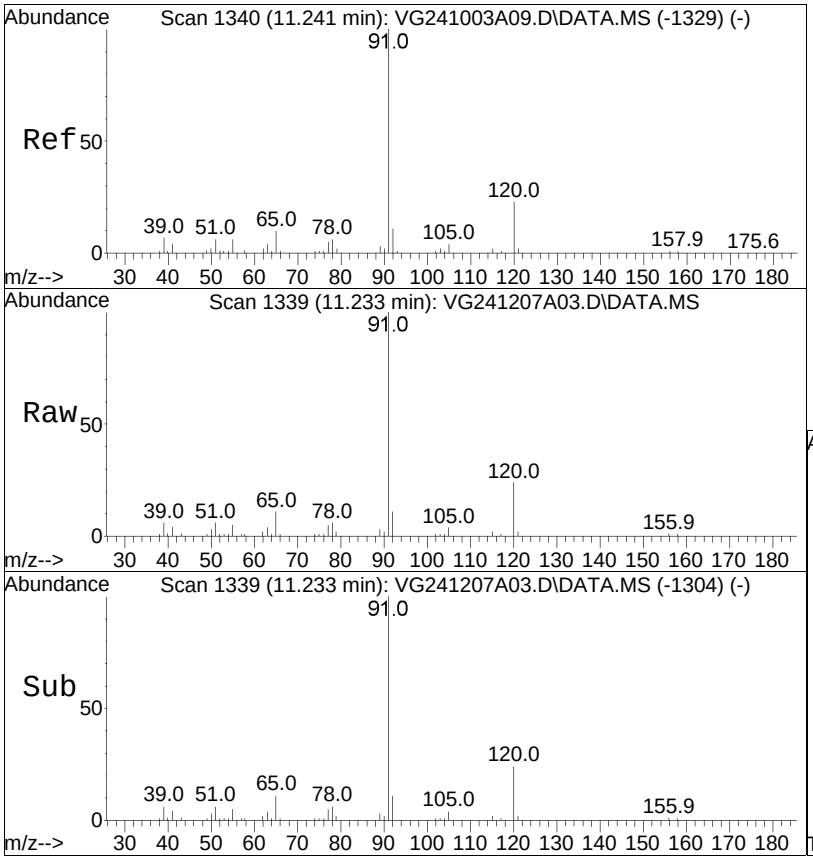


#84
Bromobenzene
Concen: 9.62 ug/L
RT: 11.192 min Scan# 1334
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:156 Resp: 125887

Ion	Ratio	Lower	Upper
156	100		
158	94.9	76.9	115.3

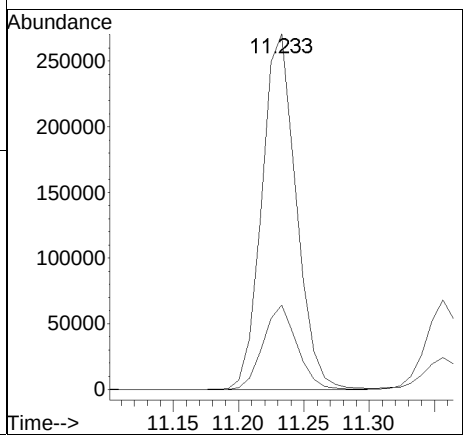


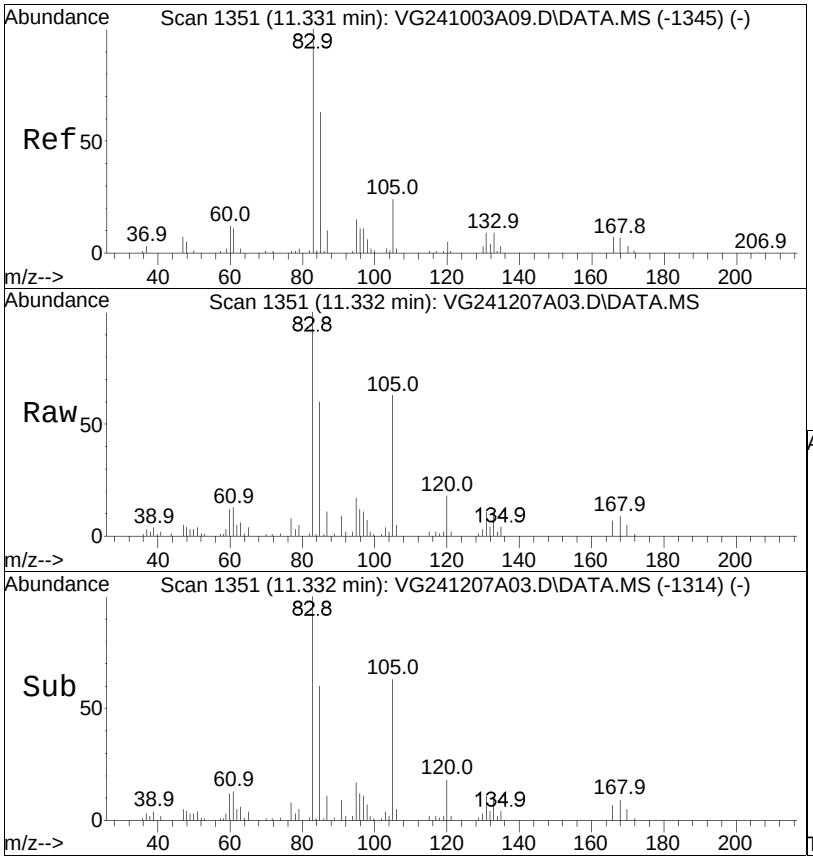


#85
n-Propylbenzene
Concen: 8.79 ug/L
RT: 11.233 min Scan# 1339
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 91 Resp: 494929

Ion	Ratio	Lower	Upper
91	100		
120	23.3	19.0	28.6

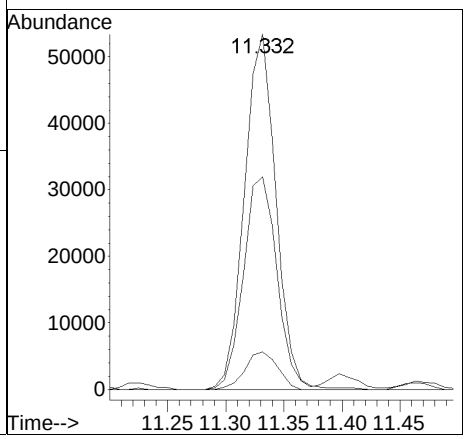


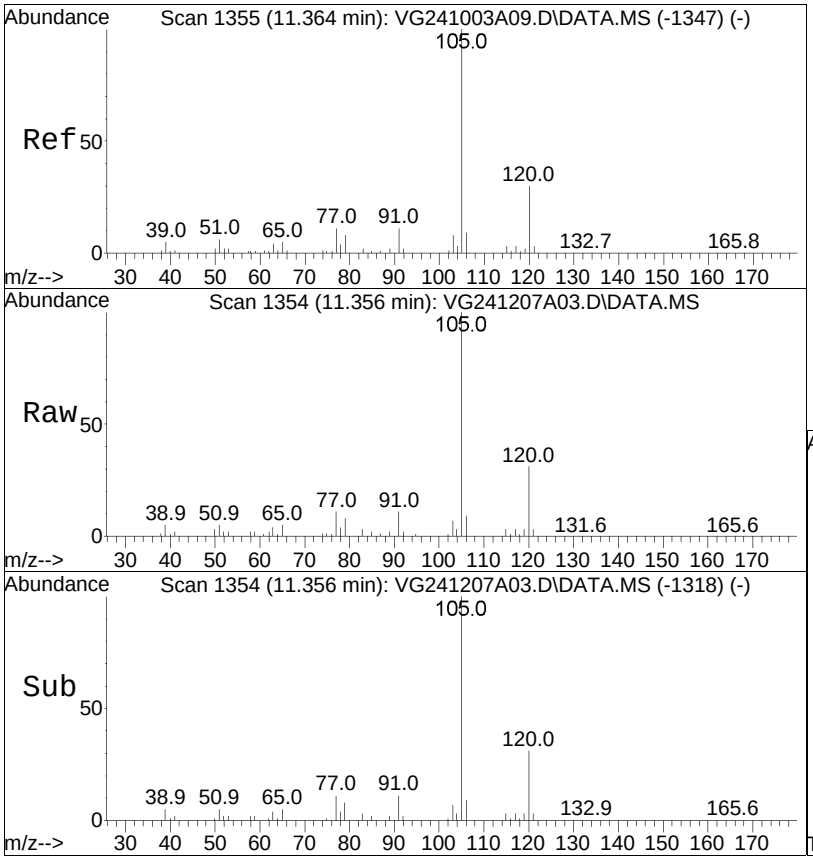


#87
1,1,2,2-Tetrachloroethane
Concen: 8.24 ug/L
RT: 11.332 min Scan# 1351
Delta R.T. 0.001 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 83 Resp: 100858

Ion	Ratio	Lower	Upper
83	100		
131	10.9	0.0	31.0
85	63.4	43.9	83.9

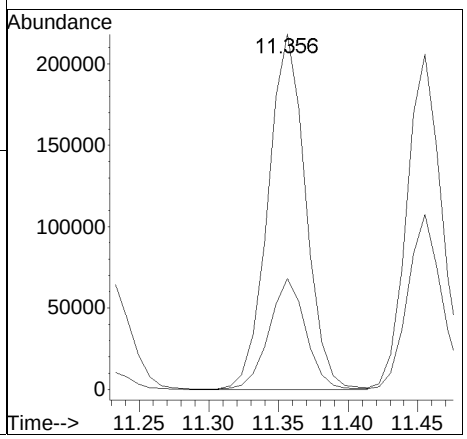


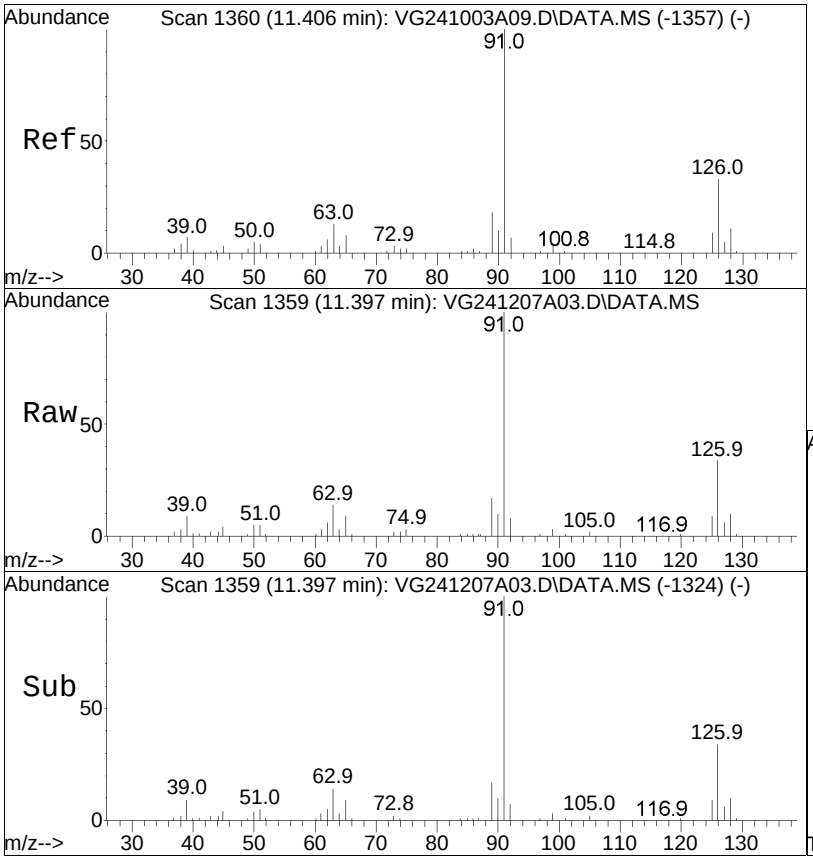


#88
4-Ethyltoluene
Concen: 8.90 ug/L
RT: 11.356 min Scan# 1354
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:105 Resp: 409960

Ion	Ratio	Lower	Upper
105	100		
120	30.4	19.9	41.3

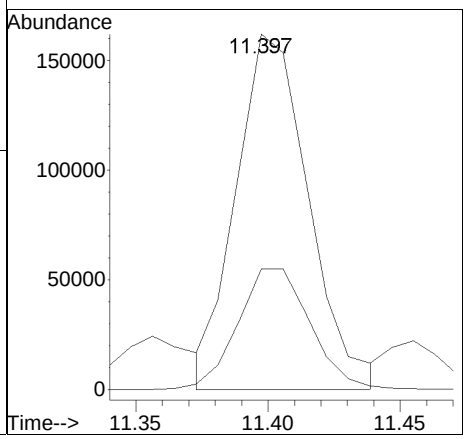


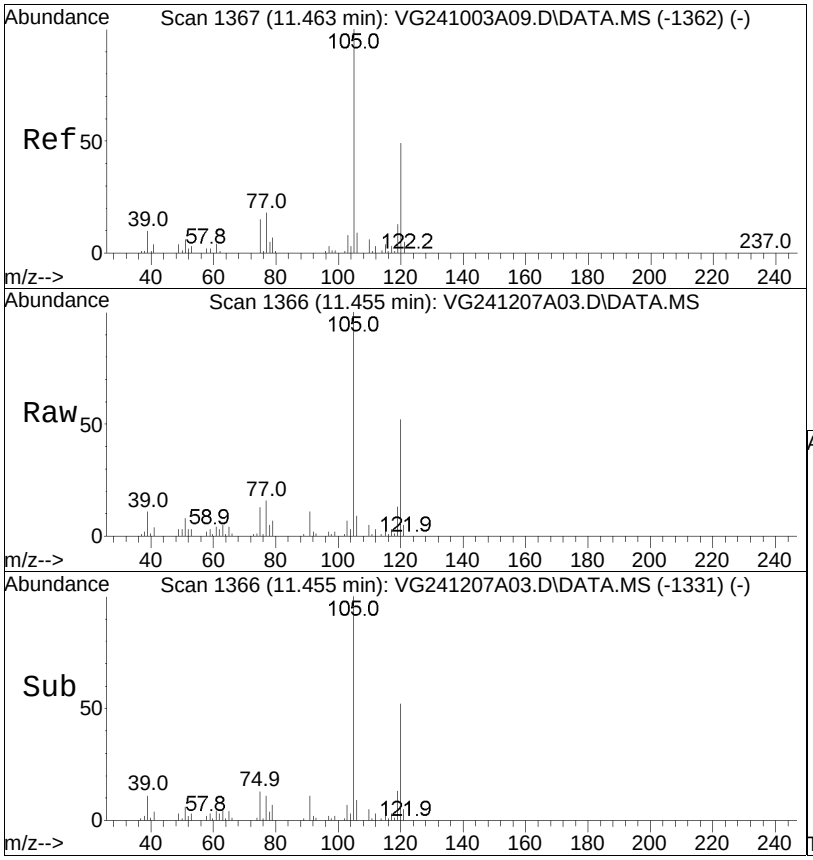


#89
2-Chlorotoluene
Concen: 8.98 ug/L M6
RT: 11.397 min Scan# 1359
Delta R.T. -0.009 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 91 Resp: 308312

Ion	Ratio	Lower	Upper
91	100		
126	34.2	27.4	41.2

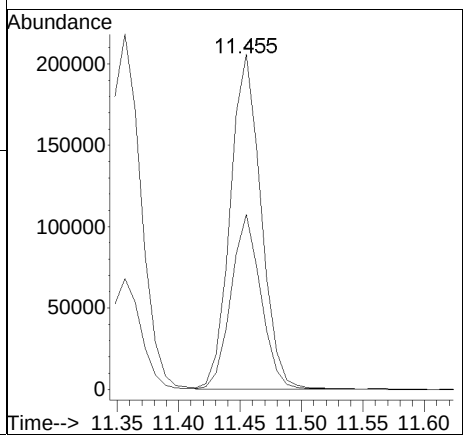


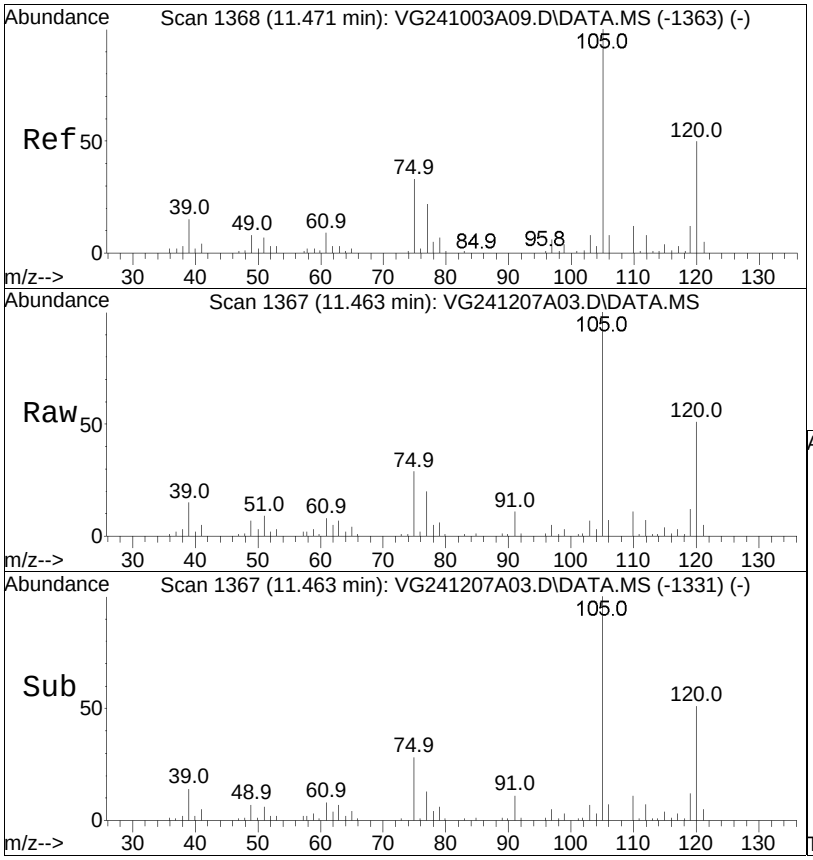


#90
1,3,5-Trimethylbenzene
Concen: 8.76 ug/L
RT: 11.455 min Scan# 1366
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:105 Resp: 357418

Ion	Ratio	Lower	Upper
105	100		
120	51.2	40.3	60.5

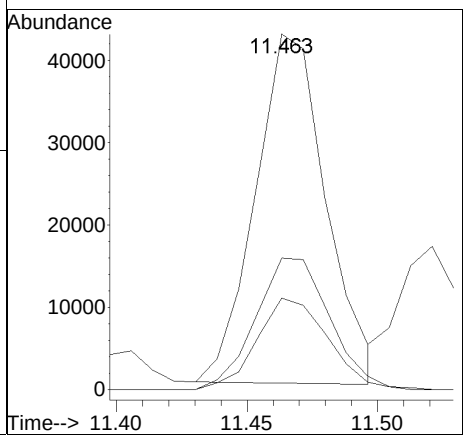


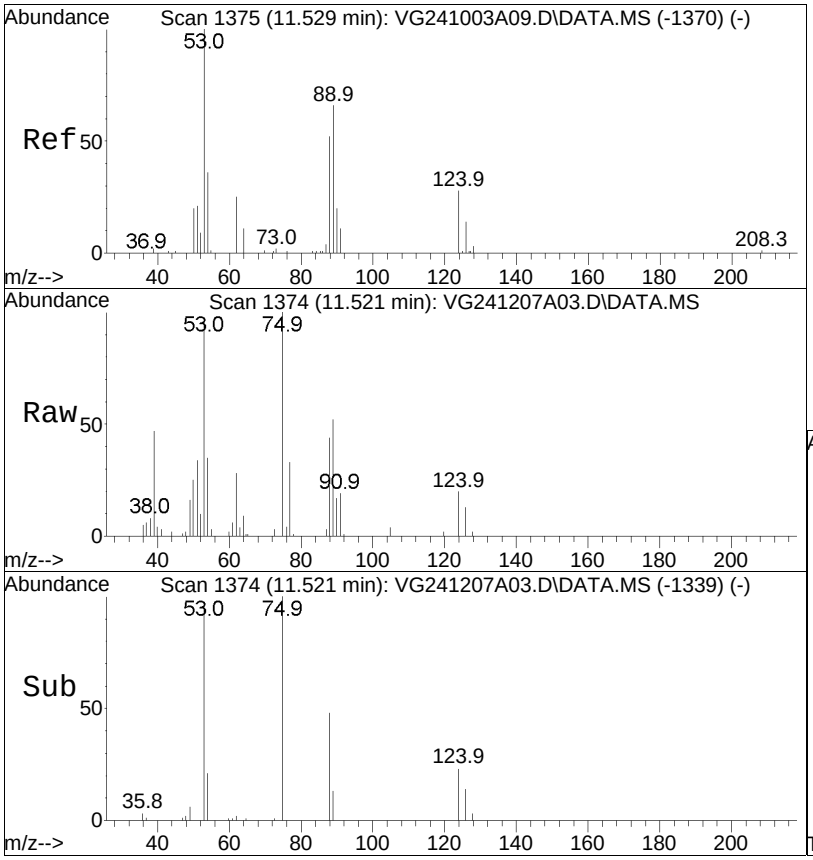


#91
1,2,3-Trichloropropane
Concen: 8.00 ug/L
RT: 11.463 min Scan# 1367
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 75 Resp: 79926

Ion	Ratio	Lower	Upper
75	100		
110	39.4	23.5	48.9
112	26.1	15.9	32.9

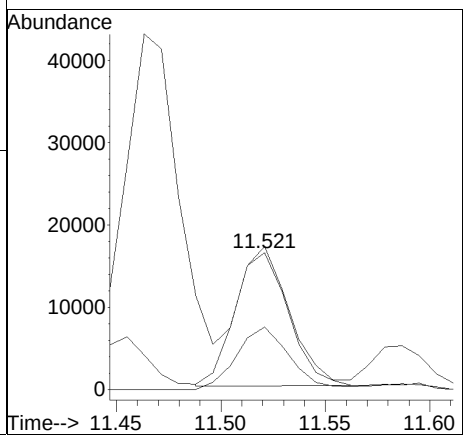


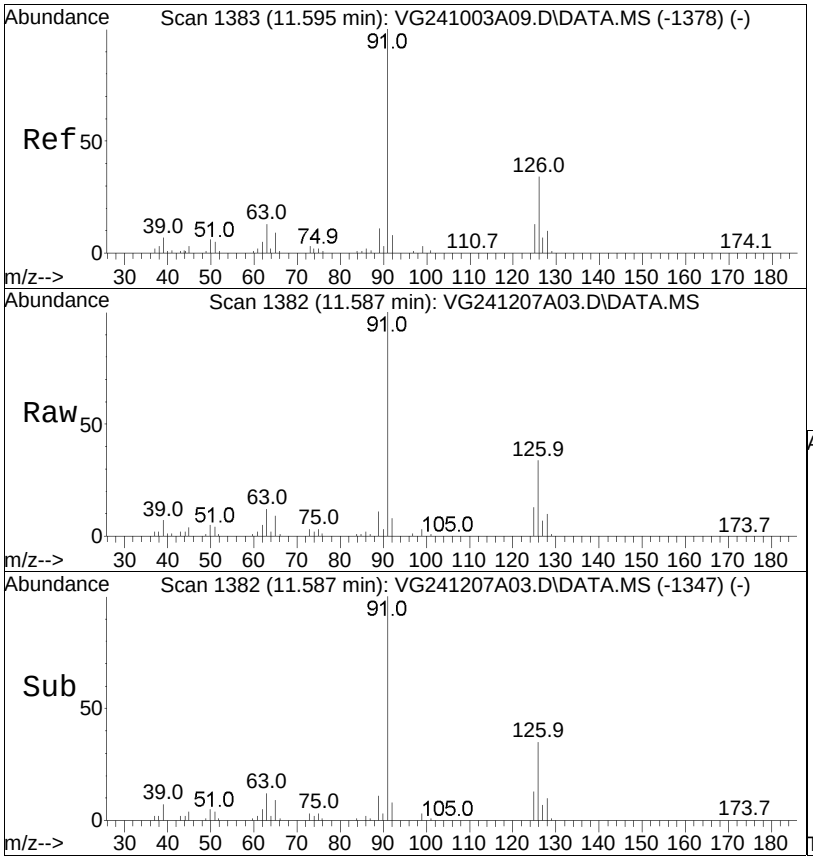


#92
trans-1,4-Dichloro-2-butene
Concen: 7.16 ug/L
RT: 11.521 min Scan# 1374
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 53 Resp: 28852

Ion	Ratio	Lower	Upper
53	100		
88	46.3	41.6	62.4
75	106.7	0.0	0.0#

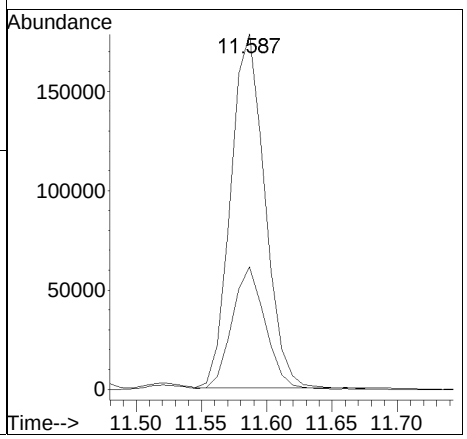


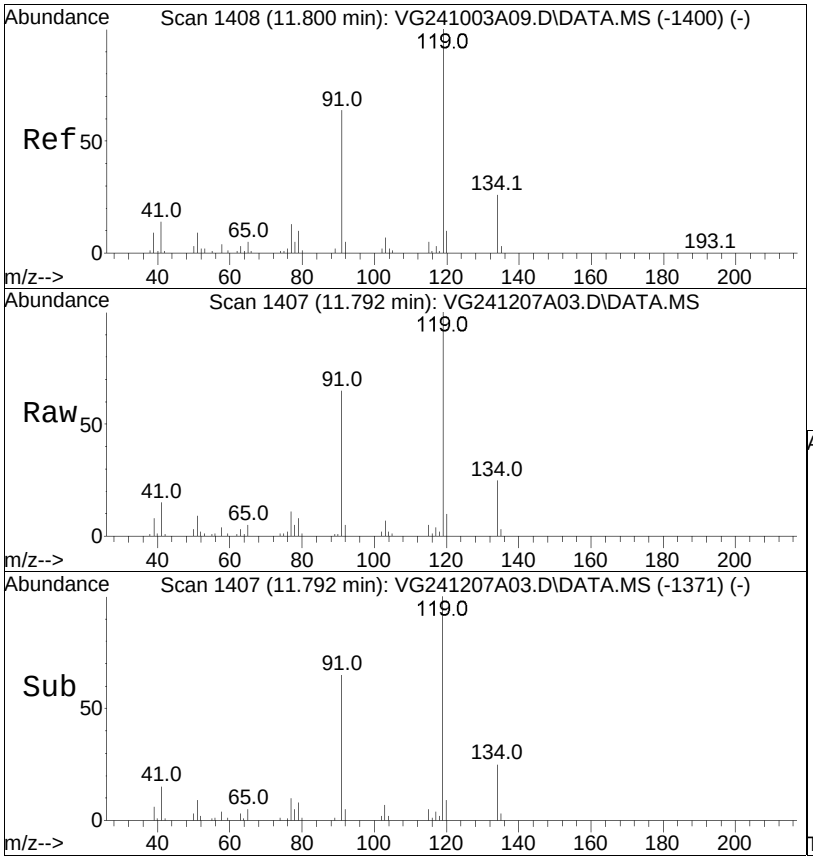


#93
4-Chlorotoluene
Concen: 8.97 ug/L
RT: 11.587 min Scan# 1382
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 91 Resp: 324017

Ion	Ratio	Lower	Upper
91	100		
126	34.0	28.2	42.4

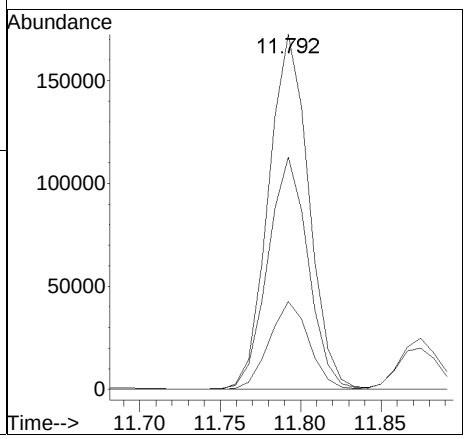


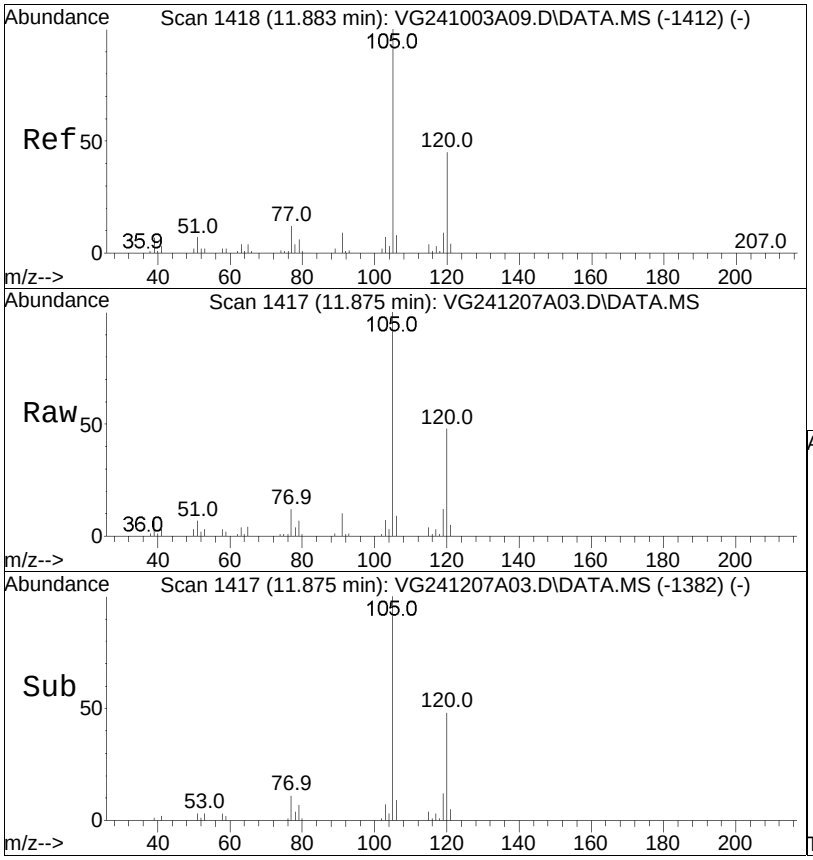


#94
tert-Butylbenzene
Concen: 9.36 ug/L
RT: 11.792 min Scan# 1407
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:119 Resp: 301265

Ion	Ratio	Lower	Upper
119	100		
91	65.8	50.8	76.2
134	24.5	20.2	30.4

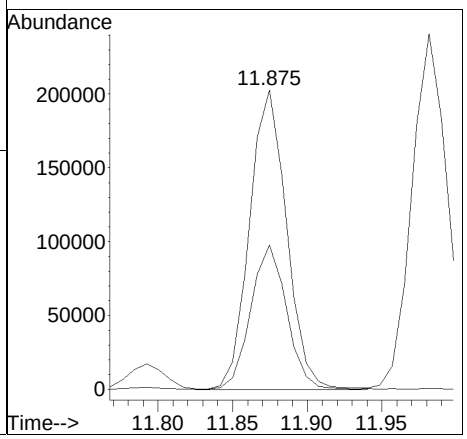


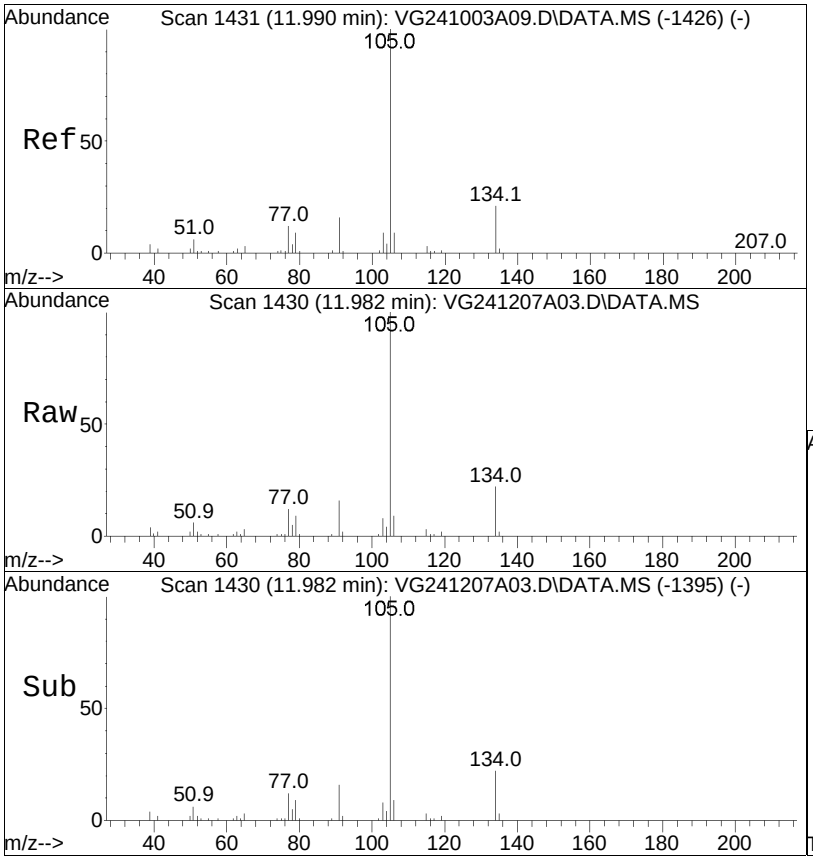


#97
1,2,4-Trimethylbenzene
Concen: 8.79 ug/L
RT: 11.875 min Scan# 1417
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:105 Resp: 349975

Ion	Ratio	Lower	Upper
105	100		
120	46.4	37.8	56.6

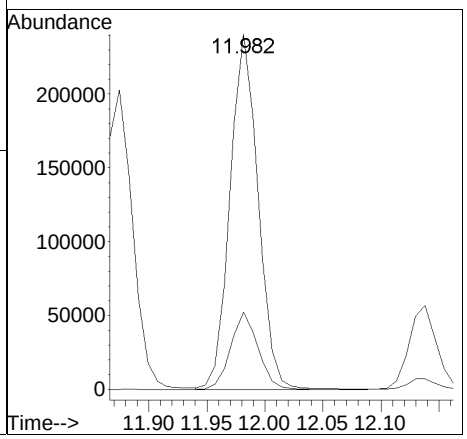


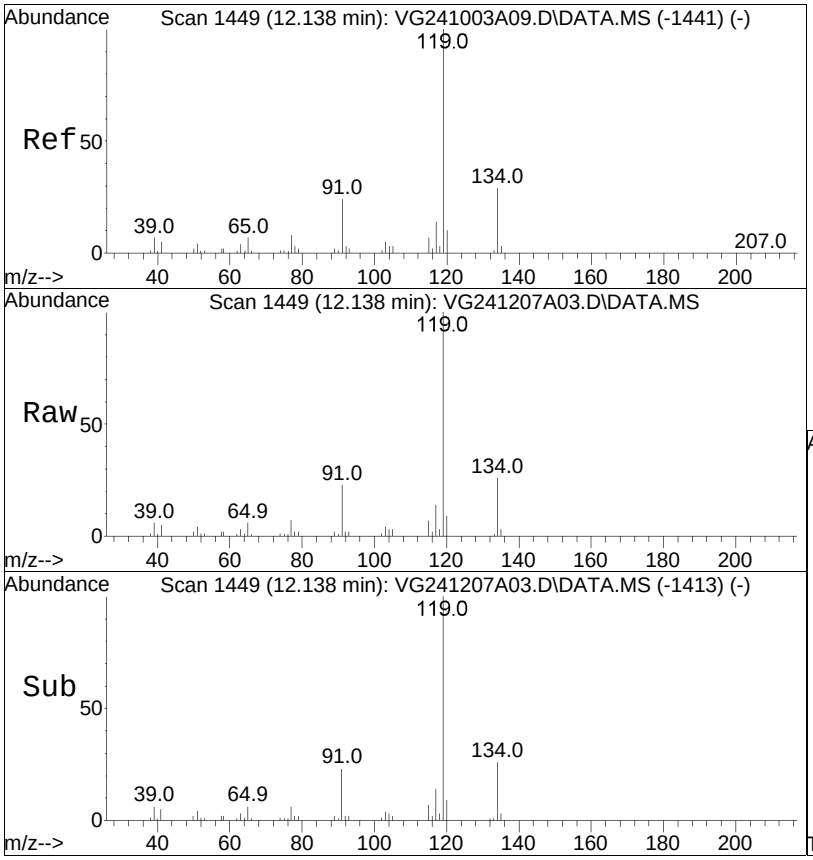


#98
sec-Butylbenzene
Concen: 8.73 ug/L
RT: 11.982 min Scan# 1430
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:105 Resp: 405275

Ion	Ratio	Lower	Upper
105	100		
134	21.1	13.3	27.7

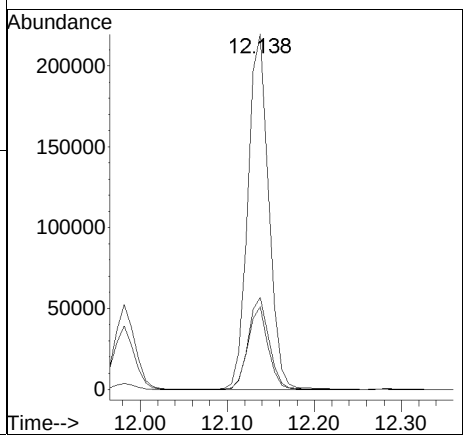


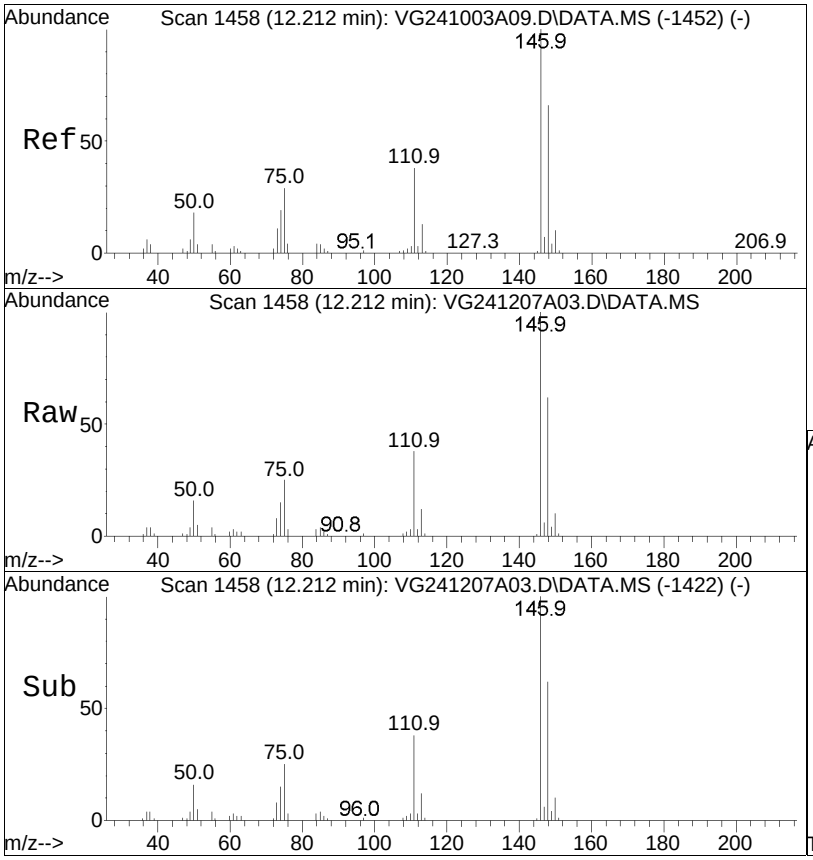


#99
p-Isopropyltoluene
Concen: 9.28 ug/L
RT: 12.138 min Scan# 1449
Delta R.T. -0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:119 Resp: 365444

Ion	Ratio	Lower	Upper
119	100		
134	25.8	17.5	36.3
91	22.7	14.6	30.4

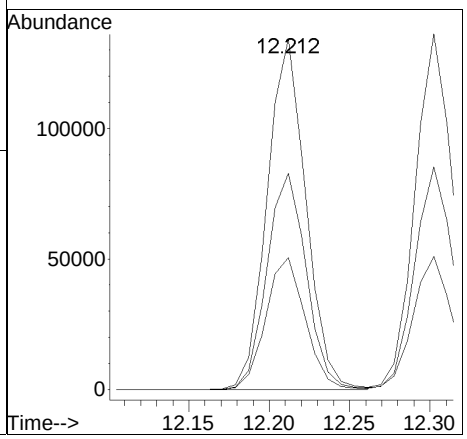


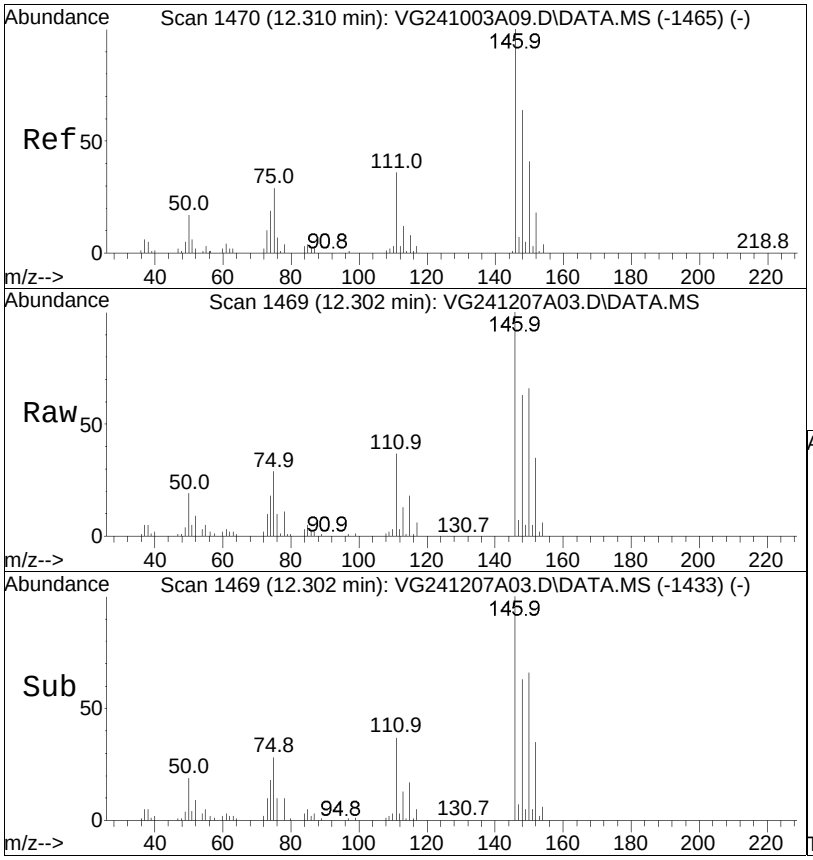


#100
1,3-Dichlorobenzene
Concen: 9.44 ug/L
RT: 12.212 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:146 Resp: 224827

Ion	Ratio	Lower	Upper
146	100		
111	38.3	24.4	50.6
148	62.6	41.0	85.2

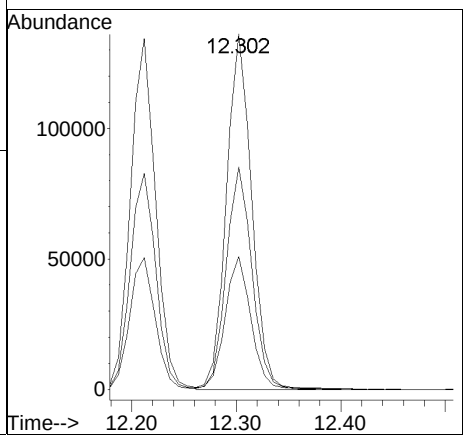


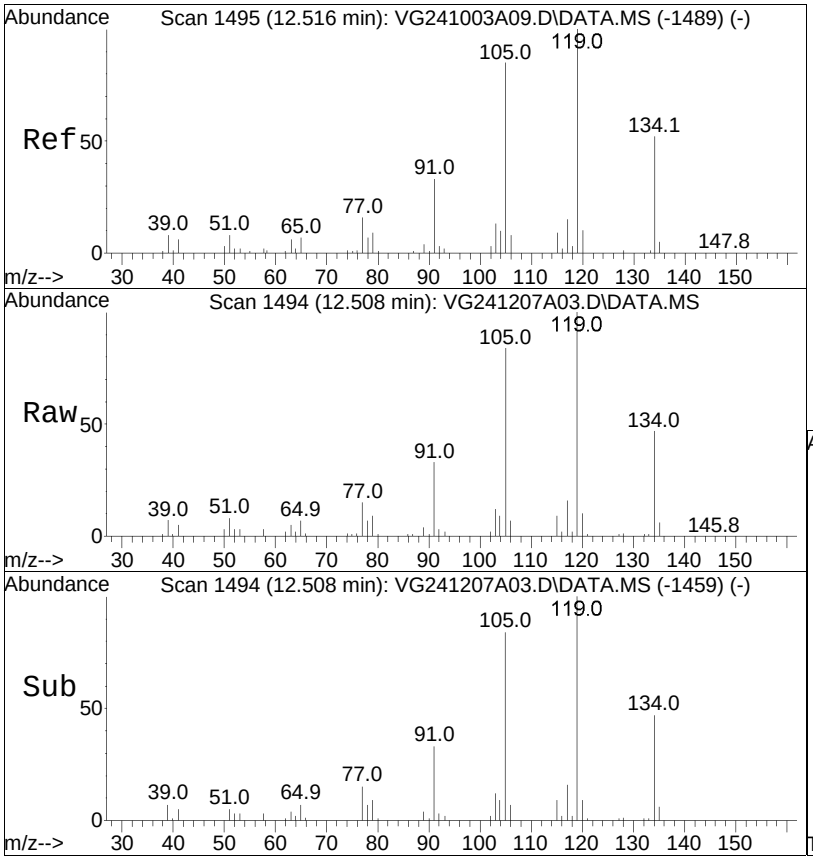


#101
1,4-Dichlorobenzene
Concen: 9.27 ug/L
RT: 12.302 min Scan# 1469
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:146 Resp: 229524

Ion	Ratio	Lower	Upper
146	100		
111	38.1	29.3	43.9
148	63.7	51.2	76.8

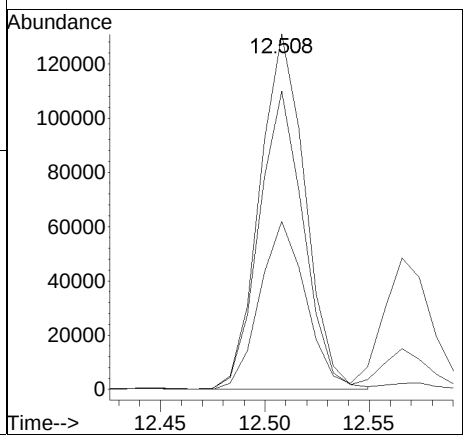


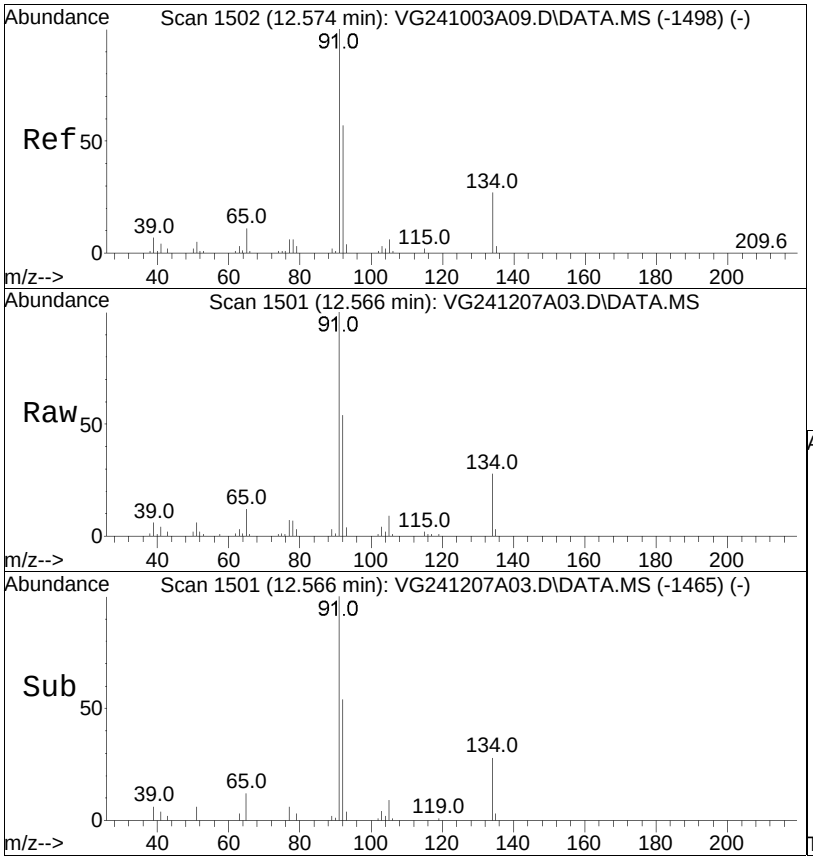


#102
p-Diethylbenzene
Concen: 8.96 ug/L
RT: 12.508 min Scan# 1494
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:119 Resp: 197760

Ion	Ratio	Lower	Upper
119	100		
105	81.8	53.9	112.1
134	48.0	32.0	66.6

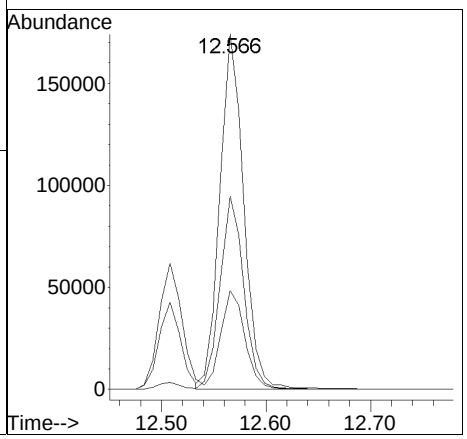


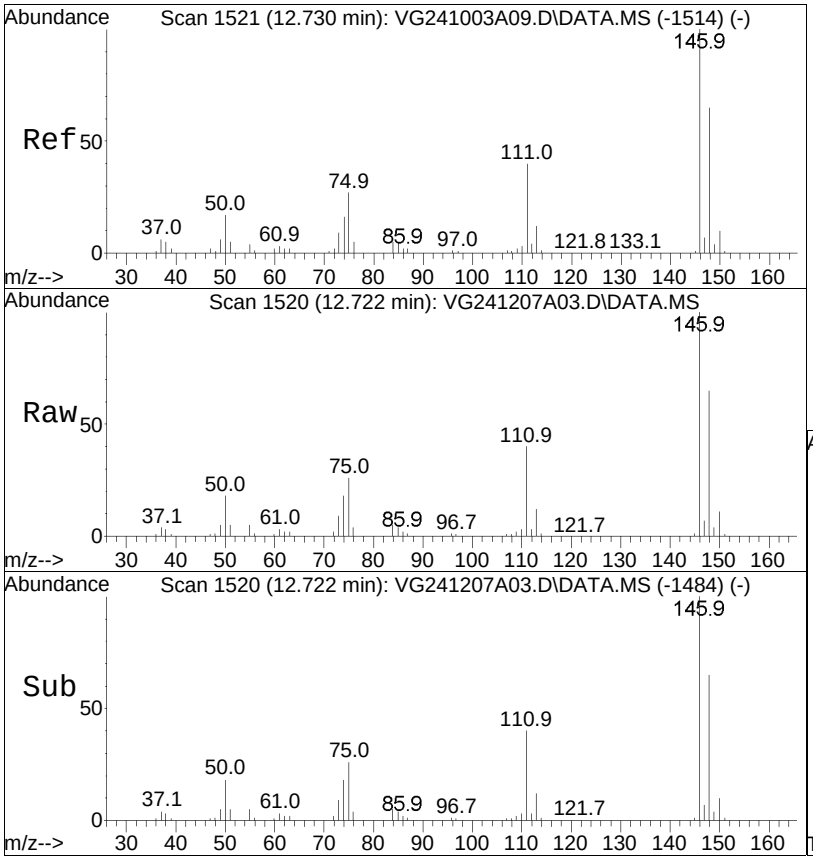


#103
n-Butylbenzene
Concen: 8.75 ug/L
RT: 12.566 min Scan# 1501
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion: 91 Resp: 277446

Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.8	65.8
134	27.7	22.0	33.0

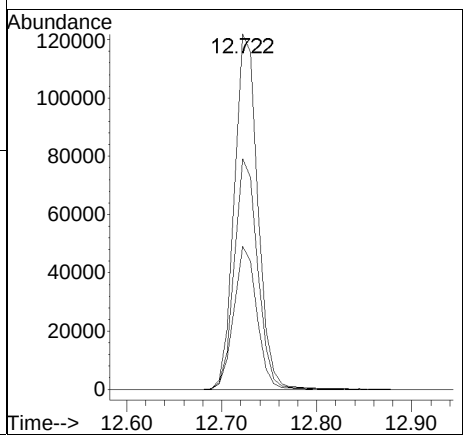


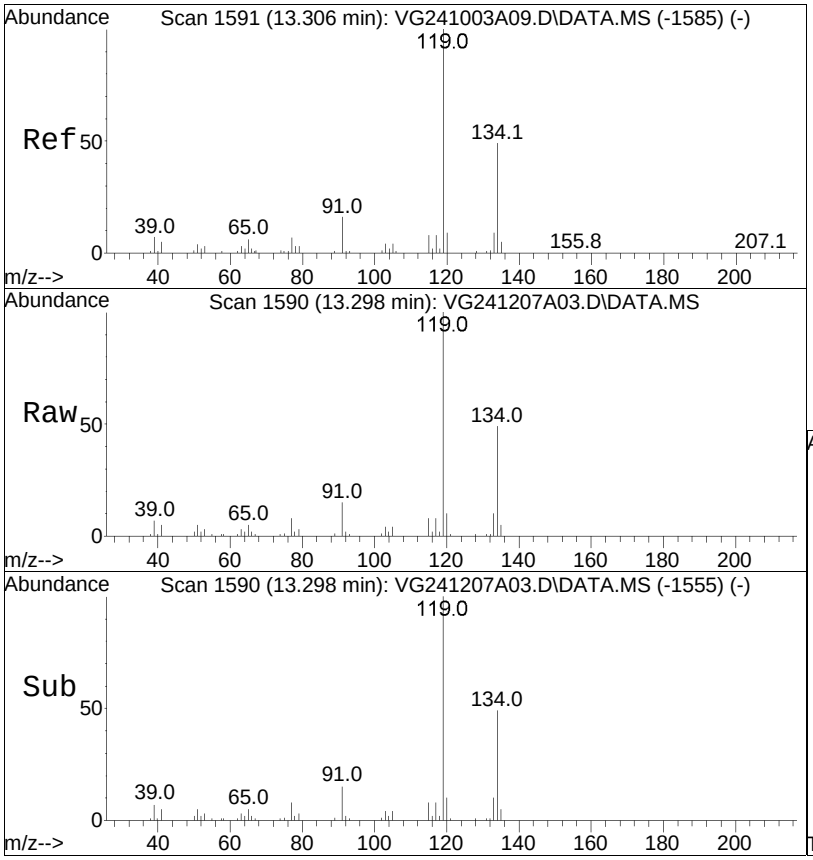


#104
1,2-Dichlorobenzene
Concen: 9.16 ug/L
RT: 12.722 min Scan# 1520
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:146 Resp: 210342

Ion	Ratio	Lower	Upper
146	100		
111	39.4	25.4	52.8
148	64.4	41.7	86.5

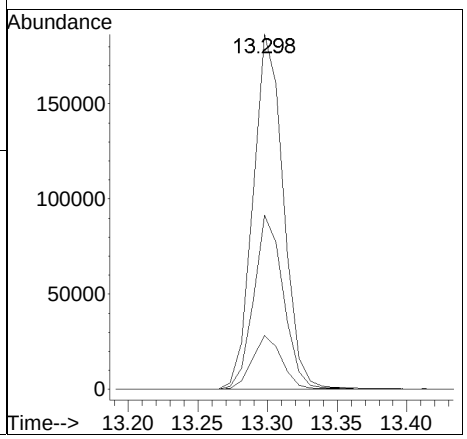


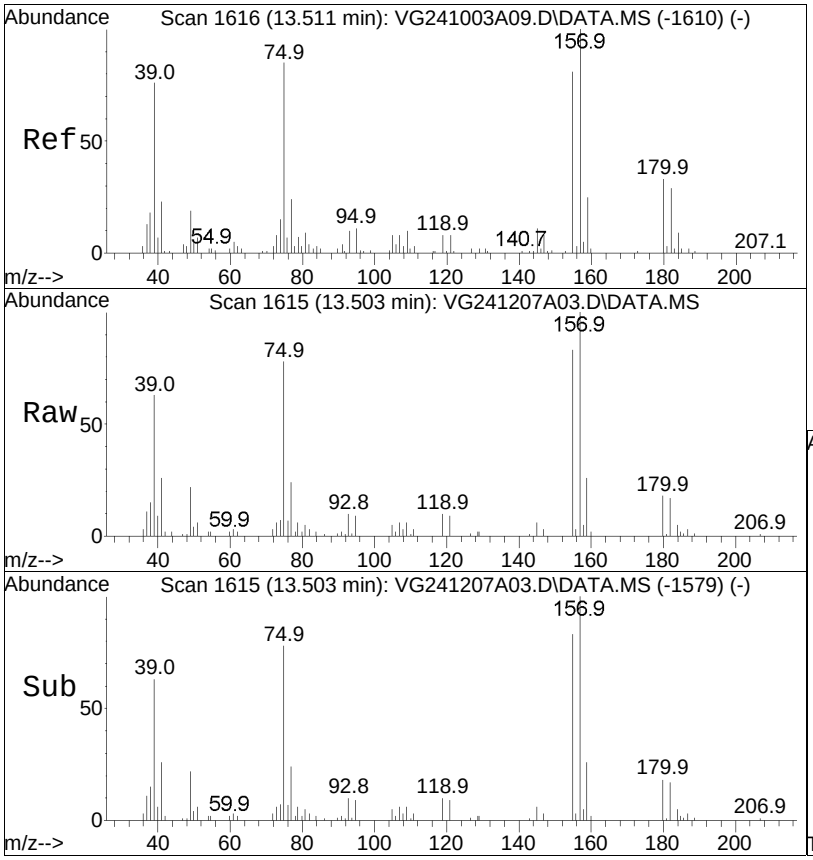


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.12 ug/L
RT: 13.298 min Scan# 1590
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:119 Resp: 283219

Ion	Ratio	Lower	Upper
119	100		
134	48.4	32.7	67.9
91	15.1	9.9	20.7

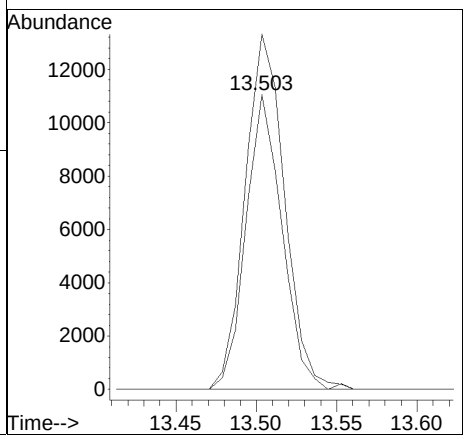


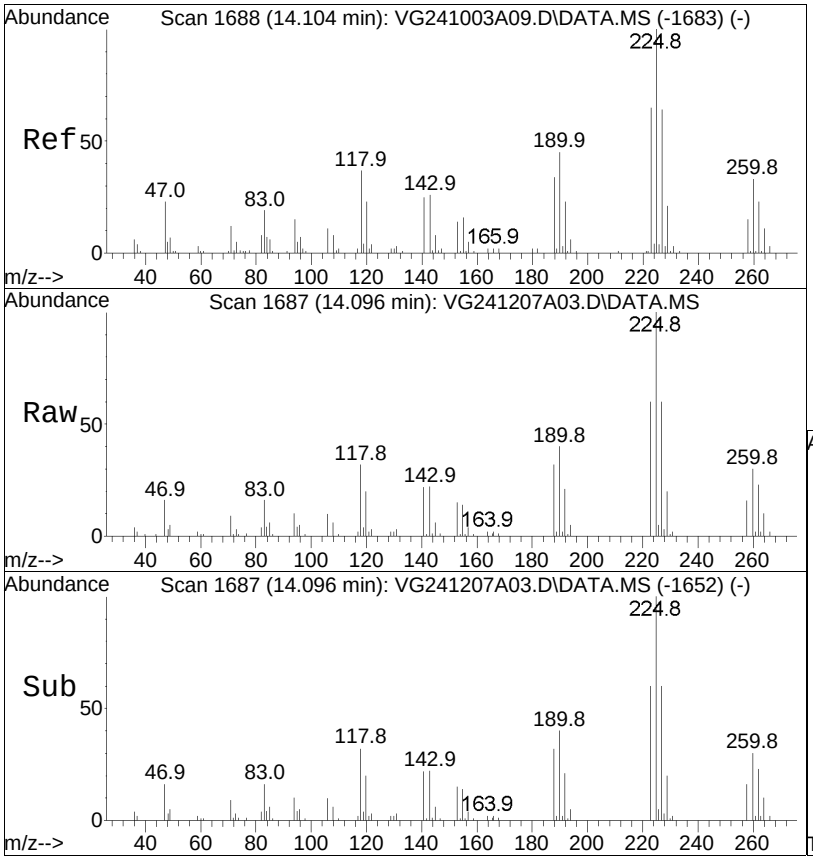


#106
1,2-Dibromo-3-chloropropane
Concen: 8.51 ug/L
RT: 13.503 min Scan# 1615
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:155 Resp: 17338

Ion	Ratio	Lower	Upper
155	100		
157	131.3	99.9	149.9

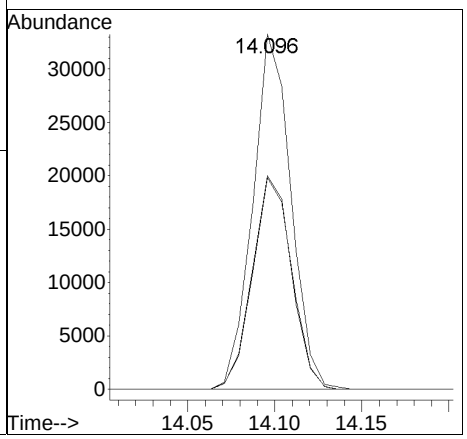


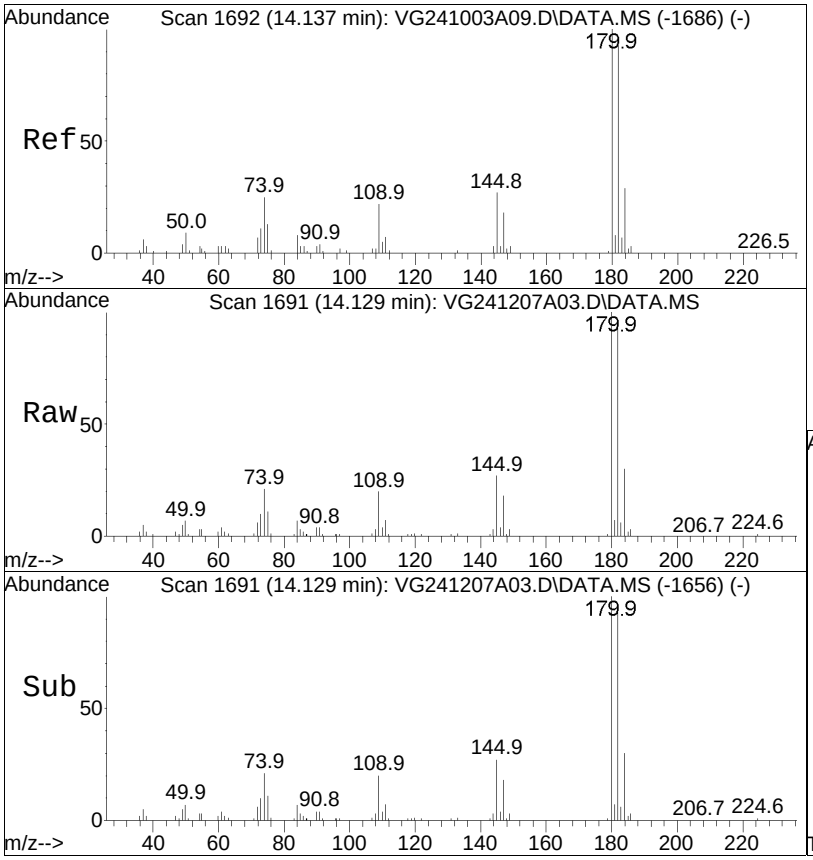


#108
Hexachlorobutadiene
Concen: 10.93 ug/L
RT: 14.096 min Scan# 1687
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:225 Resp: 50735

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.1	75.1
227	61.4	50.2	75.4

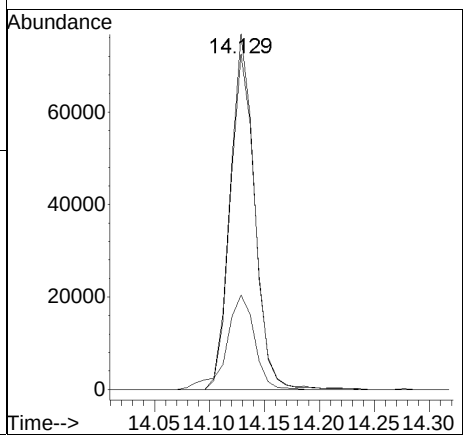


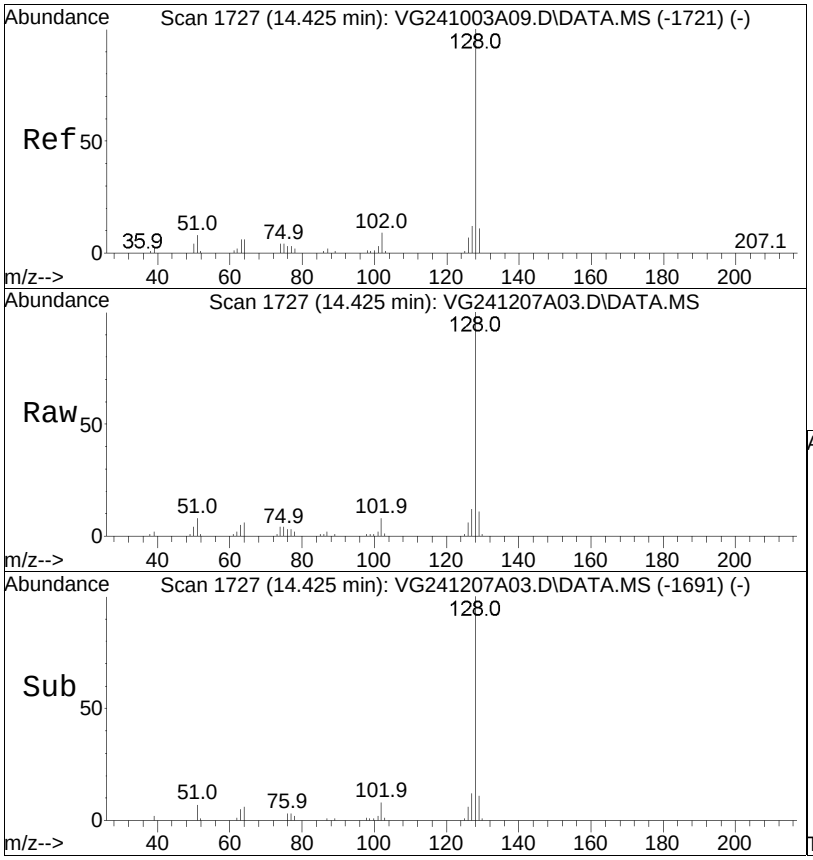


#109
1,2,4-Trichlorobenzene
Concen: 9.68 ug/L
RT: 14.129 min Scan# 1691
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:180 Resp: 118786

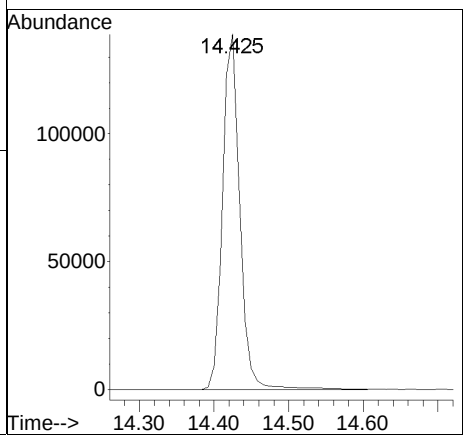
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.7	115.1
145	30.3	26.5	39.7

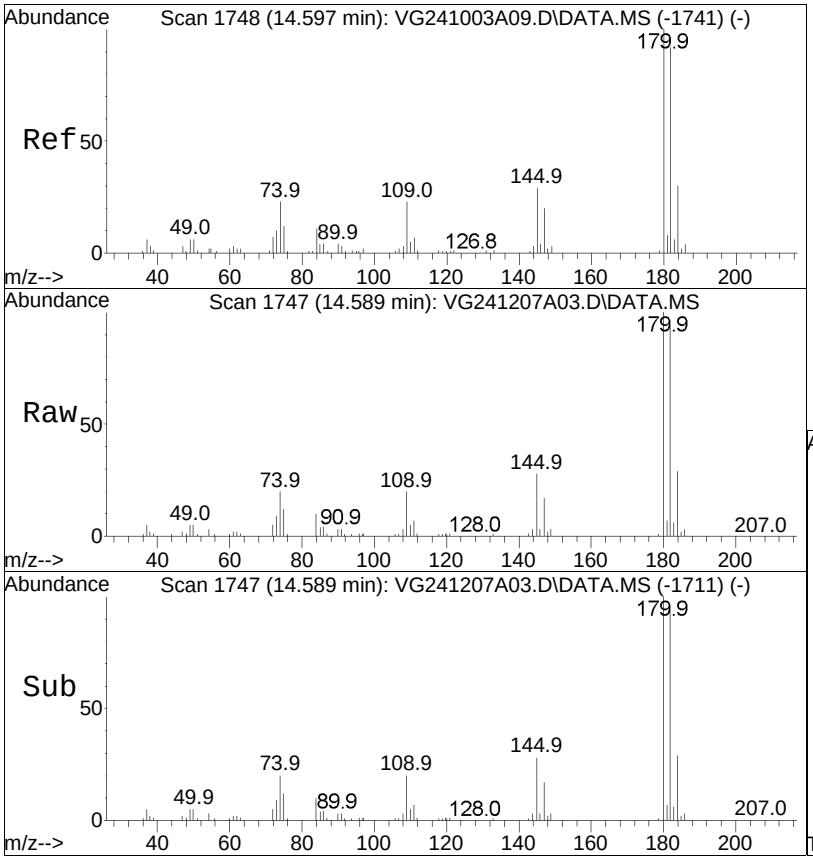




#110
Naphthalene
Concen: 8.59 ug/L
RT: 14.425 min Scan# 1727
Delta R.T. -0.000 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:128 Resp: 223121

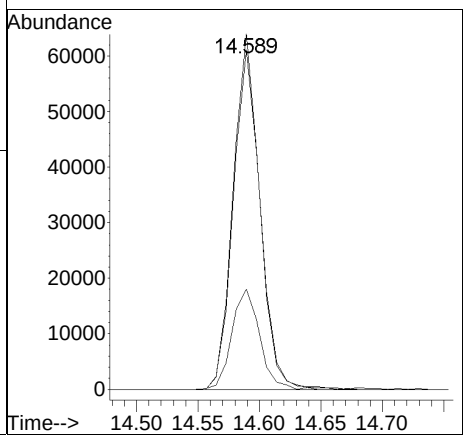




#111
1,2,3-Trichlorobenzene
Concen: 9.34 ug/L
RT: 14.589 min Scan# 1747
Delta R.T. -0.008 min
Lab File: VG241207A03.D
Acq: 7 Dec 2024 1:07 pm

Tgt Ion:180 Resp: 95824

Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.0	115.4
145	29.4	24.1	36.1

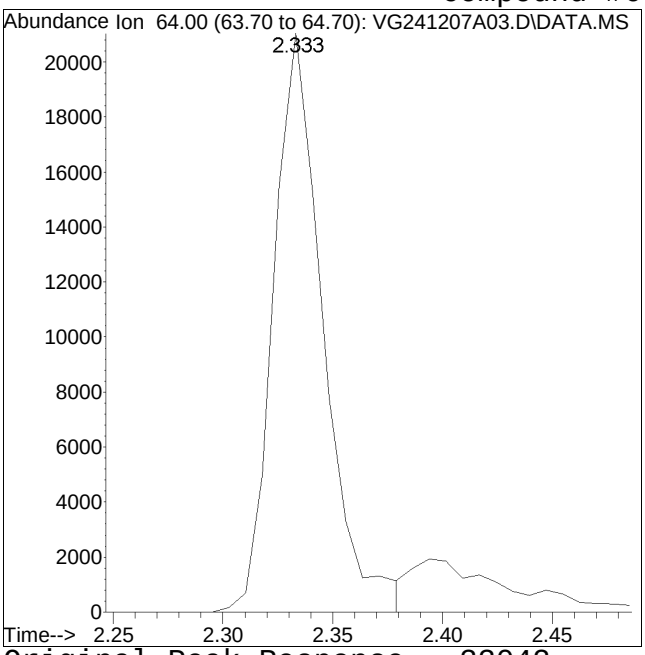


Manual Integration Report

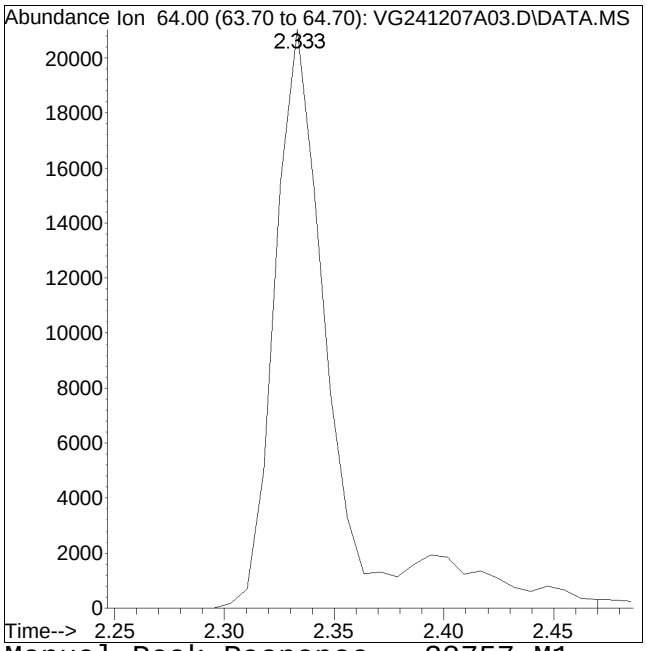
Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A03.D
Date Inj'd : 12/7/2024 1:07 pm
Sample : WG2006760-4,31,10,10

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:33 pm

Compound #6: Chloroethane



Original Peak Response = 33042



Manual Peak Response = 38757 M1

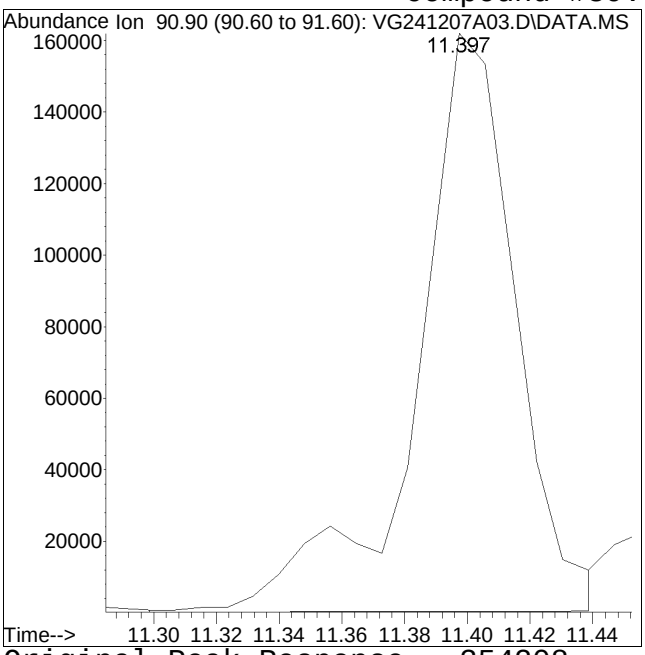
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

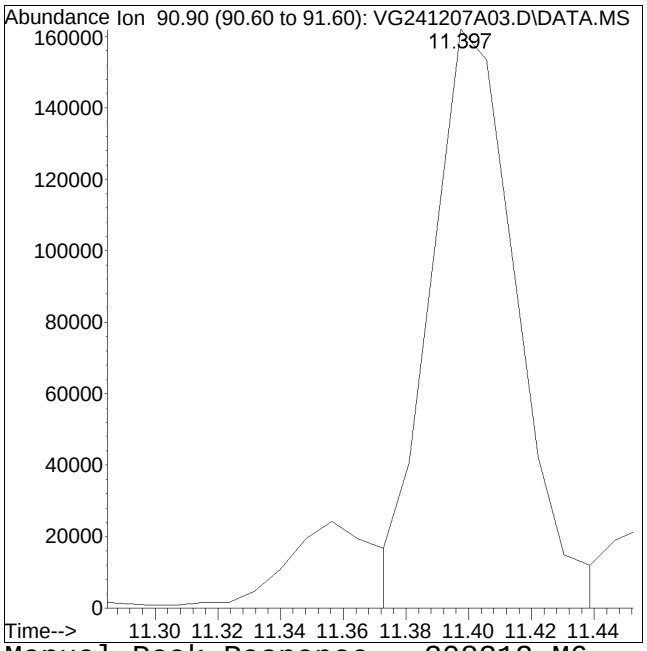
Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A03.D
Date Inj'd : 12/7/2024 1:07 pm
Sample : WG2006760-4,31,10,10

QMethod : G_241003A_8260.m
Operator : GONZO:LAC
Instrument : Gonzo
Quant Date : 12/7/2024 1:33 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 354208



Manual Peak Response = 308312 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A26.D
Acq On : 7 Dec 2024 10:18 pm
Operator : GONZO:MJV
Sample : WG2006732-6,31,10,10,,a2
Misc : WG2006732,ICAL21571
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 09 07:43:19 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.056	96	472492	10.000 ug/L	0.00
Standard Area 1 = 468300			Recovery = 100.90%		
59) Chlorobenzene-d5	9.588	117	368378	10.000 ug/L	-0.02
Standard Area 1 = 363004			Recovery = 101.48%		
79) 1,4-Dichlorobenzene-d4	12.286	152	215864	10.000 ug/L	0.00
Standard Area 1 = 211946			Recovery = 101.85%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.250	113	120095	10.193 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.93%		
43) 1,2-Dichloroethane-d4	5.775	65	144949	10.678 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.78%		
60) Toluene-d8	7.743	98	468308	9.613 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.13%		
83) 4-Bromofluorobenzene	11.085	95	175856	9.295 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.95%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.657	85	75508	7.522 ug/L	98
3) Chloromethane	1.870	50	110477	10.151 ug/L	98
4) Vinyl chloride	1.923	62	88774	8.184 ug/L	99
5) Bromomethane	2.234	94	16984	2.716 ug/L	96
6) Chloroethane	2.333	64	35480	5.690 ug/L	97
7) Trichlorofluoromethane	2.485	101	122681	8.484 ug/L	97
8) Ethyl ether	2.797	74	46825	8.895 ug/L #	71
10) 1,1-Dichloroethene	2.986	96	74538	8.946 ug/L #	79
11) Carbon disulfide	3.017	76	219159	8.659 ug/L	98
15) Methylene chloride	3.549	84	97184	9.702 ug/L #	72
17) Acetone	3.587	43	30673	11.848 ug/L	96
18) trans-1,2-Dichloroethene	3.701	96	84817	9.392 ug/L	84
20) Methyl tert-butyl ether	3.784	73	251400	8.231 ug/L #	87
23) 1,1-Dichloroethane	4.286	63	192218	10.989 ug/L	97
25) Acrylonitrile	4.339	53	32162	9.958 ug/L	92
27) Vinyl acetate	4.521	43	118408	4.830 ug/L #	95
28) cis-1,2-Dichloroethene	4.802	96	101750	9.732 ug/L	86
29) 2,2-Dichloropropane	4.893	77	57772	4.968 ug/L	91
30) Bromochloromethane	5.000	128	49240	10.351 ug/L #	75
32) Chloroform	5.068	83	171220	10.111 ug/L	97

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A26.D
Acq On : 7 Dec 2024 10:18 pm
Operator : GONZO:MJV
Sample : WG2006732-6,31,10,10,,a2
Misc : WG2006732,ICAL21571
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 09 07:43:19 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.197	117	117675	9.115	ug/L		99
37) 1,1,1-Trichloroethane	5.266	97	140334	9.395	ug/L		94
39) 2-Butanone	5.364	43	48574	12.302	ug/L	#	66
40) 1,1-Dichloropropene	5.387	75	105390	8.408	ug/L		99
41) Benzene	5.630	78	383274	9.835	ug/L	#	92
44) 1,2-Dichloroethane	5.843	62	139981	10.605	ug/L		98
48) Trichloroethene	6.230	95	90756	8.676	ug/L		100
50) Dibromomethane	6.679	93	58584	9.840	ug/L		95
51) 1,2-Dichloropropane	6.777	63	108536	10.736	ug/L		98
54) Bromodichloromethane	6.853	83	131371	9.632	ug/L		99
57) 1,4-Dioxane	7.063	88	44572	438.661	ug/L	#	76
58) cis-1,3-Dichloropropene	7.543	75	127052	8.222	ug/L		93
61) Toluene	7.800	92	226464	8.834	ug/L		98
62) 4-Methyl-2-pentanone	8.237	58	31842	8.868	ug/L		86
63) Tetrachloroethene	8.252	166	90516	8.162	ug/L		97
65) trans-1,3-Dichloropropene	8.295	75	116609	7.802	ug/L		99
68) 1,1,2-Trichloroethane	8.481	83	68178	8.744	ug/L		100
69) Chlorodibromomethane	8.689	129	103265	9.574	ug/L		98
70) 1,3-Dichloropropane	8.803	76	145862	9.421	ug/L		99
71) 1,2-Dibromoethane	8.968	107	81984	8.885	ug/L		100
72) 2-Hexanone	9.255	43	56441	8.786	ug/L		93
73) Chlorobenzene	9.612	112	254498	9.239	ug/L		99
74) Ethylbenzene	9.645	91	392794	7.973	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.694	131	97964	9.279	ug/L		99
76) p/m Xylene	9.834	106	303071	16.170	ug/L		95
77) o Xylene	10.377	106	305891	16.852	ug/L		93
78) Styrene	10.443	104	529033	17.125	ug/L		97
80) Bromoform	10.476	173	69727	8.987	ug/L		98
82) Isopropylbenzene	10.747	105	350019	7.335	ug/L		99
84) Bromobenzene	11.192	156	120519	9.331	ug/L		97
85) n-Propylbenzene	11.233	91	388495	6.991	ug/L		100
87) 1,1,2,2-Tetrachloroethane	11.332	83	104064	8.615	ug/L		100
88) 4-Ethyltoluene	11.356	105	329814	7.249	ug/L		100
89) 2-Chlorotoluene	11.397	91	275558M6	8.131	ug/L		
90) 1,3,5-Trimethylbenzene	11.455	105	301588	7.486	ug/L		99
91) 1,2,3-Trichloropropane	11.463	75	81687	8.279	ug/L		96
92) trans-1,4-Dichloro-2-b...	11.521	53	18769	4.716	ug/L	#	94
93) 4-Chlorotoluene	11.587	91	279895	7.846	ug/L		99
94) tert-Butylbenzene	11.792	119	244737	7.702	ug/L		99

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A26.D
Acq On : 7 Dec 2024 10:18 pm
Operator : GONZO:MJV
Sample : WG2006732-6,31,10,10,,a2
Misc : WG2006732,ICAL21571
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 09 07:43:19 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.874	105	296184	7.535	ug/L	100
98)	sec-Butylbenzene	11.981	105	316640	6.909	ug/L	99
99)	p-Isopropyltoluene	12.138	119	282882	7.278	ug/L	100
100)	1,3-Dichlorobenzene	12.212	146	202272	8.597	ug/L	99
101)	1,4-Dichlorobenzene	12.302	146	205504	8.409	ug/L	98
102)	p-Diethylbenzene	12.508	119	155851	7.148	ug/L	97
103)	n-Butylbenzene	12.566	91	202973	6.485	ug/L	98
104)	1,2-Dichlorobenzene	12.722	146	202955	8.947	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.298	119	246223	8.029	ug/L	97
106)	1,2-Dibromo-3-chloropr...	13.503	155	16750	8.323	ug/L	92
108)	Hexachlorobutadiene	14.096	225	37511	8.184	ug/L	99
109)	1,2,4-Trichlorobenzene	14.129	180	107160	8.847	ug/L	98
110)	Naphthalene	14.425	128	220563	8.598	ug/L	100
111)	1,2,3-Trichlorobenzene	14.589	180	90489	8.930	ug/L	99

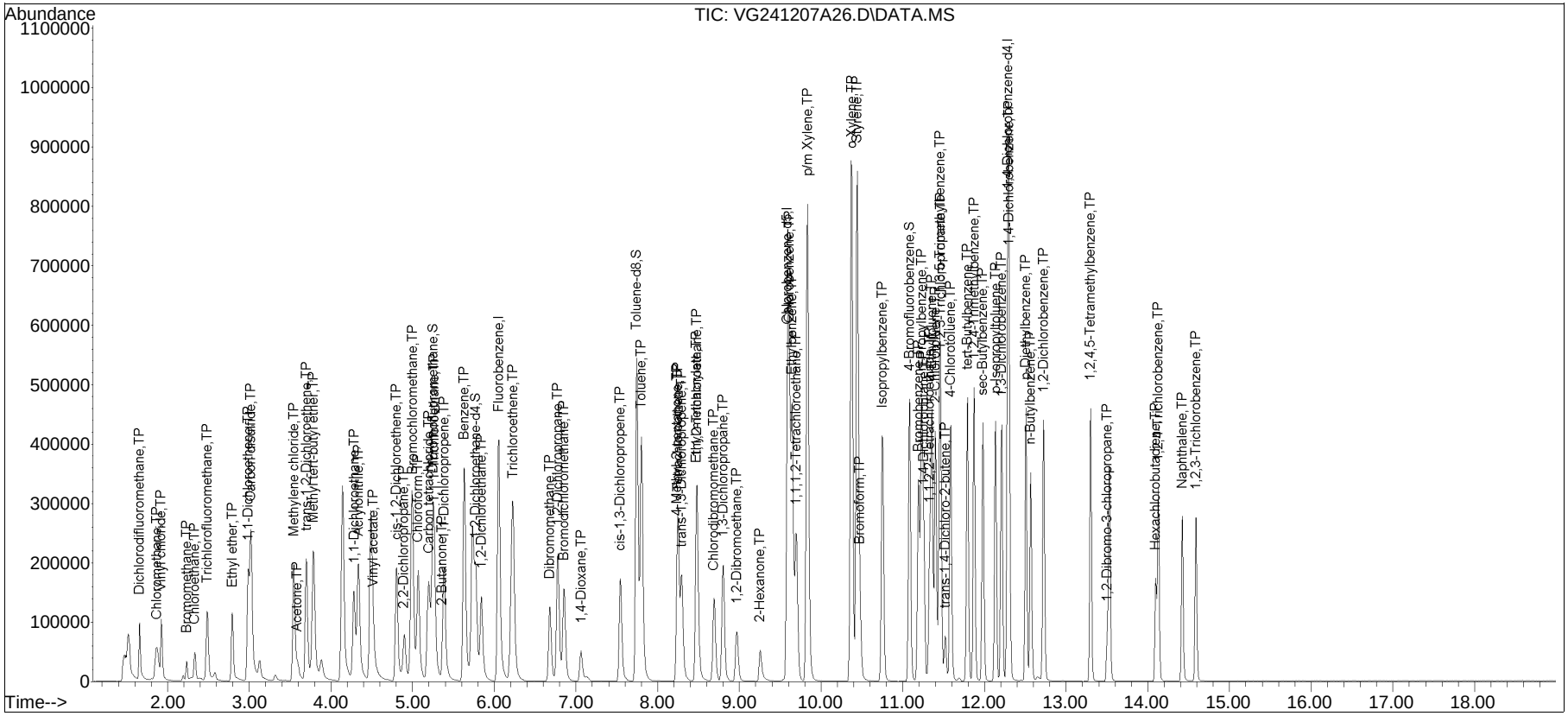
(#) = qualifier out of range (m) = manual integration (+) = signals summed

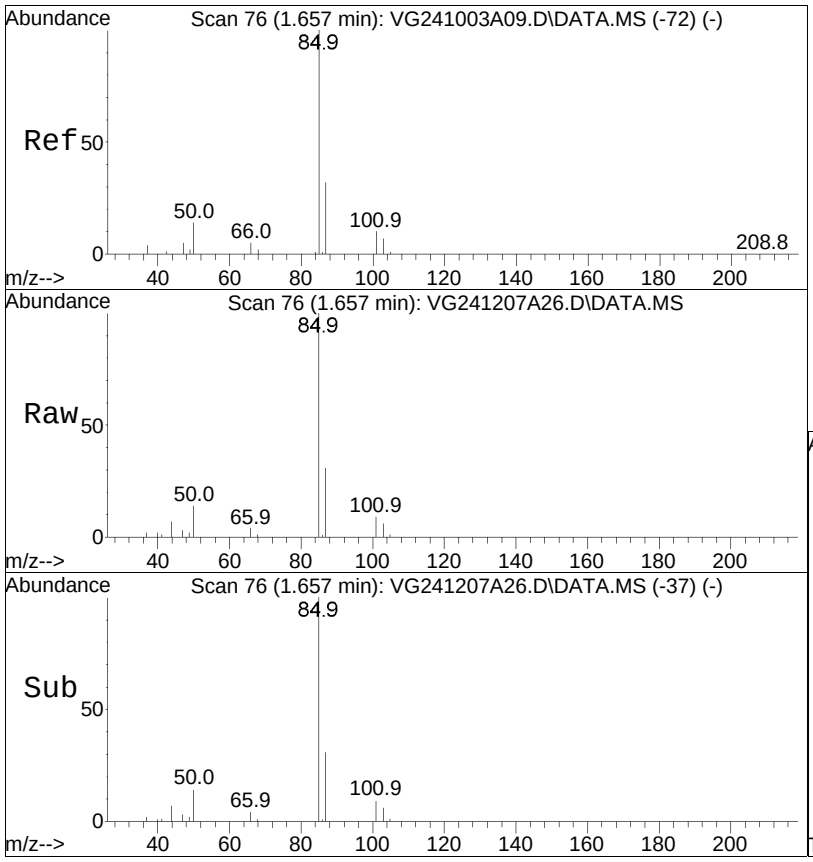
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A26.D
Acq On : 7 Dec 2024 10:18 pm
Operator : GONZO:MJV
Sample : WG2006732-6,31,10,10,,a2
Misc : WG2006732,ICAL21571
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 09 07:43:19 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1207A02.D•

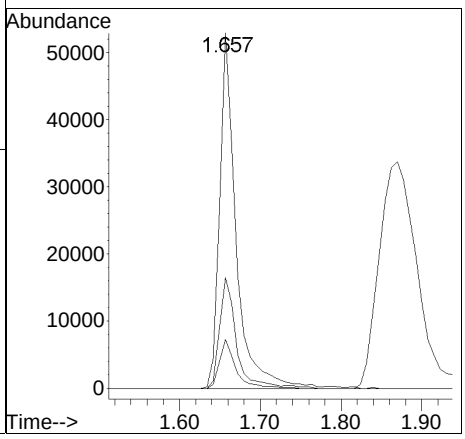


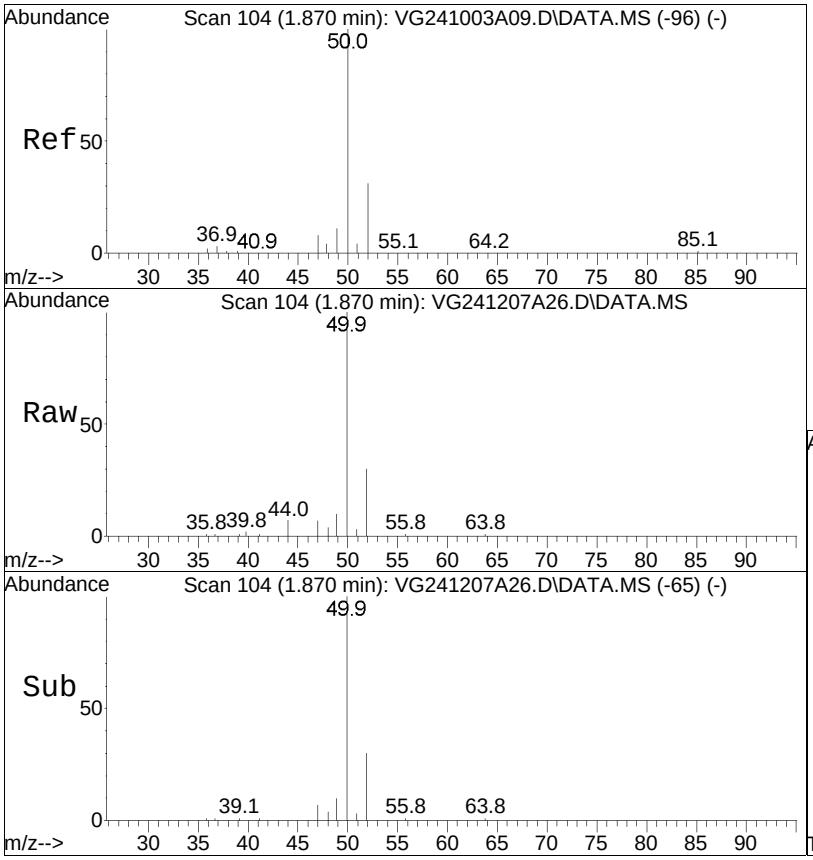


#2
Dichlorodifluoromethane
Concen: 7.52 ug/L
RT: 1.657 min Scan# 76
Delta R.T. -0.000 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 85 Resp: 75508

Ion	Ratio	Lower	Upper
85	100		
87	31.9	20.7	42.9
50	13.6	7.5	15.5

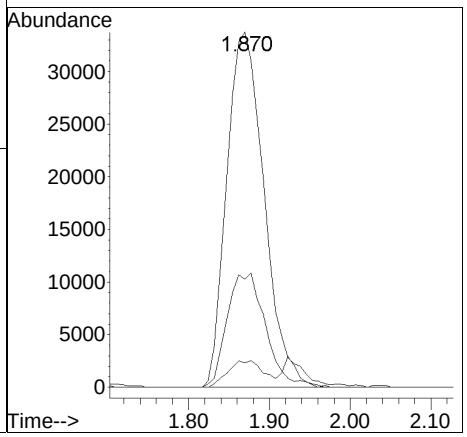


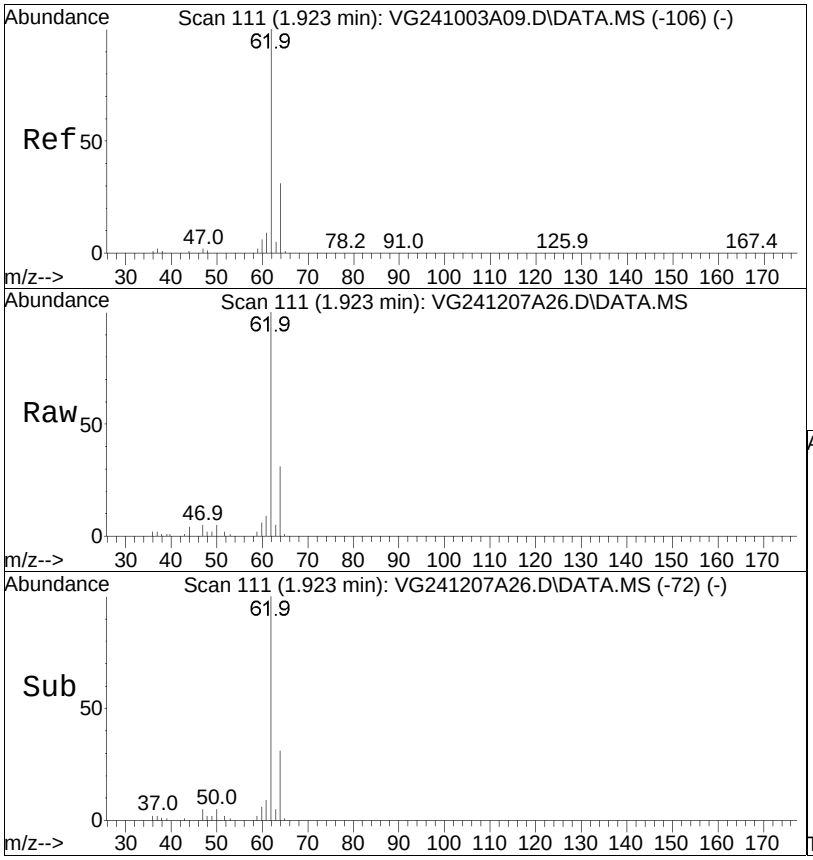


#3
Chloromethane
Concen: 10.15 ug/L
RT: 1.870 min Scan# 104
Delta R.T. -0.000 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 50 Resp: 110477

Ion	Ratio	Lower	Upper
50	100		
52	32.5	11.7	51.7
47	7.2	0.0	28.0

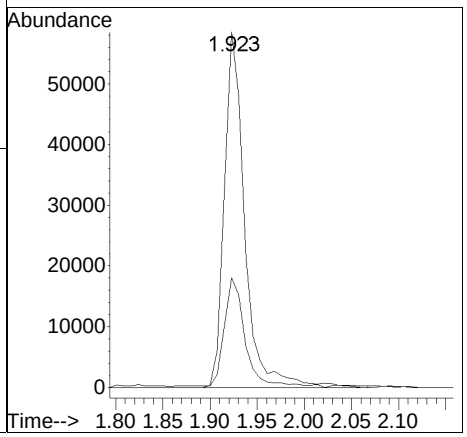


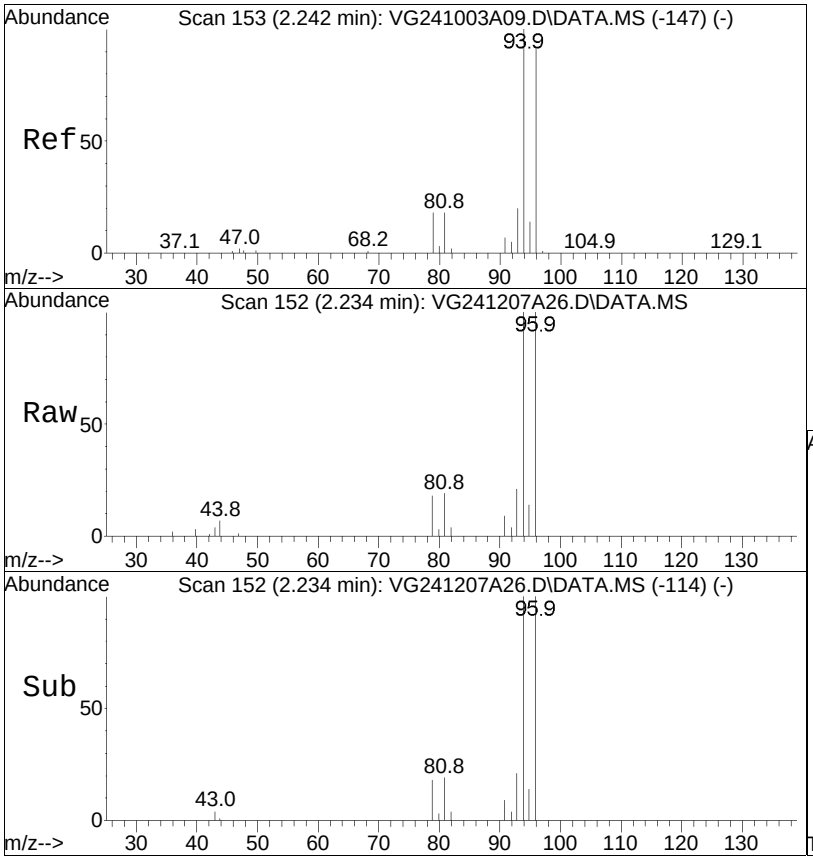


#4
Vinyl chloride
Concen: 8.18 ug/L
RT: 1.923 min Scan# 111
Delta R.T. -0.000 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 62 Resp: 88774

Ion	Ratio	Lower	Upper
62	100		
64	31.7	11.3	51.3

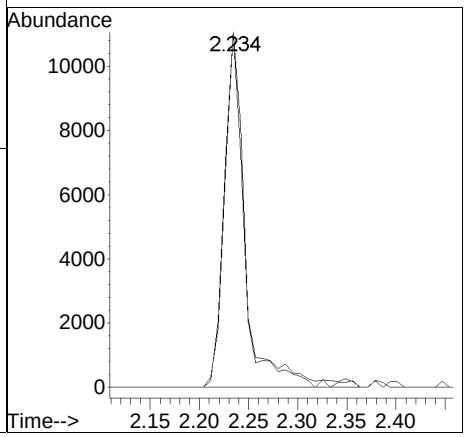


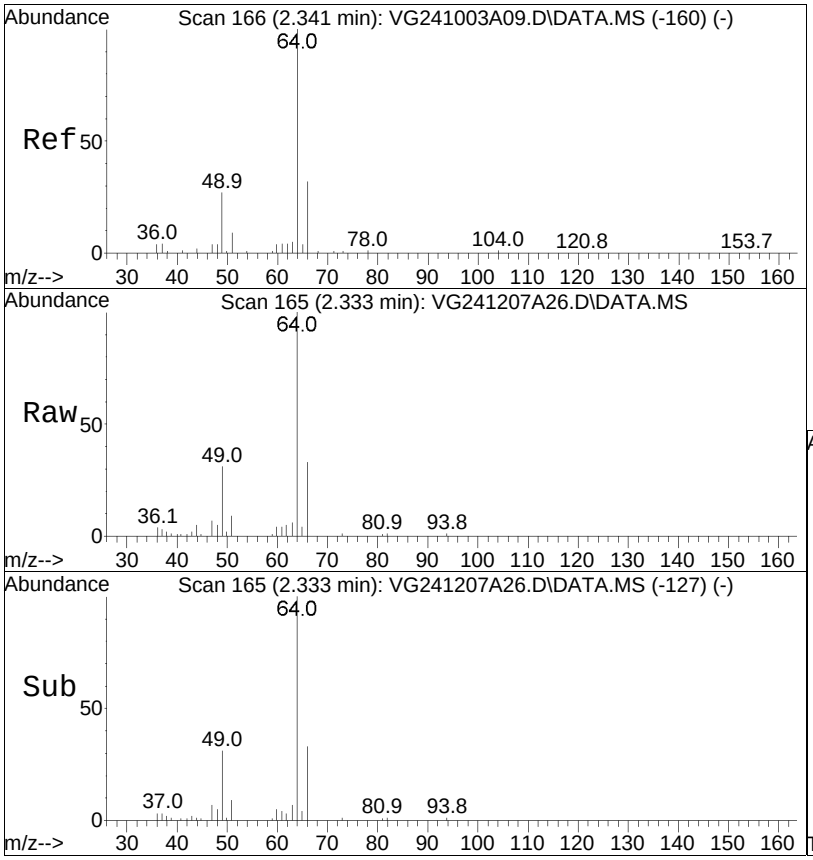


#5
Bromomethane
Concen: 2.72 ug/L
RT: 2.234 min Scan# 152
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 94 Resp: 16984

Ion	Ratio	Lower	Upper
94	100		
96	91.0	75.2	115.2

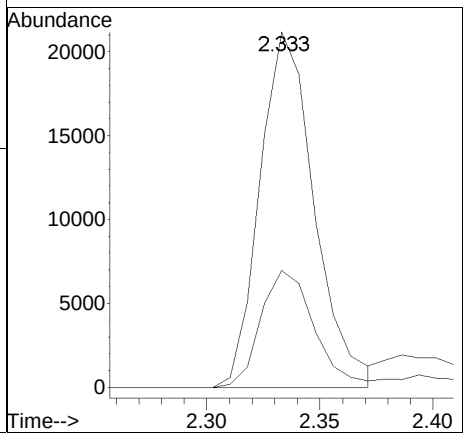


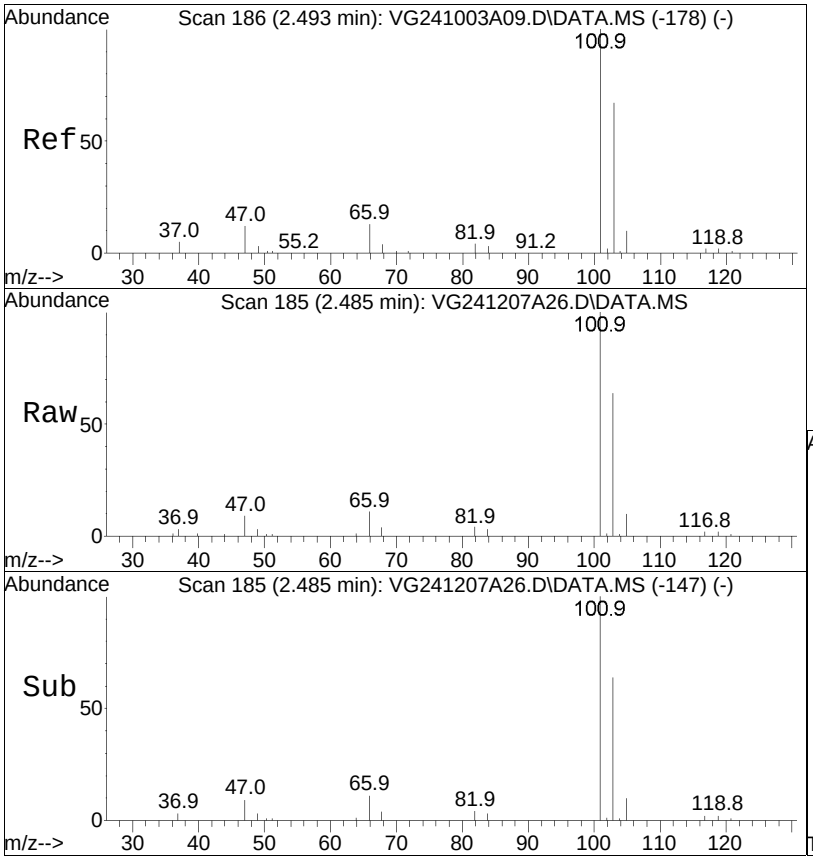


#6
Chloroethane
Concen: 5.69 ug/L
RT: 2.333 min Scan# 165
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 64 Resp: 35480

Ion	Ratio	Lower	Upper
64	100		
66	32.3	13.7	53.7

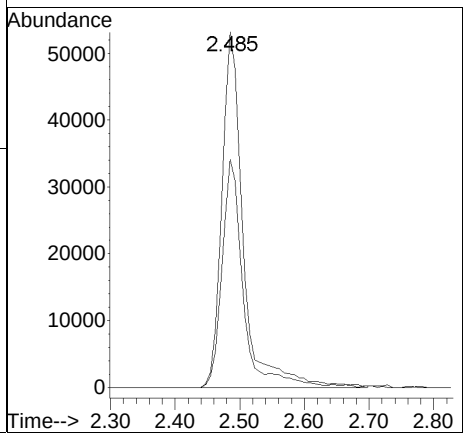


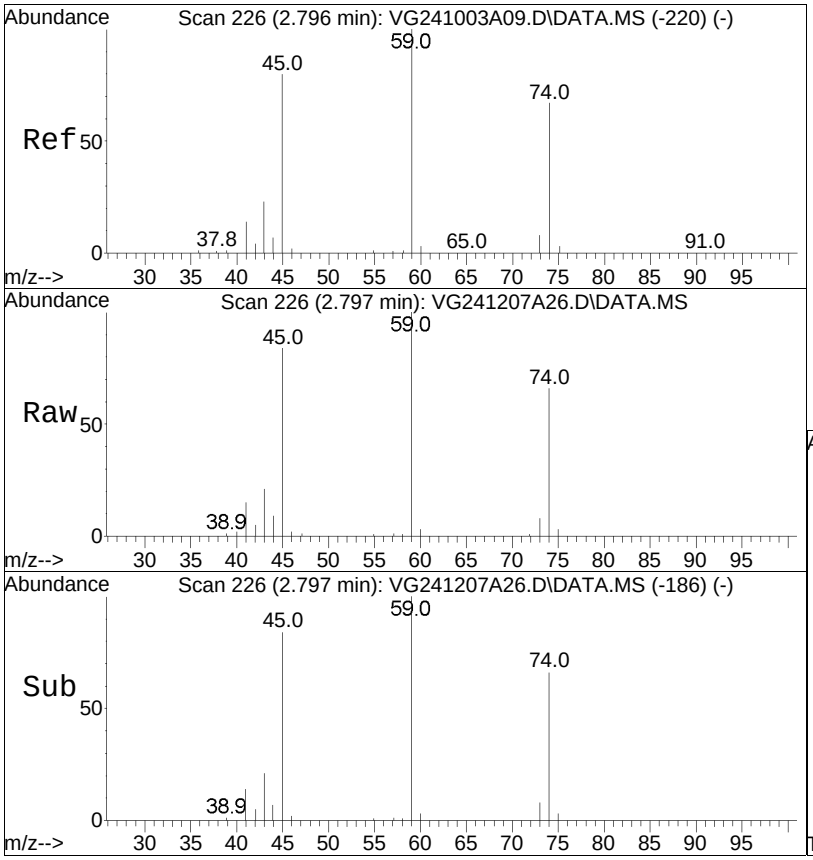


#7
Trichlorofluoromethane
Concen: 8.48 ug/L
RT: 2.485 min Scan# 185
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:101 Resp: 122681

Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.2	78.2

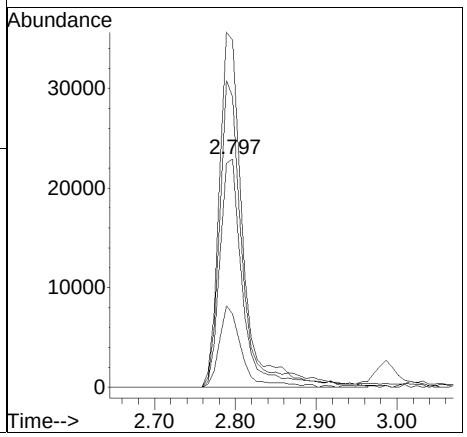


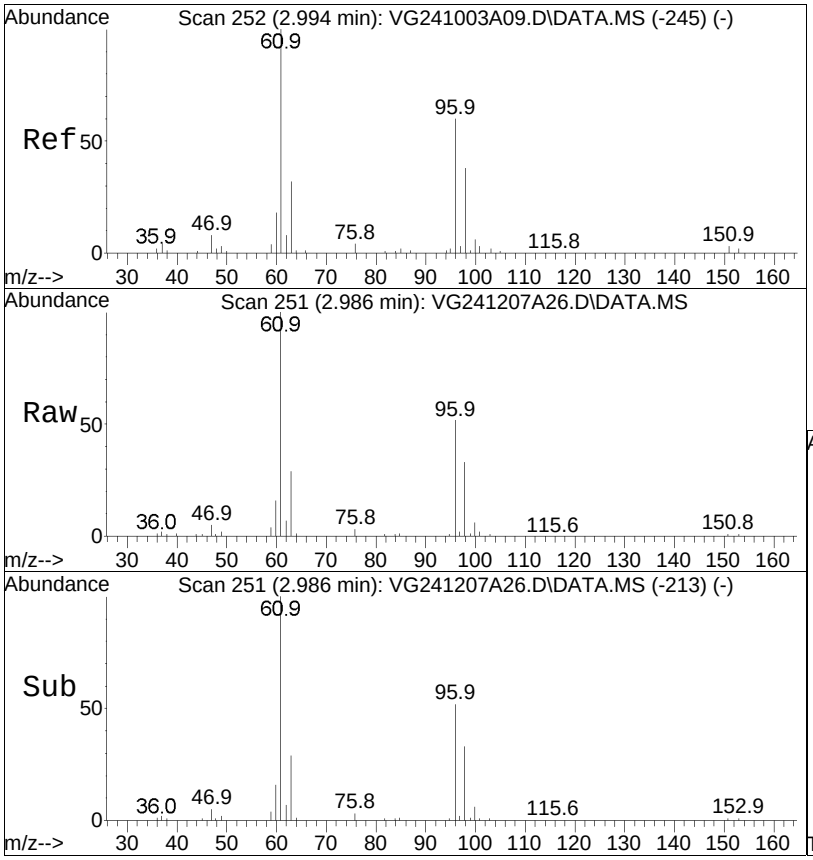


#8
Ethyl ether
Concen: 8.90 ug/L
RT: 2.797 min Scan# 226
Delta R.T. 0.001 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 74 Resp: 46825

Ion	Ratio	Lower	Upper
74	100		
59	157.1	83.5	173.3
45	129.2	59.7	123.9#
43	34.2	17.6	36.6

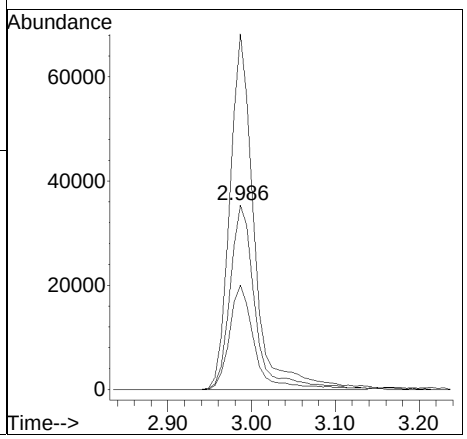


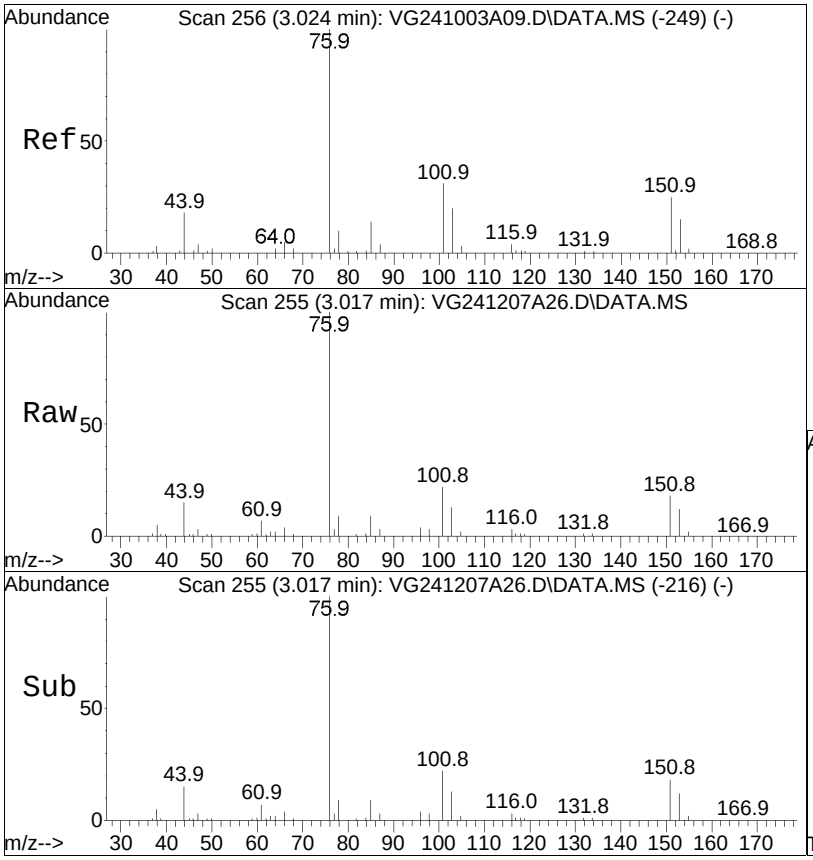


#10
1,1-Dichloroethene
Concen: 8.95 ug/L
RT: 2.986 min Scan# 251
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 96 Resp: 74538

Ion	Ratio	Lower	Upper
96	100		
61	186.8	124.2	186.4#
63	56.8	40.0	60.0

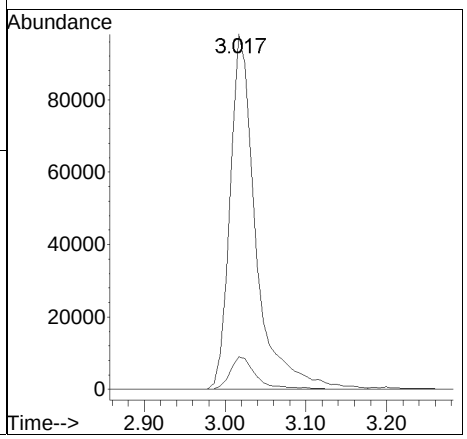


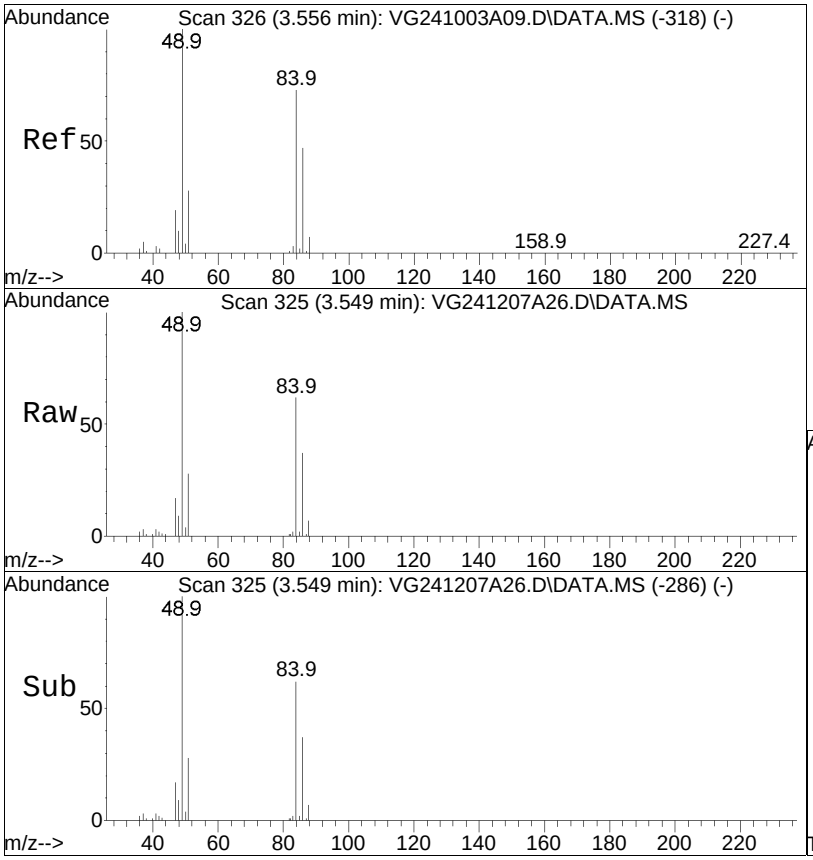


#11
Carbon disulfide
Concen: 8.66 ug/L
RT: 3.017 min Scan# 255
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 76 Resp: 219159

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	13.6

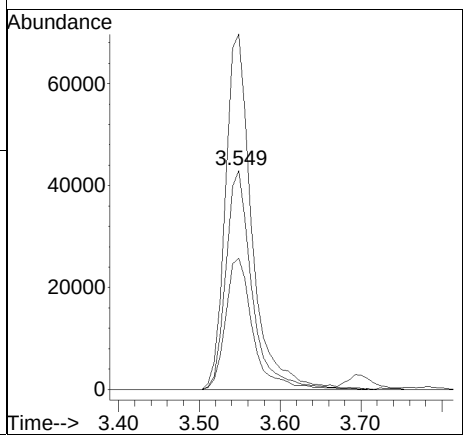


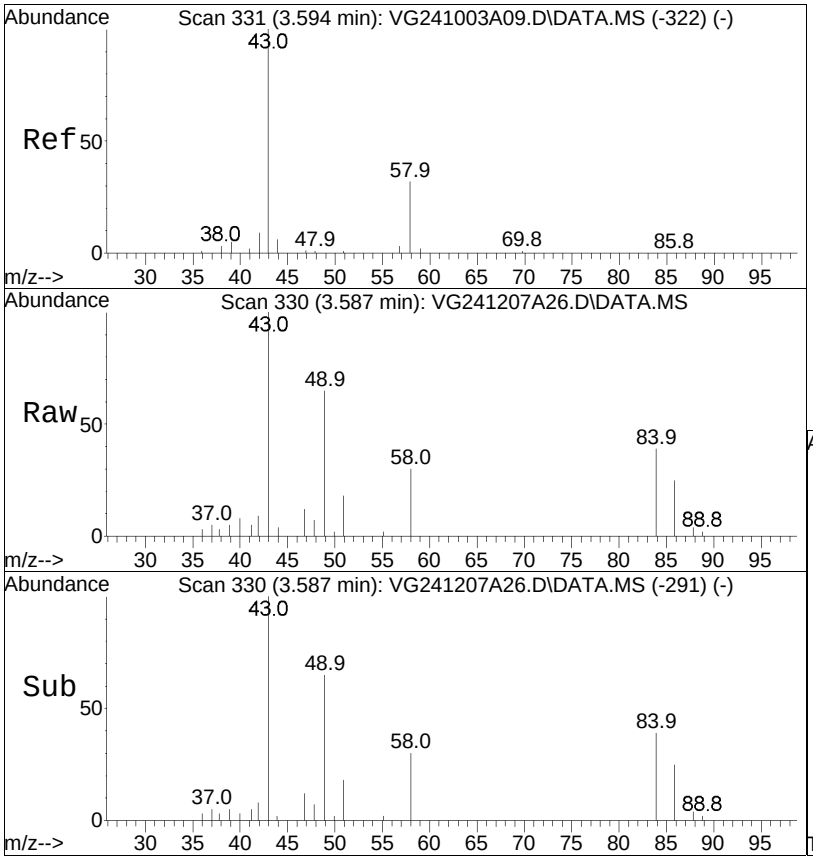


#15
Methylene chloride
Concen: 9.70 ug/L
RT: 3.549 min Scan# 325
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 84 Resp: 97184

Ion	Ratio	Lower	Upper
84	100		
86	62.8	41.1	85.5
49	163.8	76.2	158.2#

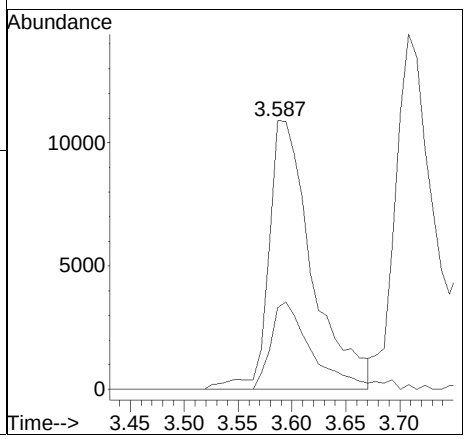


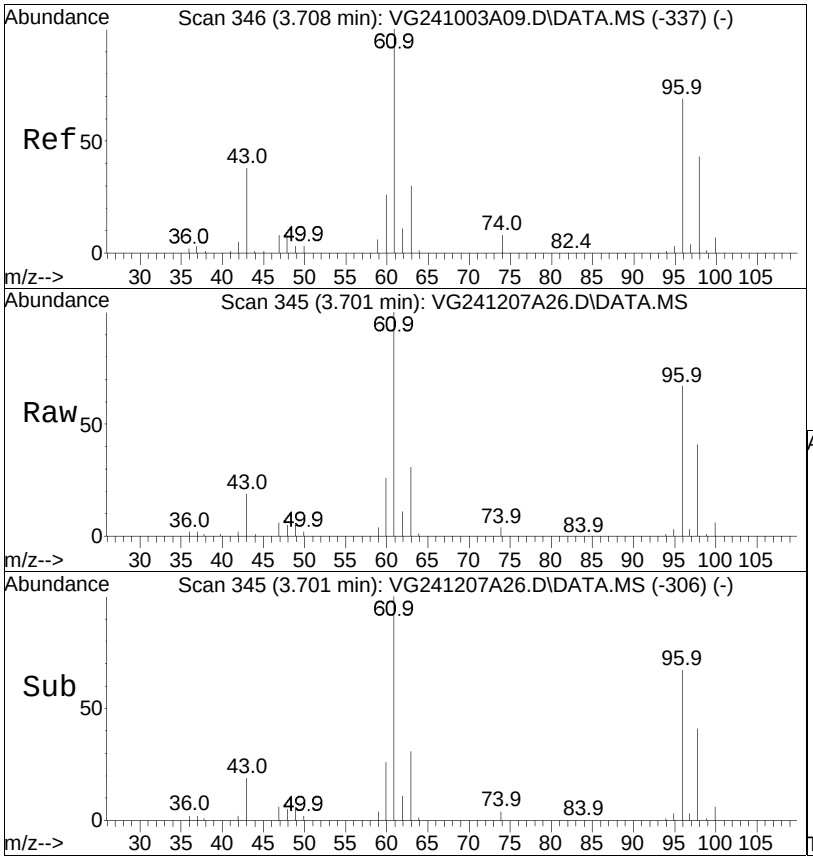


#17
Acetone
Concen: 11.85 ug/L
RT: 3.587 min Scan# 330
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 43 Resp: 30673

Ion	Ratio	Lower	Upper
43	100		
58	30.2	22.2	33.4

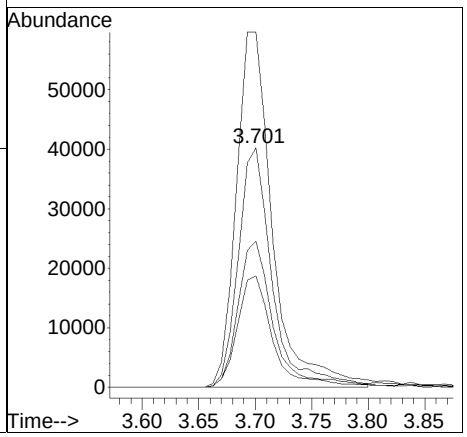


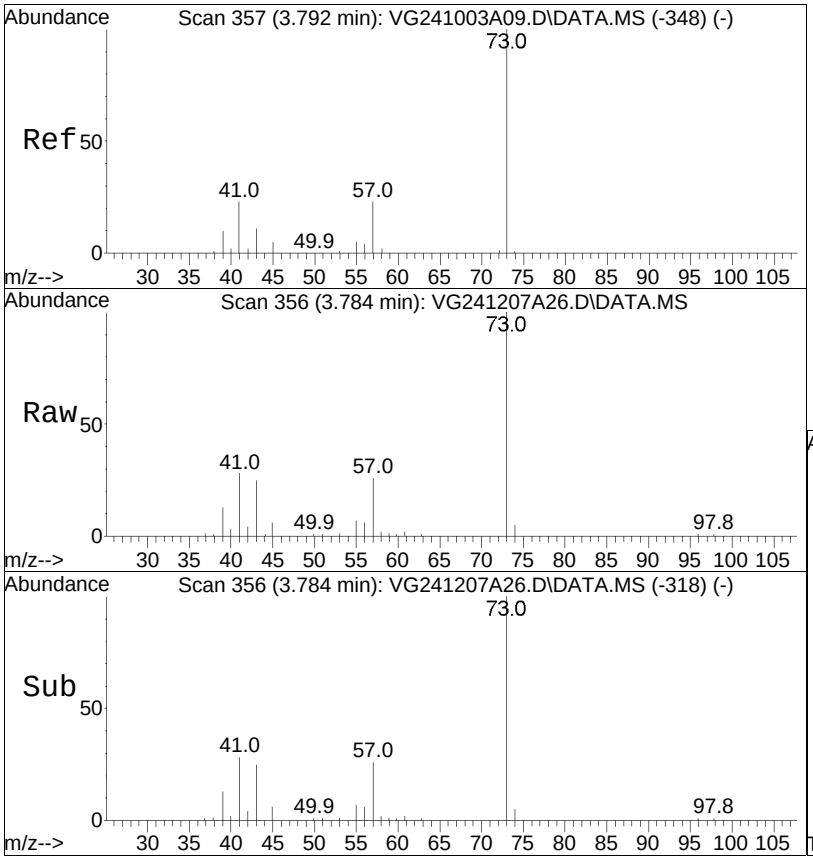


#18
trans-1,2-Dichloroethene
Concen: 9.39 ug/L
RT: 3.701 min Scan# 345
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 96 Resp: 84817

Ion	Ratio	Lower	Upper
96	100		
61	161.5	85.7	178.1
98	64.0	40.2	83.4
63	49.1	28.0	58.2

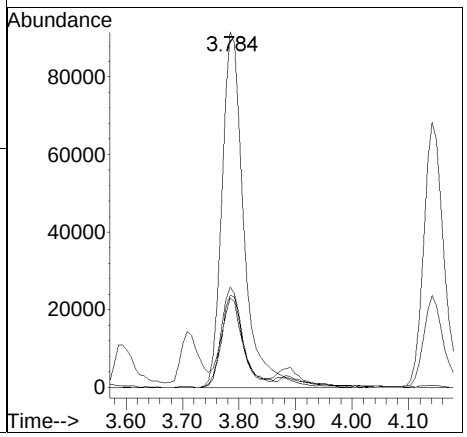


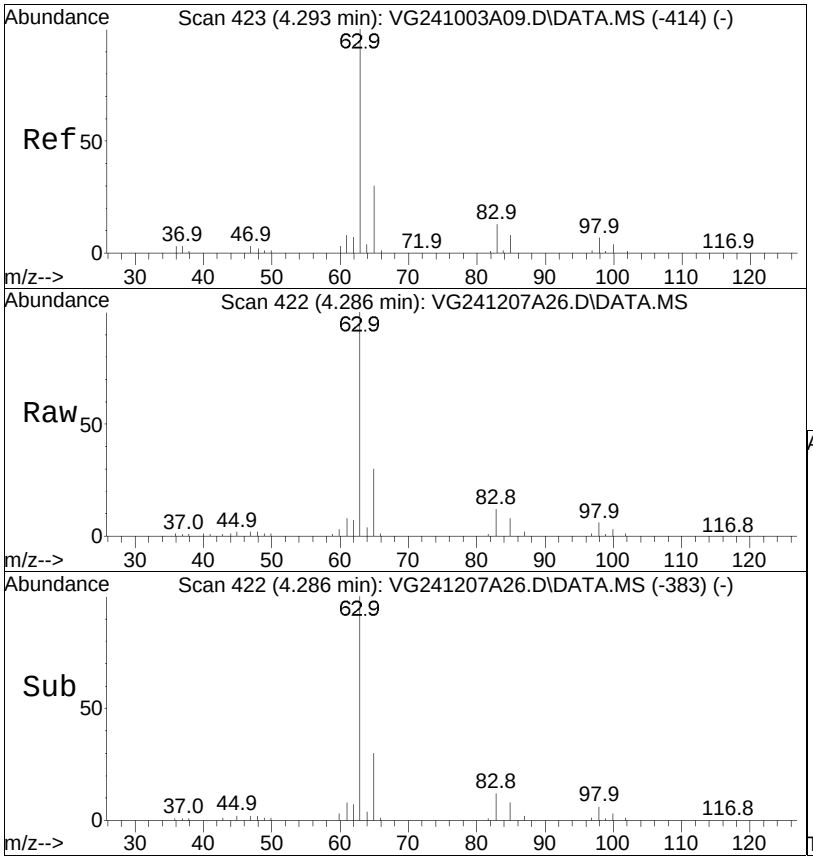


#20
Methyl tert-butyl ether
Concen: 8.23 ug/L
RT: 3.784 min Scan# 356
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 73 Resp: 251400

Ion	Ratio	Lower	Upper
73	100		
57	24.9	12.5	26.1
43	24.8	13.0	27.0
41	27.2	12.5	26.1#

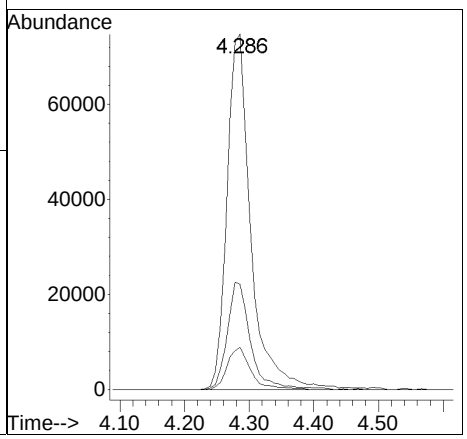


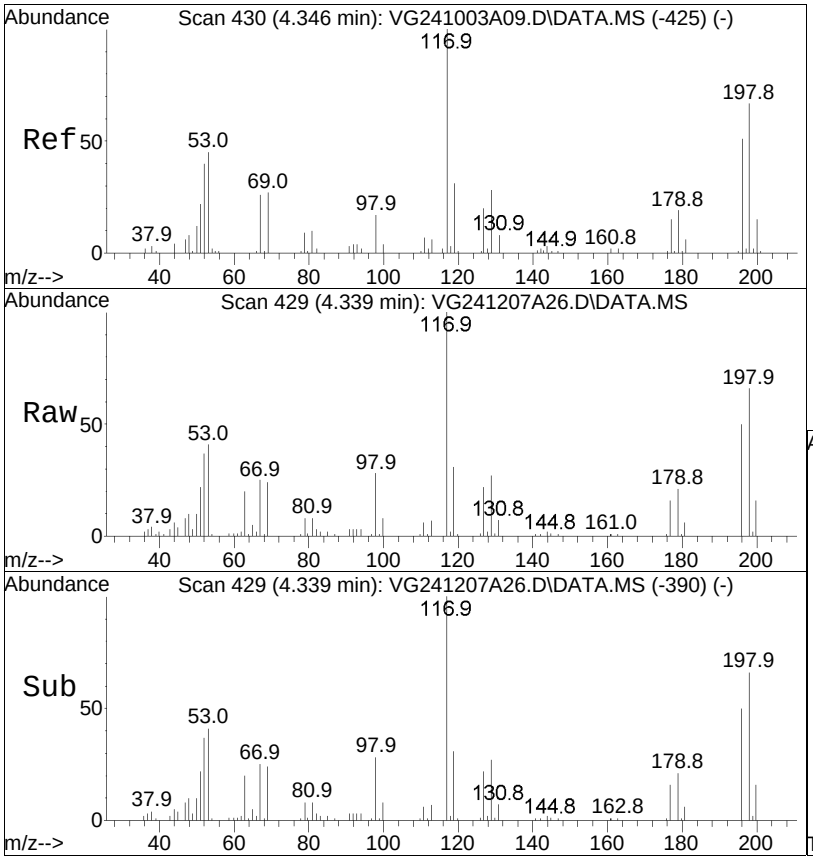


#23
1,1-Dichloroethane
Concen: 10.99 ug/L
RT: 4.286 min Scan# 422
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 63 Resp: 192218

Ion	Ratio	Lower	Upper
63	100		
65	29.2	10.4	50.4
83	11.6	0.0	33.2

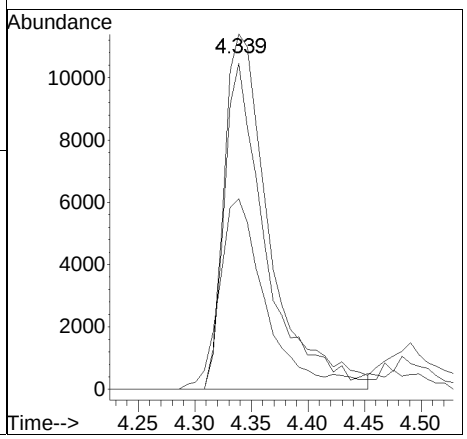


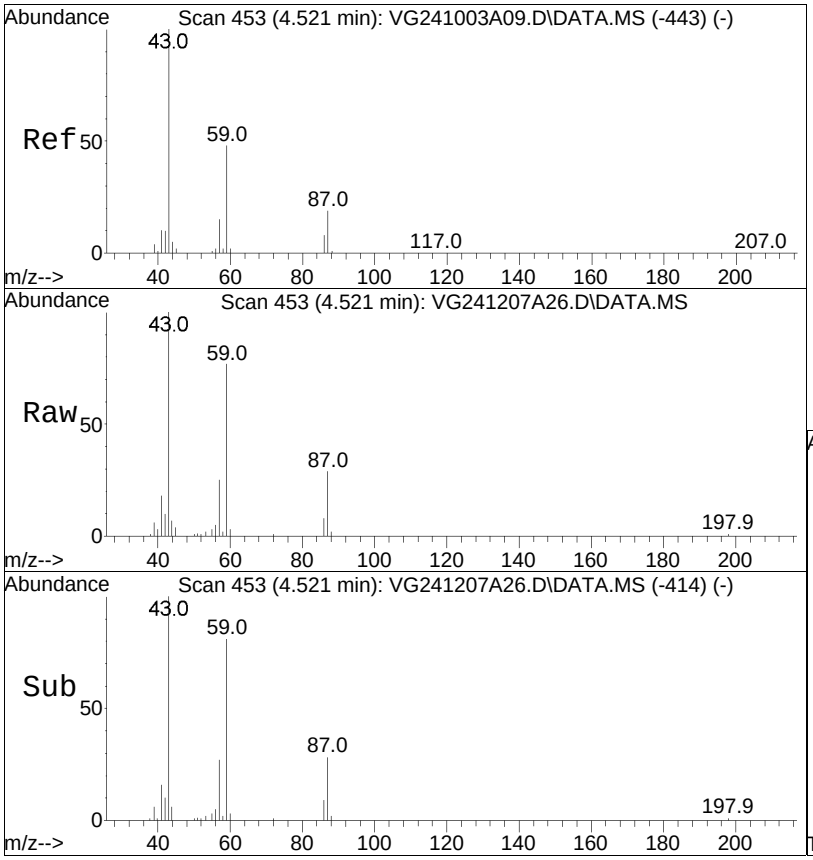


#25
Acrylonitrile
Concen: 9.96 ug/L
RT: 4.339 min Scan# 429
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 53 Resp: 32162

Ion	Ratio	Lower	Upper
53	100		
52	83.7	68.3	102.5
51	52.5	51.9	77.9

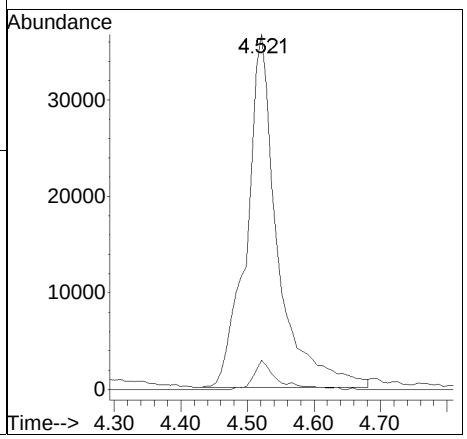


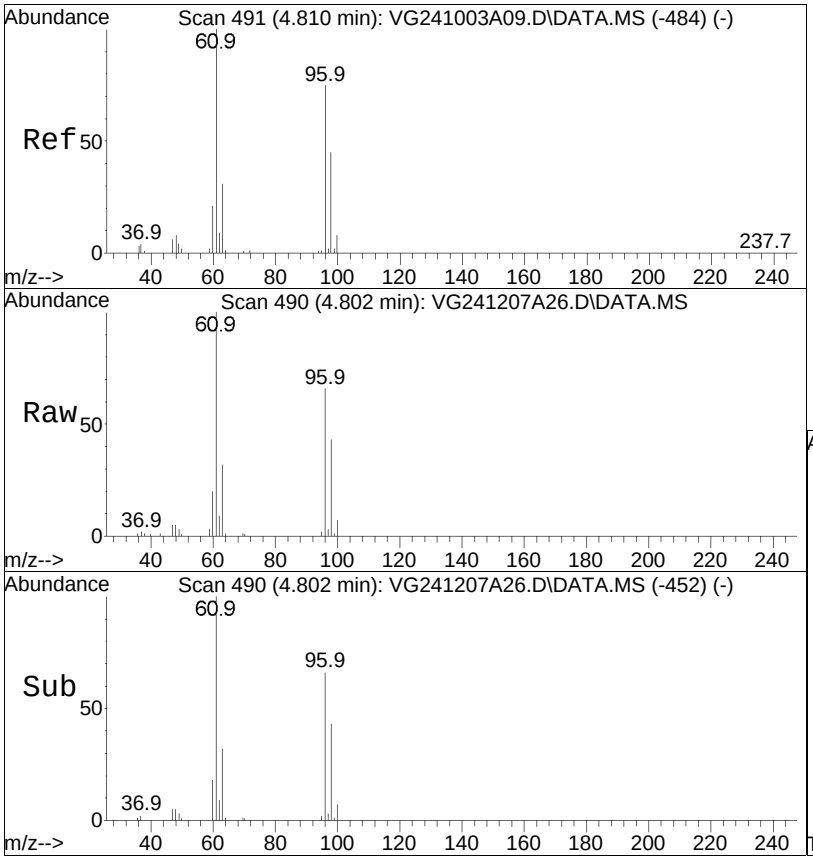


#27
Vinyl acetate
Concen: 4.83 ug/L
RT: 4.521 min Scan# 453
Delta R.T. 0.000 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 43 Resp: 118408

Ion	Ratio	Lower	Upper
43	100		
86	6.2	6.3	9.5#

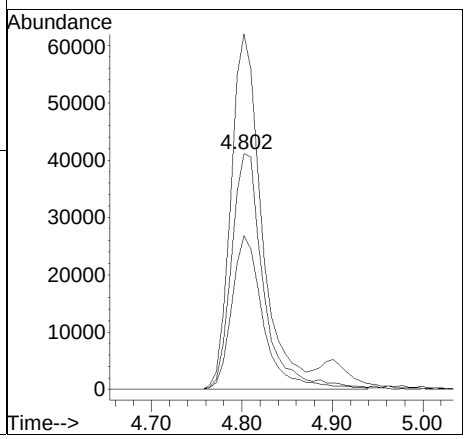


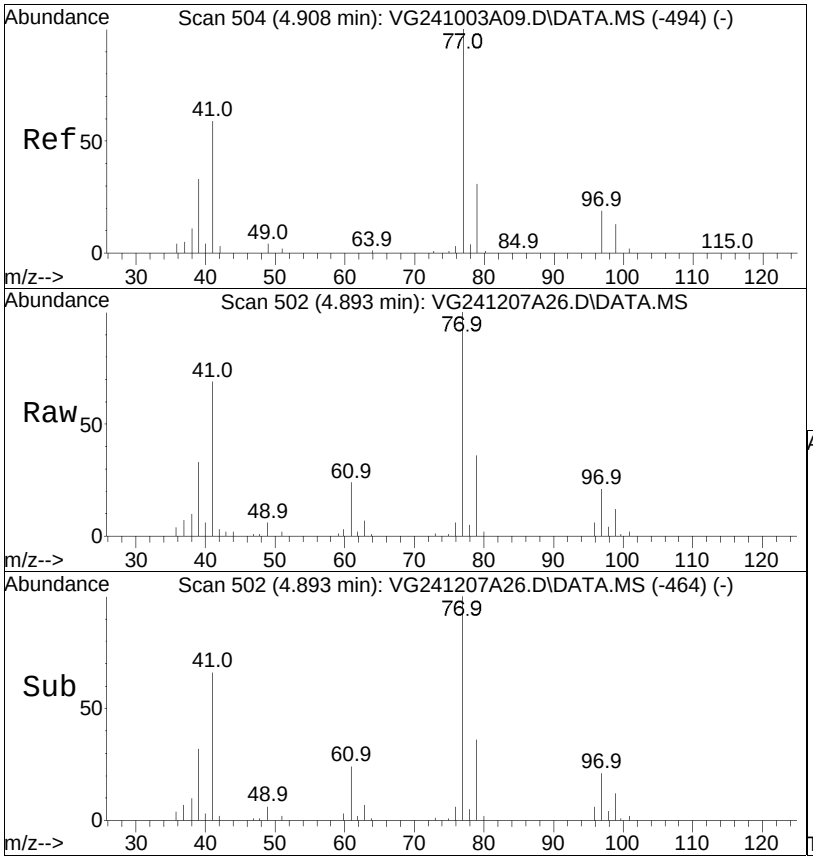


#28
cis-1,2-Dichloroethene
Concen: 9.73 ug/L
RT: 4.802 min Scan# 490
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 96 Resp: 101750

Ion	Ratio	Lower	Upper
96	100		
61	143.6	96.6	144.8
98	64.8	51.3	76.9

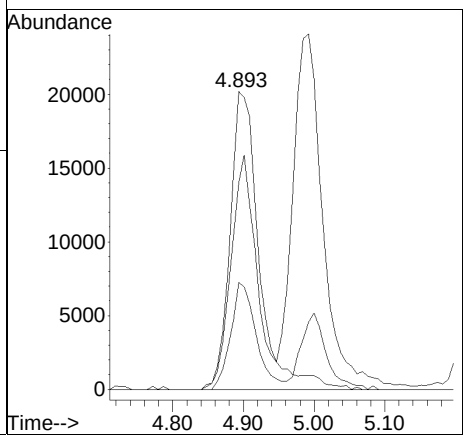


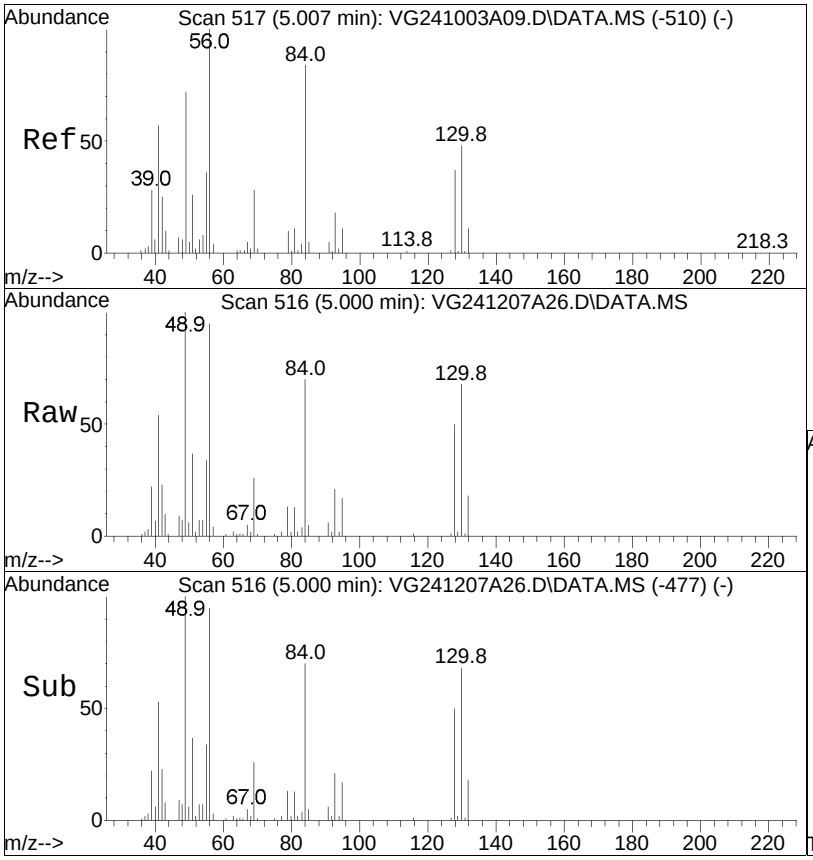


#29
2,2-Dichloropropane
Concen: 4.97 ug/L
RT: 4.893 min Scan# 502
Delta R.T. -0.015 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 77 Resp: 57772

Ion	Ratio	Lower	Upper
77	100		
41	68.6	38.1	79.1
79	31.3	20.6	42.8

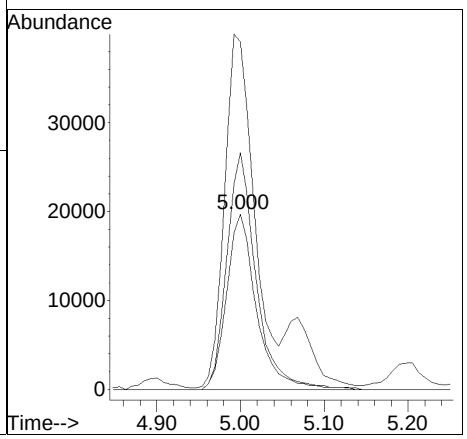


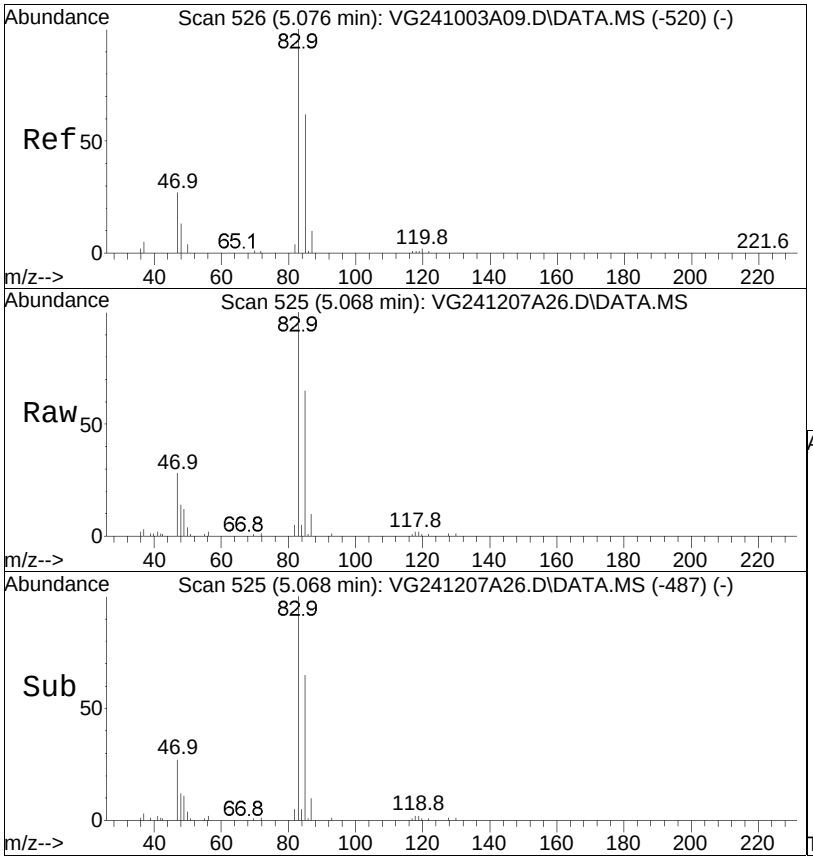


#30
Bromochloromethane
Concen: 10.35 ug/L
RT: 5.000 min Scan# 516
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:128 Resp: 49240

Ion	Ratio	Lower	Upper
128	100		
49	196.7	112.7	169.1#
130	131.0	103.3	154.9

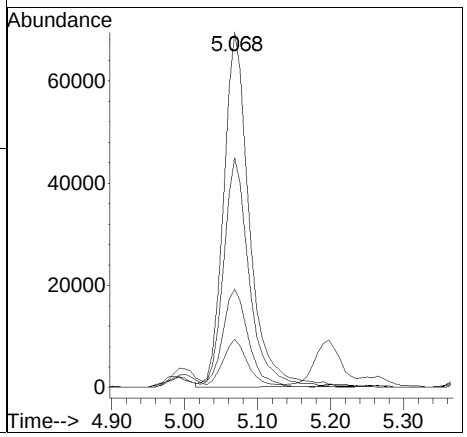


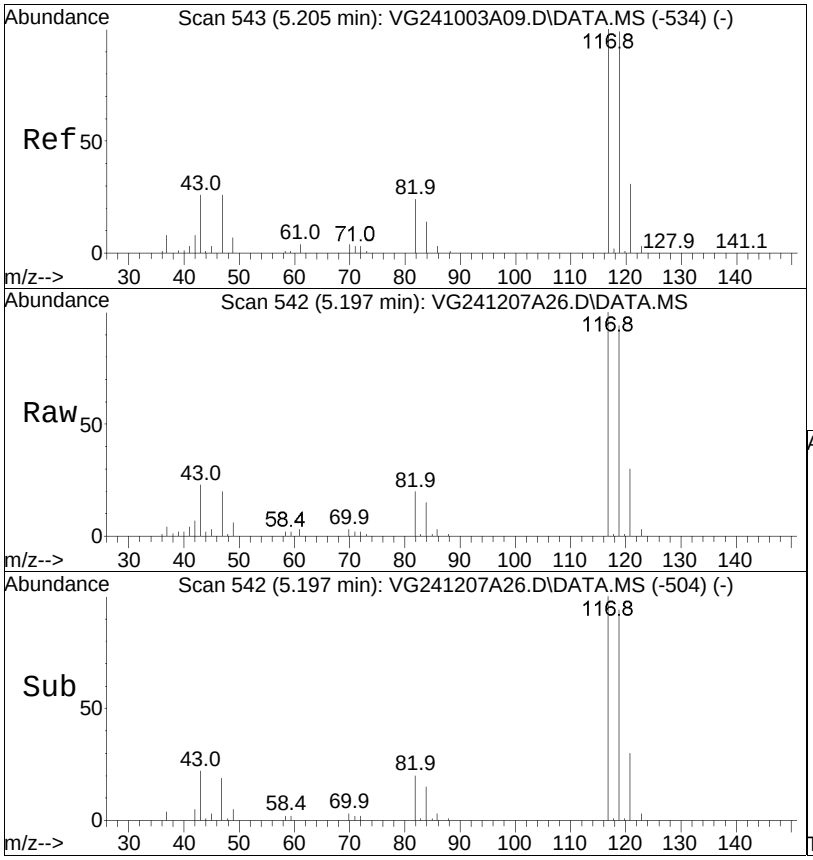


#32
Chloroform
Concen: 10.11 ug/L
RT: 5.068 min Scan# 525
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 83 Resp: 171220

Ion	Ratio	Lower	Upper
83	100		
85	65.6	41.4	86.0
47	25.6	15.1	31.3
48	13.5	7.7	16.1

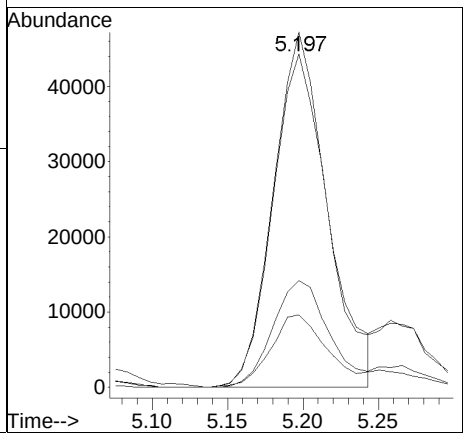


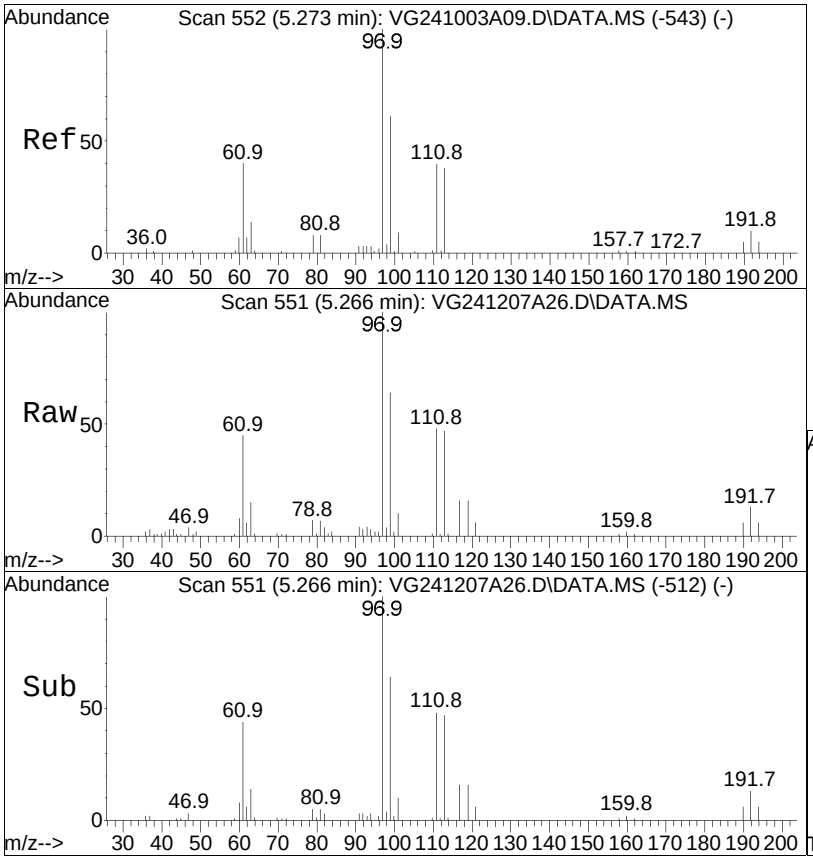


#34
Carbon tetrachloride
Concen: 9.12 ug/L
RT: 5.197 min Scan# 542
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:117 Resp: 117675

Ion	Ratio	Lower	Upper
117	100		
119	95.9	63.2	131.2
121	31.4	20.4	42.4
82	22.1	15.4	32.0

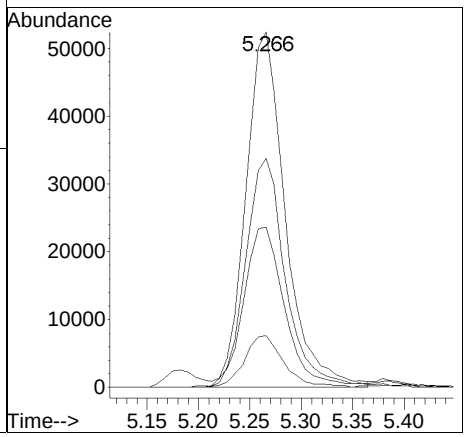


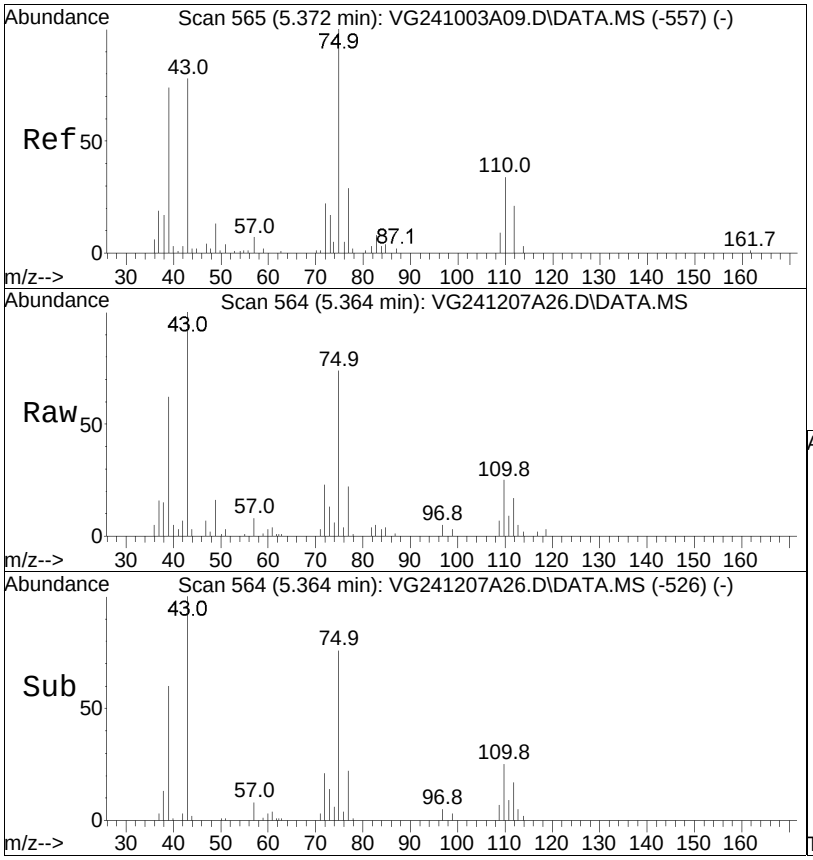


#37
1,1,1-Trichloroethane
Concen: 9.39 ug/L
RT: 5.266 min Scan# 551
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 97 Resp: 140334

Ion	Ratio	Lower	Upper
97	100		
99	65.7	41.3	85.7
61	46.9	26.0	54.0
63	14.8	8.6	18.0

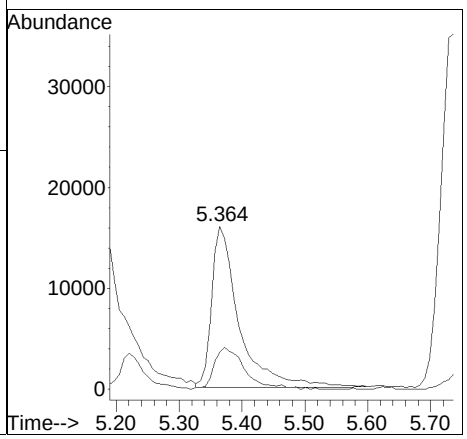


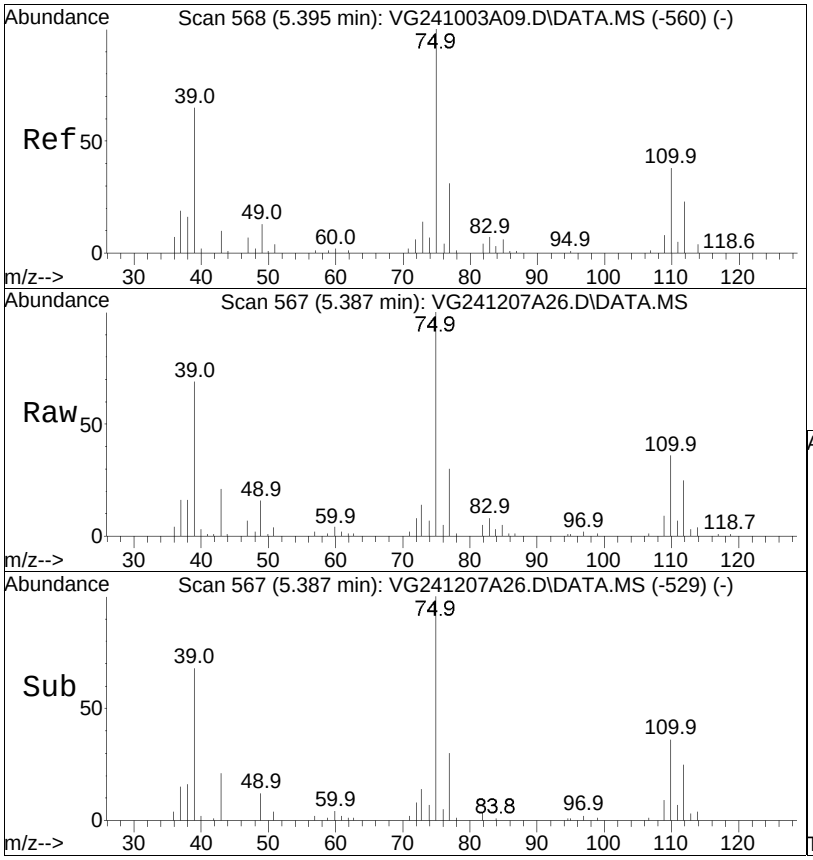


#39
2-Butanone
Concen: 12.30 ug/L
RT: 5.364 min Scan# 564
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 43 Resp: 48574

Ion	Ratio	Lower	Upper
43	100		
72	29.3	42.6	63.8#

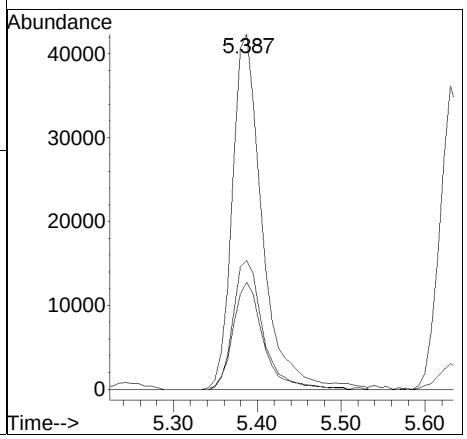


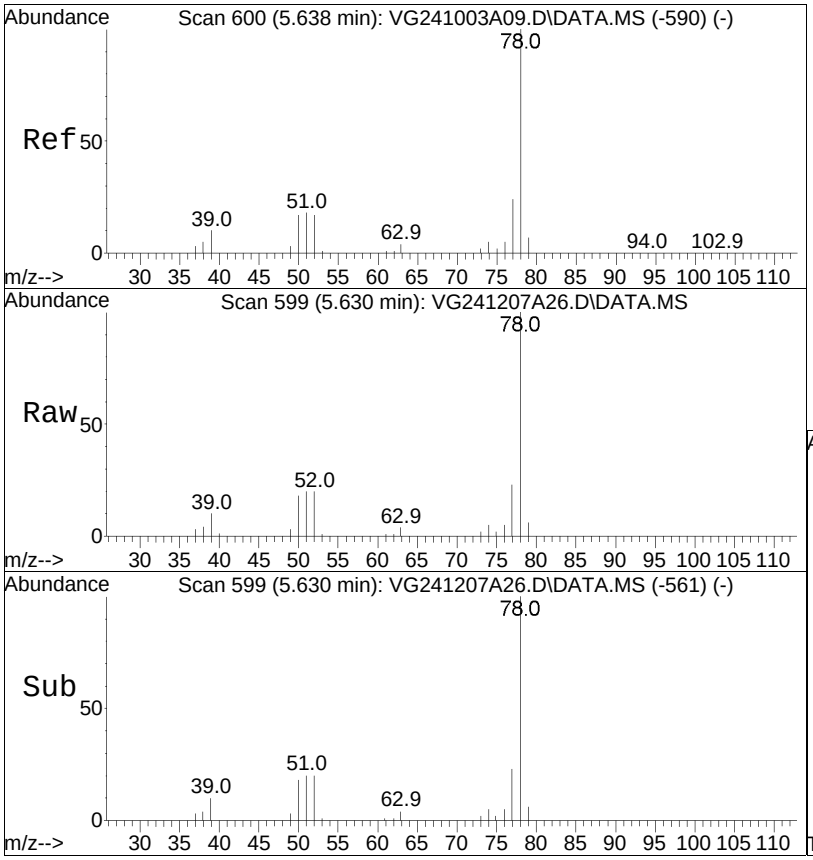


#40
1,1-Dichloropropene
Concen: 8.41 ug/L
RT: 5.387 min Scan# 567
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 75 Resp: 105390

Ion	Ratio	Lower	Upper
75	100		
110	36.3	24.1	50.1
77	30.8	19.8	41.0

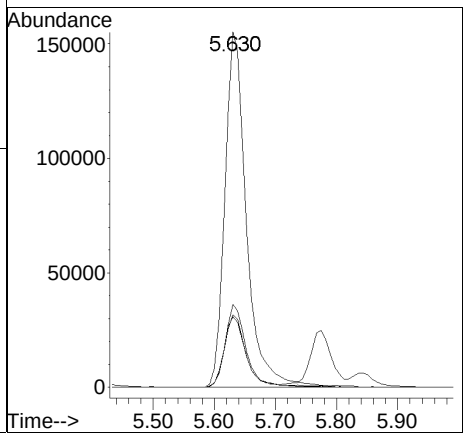


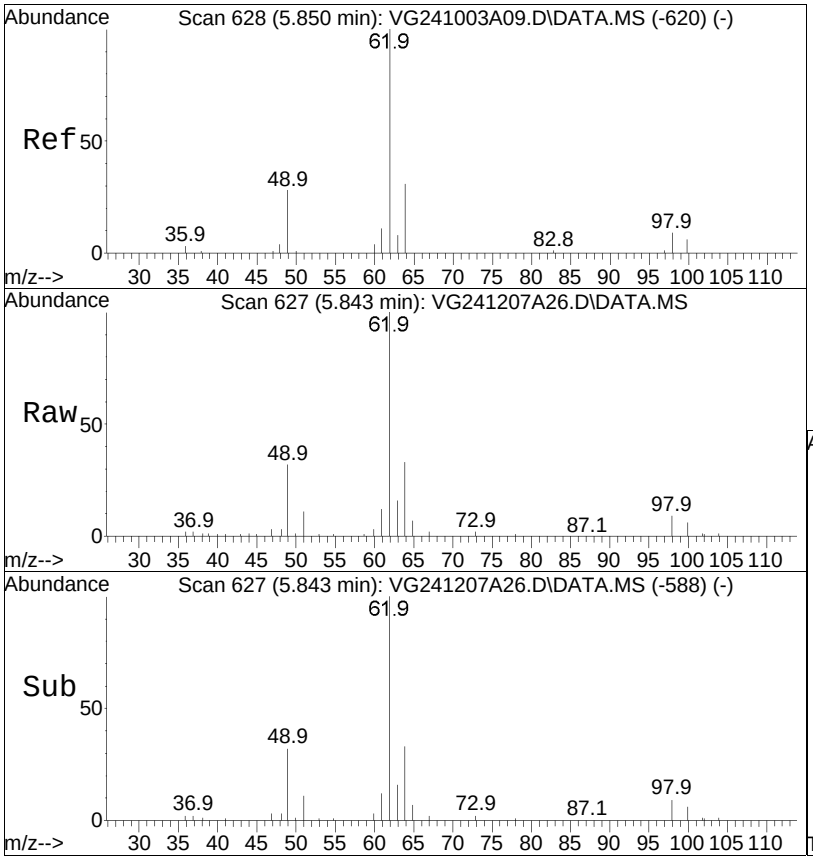


#41
Benzene
Concen: 9.84 ug/L
RT: 5.630 min Scan# 599
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 78 Resp: 383274

Ion	Ratio	Lower	Upper
78	100		
77	22.7	15.5	32.1
51	20.0	9.9	20.7
52	19.8	9.2	19.2#

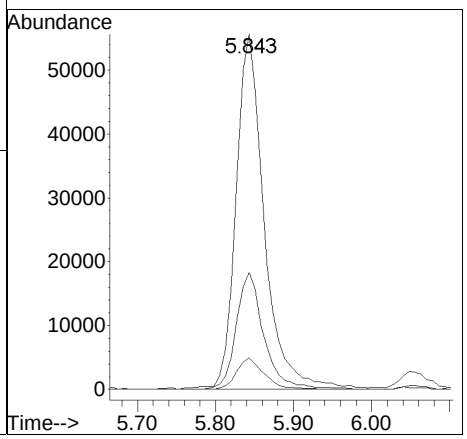


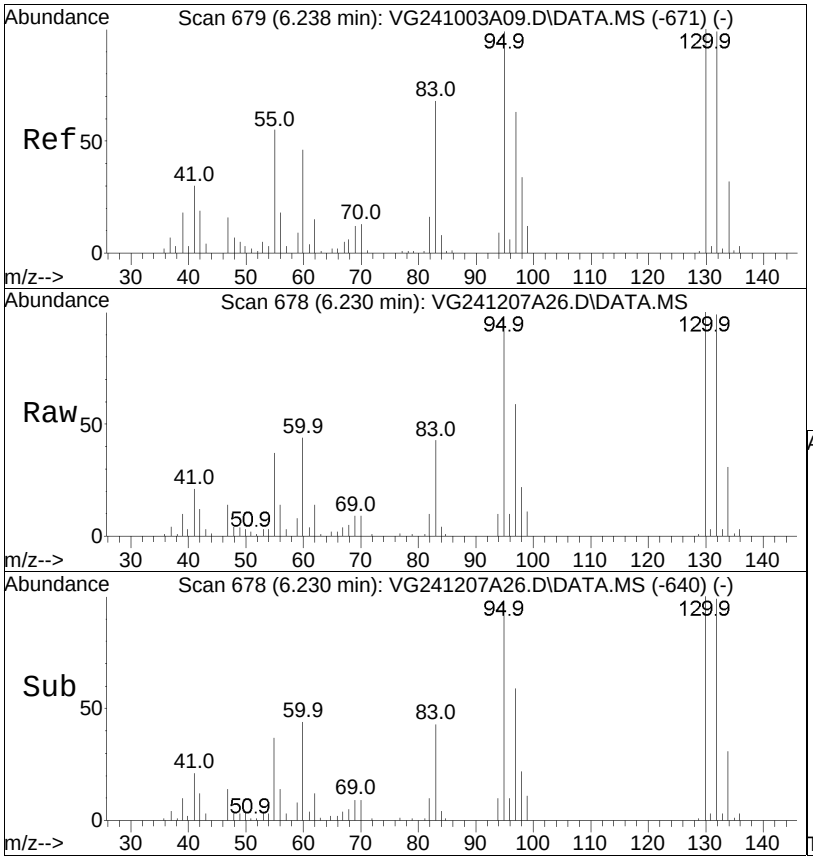


#44
1,2-Dichloroethane
Concen: 10.61 ug/L
RT: 5.843 min Scan# 627
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 62 Resp: 139981

Ion	Ratio	Lower	Upper
62	100		
64	32.9	11.9	51.9
98	8.8	0.0	29.3

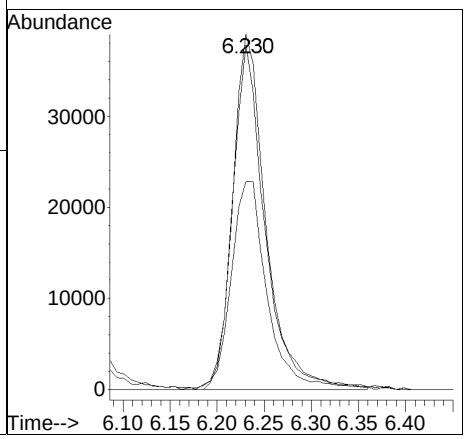


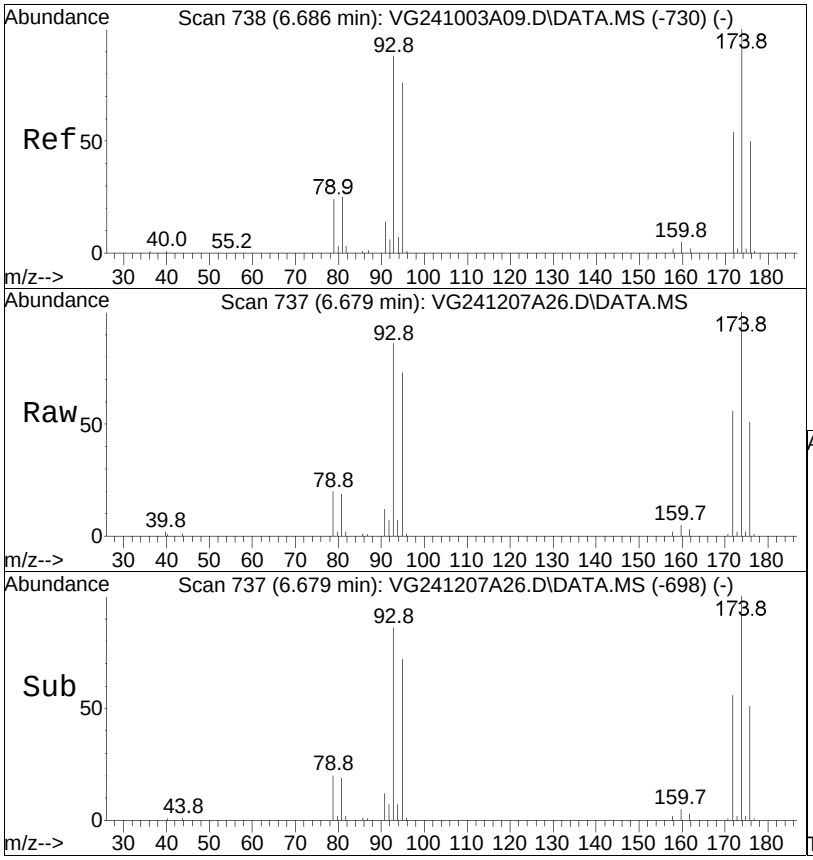


#48
Trichloroethene
Concen: 8.68 ug/L
RT: 6.230 min Scan# 678
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 95 Resp: 90756

Ion	Ratio	Lower	Upper
95	100		
97	67.2	54.0	81.0
130	106.2	85.0	127.4

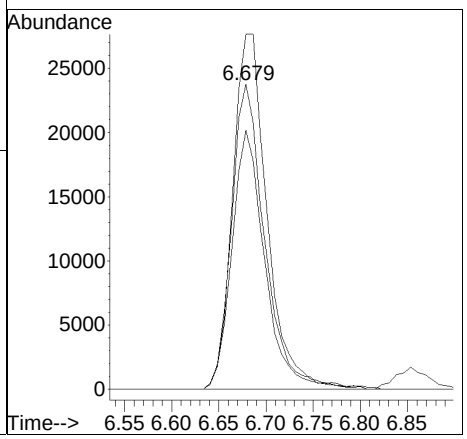


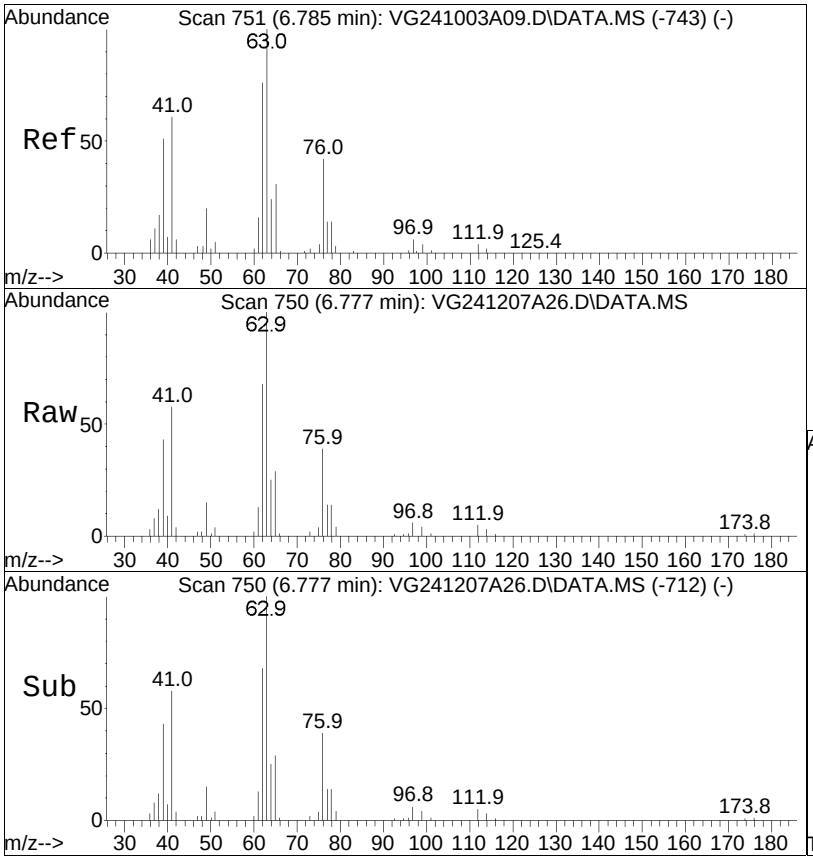


#50
Dibromomethane
Concen: 9.84 ug/L
RT: 6.679 min Scan# 737
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 93 Resp: 58584

Ion	Ratio	Lower	Upper
93	100		
95	84.2	66.6	100.0
174	120.8	90.5	135.7

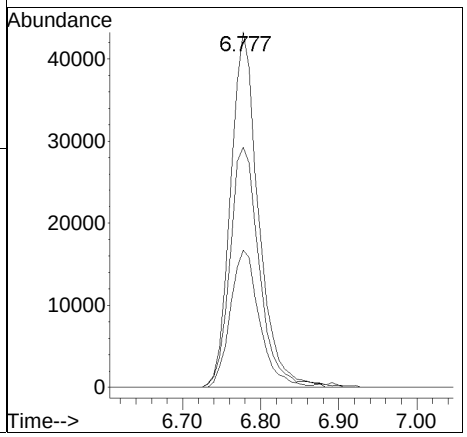


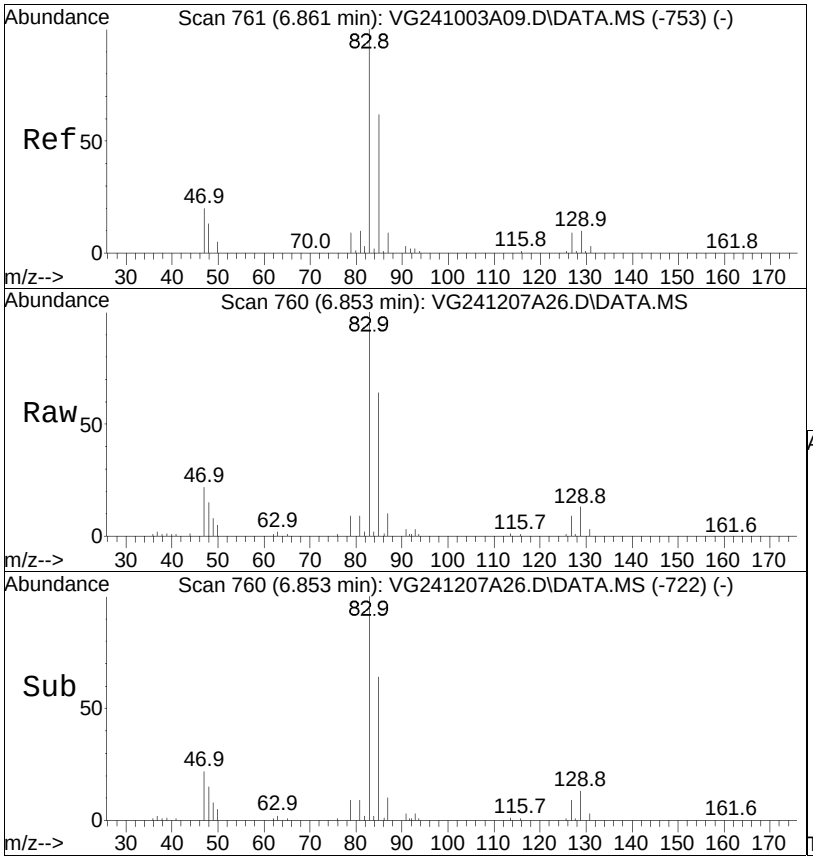


#51
1,2-Dichloropropane
Concen: 10.74 ug/L
RT: 6.777 min Scan# 750
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 63 Resp: 108536

Ion	Ratio	Lower	Upper
63	100		
62	70.9	56.5	84.7
76	40.4	34.6	52.0

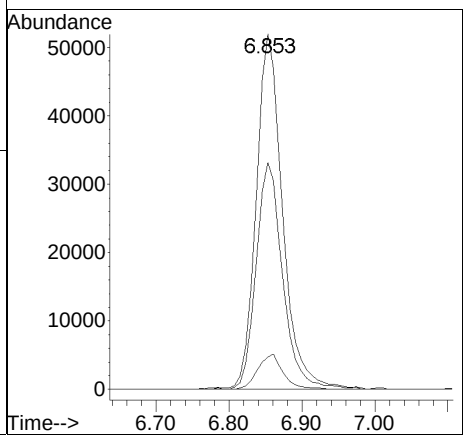


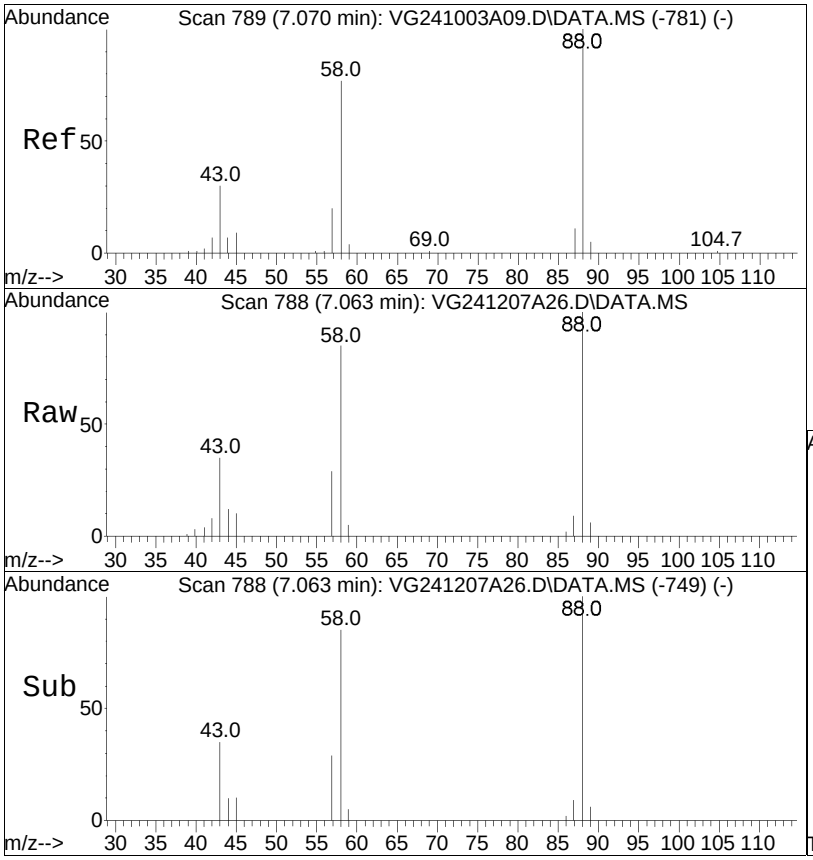


#54
Bromodichloromethane
Concen: 9.63 ug/L
RT: 6.853 min Scan# 760
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 83 Resp: 131371

Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.8	76.2
127	9.5	7.4	11.2

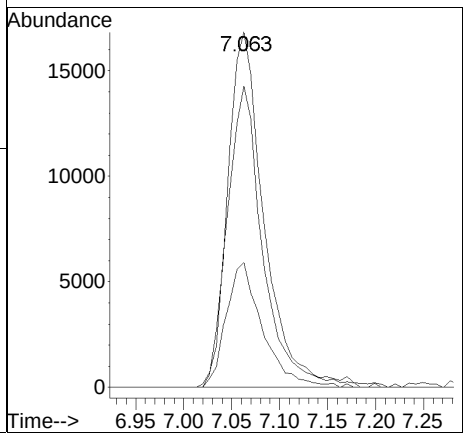


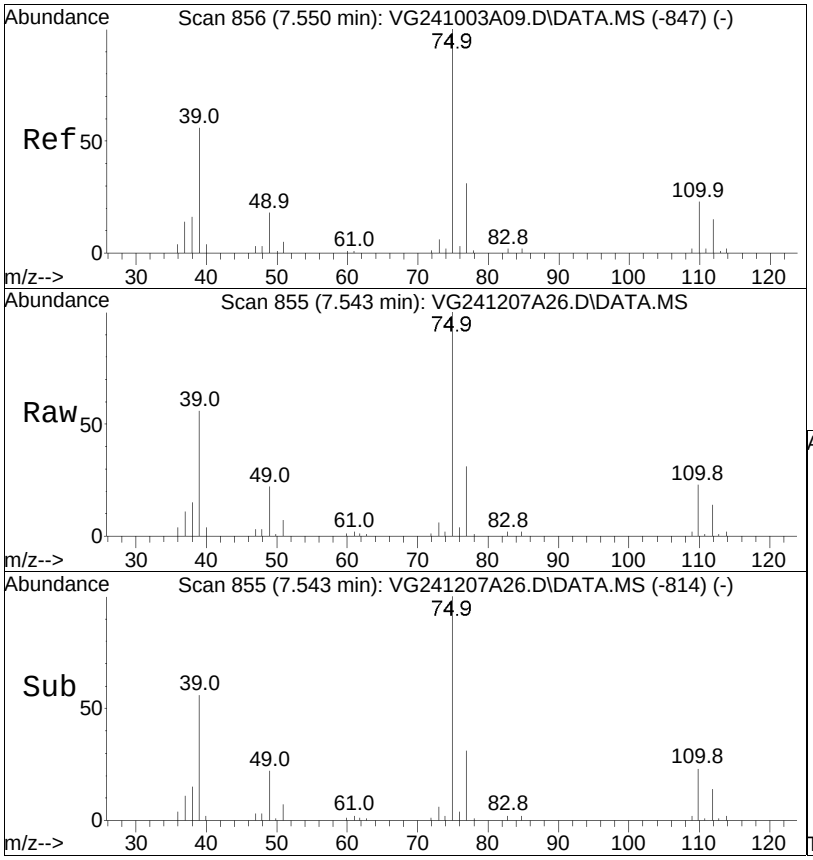


#57
1,4-Dioxane
Concen: 438.66 ug/L
RT: 7.063 min Scan# 788
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 88 Resp: 44572

Ion	Ratio	Lower	Upper
88	100		
58	83.0	48.7	73.1#
43	35.2	22.4	33.6#

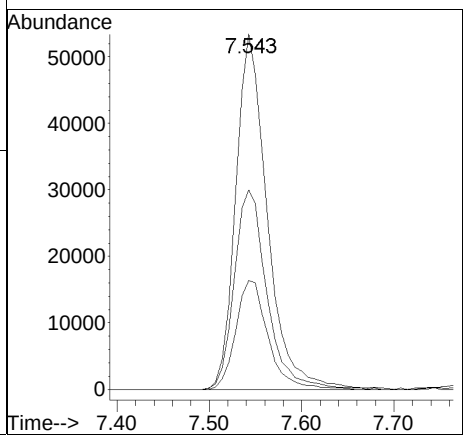


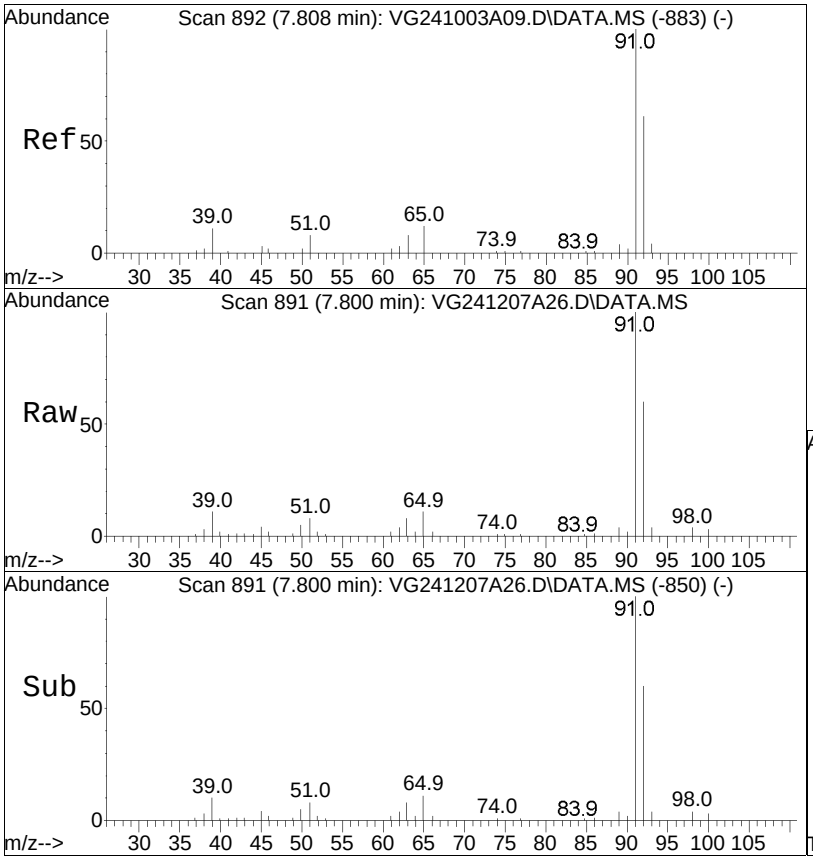


#58
cis-1,3-Dichloropropene
Concen: 8.22 ug/L
RT: 7.543 min Scan# 855
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 75 Resp: 127052

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8
39	58.3	40.8	61.2

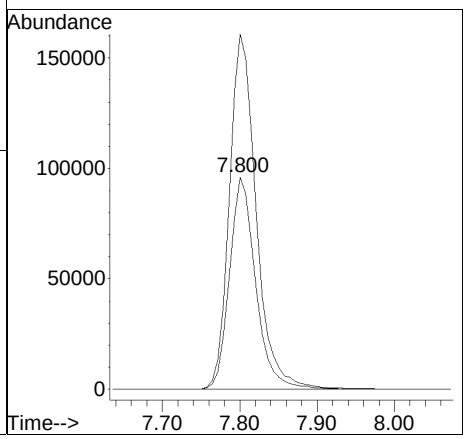


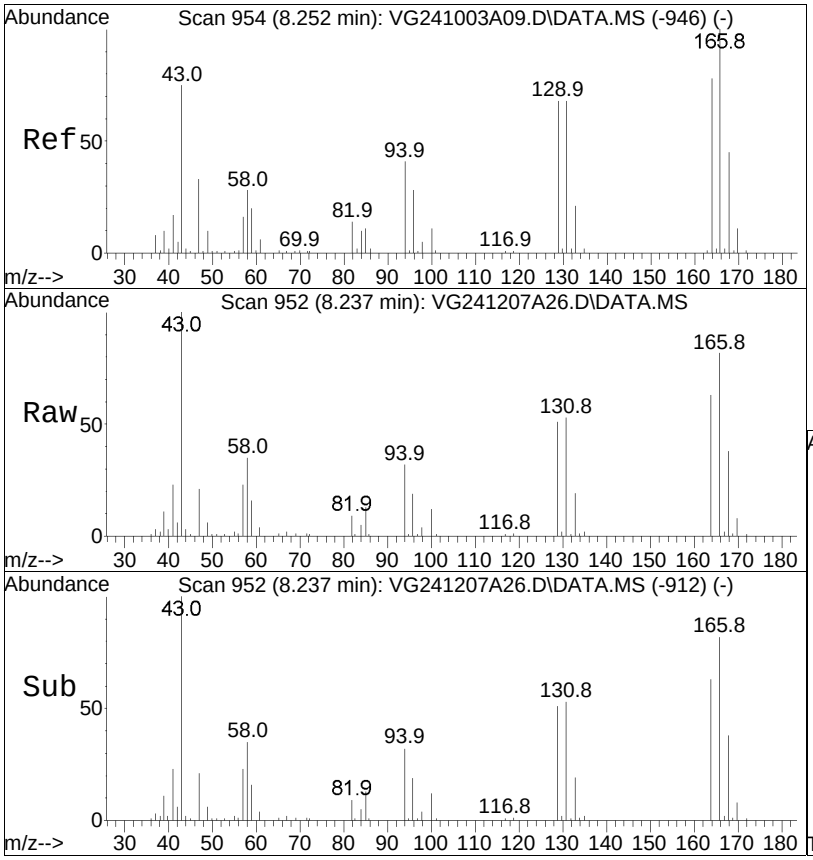


#61
Toluene
Concen: 8.83 ug/L
RT: 7.800 min Scan# 891
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 92 Resp: 226464

Ion	Ratio	Lower	Upper
92	100		
91	170.6	134.8	202.2

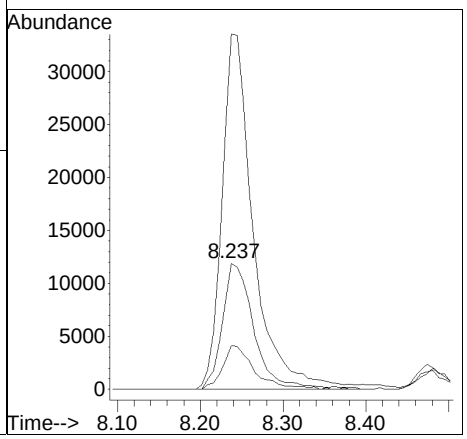


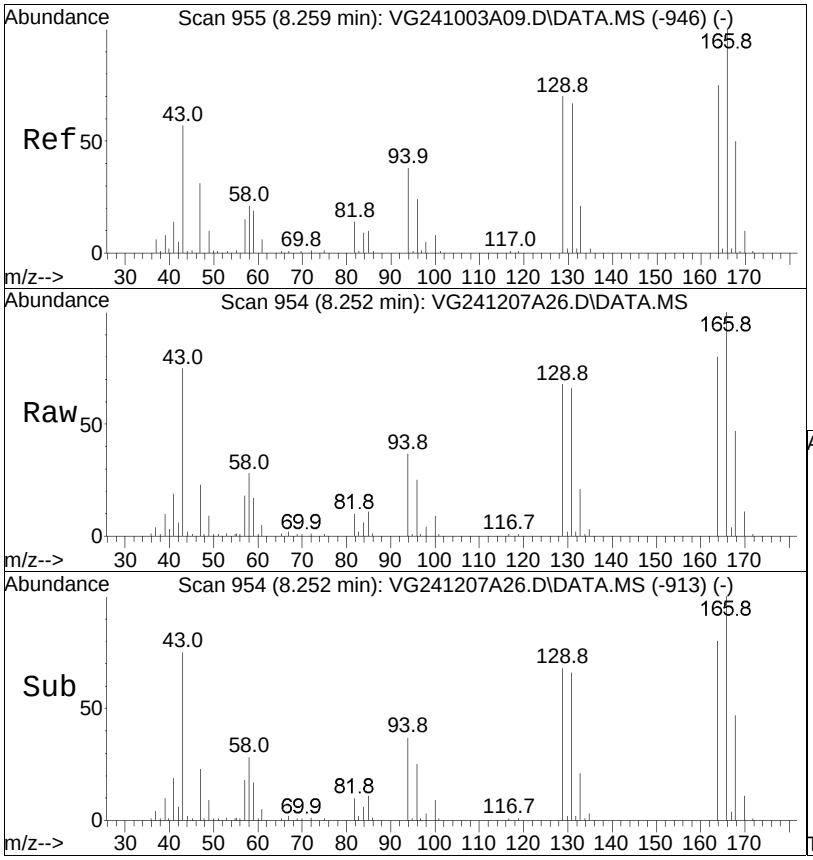


#62
4-Methyl-2-pentanone
Concen: 8.87 ug/L
RT: 8.237 min Scan# 952
Delta R.T. -0.015 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 58 Resp: 31842

Ion	Ratio	Lower	Upper
58	100		
100	35.2	33.6	50.4
43	281.0	204.3	306.5

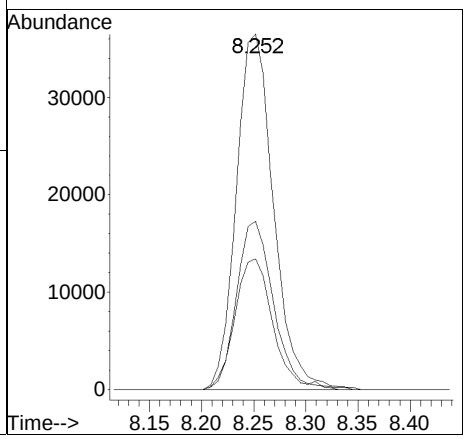


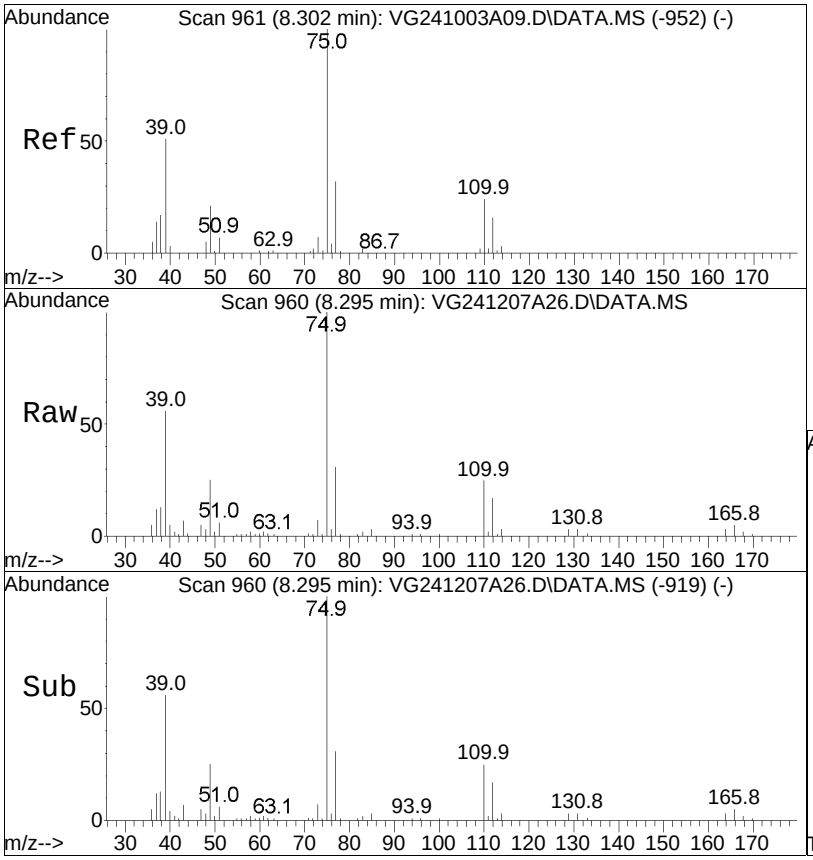


#63
Tetrachloroethene
Concen: 8.16 ug/L
RT: 8.252 min Scan# 954
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:166 Resp: 90516

Ion	Ratio	Lower	Upper
166	100		
168	46.9	27.3	67.3
94	37.4	20.5	60.5

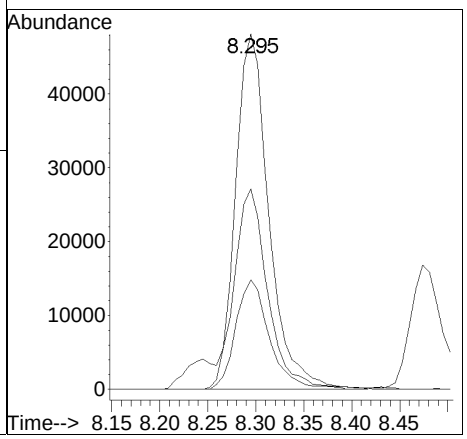


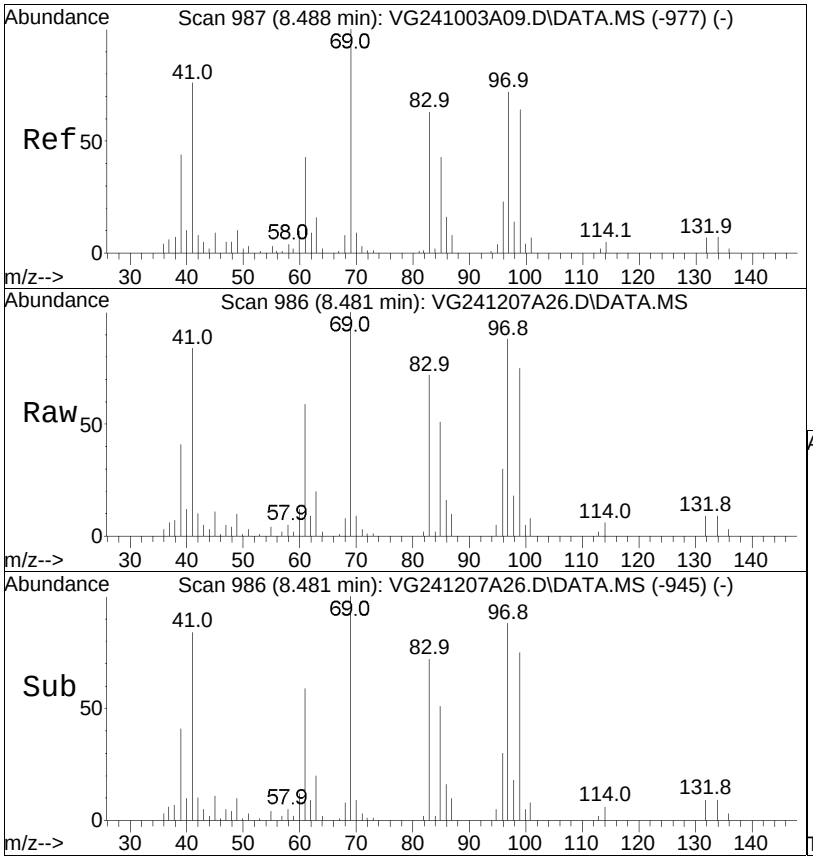


#65
trans-1,3-Dichloropropene
Concen: 7.80 ug/L
RT: 8.295 min Scan# 960
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 75 Resp: 116609

Ion	Ratio	Lower	Upper
75	100		
77	31.3	11.3	51.3
39	55.2	36.0	76.0

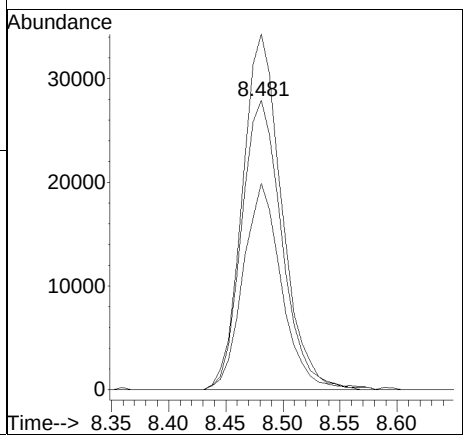


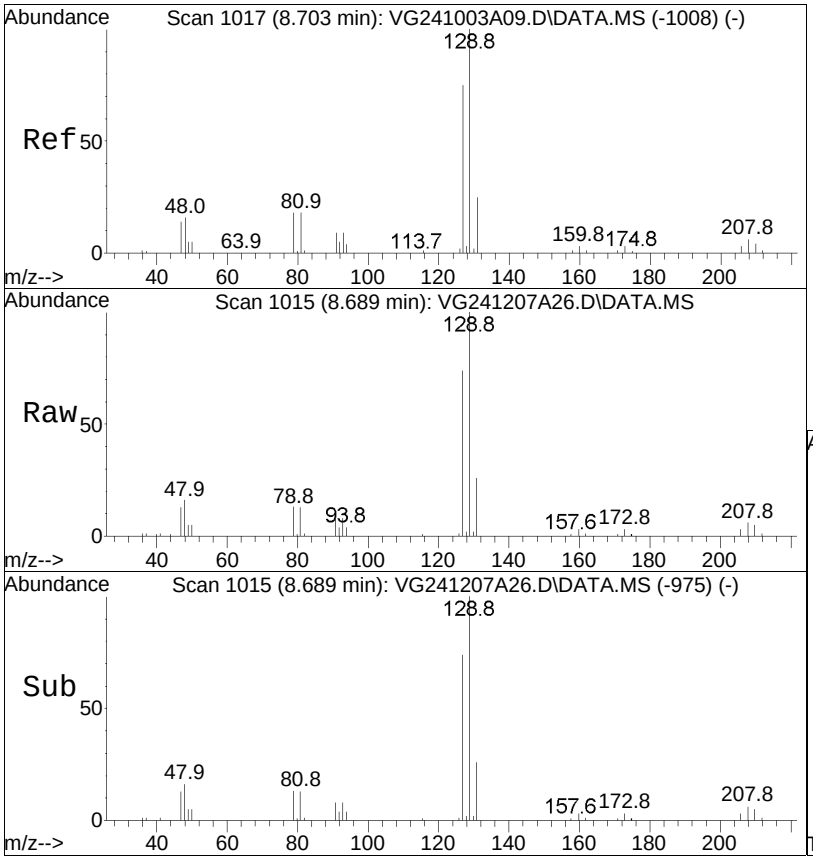


#68
1,1,2-Trichloroethane
Concen: 8.74 ug/L
RT: 8.481 min Scan# 986
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 83 Resp: 68178

Ion	Ratio	Lower	Upper
83	100		
97	120.9	101.0	141.0
85	68.2	47.9	87.9

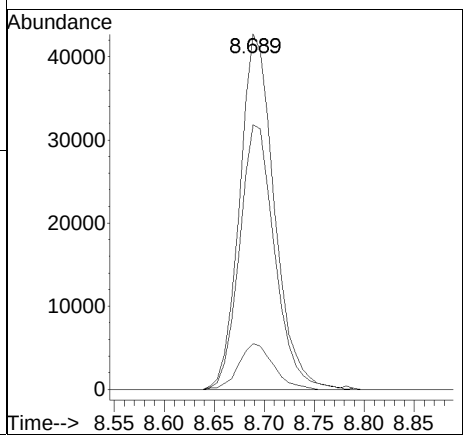


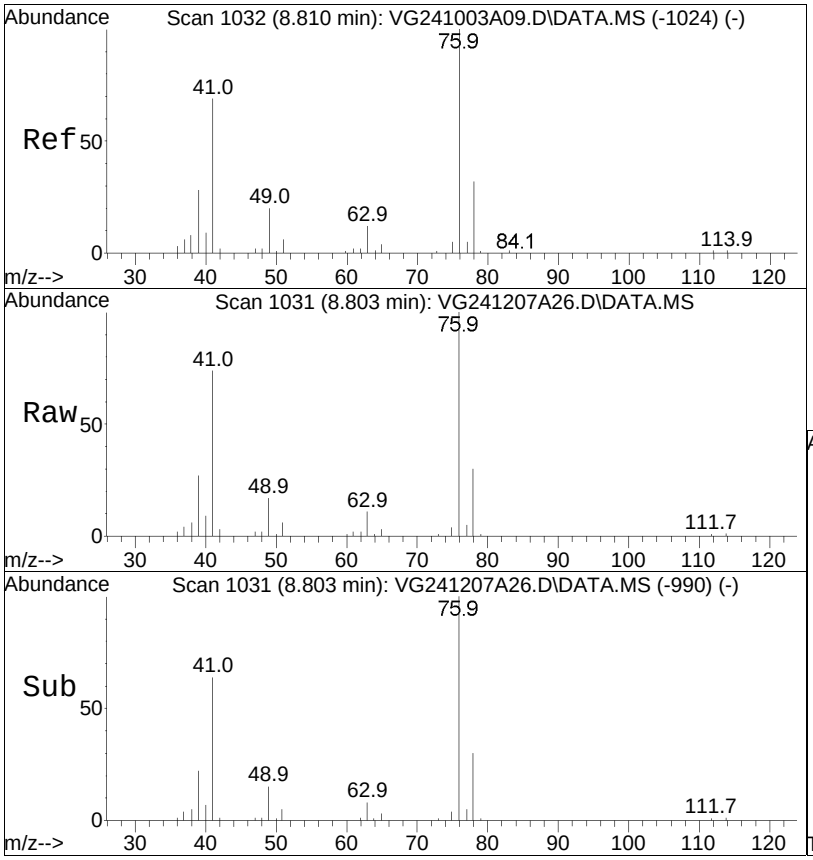


#69
Chlorodibromomethane
Concen: 9.57 ug/L
RT: 8.689 min Scan# 1015
Delta R.T. -0.014 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:129 Resp: 103265

Ion	Ratio	Lower	Upper
129	100		
81	12.9	0.0	35.0
127	75.6	57.1	97.1

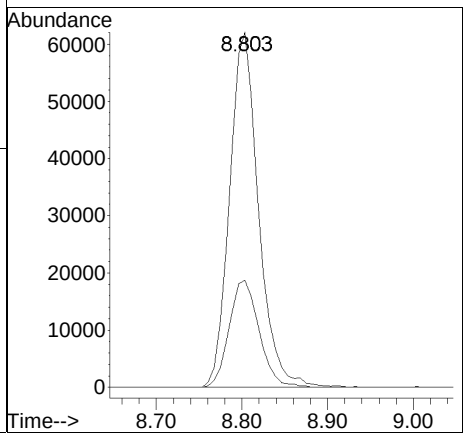


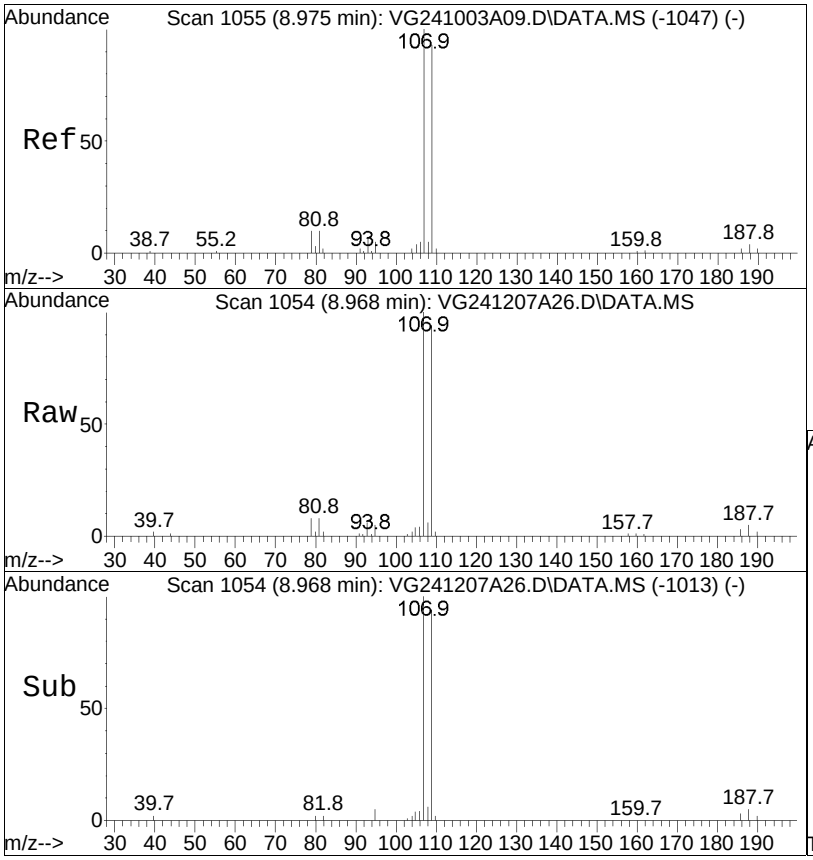


#70
1,3-Dichloropropane
Concen: 9.42 ug/L
RT: 8.803 min Scan# 1031
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 76 Resp: 145862

Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.4	38.2

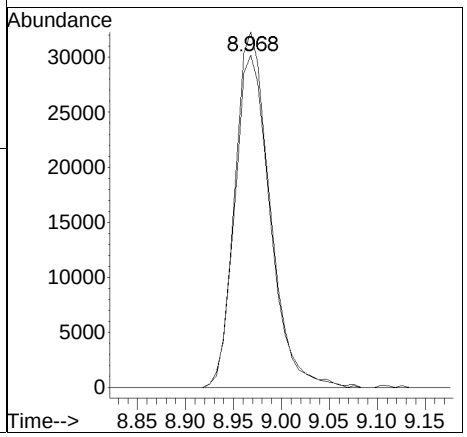


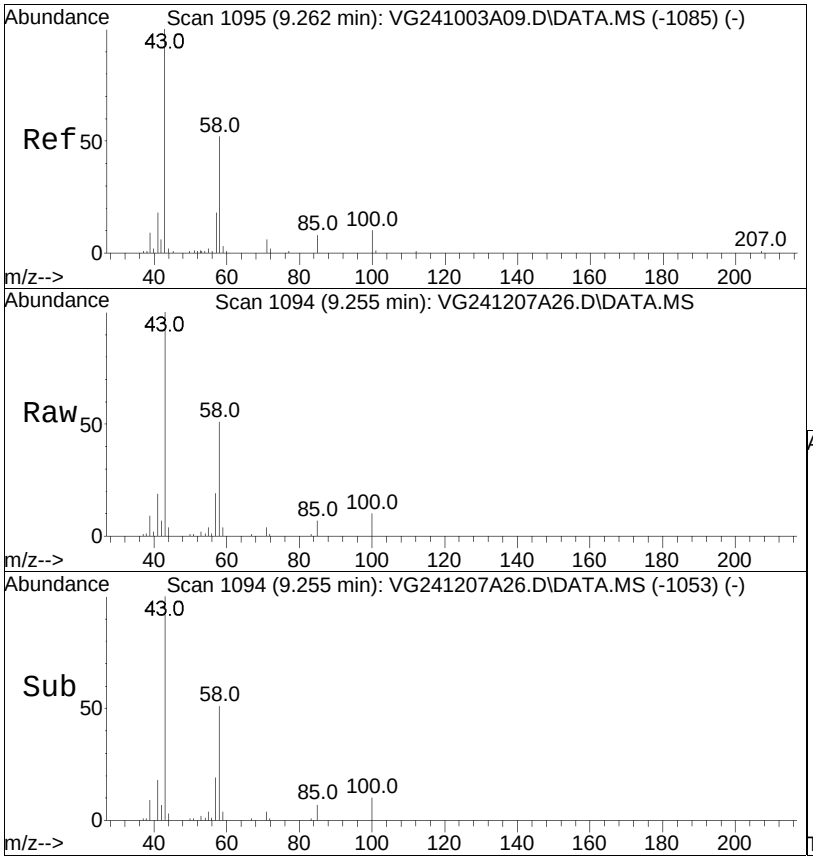


#71
1,2-Dibromoethane
Concen: 8.89 ug/L
RT: 8.968 min Scan# 1054
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:107 Resp: 81984

Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.0	114.0

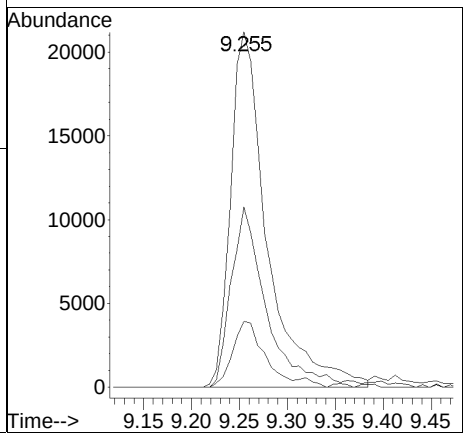


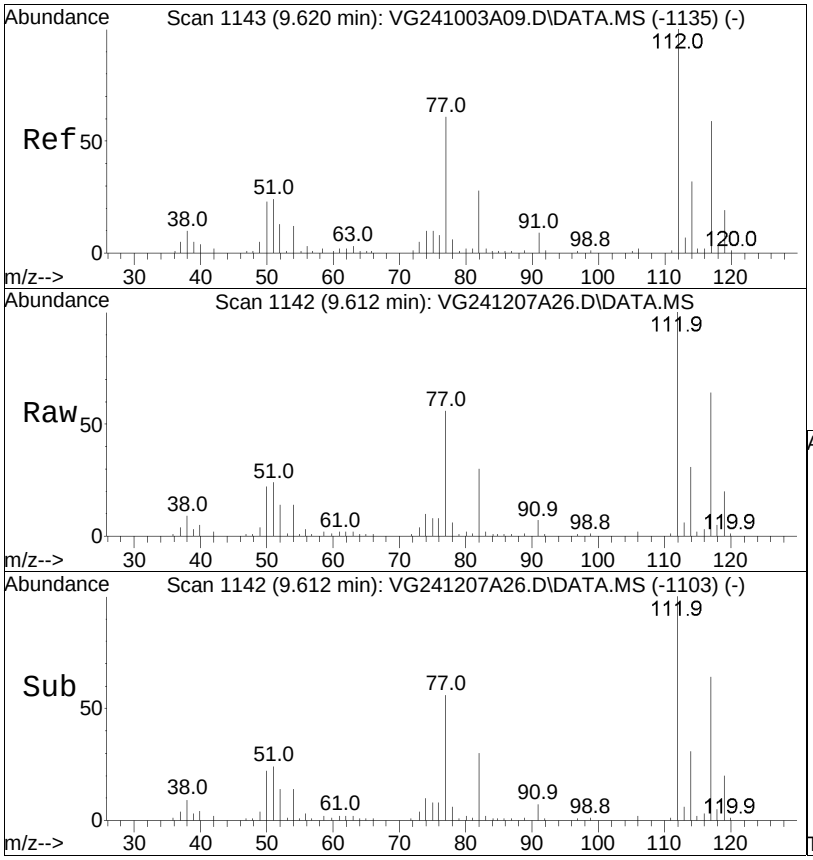


#72
2-Hexanone
Concen: 8.79 ug/L
RT: 9.255 min Scan# 1094
Delta R.T. -0.007 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 43 Resp: 56441

Ion	Ratio	Lower	Upper
43	100		
58	49.2	43.8	65.6
57	17.2	15.2	22.8

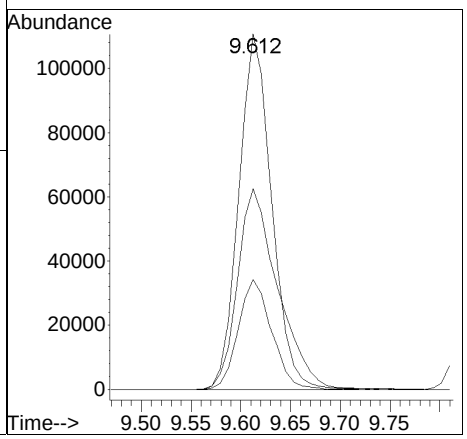


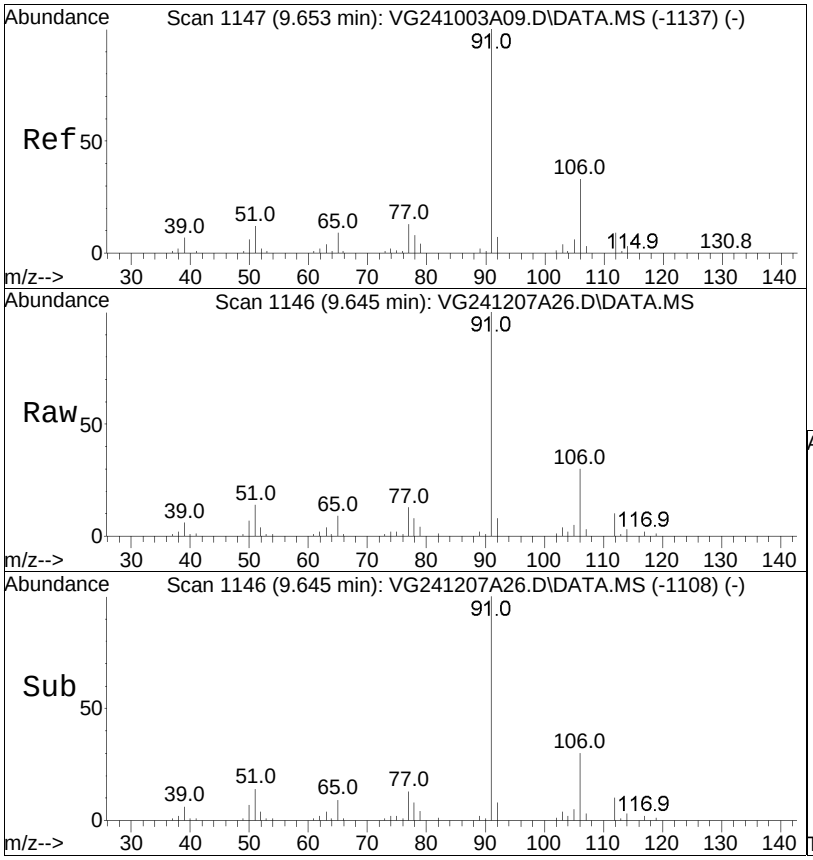


#73
Chlorobenzene
Concen: 9.24 ug/L
RT: 9.612 min Scan# 1142
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:112 Resp: 254498

Ion	Ratio	Lower	Upper
112	100		
77	69.3	55.9	83.9
114	31.4	25.4	38.0

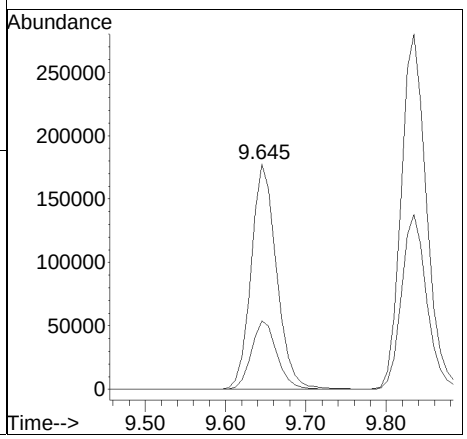


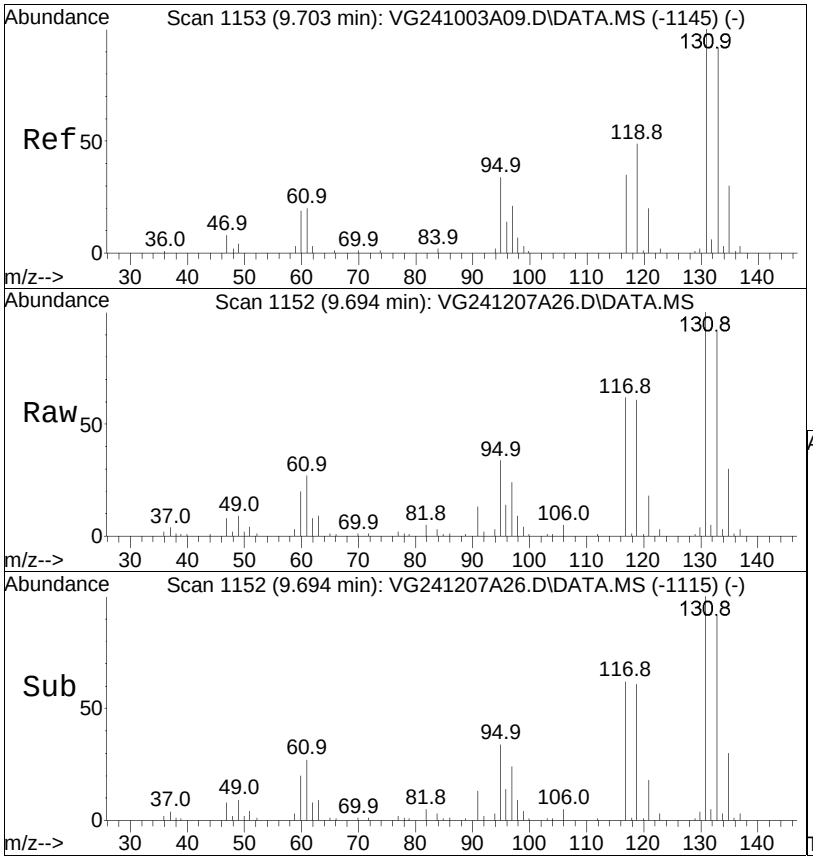


#74
Ethylbenzene
Concen: 7.97 ug/L
RT: 9.645 min Scan# 1146
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 91 Resp: 392794

Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.3	37.9

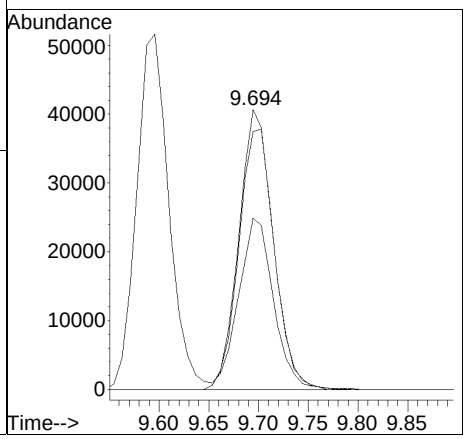


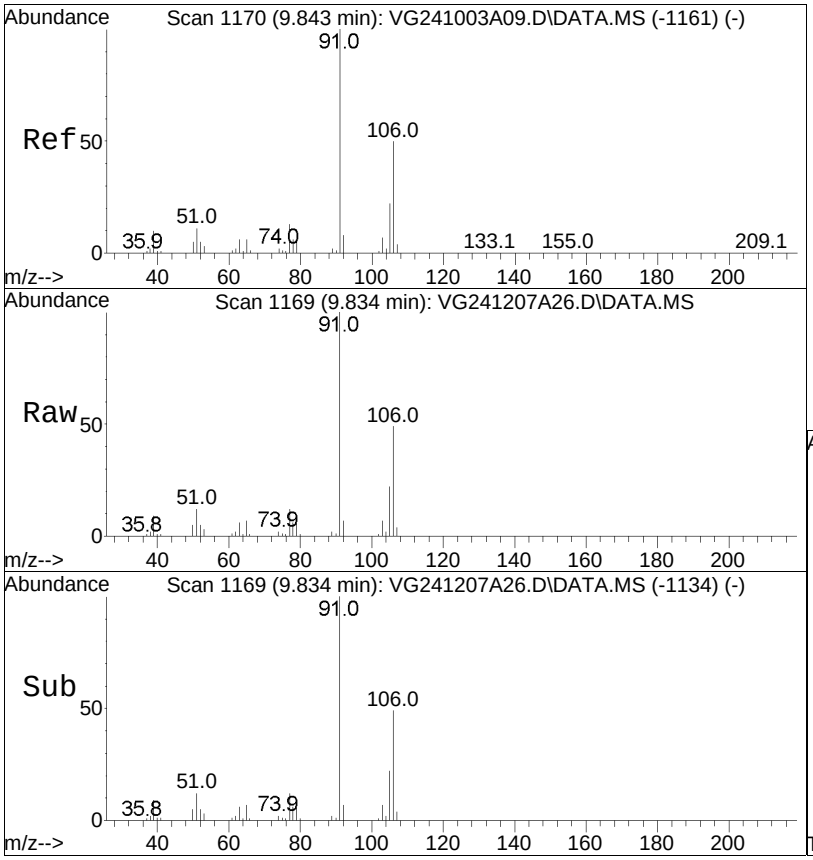


#75
1,1,1,2-Tetrachloroethane
Concen: 9.28 ug/L
RT: 9.694 min Scan# 1152
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:131 Resp: 97964

Ion	Ratio	Lower	Upper
131	100		
133	96.2	77.3	117.3
119	61.7	42.7	82.7

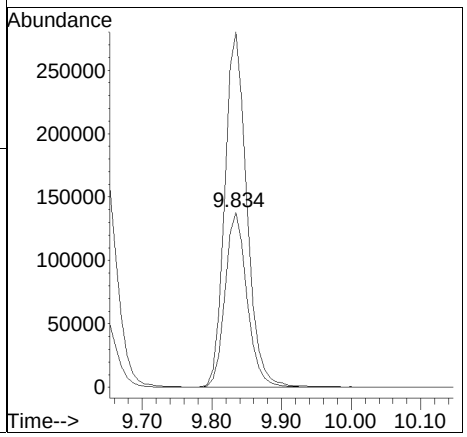


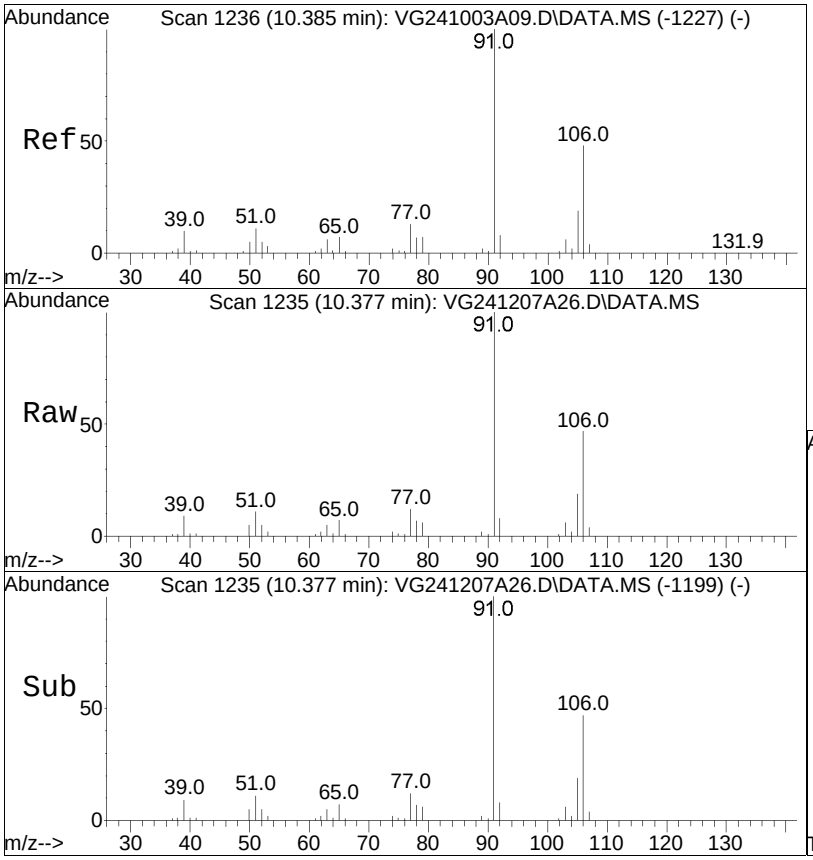


#76
p/m Xylene
Concen: 16.17 ug/L
RT: 9.834 min Scan# 1169
Delta R.T. -0.009 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:106 Resp: 303071

Ion	Ratio	Lower	Upper
106	100		
91	203.2	157.1	235.7

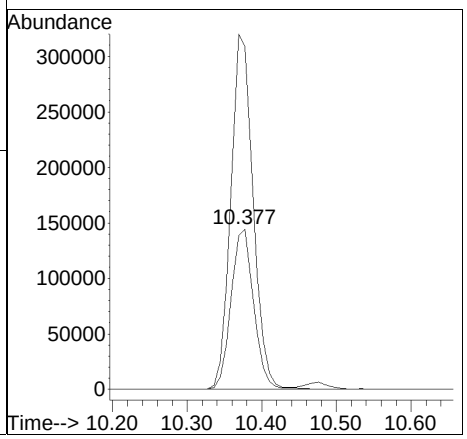


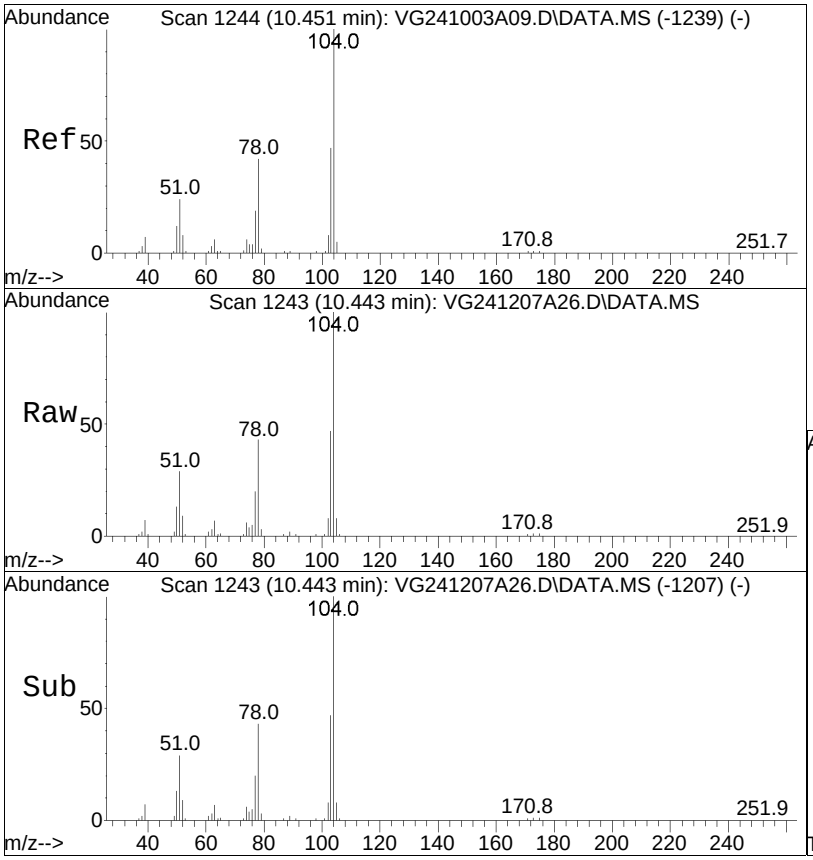


#77
o Xylene
Concen: 16.85 ug/L
RT: 10.377 min Scan# 1235
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:106 Resp: 305891

Ion	Ratio	Lower	Upper
106	100		
91	217.0	164.7	247.1

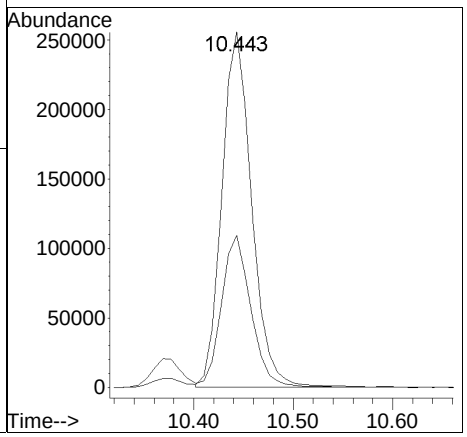


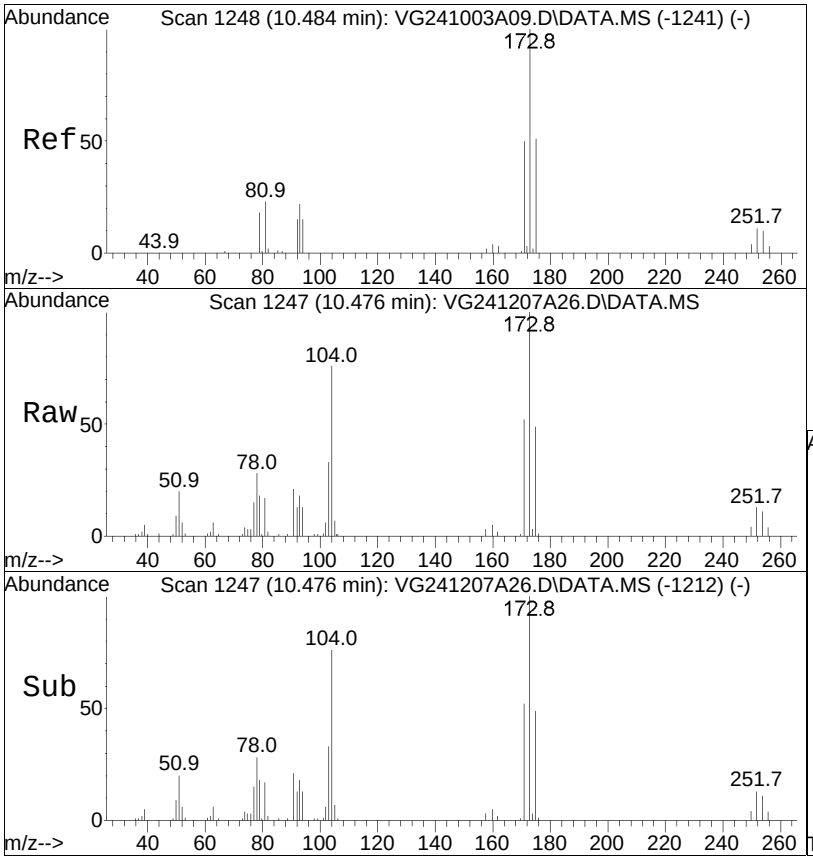


#78
Styrene
Concen: 17.13 ug/L
RT: 10.443 min Scan# 1243
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:104 Resp: 529033

Ion	Ratio	Lower	Upper
104	100		
78	42.4	32.2	48.4

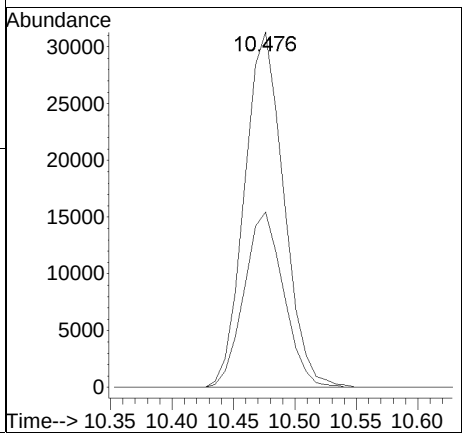


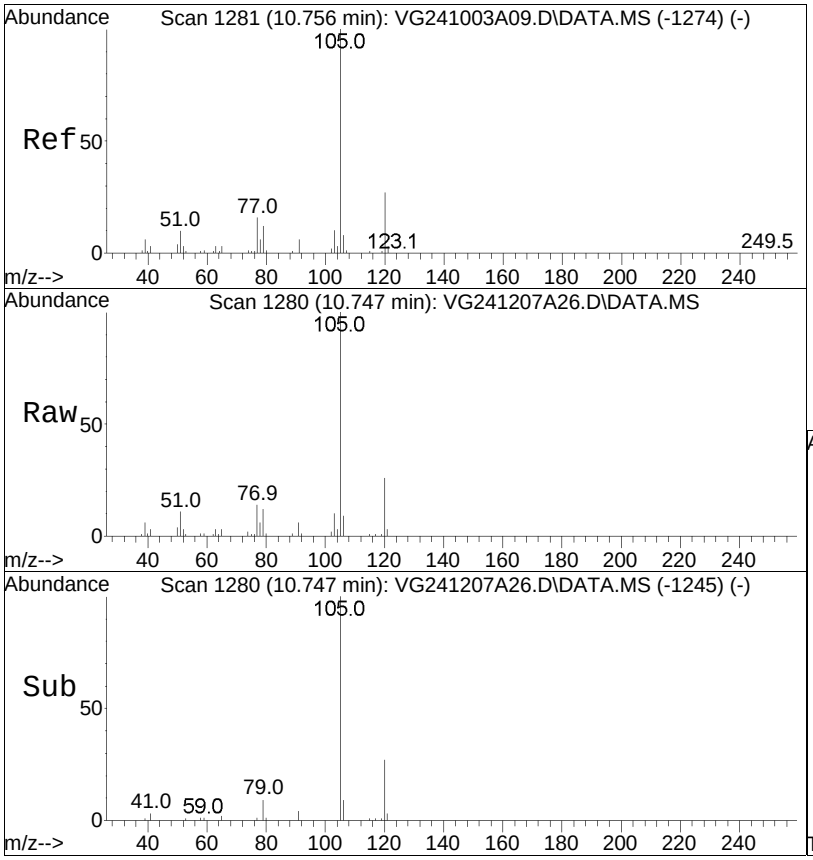


#80
Bromoform
Concen: 8.99 ug/L
RT: 10.476 min Scan# 1247
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:173 Resp: 69727

Ion	Ratio	Lower	Upper
173	100		
175	49.6	28.0	68.0

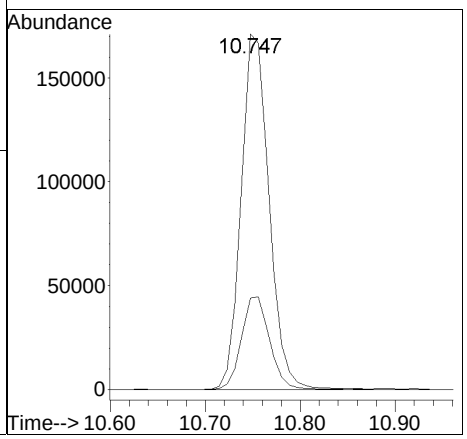


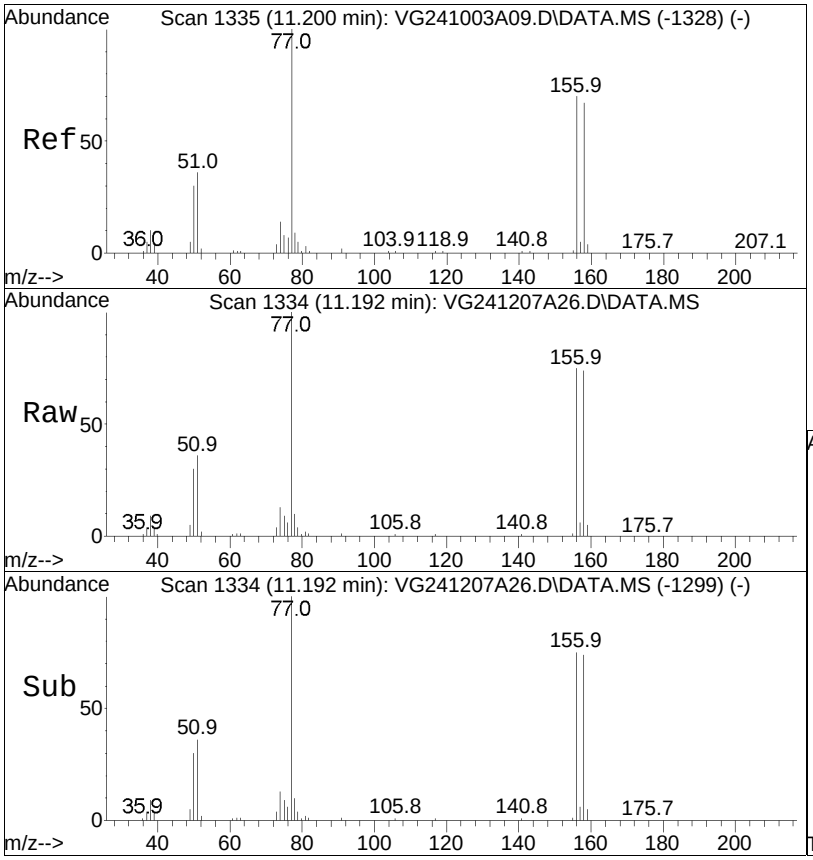


#82
Isopropylbenzene
Concen: 7.33 ug/L
RT: 10.747 min Scan# 1280
Delta R.T. -0.009 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:105 Resp: 350019

Ion	Ratio	Lower	Upper
105	100		
120	26.3	7.0	47.0

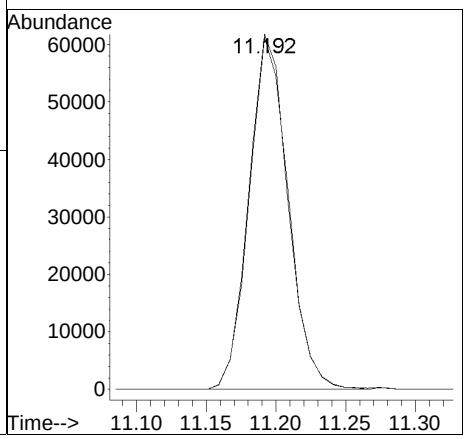


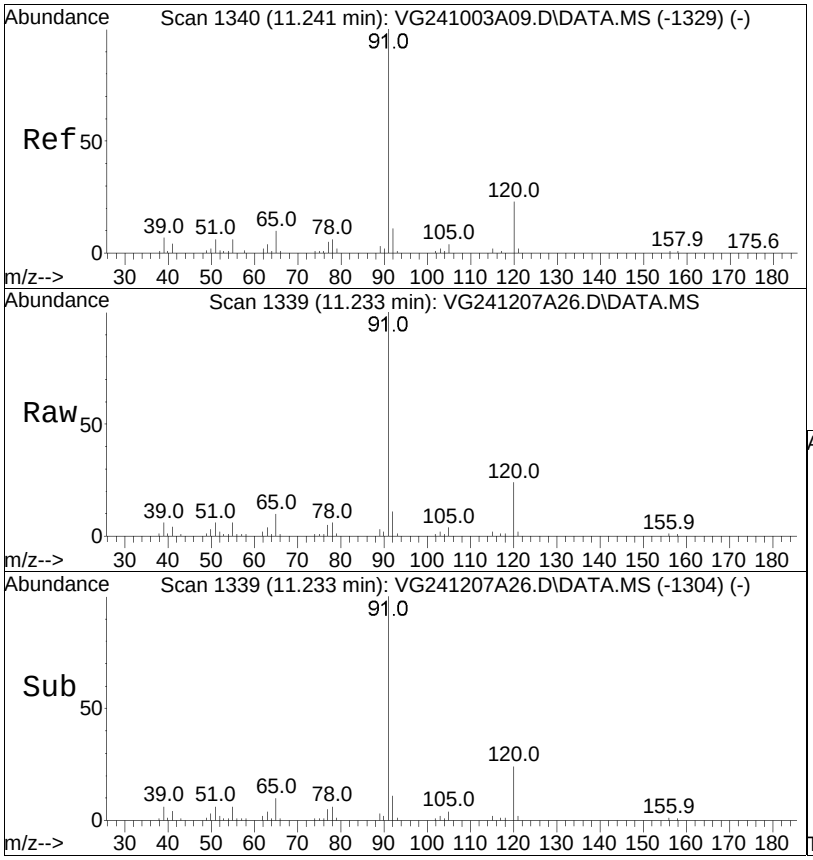


#84
Bromobenzene
Concen: 9.33 ug/L
RT: 11.192 min Scan# 1334
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:156 Resp: 120519

Ion	Ratio	Lower	Upper
156	100		
158	99.3	76.9	115.3

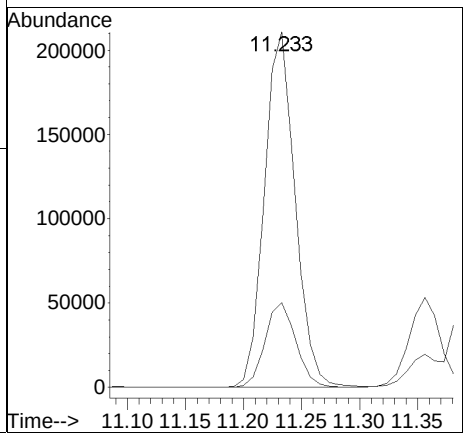


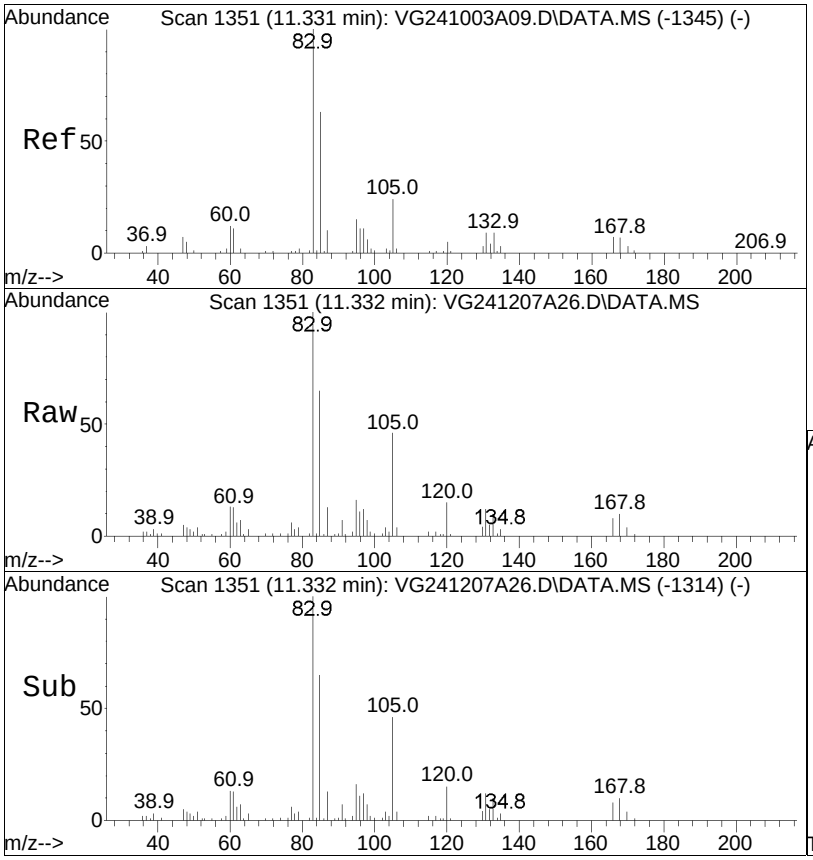


#85
n-Propylbenzene
Concen: 6.99 ug/L
RT: 11.233 min Scan# 1339
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 91 Resp: 388495

Ion	Ratio	Lower	Upper
91	100		
120	23.9	19.0	28.6

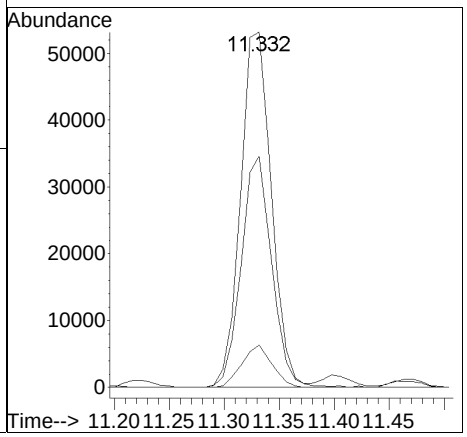


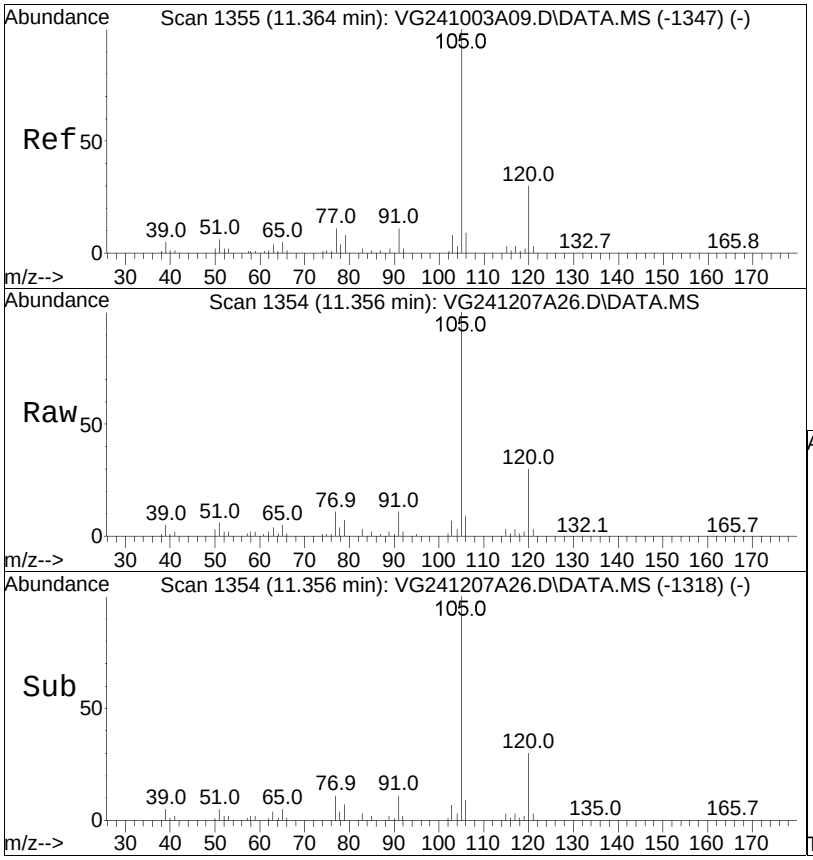


#87
1,1,2,2-Tetrachloroethane
Concen: 8.61 ug/L
RT: 11.332 min Scan# 1351
Delta R.T. 0.001 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 83 Resp: 104064

Ion	Ratio	Lower	Upper
83	100		
131	11.7	0.0	31.0
85	63.8	43.9	83.9

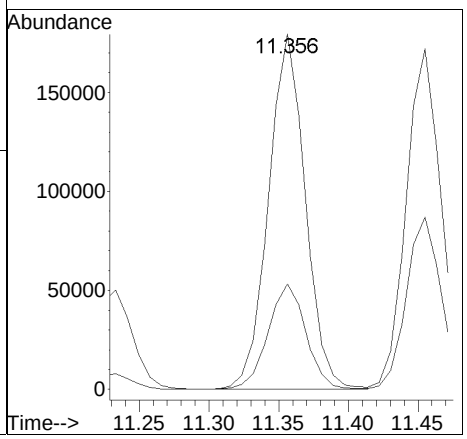


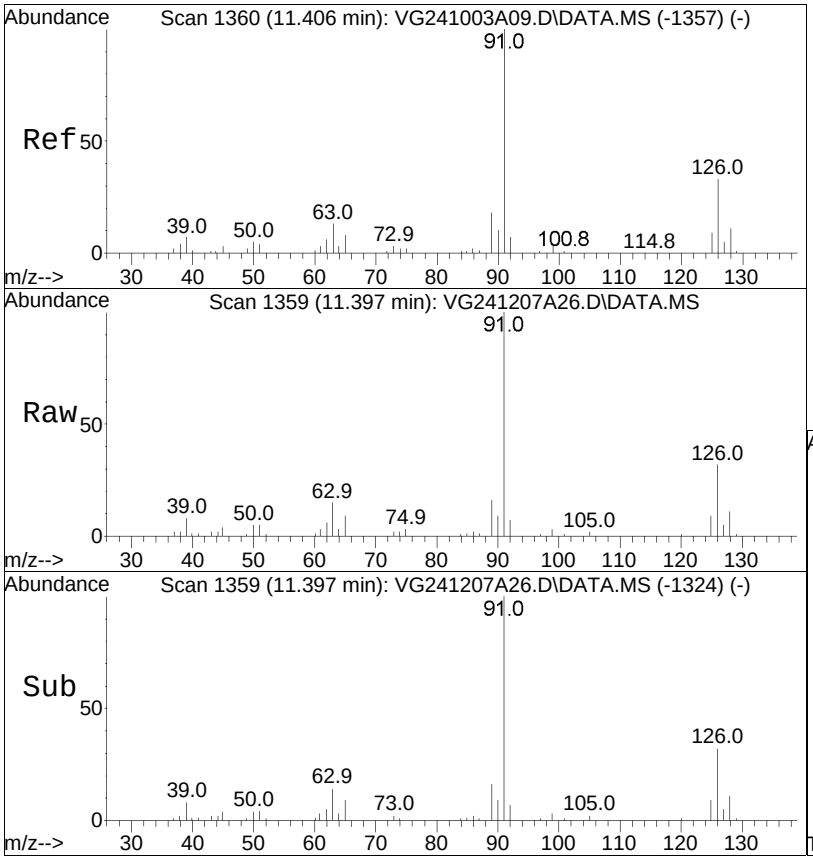


#88
4-Ethyltoluene
Concen: 7.25 ug/L
RT: 11.356 min Scan# 1354
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:105 Resp: 329814

Ion	Ratio	Lower	Upper
105	100		
120	30.6	19.9	41.3

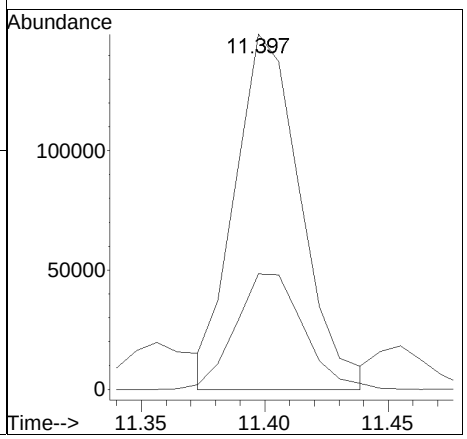


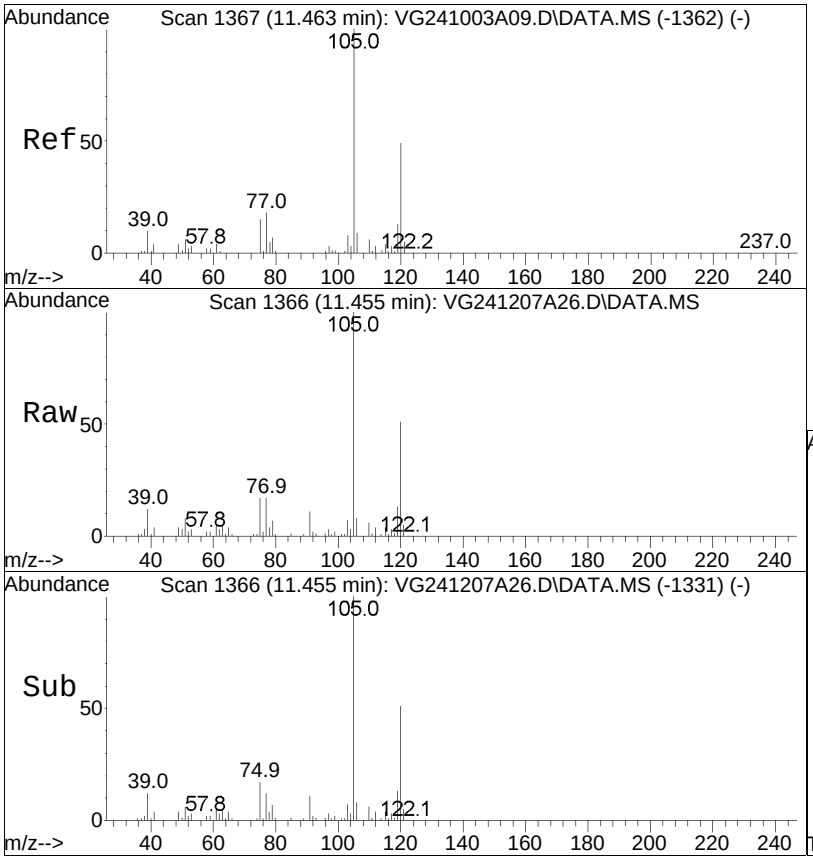


#89
2-Chlorotoluene
Concen: 8.13 ug/L M6
RT: 11.397 min Scan# 1359
Delta R.T. -0.009 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 91 Resp: 275558

Ion	Ratio	Lower	Upper
91	100		
126	33.7	27.4	41.2

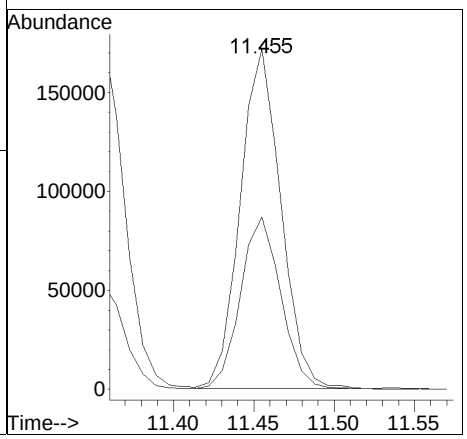


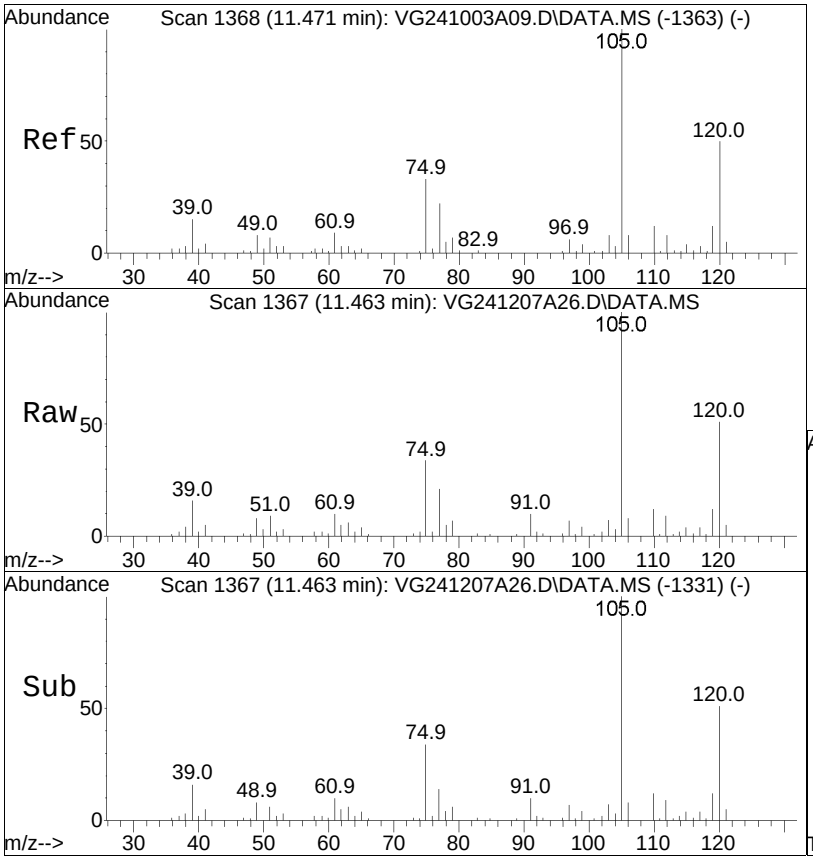


#90
1,3,5-Trimethylbenzene
Concen: 7.49 ug/L
RT: 11.455 min Scan# 1366
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:105 Resp: 301588

Ion	Ratio	Lower	Upper
105	100		
120	51.2	40.3	60.5

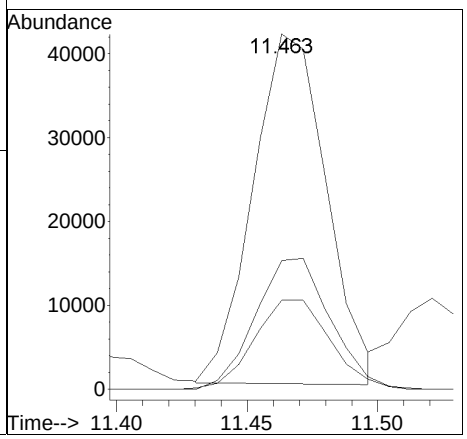


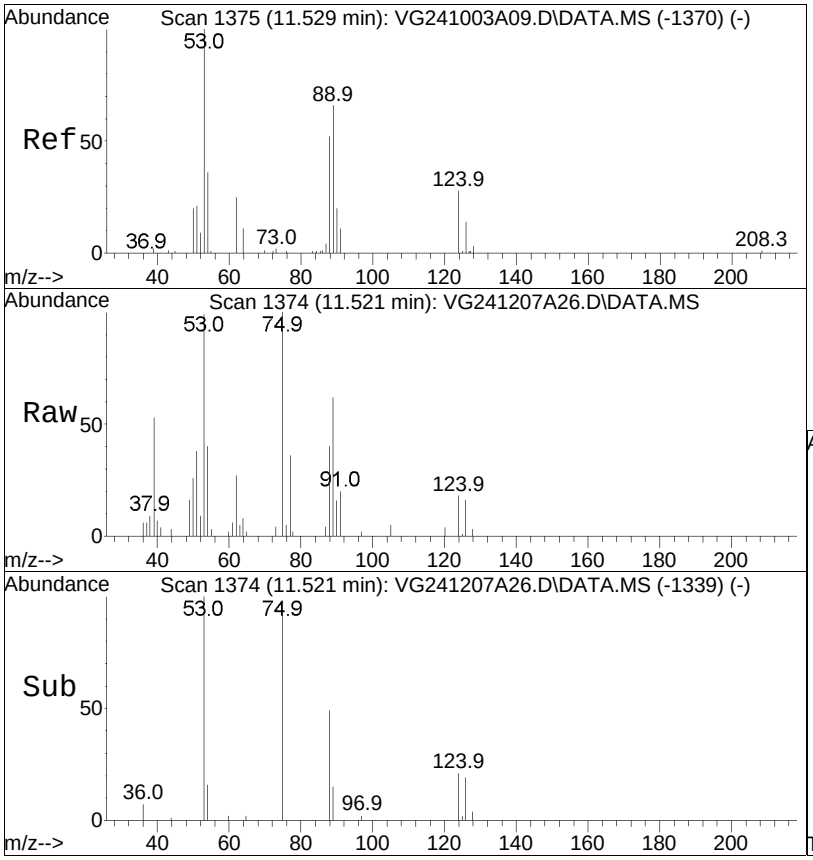


#91
1,2,3-Trichloropropane
Concen: 8.28 ug/L
RT: 11.463 min Scan# 1367
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 75 Resp: 81687

Ion	Ratio	Lower	Upper
75	100		
110	38.2	23.5	48.9
112	26.5	15.9	32.9

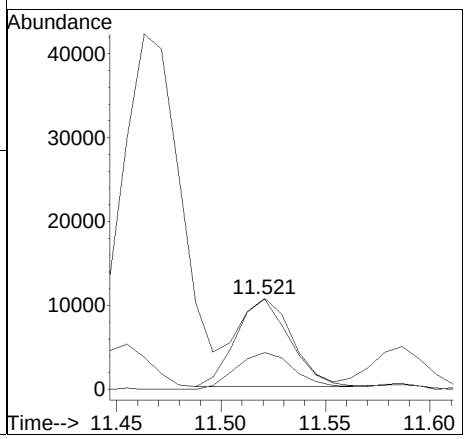


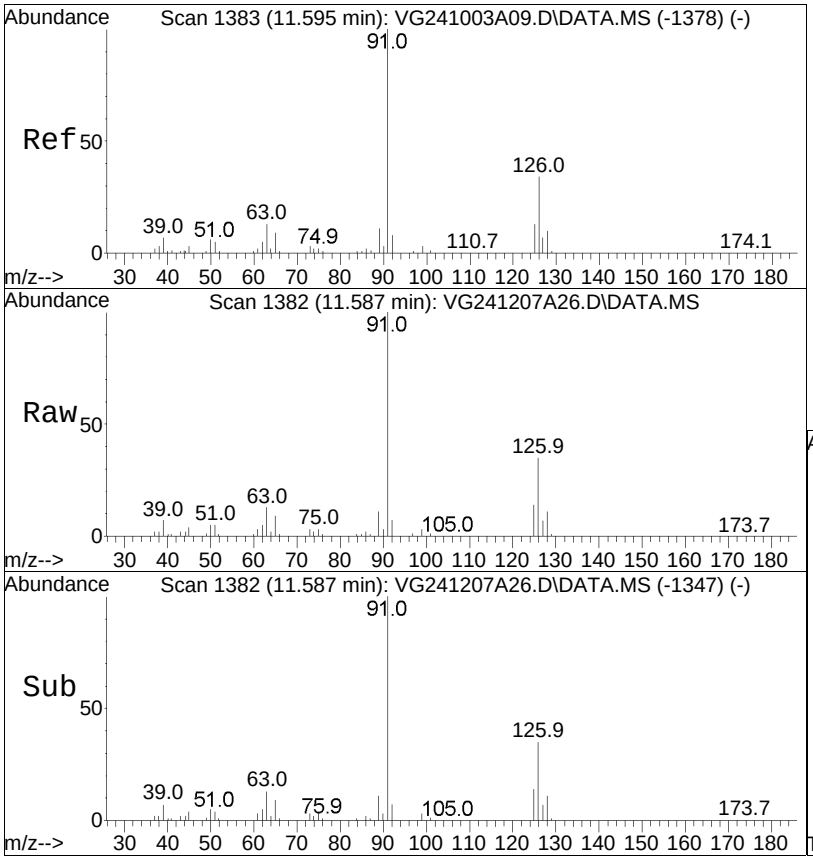


#92
trans-1,4-Dichloro-2-butene
Concen: 4.72 ug/L
RT: 11.521 min Scan# 1374
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 53 Resp: 18769

Ion	Ratio	Lower	Upper
53	100		
88	48.1	41.6	62.4
75	110.0	0.0	0.0#

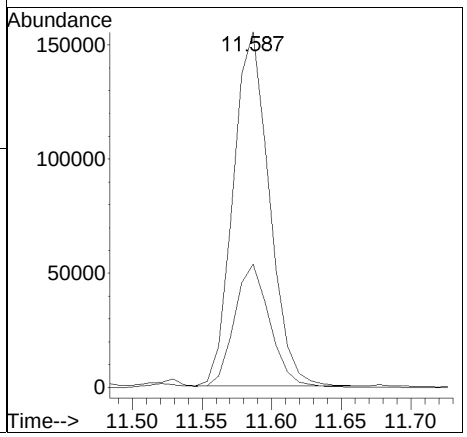


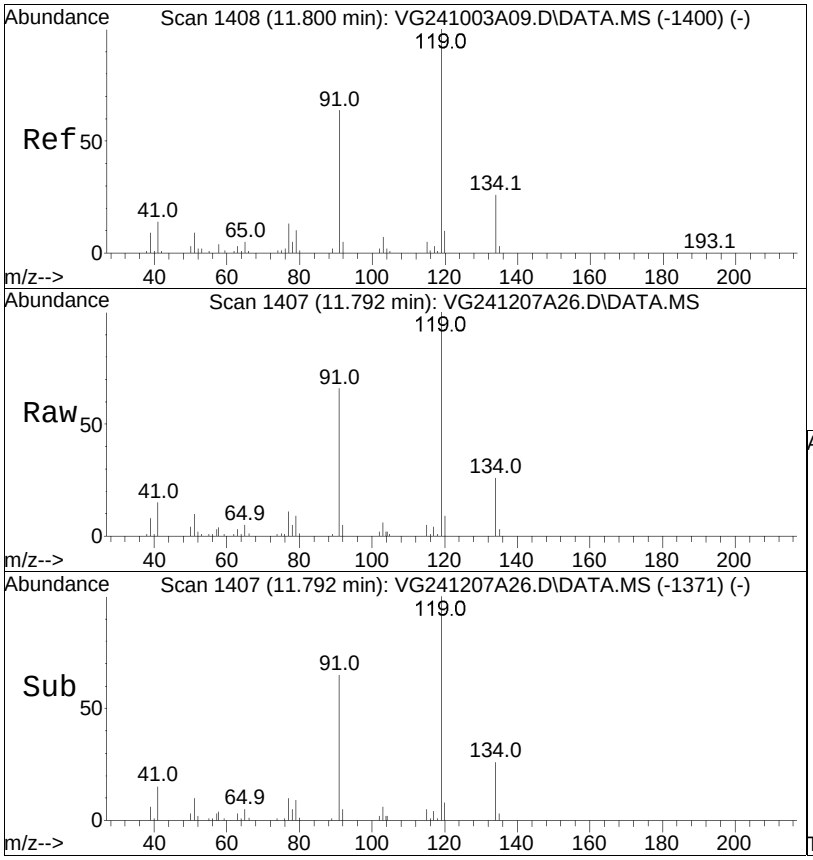


#93
4-Chlorotoluene
Concen: 7.85 ug/L
RT: 11.587 min Scan# 1382
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 91 Resp: 279895

Ion	Ratio	Lower	Upper
91	100		
126	34.6	28.2	42.4

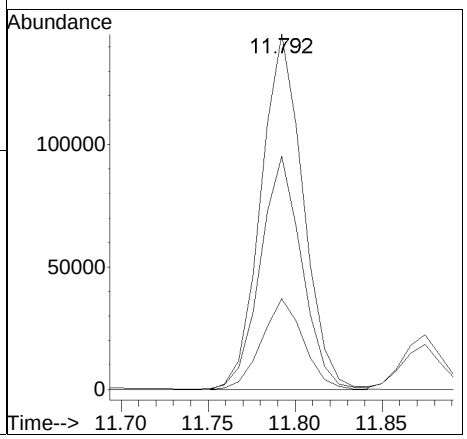


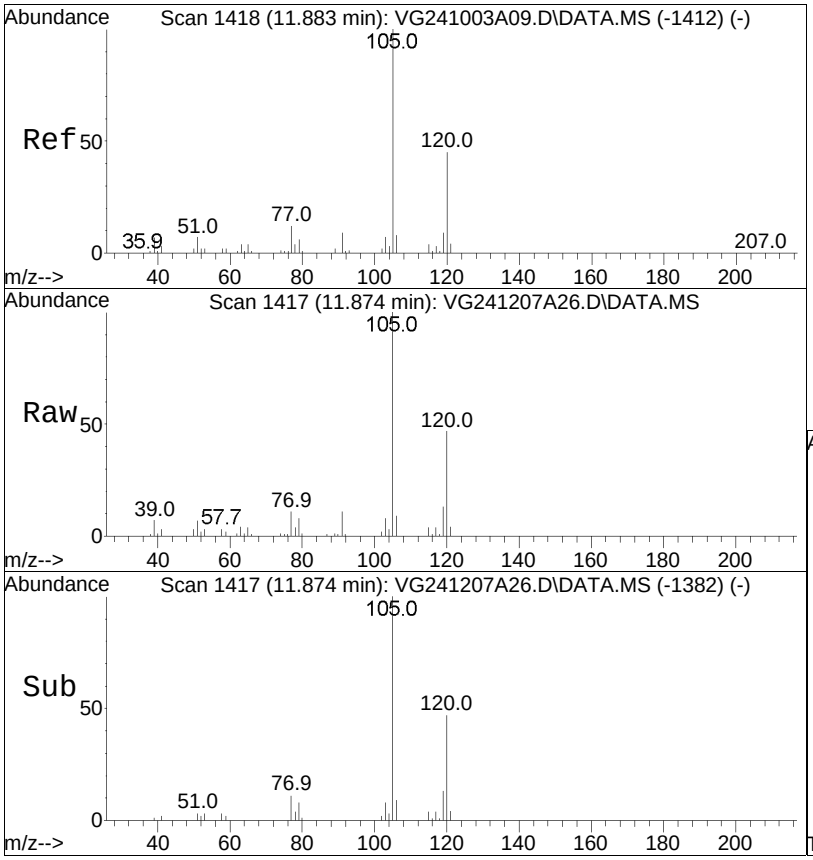


#94
tert-Butylbenzene
Concen: 7.70 ug/L
RT: 11.792 min Scan# 1407
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:119 Resp: 244737

Ion	Ratio	Lower	Upper
119	100		
91	64.4	50.8	76.2
134	25.2	20.2	30.4

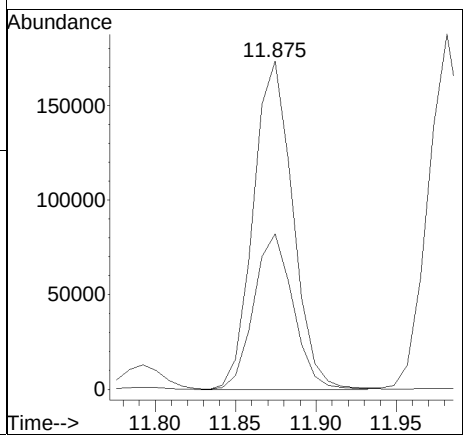


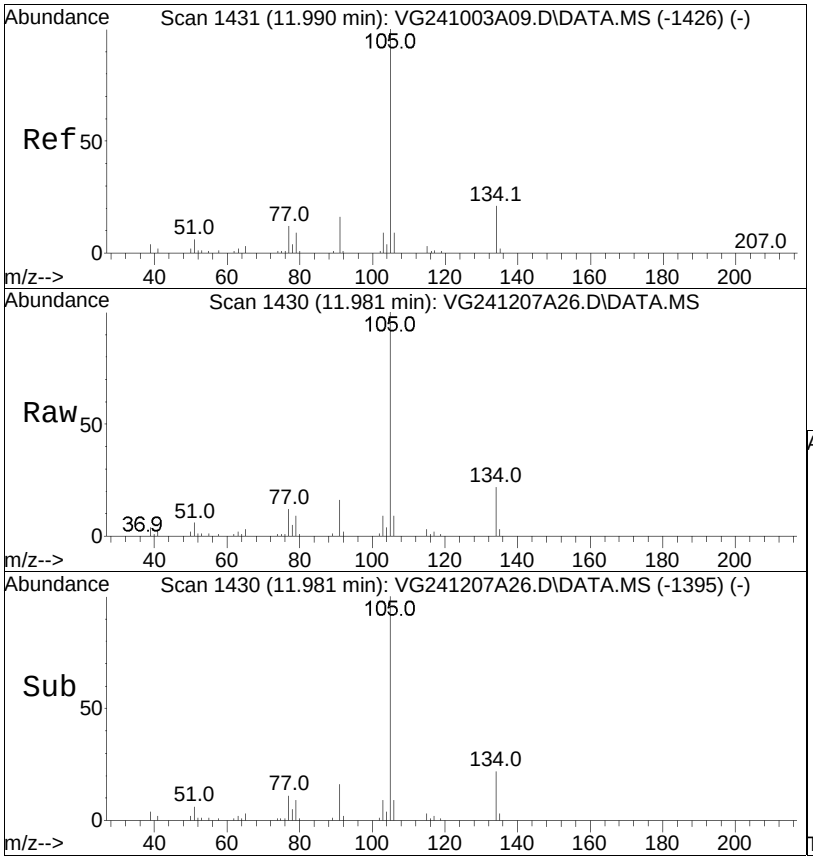


#97
1,2,4-Trimethylbenzene
Concen: 7.53 ug/L
RT: 11.874 min Scan# 1417
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:105 Resp: 296184

Ion	Ratio	Lower	Upper
105	100		
120	47.1	37.8	56.6

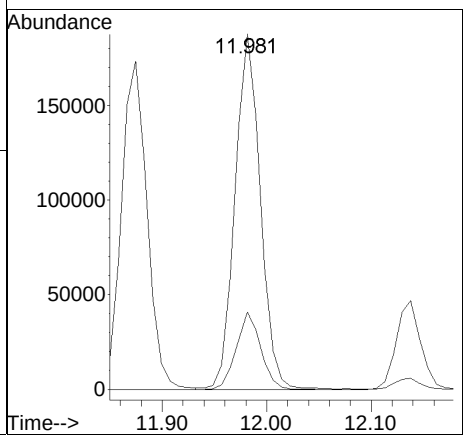


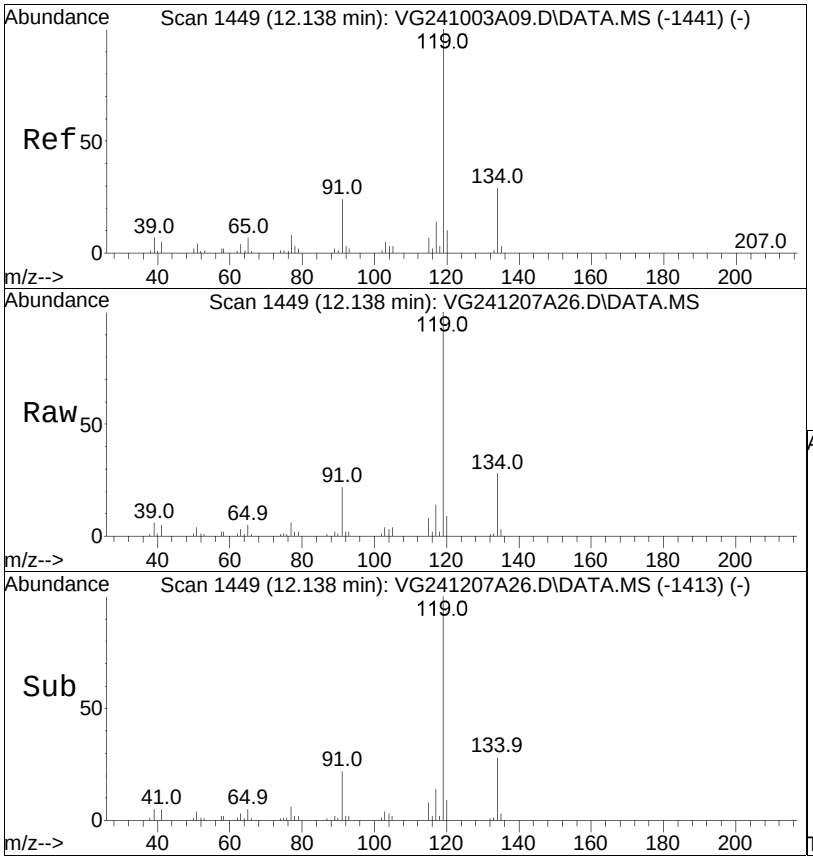


#98
sec-Butylbenzene
Concen: 6.91 ug/L
RT: 11.981 min Scan# 1430
Delta R.T. -0.009 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:105 Resp: 316640

Ion	Ratio	Lower	Upper
105	100		
134	20.9	13.3	27.7

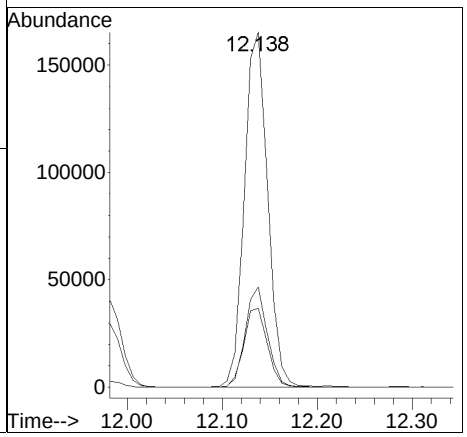


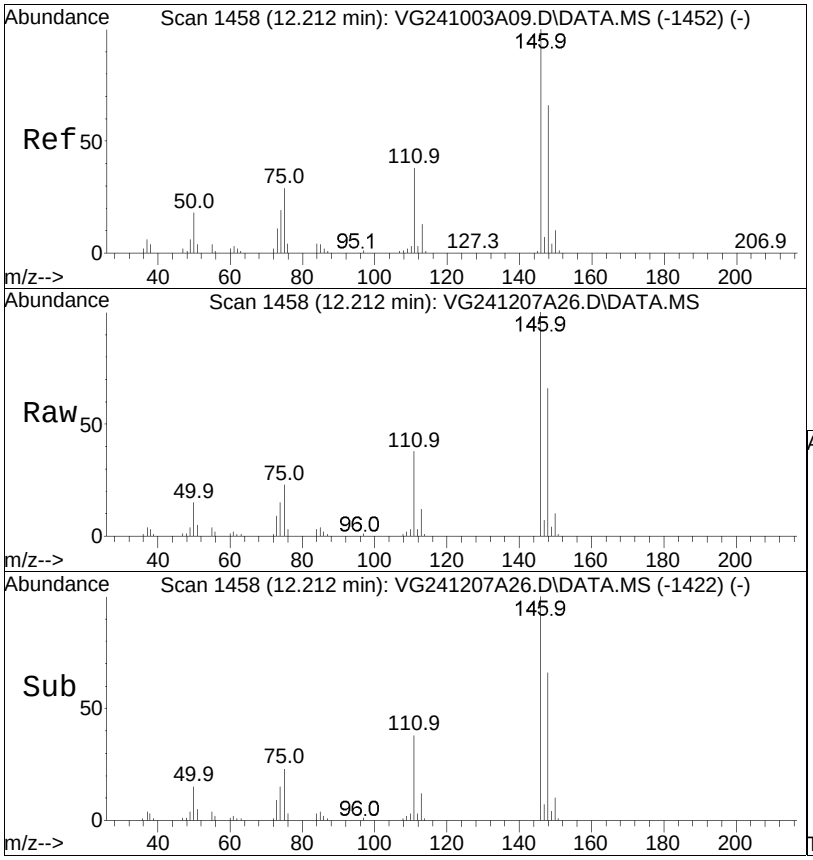


#99
p-Isopropyltoluene
Concen: 7.28 ug/L
RT: 12.138 min Scan# 1449
Delta R.T. -0.000 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:119 Resp: 282882

Ion	Ratio	Lower	Upper
119	100		
134	26.9	17.5	36.3
91	22.8	14.6	30.4

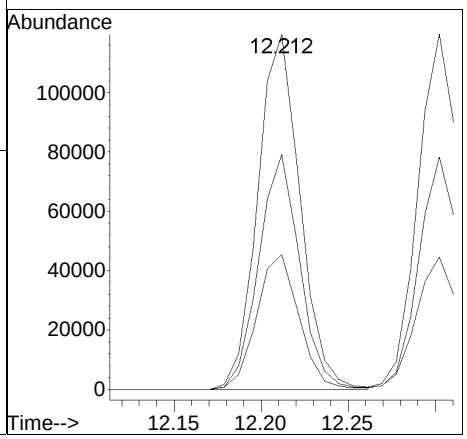


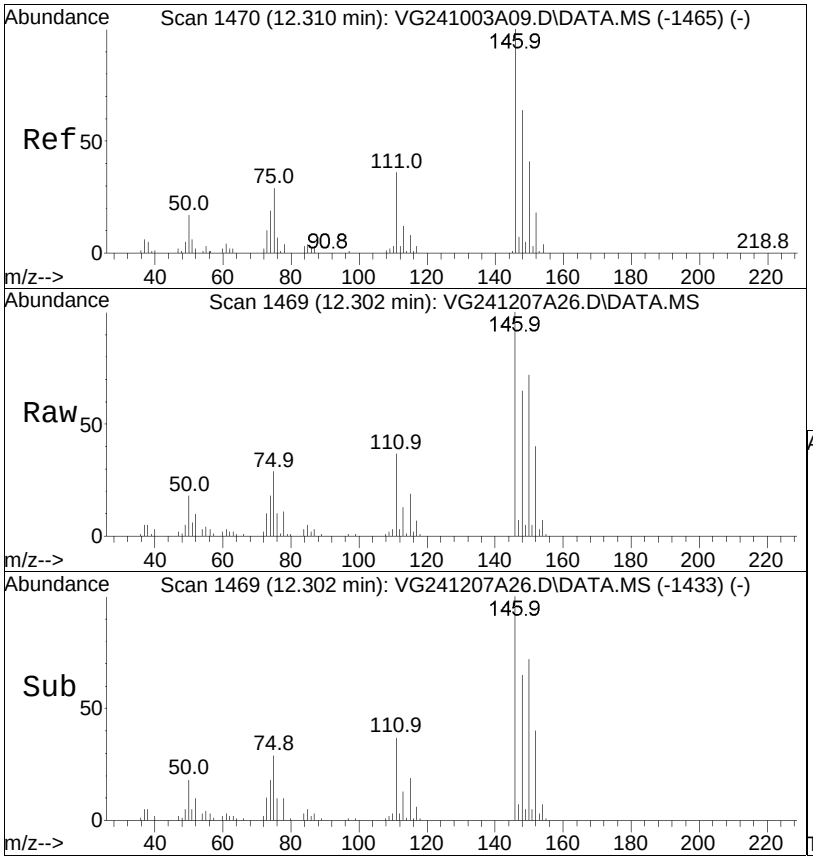


#100
1,3-Dichlorobenzene
Concen: 8.60 ug/L
RT: 12.212 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:146 Resp: 202272

Ion	Ratio	Lower	Upper
146	100		
111	37.9	24.4	50.6
148	64.1	41.0	85.2

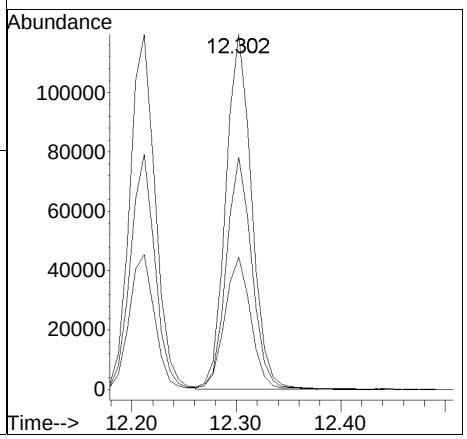


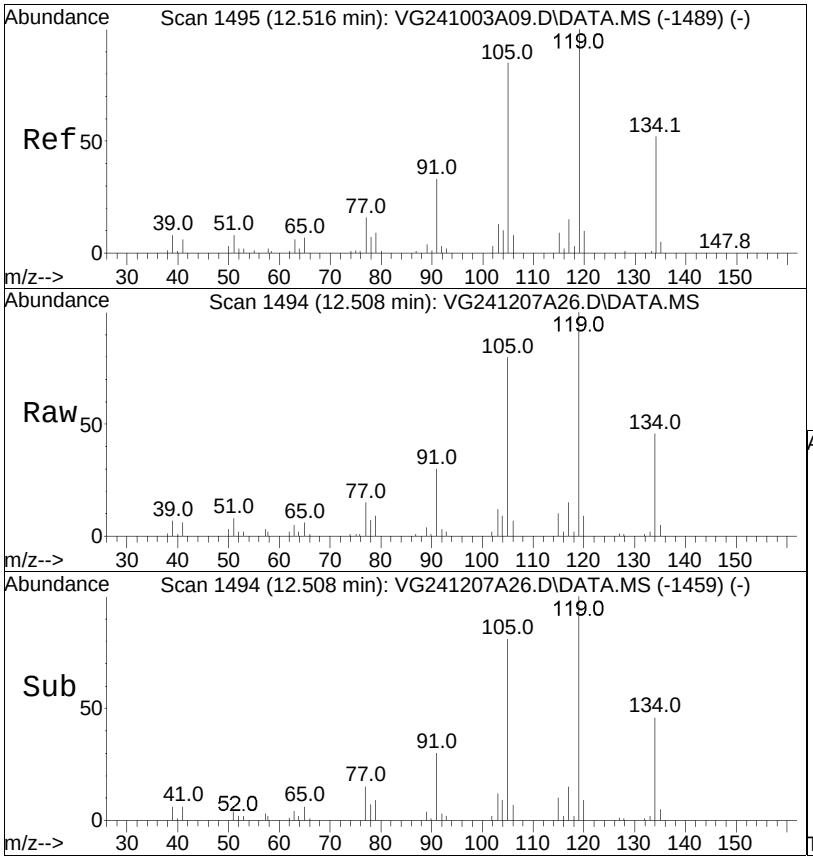


#101
1,4-Dichlorobenzene
Concen: 8.41 ug/L
RT: 12.302 min Scan# 1469
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:146 Resp: 205504

Ion	Ratio	Lower	Upper
146	100		
111	38.1	29.3	43.9
148	64.9	51.2	76.8

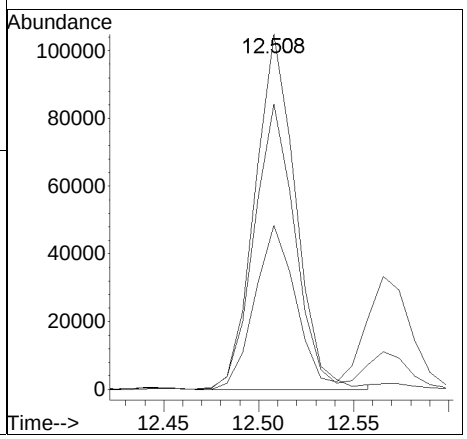


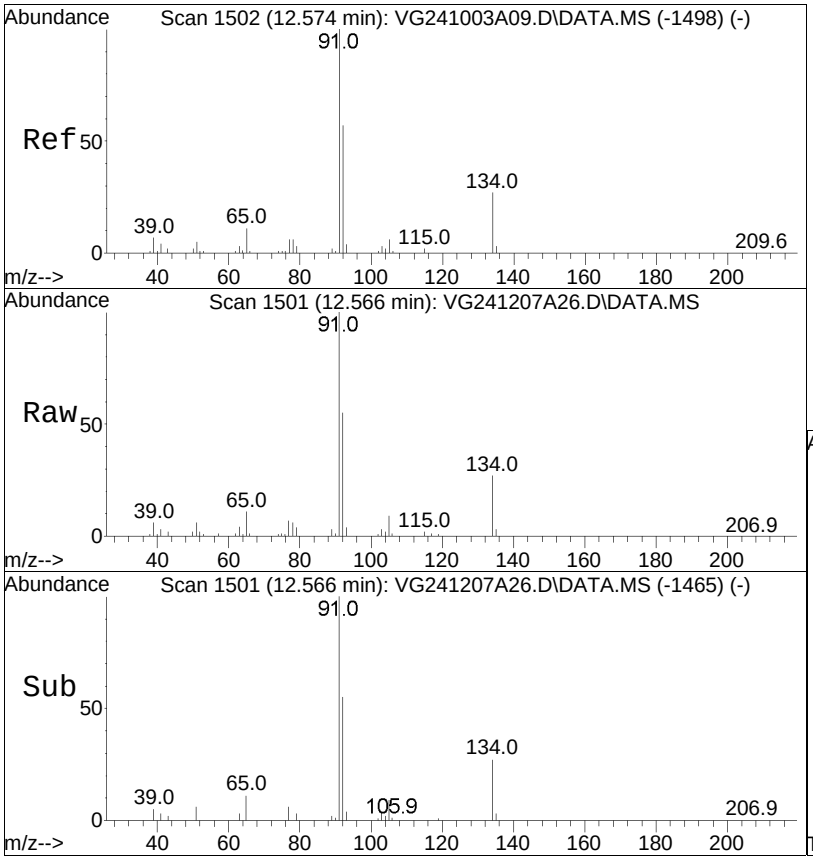


#102
p-Diethylbenzene
Concen: 7.15 ug/L
RT: 12.508 min Scan# 1494
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:119 Resp: 155851

Ion	Ratio	Lower	Upper
119	100		
105	80.3	53.9	112.1
134	46.9	32.0	66.6

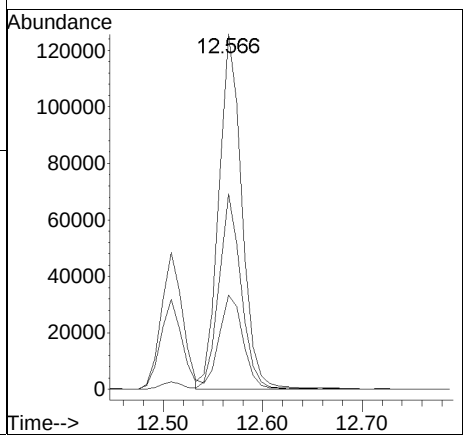


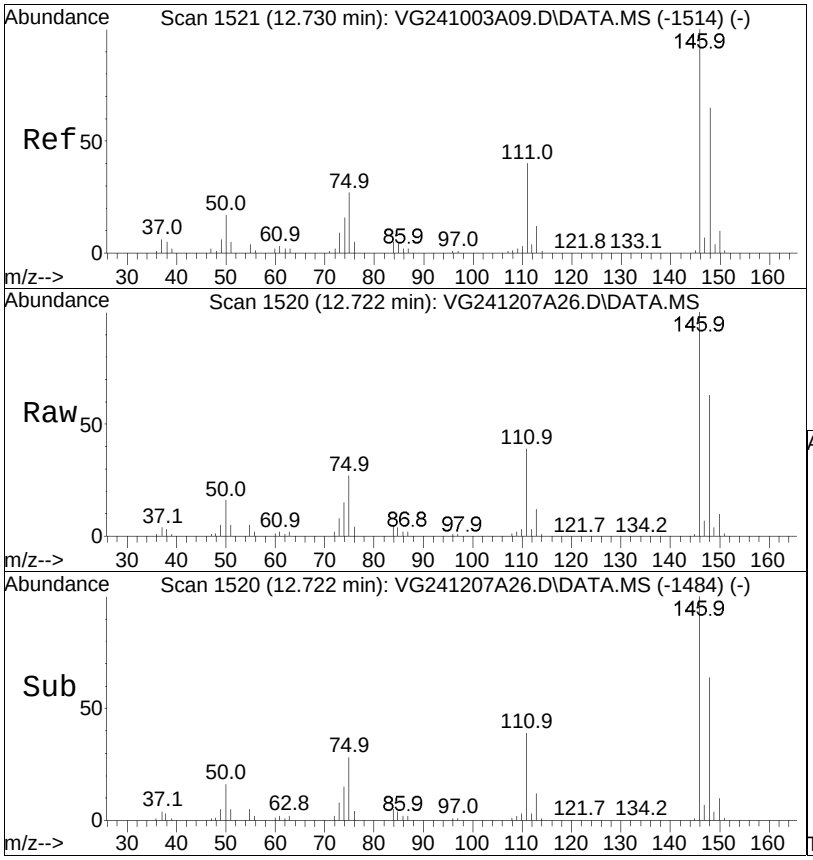


#103
n-Butylbenzene
Concen: 6.49 ug/L
RT: 12.566 min Scan# 1501
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion: 91 Resp: 202973

Ion	Ratio	Lower	Upper
91	100		
92	52.5	43.8	65.8
134	27.4	22.0	33.0

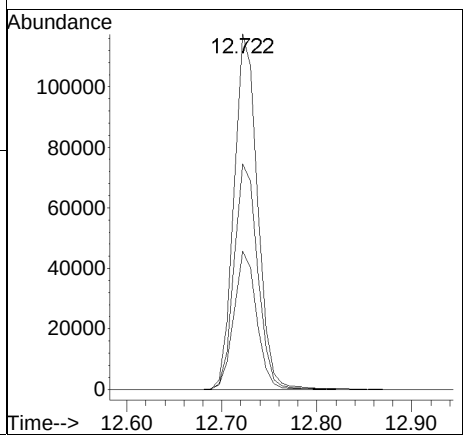


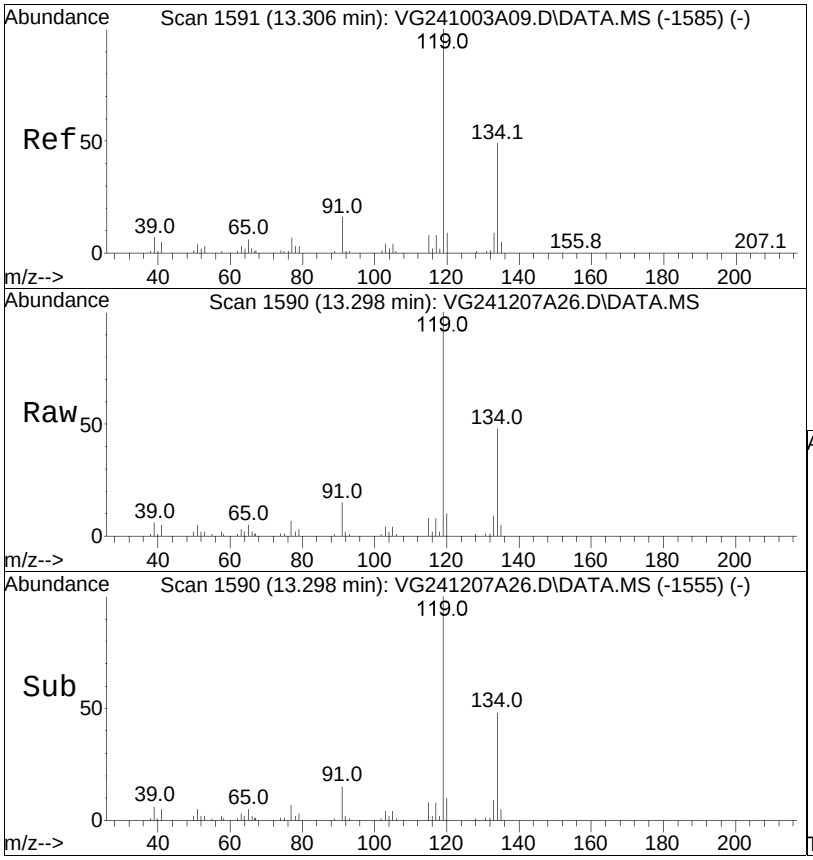


#104
1,2-Dichlorobenzene
Concen: 8.95 ug/L
RT: 12.722 min Scan# 1520
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:146 Resp: 202955

Ion	Ratio	Lower	Upper
146	100		
111	37.6	25.4	52.8
148	63.4	41.7	86.5

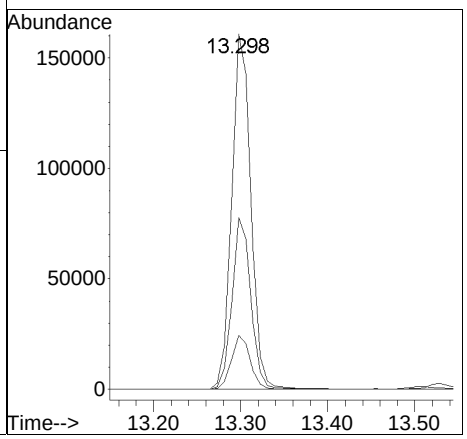


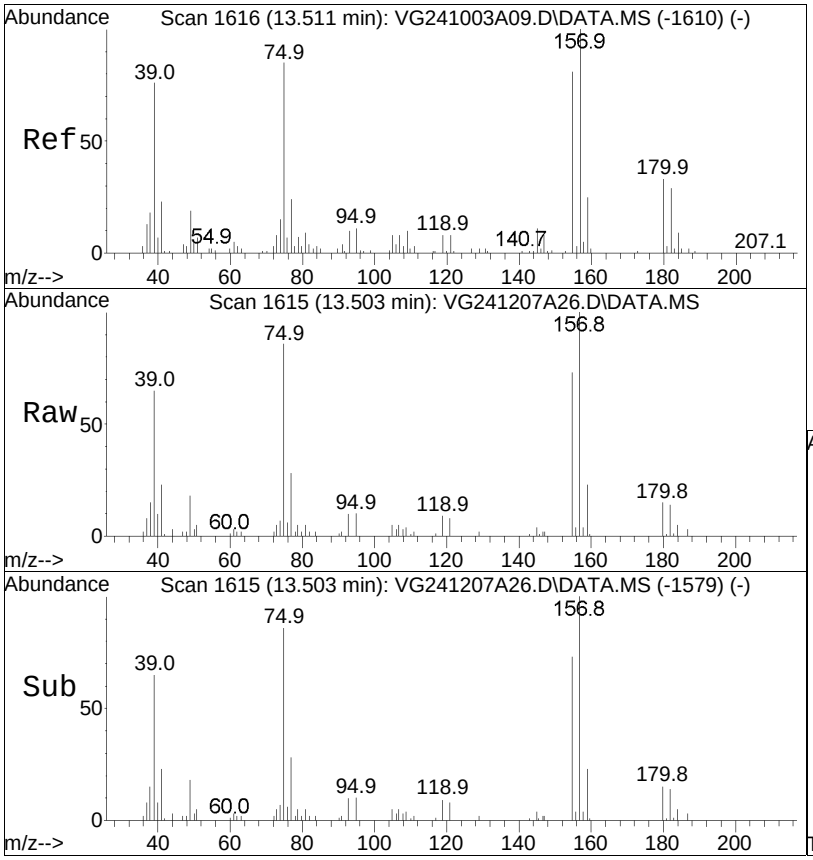


#105
1,2,4,5-Tetramethylbenzene
Concen: 8.03 ug/L
RT: 13.298 min Scan# 1590
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:119 Resp: 246223

Ion	Ratio	Lower	Upper
119	100		
134	47.6	32.7	67.9
91	15.0	9.9	20.7

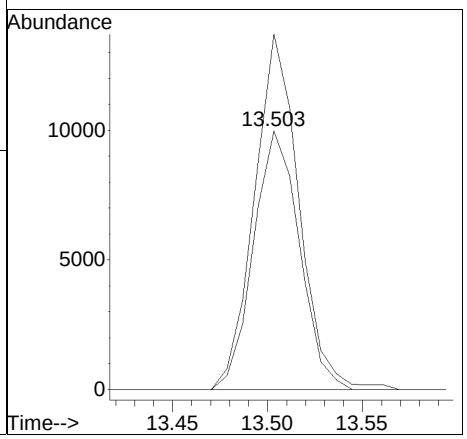


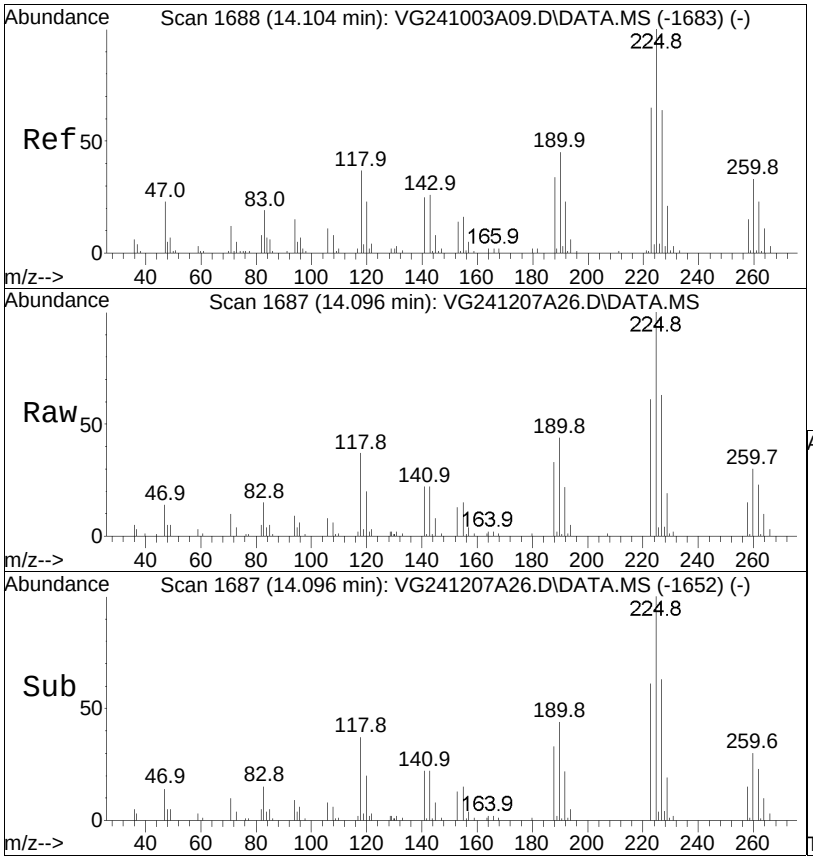


#106
1,2-Dibromo-3-chloropropane
Concen: 8.32 ug/L
RT: 13.503 min Scan# 1615
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:155 Resp: 16750

Ion	Ratio	Lower	Upper
155	100		
157	133.5	99.9	149.9

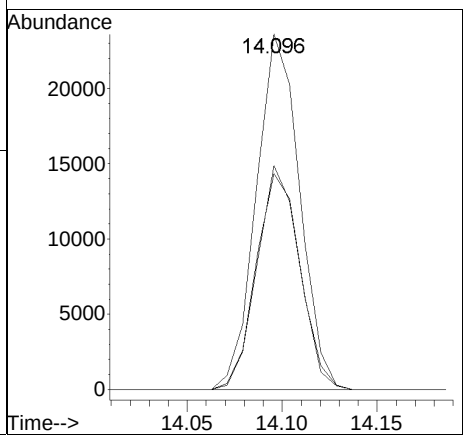


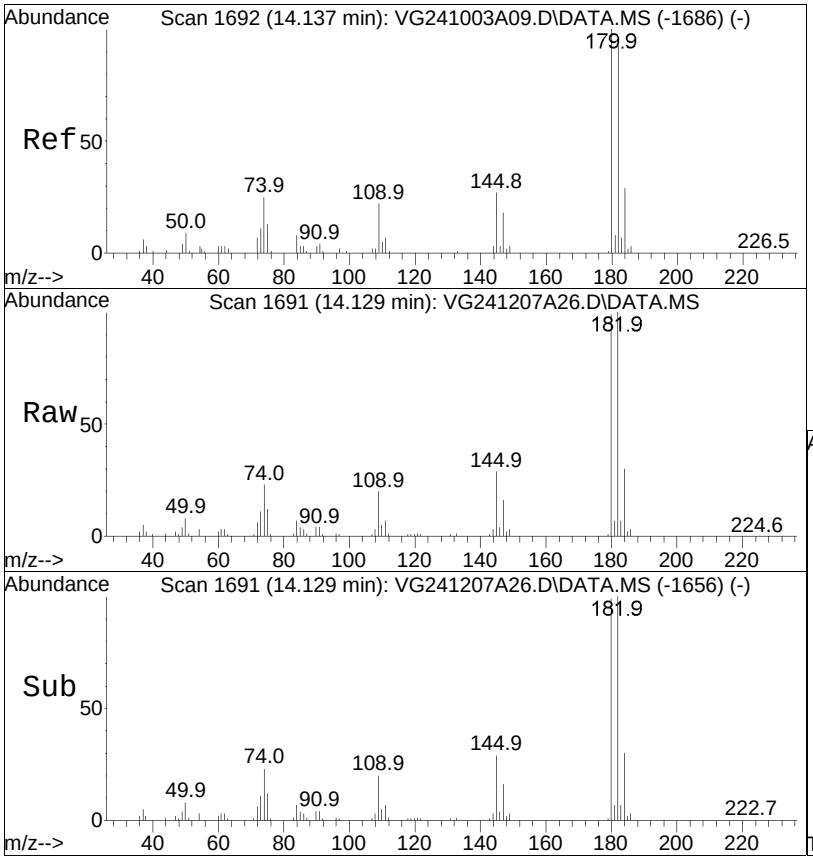


#108
Hexachlorobutadiene
Concen: 8.18 ug/L
RT: 14.096 min Scan# 1687
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:225 Resp: 37511

Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.1	75.1
227	61.7	50.2	75.4

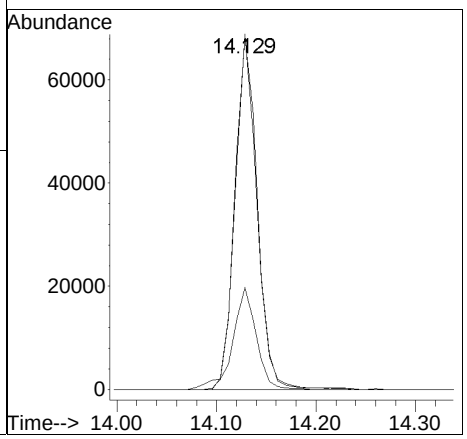


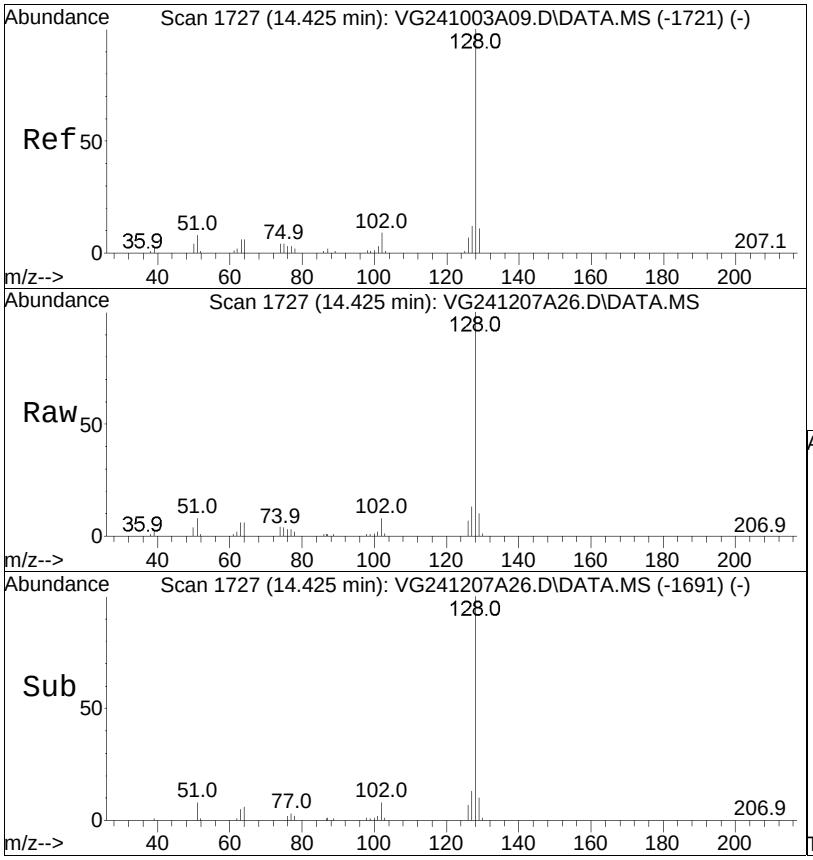


#109
1,2,4-Trichlorobenzene
Concen: 8.85 ug/L
RT: 14.129 min Scan# 1691
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:180 Resp: 107160

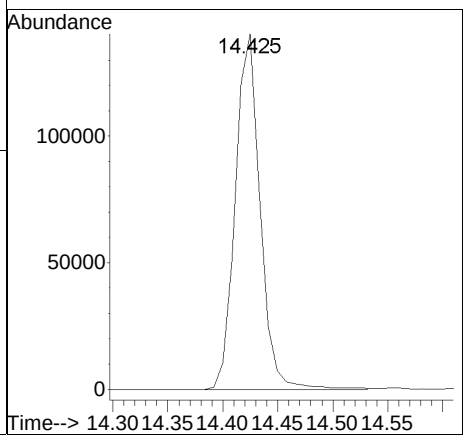
Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.7	115.1
145	30.1	26.5	39.7

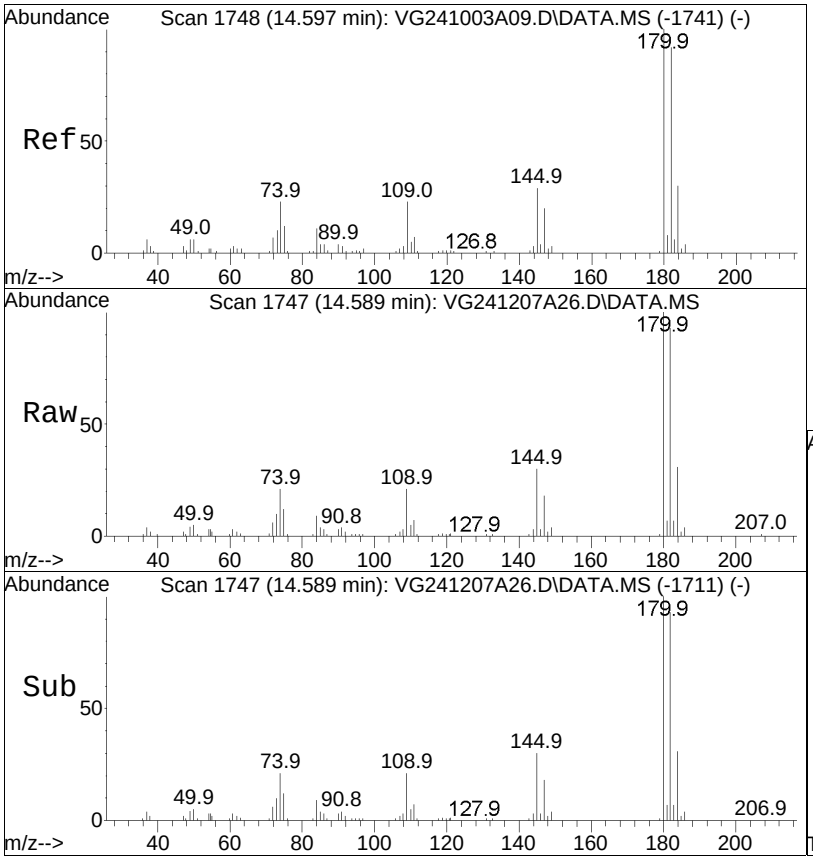




#110
Naphthalene
Concen: 8.60 ug/L
RT: 14.425 min Scan# 1727
Delta R.T. -0.000 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:128 Resp: 220563

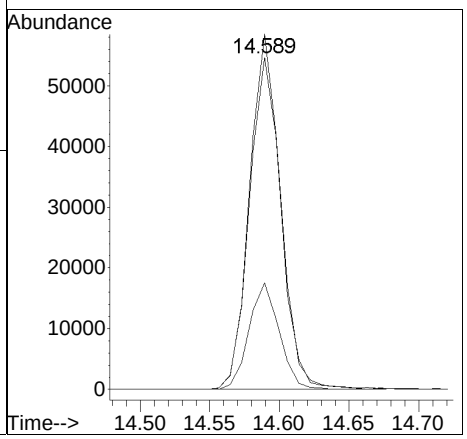




#111
1,2,3-Trichlorobenzene
Concen: 8.93 ug/L
RT: 14.589 min Scan# 1747
Delta R.T. -0.008 min
Lab File: VG241207A26.D
Acq: 7 Dec 2024 10:18 pm

Tgt Ion:180 Resp: 90489

Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.0	115.4
145	29.2	24.1	36.1

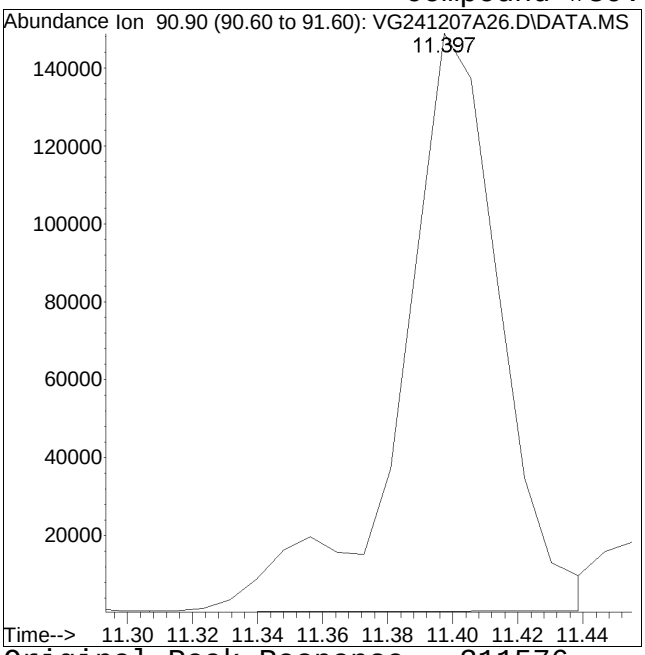


Manual Integration Report

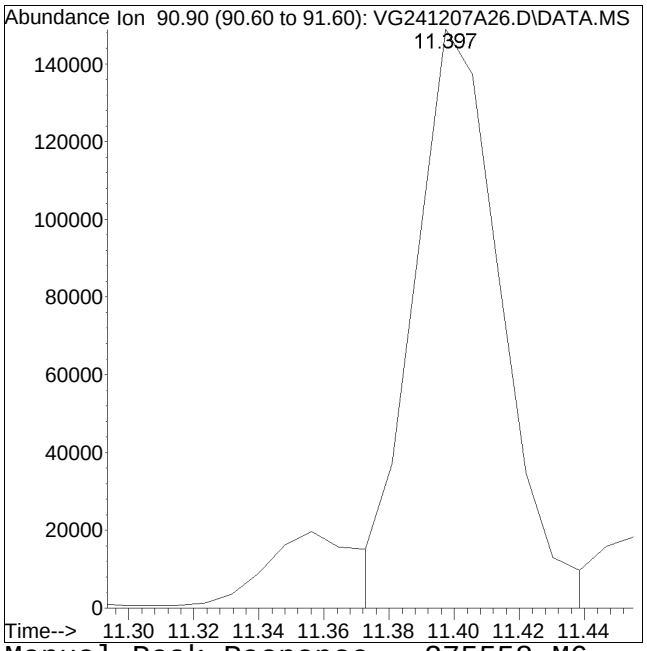
Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A26.D
Date Inj'd : 12/7/2024 10:18 pm
Sample : WG2006732-6,31,10,10,,a2

QMethod : G_241003A_8260.m
Operator : GONZO:MJV
Instrument : Gonzo
Quant Date : 12/9/2024 7:35 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 311576



Manual Peak Response = 275558 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A27.D
Acq On : 7 Dec 2024 10:42 pm
Operator : GONZO:MJV
Sample : WG2006732-7,31,10,10,,a1
Misc : WG2006732,ICAL21571
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 09 07:44:23 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.056	96	483479	10.000	ug/L	0.00
Standard Area 1 = 468300			Recovery = 103.24%			
59) Chlorobenzene-d5	9.596	117	375087	10.000	ug/L	0.00
Standard Area 1 = 363004			Recovery = 103.33%			
79) 1,4-Dichlorobenzene-d4	12.286	152	222937	10.000	ug/L	0.00
Standard Area 1 = 211946			Recovery = 105.19%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.250	113	124194	10.301	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.01%			
43) 1,2-Dichloroethane-d4	5.775	65	146561	10.551	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.51%			
60) Toluene-d8	7.743	98	477766	9.631	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.31%			
83) 4-Bromofluorobenzene	11.085	95	181026	9.265	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.65%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.657	85	74896	7.291	ug/L	98
3) Chloromethane	1.877	50	110549	9.927	ug/L	99
4) Vinyl chloride	1.923	62	85936	7.743	ug/L	96
5) Bromomethane	2.234	94	17361	2.713	ug/L	97
6) Chloroethane	2.333	64	35509	5.561	ug/L	99
7) Trichlorofluoromethane	2.485	101	116611	7.881	ug/L	92
8) Ethyl ether	2.797	74	46624	8.656	ug/L #	77
10) 1,1-Dichloroethene	2.986	96	73674	8.642	ug/L	83
11) Carbon disulfide	3.017	76	209779	8.100	ug/L	99
15) Methylene chloride	3.549	84	96022	9.368	ug/L #	72
17) Acetone	3.594	43	30924	11.673	ug/L	94
18) trans-1,2-Dichloroethene	3.701	96	82793	8.959	ug/L	83
20) Methyl tert-butyl ether	3.784	73	256409	8.204	ug/L	89
23) 1,1-Dichloroethane	4.278	63	185239	10.349	ug/L	99
25) Acrylonitrile	4.339	53	31640	9.574	ug/L	93
27) Vinyl acetate	4.521	43	104046	4.148	ug/L #	93
28) cis-1,2-Dichloroethene	4.802	96	102215	9.555	ug/L	89
29) 2,2-Dichloropropane	4.901	77	56881	4.781	ug/L	92
30) Bromochloromethane	5.000	128	49353	10.139	ug/L #	75
32) Chloroform	5.068	83	168093	9.701	ug/L	96

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A27.D
Acq On : 7 Dec 2024 10:42 pm
Operator : GONZO:MJV
Sample : WG2006732-7,31,10,10,,a1
Misc : WG2006732,ICAL21571
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 09 07:44:23 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.197	117	112107	8.487	ug/L		99
37) 1,1,1-Trichloroethane	5.266	97	138442	9.057	ug/L		96
39) 2-Butanone	5.364	43	47604	11.783	ug/L	#	65
40) 1,1-Dichloropropene	5.387	75	100521	7.838	ug/L		97
41) Benzene	5.630	78	378989	9.504	ug/L	#	92
44) 1,2-Dichloroethane	5.843	62	140447	10.399	ug/L		99
48) Trichloroethene	6.230	95	87901	8.213	ug/L		99
50) Dibromomethane	6.679	93	58737	9.642	ug/L		95
51) 1,2-Dichloropropane	6.777	63	106331	10.279	ug/L		98
54) Bromodichloromethane	6.853	83	129972	9.313	ug/L		100
57) 1,4-Dioxane	7.063	88	46260	444.928	ug/L	#	80
58) cis-1,3-Dichloropropene	7.543	75	124923	7.901	ug/L		94
61) Toluene	7.800	92	221034	8.468	ug/L		99
62) 4-Methyl-2-pentanone	8.245	58	31978	8.747	ug/L		92
63) Tetrachloroethene	8.252	166	84202	7.457	ug/L		98
65) trans-1,3-Dichloropropene	8.295	75	112877	7.418	ug/L		98
68) 1,1,2-Trichloroethane	8.481	83	67665	8.523	ug/L		97
69) Chlorodibromomethane	8.696	129	102111	9.298	ug/L		98
70) 1,3-Dichloropropane	8.803	76	141931	9.004	ug/L		99
71) 1,2-Dibromoethane	8.968	107	82841	8.817	ug/L		97
72) 2-Hexanone	9.255	43	56210	8.593	ug/L		94
73) Chlorobenzene	9.612	112	247715	8.832	ug/L		97
74) Ethylbenzene	9.645	91	370992	7.396	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.695	131	95231	8.859	ug/L		99
76) p/m Xylene	9.834	106	283391	14.850	ug/L		93
77) o Xylene	10.377	106	291856	15.792	ug/L		94
78) Styrene	10.443	104	502362	15.971	ug/L		97
80) Bromoform	10.476	173	68204	8.512	ug/L		98
82) Isopropylbenzene	10.756	105	326599	6.627	ug/L		100
84) Bromobenzene	11.192	156	116908	8.764	ug/L		99
85) n-Propylbenzene	11.233	91	363552	6.335	ug/L		100
87) 1,1,2,2-Tetrachloroethane	11.332	83	102422	8.210	ug/L		100
88) 4-Ethyltoluene	11.356	105	305487	6.502	ug/L		98
89) 2-Chlorotoluene	11.397	91	257147M6	7.347	ug/L		
90) 1,3,5-Trimethylbenzene	11.455	105	283174	6.806	ug/L		99
91) 1,2,3-Trichloropropane	11.463	75	81665	8.014	ug/L		97
92) trans-1,4-Dichloro-2-b...	11.521	53	18690	4.547	ug/L	#	93
93) 4-Chlorotoluene	11.587	91	266237	7.227	ug/L		98
94) tert-Butylbenzene	11.792	119	229101	6.982	ug/L		98

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A27.D
Acq On : 7 Dec 2024 10:42 pm
Operator : GONZO:MJV
Sample : WG2006732-7,31,10,10,,a1
Misc : WG2006732,ICAL21571
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 09 07:44:23 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\241207A\VG241207A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.874	105	278735	6.866	ug/L	99
98) sec-Butylbenzene	11.981	105	291500	6.159	ug/L	100
99) p-Isopropyltoluene	12.138	119	257806	6.422	ug/L	100
100) 1,3-Dichlorobenzene	12.212	146	191379	7.876	ug/L	99
101) 1,4-Dichlorobenzene	12.302	146	199936	7.922	ug/L	99
102) p-Diethylbenzene	12.508	119	140795	6.252	ug/L	97
103) n-Butylbenzene	12.566	91	185393	5.736	ug/L	99
104) 1,2-Dichlorobenzene	12.722	146	193647	8.266	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.298	119	225479	7.119	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.503	155	17888	8.606	ug/L	97
108) Hexachlorobutadiene	14.096	225	32724	6.913	ug/L	98
109) 1,2,4-Trichlorobenzene	14.129	180	99898	7.986	ug/L	98
110) Naphthalene	14.425	128	214473	8.095	ug/L	100
111) 1,2,3-Trichlorobenzene	14.589	180	86335	8.250	ug/L	98

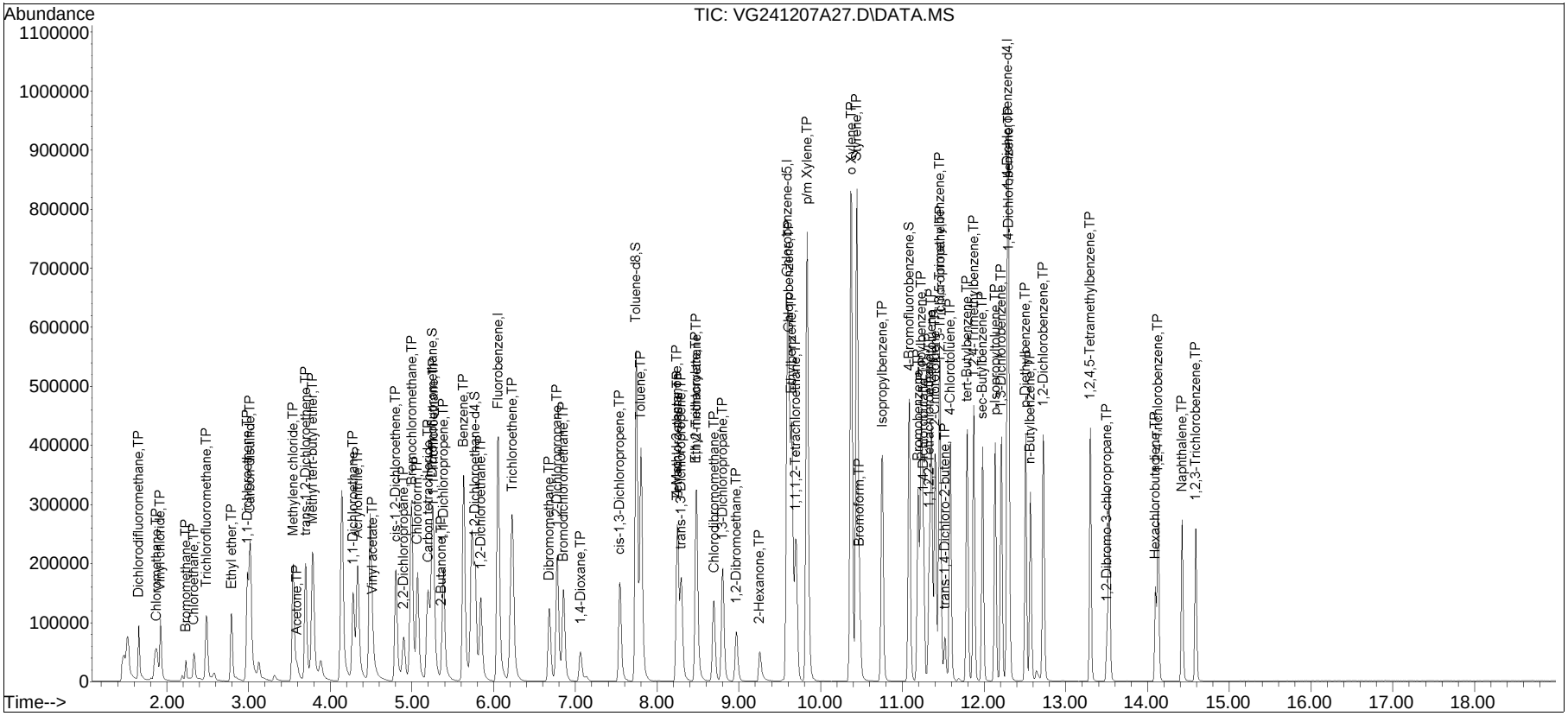
(#) = qualifier out of range (m) = manual integration (+) = signals summed

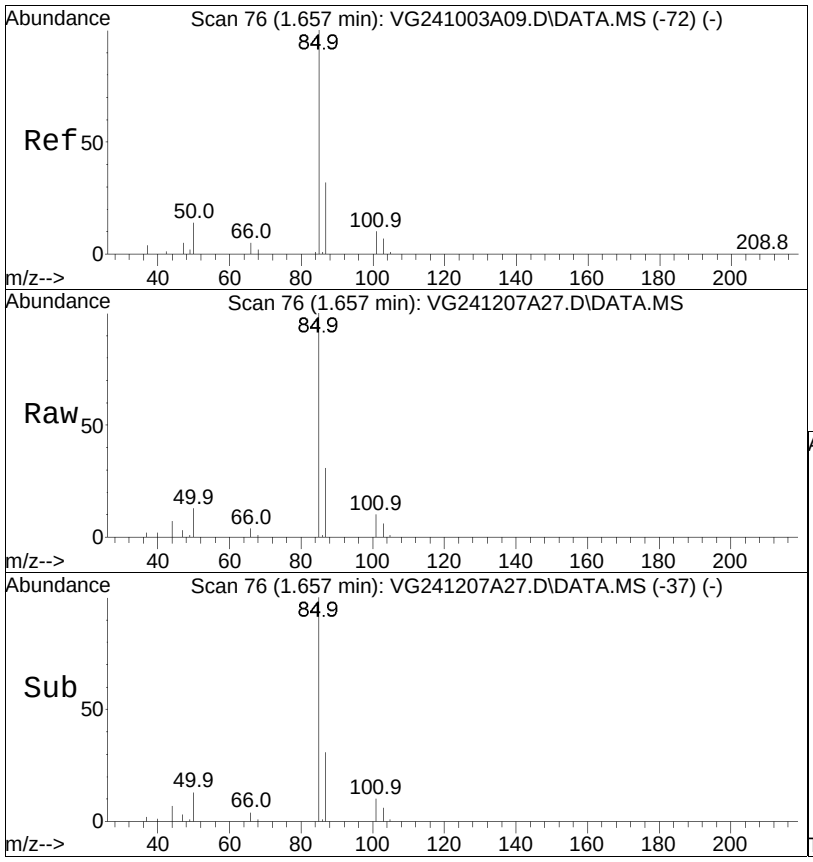
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\241207A\
Data File : VG241207A27.D
Acq On : 7 Dec 2024 10:42 pm
Operator : GONZO:MJV
Sample : WG2006732-7,31,10,10,,a1
Misc : WG2006732,ICAL21571
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 09 07:44:23 2024
Quant Method : K:\Gonzo\2024\241207A\G_241003A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Oct 04 09:30:18 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox1207A02.D•

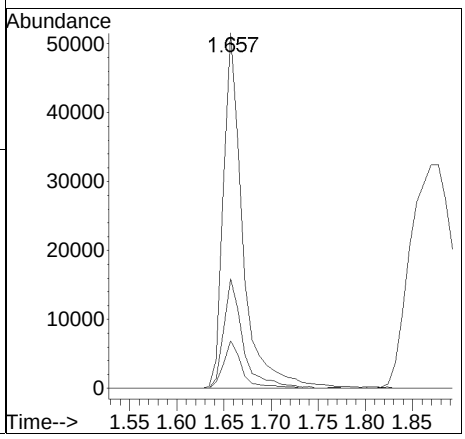


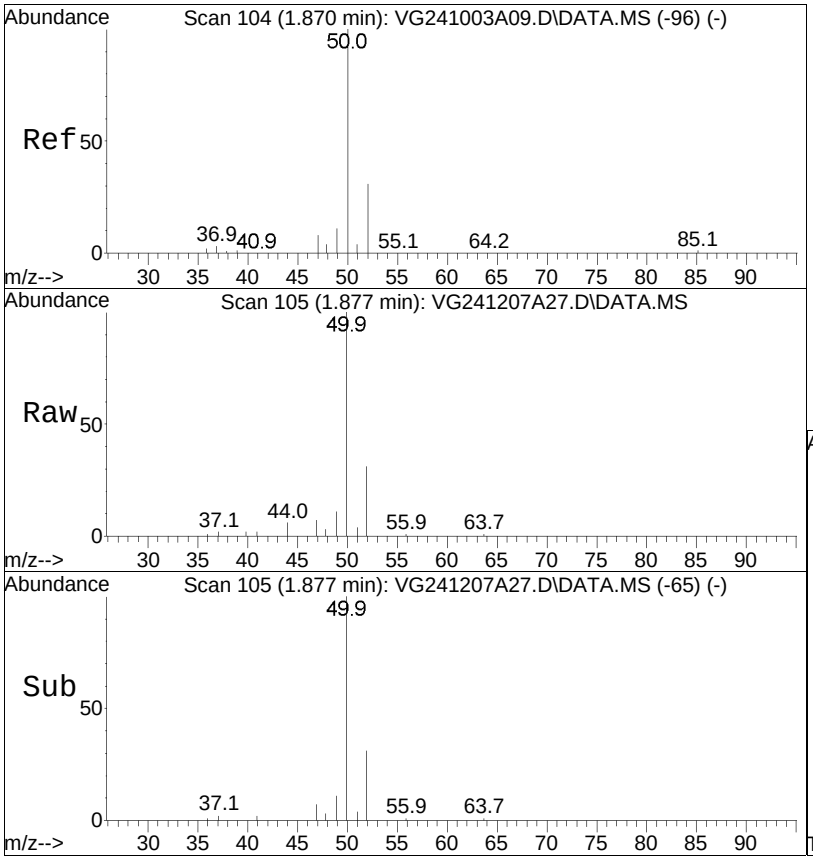


#2
Dichlorodifluoromethane
Concen: 7.29 ug/L
RT: 1.657 min Scan# 76
Delta R.T. -0.000 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 85 Resp: 74896

Ion	Ratio	Lower	Upper
85	100		
87	30.7	20.7	42.9
50	12.7	7.5	15.5

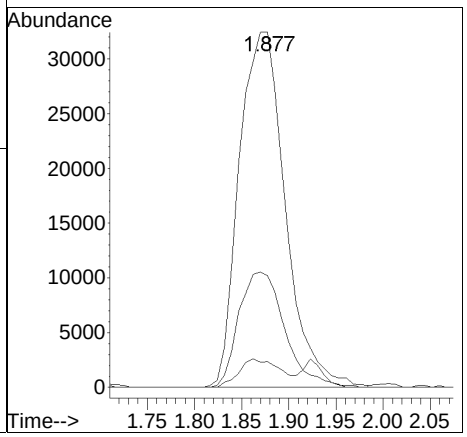


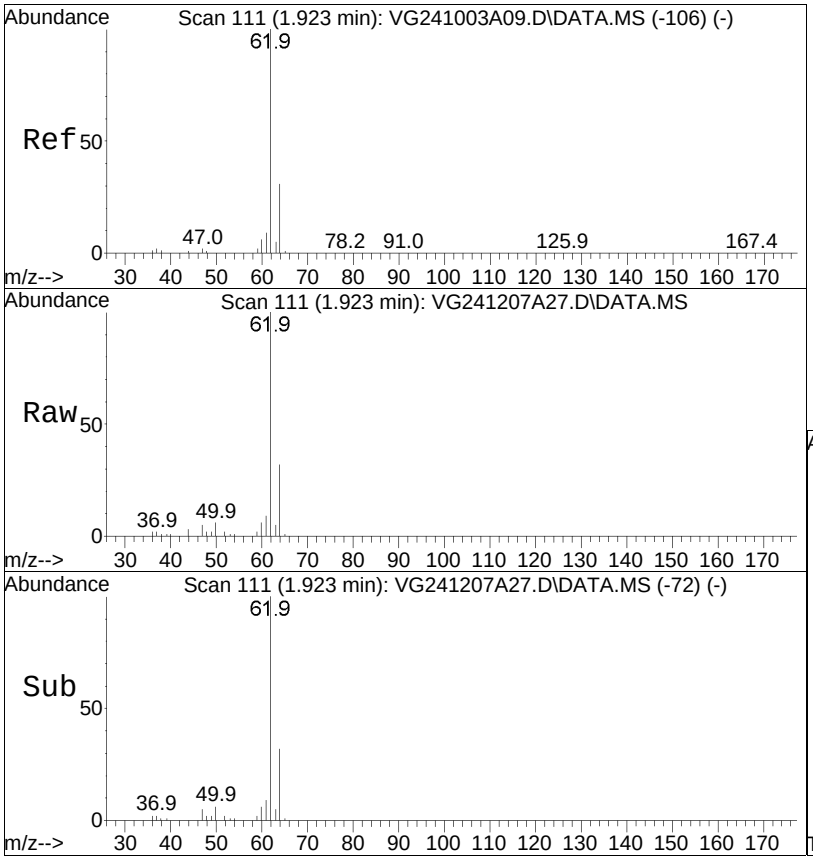


#3
Chloromethane
Concen: 9.93 ug/L
RT: 1.877 min Scan# 105
Delta R.T. 0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 50 Resp: 110549

Ion	Ratio	Lower	Upper
50	100		
52	32.2	11.7	51.7
47	7.4	0.0	28.0

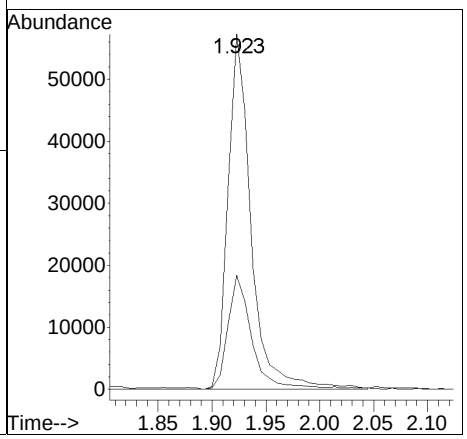


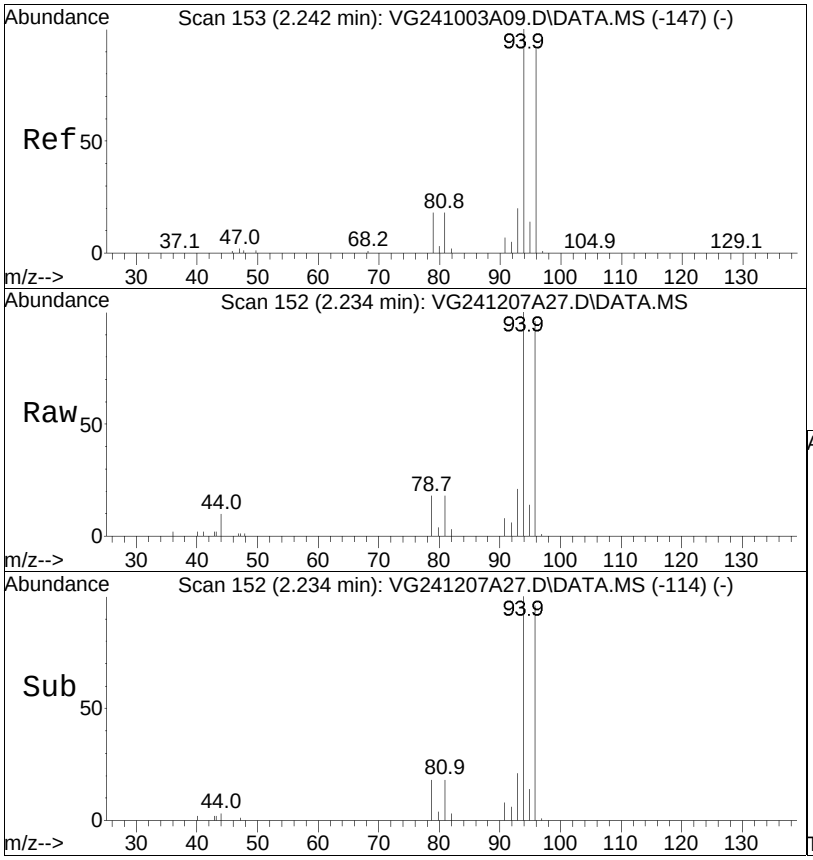


#4
Vinyl chloride
Concen: 7.74 ug/L
RT: 1.923 min Scan# 111
Delta R.T. -0.000 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 62 Resp: 85936

Ion	Ratio	Lower	Upper
62	100		
64	33.8	11.3	51.3

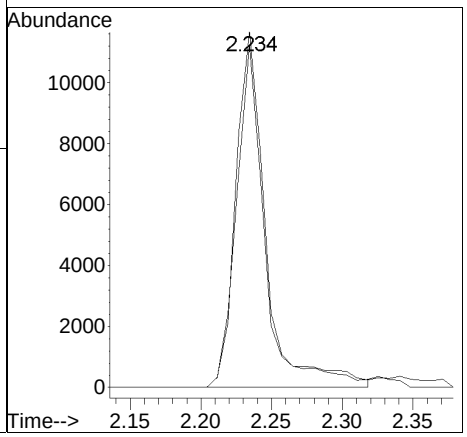


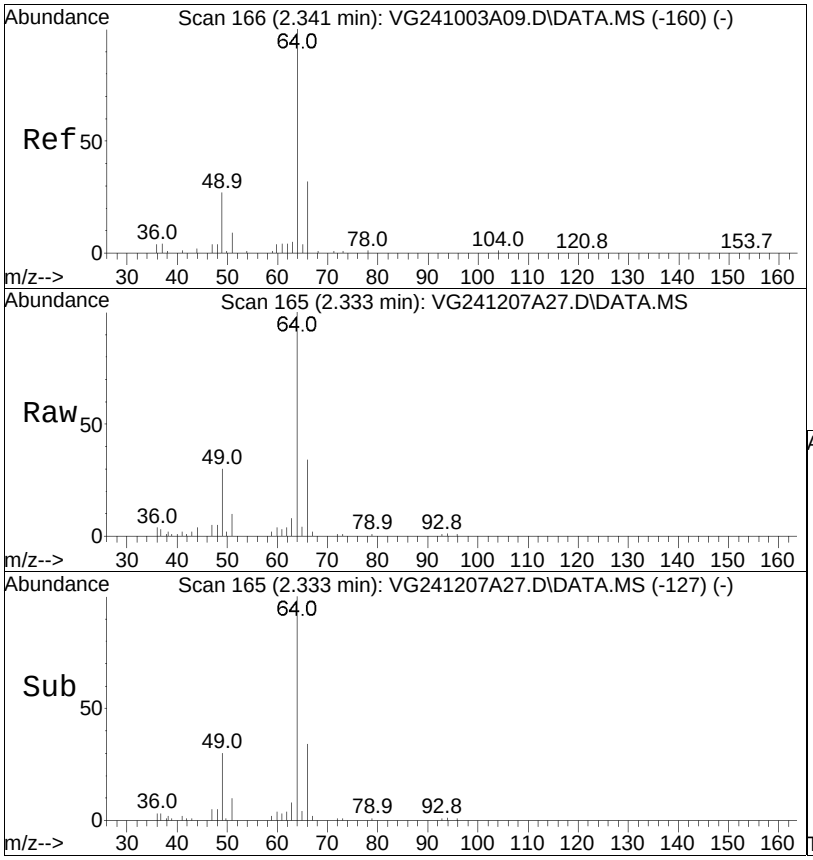


#5
Bromomethane
Concen: 2.71 ug/L
RT: 2.234 min Scan# 152
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 94 Resp: 17361

Ion	Ratio	Lower	Upper
94	100		
96	91.8	75.2	115.2

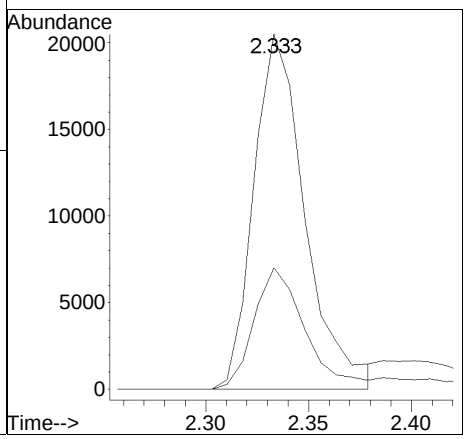


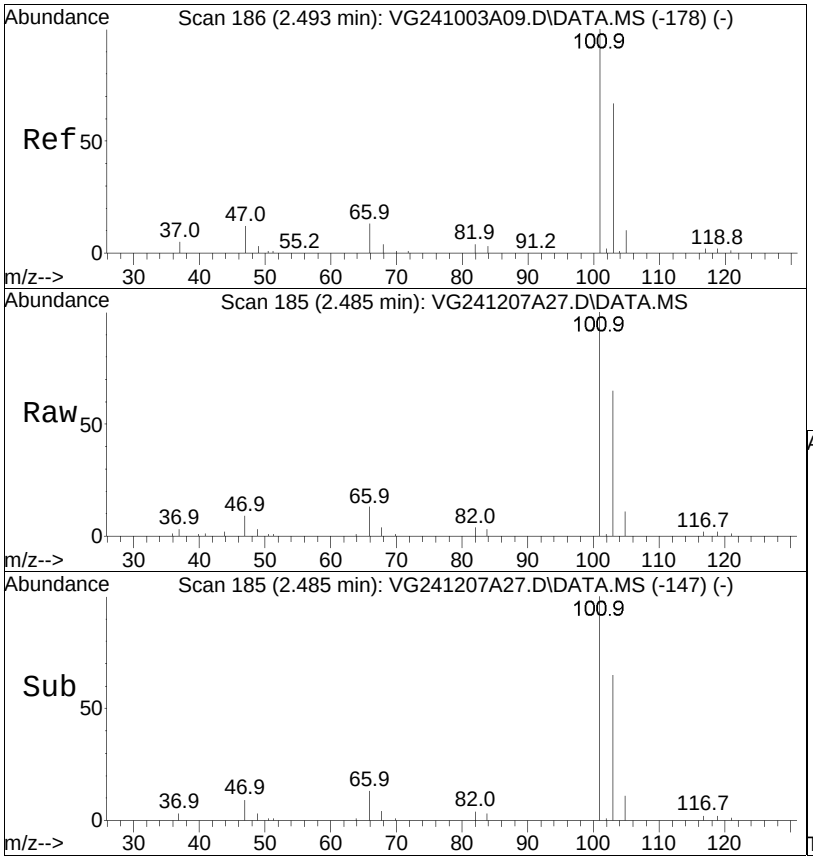


#6
Chloroethane
Concen: 5.56 ug/L
RT: 2.333 min Scan# 165
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 64 Resp: 35509

Ion	Ratio	Lower	Upper
64	100		
66	34.2	13.7	53.7

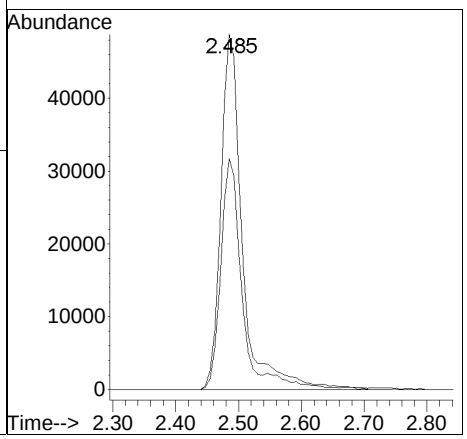


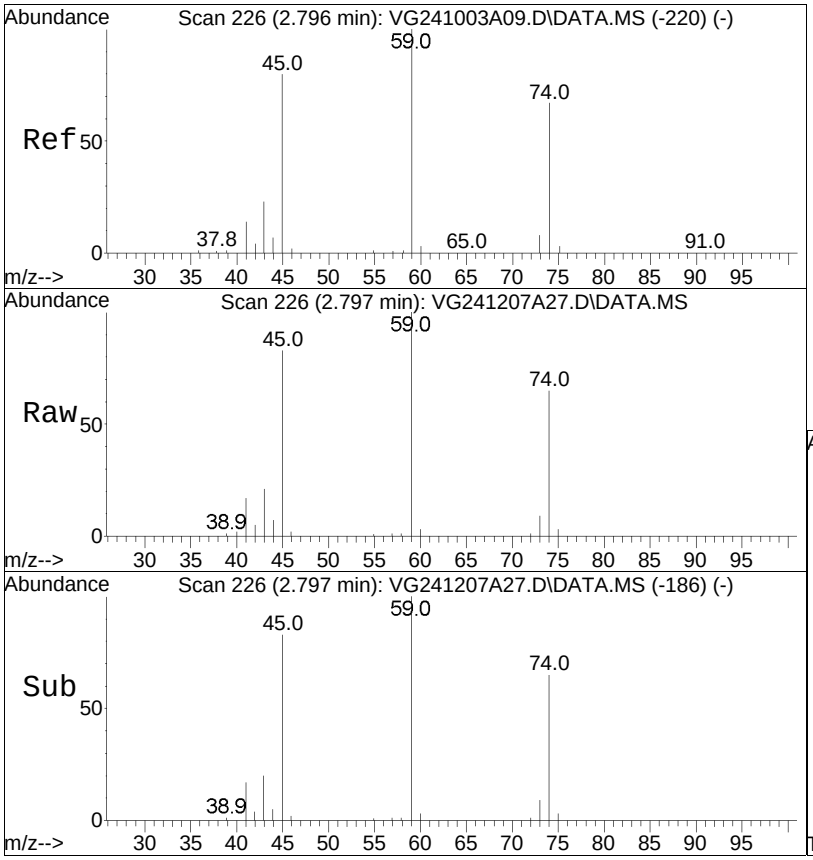


#7
Trichlorofluoromethane
Concen: 7.88 ug/L
RT: 2.485 min Scan# 185
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:101 Resp: 116611

Ion	Ratio	Lower	Upper
101	100		
103	58.6	52.2	78.2

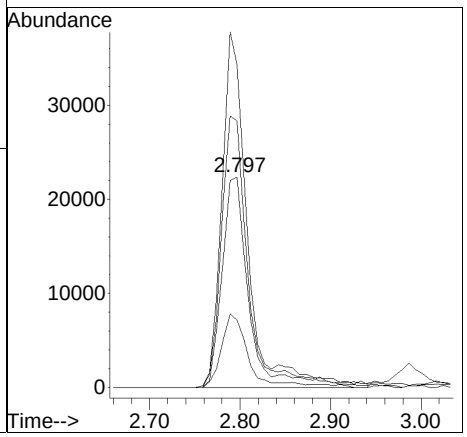


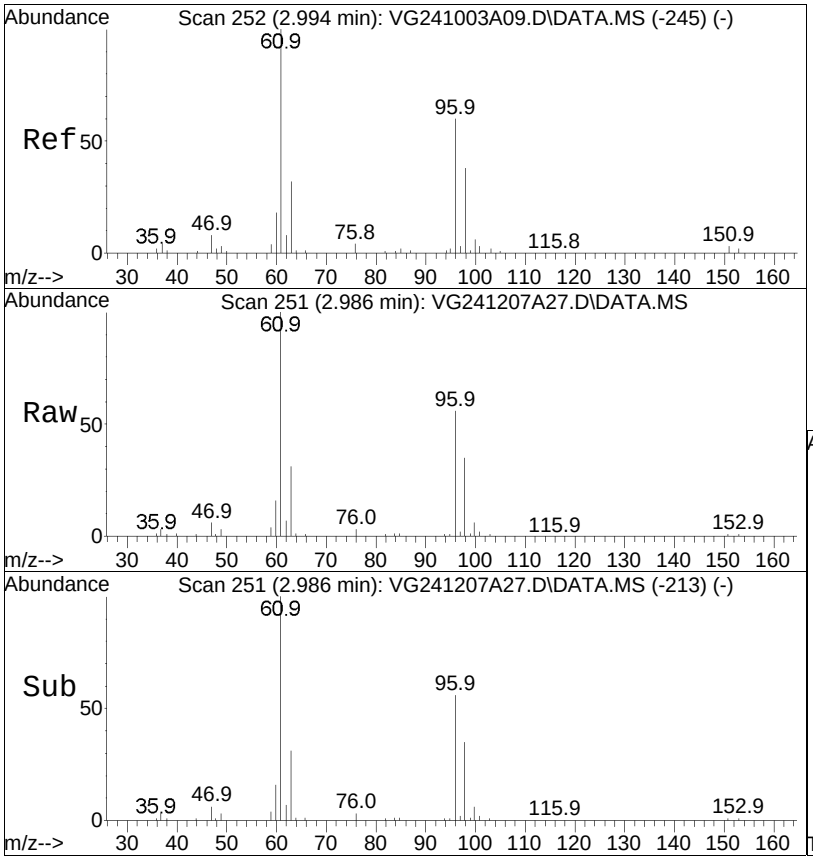


#8
Ethyl ether
Concen: 8.66 ug/L
RT: 2.797 min Scan# 226
Delta R.T. 0.001 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 74 Resp: 46624

Ion	Ratio	Lower	Upper
74	100		
59	145.6	83.5	173.3
45	127.3	59.7	123.9#
43	32.0	17.6	36.6

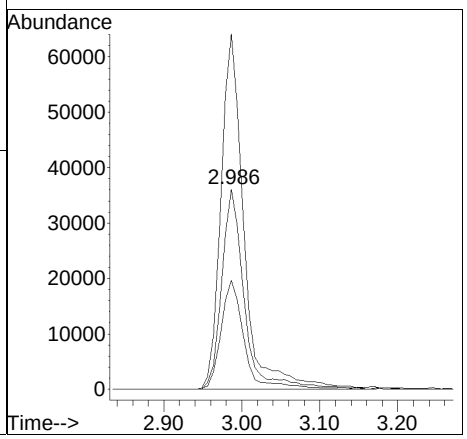


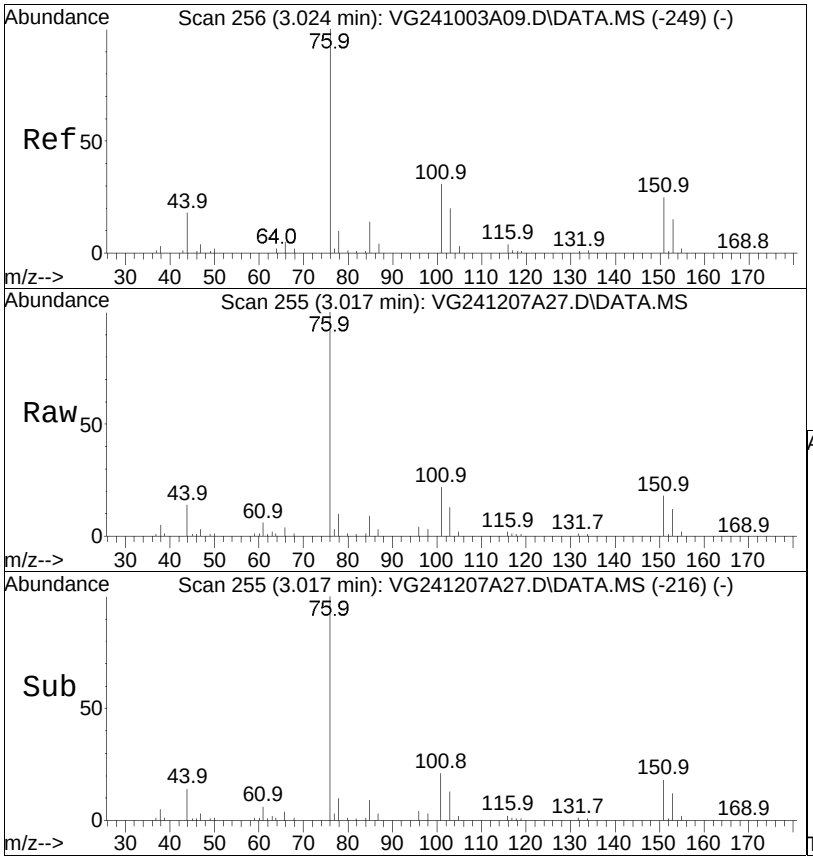


#10
1,1-Dichloroethene
Concen: 8.64 ug/L
RT: 2.986 min Scan# 251
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 96 Resp: 73674

Ion	Ratio	Lower	Upper
96	100		
61	180.3	124.2	186.4
63	55.6	40.0	60.0

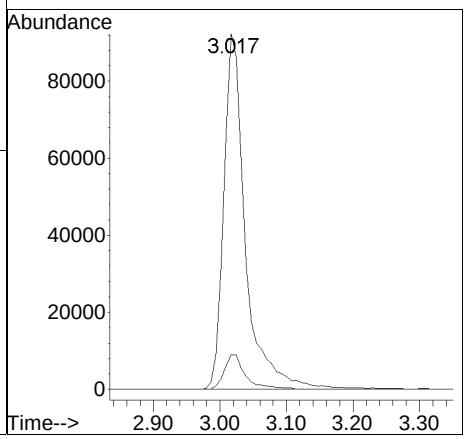


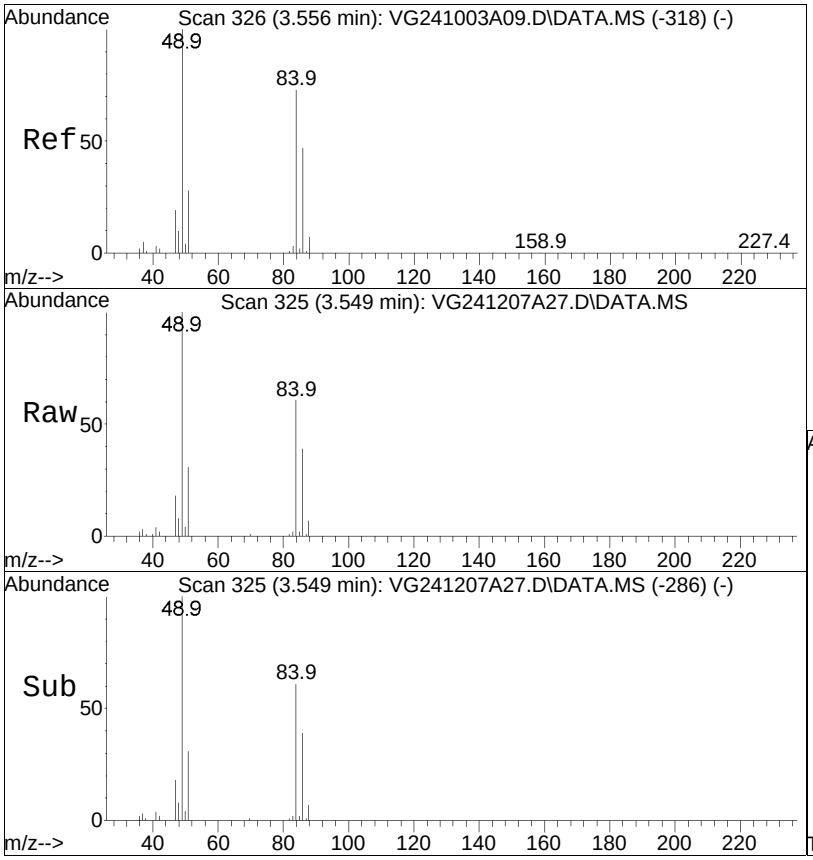


#11
Carbon disulfide
Concen: 8.10 ug/L
RT: 3.017 min Scan# 255
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 76 Resp: 209779

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.6	13.6

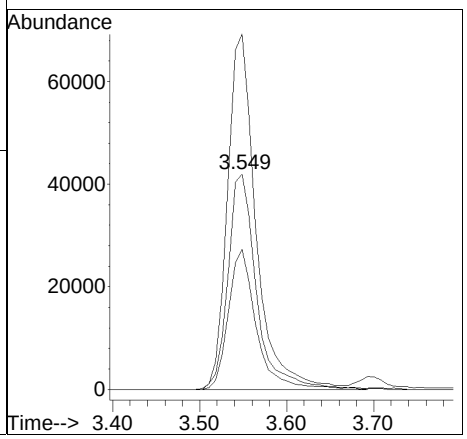


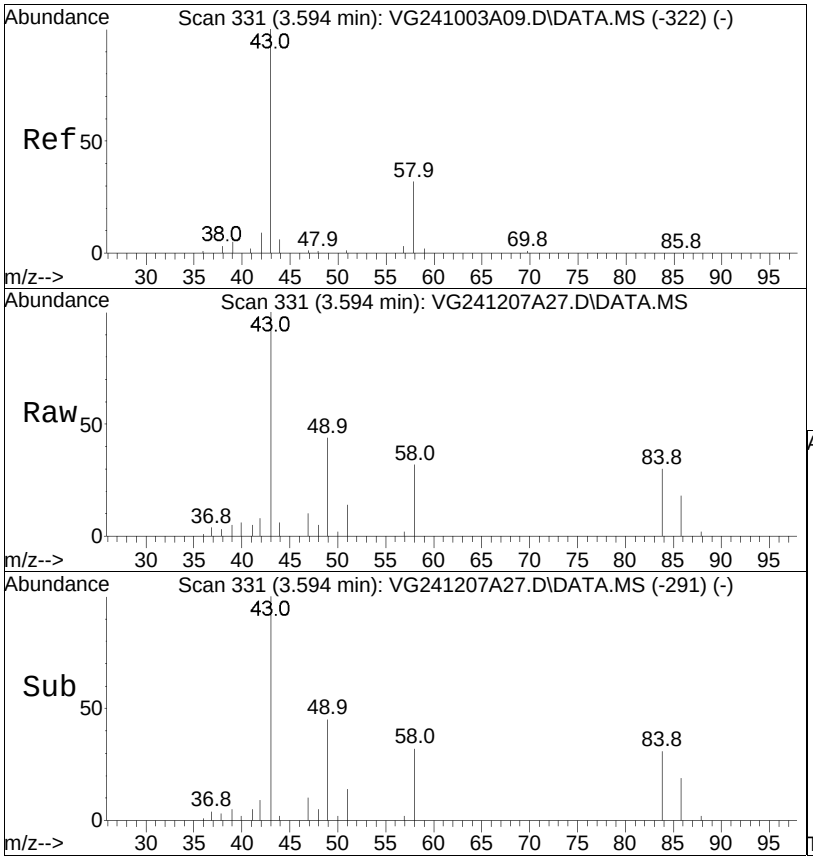


#15
Methylene chloride
Concen: 9.37 ug/L
RT: 3.549 min Scan# 325
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 84 Resp: 96022

Ion	Ratio	Lower	Upper
84	100		
86	63.6	41.1	85.5
49	164.8	76.2	158.2#

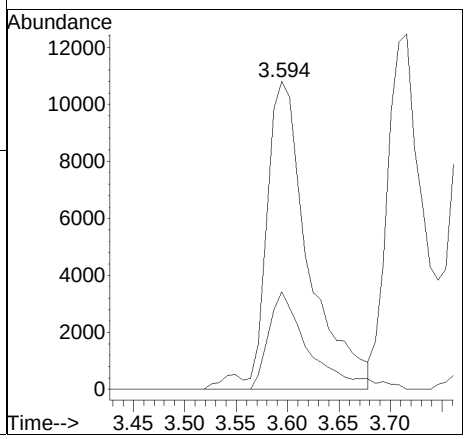


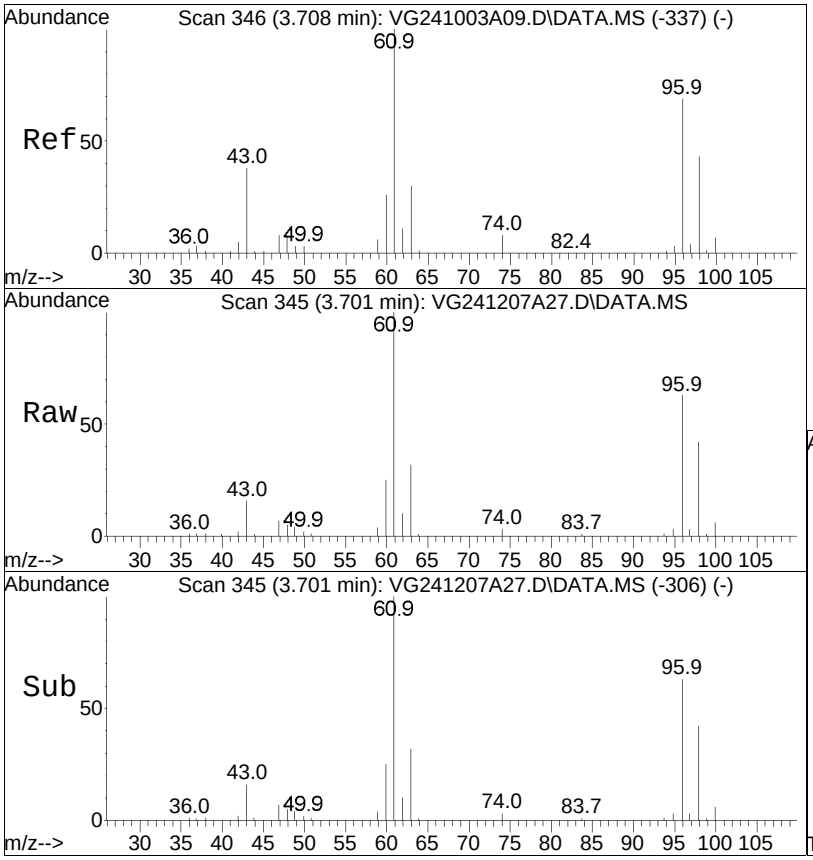


#17
Acetone
Concen: 11.67 ug/L
RT: 3.594 min Scan# 331
Delta R.T. 0.000 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 43 Resp: 30924

Ion	Ratio	Lower	Upper
43	100		
58	30.8	22.2	33.4

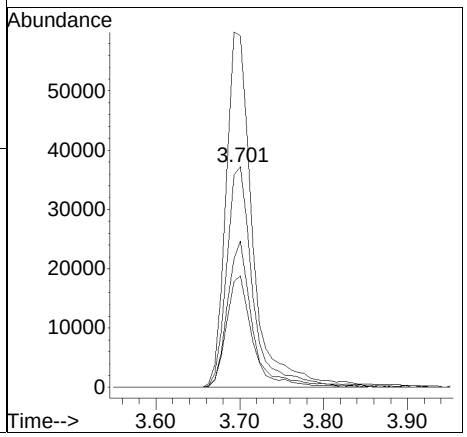


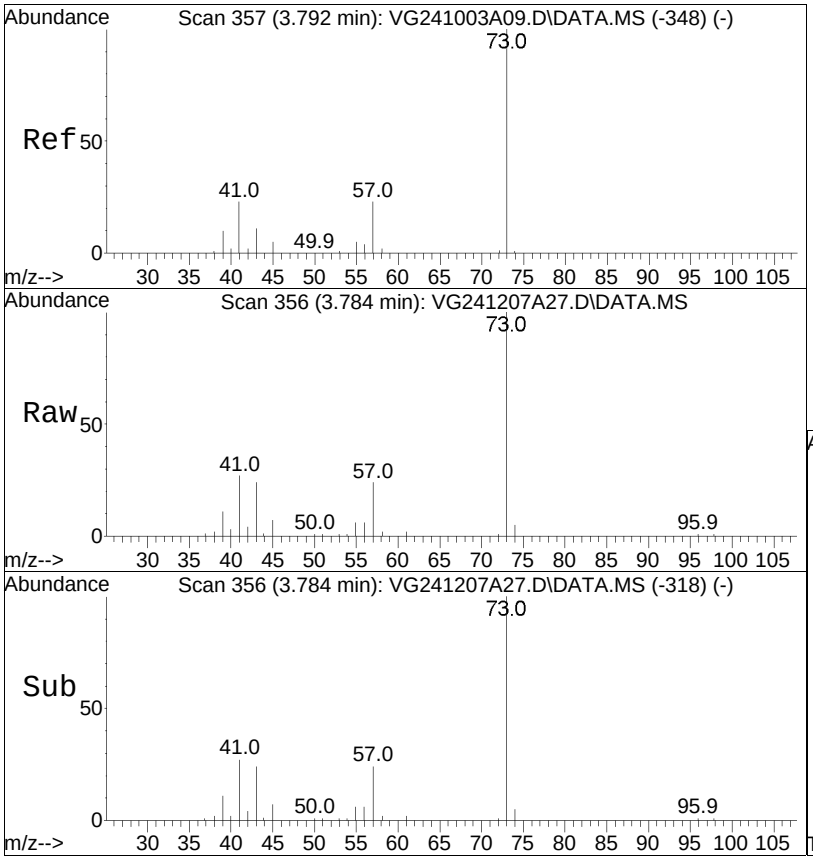


#18
trans-1,2-Dichloroethene
Concen: 8.96 ug/L
RT: 3.701 min Scan# 345
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 96 Resp: 82793

Ion	Ratio	Lower	Upper
96	100		
61	162.4	85.7	178.1
98	62.8	40.2	83.4
63	49.7	28.0	58.2

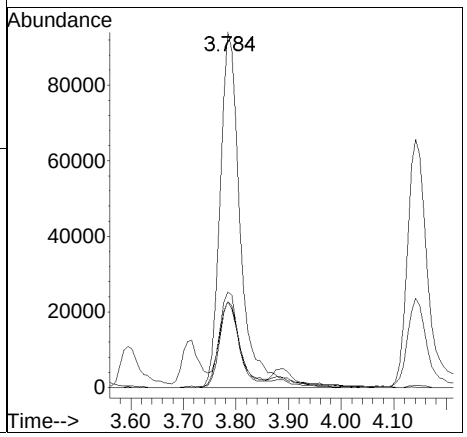


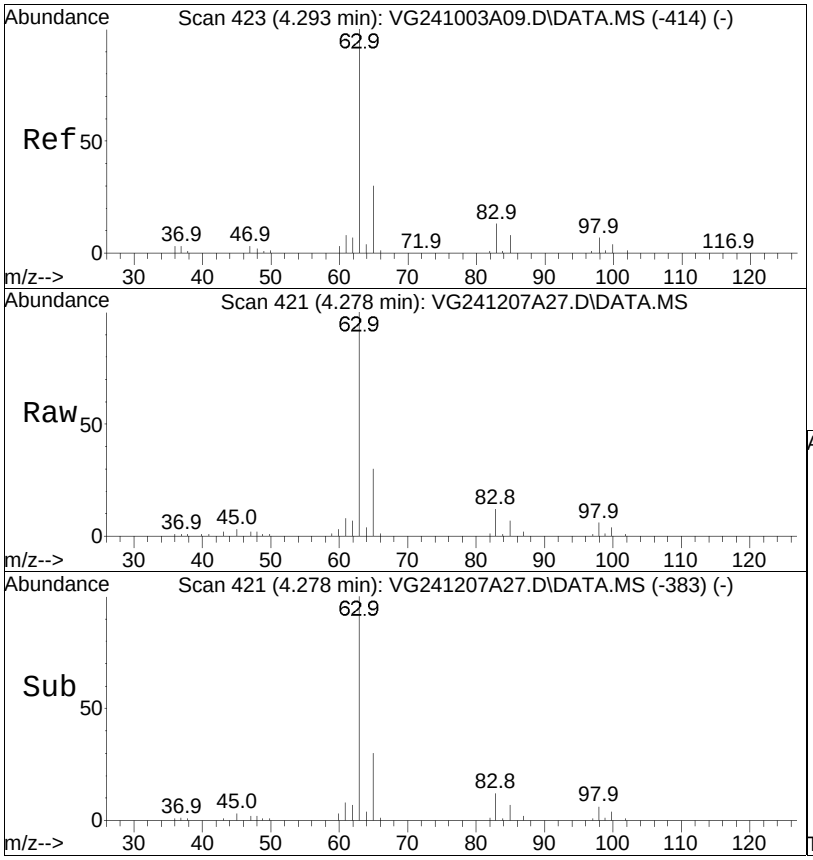


#20
Methyl tert-butyl ether
Concen: 8.20 ug/L
RT: 3.784 min Scan# 356
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 73 Resp: 256409

Ion	Ratio	Lower	Upper
73	100		
57	23.5	12.5	26.1
43	24.0	13.0	27.0
41	25.6	12.5	26.1

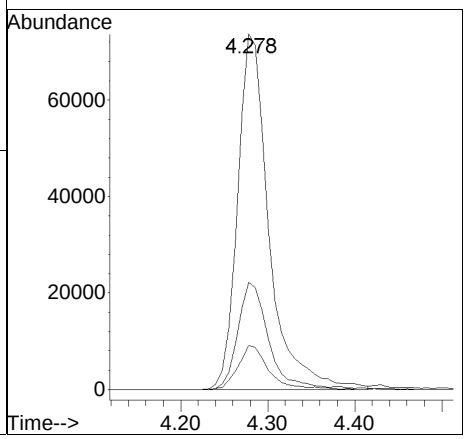


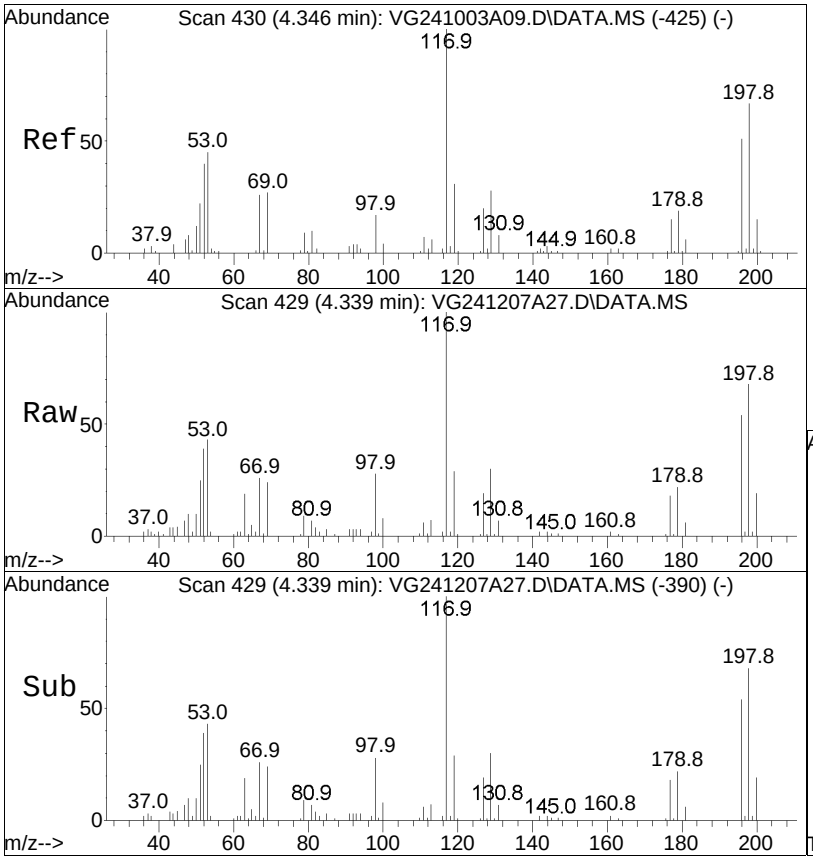


#23
1,1-Dichloroethane
Concen: 10.35 ug/L
RT: 4.278 min Scan# 421
Delta R.T. -0.015 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 63 Resp: 185239

Ion	Ratio	Lower	Upper
63	100		
65	29.9	10.4	50.4
83	12.1	0.0	33.2

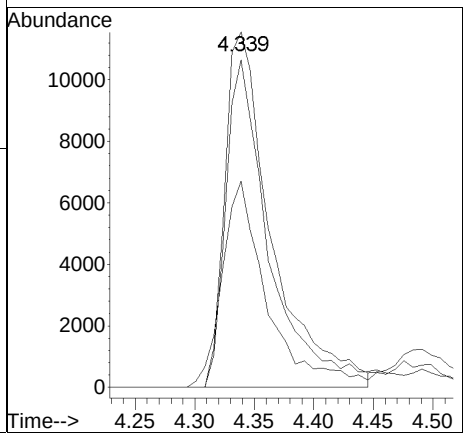


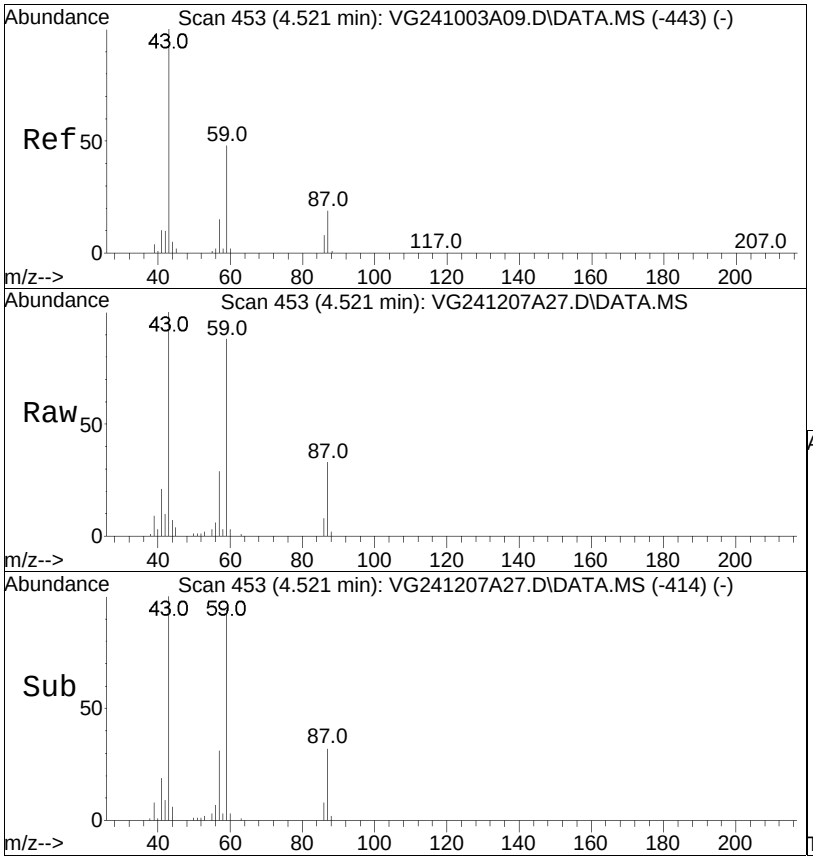


#25
Acrylonitrile
Concen: 9.57 ug/L
RT: 4.339 min Scan# 429
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 53 Resp: 31640

Ion	Ratio	Lower	Upper
53	100		
52	88.4	68.3	102.5
51	56.0	51.9	77.9

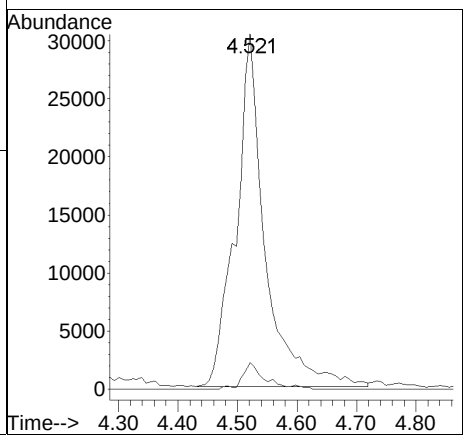


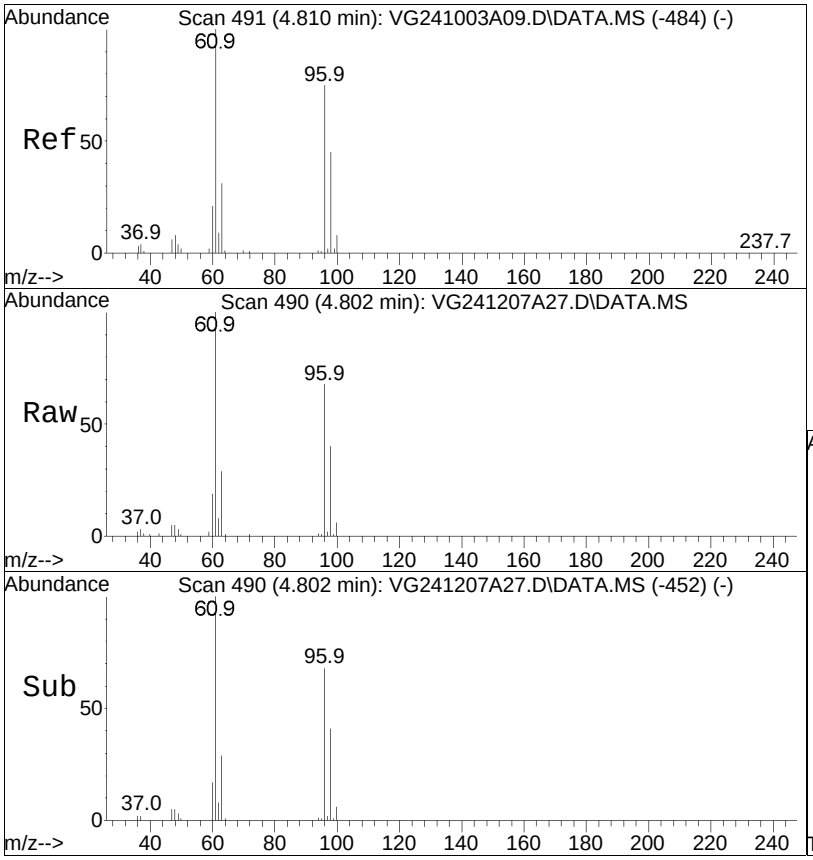


#27
Vinyl acetate
Concen: 4.15 ug/L
RT: 4.521 min Scan# 453
Delta R.T. 0.000 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 43 Resp: 104046

Ion	Ratio	Lower	Upper
43	100		
86	5.4	6.3	9.5#

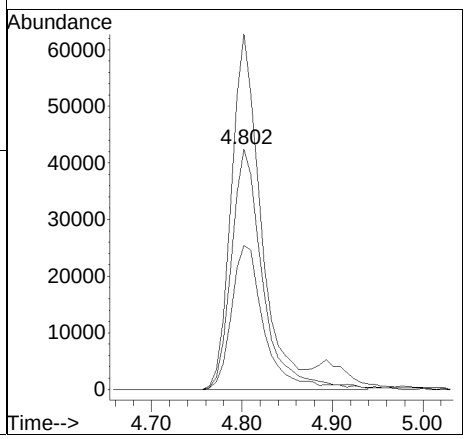


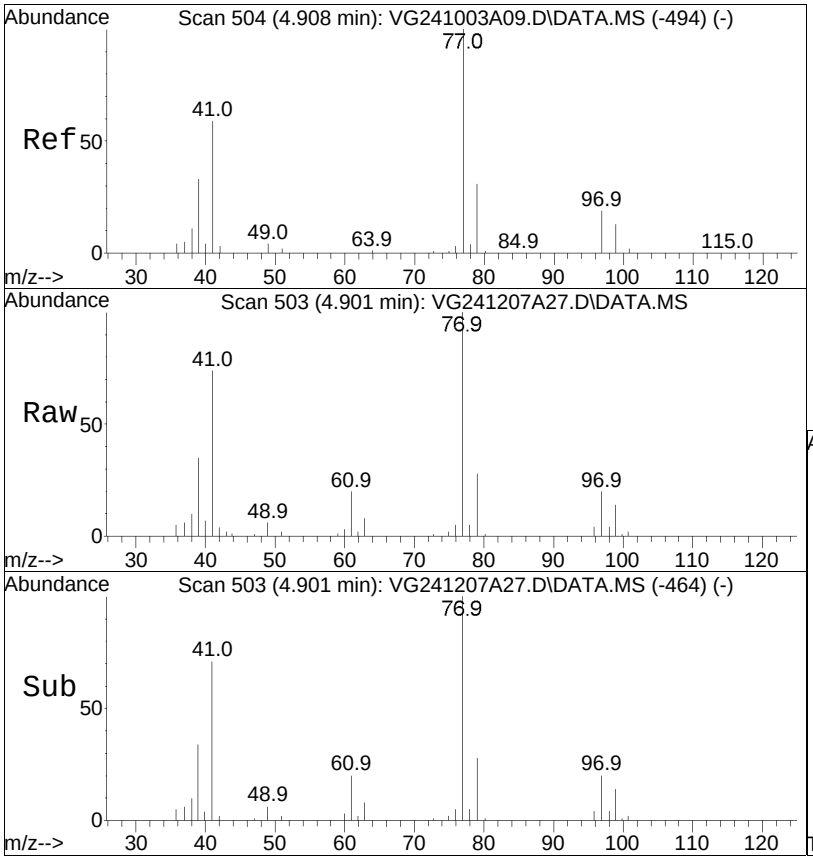


#28
cis-1,2-Dichloroethene
Concen: 9.55 ug/L
RT: 4.802 min Scan# 490
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 96 Resp: 102215

Ion	Ratio	Lower	Upper
96	100		
61	138.8	96.6	144.8
98	63.1	51.3	76.9

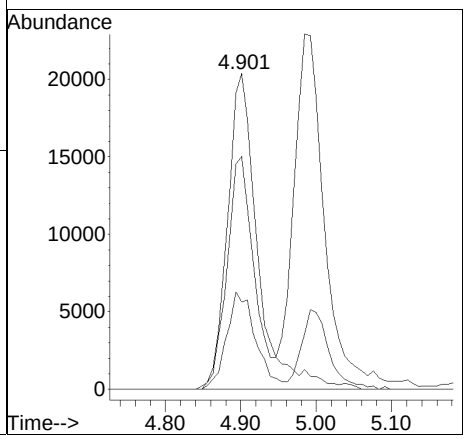


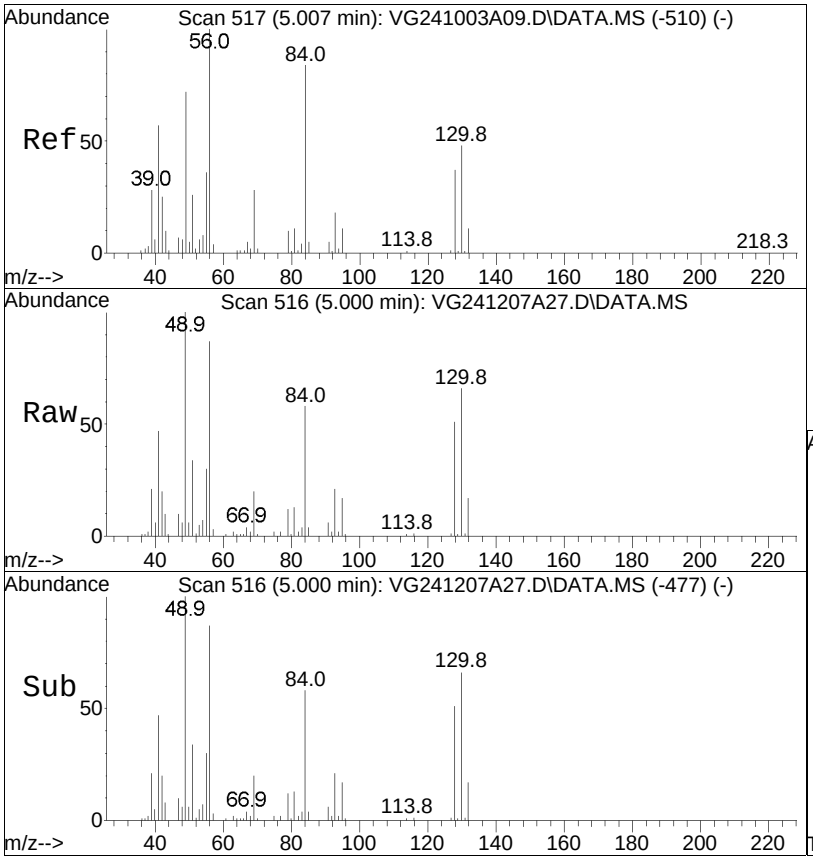


#29
2,2-Dichloropropane
Concen: 4.78 ug/L
RT: 4.901 min Scan# 503
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 77 Resp: 56881

Ion	Ratio	Lower	Upper
77	100		
41	66.8	38.1	79.1
79	30.2	20.6	42.8

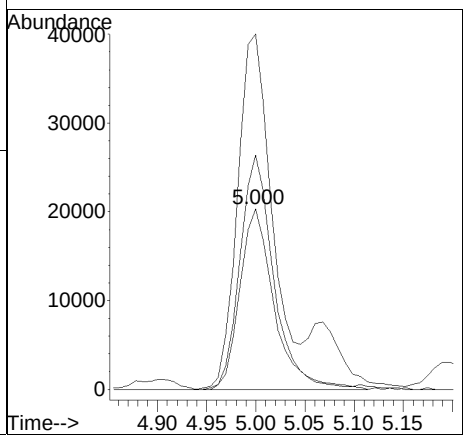


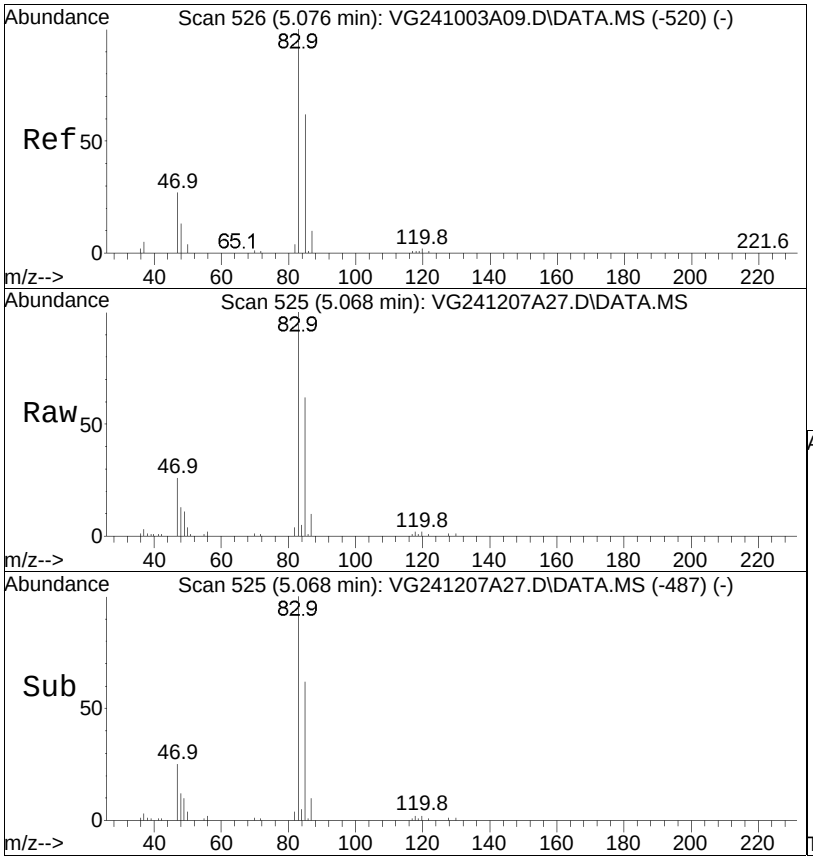


#30
Bromochloromethane
Concen: 10.14 ug/L
RT: 5.000 min Scan# 516
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:128 Resp: 49353

Ion	Ratio	Lower	Upper
128	100		
49	197.3	112.7	169.1#
130	127.7	103.3	154.9

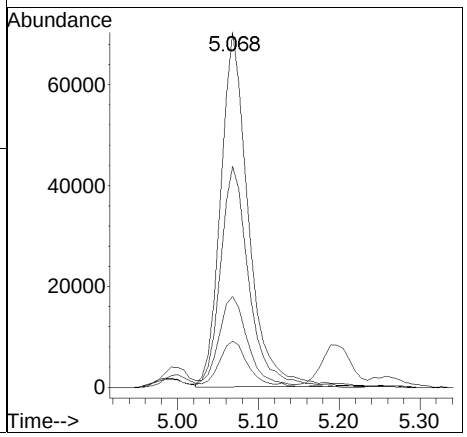


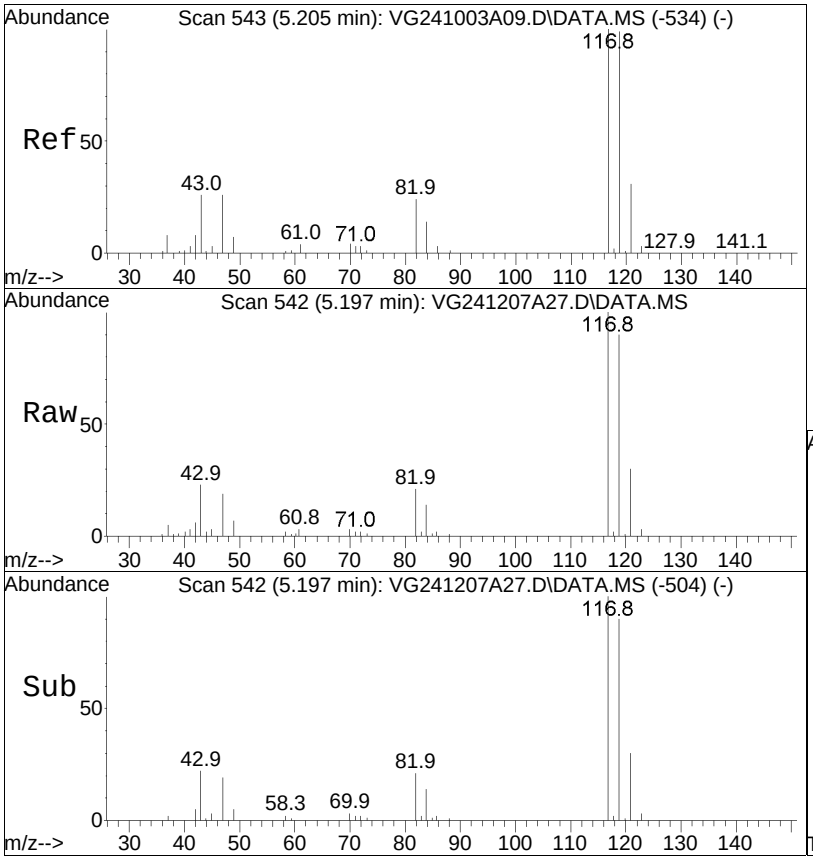


#32
Chloroform
Concen: 9.70 ug/L
RT: 5.068 min Scan# 525
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 83 Resp: 168093

Ion	Ratio	Lower	Upper
83	100		
85	65.3	41.4	86.0
47	26.9	15.1	31.3
48	13.8	7.7	16.1

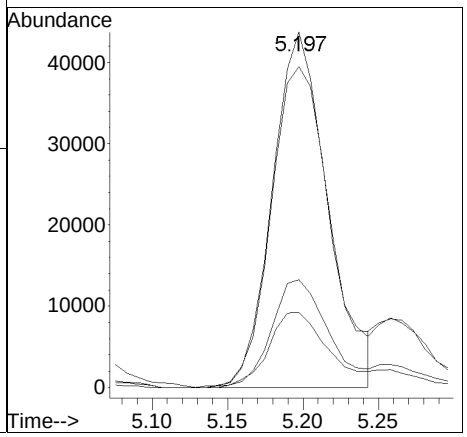


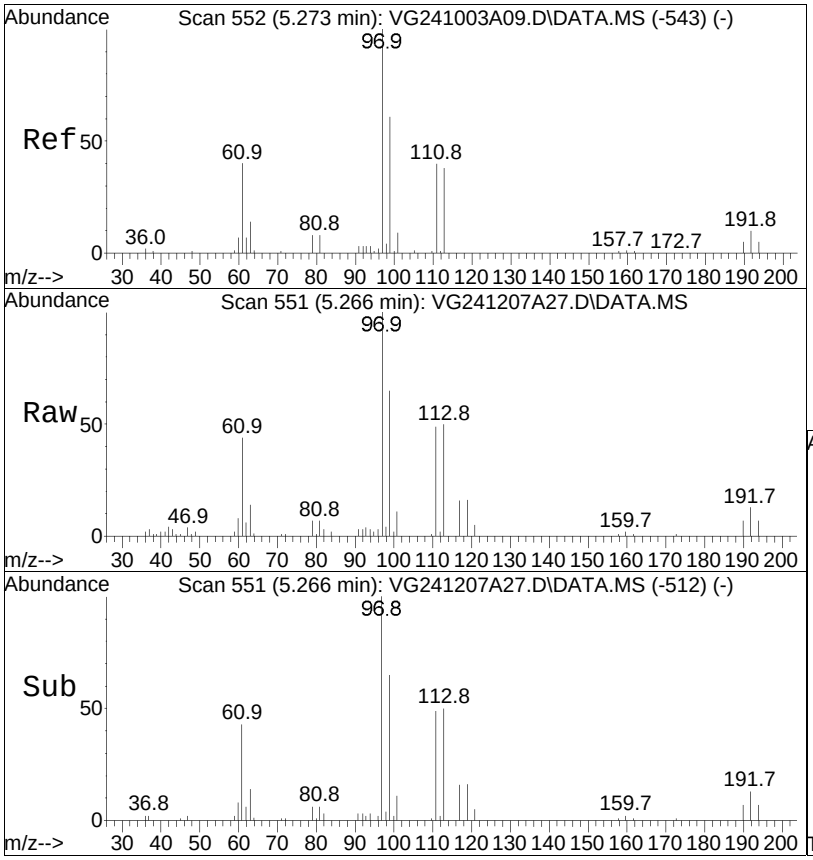


#34
Carbon tetrachloride
Concen: 8.49 ug/L
RT: 5.197 min Scan# 542
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:117 Resp: 112107

Ion	Ratio	Lower	Upper
117	100		
119	95.9	63.2	131.2
121	31.1	20.4	42.4
82	23.0	15.4	32.0

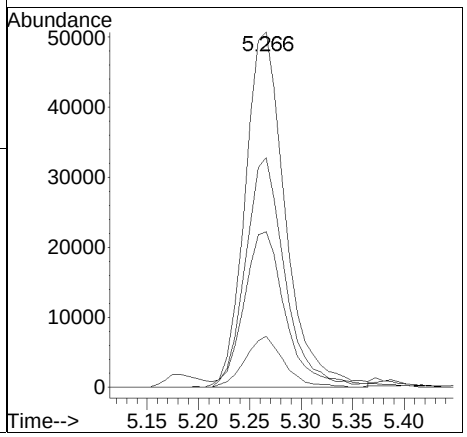


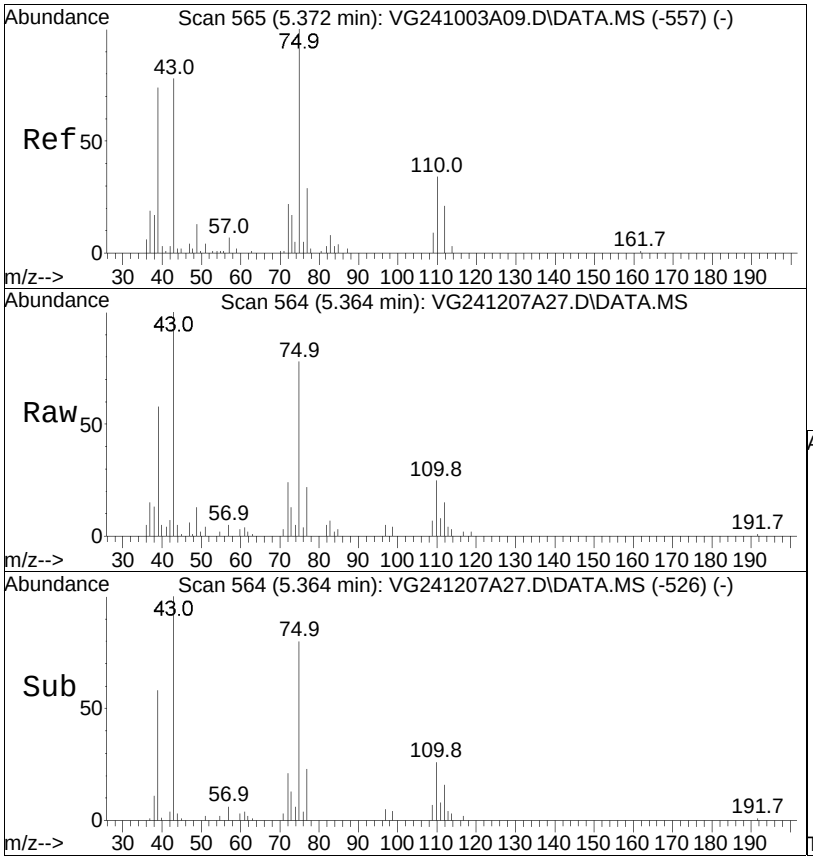


#37
1,1,1-Trichloroethane
Concen: 9.06 ug/L
RT: 5.266 min Scan# 551
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 97 Resp: 138442

Ion	Ratio	Lower	Upper
97	100		
99	64.3	41.3	85.7
61	45.0	26.0	54.0
63	14.0	8.6	18.0

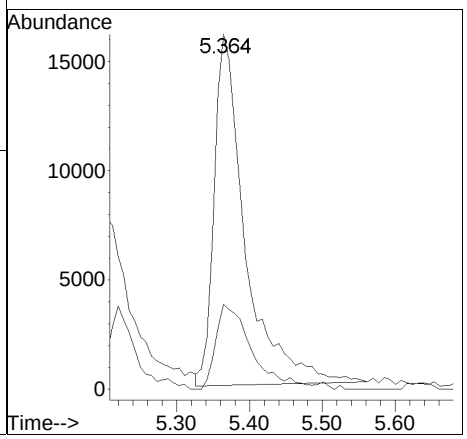


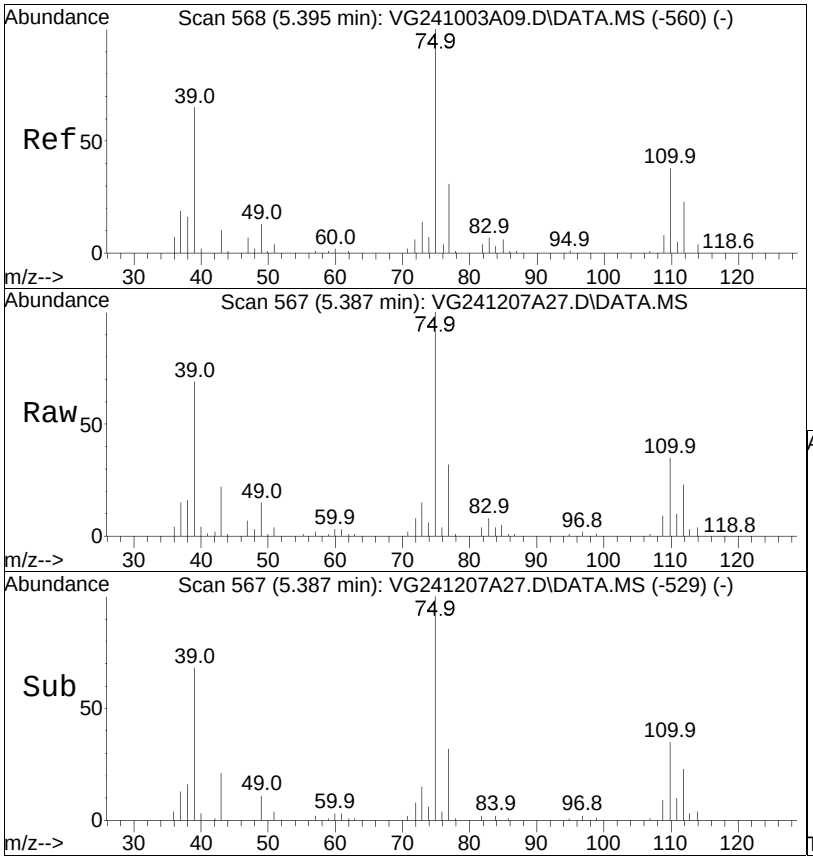


#39
2-Butanone
Concen: 11.78 ug/L
RT: 5.364 min Scan# 564
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 43 Resp: 47604

Ion	Ratio	Lower	Upper
43	100		
72	28.2	42.6	63.8#

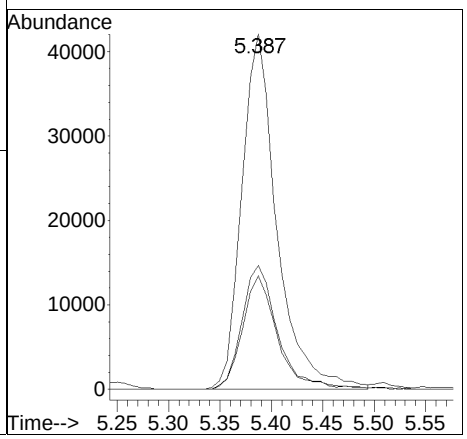


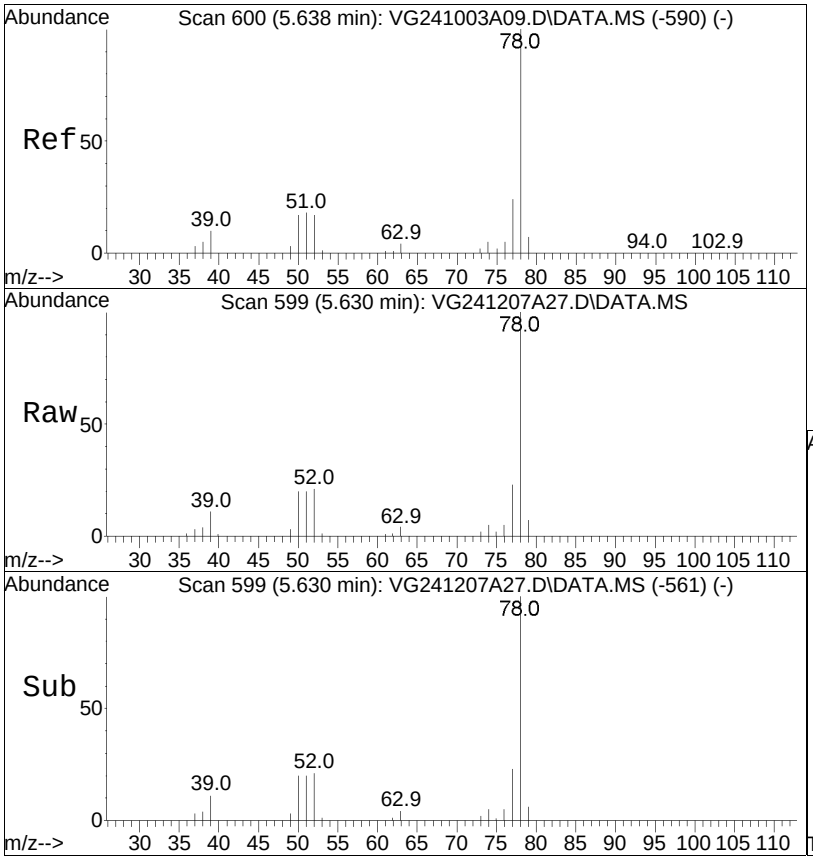


#40
1,1-Dichloropropene
Concen: 7.84 ug/L
RT: 5.387 min Scan# 567
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 75 Resp: 100521

Ion	Ratio	Lower	Upper
75	100		
110	35.9	24.1	50.1
77	32.2	19.8	41.0

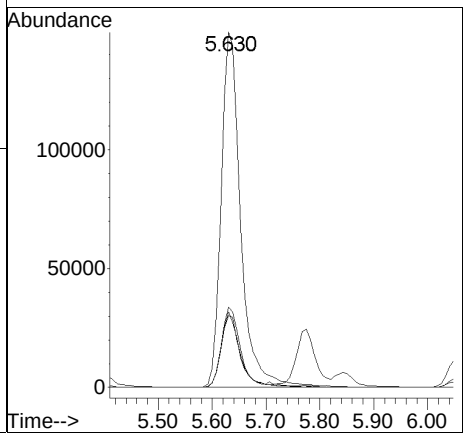


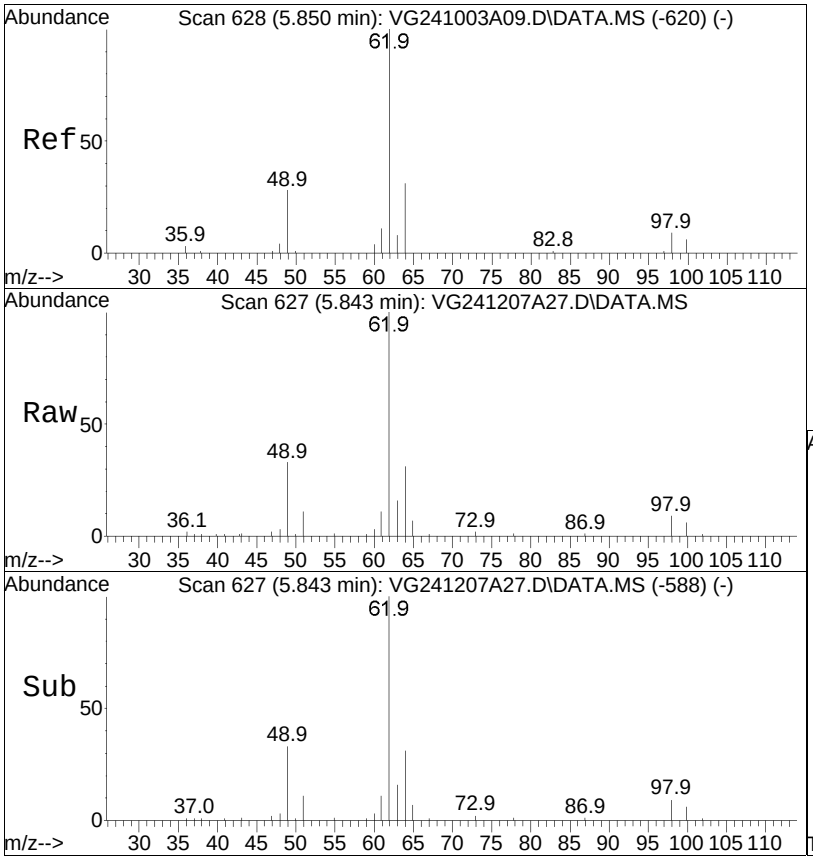


#41
Benzene
Concen: 9.50 ug/L
RT: 5.630 min Scan# 599
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 78 Resp: 378989

Ion	Ratio	Lower	Upper
78	100		
77	22.4	15.5	32.1
51	19.6	9.9	20.7
52	20.3	9.2	19.2#

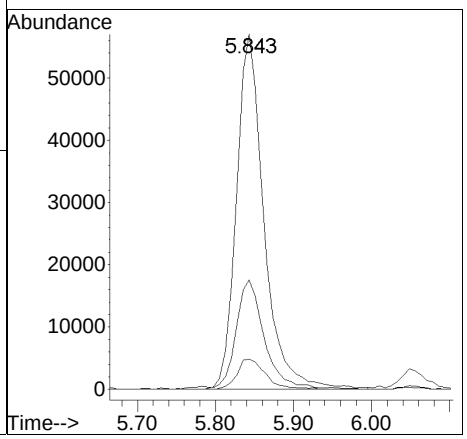


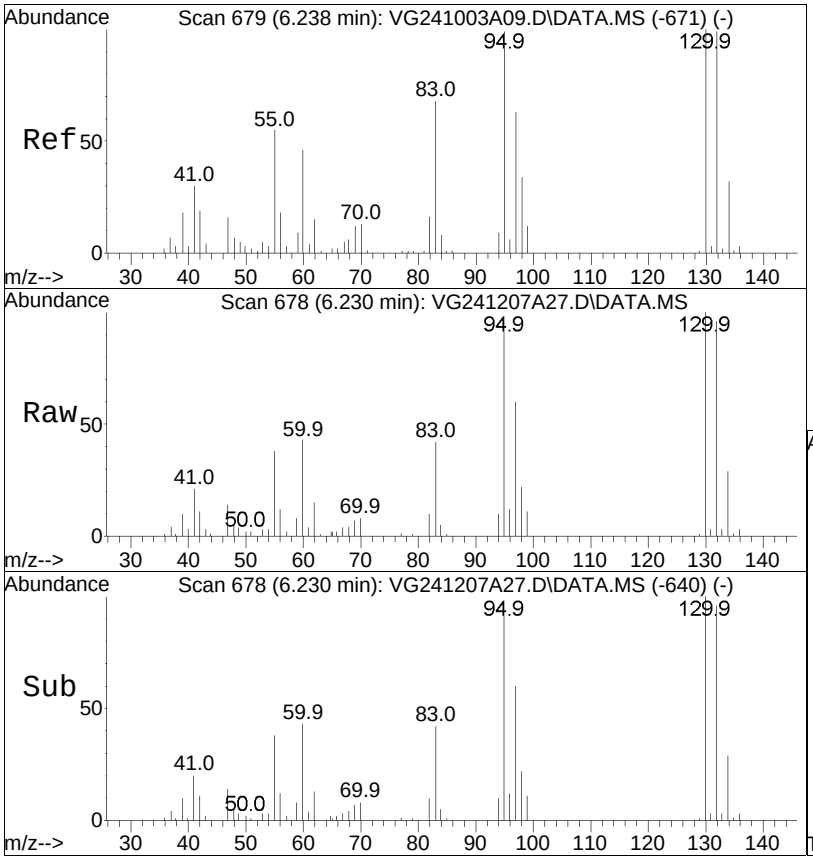


#44
1,2-Dichloroethane
Concen: 10.40 ug/L
RT: 5.843 min Scan# 627
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 62 Resp: 140447

Ion	Ratio	Lower	Upper
62	100		
64	32.5	11.9	51.9
98	8.9	0.0	29.3

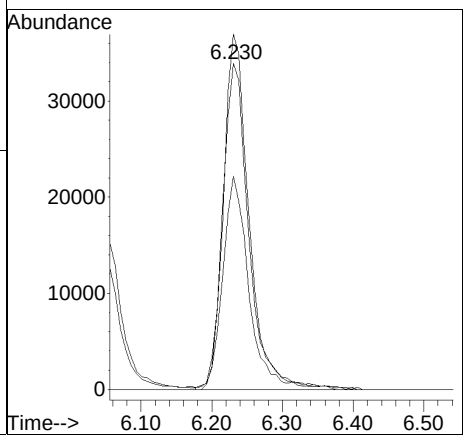


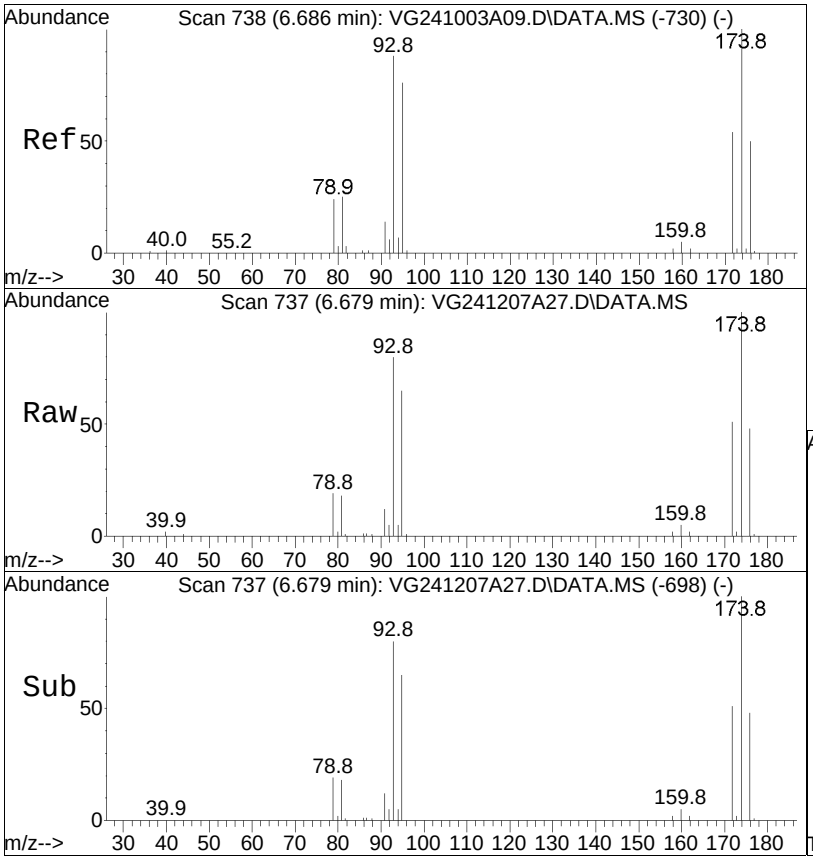


#48
Trichloroethene
Concen: 8.21 ug/L
RT: 6.230 min Scan# 678
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 95 Resp: 87901

Ion	Ratio	Lower	Upper
95	100		
97	65.1	54.0	81.0
130	106.1	85.0	127.4

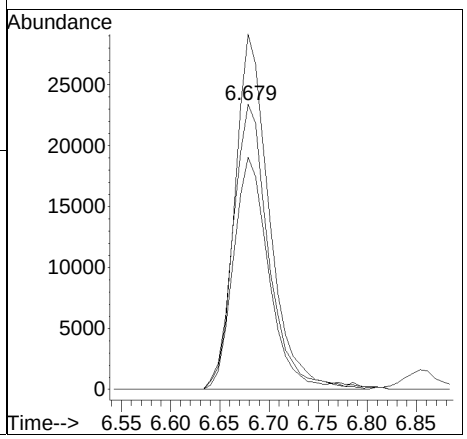


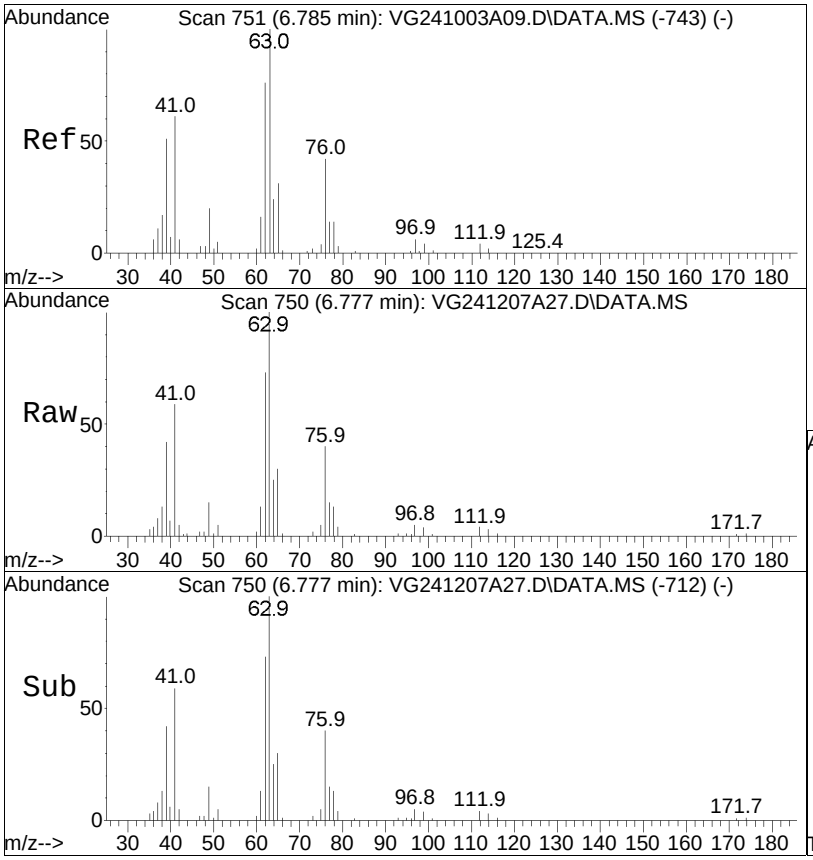


#50
Dibromomethane
Concen: 9.64 ug/L
RT: 6.679 min Scan# 737
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 93 Resp: 58737

Ion	Ratio	Lower	Upper
93	100		
95	80.5	66.6	100.0
174	120.4	90.5	135.7

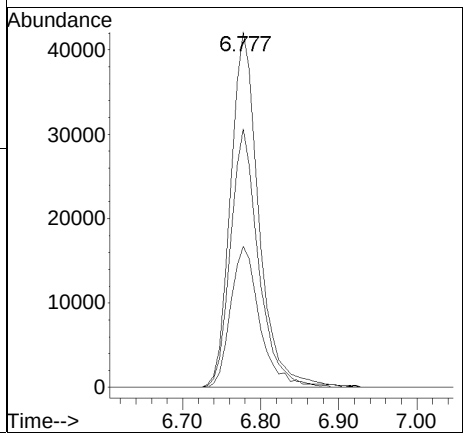


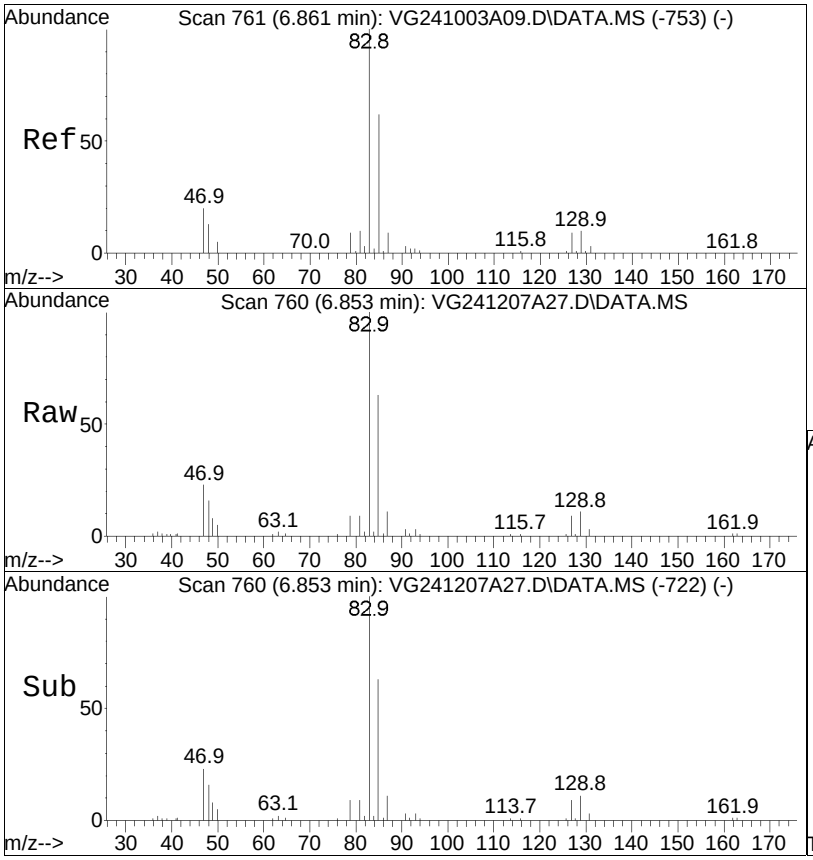


#51
1,2-Dichloropropane
Concen: 10.28 ug/L
RT: 6.777 min Scan# 750
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 63 Resp: 106331

Ion	Ratio	Lower	Upper
63	100		
62	72.1	56.5	84.7
76	41.0	34.6	52.0

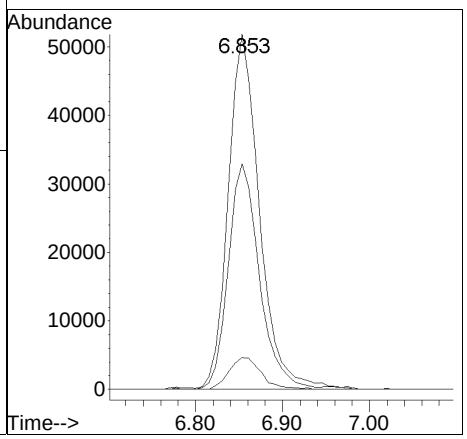


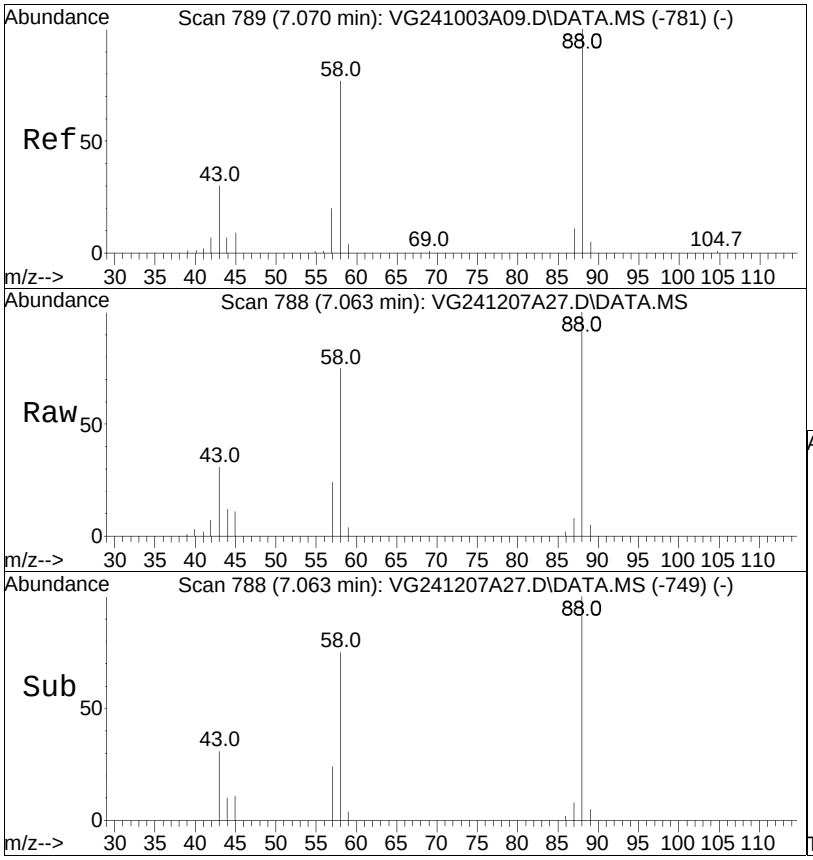


#54
Bromodichloromethane
Concen: 9.31 ug/L
RT: 6.853 min Scan# 760
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 83 Resp: 129972

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.8	76.2
127	9.3	7.4	11.2

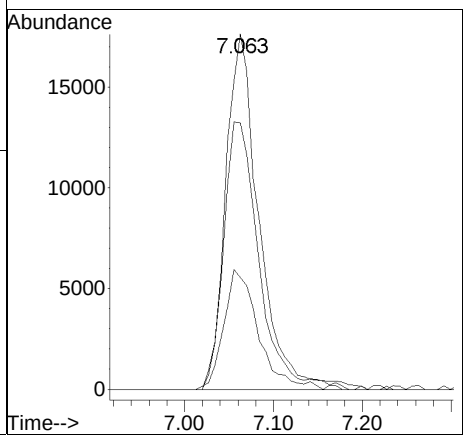


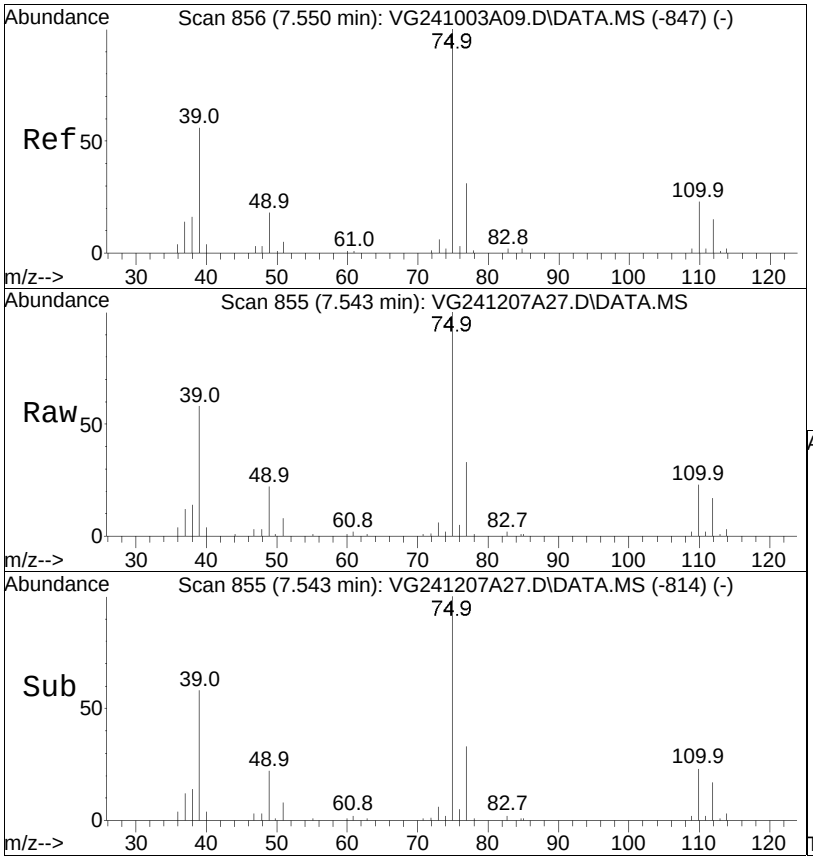


#57
1,4-Dioxane
Concen: 444.93 ug/L
RT: 7.063 min Scan# 788
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 88 Resp: 46260

Ion	Ratio	Lower	Upper
88	100		
58	79.1	48.7	73.1#
43	34.7	22.4	33.6#

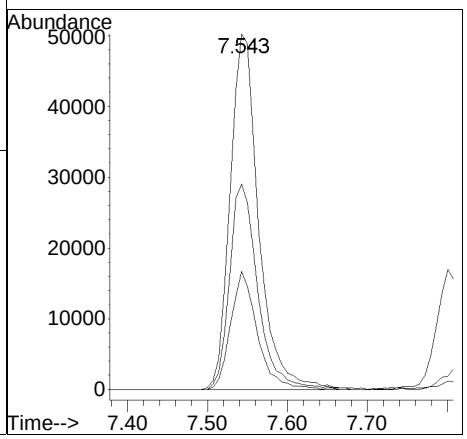


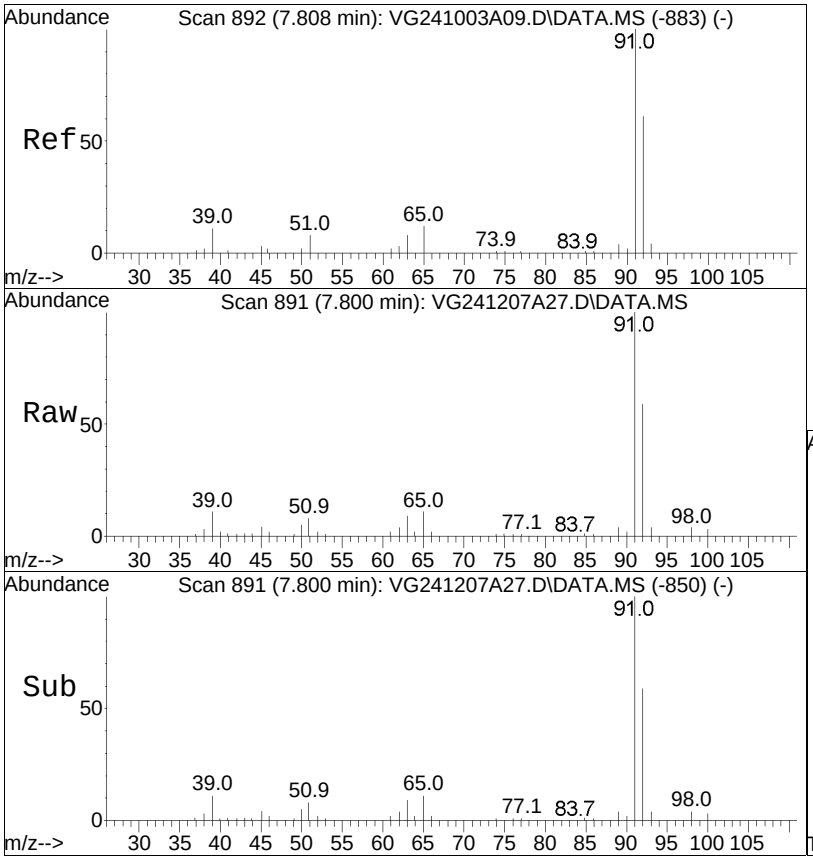


#58
cis-1,3-Dichloropropene
Concen: 7.90 ug/L
RT: 7.543 min Scan# 855
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 75 Resp: 124923

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.6	36.8
39	57.2	40.8	61.2

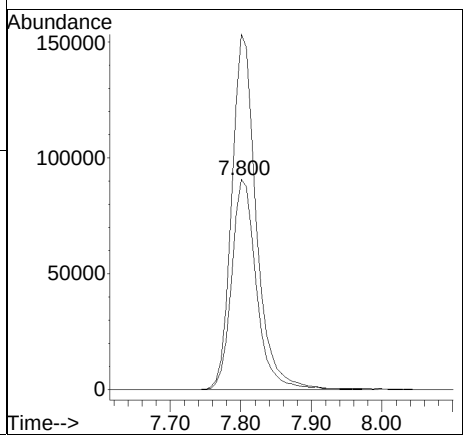


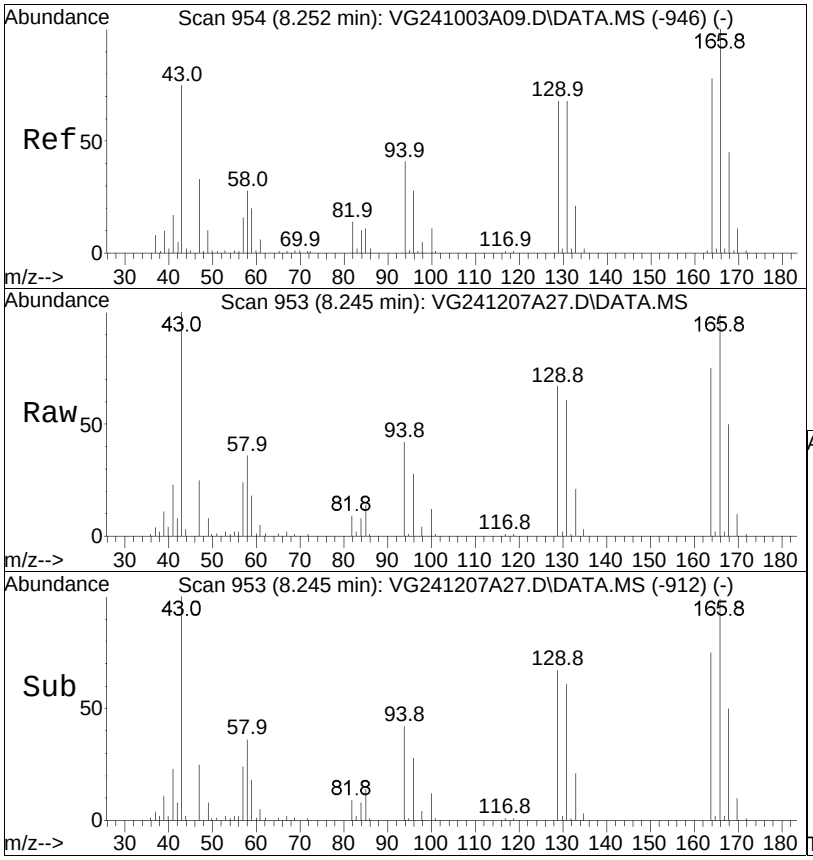


#61
Toluene
Concen: 8.47 ug/L
RT: 7.800 min Scan# 891
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 92 Resp: 221034

Ion	Ratio	Lower	Upper
92	100		
91	167.1	134.8	202.2

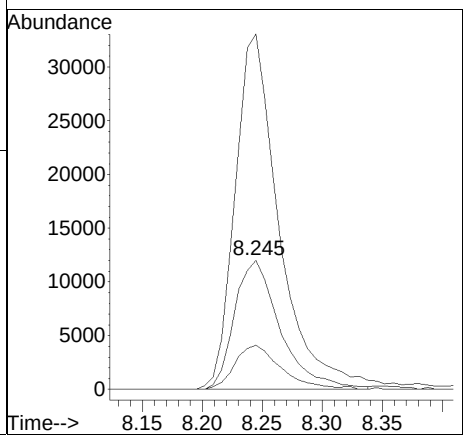


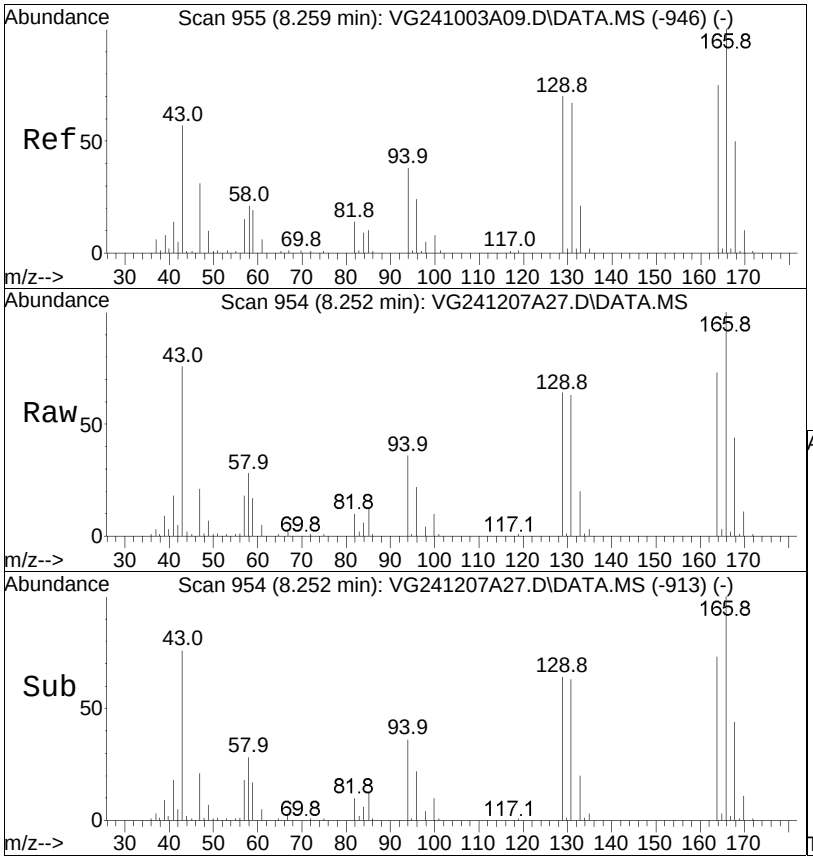


#62
4-Methyl-2-pentanone
Concen: 8.75 ug/L
RT: 8.245 min Scan# 953
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 58 Resp: 31978

Ion	Ratio	Lower	Upper
58	100		
100	34.9	33.6	50.4
43	269.6	204.3	306.5

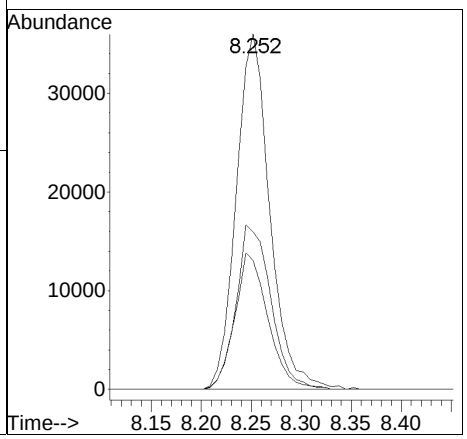


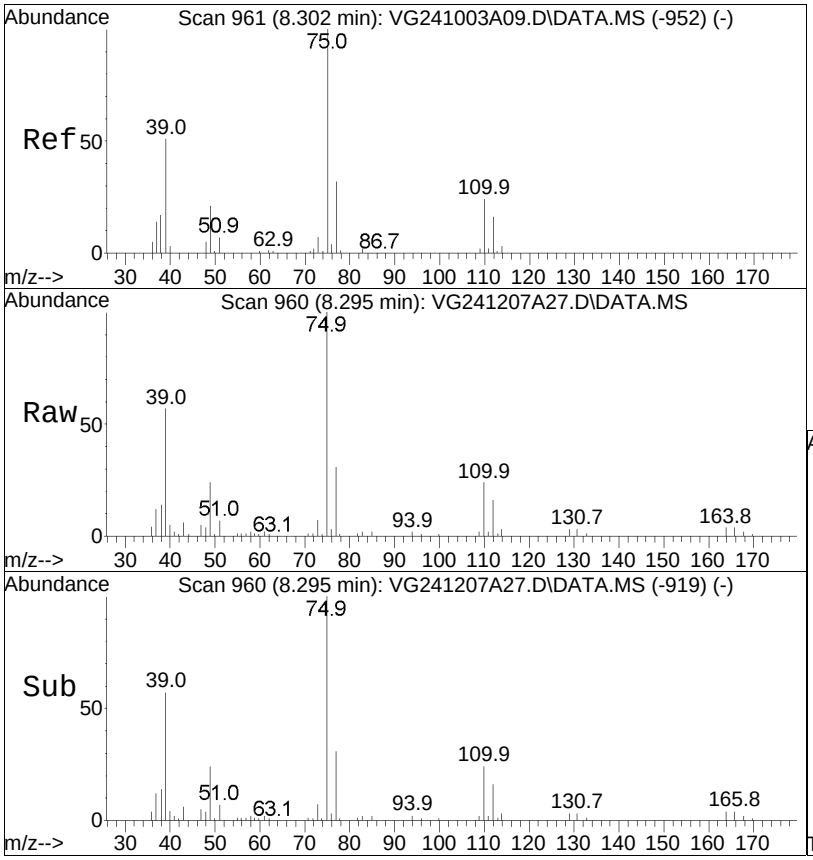


#63
Tetrachloroethene
Concen: 7.46 ug/L
RT: 8.252 min Scan# 954
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:166 Resp: 84202

Ion	Ratio	Lower	Upper
166	100		
168	48.0	27.3	67.3
94	38.0	20.5	60.5

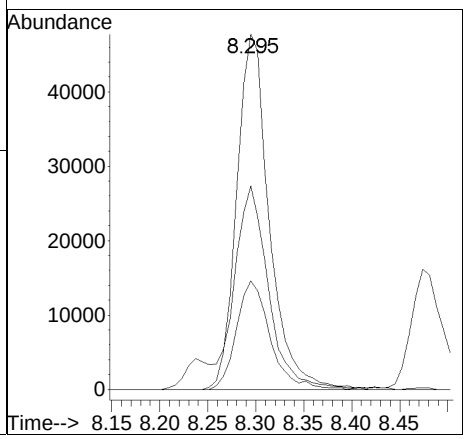


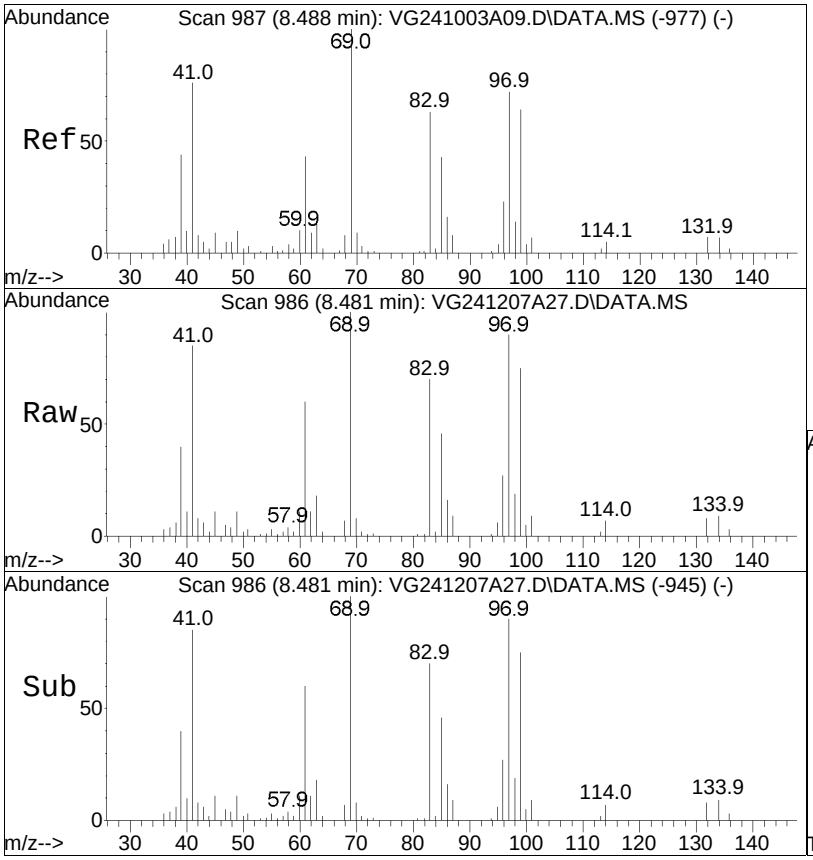


#65
trans-1,3-Dichloropropene
Concen: 7.42 ug/L
RT: 8.295 min Scan# 960
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 75 Resp: 112877

Ion	Ratio	Lower	Upper
75	100		
77	31.5	11.3	51.3
39	58.5	36.0	76.0

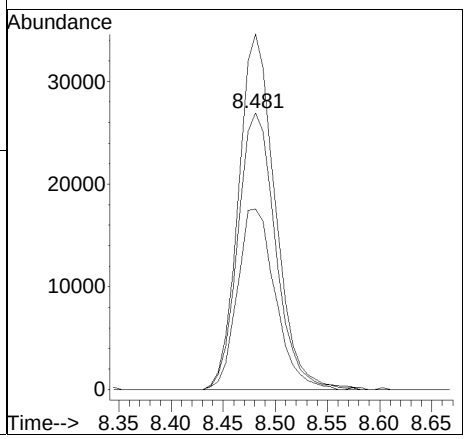


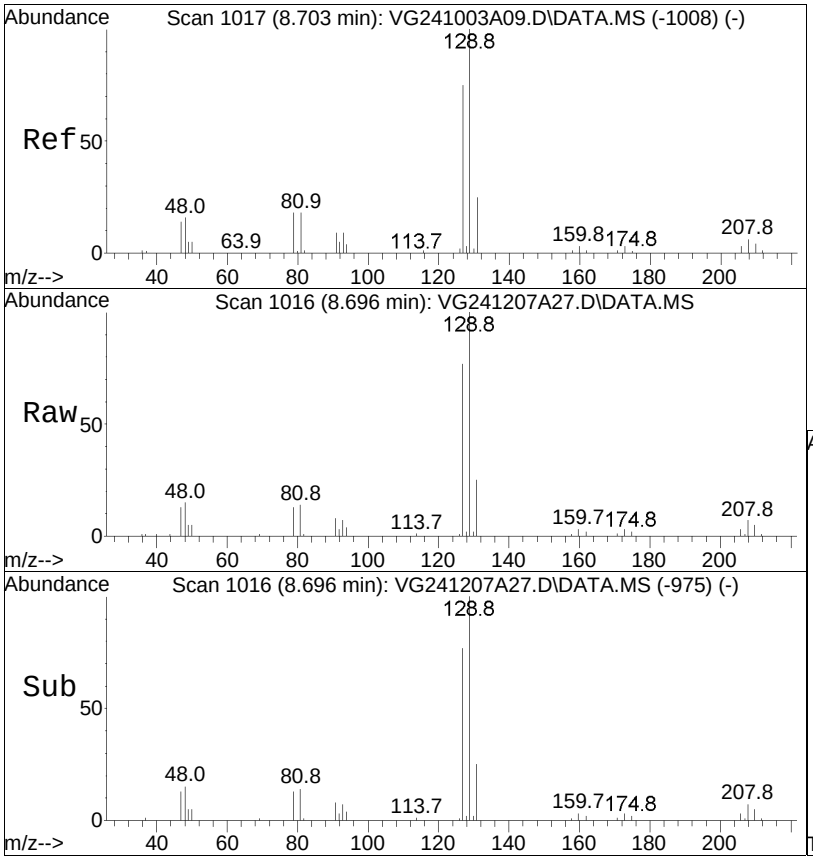


#68
1,1,2-Trichloroethane
Concen: 8.52 ug/L
RT: 8.481 min Scan# 986
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 83 Resp: 67665

Ion	Ratio	Lower	Upper
83	100		
97	125.3	101.0	141.0
85	65.8	47.9	87.9

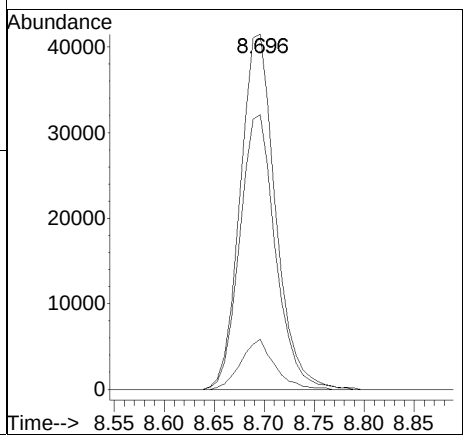


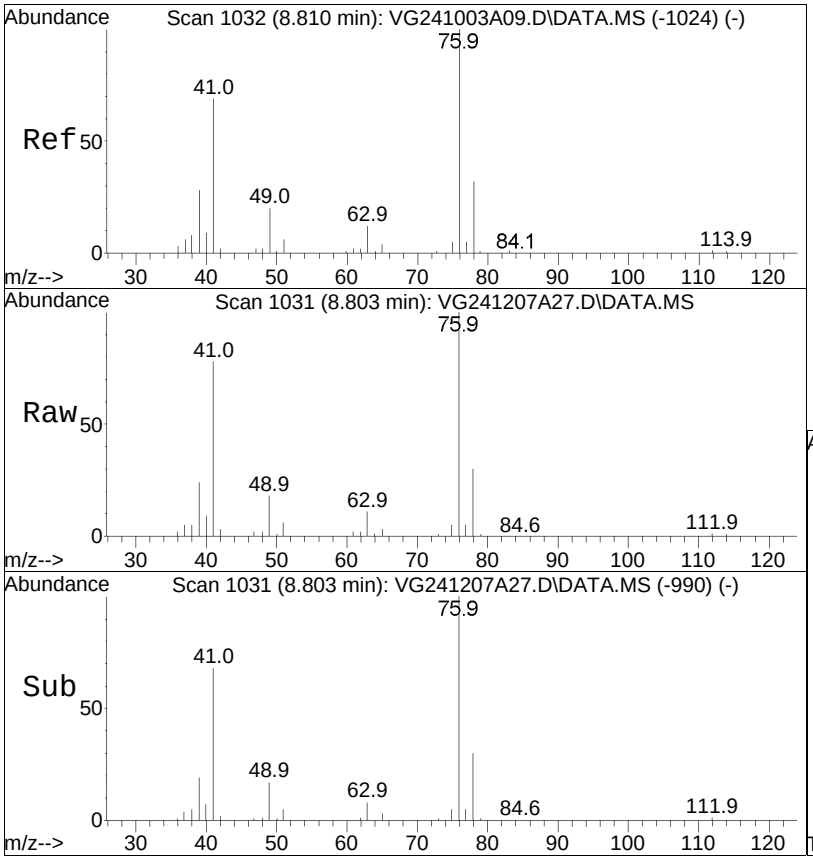


#69
Chlorodibromomethane
Concen: 9.30 ug/L
RT: 8.696 min Scan# 1016
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:129 Resp: 102111

Ion	Ratio	Lower	Upper
129	100		
81	13.5	0.0	35.0
127	78.1	57.1	97.1

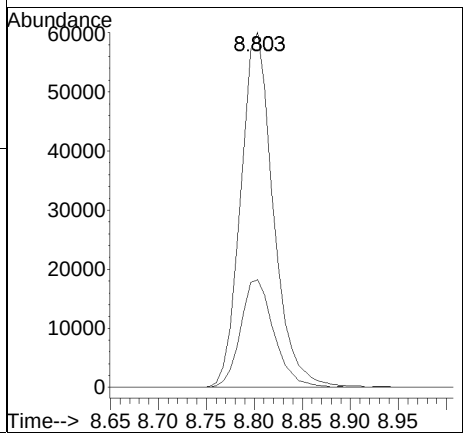


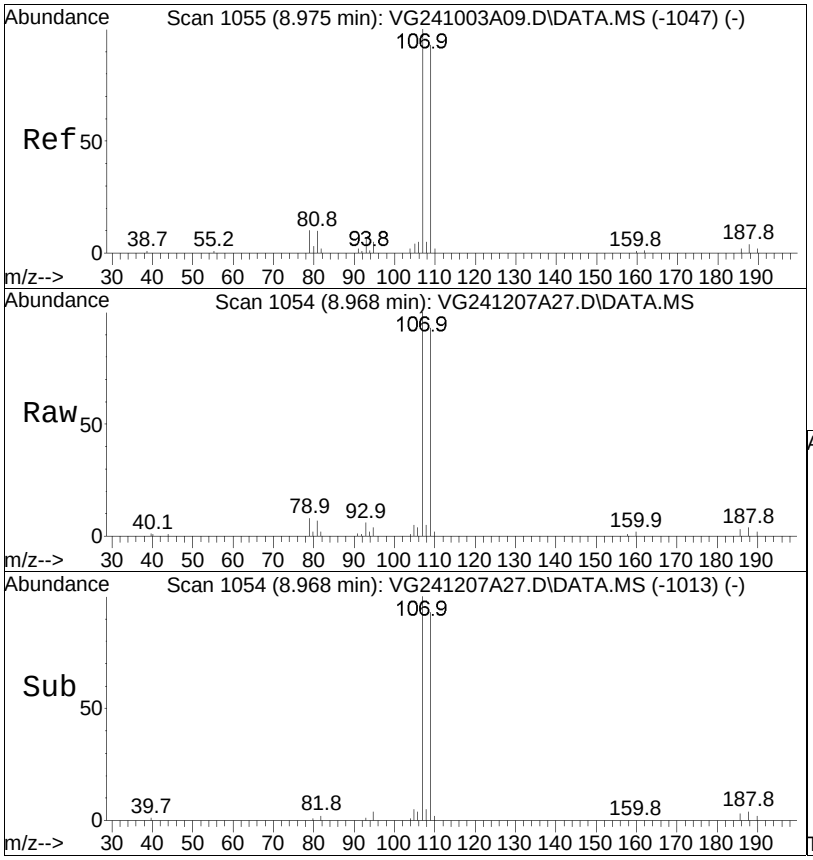


#70
1,3-Dichloropropane
Concen: 9.00 ug/L
RT: 8.803 min Scan# 1031
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 76 Resp: 141931

Ion	Ratio	Lower	Upper
76	100		
78	31.1	25.4	38.2

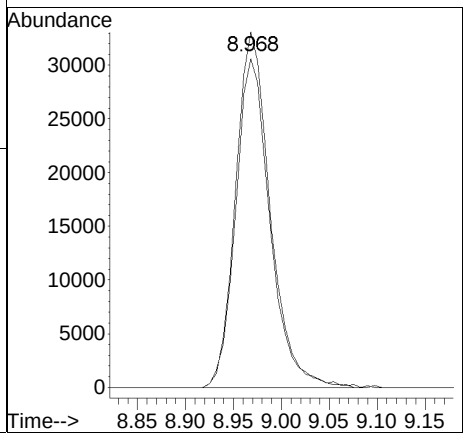


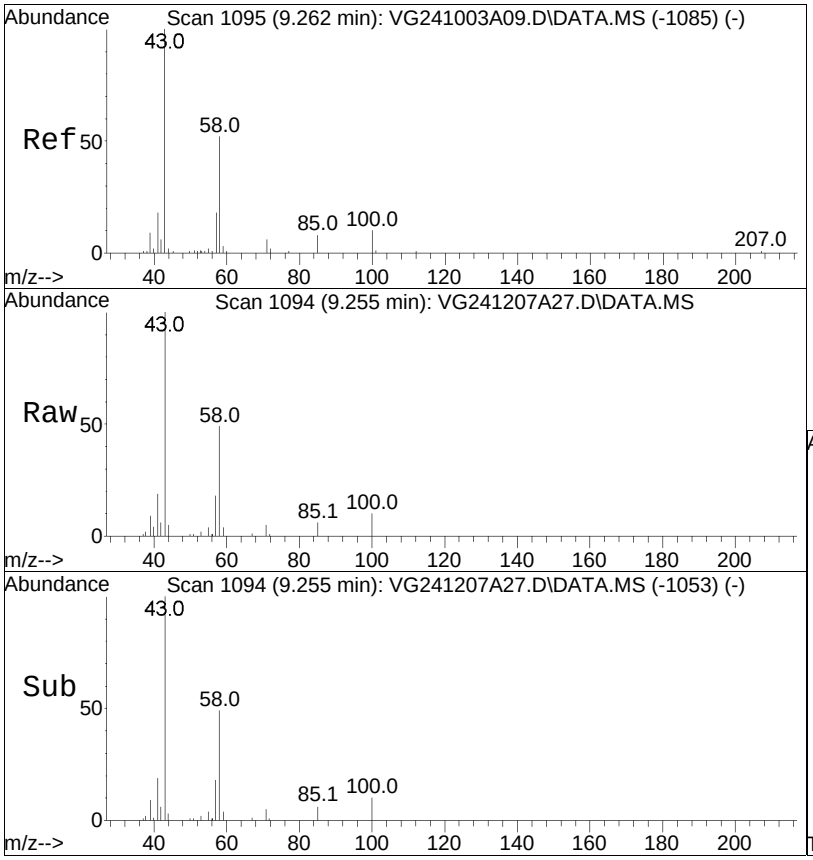


#71
1,2-Dibromoethane
Concen: 8.82 ug/L
RT: 8.968 min Scan# 1054
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:107 Resp: 82841

Ion	Ratio	Lower	Upper
107	100		
109	92.2	76.0	114.0

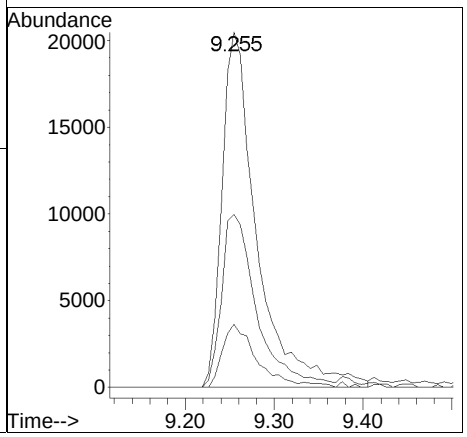


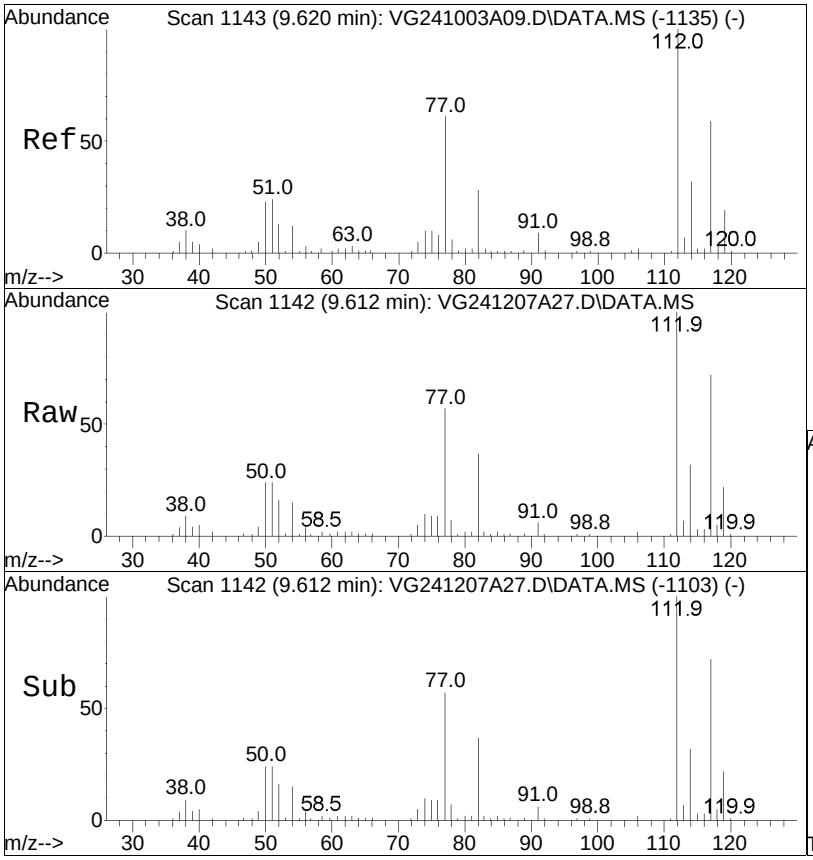


#72
2-Hexanone
Concen: 8.59 ug/L
RT: 9.255 min Scan# 1094
Delta R.T. -0.007 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 43 Resp: 56210

Ion	Ratio	Lower	Upper
43	100		
58	49.4	43.8	65.6
57	17.8	15.2	22.8

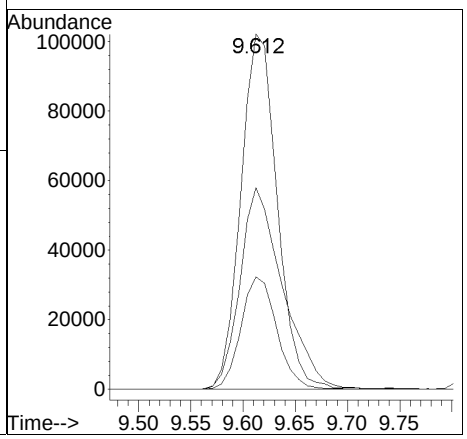


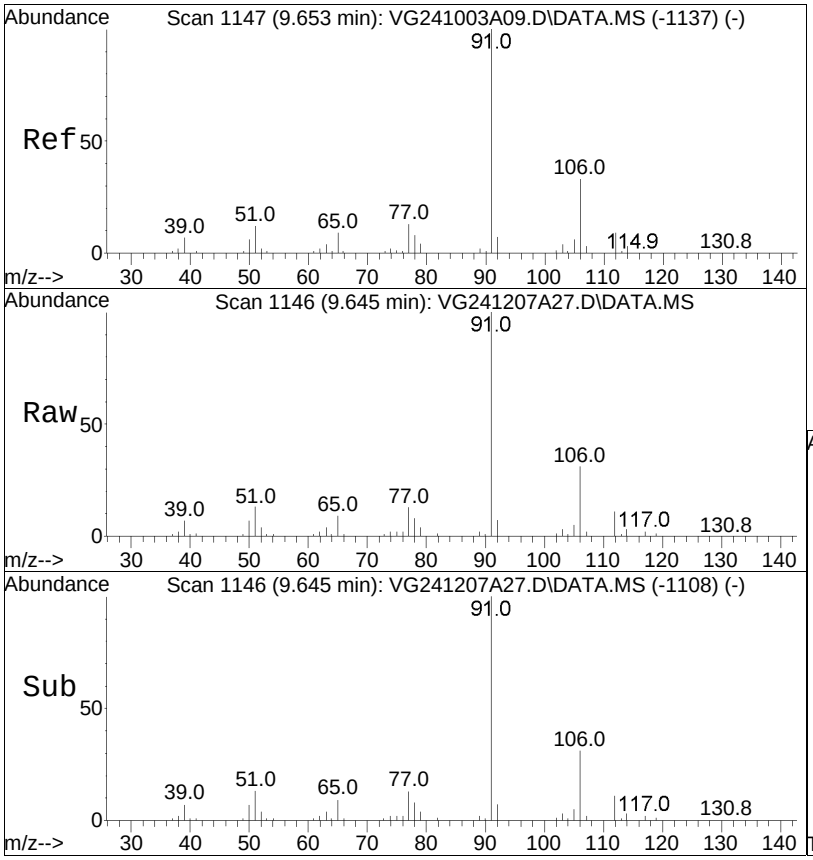


#73
Chlorobenzene
Concen: 8.83 ug/L
RT: 9.612 min Scan# 1142
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:112 Resp: 247715

Ion	Ratio	Lower	Upper
112	100		
77	66.7	55.9	83.9
114	31.3	25.4	38.0

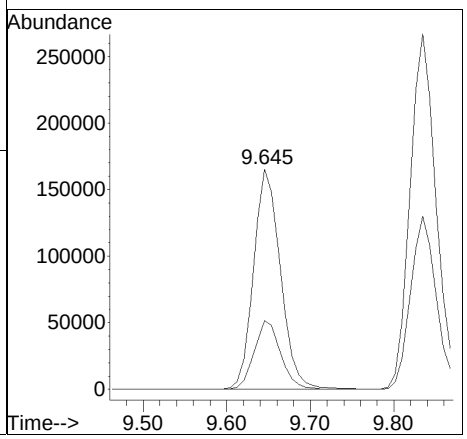


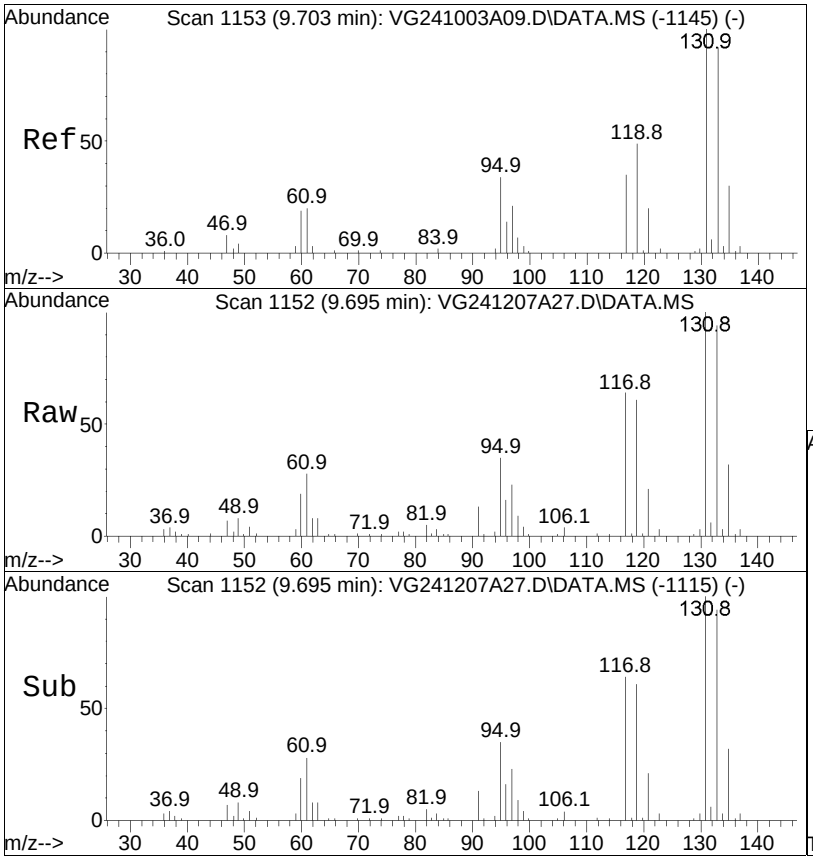


#74
Ethylbenzene
Concen: 7.40 ug/L
RT: 9.645 min Scan# 1146
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 91 Resp: 370992

Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.3	37.9

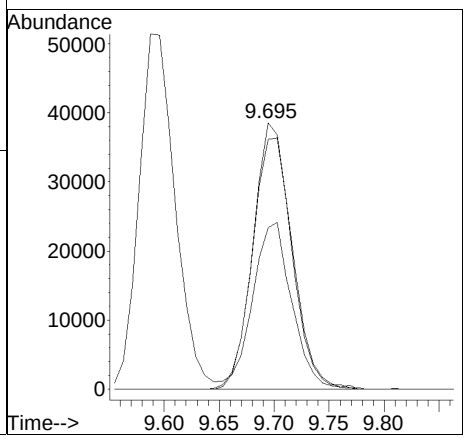


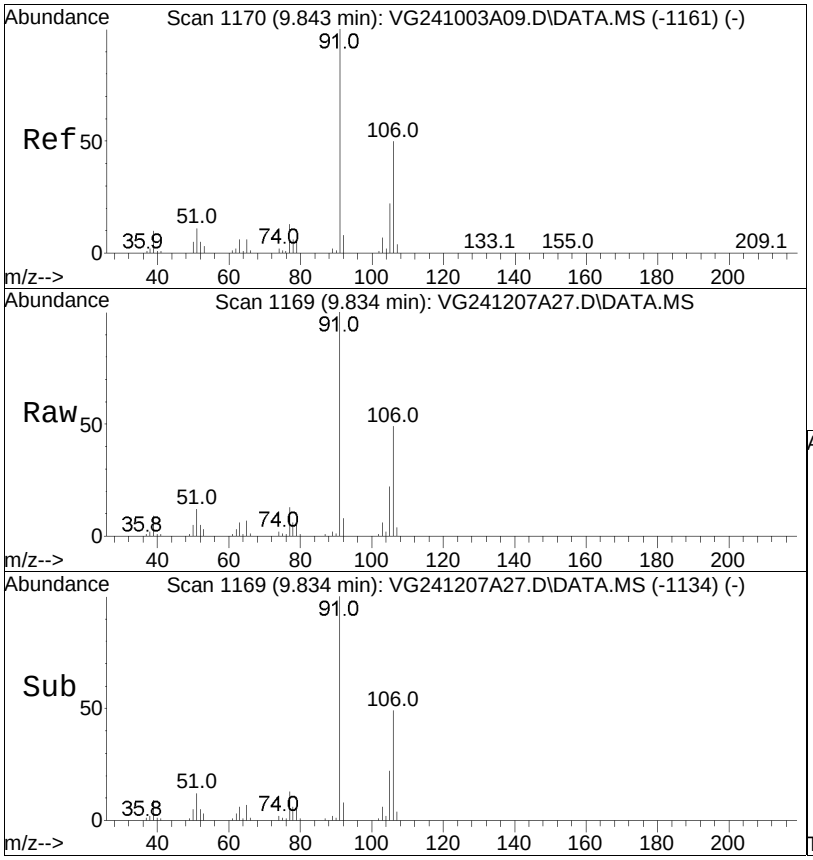


#75
1,1,1,2-Tetrachloroethane
Concen: 8.86 ug/L
RT: 9.695 min Scan# 1152
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:131 Resp: 95231

Ion	Ratio	Lower	Upper
131	100		
133	96.2	77.3	117.3
119	63.3	42.7	82.7

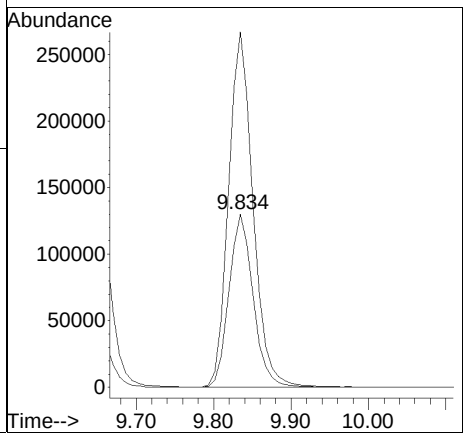


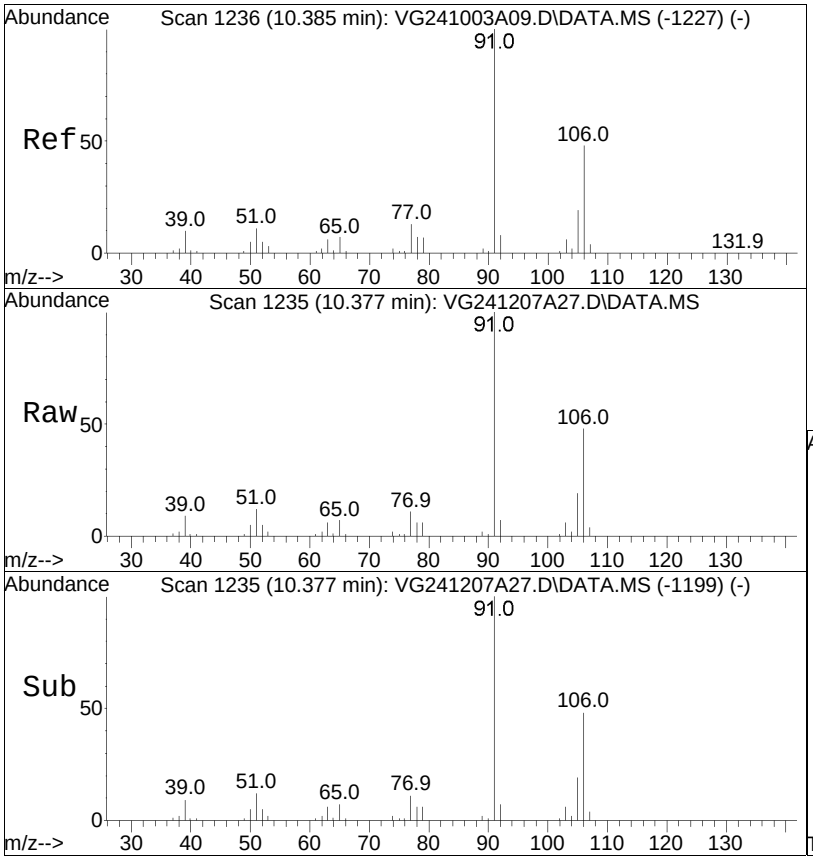


#76
p/m Xylene
Concen: 14.85 ug/L
RT: 9.834 min Scan# 1169
Delta R.T. -0.009 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:106 Resp: 283391

Ion	Ratio	Lower	Upper
106	100		
91	206.2	157.1	235.7

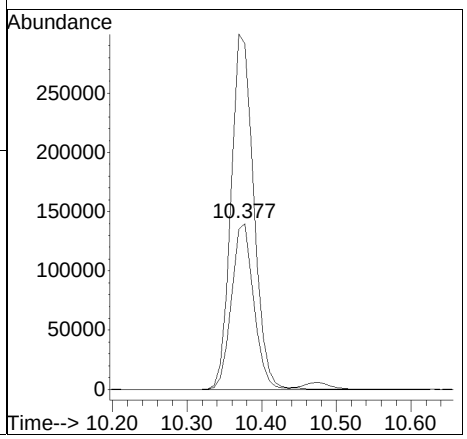


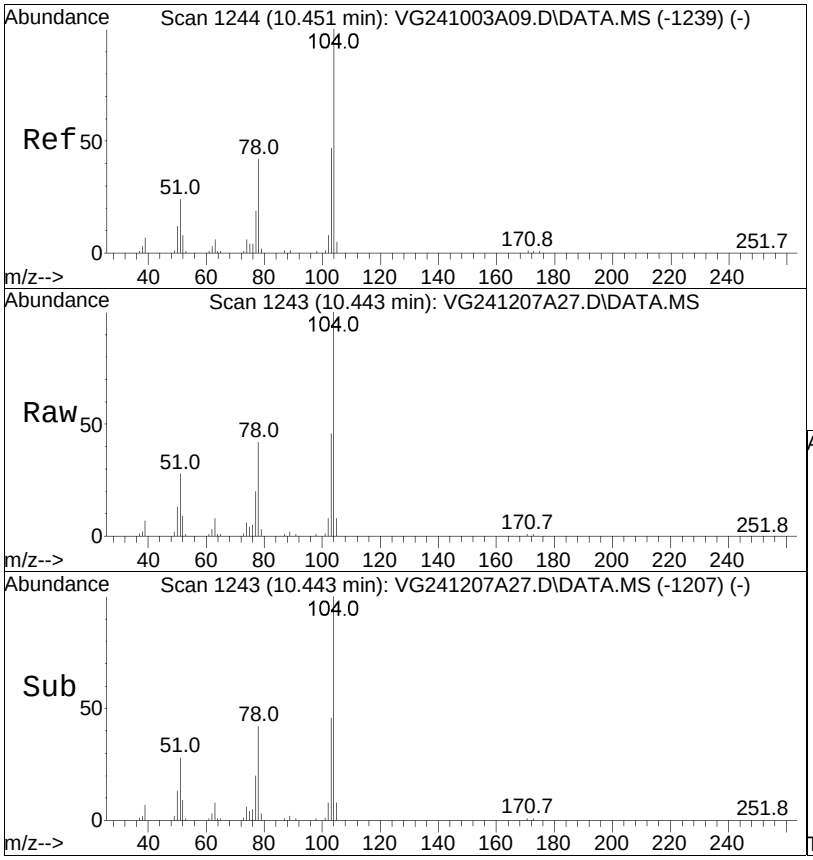


#77
o Xylene
Concen: 15.79 ug/L
RT: 10.377 min Scan# 1235
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:106 Resp: 291856

Ion	Ratio	Lower	Upper
106	100		
91	215.7	164.7	247.1

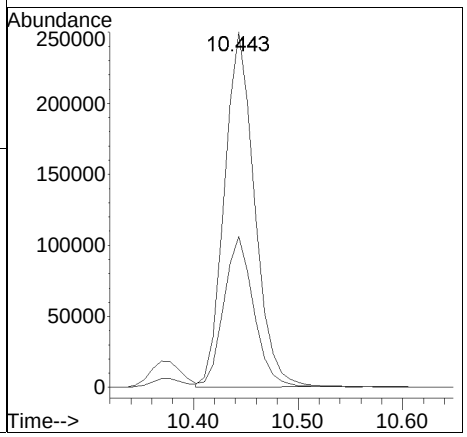


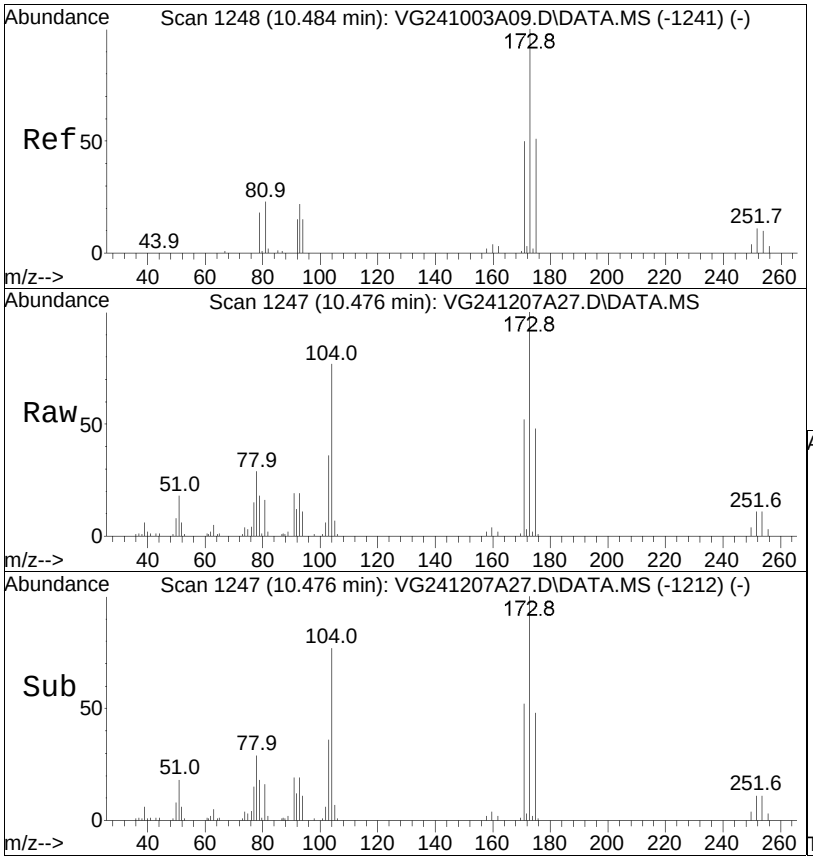


#78
Styrene
Concen: 15.97 ug/L
RT: 10.443 min Scan# 1243
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:104 Resp: 502362

Ion	Ratio	Lower	Upper
104	100		
78	42.2	32.2	48.4

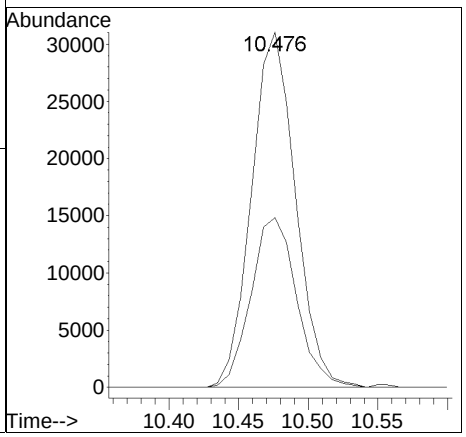


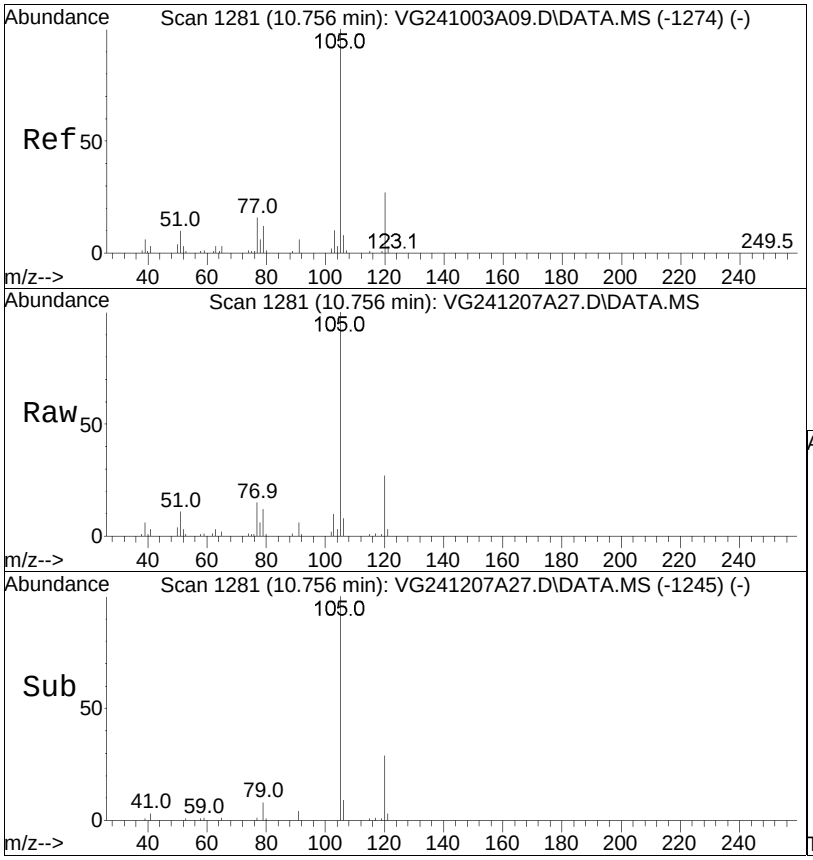


#80
Bromoform
Concen: 8.51 ug/L
RT: 10.476 min Scan# 1247
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:173 Resp: 68204

Ion	Ratio	Lower	Upper
173	100		
175	49.7	28.0	68.0

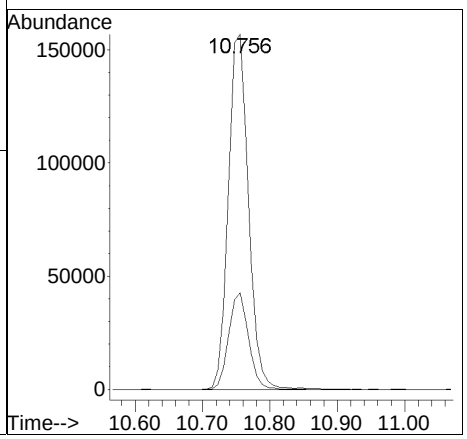


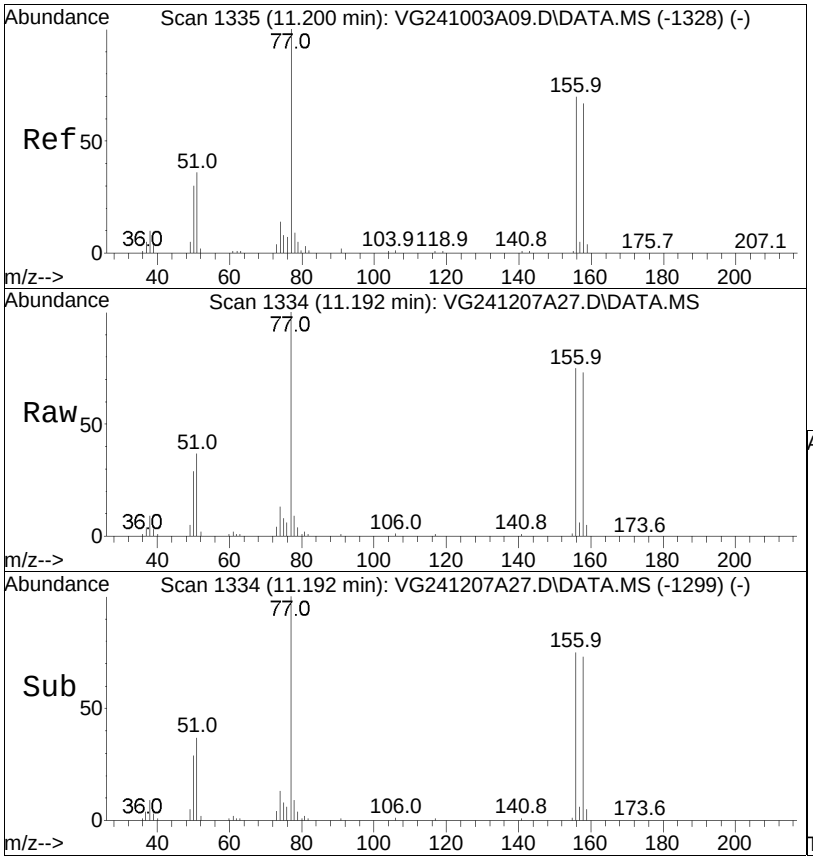


#82
Isopropylbenzene
Concen: 6.63 ug/L
RT: 10.756 min Scan# 1281
Delta R.T. -0.000 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:105 Resp: 326599

Ion	Ratio	Lower	Upper
105	100		
120	26.8	7.0	47.0

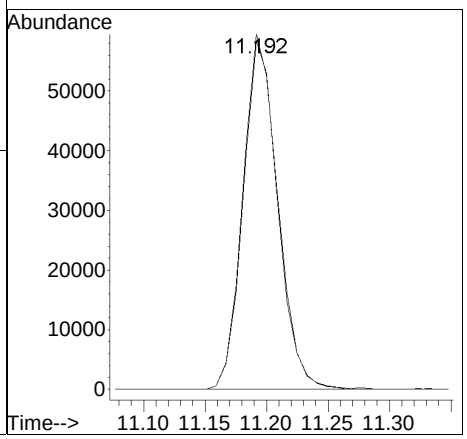


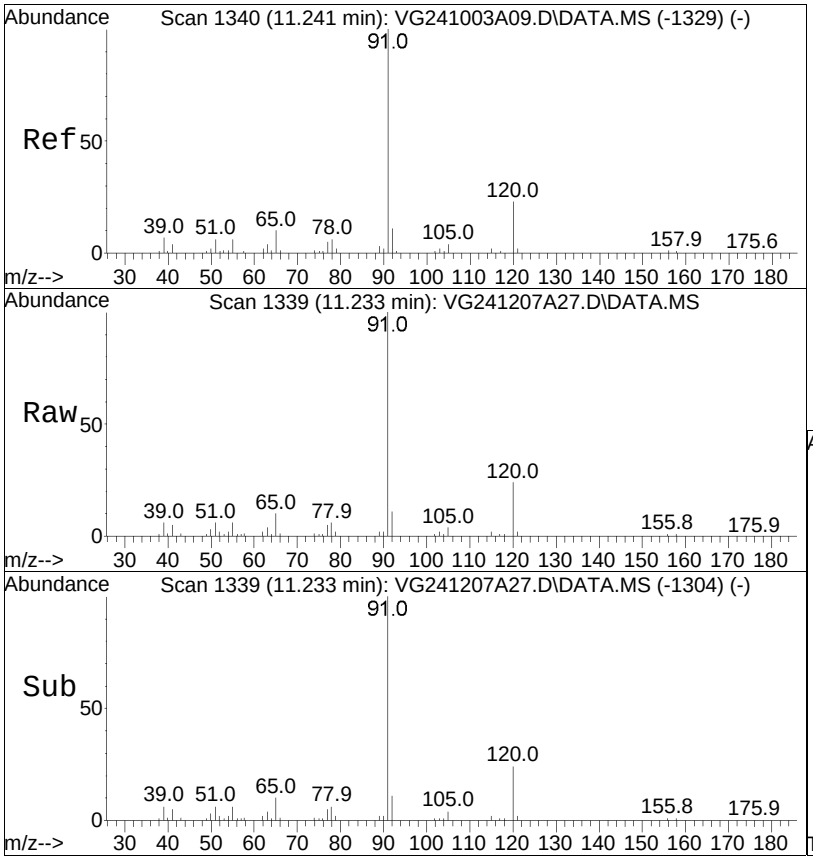


#84
Bromobenzene
Concen: 8.76 ug/L
RT: 11.192 min Scan# 1334
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:156 Resp: 116908

Ion	Ratio	Lower	Upper
156	100		
158	97.5	76.9	115.3

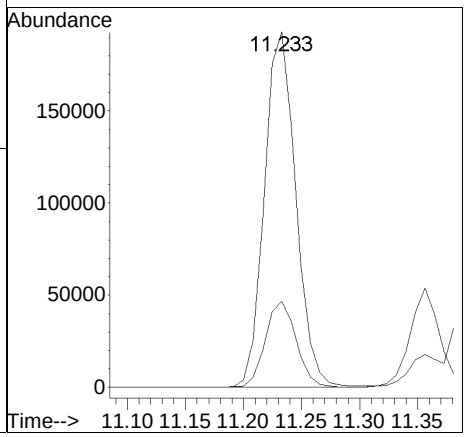


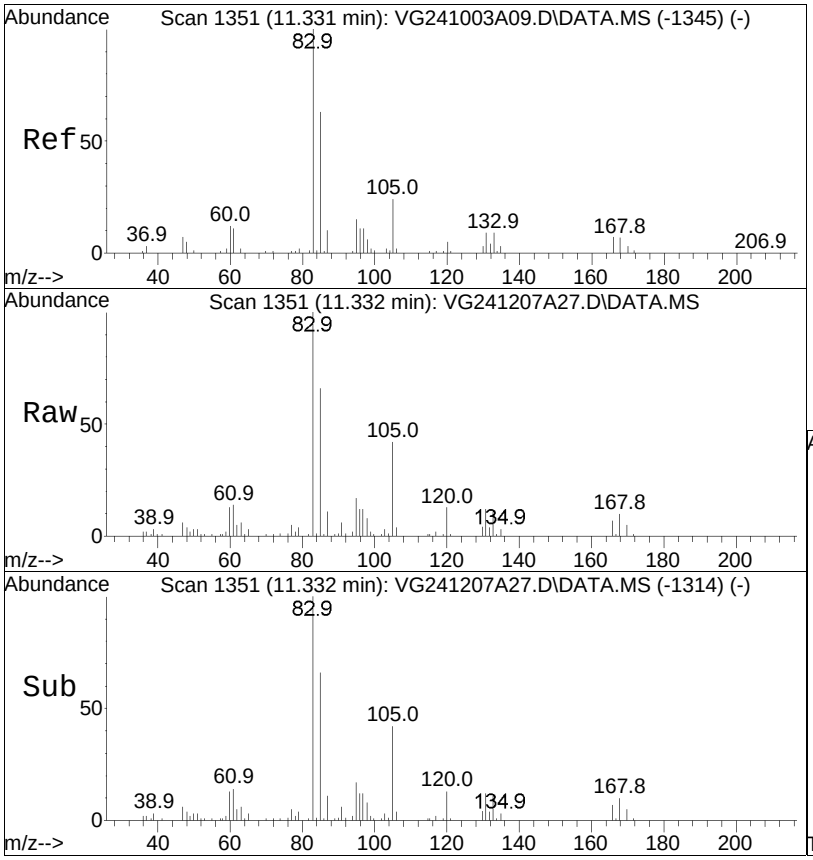


#85
n-Propylbenzene
Concen: 6.33 ug/L
RT: 11.233 min Scan# 1339
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 91 Resp: 363552

Ion	Ratio	Lower	Upper
91	100		
120	23.8	19.0	28.6

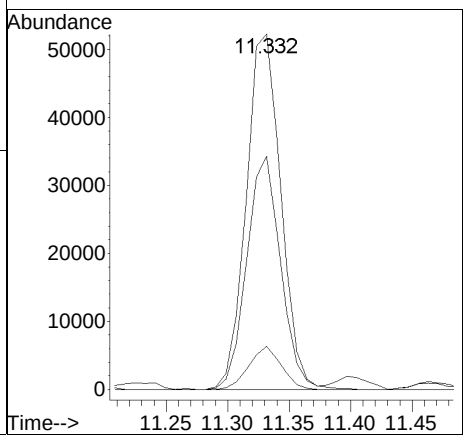


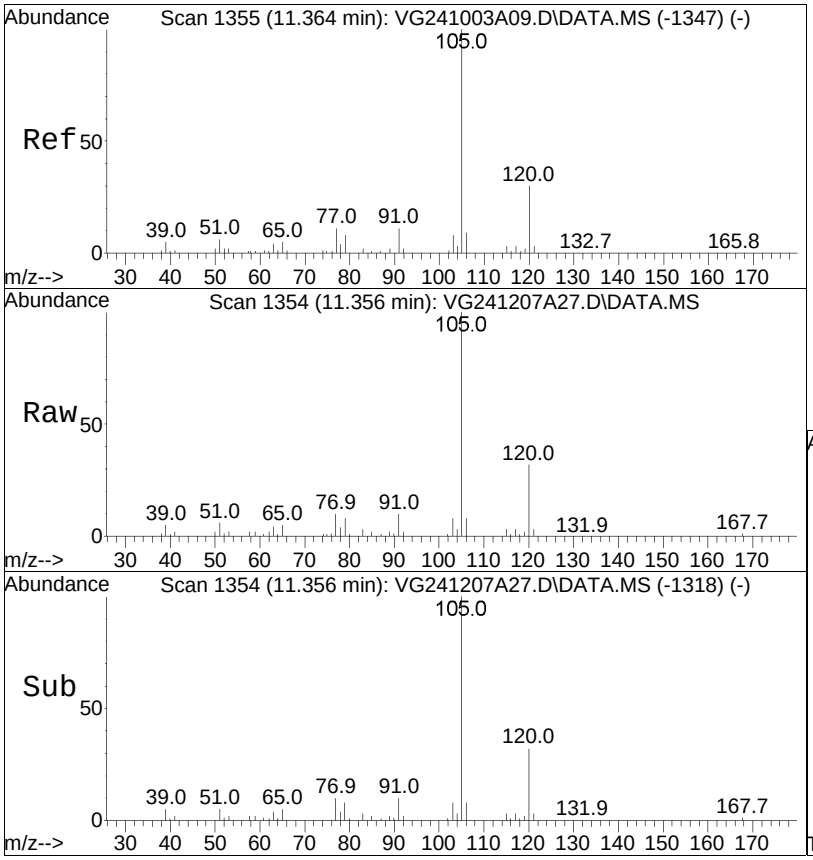


#87
1,1,2,2-Tetrachloroethane
Concen: 8.21 ug/L
RT: 11.332 min Scan# 1351
Delta R.T. 0.001 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 83 Resp: 102422

Ion	Ratio	Lower	Upper
83	100		
131	11.3	0.0	31.0
85	64.0	43.9	83.9

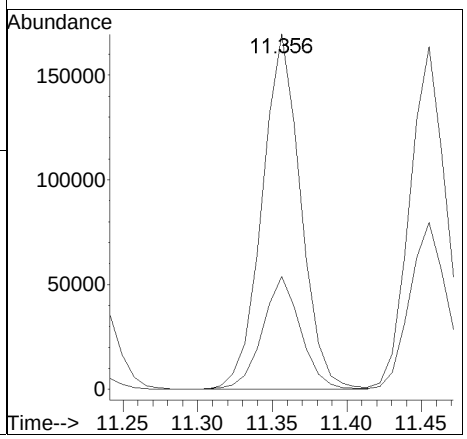


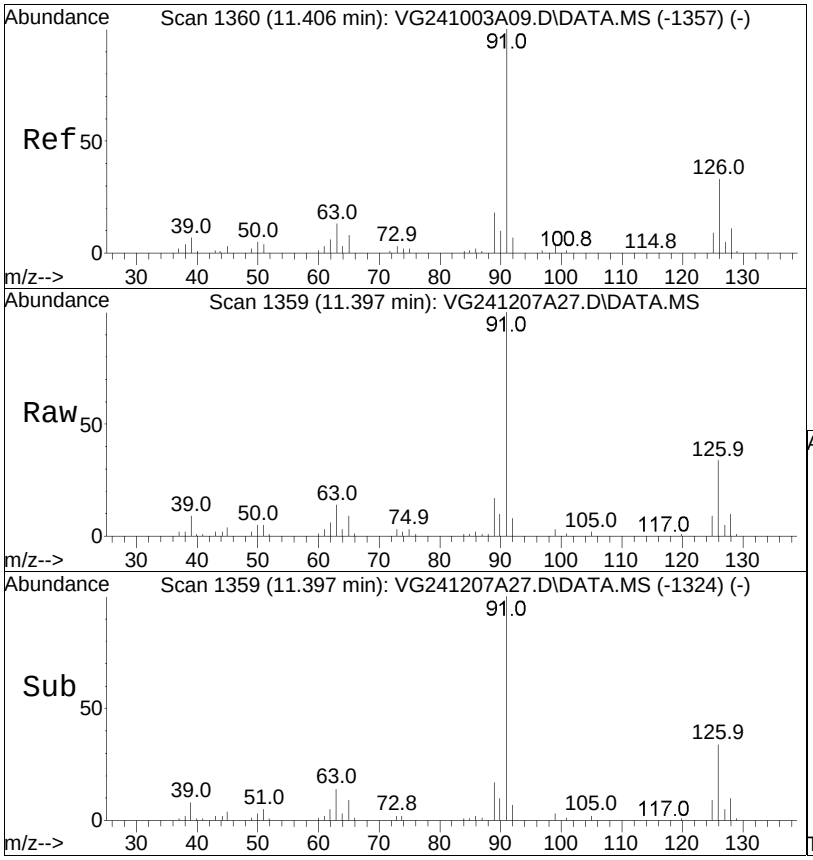


#88
4-Ethyltoluene
Concen: 6.50 ug/L
RT: 11.356 min Scan# 1354
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:105 Resp: 305487

Ion	Ratio	Lower	Upper
105	100		
120	31.5	19.9	41.3

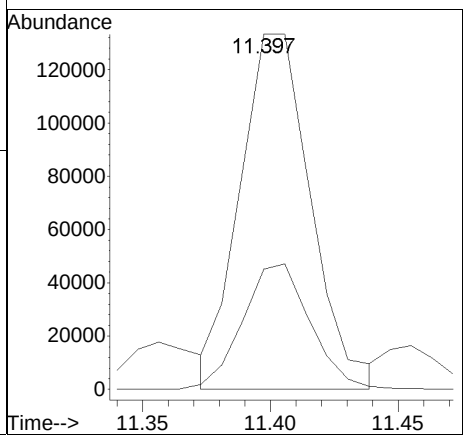


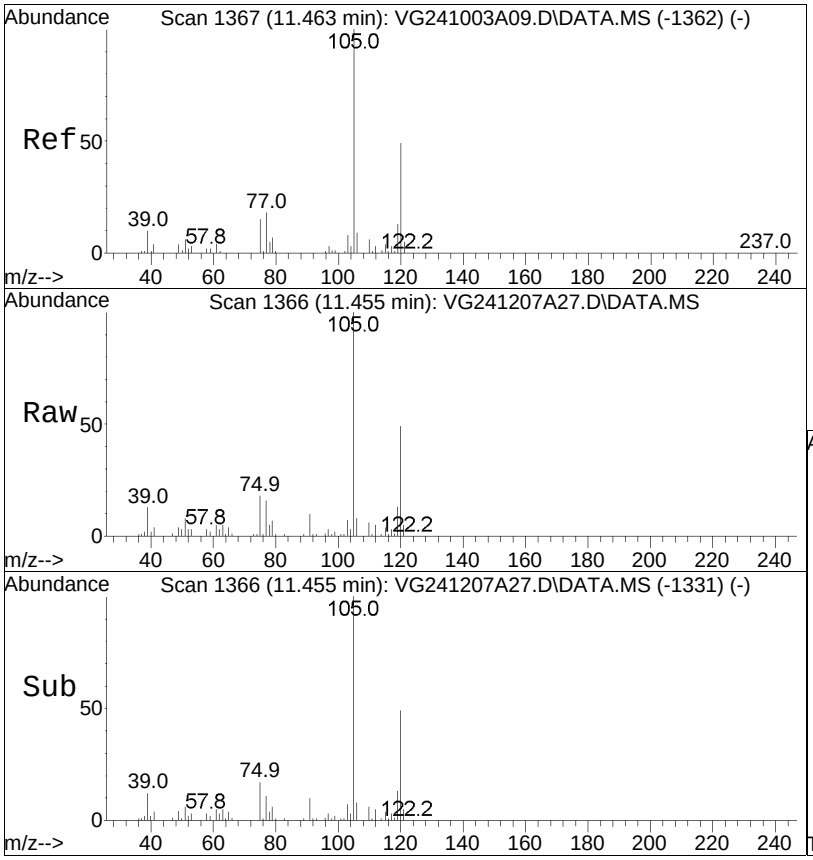


#89
2-Chlorotoluene
Concen: 7.35 ug/L M6
RT: 11.397 min Scan# 1359
Delta R.T. -0.009 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 91 Resp: 257147

Ion	Ratio	Lower	Upper
91	100		
126	33.9	27.4	41.2

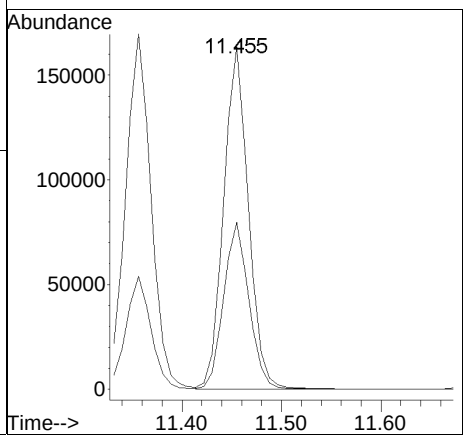


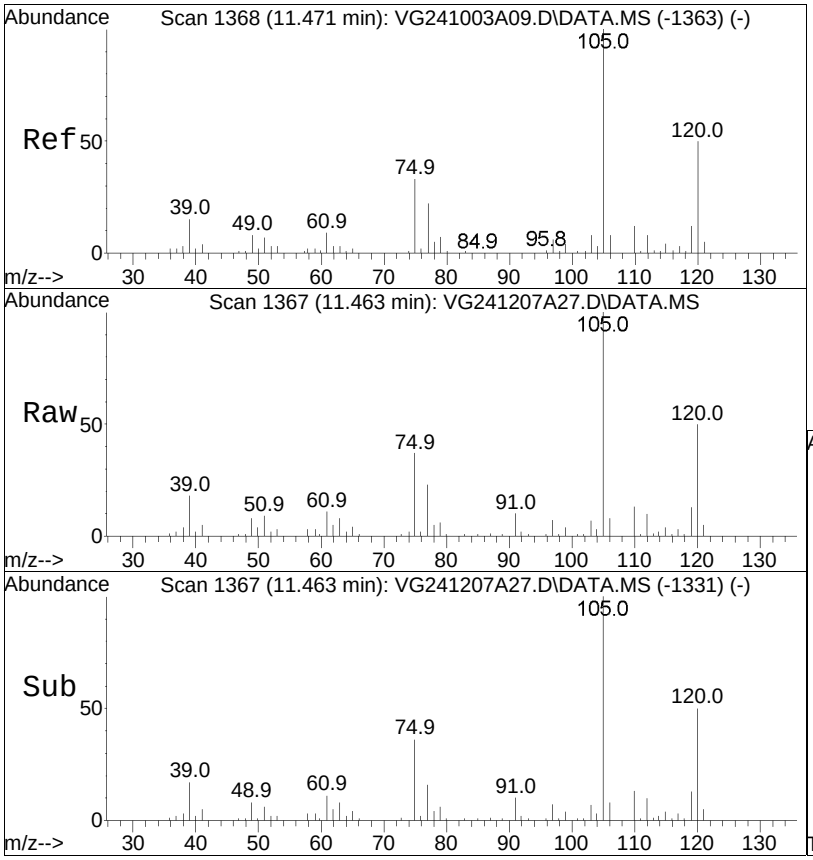


#90
1,3,5-Trimethylbenzene
Concen: 6.81 ug/L
RT: 11.455 min Scan# 1366
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:105 Resp: 283174

Ion	Ratio	Lower	Upper
105	100		
120	49.8	40.3	60.5

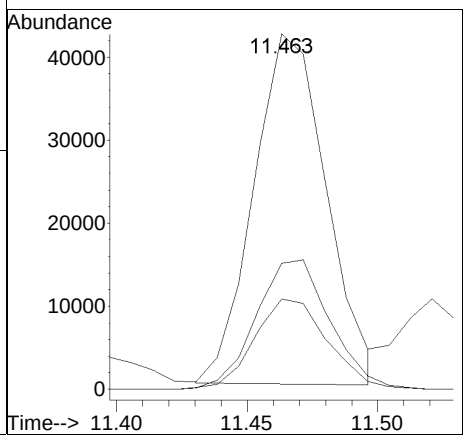


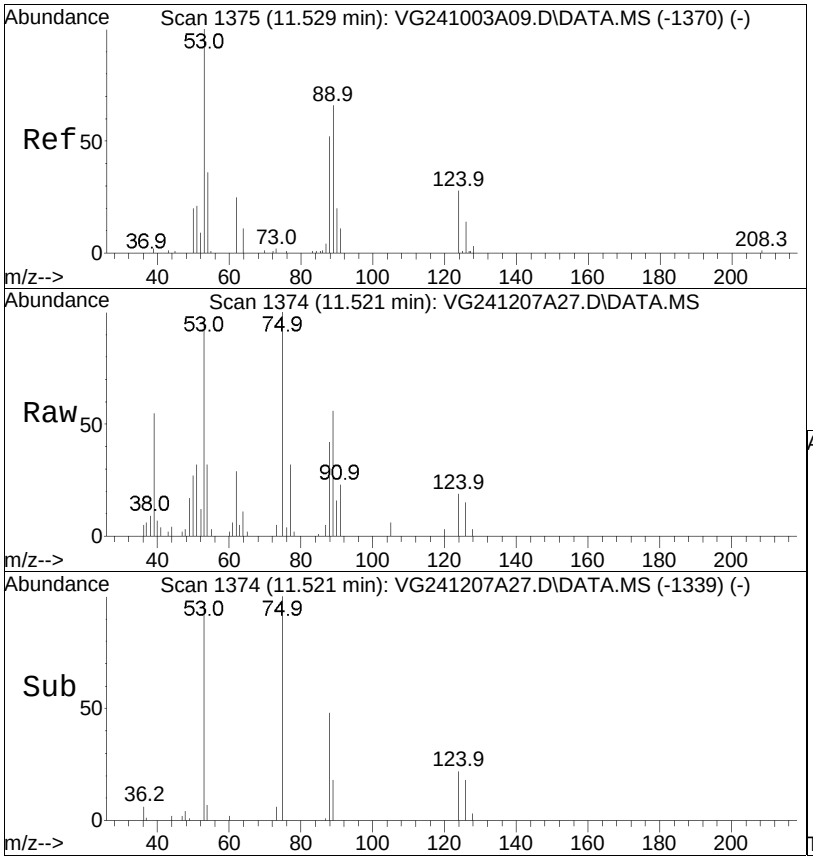


#91
1,2,3-Trichloropropane
Concen: 8.01 ug/L
RT: 11.463 min Scan# 1367
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 75 Resp: 81665

Ion	Ratio	Lower	Upper
75	100		
110	37.8	23.5	48.9
112	26.2	15.9	32.9

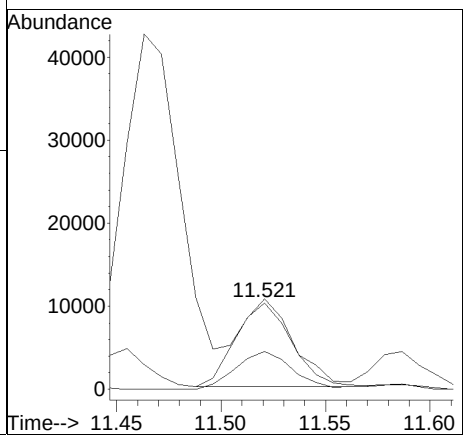


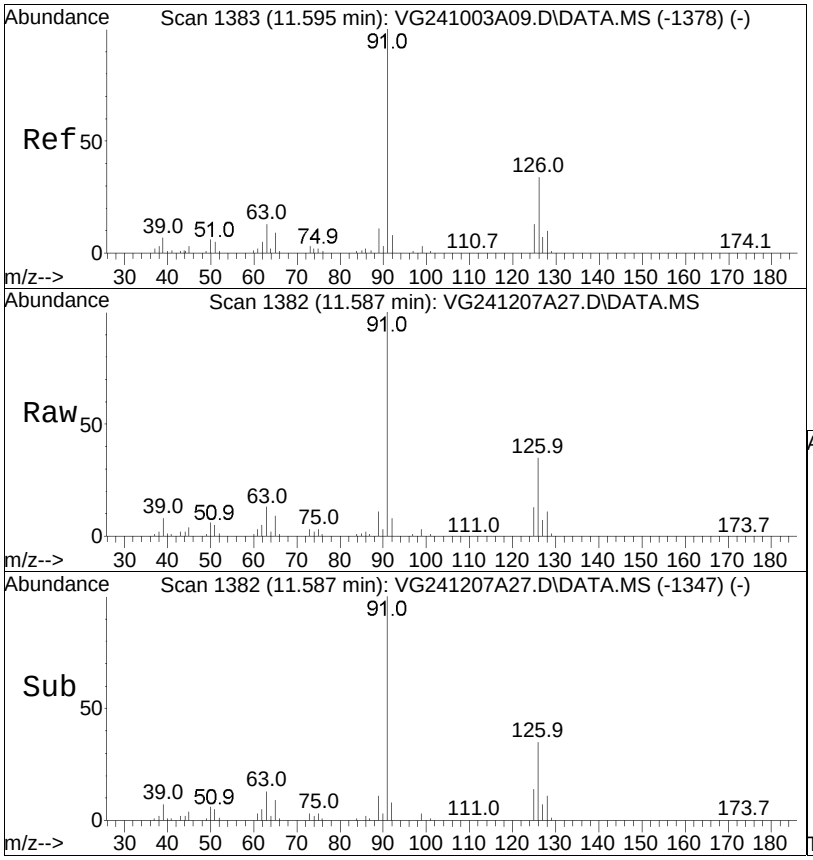


#92
trans-1,4-Dichloro-2-butene
Concen: 4.55 ug/L
RT: 11.521 min Scan# 1374
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 53 Resp: 18690

Ion	Ratio	Lower	Upper
53	100		
88	46.8	41.6	62.4
75	97.8	0.0	0.0#

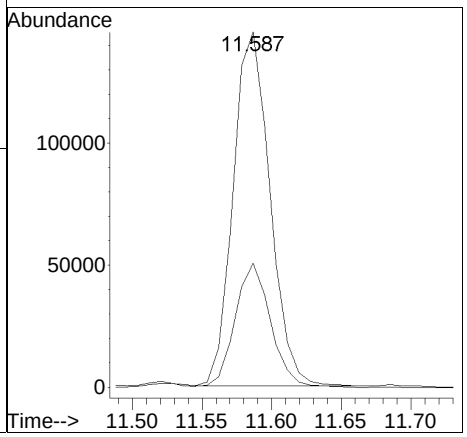


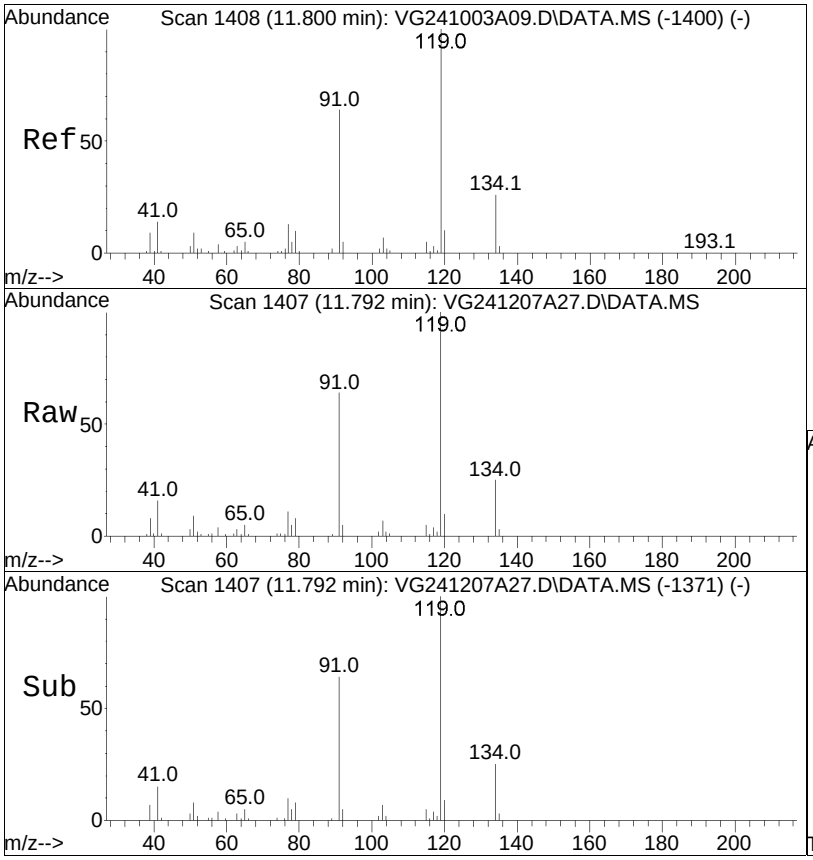


#93
4-Chlorotoluene
Concen: 7.23 ug/L
RT: 11.587 min Scan# 1382
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 91 Resp: 266237

Ion	Ratio	Lower	Upper
91	100		
126	33.9	28.2	42.4

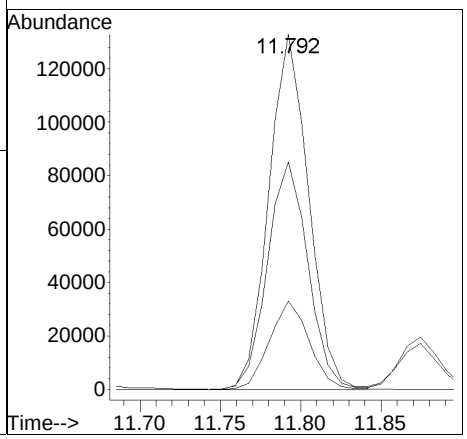


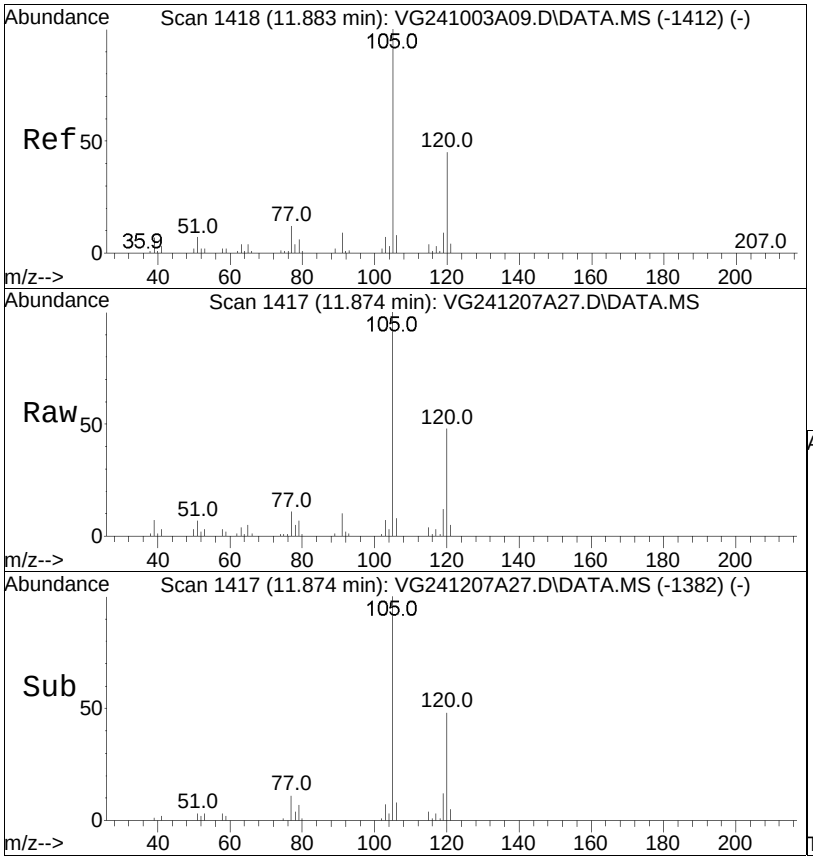


#94
tert-Butylbenzene
Concen: 6.98 ug/L
RT: 11.792 min Scan# 1407
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:119 Resp: 229101

Ion	Ratio	Lower	Upper
119	100		
91	65.4	50.8	76.2
134	24.8	20.2	30.4

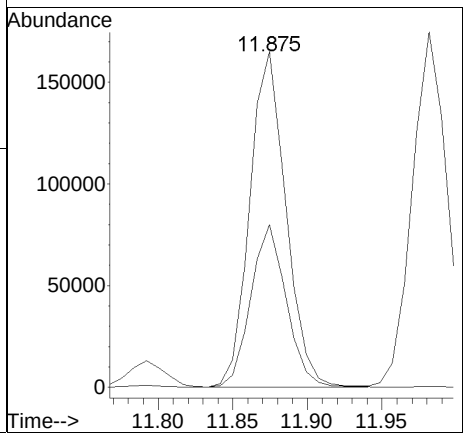


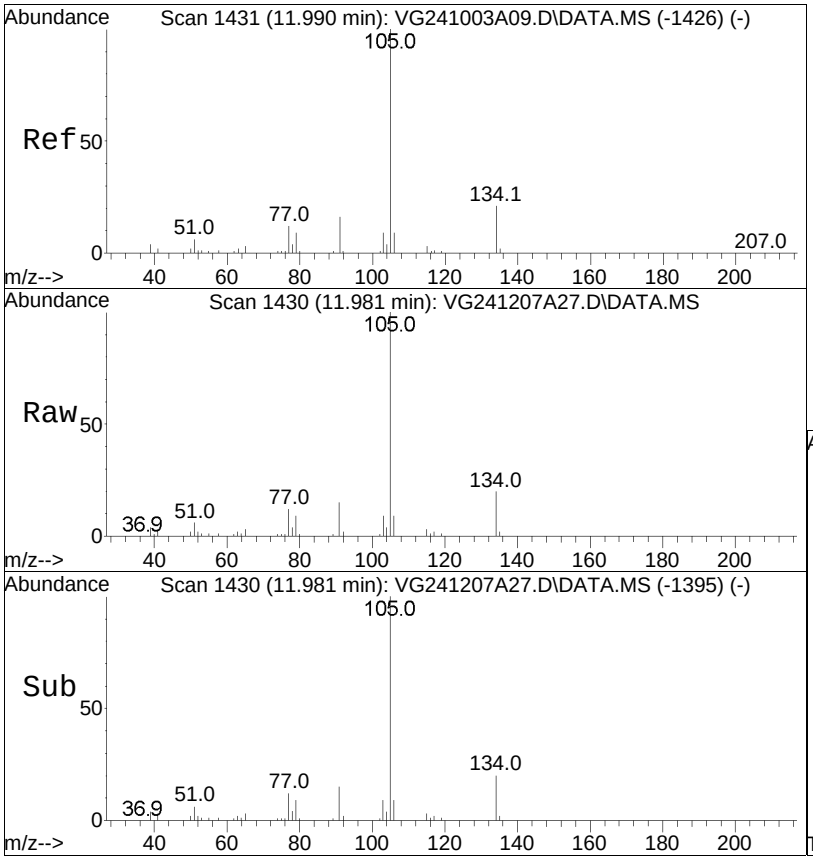


#97
1,2,4-Trimethylbenzene
Concen: 6.87 ug/L
RT: 11.874 min Scan# 1417
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:105 Resp: 278735

Ion	Ratio	Lower	Upper
105	100		
120	47.7	37.8	56.6

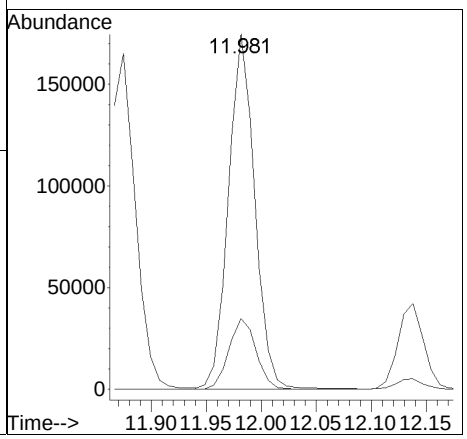


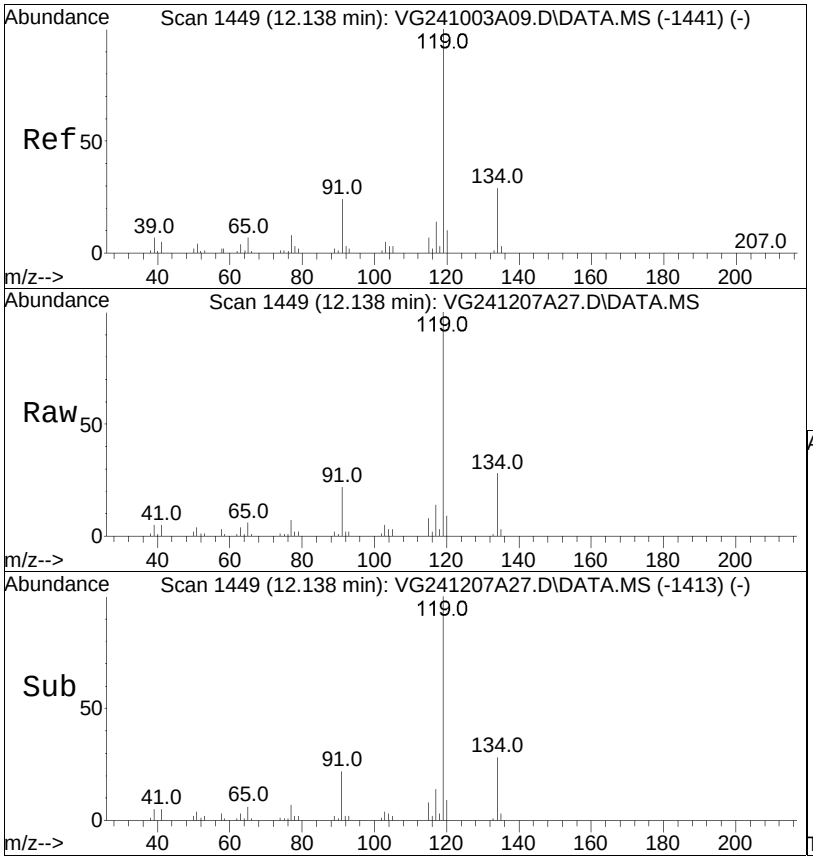


#98
sec-Butylbenzene
Concen: 6.16 ug/L
RT: 11.981 min Scan# 1430
Delta R.T. -0.009 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:105 Resp: 291500

Ion	Ratio	Lower	Upper
105	100		
134	20.6	13.3	27.7

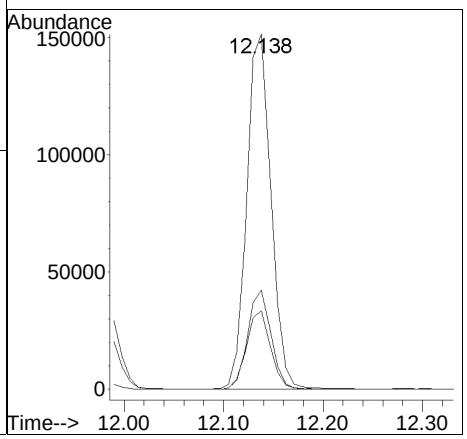


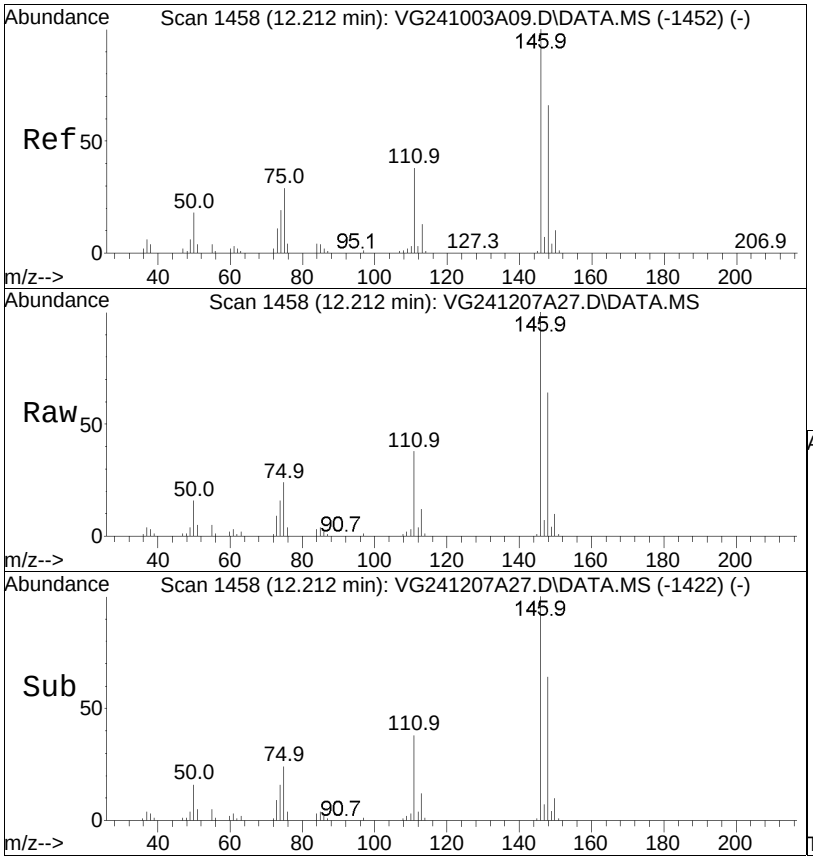


#99
p-Isopropyltoluene
Concen: 6.42 ug/L
RT: 12.138 min Scan# 1449
Delta R.T. -0.000 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:119 Resp: 257806

Ion	Ratio	Lower	Upper
119	100		
134	26.8	17.5	36.3
91	22.1	14.6	30.4

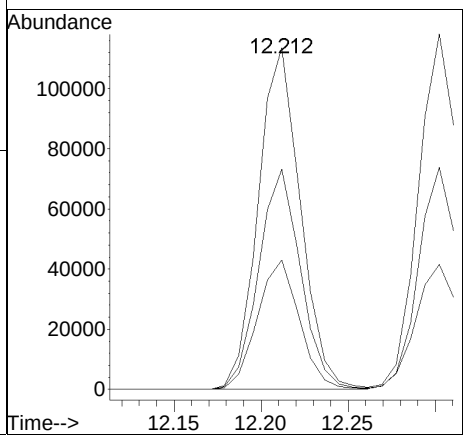


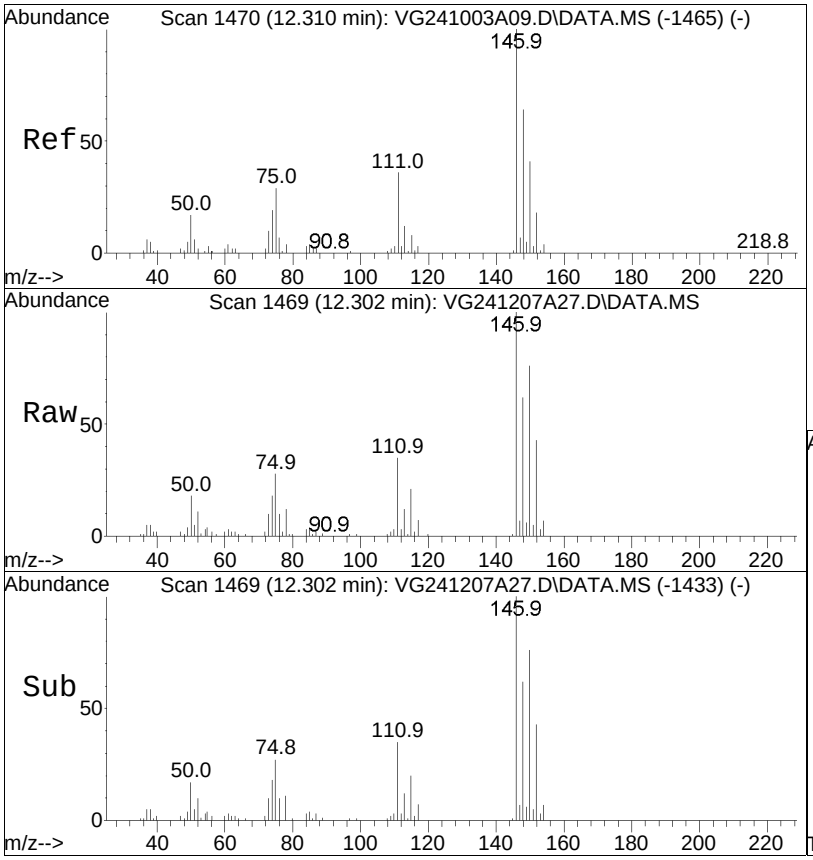


#100
1,3-Dichlorobenzene
Concen: 7.88 ug/L
RT: 12.212 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:146 Resp: 191379

Ion	Ratio	Lower	Upper
146	100		
111	37.8	24.4	50.6
148	64.0	41.0	85.2

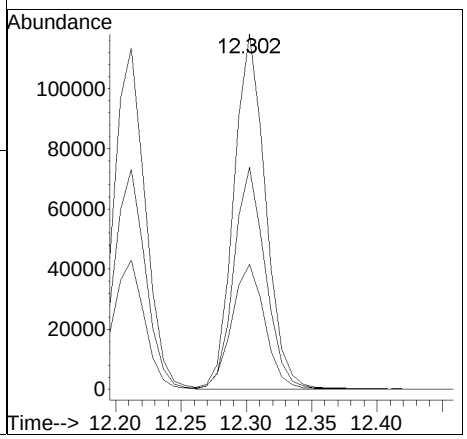


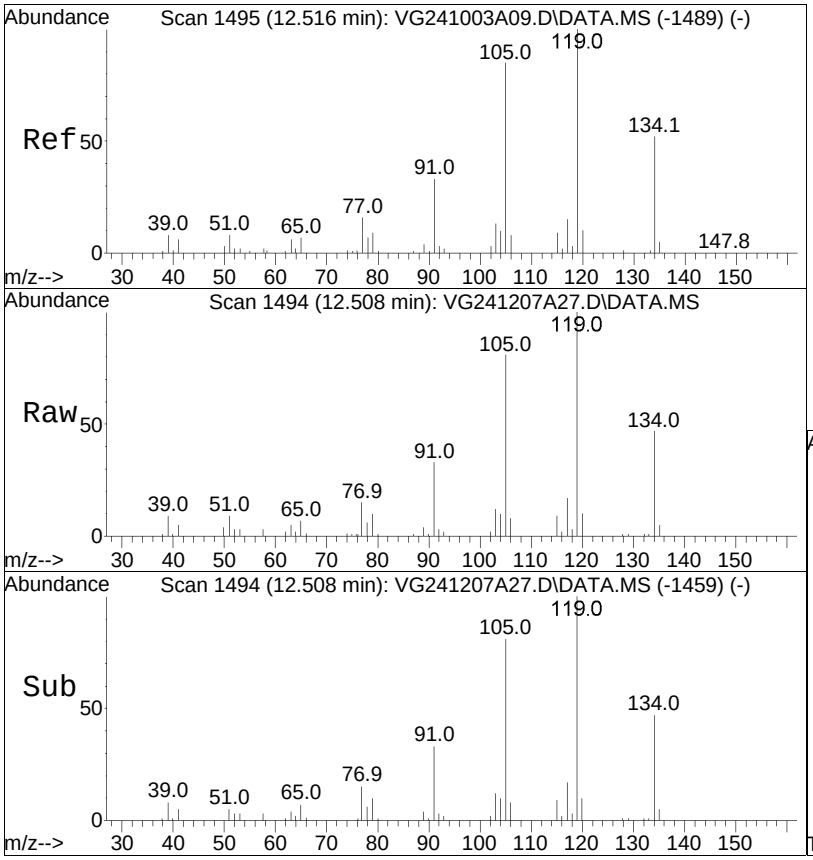


#101
1,4-Dichlorobenzene
Concen: 7.92 ug/L
RT: 12.302 min Scan# 1469
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:146 Resp: 199936

Ion	Ratio	Lower	Upper
146	100		
111	37.1	29.3	43.9
148	62.7	51.2	76.8

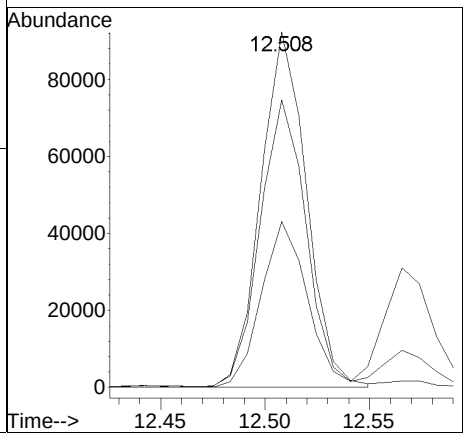


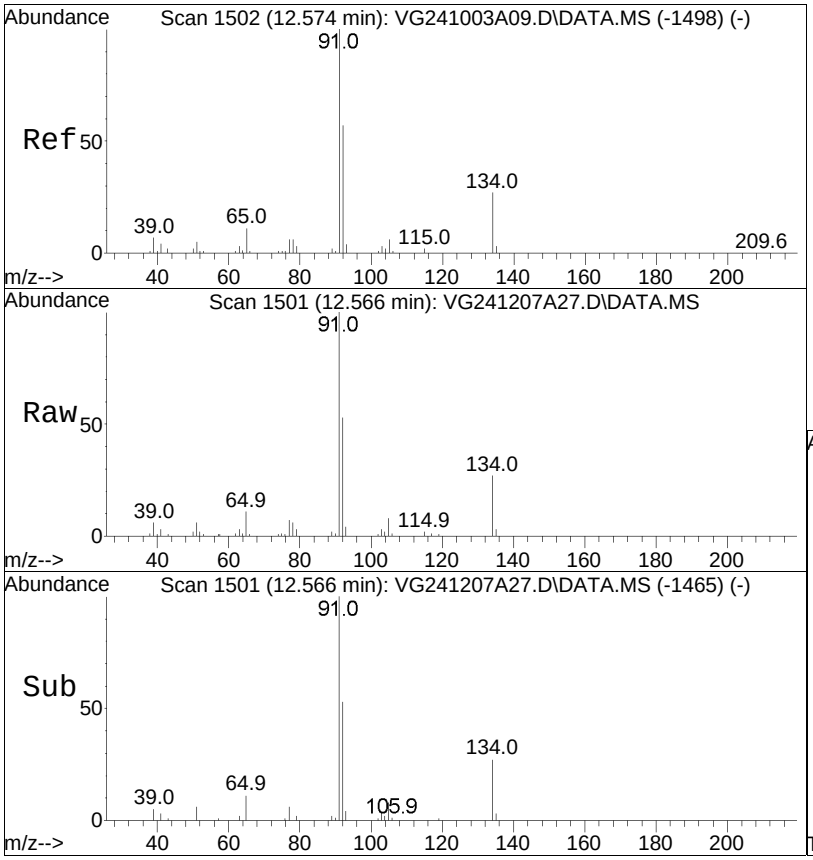


#102
p-Diethylbenzene
Concen: 6.25 ug/L
RT: 12.508 min Scan# 1494
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:119 Resp: 140795

Ion	Ratio	Lower	Upper
119	100		
105	80.9	53.9	112.1
134	47.0	32.0	66.6

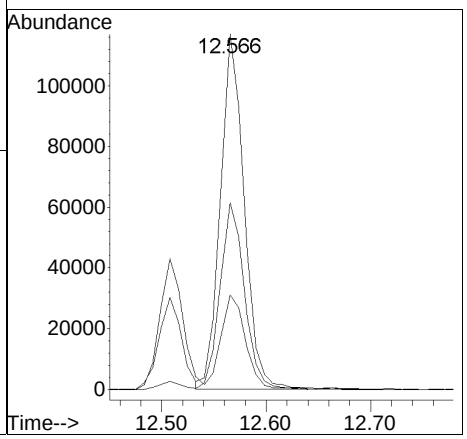


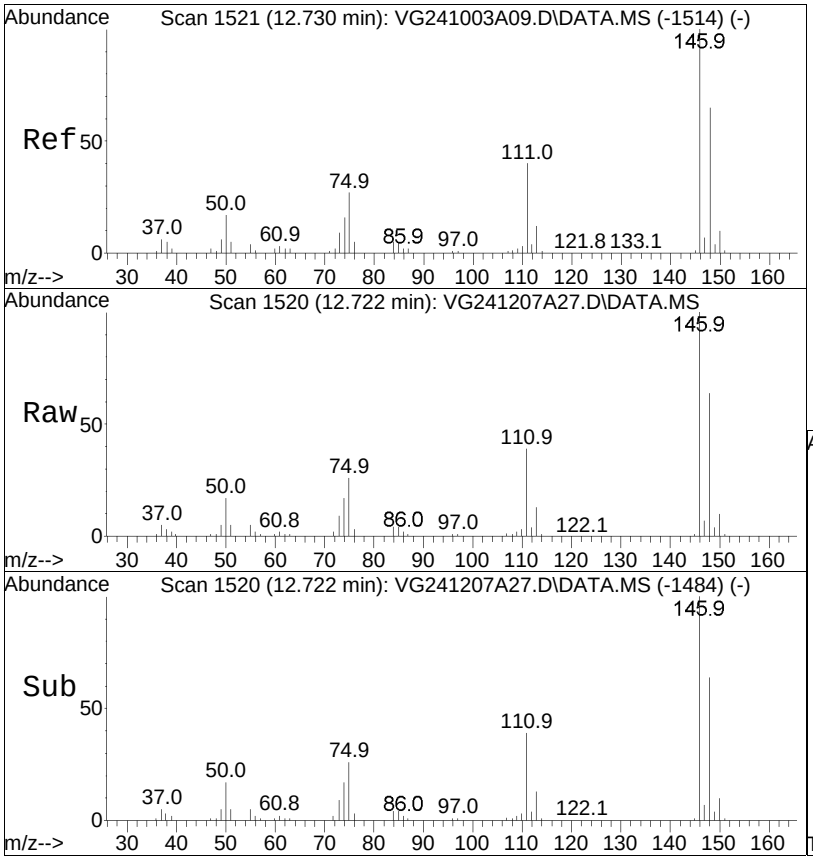


#103
n-Butylbenzene
Concen: 5.74 ug/L
RT: 12.566 min Scan# 1501
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion: 91 Resp: 185393

Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.8	65.8
134	27.5	22.0	33.0

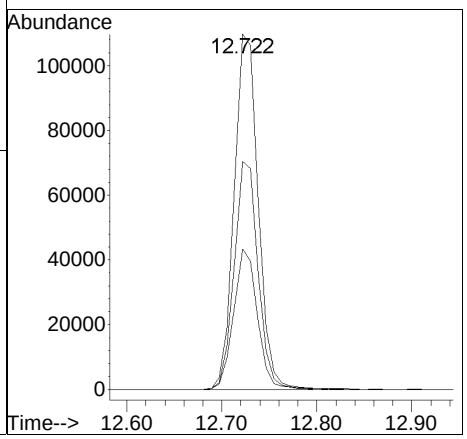


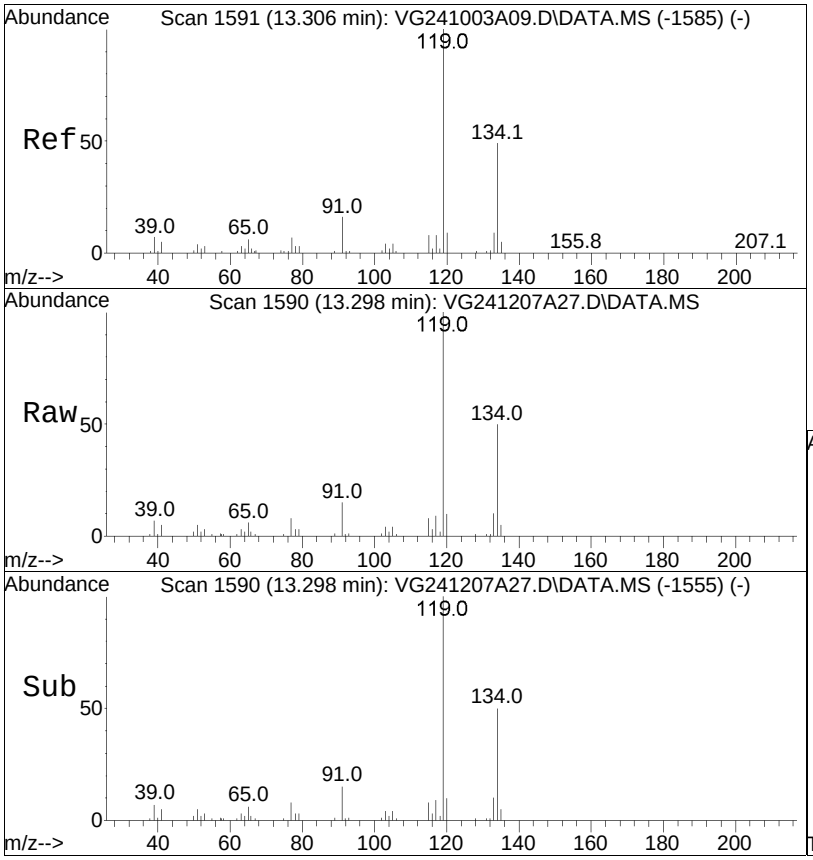


#104
1,2-Dichlorobenzene
Concen: 8.27 ug/L
RT: 12.722 min Scan# 1520
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:146 Resp: 193647

Ion	Ratio	Lower	Upper
146	100		
111	38.9	25.4	52.8
148	63.6	41.7	86.5

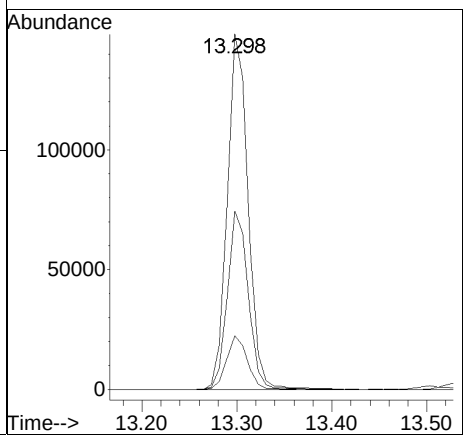


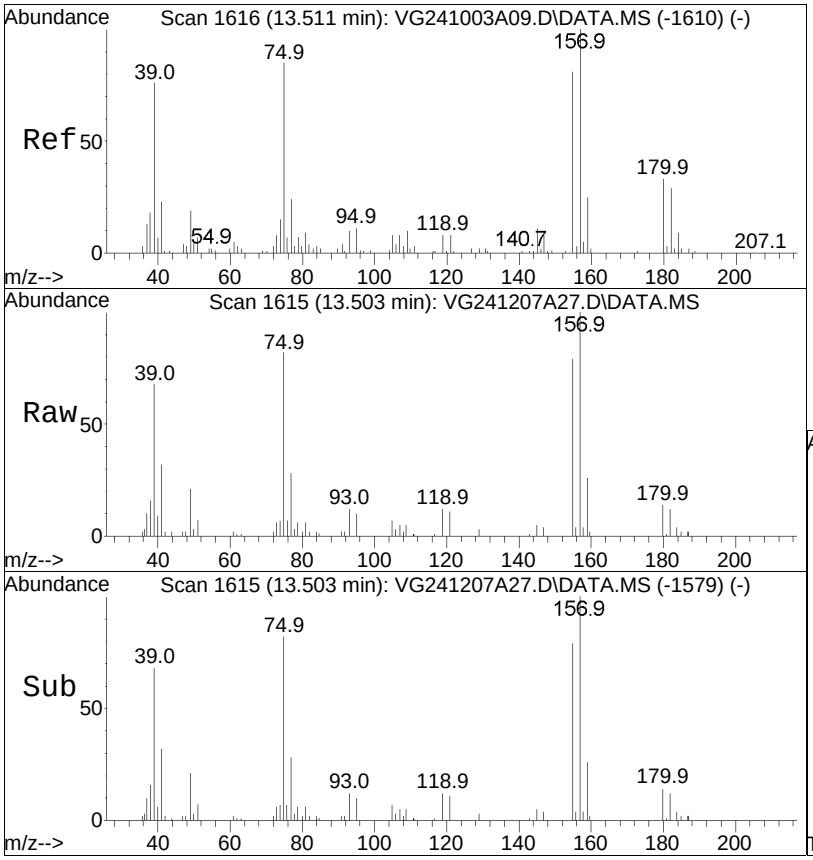


#105
1,2,4,5-Tetramethylbenzene
Concen: 7.12 ug/L
RT: 13.298 min Scan# 1590
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:119 Resp: 225479

Ion	Ratio	Lower	Upper
119	100		
134	50.4	32.7	67.9
91	15.1	9.9	20.7

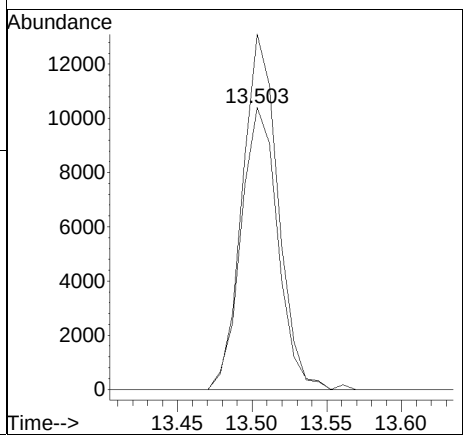


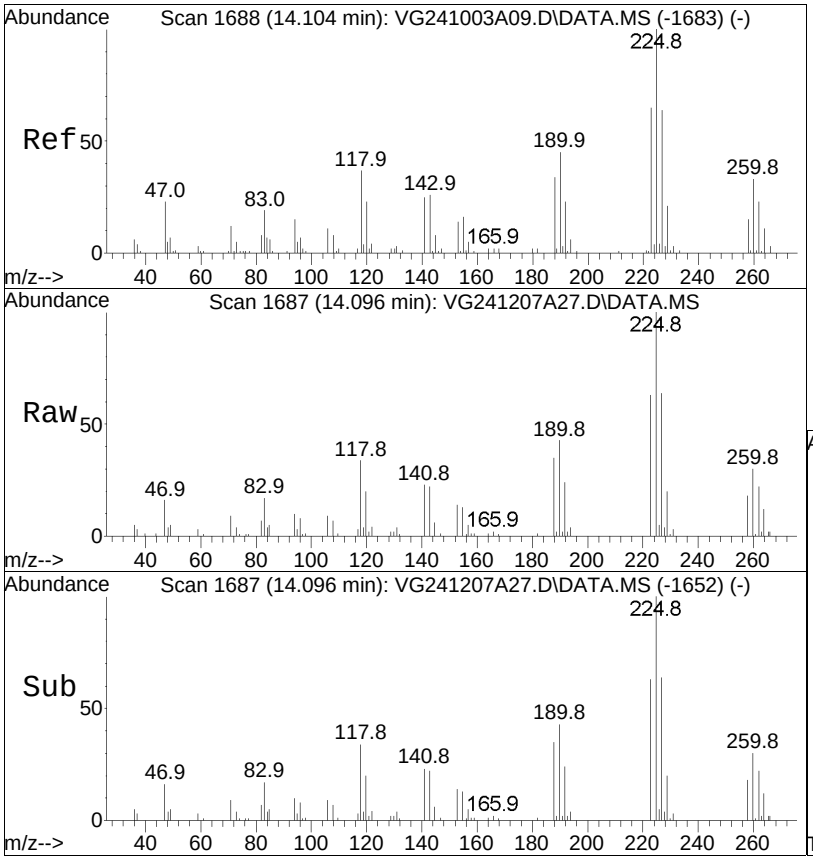


#106
1,2-Dibromo-3-chloropropane
Concen: 8.61 ug/L
RT: 13.503 min Scan# 1615
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:155 Resp: 17888

Ion	Ratio	Lower	Upper
155	100		
157	121.3	99.9	149.9

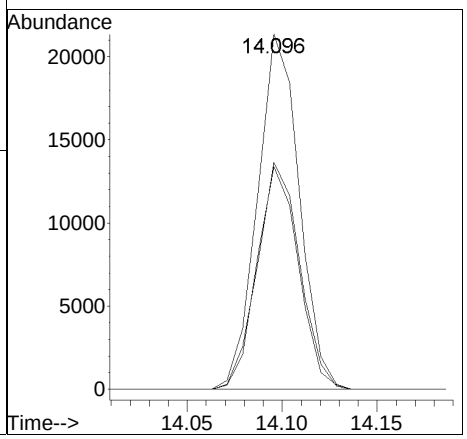


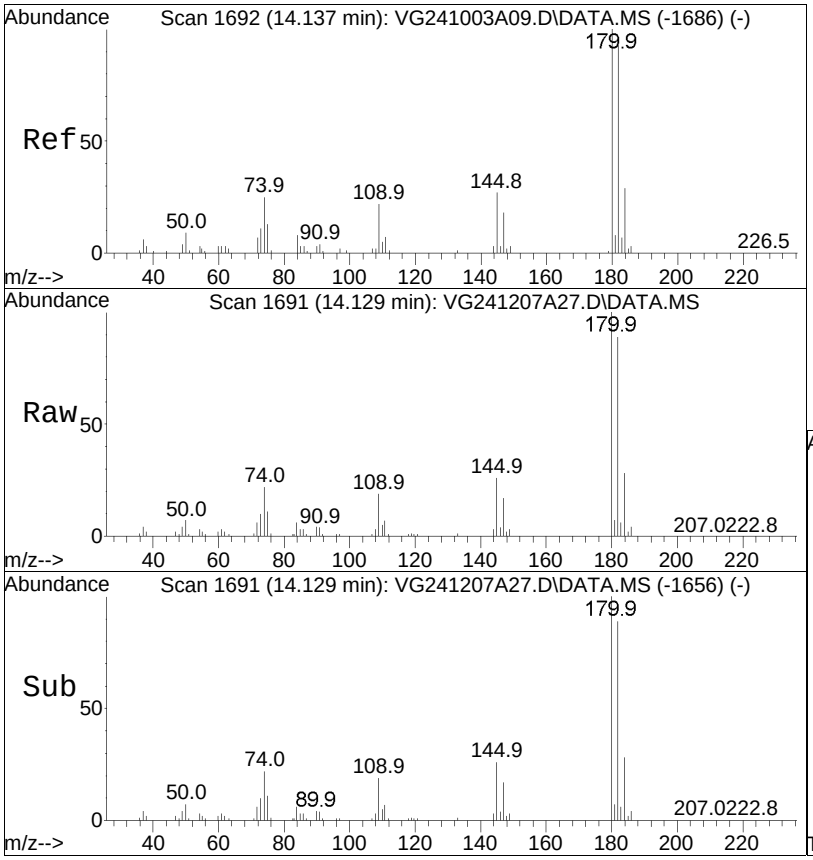


#108
Hexachlorobutadiene
Concen: 6.91 ug/L
RT: 14.096 min Scan# 1687
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:225 Resp: 32724

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.1	75.1
227	65.1	50.2	75.4

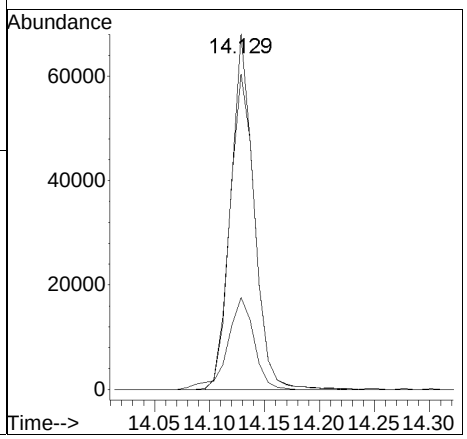


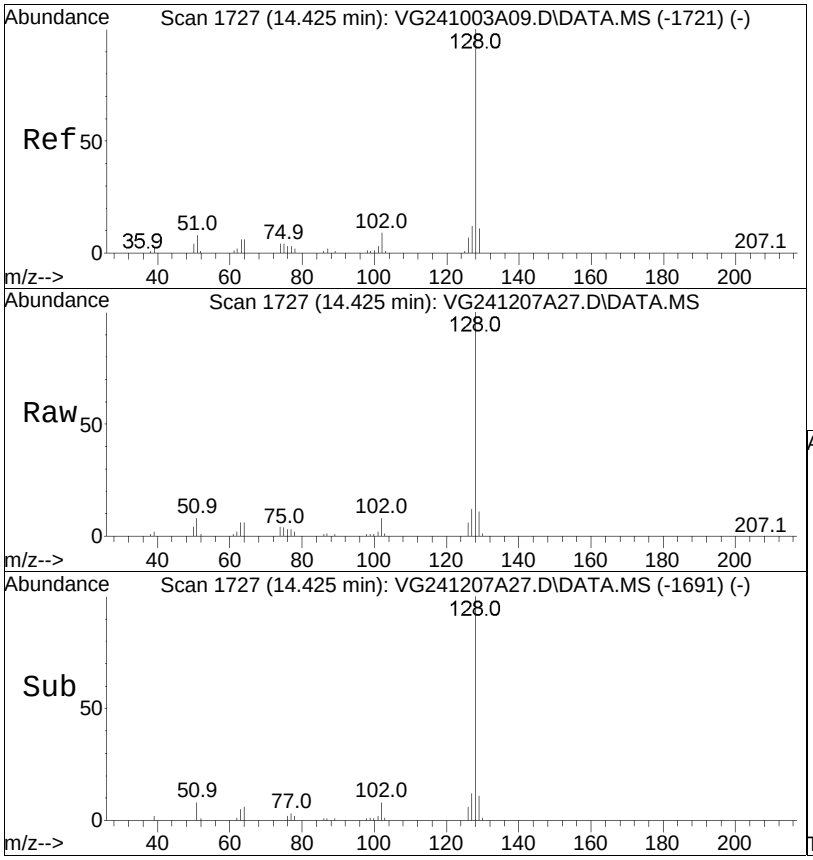


#109
1,2,4-Trichlorobenzene
Concen: 7.99 ug/L
RT: 14.129 min Scan# 1691
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:180 Resp: 99898

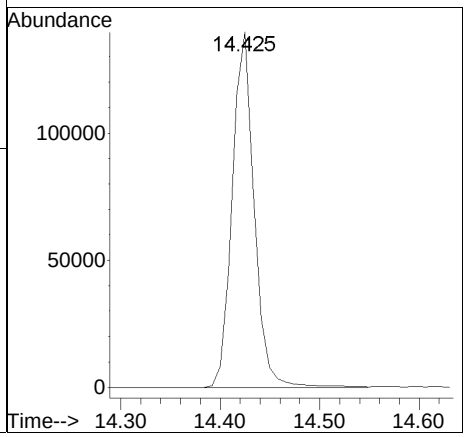
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	29.3	26.5	39.7

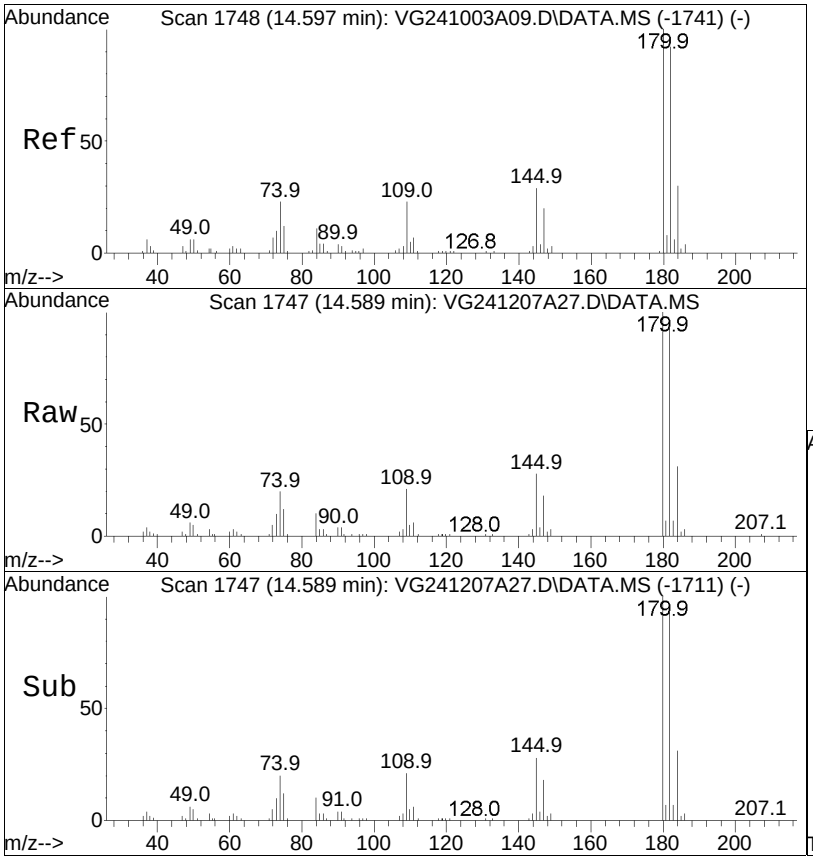




#110
Naphthalene
Concen: 8.10 ug/L
RT: 14.425 min Scan# 1727
Delta R.T. -0.000 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:128 Resp: 214473

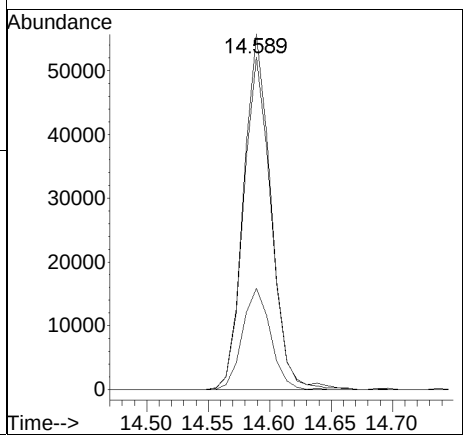




#111
1,2,3-Trichlorobenzene
Concen: 8.25 ug/L
RT: 14.589 min Scan# 1747
Delta R.T. -0.008 min
Lab File: VG241207A27.D
Acq: 7 Dec 2024 10:42 pm

Tgt Ion:180 Resp: 86335

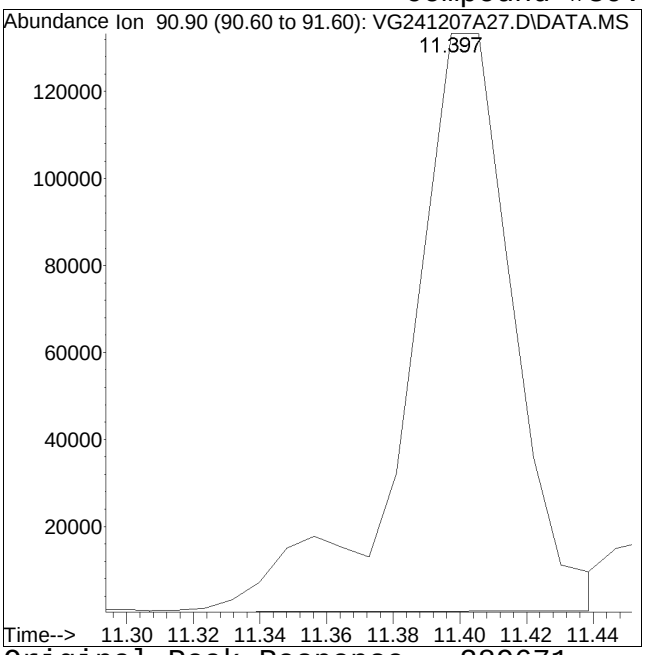
Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.0	115.4
145	29.0	24.1	36.1



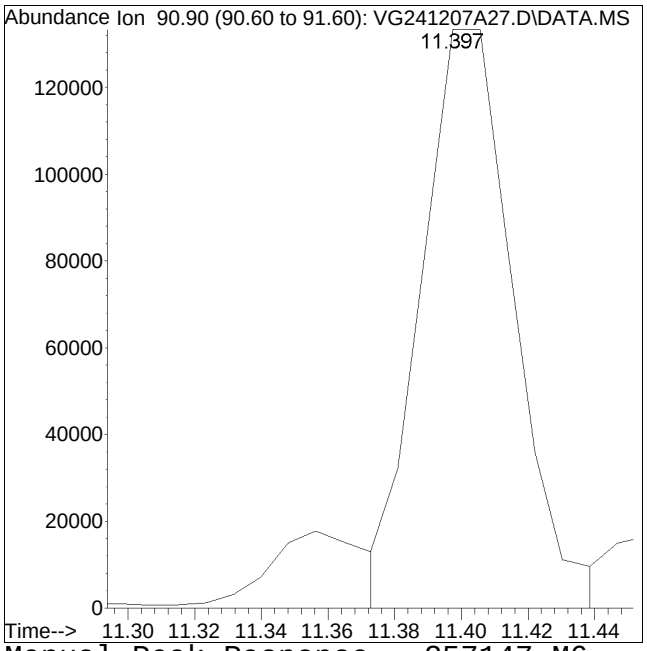
Manual Integration Report

Data Path	: K:\Gonzo\2024\241207A\	QMethod	: G_241003A_8260.m
Data File	: VG241207A27.D	Operator	: GONZO:MJV
Date Inj'd	: 12/7/2024 10:42 pm	Instrument	: Gonzo
Sample	: WG2006732-7,31,10,10,,a1	Quant Date	: 12/9/2024 7:35 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 289671



Manual Peak Response = 257147 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

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)

Dec 10 2024, 10:55 am

Work Group: WG2006732 for Department: 31 GC/MS - Volatiles

Created: 09-DEC-24 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2470744-01	2A	S	NYTCL-8260	WATER	DONE	U	1216	1210	S0	Vial-B
L2470744-02	2B	S	NYTCL-8260	WATER	DONE	U	1216	1210	S0	Vial-B
L2470744-03	3A	S	NYTCL-8260	WATER	DONE	U	1216	1210	S0	Vial-B
L2470744-04	3B	S	NYTCL-8260	WATER	DONE	U	1216	1210	S0	Vial-B
L2470744-05	4A	S	NYTCL-8260	WATER	DONE	U	1217	1210	S0	Vial-B
L2470744-06	4B	S	NYTCL-8260	WATER	DONE	U	1217	1210	S0	Vial-B
L2470744-07	5A	S	NYTCL-8260	WATER	DONE	U	1217	1210	S0	Vial-B
L2470744-08	5B	S	NYTCL-8260	WATER	DONE	U	1217	1210	S0	Vial-B
L2470744-09	6A	S	NYTCL-8260	WATER	DONE	U	1216	1210	S0	Vial-B
WG2006732-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2006732-10	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2006732-11	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2006732-12	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG2006732-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2006732-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2006732-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2006732-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG2006732-6	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG2006732-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				
WG2006732-8	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2006732-9	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG2006732-11	WG2006732-10
WG2006732-4	WG2006732-3
WG2006732-6	L2470744-04
WG2006732-7	L2470744-04

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 10 2024, 10:55 am

Work Group: WG2006760 for Department: 31 GC/MS - Volatiles

Created: 09-DEC-24 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2470744-10	6B	S	NYTCL-8260	WATER	DONE	U	1216	1210	S0	Vial-B
L2470744-11	7A	S	NYTCL-8260	WATER	DONE	U	1217	1210	S0	Vial-B
L2470744-12	7B	S	NYTCL-8260	WATER	DONE	U	1216	1210	S0	Vial-B
L2470744-13	8A	S	NYTCL-8260	WATER	DONE	U	1217	1210	S0	Vial-B
L2470744-14	8B	S	NYTCL-8260	WATER	DONE	U	1217	1210	S0	Vial-B
L2470744-15	9A	S	NYTCL-8260	WATER	DONE	U	1217	1210	S0	Vial-B
L2470744-16	9B	S	NYTCL-8260	WATER	DONE	U	1217	1210	S0	Vial-B
L2470744-17	10A	S	NYTCL-8260	WATER	DONE	U	1217	1210	S0	Vial-B
L2470744-18	10B	S	NYTCL-8260	WATER	DONE	U	1217	1210	S0	Vial-B
L2470744-19	DUP 001	S	NYTCL-8260	WATER	DONE	U	1216	1210	S0	Vial-B
L2470744-21	FIELD BLANK	S	NYTCL-8260	WATER	DONE	U	1217	1210	S0	Vial-B
L2471006-01	PT-MW03_120424	S	NYTCL-8260	WATER	SEC	U	1218	1211	S0	Vial-B
L2471006-03	MW27_120424	S	NYTCL-8260	WATER	SEC	U	1218	1211	S0	Vial-B
L2471006-04	PT-MW02_120424	S	NYTCL-8260	WATER	SEC	U	1218	1211	S0	Vial-B
L2471006-05	GWFB01_120424	S	NYTCL-8260	WATER	SEC	U	1218	1211	S0	Vial-B
L2471006-06	GWTB01_120424	S	NYTCL-8260	WATER	SEC	U	1218	1211	S0	Vial-B
WG2006760-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2006760-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2006760-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2006760-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2006760-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG2006760-4 WG2006760-3

Method

Inst: Gonzo BFB: V10678 GC 8260_RTX_VMS

Initials: TMS IS/SS: V10699 Autosampler: 8260water

Date: **10/03/24** ICAL: V10683C,V10712 Concentrator: 8260AA

Run: **A** ICV: V10703,V10693,V10709,V10695,V10701,V10653,V10654 QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE	pH<2
1	VG241003ABF2	BFB TUNE	
1	VG241003A01	BLK	
2	VG241003A02	BLK	
3	VG241003A03	I8260STD0.19PPB	
4	VG241003A04	I8260STD0.19PPB	
5	VG241003A05	I8260STD0.5PPB	
6	VG241003A06	I8260STD0.5PPB	
7	VG241003A07	I8260STD2PPB	
8	VG241003A08	I8260STD2PPB	
9	VG241003A09	I8260STD10PPB	
10	VG241003A10	I8260STD30PPB	
11	VG241003A11	I8260STD80PPB	
12	VG241003A12	I8260STD120PPB	
13	VG241003A13	I8260STD200PPB	
14	VG241003A14	BLK	
15	VG241003A15	BLK	
16	VG241003A16	BLK	
17	VG241003A17	BLK	
18	VG241003A18	C8260STD10PPB	
19	VG241003A19	C8260STD10PPB	
20	VG241003A20	BLK	
21	VG241003A21	BLK	
22	VG241003A22	METHOD BLK	
23	VG241003A23	MDL 0.19PPB	
24	VG241003A24	MDL 0.5PPB	
25	VG241003A25	MDL 2PPB	
26	VG241003A26	BLK	

Inst: Gonzo BFB: V10797 Method GC 8260_RTX_VMS

Initials: PID IS/SS: V10826 Autosampler: 8260water

Date: **12/06/24** ICAL: V10807B,V10828 Concentrator: 8260AA

Run: **A** QC: Seq:

Vial	DATA FILE	SAMPLE			pH<2
1	VG241206ABF1	BFB TUNE	07:43		
1	VG241206A01	8260 CCAL	QC FAILS		
2	VG241206A02	8260 CCAL	LCS		
3	VG241206A03	8260 CCAL	LCSD		
4	VG241206A04	BLK			
5	VG241206A05	METHOD BLK			
6	VG241206A06	L2470744-01,31,10,10,,A		NYTCL	pH<2
7	VG241206A07	L2470744-02,31,10,10,,A		NYTCL	pH<2
8	VG241206A08	L2470744-03,31,10,10,,A		NYTCL	pH<2
9	VG241206A09	L2470744-04,31,10,10,,A		NYTCL	pH<2
10	VG241206A10	L2470744-05,31,10,10,,A		NYTCL	pH<2
11	VG241206A11	L2470744-06,31,10,10,,A		NYTCL	pH<2
12	VG241206A12	L2470744-07,31,10,10,,A		NYTCL	pH<2
13	VG241206A13	L2470744-08,31,10,10,,A		NYTCL	pH<2
14	VG241206A14	L2470744-09,31,10,10,,A		NYTCL	pH<2
15	VG241206A15	L2470744-10,31,10,10,,A		NYTCL	pH<2
16	VG241206A16	L2470744-11,31,10,10,,A		NYTCL	pH<2
17	VG241206A17	L2470744-12,31,10,10,,A		NYTCL	pH<2
18	VG241206A18	L2470744-13,31,10,10,,A		NYTCL	pH<2
19	VG241206A19	HSTD			
20	VG241206A20	BLK			
21	VG241206A21	BLK			

Inst: Gonzo BFB: V10797 Method GC 8260_RTX_VMS
Initials: LAC IS/SS: V10826 Autosampler: 8260water
Date: **12/07/24** ICAL: V10807B,V10828 Concentrator: 8260AA
Run: **A** QC: Seq:

Vial	DATA FILE	SAMPLE			pH<2
1	VG241207ABF2	BFB TUNE			
1	VG241207A01	8260 CCAL			
2	VG241207A02	8260 CCAL			
3	VG241207A03	8260 CCAL			
4	VG241207A04	BLK			
5	VG241207A05	METHOD BLK			
6	VG241207A06	I2470744-21,31,10,10,,a	NYTCL	FB	pH<2
7	VG241207A07	I2470744-10,31,10,10,,c	NYTCL		pH<2
8	VG241207A08	I2470744-11,31,10,10,,c	NYTCL		pH<2
9	VG241207A09	I2470744-12,31,10,10,,c	NYTCL		pH<2
10	VG241207A10	I2470744-13,31,10,10,,c	NYTCL		pH<2
11	VG241207A11	I2470744-14,31,10,10,,a	NYTCL		pH<2
12	VG241207A12	I2470744-15,31,10,10,,a	NYTCL		pH<2
13	VG241207A13	I2470744-16,31,10,10,,a	NYTCL		pH<2
14	VG241207A14	I2470744-17,31,10,10,,a	NYTCL		pH<2
15	VG241207A15	I2470744-18,31,10,10,,a	NYTCL		pH<2
16	VG241207A16	I2470744-19,31,10,10,,a	NYTCL		pH<2
17	VG241207A17	I2471006-05,31,10,10,,a	NYTCL	FB	pH<2
18	VG241207A18	I2471006-06,31,10,10,,a	NYTCL	TB	pH<2
19	VG241207A19	I2471006-01,31,10,10,,a	NYTCL		pH<2
20	VG241207A20	I2471006-03,31,10,10,,a	NYTCL		pH<2
21	VG241207A21	L2471006-04d,31,1.0,10,,A	NYTCL		pH<2
22	VG241207A22	L2471006-07d,31,2.0,10,,A	NYTCL		pH<2
23	VG241207A23	L2471006-02d,31,2.0,10,,A	NYTCL		pH<2
24	VG241207A24	L2471006-02MS,31,2.0,10,,A	NYTCL		pH<2
25	VG241207A25	L2471006-02MSD,31,2.0,10,,A	NYTCL		pH<2
26	VG241207A26	I2470744-04MS,31,10,10,,a2	NYTCL		pH<2
27	VG241207A27	I2470744-04MSD,31,10,10,,a1	NYTCL		pH<2
28	VG241207A28	HSTD			
29	VG241207A29	BLK			
30	VG241207A30	BLK			

Inst: Gonzo BFB: V10797 Method GC 8260_RTX_VMS

Initials: LAC IS/SS: V10826 Autosampler: 8260water

Date: **12/07/24** ICAL: V10807B,V10828 Concentrator: 8260AA

Run: **A** QC: Seq:

Vial	DATA FILE	SAMPLE			pH<2
1	VG241207ABF2	BFB TUNE			
1	VG241207A01	8260 CCAL			
2	VG241207A02	8260 CCAL			
3	VG241207A03	8260 CCAL			
4	VG241207A04	BLK			
5	VG241207A05	METHOD BLK			
6	VG241207A06	I2470744-21,31,10,10,,a	NYTCL	FB	pH<2
7	VG241207A07	I2470744-10,31,10,10,,c	NYTCL		pH<2
8	VG241207A08	I2470744-11,31,10,10,,c	NYTCL		pH<2
9	VG241207A09	I2470744-12,31,10,10,,c	NYTCL		pH<2
10	VG241207A10	I2470744-13,31,10,10,,c	NYTCL		pH<2
11	VG241207A11	I2470744-14,31,10,10,,a	NYTCL		pH<2
12	VG241207A12	I2470744-15,31,10,10,,a	NYTCL		pH<2
13	VG241207A13	I2470744-16,31,10,10,,a	NYTCL		pH<2
14	VG241207A14	I2470744-17,31,10,10,,a	NYTCL		pH<2
15	VG241207A15	I2470744-18,31,10,10,,a	NYTCL		pH<2
16	VG241207A16	I2470744-19,31,10,10,,a	NYTCL		pH<2
17	VG241207A17	I2471006-05,31,10,10,,a	NYTCL	FB	pH<2
18	VG241207A18	I2471006-06,31,10,10,,a	NYTCL	TB	pH<2
19	VG241207A19	I2471006-01,31,10,10,,a	NYTCL		pH<2
20	VG241207A20	I2471006-03,31,10,10,,a	NYTCL		pH<2
21	VG241207A21	L2471006-04d,31,1.0,10,,A	NYTCL		pH<2
22	VG241207A22	L2471006-07d,31,2.0,10,,A	NYTCL		pH<2
23	VG241207A23	L2471006-02d,31,2.0,10,,A	NYTCL		pH<2
24	VG241207A24	L2471006-02MS,31,2.0,10,,A	NYTCL		pH<2
25	VG241207A25	L2471006-02MSD,31,2.0,10,,A	NYTCL		pH<2
26	VG241207A26	I2470744-04MS,31,10,10,,a2	NYTCL		pH<2
27	VG241207A27	I2470744-04MSD,31,10,10,,a1	NYTCL		pH<2
28	VG241207A28	HSTD			
29	VG241207A29	BLK			
30	VG241207A30	BLK			

ATTACHMENT E

P.W. GROSSER CONSULTING, INC • P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, PC
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Semivolatiles Data- Method 8270

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2470744
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
2A (L2470744-01)	45	33	81	69	70	84	0
2B (L2470744-02)	45	32	74	71	71	85	0
3A (L2470744-03)	47	29	72	65	64	77	0
3B (L2470744-04)	37	29	70	64	70	80	0
4A (L2470744-05)	40	29	73	64	65	81	0
4B (L2470744-06)	44	32	77	74	68	89	0
5A (L2470744-07)	40	29	76	67	59	79	0
5B (L2470744-08)	38	31	78	71	63	86	0
6A (L2470744-09)	44	30	81	69	71	85	0
6B (L2470744-10)	37	29	68	65	58	78	0
7A (L2470744-11)	51	37	80	71	90	86	0
7B (L2470744-12)	46	30	80	74	78	90	0
8A (L2470744-13)	44	31	80	71	67	89	0
8B (L2470744-14)	39	27	74	67	52	83	0
9A (L2470744-15)	36	28	80	73	60	89	0
9B (L2470744-16)	45	34	82	73	71	85	0
10A (L2470744-17)	42	31	88	82	69	96	0
10B (L2470744-18)	36	28	77	72	57	85	0
DUP 001 (L2470744-19)	42	30	80	75	64	87	0
FIELD BLANK (L2470744-21)	40	27	63	61	62	77	0
WG2005369-1BLANK	52	37	80	79	80	89	0
WG2005369-2LCS	58	41	87	78	94	90	0
WG2005369-3LCSD	46	33	74	69	91	85	0
3BMS	53	38	83	73	91	86	0
3BMSD	55	38	78	76	91	86	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

FORM II NYTCL-8270-RVT

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2005369-2 **Analysis Date** : 12/05/24 11:56	**File ID**	: 005369-2
LCSD Sample ID	: WG2005369-3 **Analysis Date** : 12/05/24 12:19	**File ID**	: 005369-3

	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	15.	77		20	14.	72	7	37-111	30
1,2,4-Trichlorobenzene	20	13.	65		20	12.	59	10	39-98	30
Hexachlorobenzene	20	17.	84		20	17.	87	4	40-140	30
Bis(2-chloroethyl)ether	20	18.	90		20	15.	73	21	40-140	30
2-Chloronaphthalene	20	15.	74		20	14.	68	8	40-140	30
1,2-Dichlorobenzene	20	13.	67		20	13.	64	5	40-140	30
1,3-Dichlorobenzene	20	13.	65		20	12.	60	8	40-140	30
1,4-Dichlorobenzene	20	13.	66		20	12.	60	10	36-97	30
3,3'-Dichlorobenzidine	20	3.4	17	Q	20	18.	90	136 Q	40-140	30
2,4-Dinitrotoluene	20	19.	96		20	19.	94	2	48-143	30
2,6-Dinitrotoluene	20	19.	97		20	18.	89	9	40-140	30
Fluoranthene	20	20.	99		20	19.	95	4	40-140	30
4-Chlorophenyl phenyl ether	20	16.	81		20	16.	78	4	40-140	30
4-Bromophenyl phenyl ether	20	17.	85		20	17.	84	1	40-140	30
Bis(2-chloroisopropyl)ether	20	18.	90		20	15.	74	20	40-140	30
Bis(2-chloroethoxy)methane	20	18.	93		20	16.	82	13	40-140	30
Hexachlorobutadiene	20	12.	61		20	11.	57	7	40-140	30
Hexachlorocyclopentadiene	20	5.1	25	Q	20	4.7	24	Q 4	40-140	30
Hexachloroethane	20	13.	64		20	12.	58	10	40-140	30
Isophorone	20	17.	86		20	15.	77	11	40-140	30
Naphthalene	20	14.	72		20	13.	66	9	40-140	30
Nitrobenzene	20	17.	85		20	15.	76	11	40-140	30
NDPA/DPA	20	16.	81		20	17.	84	4	40-140	30
n-Nitrosodi-n-propylamine	20	18.	90		20	15.	77	16	29-132	30
Bis(2-ethylhexyl)phthalate	20	21.	103		20	20.	102	1	40-140	30
Butyl benzyl phthalate	20	23.	115		20	22.	111	4	40-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2005369-2 **Analysis Date** : 12/05/24 11:56	**File ID**	: 005369-2
LCSD Sample ID	: WG2005369-3 **Analysis Date** : 12/05/24 12:19	**File ID**	: 005369-3

	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
Di-n-butylphthalate	20	21.	105	20	21.	104	1	40-140	30
Di-n-octylphthalate	20	20.	103	20	20.	102	1	40-140	30
Diethyl phthalate	20	18.	90	20	18.	88	2	40-140	30
Dimethyl phthalate	20	19.	96	20	18.	89	8	40-140	30
Benzo(a)anthracene	20	18.	93	20	18.	92	1	40-140	30
Benzo(a)pyrene	20	20.	98	20	20.	99	1	40-140	30
Benzo(b)fluoranthene	20	20.	101	20	20.	100	1	40-140	30
Benzo(k)fluoranthene	20	20.	98	20	20.	99	1	40-140	30
Chrysene	20	19.	93	20	18.	91	2	40-140	30
Acenaphthylene	20	16.	79	20	15.	74	7	45-123	30
Anthracene	20	18.	92	20	17.	87	6	40-140	30
Benzo(ghi)perylene	20	19.	94	20	18.	92	2	40-140	30
Fluorene	20	16.	82	20	16.	81	1	40-140	30
Phenanthrene	20	18.	91	20	18.	88	3	40-140	30
Dibenzo(a,h)anthracene	20	20.	98	20	19.	96	2	40-140	30
Indeno(1,2,3-cd)pyrene	20	19.	95	20	18.	92	3	40-140	30
Pyrene	20	20.	100	20	19.	96	4	26-127	30
Biphenyl	20	18.	92	20	17.	85	8	40-140	30
4-Chloroaniline	20	10.	52	20	14.	72	32 Q	40-140	30
2-Nitroaniline	20	18.	88	20	18.	91	3	52-143	30
3-Nitroaniline	20	8.8	44	20	18.	90	69 Q	25-145	30
4-Nitroaniline	20	14.	71	20	19.	95	29	51-143	30
Dibenzofuran	20	16.	82	20	15.	75	9	40-140	30
2-Methylnaphthalene	20	14.	73	20	13.	67	9	40-140	30
1,2,4,5-Tetrachlorobenzene	20	16.	80	20	14.	70	13	2-134	30
Acetophenone	20	22.	109	20	19.	93	16	39-129	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2005369-2 **Analysis Date** : 12/05/24 11:56	**File ID**	: 005369-2
LCSD Sample ID	: WG2005369-3 **Analysis Date** : 12/05/24 12:19	**File ID**	: 005369-3

	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
2,4,6-Trichlorophenol	20	18.	91	20	17.	87	4	30-130	30
p-Chloro-m-cresol	20	18.	90	20	18.	89	1	23-97	30
2-Chlorophenol	20	17.	86	20	14.	72	18	27-123	30
2,4-Dichlorophenol	20	18.	92	20	17.	84	9	30-130	30
2,4-Dimethylphenol	20	13.	66	20	11.	56	16	30-130	30
2-Nitrophenol	20	18.	90	20	17.	85	6	30-130	30
4-Nitrophenol	20	14.	70	20	13.	65	7	10-80	30
2,4-Dinitrophenol	20	18.	92	20	15.	77	18	20-130	30
4,6-Dinitro-o-cresol	20	21.	106	20	19.	96	10	20-164	30
Pentachlorophenol	20	20.	99	20	19.	95	4	9-103	30
Phenol	20	8.7	44	20	7.2	36	20	12-110	30
2-Methylphenol	20	16.	79	20	13.	66	18	30-130	30
3-Methylphenol/4-Methylphenol	20	15.	74	20	13.	67	10	30-130	30
2,4,5-Trichlorophenol	20	19.	95	20	18.	90	5	30-130	30
Benzoic Acid	20	9.0	45	20	4.7	23	65 Q	10-164	30
Benzyl Alcohol	20	16.	81	20	14.	70	15	26-116	30
Carbazole	20	20.	98	20	20.	98	0	55-144	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: 3B	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2470744-04	**Analysis Date**	: 12/05/24 14:11
Matrix Spike	: WG2005369-4	**MS Analysis Date**	: 12/05/24 14:33
Matrix Spike Dup	: WG2005369-5	**MSD Analysis Date**	: 12/05/24 14:56

		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
1,2,4-Trichlorobenzene	ND	20	13.	65		20	14.	70		7	39-98	30
Bis(2-chloroethyl)ether	ND	20	18.	90		20	17.	85		6	40-140	30
1,2-Dichlorobenzene	ND	20	13.	65		20	15.	75		14	40-140	30
1,3-Dichlorobenzene	ND	20	13.	65		20	14.	70		7	40-140	30
1,4-Dichlorobenzene	ND	20	13.	65		20	14.	70		7	36-97	30
3,3'-Dichlorobenzidine	ND	20	18.	90		20	16.	80		12	40-140	30
2,4-Dinitrotoluene	ND	20	20.	100		20	20.	100		0	48-143	30
2,6-Dinitrotoluene	ND	20	18.	90		20	19.	95		5	40-140	30
4-Chlorophenyl phenyl ether	ND	20	16.	80		20	17.	85		6	40-140	30
4-Bromophenyl phenyl ether	ND	20	16.	80		20	18.	90		12	40-140	30
Bis(2-chloroisopropyl)ether	ND	20	17.	85		20	17.	85		0	40-140	30
Bis(2-chloroethoxy)methane	ND	20	19.	95		20	18.	90		5	40-140	30
Hexachlorocyclopentadiene	ND	20	4.5J	23	Q	20	4.9J	25	Q	9	40-140	30
Isophorone	ND	20	17.	85		20	17.	85		0	40-140	30
Nitrobenzene	ND	20	16.	80		20	18.	90		12	40-140	30
NDPA/DPA	ND	20	17.	85		20	18.	90		6	40-140	30
n-Nitrosodi-n-propylamine	ND	20	18.	90		20	17.	85		6	29-132	30
Bis(2-ethylhexyl)phthalate	ND	20	21.	110		20	21.	110		0	40-140	30
Butyl benzyl phthalate	ND	20	22.	110		20	22.	110		0	40-140	30
Di-n-butylphthalate	ND	20	22.	110		20	21.	110		5	40-140	30
Di-n-octylphthalate	ND	20	21.	110		20	21.	110		0	40-140	30
Diethyl phthalate	ND	20	18.	90		20	19.	95		5	40-140	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: 3B	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2470744-04	**Analysis Date**	: 12/05/24 14:11
Matrix Spike	: WG2005369-4	**MS Analysis Date**	: 12/05/24 14:33
Matrix Spike Dup	: WG2005369-5	**MSD Analysis Date**	: 12/05/24 14:56

		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
Dimethyl phthalate	ND	20	18.	90	20	18.	90	0	40-140	30
Biphenyl	ND	20	19.	95	20	19.	95	0	40-140	30
4-Chloroaniline	ND	20	15.	75	20	14.	70	7	40-140	30
2-Nitroaniline	ND	20	18.	90	20	20.	100	11	52-143	30
3-Nitroaniline	ND	20	18.	90	20	17.	85	6	25-145	30
4-Nitroaniline	ND	20	19.	95	20	20.	100	5	51-143	30
Dibenzofuran	ND	20	16.	80	20	17.	85	6	40-140	30
1,2,4,5-Tetrachlorobenzene	ND	20	15.	75	20	17.	85	13	2-134	30
Acetophenone	ND	20	21.	110	20	22.	110	5	39-129	30
2,4,6-Trichlorophenol	ND	20	18.	90	20	18.	90	0	30-130	30
p-Chloro-m-cresol	ND	20	18.	90	20	18.	90	0	23-97	30
2-Chlorophenol	ND	20	16.	80	20	16.	80	0	27-123	30
2,4-Dichlorophenol	ND	20	18.	90	20	18.	90	0	30-130	30
2,4-Dimethylphenol	ND	20	12.	60	20	11.	55	9	30-130	30
2-Nitrophenol	ND	20	18.	90	20	18.	90	0	30-130	30
4-Nitrophenol	ND	20	13.	65	20	13.	65	0	10-80	30
2,4-Dinitrophenol	ND	20	16.J	80	20	18.J	90	12	20-130	30
4,6-Dinitro-o-cresol	ND	20	20.	100	20	21.	110	5	20-164	30
Phenol	ND	20	8.8	44	20	9.2	46	4	12-110	30
2-Methylphenol	ND	20	15.	75	20	15.	75	0	30-130	30
3-Methylphenol/4-Methylphenol	ND	20	15.	75	20	15.	75	0	30-130	30
2,4,5-Trichlorophenol	ND	20	18.	90	20	19.	95	5	30-130	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: 3B	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2470744-04	**Analysis Date**	: 12/05/24 14:11
Matrix Spike	: WG2005369-4	**MS Analysis Date**	: 12/05/24 14:33
Matrix Spike Dup	: WG2005369-5	**MSD Analysis Date**	: 12/05/24 14:56

		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
Benzoic Acid	ND	20	8.6J	43	20	11.J	55	24	10-164	30
Benzyl Alcohol	ND	20	16.	80	20	15.	75	6	26-116	30
Carbazole	ND	20	20.	100	20	20.	100	0	55-144	30

Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2005369-1	**Lab File ID**	: 005369-1
Instrument ID	: DAKOTA	**Extraction Date**	: 12/04/24
Matrix	: WATER	**Analysis Date**	: 12/05/24 12:41
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2005369-2LCS	WG2005369-2	12/05/24 11:56
WG2005369-3LCSD	WG2005369-3	12/05/24 12:19
2A	L2470744-01	12/05/24 13:04
2B	L2470744-02	12/05/24 13:26
3A	L2470744-03	12/05/24 13:49
3B	L2470744-04	12/05/24 14:11
3BMS	WG2005369-4	12/05/24 14:33
3BMSD	WG2005369-5	12/05/24 14:56
4A	L2470744-05	12/05/24 15:19
4B	L2470744-06	12/05/24 15:41
5A	L2470744-07	12/05/24 16:03
5B	L2470744-08	12/05/24 16:26
6A	L2470744-09	12/05/24 16:49
6B	L2470744-10	12/05/24 17:11
7A	L2470744-11	12/05/24 17:34
7B	L2470744-12	12/05/24 17:56
9A	L2470744-15	12/06/24 05:54
9B	L2470744-16	12/06/24 06:17
10A	L2470744-17	12/06/24 06:40
10B	L2470744-18	12/06/24 07:02
DUP 001	L2470744-19	12/06/24 07:25
FIELD BLANK	L2470744-21	12/06/24 07:48
8A	L2470744-13	12/06/24 14:00
8B	L2470744-14	12/06/24 14:23

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: DAKOTA	**Analysis Date**	: 12/05/24 06:18
Tune Standard	: WG2005564-1	**Tune File ID**	: DEG1205_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	36.4
68	Less than 2.0% of mass 69	0.2 (.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	46.3
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	27.2
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than 24% of mass 442	17.9
442	Base Peak, or >50% of mass 198	85.2
443	15.0 - 24.0% of mass 442	16.9 (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
WG2005564-6TFACTOR-B	WG2005564-6	DEG1205	12/05/24 06:18
WG2005564-7TFACTOR-P	WG2005564-7	DEG1205	12/05/24 06:18
WG2005564-3CCAL	WG2005564-3	ABN1205	12/05/24 06:41
WG2005564-4CCAL	WG2005564-4	AP91205	12/05/24 07:03
WG2005564-5CCAL	WG2005564-5	ADP1205	12/05/24 07:26
WG2005369-2LCS	WG2005369-2	005369-2	12/05/24 11:56
WG2005369-3LCSD	WG2005369-3	005369-3	12/05/24 12:19
WG2005369-1BLANK	WG2005369-1	005369-1	12/05/24 12:41
2A	L2470744-01	70744-01	12/05/24 13:04
2B	L2470744-02	70744-02	12/05/24 13:26
3A	L2470744-03	70744-03	12/05/24 13:49
3B	L2470744-04	70744-04	12/05/24 14:11
WG2005369-4MS	WG2005369-4	005369-4	12/05/24 14:33
WG2005369-5MSD	WG2005369-5	005369-5	12/05/24 14:56
4A	L2470744-05	70744-05	12/05/24 15:19
4B	L2470744-06	70744-06	12/05/24 15:41
5A	L2470744-07	70744-07	12/05/24 16:03
5B	L2470744-08	70744-08	12/05/24 16:26
6A	L2470744-09	70744-09	12/05/24 16:49
6B	L2470744-10	70744-10	12/05/24 17:11
7A	L2470744-11	70744-11	12/05/24 17:34
7B	L2470744-12	70744-12	12/05/24 17:56

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: DAKOTA	**Analysis Date**	: 12/05/24 22:23
Tune Standard	: WG2005363-1	**Tune File ID**	: DEG1205n_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.8
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	45.7
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	27.2
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than 24% of mass 442	17.6
442	Base Peak, or >50% of mass 198	82.7
443	15.0 - 24.0% of mass 442	16.4 (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
WG2005363-6TFACTOR-P	WG2005363-6	DEG1205N	12/05/24 22:23
WG2005363-7TFACTOR-B	WG2005363-7	DEG1205N	12/05/24 22:23
WG2005363-3CCAL	WG2005363-3	ABN1205N	12/05/24 22:46
WG2005363-4CCAL	WG2005363-4	AP91205N	12/05/24 23:08
WG2005363-5CCAL	WG2005363-5	ADP1205N	12/05/24 23:31
9A	L2470744-15	70744-15	12/06/24 05:54
9B	L2470744-16	70744-16	12/06/24 06:17
10A	L2470744-17	70744-17	12/06/24 06:40
10B	L2470744-18	70744-18	12/06/24 07:02
DUP 001	L2470744-19	70744-19	12/06/24 07:25
FIELD BLANK	L2470744-21	70744-21	12/06/24 07:48

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: DAKOTA	**Analysis Date**	: 12/06/24 11:43
Tune Standard	: WG2006161-1	**Tune File ID**	: DEG1206_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 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	46.1
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	27.5
365	Greater than 1.0% of mass 198	3.5
441	Present, but less than 24% of mass 442	18.2
442	Base Peak, or >50% of mass 198	83.2
443	15.0 - 24.0% of mass 442	17.3 (20.8)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
WG2006161-6TFACTOR-B	WG2006161-6	DEG1206	12/06/24 11:43
WG2006161-7TFACTOR-P	WG2006161-7	DEG1206	12/06/24 11:43
WG2006161-3CCAL	WG2006161-3	ABN1206	12/06/24 12:06
WG2006161-4CCAL	WG2006161-4	AP91206	12/06/24 12:28
WG2006161-5CCAL	WG2006161-5	ADP1206	12/06/24 12:51
8A	L2470744-13	70744-13	12/06/24 14:00
8B	L2470744-14	70744-14	12/06/24 14:23

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: DAKOTA	**Analysis Date**	: 12/05/24 06:41:00
Sample No	: WG2005564-3	**Lab File ID**	: ABN1205

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2005564-3	24601	4.15	96194	5.39	62067	7.08
Upper Limit	49202	4.65	192388	5.89	124134	7.58
Lower Limit	12301	3.65	48097	4.89	31034	6.58
Sample ID						
WG2005564-4 CCAL	24990	4.15	95647	5.39	61876	7.08
WG2005564-5 CCAL	21809	4.15	-	-	52419	7.08
WG2005369-2 LCS	21426	4.15	80857	5.39	53852	7.08
WG2005369-3 LCSD	20472	4.15	76248	5.39	50640	7.08
WG2005369-1 BLANK	20480	4.15	74380	5.39	46884	7.08
2A	20905	4.15	77579	5.39	48493	7.08
2B	21731	4.15	79632	5.39	49792	7.08
3A	20266	4.15	74037	5.39	48526	7.08
3B	20512	4.15	74798	5.39	47494	7.08
3B MS	22157	4.15	84528	5.39	55138	7.08
3B MSD	20359	4.15	76668	5.39	50160	7.08
4A	20029	4.15	73908	5.39	46528	7.08
4B	21031	4.16	76429	5.39	48320	7.08
5A	22291	4.15	82248	5.39	51536	7.08
5B	21639	4.15	80436	5.39	51124	7.08
6A	21964	4.15	81604	5.39	50245	7.08
6B	20518	4.15	77319	5.39	48408	7.08
7A	20329	4.15	77075	5.39	50378	7.08
7B	20055	4.15	72988	5.39	48382	7.08

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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: DAKOTA	**Analysis Date**	: 12/05/24 06:41:00
Sample No	: WG2005564-3	**Lab File ID**	: ABN1205

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2005564-3	136315	8.49	164893	11.05	196513	12.45
Upper Limit	272630	8.99	329786	11.55	393026	12.95
Lower Limit	68158	7.99	82447	10.55	98257	11.95
Sample ID						
WG2005564-4 CCAL	137002	8.49	-	-	-	-
WG2005564-5 CCAL	118292	8.49	-	-	-	-
WG2005369-2 LCS	116247	8.49	146142	11.05	179630	12.46
WG2005369-3 LCSD	112113	8.49	137396	11.05	169627	12.45
WG2005369-1 BLANK	104149	8.49	124925	11.05	153967	12.45
2A	109995	8.49	130805	11.05	156817	12.45
2B	112592	8.49	133451	11.05	154732	12.45
3A	108464	8.49	126705	11.05	150284	12.45
3B	107690	8.49	126923	11.05	152211	12.45
3B MS	117557	8.49	140301	11.05	168018	12.45
3B MSD	111794	8.49	132975	11.05	160475	12.45
4A	103958	8.49	127130	11.05	155770	12.45
4B	110013	8.49	129899	11.05	151867	12.45
5A	114693	8.49	133782	11.05	153246	12.45
5B	111098	8.49	131827	11.05	155665	12.45
6A	114871	8.49	132176	11.05	154700	12.45
6B	109460	8.49	130762	11.05	153992	12.45
7A	111718	8.49	134828	11.05	158814	12.45
7B	106773	8.49	130972	11.05	155949	12.45

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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: DAKOTA	**Analysis Date**	: 12/05/24 22:46:00
Sample No	: WG2005363-3	**Lab File ID**	: ABN1205N

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2005363-3	20744	4.15	79608	5.39	54276	7.08
Upper Limit	41488	4.65	159216	5.89	108552	7.58
Lower Limit	10372	3.65	39804	4.89	27138	6.58
Sample ID						
WG2005363-4 CCAL	20895	4.15	77460	5.39	50300	7.08
WG2005363-5 CCAL	20712	4.15	-	-	49437	7.08
9A	21455	4.15	79726	5.39	51167	7.08
9B	20726	4.15	80346	5.39	52810	7.08
10A	19219	4.15	70172	5.39	45849	7.08
10B	20702	4.15	76841	5.39	49111	7.08
DUP 001	19992	4.15	75385	5.39	47852	7.08
FIELD BLANK	20445	4.15	75961	5.39	49213	7.08

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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: DAKOTA	**Analysis Date**	: 12/05/24 22:46:00
Sample No	: WG2005363-3	**Lab File ID**	: ABN1205N

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2005363-3	119869	8.49	152226	11.05	181009	12.45
Upper Limit	239738	8.99	304452	11.55	362018	12.95
Lower Limit	59935	7.99	76113	10.55	90505	11.95
Sample ID						
WG2005363-4 CCAL	114159	8.49	-	-	-	-
WG2005363-5 CCAL	107755	8.49	-	-	-	-
9A	114204	8.49	138230	11.04	170677	12.45
9B	115769	8.49	141762	11.04	172081	12.45
10A	104282	8.49	124987	11.04	150689	12.45
10B	111131	8.49	133731	11.04	164845	12.45
DUP 001	105475	8.49	129586	11.04	165684	12.45
FIELD BLANK	109323	8.49	134172	11.04	165627	12.45

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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: DAKOTA	**Analysis Date**	: 12/06/24 12:06:00
Sample No	: WG2006161-3	**Lab File ID**	: ABN1206

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2006161-3	22208	4.15	86686	5.39	57569	7.08
Upper Limit	44416	4.65	173372	5.89	115138	7.58
Lower Limit	11104	3.65	43343	4.89	28785	6.58
Sample ID						
WG2006161-4 CCAL	24112	4.15	93316	5.39	59826	7.08
WG2006161-5 CCAL	21258	4.15	-	-	52005	7.08
8A	20094	4.15	75780	5.39	48592	7.08
8B	19701	4.15	73286	5.39	47248	7.08

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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: DAKOTA	**Analysis Date**	: 12/06/24 12:06:00
Sample No	: WG2006161-3	**Lab File ID**	: ABN1206

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2006161-3	126555	8.49	159319	11.05	194168	12.45
Upper Limit	253110	8.99	318638	11.55	388336	12.95
Lower Limit	63278	7.99	79660	10.55	97084	11.95
Sample ID						
WG2006161-4 CCAL	134396	8.49	-	-	-	-
WG2006161-5 CCAL	115732	8.49	-	-	-	-
8A	108231	8.49	136896	11.04	173047	12.45
8B	105255	8.49	132259	11.04	168712	12.45

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: 03/07/23
Created By: Jason Hebert
File: PM14021-1
Page: 1

ABN Extractables - EPA 8270E (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	2	1.06	ug/l	37-111	30	37-111	30	30			
Benzidine	92-87-5	20	8.14	ug/l	10-75	30	10-75	30	30			
1,2,4-Trichlorobenzene	120-82-1	5	0.581	ug/l	39-98	30	39-98	30	30			
Hexachlorobenzene	118-74-1	2	0.69	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethyl)ether	111-44-4	2	0.884	ug/l	40-140	30	40-140	30	30			
2-Chloronaphthalene	91-58-7	2	0.538	ug/l	40-140	30	40-140	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.636	ug/l	40-140	30	40-140	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.642	ug/l	40-140	30	40-140	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.463	ug/l	36-97	30	36-97	30	30			
3,3'-Dichlorobenzidine	91-94-1	5	0.854	ug/l	40-140	30	40-140	30	30			
2,4-Dinitrotoluene	121-14-2	5	0.382	ug/l	48-143	30	48-143	30	30			
2,6-Dinitrotoluene	606-20-2	5	0.368	ug/l	40-140	30	40-140	30	30			
Azobenzene	122-66-7	2	0.81	ug/l	40-140	30	40-140	30	30			
Fluoranthene	206-44-0	2	0.653	ug/l	40-140	30	40-140	30	30			
4-Chlorophenyl phenyl ether	7005-72-3	2	0.795	ug/l	40-140	30	40-140	30	30			
4-Bromophenyl phenyl ether	101-55-3	2	0.632	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroisopropyl)ether	108-60-1	2	1.75	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethoxy)methane	111-91-1	5	1.49	ug/l	40-140	30	40-140	30	30			
Hexachlorobutadiene	87-68-3	2	0.6	ug/l	40-140	30	40-140	30	30			
Hexachlorocyclopentadiene	77-47-4	20	0.606	ug/l	40-140	30	40-140	30	30			
Hexachloroethane	67-72-1	2	0.44	ug/l	40-140	30	40-140	30	30			
Isophorone	78-59-1	5	0.657	ug/l	40-140	30	40-140	30	30			
Naphthalene	91-20-3	2	0.669	ug/l	40-140	30	40-140	30	30			
Nitrobenzene	98-95-3	2	0.656	ug/l	40-140	30	40-140	30	30			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	2	0.65	ug/l	40-140	30	40-140	30	30			
n-Nitrosodi-n-propylamine	621-64-7	5	0.771	ug/l	29-132	30	29-132	30	30			
Bis(2-Ethylhexyl)phthalate	117-81-7	3	1.51	ug/l	40-140	30	40-140	30	30			
Butyl benzyl phthalate	85-68-7	5	2.18	ug/l	40-140	30	40-140	30	30			
Di-n-butylphthalate	84-74-2	5	0.58	ug/l	40-140	30	40-140	30	30			
Di-n-octylphthalate	117-84-0	5	2.39	ug/l	40-140	30	40-140	30	30			
Diethyl phthalate	84-66-2	5	4.3	ug/l	40-140	30	40-140	30	30			
Dimethyl phthalate	131-11-3	5	4.44	ug/l	40-140	30	40-140	30	30			
Benzo(a)anthracene	56-55-3	2	0.767	ug/l	40-140	30	40-140	30	30			
Benzo(a)pyrene	50-32-8	2	0.447	ug/l	40-140	30	40-140	30	30			
Benzo(b)fluoranthene	205-99-2	2	0.814	ug/l	40-140	30	40-140	30	30			
Benzo(k)fluoranthene	207-08-9	2	0.816	ug/l	40-140	30	40-140	30	30			
Chrysene	218-01-9	2	0.828	ug/l	40-140	30	40-140	30	30			
Acenaphthylene	208-96-8	2	0.59	ug/l	45-123	30	45-123	30	30			
Anthracene	120-12-7	2	0.79	ug/l	40-140	30	40-140	30	30			
Benzo(ghi)perylene	191-24-2	2	0.77	ug/l	40-140	30	40-140	30	30			
Fluorene	86-73-7	2	1.05	ug/l	40-140	30	40-140	30	30			
Phenanthrene	85-01-8	2	0.992	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 the laboratory

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1

ABN Extractables - EPA 8270E (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml 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	0.452	ug/l	40-140	30	40-140	30	30			
Indeno(1,2,3-cd)Pyrene	193-39-5	2	0.943	ug/l	40-140	30	40-140	30	30			
Pyrene	129-00-0	2	0.704	ug/l	26-127	30	26-127	30	30			
Biphenyl	92-52-4	2	0.635	ug/l	40-140	30	40-140	30	30			
Aniline	62-53-3	2	0.482	ug/l	40-140	30	40-140	30	30			
4-Chloroaniline	106-47-8	5	0.647	ug/l	40-140	30	40-140	30	30			
1-Methylnaphthalene	90-12-0	2	0.595	ug/l	41-103	30	41-103	30	30			
2-Nitroaniline	88-74-4	5	0.519	ug/l	52-143	30	52-143	30	30			
3-Nitroaniline	99-09-2	5	0.574	ug/l	25-145	30	25-145	30	30			
4-Nitroaniline	100-01-6	5	0.581	ug/l	51-143	30	51-143	30	30			
Dibenzofuran	132-64-9	2	0.823	ug/l	40-140	30	40-140	30	30			
2-Methylnaphthalene	91-57-6	2	0.677	ug/l	40-140	30	40-140	30	30			
n-Nitrosodimethylamine	62-75-9	2	0.524	ug/l	22-74	30	22-74	30	30			
2,4,6-Trichlorophenol	88-06-2	5	0.494	ug/l	30-130	30	30-130	30	30			
P-Chloro-M-Cresol	59-50-7	2	0.406	ug/l	23-97	30	23-97	30	30			
2-Chlorophenol	95-57-8	2	0.405	ug/l	27-123	30	27-123	30	30			
2,4-Dichlorophenol	120-83-2	5	0.527	ug/l	30-130	30	30-130	30	30			
2,4-Dimethylphenol	105-67-9	5	1.1	ug/l	30-130	30	30-130	30	30			
2-Nitrophenol	88-75-5	10	0.463	ug/l	30-130	30	30-130	30	30			
4-Nitrophenol	100-02-7	10	1.14	ug/l	10-80	30	10-80	30	30			
2,4-Dinitrophenol	51-28-5	20	3.55	ug/l	20-130	30	20-130	30	30			
4,6-Dinitro-o-cresol	534-52-1	10	5.42	ug/l	20-164	30	20-164	30	30			
Pentachlorophenol	87-86-5	10	1.95	ug/l	9-103	30	9-103	30	30			
Phenol	108-95-2	5	1.3	ug/l	12-110	30	12-110	30	30			
2-Methylphenol	95-48-7	5	1.1	ug/l	30-130	30	30-130	30	30			
3-Methylphenol/4-Methylphenol	106-44-5	5	0.55	ug/l	30-130	30	30-130	30	30			
2,4,5-Trichlorophenol	95-95-4	5	0.381	ug/l	30-130	30	30-130	30	30			
Benzoic Acid	65-85-0	50	12.9	ug/l	10-164	30	10-164	30	30			
Benzyl Alcohol	100-51-6	2	0.698	ug/l	26-116	30	26-116	30	30			
Carbazole	86-74-8	2	0.759	ug/l	55-144	30	55-144	30	30			
Pyridine	110-86-1	3.5	0.905	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 the laboratory

Date Created: 03/07/23
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ABN Extractables - EPA 8270E (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	133.6	17.3012	ug/kg	31-137	50	31-137	50	50			
Benzidine	92-87-5	551.1	181.028	ug/kg	10-66	50	10-66	50	50			
1,2,4-Trichlorobenzene	120-82-1	167	19.1048	ug/kg	38-107	50	38-107	50	50			
Hexachlorobenzene	118-74-1	100.2	18.704	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroethyl)ether	111-44-4	150.3	22.6452	ug/kg	40-140	50	40-140	50	50			
2-Chloronaphthalene	91-58-7	167	16.5664	ug/kg	40-140	50	40-140	50	50			
1,2-Dichlorobenzene	95-50-1	167	29.9932	ug/kg	40-140	50	40-140	50	50			
1,3-Dichlorobenzene	541-73-1	167	28.724	ug/kg	40-140	50	40-140	50	50			
1,4-Dichlorobenzene	106-46-7	167	29.1582	ug/kg	28-104	50	28-104	50	50			
3,3'-Dichlorobenzidine	91-94-1	167	44.422	ug/kg	40-140	50	40-140	50	50			
2,4-Dinitrotoluene	121-14-2	167	33.4	ug/kg	40-132	50	40-132	50	50			
2,6-Dinitrotoluene	606-20-2	167	28.6572	ug/kg	40-140	50	40-140	50	50			
Azobenzene	122-66-7	167	16.032	ug/kg	40-140	50	40-140	50	50			
Fluoranthene	206-44-0	100.2	19.1716	ug/kg	40-140	50	40-140	50	50			
4-Chlorophenyl phenyl ether	7005-72-3	167	17.869	ug/kg	40-140	50	40-140	50	50			
4-Bromophenyl phenyl ether	101-55-3	167	25.4842	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroisopropyl)ether	108-60-1	200.4	28.5236	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroethoxy)methane	111-91-1	180.36	16.7334	ug/kg	40-117	50	40-117	50	50			
Hexachlorobutadiene	87-68-3	167	24.4488	ug/kg	40-140	50	40-140	50	50			
Hexachlorocyclopentadiene	77-47-4	477.62	151.302	ug/kg	40-140	50	40-140	50	50			
Hexachloroethane	67-72-1	133.6	27.0206	ug/kg	40-140	50	40-140	50	50			
Isophorone	78-59-1	150.3	21.6766	ug/kg	40-140	50	40-140	50	50			
Naphthalene	91-20-3	167	20.3406	ug/kg	40-140	50	40-140	50	50			
Nitrobenzene	98-95-3	150.3	24.716	ug/kg	40-140	50	40-140	50	50			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	133.6	19.0046	ug/kg	36-157	50	36-157	50	50			
n-Nitrosodi-n-propylamine	621-64-7	167	25.7848	ug/kg	32-121	50	32-121	50	50			
Bis(2-Ethylhexyl)phthalate	117-81-7	167	57.782	ug/kg	40-140	50	40-140	50	50			
Butyl benzyl phthalate	85-68-7	167	42.084	ug/kg	40-140	50	40-140	50	50			
Di-n-butylphthalate	84-74-2	167	31.6632	ug/kg	40-140	50	40-140	50	50			
Di-n-octylphthalate	117-84-0	167	56.78	ug/kg	40-140	50	40-140	50	50			
Diethyl phthalate	84-66-2	167	15.4642	ug/kg	40-140	50	40-140	50	50			
Dimethyl phthalate	131-11-3	167	35.07	ug/kg	40-140	50	40-140	50	50			
Benzo(a)anthracene	56-55-3	100.2	18.8042	ug/kg	40-140	50	40-140	50	50			
Benzo(a)pyrene	50-32-8	133.6	40.748	ug/kg	40-140	50	40-140	50	50			
Benzo(b)fluoranthene	205-99-2	100.2	28.1228	ug/kg	40-140	50	40-140	50	50			
Benzo(k)fluoranthene	207-08-9	100.2	26.72	ug/kg	40-140	50	40-140	50	50			
Chrysene	218-01-9	100.2	17.368	ug/kg	40-140	50	40-140	50	50			
Acenaphthylene	208-96-8	133.6	25.7848	ug/kg	40-140	50	40-140	50	50			
Anthracene	120-12-7	100.2	32.565	ug/kg	40-140	50	40-140	50	50			
Benzo(ghi)perylene	191-24-2	133.6	19.6392	ug/kg	40-140	50	40-140	50	50			
Fluorene	86-73-7	167	16.2324	ug/kg	40-140	50	40-140	50	50			
Phenanthrene	85-01-8	100.2	20.3072	ug/kg	40-140	50	40-140	50	50			

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Date Created: 03/07/23
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ABN Extractables - EPA 8270E (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz 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	100.2	19.3052	ug/kg	40-140	50	40-140	50	50			
Indeno(1,2,3-cd)Pyrene	193-39-5	133.6	23.2798	ug/kg	40-140	50	40-140	50	50			
Pyrene	129-00-0	100.2	16.5998	ug/kg	35-142	50	35-142	50	50			
Biphenyl	92-52-4	380.76	21.71	ug/kg	37-127	50	37-127	50	50			
Aniline	62-53-3	200.4	78.824	ug/kg	40-140	50	40-140	50	50			
4-Chloroaniline	106-47-8	167	30.394	ug/kg	40-140	50	40-140	50	50			
1-Methylnaphthalene	90-12-0	167	19.372	ug/kg	26-130	50	26-130	50	50			
2-Nitroaniline	88-74-4	167	32.1976	ug/kg	47-134	50	47-134	50	50			
3-Nitroaniline	99-09-2	167	31.4962	ug/kg	26-129	50	26-129	50	50			
4-Nitroaniline	100-01-6	167	69.138	ug/kg	41-125	50	41-125	50	50			
Dibenzofuran	132-64-9	167	15.7982	ug/kg	40-140	50	40-140	50	50			
2-Methylnaphthalene	91-57-6	200.4	20.1736	ug/kg	40-140	50	40-140	50	50			
n-Nitrosodimethylamine	62-75-9	334	32.064	ug/kg	22-100	50	22-100	50	50			
2,4,6-Trichlorophenol	88-06-2	100.2	31.6632	ug/kg	30-130	50	30-130	50	50			
P-Chloro-M-Cresol	59-50-7	167	24.883	ug/kg	26-103	50	26-103	50	50			
2-Chlorophenol	95-57-8	167	19.7394	ug/kg	25-102	50	25-102	50	50			
2,4-Dichlorophenol	120-83-2	150.3	26.8536	ug/kg	30-130	50	30-130	50	50			
2,4-Dimethylphenol	105-67-9	167	55.11	ug/kg	30-130	50	30-130	50	50			
2-Nitrophenol	88-75-5	360.72	62.792	ug/kg	30-130	50	30-130	50	50			
4-Nitrophenol	100-02-7	233.8	68.136	ug/kg	11-114	50	11-114	50	50			
2,4-Dinitrophenol	51-28-5	801.6	77.822	ug/kg	4-130	50	4-130	50	50			
4,6-Dinitro-o-cresol	534-52-1	434.2	80.16	ug/kg	10-130	50	10-130	50	50			
Pentachlorophenol	87-86-5	133.6	36.74	ug/kg	17-109	50	17-109	50	50			
Phenol	108-95-2	167	25.217	ug/kg	26-90	50	26-90	50	50			
2-Methylphenol	95-48-7	167	25.885	ug/kg	30-130.	50	30-130.	50	50			
3-Methylphenol/4-Methylphenol	106-44-5	240.48	26.1522	ug/kg	30-130	50	30-130	50	50			
2,4,5-Trichlorophenol	95-95-4	167	31.9972	ug/kg	30-130	50	30-130	50	50			
Benzoic Acid	65-85-0	541.08	169.004	ug/kg	10-110	50	10-110	50	50			
Benzyl Alcohol	100-51-6	167	51.102	ug/kg	40-140	50	40-140	50	50			
Carbazole	86-74-8	167	16.2324	ug/kg	54-128	50	54-128	50	50			
Pyridine	110-86-1	180.36	63.46	ug/kg	10-93	50	10-93	50	50			
2-Fluorophenol	*367-12-4*									*25-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*30-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-136*		
4-Terphenyl-d14	*1718-51-0*									*18-120*		

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

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-01	Date Collected	: 12/02/24 11:15
Client ID	: 2A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 13:04
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-01	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-01	Date Collected	: 12/02/24 11:15
Client ID	: 2A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 13:04
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-01	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-01	**Date Collected**	: 12/02/24 11:15
Client ID	: 2A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/05/24 13:04
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-01	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-02	Date Collected	: 12/02/24 11:11
Client ID	: 2B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 13:26
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-02	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-02	Date Collected	: 12/02/24 11:11
Client ID	: 2B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 13:26
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-02	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-02	**Date Collected**	: 12/02/24 11:11
Client ID	: 2B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/05/24 13:26
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-02	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-03	Date Collected	: 12/02/24 10:00
Client ID	: 3A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 13:49
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-03	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-03	Date Collected	: 12/02/24 10:00
Client ID	: 3A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 13:49
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-03	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-03	**Date Collected**	: 12/02/24 10:00
Client ID	: 3A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/05/24 13:49
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-03	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-04	Date Collected	: 12/02/24 10:05
Client ID	: 3B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 14:11
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-04	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-04	Date Collected	: 12/02/24 10:05
Client ID	: 3B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 14:11
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-04	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-04	**Date Collected**	: 12/02/24 10:05
Client ID	: 3B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/05/24 14:11
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-04	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-05	Date Collected	: 12/03/24 08:20
Client ID	: 4A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 15:19
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-05	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-05	Date Collected	: 12/03/24 08:20
Client ID	: 4A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 15:19
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-05	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-05	**Date Collected**	: 12/03/24 08:20
Client ID	: 4A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/05/24 15:19
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-05	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-06	Date Collected	: 12/03/24 08:40
Client ID	: 4B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 15:41
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-06	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-06	Date Collected	: 12/03/24 08:40
Client ID	: 4B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 15:41
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-06	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-06	**Date Collected**	: 12/03/24 08:40
Client ID	: 4B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/05/24 15:41
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-06	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-07	Date Collected	: 12/03/24 09:20
Client ID	: 5A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 16:03
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-07	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-07	Date Collected	: 12/03/24 09:20
Client ID	: 5A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 16:03
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-07	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-07	**Date Collected**	: 12/03/24 09:20
Client ID	: 5A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/05/24 16:03
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-07	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-08	Date Collected	: 12/03/24 09:55
Client ID	: 5B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 16:26
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-08	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-08	Date Collected	: 12/03/24 09:55
Client ID	: 5B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 16:26
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-08	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-08	**Date Collected**	: 12/03/24 09:55
Client ID	: 5B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/05/24 16:26
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-08	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-09	Date Collected	: 12/02/24 14:20
Client ID	: 6A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 16:49
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-09	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-09	Date Collected	: 12/02/24 14:20
Client ID	: 6A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 16:49
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-09	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-09	**Date Collected**	: 12/02/24 14:20
Client ID	: 6A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/05/24 16:49
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-09	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-10	Date Collected	: 12/02/24 14:03
Client ID	: 6B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 17:11
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-10	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-10	Date Collected	: 12/02/24 14:03
Client ID	: 6B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 17:11
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-10	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-10	**Date Collected**	: 12/02/24 14:03
Client ID	: 6B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/05/24 17:11
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-10	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-11	Date Collected	: 12/03/24 14:45
Client ID	: 7A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 17:34
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-11	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-11	Date Collected	: 12/03/24 14:45
Client ID	: 7A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 17:34
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-11	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	8.4	5.0	0.35	
95-48-7	2-Methylphenol	8.5	5.0	2.3	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	5.3	5.0	1.4	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-11	**Date Collected**	: 12/03/24 14:45
Client ID	: 7A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/05/24 17:34
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-11	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-12	Date Collected	: 12/02/24 12:45
Client ID	: 7B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 17:56
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-12	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-12	Date Collected	: 12/02/24 12:45
Client ID	: 7B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 17:56
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-12	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-12	**Date Collected**	: 12/02/24 12:45
Client ID	: 7B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/05/24 17:56
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-12	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-13	Date Collected	: 12/03/24 13:25
Client ID	: 8A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 14:00
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-13	Analyst	: SLR
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-13	Date Collected	: 12/03/24 13:25
Client ID	: 8A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 14:00
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-13	Analyst	: SLR
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-13	**Date Collected**	: 12/03/24 13:25
Client ID	: 8A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 14:00
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-13	**Analyst**	: SLR
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-14	Date Collected	: 12/03/24 13:27
Client ID	: 8B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 14:23
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-14	Analyst	: SLR
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-14	Date Collected	: 12/03/24 13:27
Client ID	: 8B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 14:23
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-14	Analyst	: SLR
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	3.0	5.0	0.92	J
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-14	**Date Collected**	: 12/03/24 13:27
Client ID	: 8B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 14:23
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-14	**Analyst**	: SLR
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-15	Date Collected	: 12/03/24 12:30
Client ID	: 9A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 05:54
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-15	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-15	Date Collected	: 12/03/24 12:30
Client ID	: 9A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 05:54
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-15	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-15	**Date Collected**	: 12/03/24 12:30
Client ID	: 9A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 05:54
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-15	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-16	Date Collected	: 12/03/24 12:35
Client ID	: 9B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 06:17
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-16	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-16	Date Collected	: 12/03/24 12:35
Client ID	: 9B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 06:17
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-16	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-16	**Date Collected**	: 12/03/24 12:35
Client ID	: 9B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 06:17
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-16	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-17	Date Collected	: 12/03/24 11:40
Client ID	: 10A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 06:40
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-17	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-17	Date Collected	: 12/03/24 11:40
Client ID	: 10A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 06:40
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-17	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-17	**Date Collected**	: 12/03/24 11:40
Client ID	: 10A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 06:40
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-17	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-18	Date Collected	: 12/03/24 11:45
Client ID	: 10B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 07:02
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-18	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-18	Date Collected	: 12/03/24 11:45
Client ID	: 10B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 07:02
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-18	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-18	**Date Collected**	: 12/03/24 11:45
Client ID	: 10B	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 07:02
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-18	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-19	Date Collected	: 12/02/24 00:00
Client ID	: DUP 001	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 07:25
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-19	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-19	Date Collected	: 12/02/24 00:00
Client ID	: DUP 001	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 07:25
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-19	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-19	**Date Collected**	: 12/02/24 00:00
Client ID	: DUP 001	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 07:25
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-19	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-21	Date Collected	: 12/03/24 15:55
Client ID	: FIELD BLANK	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 07:48
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-21	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-21	Date Collected	: 12/03/24 15:55
Client ID	: FIELD BLANK	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/06/24 07:48
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 70744-21	Analyst	: EK
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
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-21	**Date Collected**	: 12/03/24 15:55
Client ID	: FIELD BLANK	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 07:48
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 70744-21	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: WG2005369-1	Date Collected	: NA
Client ID	: WG2005369-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/05/24 12:41
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 005369-1	Analyst	: EK
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
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
118-74-1	Hexachlorobenzene	ND	2.0	0.45	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-58-7	2-Chloronaphthalene	ND	2.0	0.35	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
87-68-3	Hexachlorobutadiene	ND	2.0	0.36	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
67-72-1	Hexachloroethane	ND	2.0	0.20	U
78-59-1	Isophorone	ND	5.0	0.86	U
91-20-3	Naphthalene	ND	2.0	0.54	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: WG2005369-1	Date Collected	: NA
Client ID	: WG2005369-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/05/24 12:41
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 005369-1	Analyst	: EK
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
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	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
92-52-4	Biphenyl	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: WG2005369-1	Date Collected	: NA
Client ID	: WG2005369-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/05/24 12:41
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 005369-1	Analyst	: EK
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
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
91-57-6	2-Methylnaphthalene	ND	2.0	0.37	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
87-86-5	Pentachlorophenol	ND	10	2.5	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2005369-1	**Date Collected**	: NA
Client ID	: WG2005369-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/05/24 12:41
Sample Matrix	: WATER	**Date Extracted**	: 12/04/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 005369-1	**Analyst**	: EK
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**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-01.D
Acq On : 5 Dec 2024 1:04 pm
Operator : Dakota:ek
Sample : L2470744-01,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 06 19:55:49 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	20905	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 84.98%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	20905	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 83.65%				
37) IS1_Naphthalene-d8	5.392	136	77579	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 80.65%				
57) IS2_Naphthalene-d8	5.392	136	77579	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 81.11%				
65) IS1_Acenaphthene-d10	7.080	164	48493	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 78.13%				
85) IS2_Acenaphthene-d10	7.080	164	48493	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 78.37%				
88) IS3_Acenaphthene-d10	7.080	164	48493	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 92.51%				
90) IS1_Phenanthrene-d10	8.491	188	109995	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 80.69%				
102) IS3_Phenanthrene-d10	8.491	188	109995	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 92.99%				
106) IS1_Chrysene-d12	11.046	240	130805	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 79.33%				
115) IS1_Perylene-d12	12.454	264	156817	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 79.80%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.859	112	4816	0.896	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 44.80%				
7) Phenol-d6	3.869	99	4529	0.658	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 32.90%				
19) Nitrobenzene-d5	4.708	82	5025	0.805	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 80.50%				
48) 2-Fluorobiphenyl	6.464	172	13195	0.687	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.70%				
81) 2,4,6-Tribromophenol	7.841	330	4884	1.409	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 70.45%				
98) 4-Terphenyl-d14	10.061	244	26862	0.844	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 84.40%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-01.D
Acq On : 5 Dec 2024 1:04 pm
Operator : Dakota:ek
Sample : L2470744-01,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 06 19:55:49 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.	d	
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-01.D
Acq On : 5 Dec 2024 1:04 pm
Operator : Dakota:ek
Sample : L2470744-01,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 06 19:55:49 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
79) NDPA/DPA	0.000		0	N.D.		
82) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
93) Carbazole	0.000		0	N.D.		
94) Di-n-butylphthalate	0.000		0	N.D.	d	
99) Butyl benzyl phthalate	0.000		0	N.D.		
108) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
110) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111) Di-n-octylphthalate	0.000		0	N.D.	d	

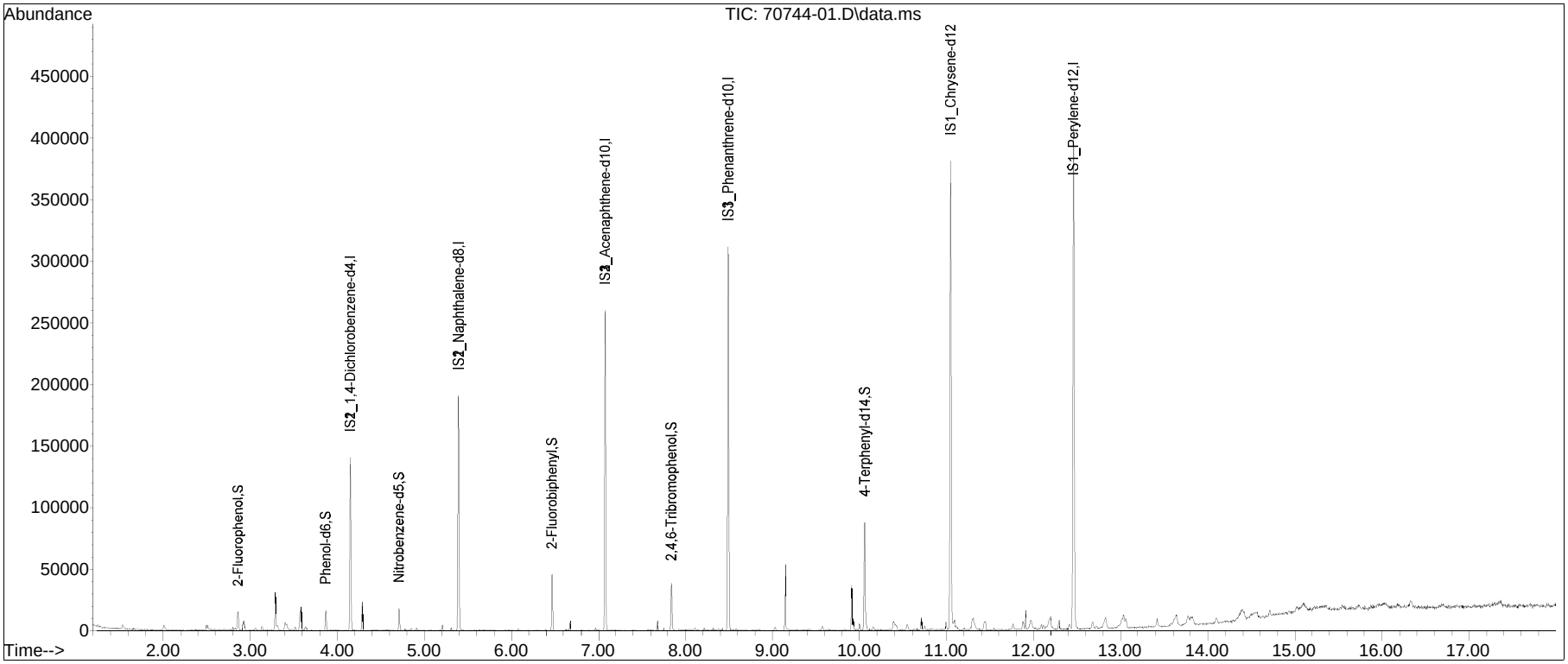
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-01.D
Acq On : 5 Dec 2024 1:04 pm
Operator : Dakota:ek
Sample : L2470744-01,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 06 19:55:49 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91205.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-01.D	Operator	: Dakota:ek
Date Inj'd	: 12/5/2024 1:04 pm	Instrument	: Dakota
Sample	: L2470744-01,32,,HNY	Quant Date	: 12/5/2024 1:29 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-02.D
Acq On : 5 Dec 2024 1:26 pm
Operator : Dakota:ek
Sample : L2470744-02,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 06 19:55:59 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	21731	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 88.33%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	21731	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 86.96%				
37) IS1_Naphthalene-d8	5.392	136	79632	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 82.78%				
57) IS2_Naphthalene-d8	5.392	136	79632	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 83.26%				
65) IS1_Acenaphthene-d10	7.080	164	49792	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 80.22%				
85) IS2_Acenaphthene-d10	7.080	164	49792	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 80.47%				
88) IS3_Acenaphthene-d10	7.080	164	49792	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 94.99%				
90) IS1_Phenanthrene-d10	8.491	188	112592	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 82.60%				
102) IS3_Phenanthrene-d10	8.491	188	112592	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 95.18%				
106) IS1_Chrysene-d12	11.046	240	133451	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 80.93%				
115) IS1_Perylene-d12	12.454	264	154732	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 78.74%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.859	112	5032	0.901	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.05%				
7) Phenol-d6	3.872	99	4532	0.633	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.65%				
19) Nitrobenzene-d5	4.711	82	4825	0.743	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.30%				
48) 2-Fluorobiphenyl	6.467	172	13994	0.710	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.00%				
81) 2,4,6-Tribromophenol	7.838	330	5053	1.420	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 71.00%				
98) 4-Terphenyl-d14	10.060	244	27703	0.850	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 85.00%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-02.D
Acq On : 5 Dec 2024 1:26 pm
Operator : Dakota:ek
Sample : L2470744-02,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 06 19:55:59 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.	d	
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-02.D
Acq On : 5 Dec 2024 1:26 pm
Operator : Dakota:ek
Sample : L2470744-02,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 06 19:55:59 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77) 4-Nitroaniline	0.000		0		N.D.	
78) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
79) NDPA/DPA	0.000		0		N.D.	
82) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
93) Carbazole	0.000		0		N.D.	
94) Di-n-butylphthalate	0.000		0		N.D.	d
99) Butyl benzyl phthalate	0.000		0		N.D.	
108) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
110) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
111) Di-n-octylphthalate	0.000		0		N.D.	d

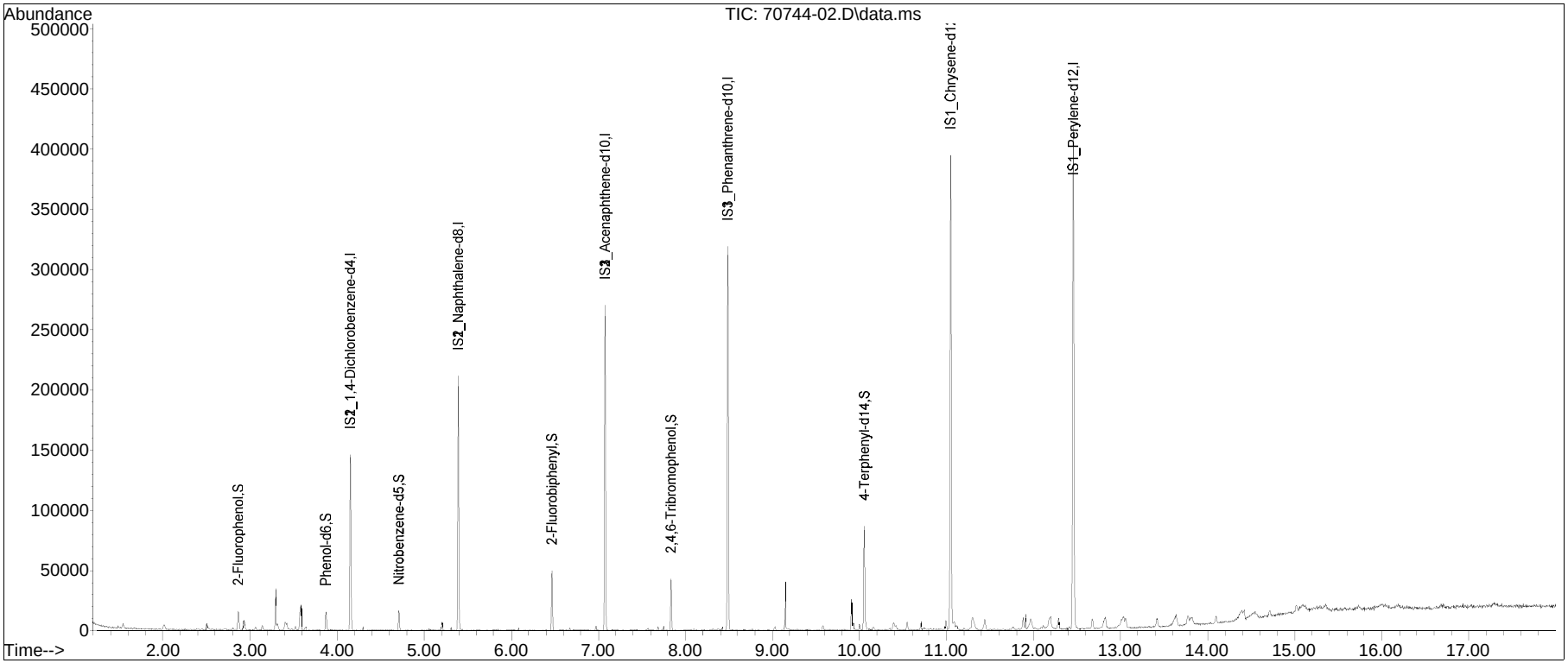
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-02.D
Acq On : 5 Dec 2024 1:26 pm
Operator : Dakota:ek
Sample : L2470744-02,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 06 19:55:59 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91205.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-02.D	Operator	: Dakota:ek
Date Inj'd	: 12/5/2024 1:26 pm	Instrument	: Dakota
Sample	: L2470744-02,32,,HNY	Quant Date	: 12/5/2024 1:45 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-03.D
Acq On : 5 Dec 2024 1:49 pm
Operator : Dakota:ek
Sample : L2470744-03,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 06 19:56:07 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	20266	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 82.38%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	20266	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 81.10%				
37) IS1_Naphthalene-d8	5.392	136	74037	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 76.97%				
57) IS2_Naphthalene-d8	5.392	136	74037	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 77.41%				
65) IS1_Acenaphthene-d10	7.080	164	48526	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 78.18%				
85) IS2_Acenaphthene-d10	7.080	164	48526	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 78.42%				
88) IS3_Acenaphthene-d10	7.080	164	48526	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 92.57%				
90) IS1_Phenanthrene-d10	8.491	188	108464	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 79.57%				
102) IS3_Phenanthrene-d10	8.491	188	108464	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 91.69%				
106) IS1_Chrysene-d12	11.046	240	126705	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 76.84%				
115) IS1_Perylene-d12	12.454	264	150284	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 76.48%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.859	112	4899	0.940	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 47.00%				
7) Phenol-d6	3.872	99	3861	0.579	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 28.95%				
19) Nitrobenzene-d5	4.711	82	4342	0.717	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.70%				
48) 2-Fluorobiphenyl	6.467	172	11935	0.651	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.10%				
81) 2,4,6-Tribromophenol	7.838	330	4470	1.289	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 64.45%				
98) 4-Terphenyl-d14	10.060	244	24204	0.771	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 77.10%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-03.D
Acq On : 5 Dec 2024 1:49 pm
Operator : Dakota:ek
Sample : L2470744-03,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 06 19:56:07 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.	d	
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.	d	
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-03.D
Acq On : 5 Dec 2024 1:49 pm
Operator : Dakota:ek
Sample : L2470744-03,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 06 19:56:07 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77) 4-Nitroaniline	0.000		0		N.D.	
78) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
79) NDPA/DPA	0.000		0		N.D.	
82) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
93) Carbazole	0.000		0		N.D.	
94) Di-n-butylphthalate	0.000		0		N.D.	d
99) Butyl benzyl phthalate	0.000		0		N.D.	
108) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
110) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
111) Di-n-octylphthalate	0.000		0		N.D.	d

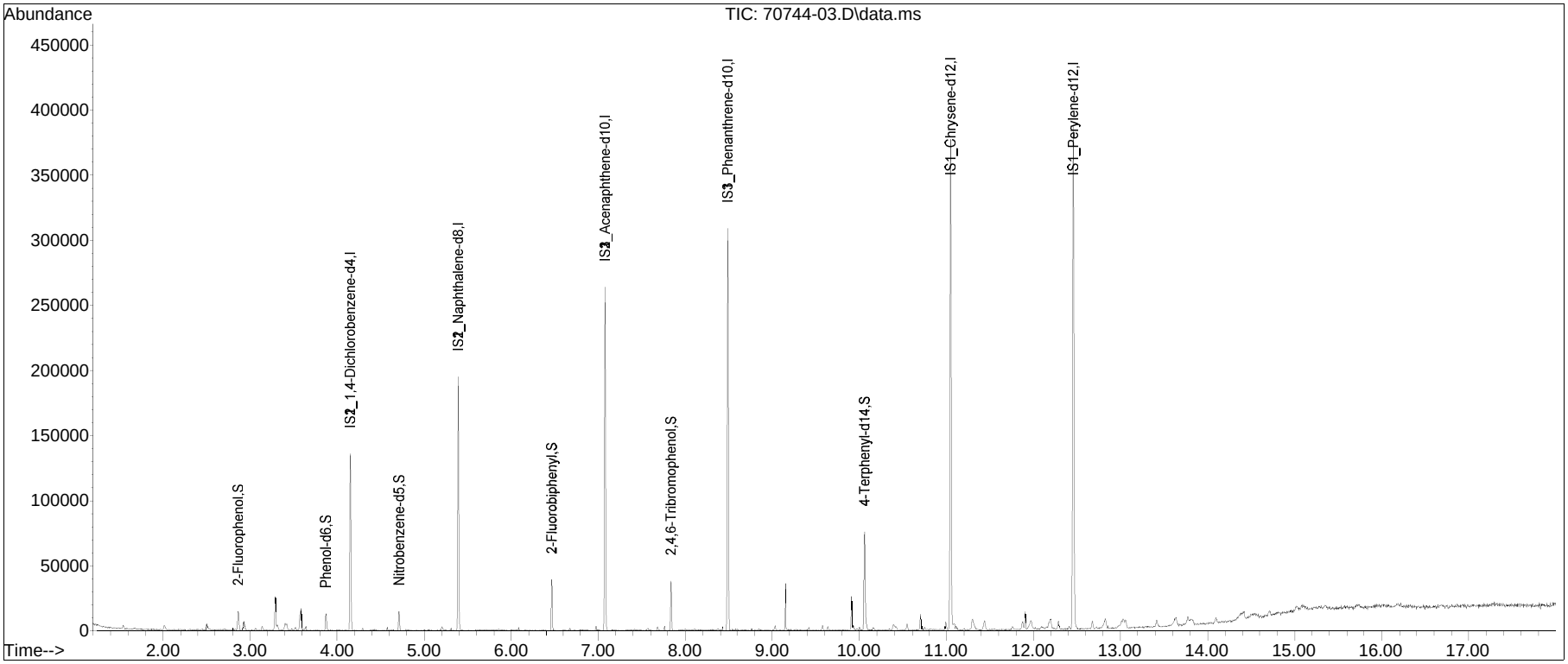
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-03.D
Acq On : 5 Dec 2024 1:49 pm
Operator : Dakota:ek
Sample : L2470744-03,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 06 19:56:07 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91205.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-03.D	Operator	: Dakota:ek
Date Inj'd	: 12/5/2024 1:49 pm	Instrument	: Dakota
Sample	: L2470744-03,32,,HNY	Quant Date	: 12/5/2024 2:07 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-04.D
Acq On : 5 Dec 2024 2:11 pm
Operator : Dakota:ek
Sample : L2470744-04,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 06 19:56:17 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	20512	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 83.38%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	20512	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 82.08%				
37) IS1_Naphthalene-d8	5.392	136	74798	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 77.76%				
57) IS2_Naphthalene-d8	5.392	136	74798	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 78.20%				
65) IS1_Acenaphthene-d10	7.080	164	47494	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 76.52%				
85) IS2_Acenaphthene-d10	7.080	164	47494	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 76.76%				
88) IS3_Acenaphthene-d10	7.080	164	47494	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 90.60%				
90) IS1_Phenanthrene-d10	8.491	188	107690	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 79.00%				
102) IS3_Phenanthrene-d10	8.491	188	107690	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 91.04%				
106) IS1_Chrysene-d12	11.046	240	126923	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 76.97%				
115) IS1_Perylene-d12	12.454	264	152211	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 77.46%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.859	112	3919	0.743	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 37.15%				
7) Phenol-d6	3.869	99	3876	0.574	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 28.70%				
19) Nitrobenzene-d5	4.708	82	4275	0.698	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.80%				
48) 2-Fluorobiphenyl	6.464	172	11922	0.644	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.40%				
81) 2,4,6-Tribromophenol	7.841	330	4757	1.401	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 70.05%				
98) 4-Terphenyl-d14	10.061	244	24817	0.796	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.60%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-04.D
Acq On : 5 Dec 2024 2:11 pm
Operator : Dakota:ek
Sample : L2470744-04,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 06 19:56:17 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds							Qvalue
6)	2-Chlorophenol	0.000		0	N.D.		
8)	Phenol	0.000		0	N.D.		
9)	Bis(2-chloroethyl)ether	0.000		0	N.D.		
10)	1,3-Dichlorobenzene	0.000		0	N.D.		
11)	1,4-Dichlorobenzene	0.000		0	N.D.		
12)	1,2-Dichlorobenzene	0.000		0	N.D.		
13)	Benzyl alcohol	0.000		0	N.D.		
14)	Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15)	2-Methylphenol	0.000		0	N.D.		
17)	n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18)	3-Methylphenol/4-Methy...	0.000		0	N.D.		
20)	Nitrobenzene	0.000		0	N.D.		
21)	Isophorone	0.000		0	N.D.		
22)	2-Nitrophenol	0.000		0	N.D.		
23)	2,4-Dimethylphenol	0.000		0	N.D.		
24)	Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25)	2,4-Dichlorophenol	0.000		0	N.D.		
26)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
29)	Acetophenone	0.000		0	N.D.		
39)	Benzoic Acid	0.000		0	N.D.	d	
40)	4-Chloroaniline	0.000		0	N.D.		
42)	p-Chloro-m-cresol	0.000		0	N.D.		
45)	Hexachlorocyclopentadiene	0.000		0	N.D.		
46)	2,4,6-Trichlorophenol	0.000		0	N.D.		
47)	2,4,5-Trichlorophenol	0.000		0	N.D.		
50)	2-Nitroaniline	0.000		0	N.D.		
53)	Dimethyl phthalate	0.000		0	N.D.	d	
55)	2,6-Dinitrotoluene	0.000		0	N.D.	d	
63)	1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64)	Biphenyl	0.000		0	N.D.		
66)	3-Nitroaniline	0.000		0	N.D.		
68)	2,4-Dinitrophenol	0.000		0	N.D.		
69)	Dibenzofuran	0.000		0	N.D.		
70)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
71)	4-Nitrophenol	0.000		0	N.D.		
74)	Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-04.D
Acq On : 5 Dec 2024 2:11 pm
Operator : Dakota:ek
Sample : L2470744-04,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 06 19:56:17 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77)	4-Nitroaniline	0.000		0	N.D.		
78)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
79)	NDPA/DPA	0.000		0	N.D.		
82)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
93)	Carbazole	0.000		0	N.D.		
94)	Di-n-butylphthalate	0.000		0	N.D.	d	
99)	Butyl benzyl phthalate	0.000		0	N.D.		
108)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
110)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.		
111)	Di-n-octylphthalate	0.000		0	N.D.	d	

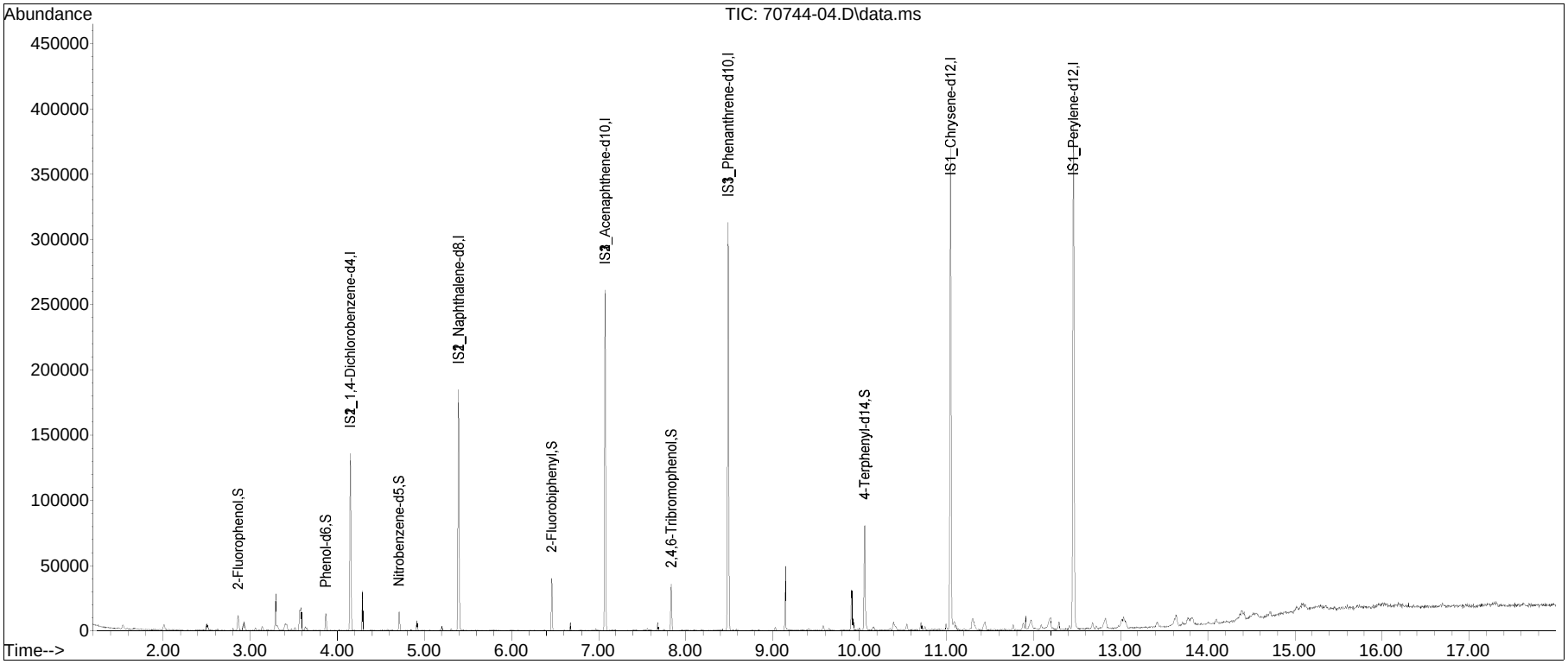
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-04.D
Acq On : 5 Dec 2024 2:11 pm
Operator : Dakota:ek
Sample : L2470744-04,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 06 19:56:17 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91205.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-04.D	Operator	: Dakota:ek
Date Inj'd	: 12/5/2024 2:11 pm	Instrument	: Dakota
Sample	: L2470744-04,32,,HNY	Quant Date	: 12/5/2024 2:29 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-05.D
Acq On : 5 Dec 2024 3:19 pm
Operator : Dakota:ek
Sample : L2470744-05,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 06 19:56:29 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	20029	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 81.42%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	20029	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 80.15%				
37) IS1_Naphthalene-d8	5.392	136	73908	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 76.83%				
57) IS2_Naphthalene-d8	5.392	136	73908	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 77.27%				
65) IS1_Acenaphthene-d10	7.080	164	46528	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 74.96%				
85) IS2_Acenaphthene-d10	7.080	164	46528	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 75.20%				
88) IS3_Acenaphthene-d10	7.080	164	46528	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 88.76%				
90) IS1_Phenanthrene-d10	8.491	188	103958	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 76.26%				
102) IS3_Phenanthrene-d10	8.491	188	103958	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 87.88%				
106) IS1_Chrysene-d12	11.046	240	127130	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 77.10%				
115) IS1_Perylene-d12	12.454	264	155770	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 79.27%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.859	112	4123	0.801	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 40.05%				
7) Phenol-d6	3.869	99	3802	0.577	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 28.85%				
19) Nitrobenzene-d5	4.708	82	4387	0.733	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.30%				
48) 2-Fluorobiphenyl	6.465	172	11680	0.639	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.90%				
81) 2,4,6-Tribromophenol	7.838	330	4316	1.298	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 64.90%				
98) 4-Terphenyl-d14	10.061	244	24438	0.812	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 81.20%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-05.D
Acq On : 5 Dec 2024 3:19 pm
Operator : Dakota:ek
Sample : L2470744-05,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 06 19:56:29 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.	d	
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-05.D
Acq On : 5 Dec 2024 3:19 pm
Operator : Dakota:ek
Sample : L2470744-05,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 06 19:56:29 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77)	4-Nitroaniline	0.000		0		N.D.	
78)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
79)	NDPA/DPA	0.000		0		N.D.	
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D.	
94)	Di-n-butylphthalate	0.000		0		N.D.	d
99)	Butyl benzyl phthalate	0.000		0		N.D.	
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
111)	Di-n-octylphthalate	0.000		0		N.D.	d

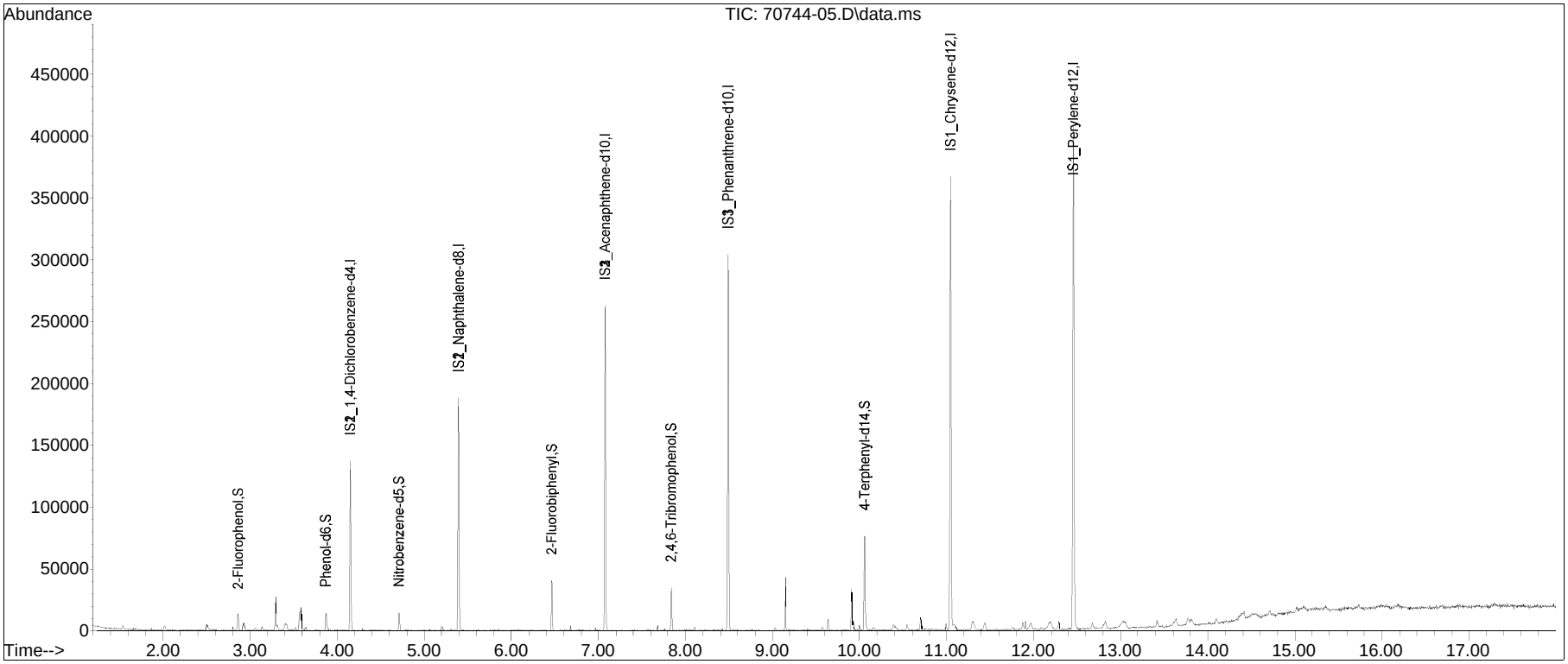
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-05.D
Acq On : 5 Dec 2024 3:19 pm
Operator : Dakota:ek
Sample : L2470744-05,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 06 19:56:29 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91205.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-05.D	Operator	: Dakota:ek
Date Inj'd	: 12/5/2024 3:19 pm	Instrument	: Dakota
Sample	: L2470744-05,32,,HNY	Quant Date	: 12/5/2024 3:37 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-06.D
Acq On : 5 Dec 2024 3:41 pm
Operator : Dakota:ek
Sample : L2470744-06,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 06 19:56:39 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.155	152	21031	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 85.49%				
27) IS2_1,4-Dichlorobenzen...	4.155	152	21031	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 84.16%				
37) IS1_Naphthalene-d8	5.392	136	76429	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 79.45%				
57) IS2_Naphthalene-d8	5.392	136	76429	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 79.91%				
65) IS1_Acenaphthene-d10	7.080	164	48320	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 77.85%				
85) IS2_Acenaphthene-d10	7.080	164	48320	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 78.09%				
88) IS3_Acenaphthene-d10	7.080	164	48320	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 92.18%				
90) IS1_Phenanthrene-d10	8.491	188	110013	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 80.70%				
102) IS3_Phenanthrene-d10	8.491	188	110013	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 93.00%				
106) IS1_Chrysene-d12	11.046	240	129899	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 78.78%				
115) IS1_Perylene-d12	12.454	264	151867	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 77.28%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.859	112	4714	0.872	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 43.60%				
7) Phenol-d6	3.872	99	4373	0.632	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.60%				
19) Nitrobenzene-d5	4.711	82	4835	0.769	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 76.90%				
48) 2-Fluorobiphenyl	6.464	172	13986	0.739	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.90%				
81) 2,4,6-Tribromophenol	7.838	330	4709	1.363	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 68.15%				
98) 4-Terphenyl-d14	10.061	244	28456	0.894	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 89.40%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-06.D
Acq On : 5 Dec 2024 3:41 pm
Operator : Dakota:ek
Sample : L2470744-06,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 06 19:56:39 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.	d	
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-06.D
Acq On : 5 Dec 2024 3:41 pm
Operator : Dakota:ek
Sample : L2470744-06,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 06 19:56:39 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
79) NDPA/DPA	0.000		0	N.D.		
82) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
93) Carbazole	0.000		0	N.D.		
94) Di-n-butylphthalate	0.000		0	N.D.	d	
99) Butyl benzyl phthalate	0.000		0	N.D.		
108) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
110) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.		
111) Di-n-octylphthalate	0.000		0	N.D.	d	

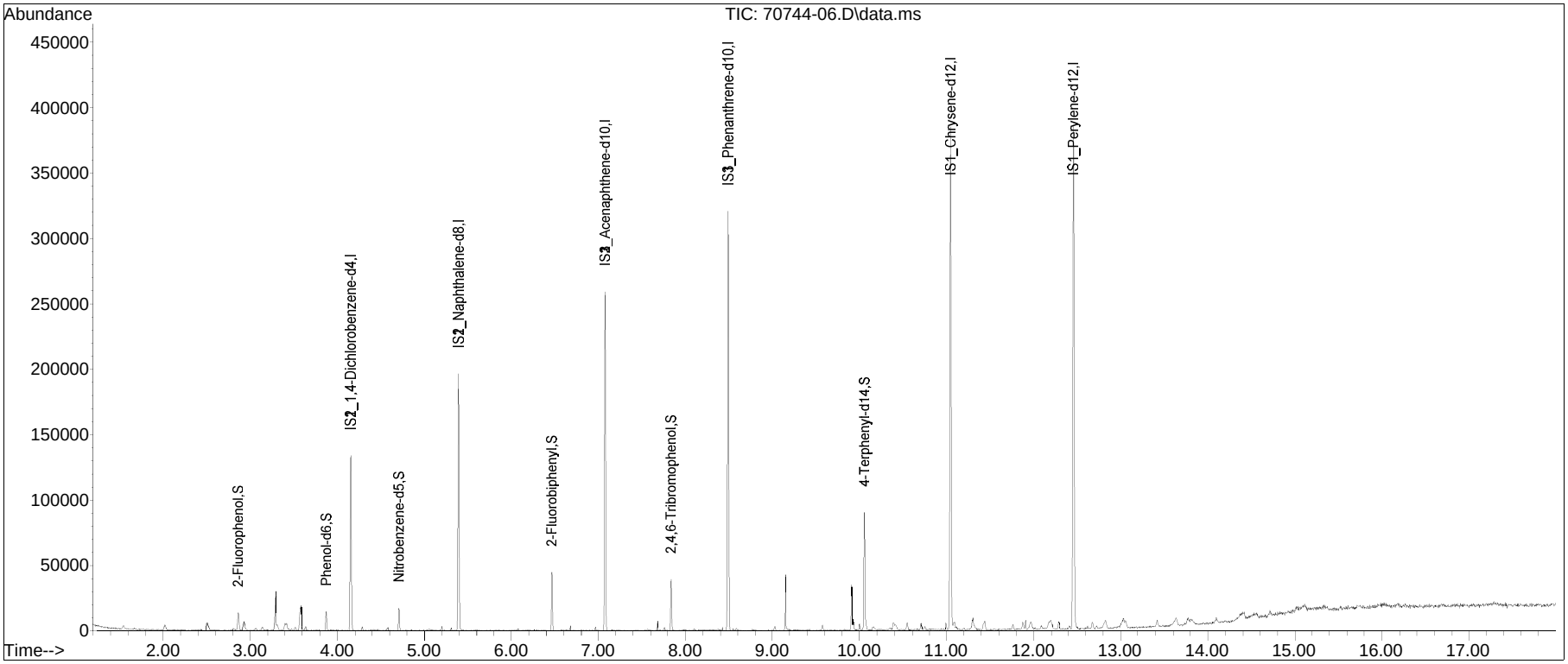
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-06.D
Acq On : 5 Dec 2024 3:41 pm
Operator : Dakota:ek
Sample : L2470744-06,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 06 19:56:39 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91205.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-06.D	Operator	: Dakota:ek
Date Inj'd	: 12/5/2024 3:41 pm	Instrument	: Dakota
Sample	: L2470744-06,32,,HNY	Quant Date	: 12/5/2024 3:59 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-07.D
Acq On : 5 Dec 2024 4:03 pm
Operator : Dakota:ek
Sample : L2470744-07,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 06 19:56:48 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	22291	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 90.61%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	22291	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 89.20%				
37) IS1_Naphthalene-d8	5.392	136	82248	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 85.50%				
57) IS2_Naphthalene-d8	5.392	136	82248	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 85.99%				
65) IS1_Acenaphthene-d10	7.080	164	51536	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 83.03%				
85) IS2_Acenaphthene-d10	7.080	164	51536	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 83.29%				
88) IS3_Acenaphthene-d10	7.080	164	51536	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 98.32%				
90) IS1_Phenanthrene-d10	8.491	188	114693	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 84.14%				
102) IS3_Phenanthrene-d10	8.491	188	114693	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 96.96%				
106) IS1_Chrysene-d12	11.046	240	133782	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 81.13%				
115) IS1_Perylene-d12	12.454	264	153246	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 77.98%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.862	112	4542	0.793	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 39.65%				
7) Phenol-d6	3.869	99	4215	0.574	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 28.70%				
19) Nitrobenzene-d5	4.711	82	5061	0.760	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 76.00%				
48) 2-Fluorobiphenyl	6.468	172	13531	0.665	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.50%				
81) 2,4,6-Tribromophenol	7.841	330	4360	1.184	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 59.20%				
98) 4-Terphenyl-d14	10.060	244	26291	0.792	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.20%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-07.D
Acq On : 5 Dec 2024 4:03 pm
Operator : Dakota:ek
Sample : L2470744-07,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 06 19:56:48 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.	d	
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-07.D
Acq On : 5 Dec 2024 4:03 pm
Operator : Dakota:ek
Sample : L2470744-07,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 06 19:56:48 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77)	4-Nitroaniline	0.000		0		N.D.	
78)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
79)	NDPA/DPA	0.000		0		N.D.	
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D.	
94)	Di-n-butylphthalate	0.000		0		N.D.	d
99)	Butyl benzyl phthalate	0.000		0		N.D.	
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
111)	Di-n-octylphthalate	0.000		0		N.D.	d

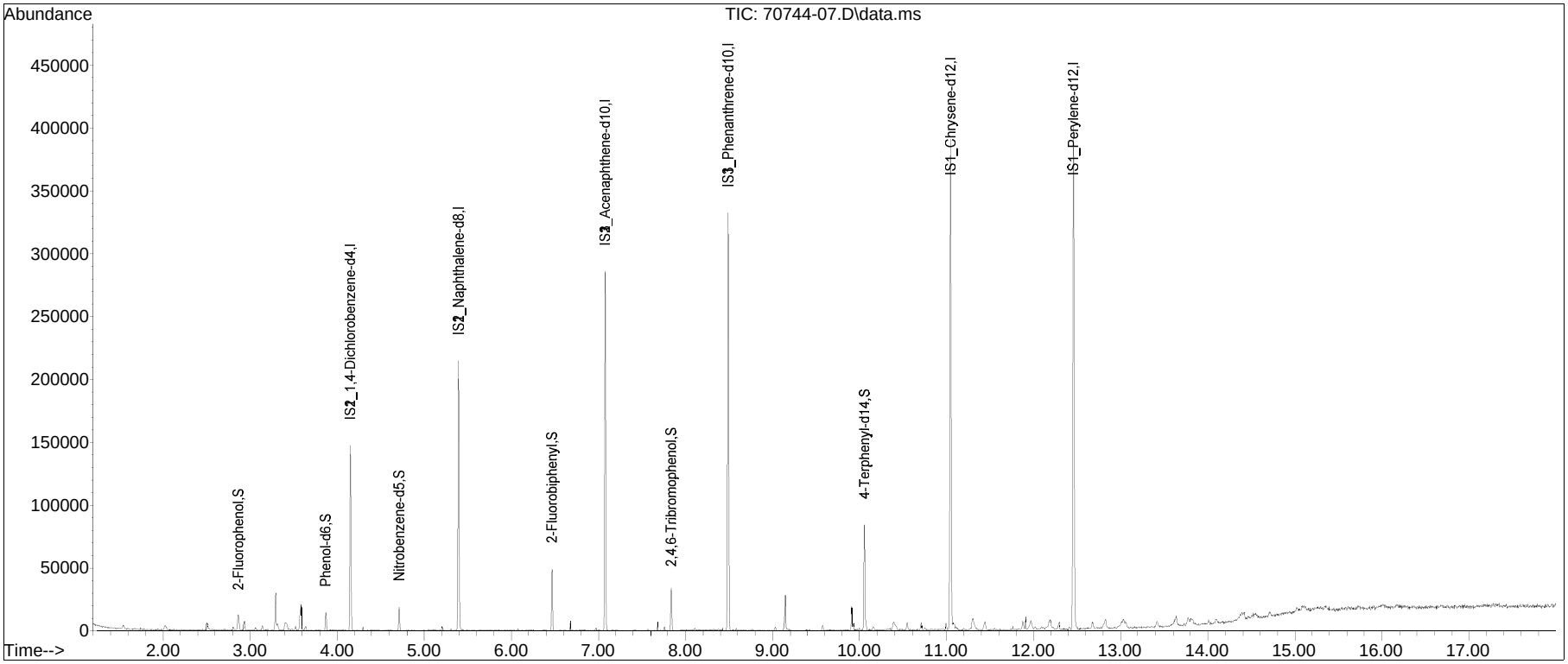
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-07.D
Acq On : 5 Dec 2024 4:03 pm
Operator : Dakota:ek
Sample : L2470744-07,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 06 19:56:48 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91205.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-07.D	Operator	: Dakota:ek
Date Inj'd	: 12/5/2024 4:03 pm	Instrument	: Dakota
Sample	: L2470744-07,32,,HNY	Quant Date	: 12/5/2024 4:22 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-08.D
Acq On : 5 Dec 2024 4:26 pm
Operator : Dakota:ek
Sample : L2470744-08,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 06 19:56:56 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	21639	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 87.96%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	21639	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 86.59%				
37) IS1_Naphthalene-d8	5.392	136	80436	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 83.62%				
57) IS2_Naphthalene-d8	5.392	136	80436	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 84.10%				
65) IS1_Acenaphthene-d10	7.080	164	51124	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 82.37%				
85) IS2_Acenaphthene-d10	7.080	164	51124	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 82.62%				
88) IS3_Acenaphthene-d10	7.080	164	51124	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 97.53%				
90) IS1_Phenanthrene-d10	8.491	188	111098	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 81.50%				
102) IS3_Phenanthrene-d10	8.491	188	111098	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 93.92%				
106) IS1_Chrysene-d12	11.046	240	131827	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 79.95%				
115) IS1_Perylene-d12	12.454	264	155665	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 79.21%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.859	112	4258	0.765	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 38.25%				
7) Phenol-d6	3.872	99	4362	0.612	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.60%				
19) Nitrobenzene-d5	4.712	82	5014	0.776	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 77.60%				
48) 2-Fluorobiphenyl	6.468	172	14043	0.705	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.50%				
81) 2,4,6-Tribromophenol	7.838	330	4613	1.262	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 63.10%				
98) 4-Terphenyl-d14	10.061	244	27650	0.860	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 86.00%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-08.D
Acq On : 5 Dec 2024 4:26 pm
Operator : Dakota:ek
Sample : L2470744-08,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 06 19:56:56 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-08.D
Acq On : 5 Dec 2024 4:26 pm
Operator : Dakota:ek
Sample : L2470744-08,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 06 19:56:56 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77)	4-Nitroaniline	0.000		0		N.D.	
78)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
79)	NDPA/DPA	0.000		0		N.D.	
82)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
93)	Carbazole	0.000		0		N.D.	
94)	Di-n-butylphthalate	0.000		0		N.D.	d
99)	Butyl benzyl phthalate	0.000		0		N.D.	
108)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
110)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
111)	Di-n-octylphthalate	0.000		0		N.D.	d

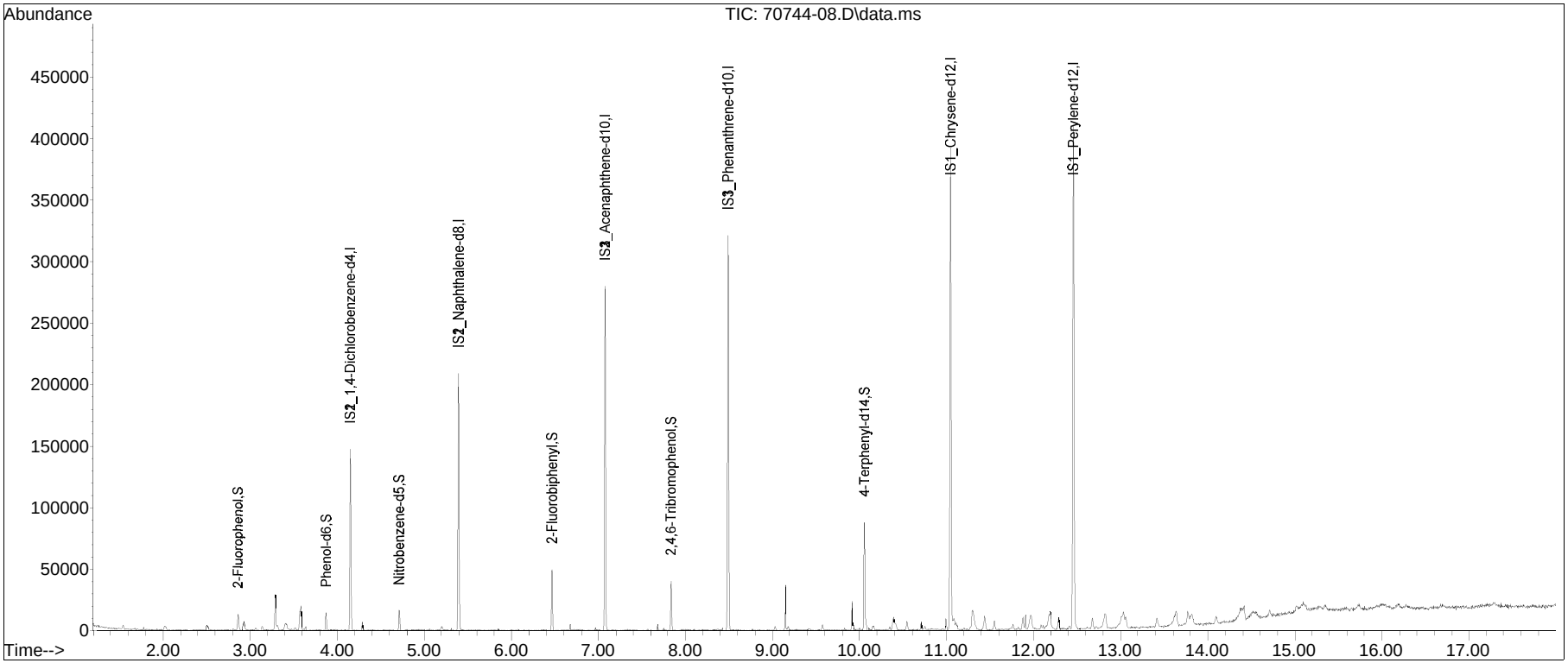
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-08.D
Acq On : 5 Dec 2024 4:26 pm
Operator : Dakota:ek
Sample : L2470744-08,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 06 19:56:56 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91205.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-08.D	Operator	: Dakota:ek
Date Inj'd	: 12/5/2024 4:26 pm	Instrument	: Dakota
Sample	: L2470744-08,32,,HNY	Quant Date	: 12/5/2024 4:44 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-09.D
Acq On : 5 Dec 2024 4:49 pm
Operator : Dakota:ek
Sample : L2470744-09,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 06 19:57:06 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	21964	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 89.28%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	21964	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 87.89%				
37) IS1_Naphthalene-d8	5.392	136	81604	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 84.83%				
57) IS2_Naphthalene-d8	5.392	136	81604	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 85.32%				
65) IS1_Acenaphthene-d10	7.080	164	50245	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 80.95%				
85) IS2_Acenaphthene-d10	7.080	164	50245	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 81.20%				
88) IS3_Acenaphthene-d10	7.080	164	50245	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 95.85%				
90) IS1_Phenanthrene-d10	8.491	188	114871	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 84.27%				
102) IS3_Phenanthrene-d10	8.491	188	114871	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 97.11%				
106) IS1_Chrysene-d12	11.046	240	132176	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 80.16%				
115) IS1_Perylene-d12	12.454	264	154700	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 78.72%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.859	112	4957	0.878	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 43.90%				
7) Phenol-d6	3.872	99	4364	0.603	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.15%				
19) Nitrobenzene-d5	4.711	82	5294	0.807	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 80.70%				
48) 2-Fluorobiphenyl	6.468	172	13827	0.685	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.50%				
81) 2,4,6-Tribromophenol	7.838	330	5098	1.419	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 70.95%				
98) 4-Terphenyl-d14	10.060	244	28164	0.847	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 84.70%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-09.D
Acq On : 5 Dec 2024 4:49 pm
Operator : Dakota:ek
Sample : L2470744-09,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 06 19:57:06 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-09.D
Acq On : 5 Dec 2024 4:49 pm
Operator : Dakota:ek
Sample : L2470744-09,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 06 19:57:06 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
79) NDPA/DPA	0.000		0	N.D.		
82) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
93) Carbazole	0.000		0	N.D.		
94) Di-n-butylphthalate	0.000		0	N.D.	d	
99) Butyl benzyl phthalate	0.000		0	N.D.		
108) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
110) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111) Di-n-octylphthalate	0.000		0	N.D.	d	

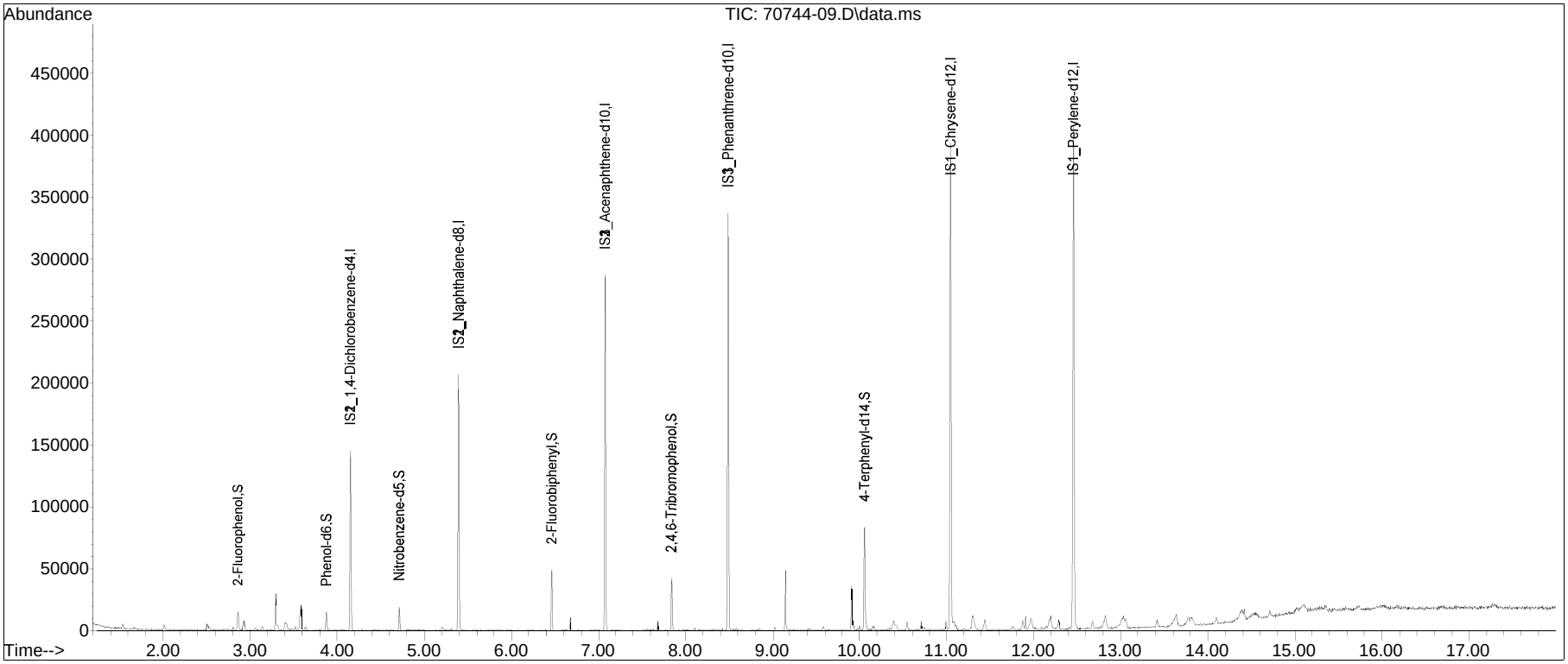
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-09.D
Acq On : 5 Dec 2024 4:49 pm
Operator : Dakota:ek
Sample : L2470744-09,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 06 19:57:06 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91205.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-09.D	Operator	: Dakota:ek
Date Inj'd	: 12/5/2024 4:49 pm	Instrument	: Dakota
Sample	: L2470744-09,32,,HNY	Quant Date	: 12/5/2024 5:07 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-10.D
Acq On : 5 Dec 2024 5:11 pm
Operator : Dakota:ek
Sample : L2470744-10,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 06 19:57:16 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	20518	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 83.40%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	20518	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 82.10%				
37) IS1_Naphthalene-d8	5.392	136	77319	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 80.38%				
57) IS2_Naphthalene-d8	5.392	136	77319	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 80.84%				
65) IS1_Acenaphthene-d10	7.080	164	48408	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 77.99%				
85) IS2_Acenaphthene-d10	7.080	164	48408	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 78.23%				
88) IS3_Acenaphthene-d10	7.080	164	48408	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 92.35%				
90) IS1_Phenanthrene-d10	8.491	188	109460	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 80.30%				
102) IS3_Phenanthrene-d10	8.491	188	109460	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 92.53%				
106) IS1_Chrysene-d12	11.046	240	130762	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 79.30%				
115) IS1_Perylene-d12	12.454	264	153992	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 78.36%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.856	112	3890	0.737	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 36.85%				
7) Phenol-d6	3.872	99	3887	0.575	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 28.75%				
19) Nitrobenzene-d5	4.711	82	4170	0.680	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.00%				
48) 2-Fluorobiphenyl	6.467	172	12446	0.650	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.00%				
81) 2,4,6-Tribromophenol	7.838	330	3982	1.151	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 57.55%				
98) 4-Terphenyl-d14	10.060	244	24843	0.784	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 78.40%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-10.D
Acq On : 5 Dec 2024 5:11 pm
Operator : Dakota:ek
Sample : L2470744-10,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 06 19:57:16 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-10.D
Acq On : 5 Dec 2024 5:11 pm
Operator : Dakota:ek
Sample : L2470744-10,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 06 19:57:16 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
79) NDPA/DPA	0.000		0	N.D.		
82) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
93) Carbazole	0.000		0	N.D.		
94) Di-n-butylphthalate	0.000		0	N.D.	d	
99) Butyl benzyl phthalate	0.000		0	N.D.		
108) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
110) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111) Di-n-octylphthalate	0.000		0	N.D.	d	

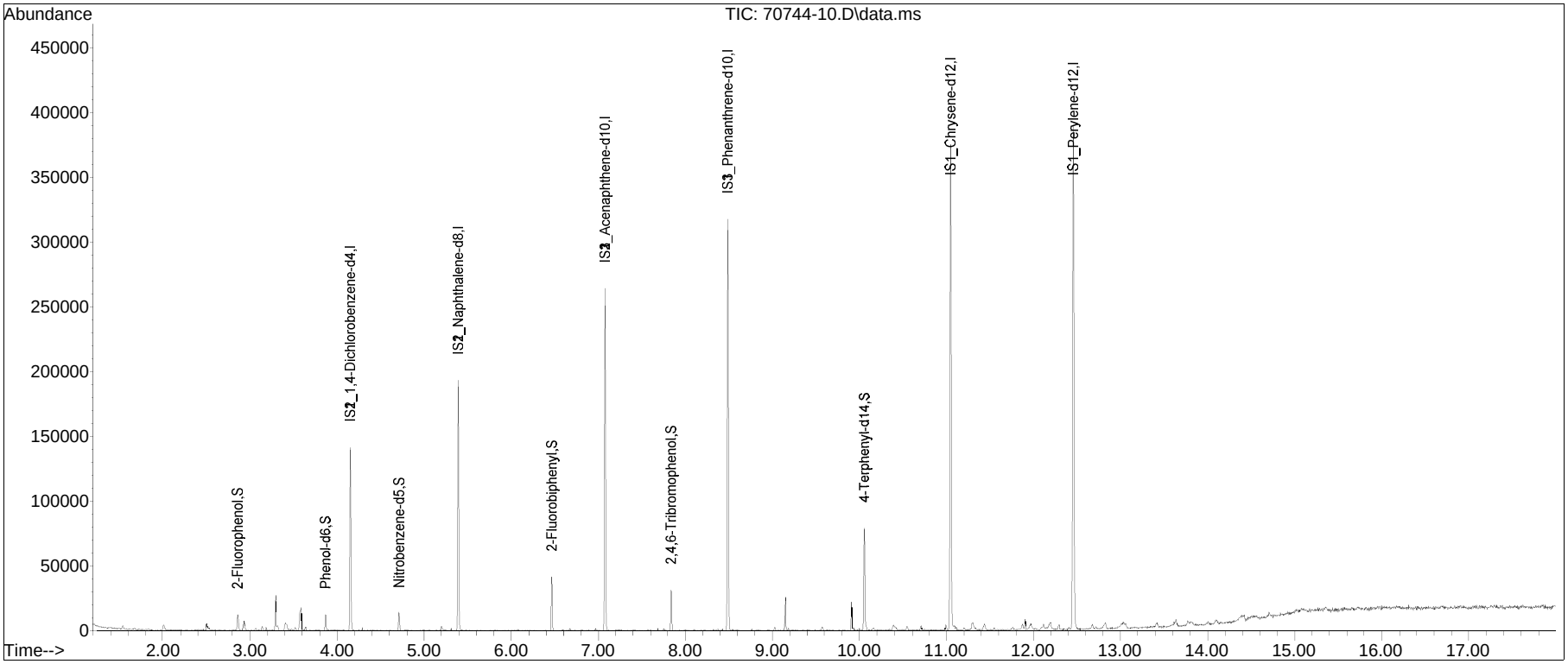
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-10.D
Acq On : 5 Dec 2024 5:11 pm
Operator : Dakota:ek
Sample : L2470744-10,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 06 19:57:16 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91205.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-10.D	Operator	: Dakota:ek
Date Inj'd	: 12/5/2024 5:11 pm	Instrument	: Dakota
Sample	: L2470744-10,32,,HNY	Quant Date	: 12/5/2024 5:29 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-11.D
Acq On : 5 Dec 2024 5:34 pm
Operator : Dakota:ek
Sample : L2470744-11,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 06 19:57:50 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	20329	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 82.63%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	20329	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 81.35%				
37) IS1_Naphthalene-d8	5.392	136	77075	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 80.12%				
57) IS2_Naphthalene-d8	5.392	136	77075	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 80.58%				
65) IS1_Acenaphthene-d10	7.080	164	50378	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 81.17%				
85) IS2_Acenaphthene-d10	7.080	164	50378	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 81.42%				
88) IS3_Acenaphthene-d10	7.080	164	50378	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 96.11%				
90) IS1_Phenanthrene-d10	8.491	188	111718	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 81.96%				
102) IS3_Phenanthrene-d10	8.491	188	111718	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 94.44%				
106) IS1_Chrysene-d12	11.046	240	134828	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 81.77%				
115) IS1_Perylene-d12	12.454	264	158814	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 80.82%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.859	112	5325	1.019	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.95%				
7) Phenol-d6	3.872	99	4896	0.731	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 36.55%				
19) Nitrobenzene-d5	4.708	82	4886	0.804	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 80.40%				
48) 2-Fluorobiphenyl	6.467	172	13550	0.710	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.00%				
81) 2,4,6-Tribromophenol	7.838	330	6503	1.806	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 90.30%				
98) 4-Terphenyl-d14	10.060	244	27900	0.863	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 86.30%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-11.D
Acq On : 5 Dec 2024 5:34 pm
Operator : Dakota:ek
Sample : L2470744-11,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 06 19:57:50 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	3.885	94	6066	0.840	ug/ml	94
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	4.475	108	4676	0.852	ug/ml	99
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	4.634	108	3207	0.534	ug/ml#	91
20) Nitrobenzene	0.000		0	N.D.	d	
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.	d	
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.	d	
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-11.D
Acq On : 5 Dec 2024 5:34 pm
Operator : Dakota:ek
Sample : L2470744-11,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 06 19:57:50 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
79) NDPA/DPA	0.000		0	N.D.		
82) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
93) Carbazole	0.000		0	N.D.		
94) Di-n-butylphthalate	0.000		0	N.D.	d	
99) Butyl benzyl phthalate	0.000		0	N.D.		
108) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
110) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111) Di-n-octylphthalate	0.000		0	N.D.	d	

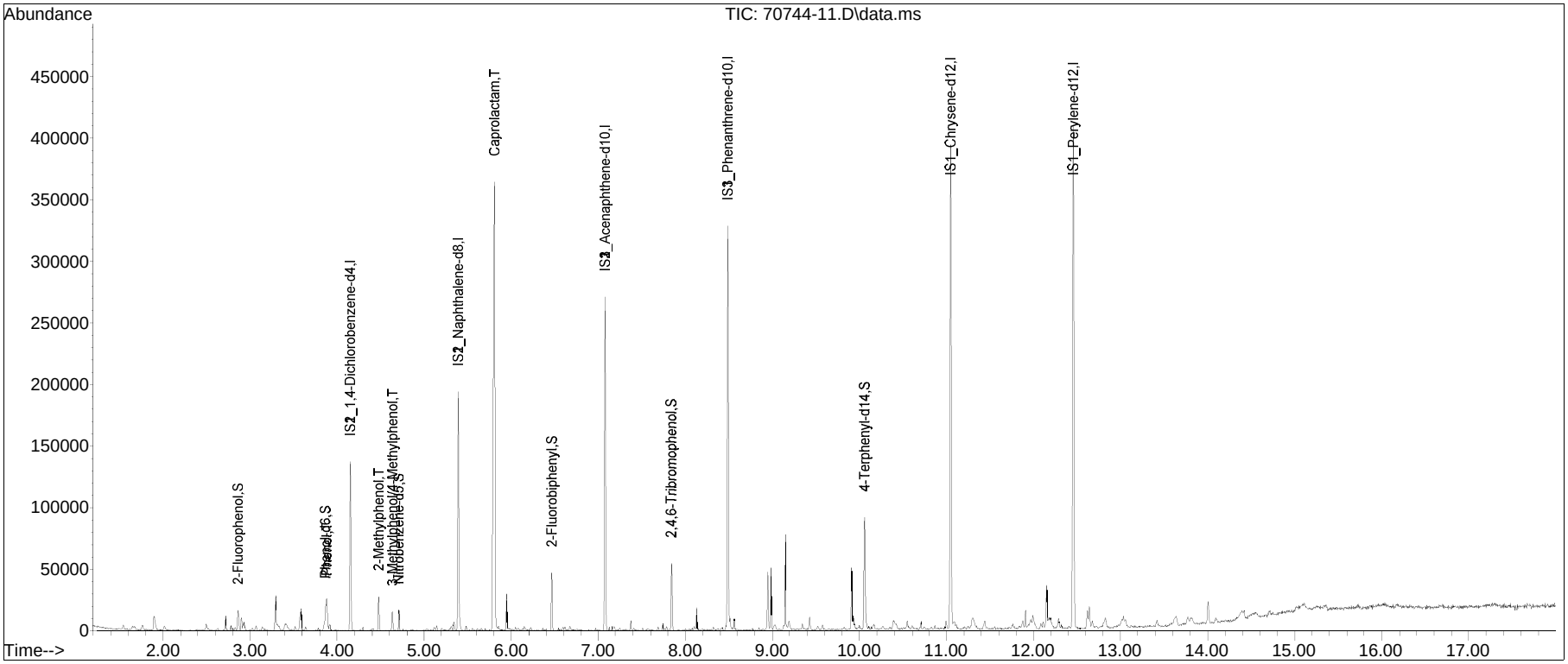
(#) = qualifier out of range (m) = manual integration (+) = signals summed

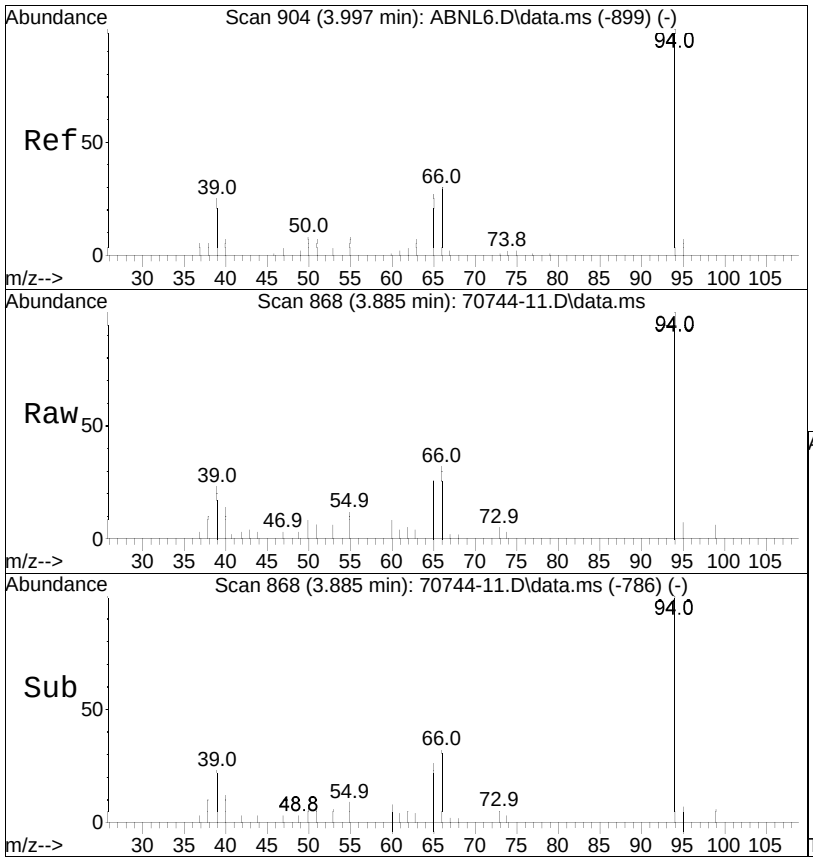
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-11.D
Acq On : 5 Dec 2024 5:34 pm
Operator : Dakota:ek
Sample : L2470744-11,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 06 19:57:50 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91205.D•

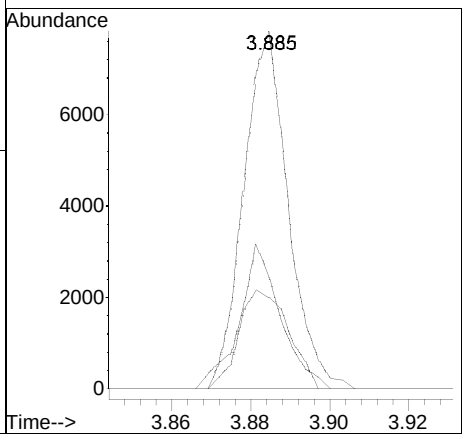


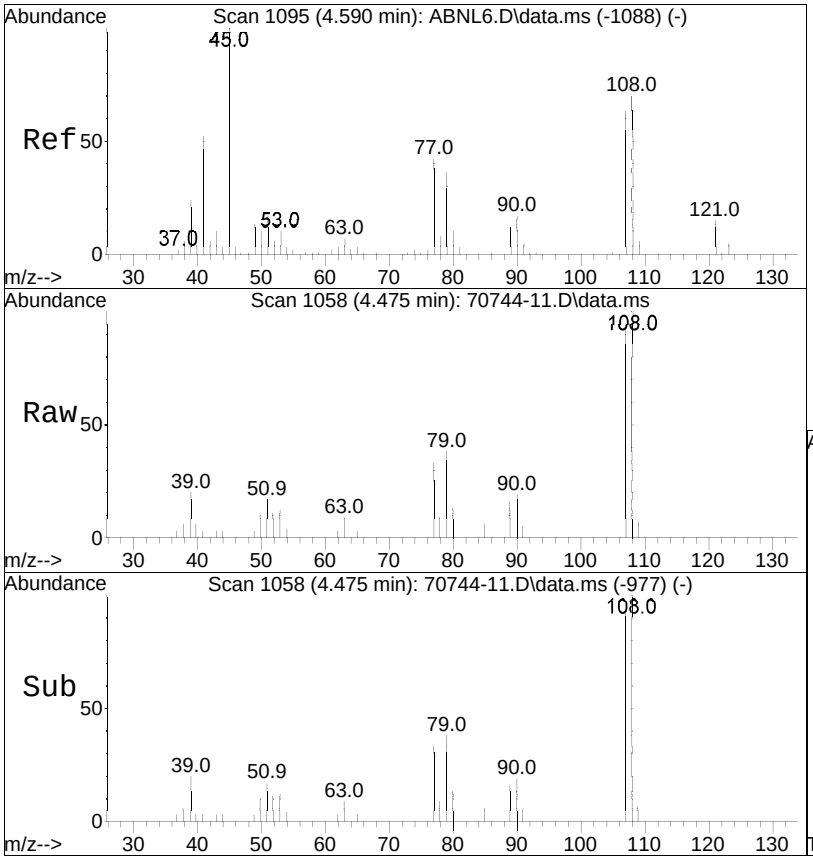


#8
Phenol
Concen: 0.84 ug/ml
RT: 3.885 min Scan# 868
Delta R.T. 0.006 min
Lab File: 70744-11.D
Acq: 5 Dec 2024 5:34 pm

Tgt Ion: 94 Resp: 6066

Ion	Ratio	Lower	Upper
94	100		
65	30.9	26.0	39.0
66	37.5	33.8	50.8

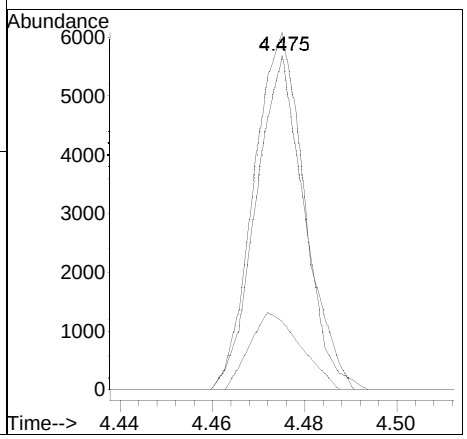


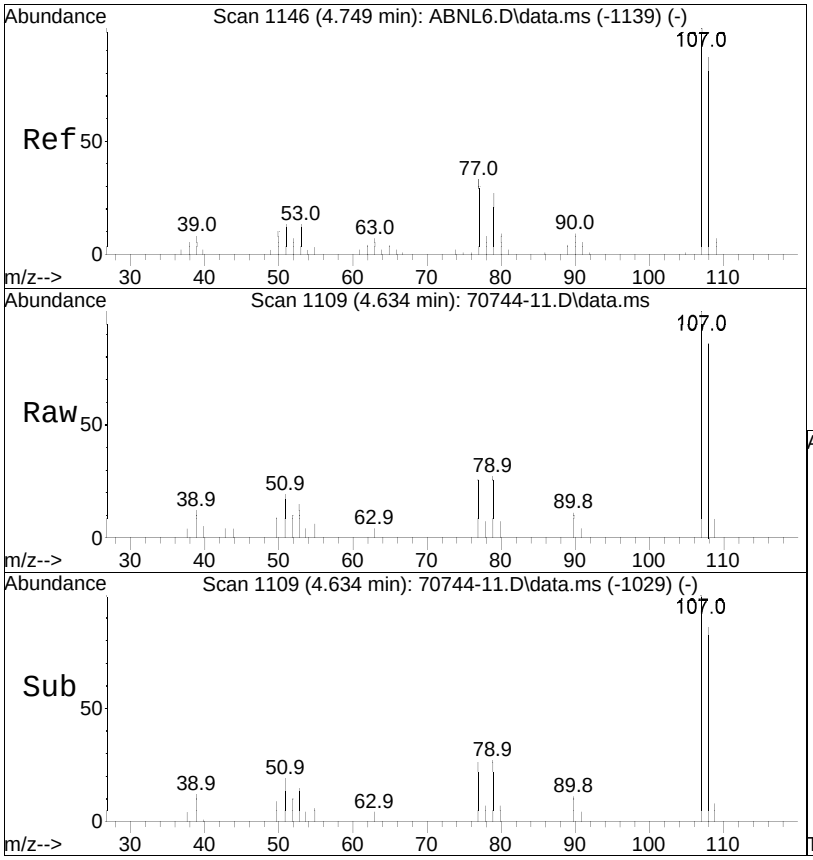


#15
2-Methylphenol
Concen: 0.85 ug/ml
RT: 4.475 min Scan# 1058
Delta R.T. 0.003 min
Lab File: 70744-11.D
Acq: 5 Dec 2024 5:34 pm

Tgt Ion:108 Resp: 4676

Ion	Ratio	Lower	Upper
108	100		
107	87.9	70.7	106.1
90	21.6	18.7	28.1

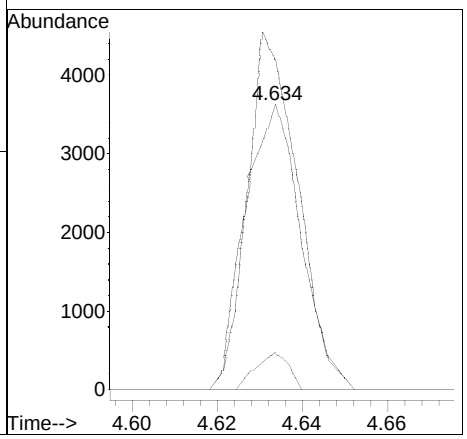




#18
3-Methylphenol/4-Methylphenol
Concen: 0.53 ug/ml
RT: 4.634 min Scan# 1109
Delta R.T. -0.000 min
Lab File: 70744-11.D
Acq: 5 Dec 2024 5:34 pm

Tgt Ion:108 Resp: 3207

Ion	Ratio	Lower	Upper
108	100		
107	118.3	88.6	132.8
90	0.0	8.8	13.2#



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-12.D
Acq On : 5 Dec 2024 5:56 pm
Operator : Dakota:ek
Sample : L2470744-12,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 06 19:58:02 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	20055	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 81.52%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	20055	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 80.25%				
37) IS1_Naphthalene-d8	5.392	136	72988	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 75.88%				
57) IS2_Naphthalene-d8	5.392	136	72988	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 76.31%				
65) IS1_Acenaphthene-d10	7.080	164	48382	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 77.95%				
85) IS2_Acenaphthene-d10	7.080	164	48382	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 78.19%				
88) IS3_Acenaphthene-d10	7.080	164	48382	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 92.30%				
90) IS1_Phenanthrene-d10	8.491	188	106773	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 78.33%				
102) IS3_Phenanthrene-d10	8.491	188	106773	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 90.26%				
106) IS1_Chrysene-d12	11.046	240	130972	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 79.43%				
115) IS1_Perylene-d12	12.454	264	155949	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 79.36%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.859	112	4708	0.913	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.65%				
7) Phenol-d6	3.869	99	4007	0.607	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.35%				
19) Nitrobenzene-d5	4.708	82	4765	0.795	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.50%				
48) 2-Fluorobiphenyl	6.467	172	13302	0.736	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.60%				
81) 2,4,6-Tribromophenol	7.838	330	5392	1.559	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 77.95%				
98) 4-Terphenyl-d14	10.060	244	27867	0.902	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 90.20%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-12.D
Acq On : 5 Dec 2024 5:56 pm
Operator : Dakota:ek
Sample : L2470744-12,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 06 19:58:02 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-12.D
Acq On : 5 Dec 2024 5:56 pm
Operator : Dakota:ek
Sample : L2470744-12,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 06 19:58:02 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77) 4-Nitroaniline	0.000		0		N.D.	
78) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
79) NDPA/DPA	0.000		0		N.D.	
82) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
93) Carbazole	0.000		0		N.D.	
94) Di-n-butylphthalate	0.000		0		N.D.	d
99) Butyl benzyl phthalate	0.000		0		N.D.	
108) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
110) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
111) Di-n-octylphthalate	0.000		0		N.D.	d

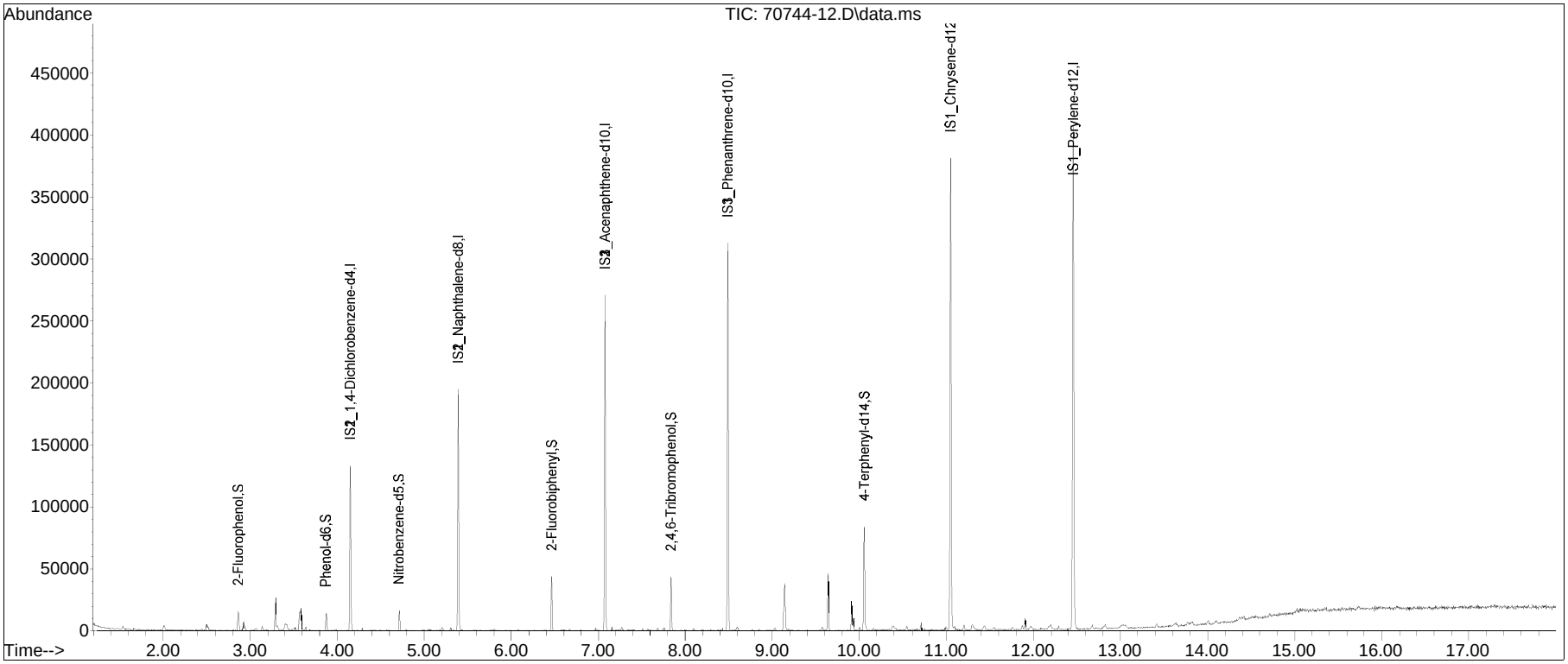
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 70744-12.D
Acq On : 5 Dec 2024 5:56 pm
Operator : Dakota:ek
Sample : L2470744-12,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 06 19:58:02 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91205.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-12.D	Operator	: Dakota:ek
Date Inj'd	: 12/5/2024 5:56 pm	Instrument	: Dakota
Sample	: L2470744-12,32,,HNY	Quant Date	: 12/5/2024 6:15 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-15.D
Acq On : 6 Dec 2024 5:54 am
Operator : Dakota:ek
Sample : L2470744-15,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 06 20:02:58 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	21455	4.000	ug/ml		0.00
Standard Area 1 = 20744			Recovery = 103.43%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	21455	4.000	ug/ml		0.00
Standard Area 3 = 20895			Recovery = 102.68%				
37) IS1_Naphthalene-d8	5.392	136	79726	4.000	ug/ml	#	0.00
Standard Area 1 = 79608			Recovery = 100.15%				
57) IS2_Naphthalene-d8	5.392	136	79726	4.000	ug/ml	#	0.00
Standard Area 3 = 77460			Recovery = 102.93%				
65) IS1_Acenaphthene-d10	7.080	164	51167	4.000	ug/ml		0.00
Standard Area 1 = 54276			Recovery = 94.27%				
85) IS2_Acenaphthene-d10	7.080	164	51167	4.000	ug/ml		0.00
Standard Area 3 = 50300			Recovery = 101.72%				
88) IS3_Acenaphthene-d10	7.080	164	51167	4.000	ug/ml		0.00
Standard Area 2 = 49437			Recovery = 103.50%				
90) IS1_Phenanthrene-d10	8.491	188	114204	4.000	ug/ml		0.00
Standard Area 1 = 119869			Recovery = 95.27%				
102) IS3_Phenanthrene-d10	8.491	188	114204	4.000	ug/ml		0.00
Standard Area 2 = 107755			Recovery = 105.98%				
106) IS1_Chrysene-d12	11.042	240	138230	4.000	ug/ml		0.00
Standard Area 1 = 152226			Recovery = 90.81%				
115) IS1_Perylene-d12	12.450	264	170677	4.000	ug/ml		0.00
Standard Area 1 = 181009			Recovery = 94.29%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.856	112	3916	0.710	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 35.50%				
7) Phenol-d6	3.866	99	3903	0.553	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.65%				
19) Nitrobenzene-d5	4.708	82	5097	0.795	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.50%				
48) 2-Fluorobiphenyl	6.464	172	14488	0.734	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.40%				
81) 2,4,6-Tribromophenol	7.838	330	4408	1.205	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 60.25%				
98) 4-Terphenyl-d14	10.057	244	29297	0.887	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 88.70%				

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-15.D
Acq On : 6 Dec 2024 5:54 am
Operator : Dakota:ek
Sample : L2470744-15,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 06 20:02:58 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-15.D
Acq On : 6 Dec 2024 5:54 am
Operator : Dakota:ek
Sample : L2470744-15,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 06 20:02:58 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77) 4-Nitroaniline	0.000		0		N.D.	
78) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
79) NDPA/DPA	0.000		0		N.D.	
82) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
93) Carbazole	0.000		0		N.D.	
94) Di-n-butylphthalate	0.000		0		N.D.	d
99) Butyl benzyl phthalate	0.000		0		N.D.	
108) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
110) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
111) Di-n-octylphthalate	0.000		0		N.D.	d

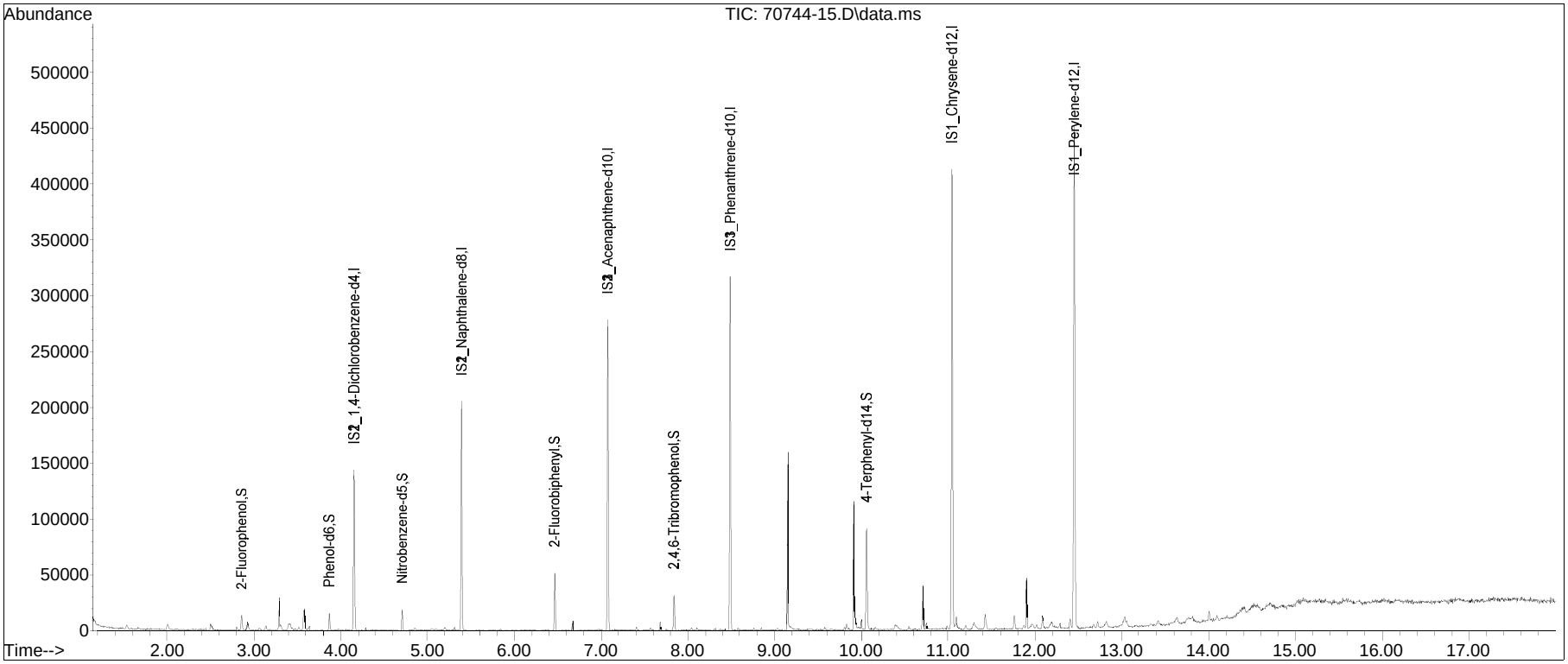
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-15.D
Acq On : 6 Dec 2024 5:54 am
Operator : Dakota:ek
Sample : L2470744-15,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 06 20:02:58 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAAP91205n.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-15.D	Operator	: Dakota:ek
Date Inj'd	: 12/6/2024 5:54 am	Instrument	: Dakota
Sample	: L2470744-15,32,,ASK	Quant Date	: 12/6/2024 6:13 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-16.D
Acq On : 6 Dec 2024 6:17 am
Operator : Dakota:ek
Sample : L2470744-16,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 06 20:03:10 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	20726	4.000	ug/ml		0.00
Standard Area 1 = 20744			Recovery = 99.91%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	20726	4.000	ug/ml		0.00
Standard Area 3 = 20895			Recovery = 99.19%				
37) IS1_Naphthalene-d8	5.392	136	80346	4.000	ug/ml	#	0.00
Standard Area 1 = 79608			Recovery = 100.93%				
57) IS2_Naphthalene-d8	5.392	136	80346	4.000	ug/ml	#	0.00
Standard Area 3 = 77460			Recovery = 103.73%				
65) IS1_Acenaphthene-d10	7.079	164	52810	4.000	ug/ml		0.00
Standard Area 1 = 54276			Recovery = 97.30%				
85) IS2_Acenaphthene-d10	7.079	164	52810	4.000	ug/ml		0.00
Standard Area 3 = 50300			Recovery = 104.99%				
88) IS3_Acenaphthene-d10	7.079	164	52810	4.000	ug/ml		0.00
Standard Area 2 = 49437			Recovery = 106.82%				
90) IS1_Phenanthrene-d10	8.491	188	115769	4.000	ug/ml		0.00
Standard Area 1 = 119869			Recovery = 96.58%				
102) IS3_Phenanthrene-d10	8.491	188	115769	4.000	ug/ml		0.00
Standard Area 2 = 107755			Recovery = 107.44%				
106) IS1_Chrysene-d12	11.042	240	141762	4.000	ug/ml		0.00
Standard Area 1 = 152226			Recovery = 93.13%				
115) IS1_Perylene-d12	12.453	264	172081	4.000	ug/ml		0.00
Standard Area 1 = 181009			Recovery = 95.07%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.856	112	4840	0.908	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.40%				
7) Phenol-d6	3.866	99	4683	0.686	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 34.30%				
19) Nitrobenzene-d5	4.711	82	5058	0.817	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 81.70%				
48) 2-Fluorobiphenyl	6.464	172	14504	0.729	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.90%				
81) 2,4,6-Tribromophenol	7.838	330	5344	1.416	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 70.80%				
98) 4-Terphenyl-d14	10.057	244	28594	0.854	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 85.40%				

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-16.D
Acq On : 6 Dec 2024 6:17 am
Operator : Dakota:ek
Sample : L2470744-16,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 06 20:03:10 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-16.D
Acq On : 6 Dec 2024 6:17 am
Operator : Dakota:ek
Sample : L2470744-16,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 06 20:03:10 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77) 4-Nitroaniline	0.000		0		N.D.	
78) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
79) NDPA/DPA	0.000		0		N.D.	
82) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
93) Carbazole	0.000		0		N.D.	
94) Di-n-butylphthalate	0.000		0		N.D.	d
99) Butyl benzyl phthalate	0.000		0		N.D.	
108) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
110) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
111) Di-n-octylphthalate	0.000		0		N.D.	d

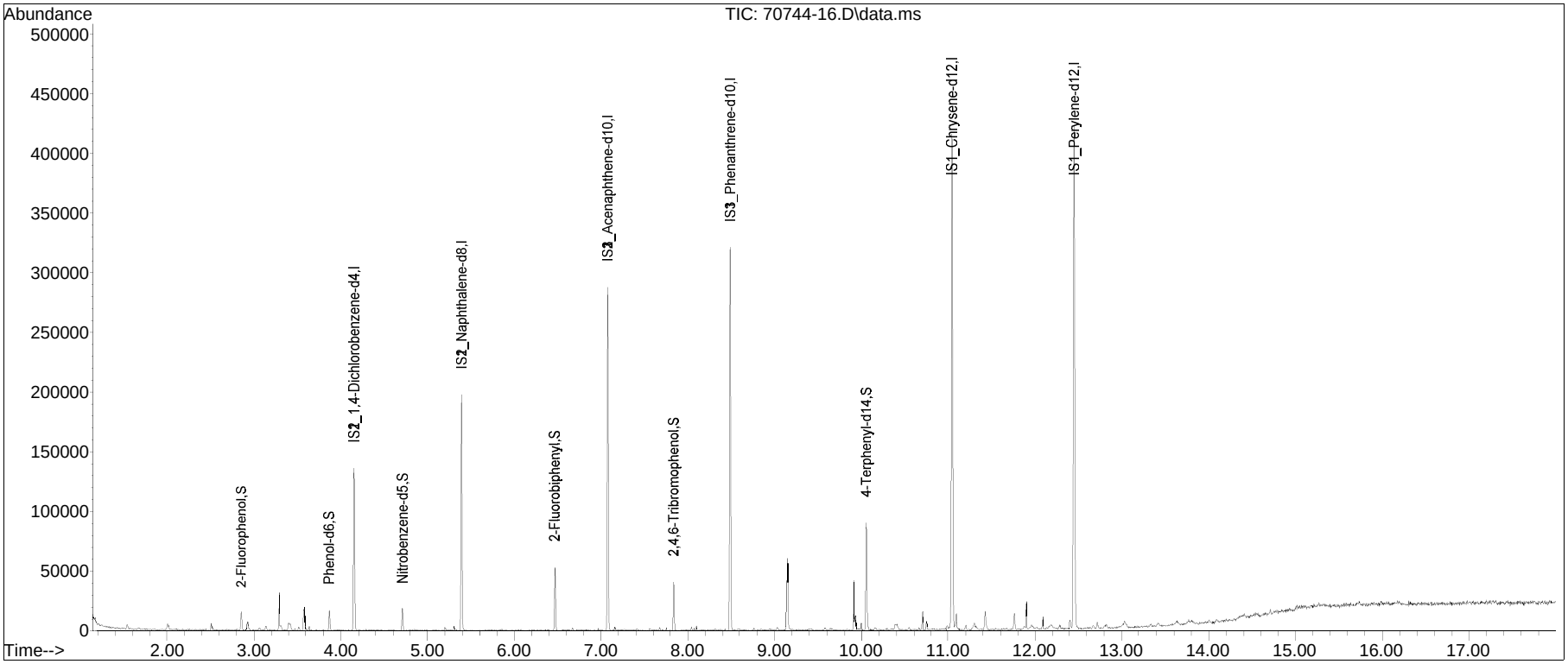
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-16.D
Acq On : 6 Dec 2024 6:17 am
Operator : Dakota:ek
Sample : L2470744-16,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 06 20:03:10 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAAP91205n.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-16.D	Operator	: Dakota:ek
Date Inj'd	: 12/6/2024 6:17 am	Instrument	: Dakota
Sample	: L2470744-16,32,,ASK	Quant Date	: 12/6/2024 6:35 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-17.D
Acq On : 6 Dec 2024 6:40 am
Operator : Dakota:ek
Sample : L2470744-17,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 06 20:03:24 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	19219	4.000	ug/ml		0.00
Standard Area 1 = 20744			Recovery = 92.65%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	19219	4.000	ug/ml		0.00
Standard Area 3 = 20895			Recovery = 91.98%				
37) IS1_Naphthalene-d8	5.392	136	70172	4.000	ug/ml	#	0.00
Standard Area 1 = 79608			Recovery = 88.15%				
57) IS2_Naphthalene-d8	5.392	136	70172	4.000	ug/ml		0.00
Standard Area 3 = 77460			Recovery = 90.59%				
65) IS1_Acenaphthene-d10	7.080	164	45849	4.000	ug/ml		0.00
Standard Area 1 = 54276			Recovery = 84.47%				
85) IS2_Acenaphthene-d10	7.080	164	45849	4.000	ug/ml		0.00
Standard Area 3 = 50300			Recovery = 91.15%				
88) IS3_Acenaphthene-d10	7.080	164	45849	4.000	ug/ml		0.00
Standard Area 2 = 49437			Recovery = 92.74%				
90) IS1_Phenanthrene-d10	8.491	188	104282	4.000	ug/ml		0.00
Standard Area 1 = 119869			Recovery = 87.00%				
102) IS3_Phenanthrene-d10	8.491	188	104282	4.000	ug/ml		0.00
Standard Area 2 = 107755			Recovery = 96.78%				
106) IS1_Chrysene-d12	11.042	240	124987	4.000	ug/ml		0.00
Standard Area 1 = 152226			Recovery = 82.11%				
115) IS1_Perylene-d12	12.450	264	150689	4.000	ug/ml		0.00
Standard Area 1 = 181009			Recovery = 83.25%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.853	112	4176	0.845	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.25%				
7) Phenol-d6	3.866	99	3866	0.611	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.55%				
19) Nitrobenzene-d5	4.708	82	5077	0.884	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 88.40%				
48) 2-Fluorobiphenyl	6.464	172	14251	0.821	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 82.10%				
81) 2,4,6-Tribromophenol	7.838	330	4550	1.388	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 69.40%				
98) 4-Terphenyl-d14	10.057	244	28813	0.955	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 95.50%				

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-17.D
Acq On : 6 Dec 2024 6:40 am
Operator : Dakota:ek
Sample : L2470744-17,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 06 20:03:24 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.	d	
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-17.D
Acq On : 6 Dec 2024 6:40 am
Operator : Dakota:ek
Sample : L2470744-17,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 06 20:03:24 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77) 4-Nitroaniline	0.000		0		N.D.	
78) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
79) NDPA/DPA	0.000		0		N.D.	
82) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
93) Carbazole	0.000		0		N.D.	
94) Di-n-butylphthalate	0.000		0		N.D.	d
99) Butyl benzyl phthalate	0.000		0		N.D.	
108) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
110) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
111) Di-n-octylphthalate	0.000		0		N.D.	d

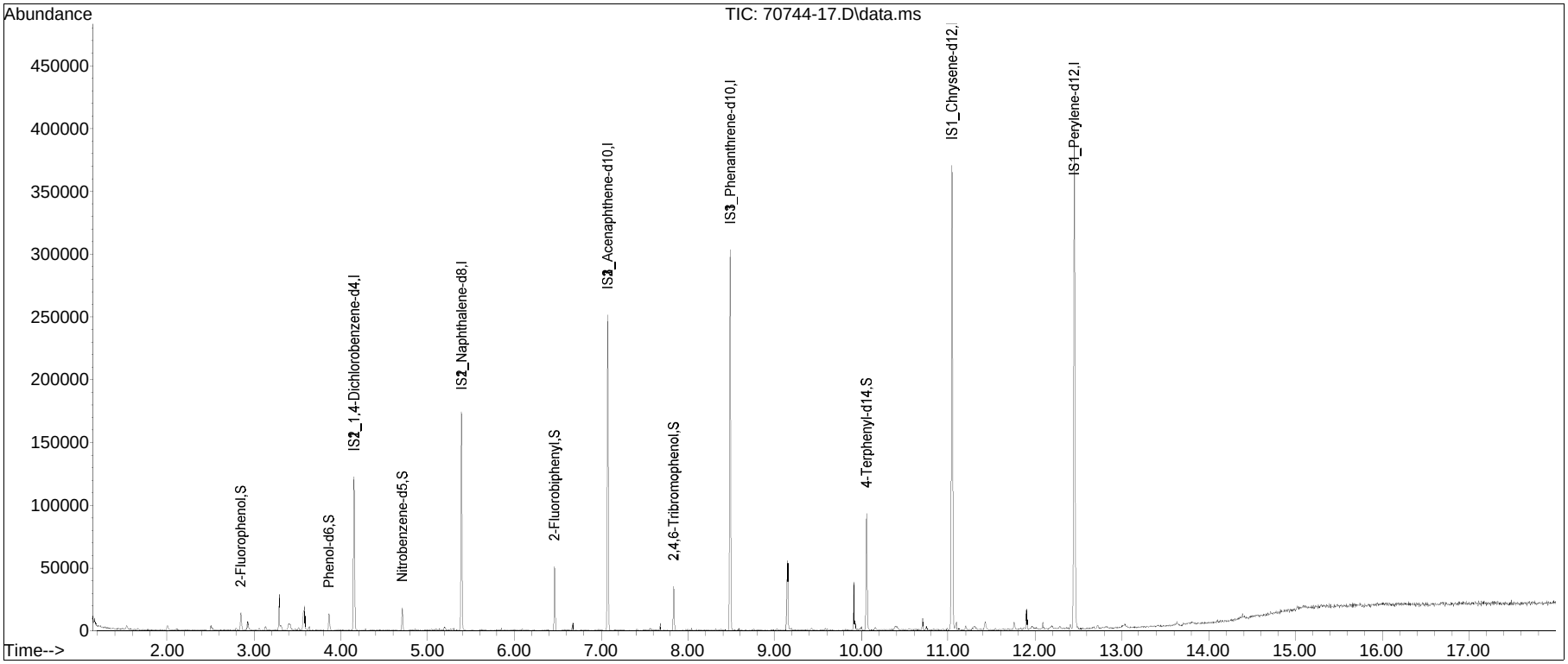
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-17.D
Acq On : 6 Dec 2024 6:40 am
Operator : Dakota:ek
Sample : L2470744-17,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 06 20:03:24 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAAP91205n.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-17.D	Operator	: Dakota:ek
Date Inj'd	: 12/6/2024 6:40 am	Instrument	: Dakota
Sample	: L2470744-17,32,,ASK	Quant Date	: 12/6/2024 6:58 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-18.D
Acq On : 6 Dec 2024 7:02 am
Operator : Dakota:ek
Sample : L2470744-18,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 06 20:03:36 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	20702	4.000	ug/ml		0.00
Standard Area 1 = 20744			Recovery = 99.80%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	20702	4.000	ug/ml		0.00
Standard Area 3 = 20895			Recovery = 99.08%				
37) IS1_Naphthalene-d8	5.389	136	76841	4.000	ug/ml	#	0.00
Standard Area 1 = 79608			Recovery = 96.52%				
57) IS2_Naphthalene-d8	5.389	136	76841	4.000	ug/ml	#	0.00
Standard Area 3 = 77460			Recovery = 99.20%				
65) IS1_Acenaphthene-d10	7.080	164	49111	4.000	ug/ml		0.00
Standard Area 1 = 54276			Recovery = 90.48%				
85) IS2_Acenaphthene-d10	7.080	164	49111	4.000	ug/ml		0.00
Standard Area 3 = 50300			Recovery = 97.64%				
88) IS3_Acenaphthene-d10	7.080	164	49111	4.000	ug/ml		0.00
Standard Area 2 = 49437			Recovery = 99.34%				
90) IS1_Phenanthrene-d10	8.491	188	111131	4.000	ug/ml		0.00
Standard Area 1 = 119869			Recovery = 92.71%				
102) IS3_Phenanthrene-d10	8.491	188	111131	4.000	ug/ml		0.00
Standard Area 2 = 107755			Recovery = 103.13%				
106) IS1_Chrysene-d12	11.042	240	133731	4.000	ug/ml		0.00
Standard Area 1 = 152226			Recovery = 87.85%				
115) IS1_Perylene-d12	12.450	264	164845	4.000	ug/ml		0.00
Standard Area 1 = 181009			Recovery = 91.07%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.856	112	3857	0.725	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 36.25%				
7) Phenol-d6	3.866	99	3825	0.561	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 28.05%				
19) Nitrobenzene-d5	4.708	82	4775	0.772	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 77.20%				
48) 2-Fluorobiphenyl	6.467	172	13765	0.724	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.40%				
81) 2,4,6-Tribromophenol	7.838	330	3968	1.130	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 56.50%				
98) 4-Terphenyl-d14	10.060	244	27359	0.851	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 85.10%				

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-18.D
Acq On : 6 Dec 2024 7:02 am
Operator : Dakota:ek
Sample : L2470744-18,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 06 20:03:36 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-18.D
Acq On : 6 Dec 2024 7:02 am
Operator : Dakota:ek
Sample : L2470744-18,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 06 20:03:36 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77)	4-Nitroaniline	0.000		0	N.D.		
78)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
79)	NDPA/DPA	0.000		0	N.D.		
82)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
93)	Carbazole	0.000		0	N.D.		
94)	Di-n-butylphthalate	0.000		0	N.D.	d	
99)	Butyl benzyl phthalate	0.000		0	N.D.		
108)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
110)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111)	Di-n-octylphthalate	0.000		0	N.D.	d	

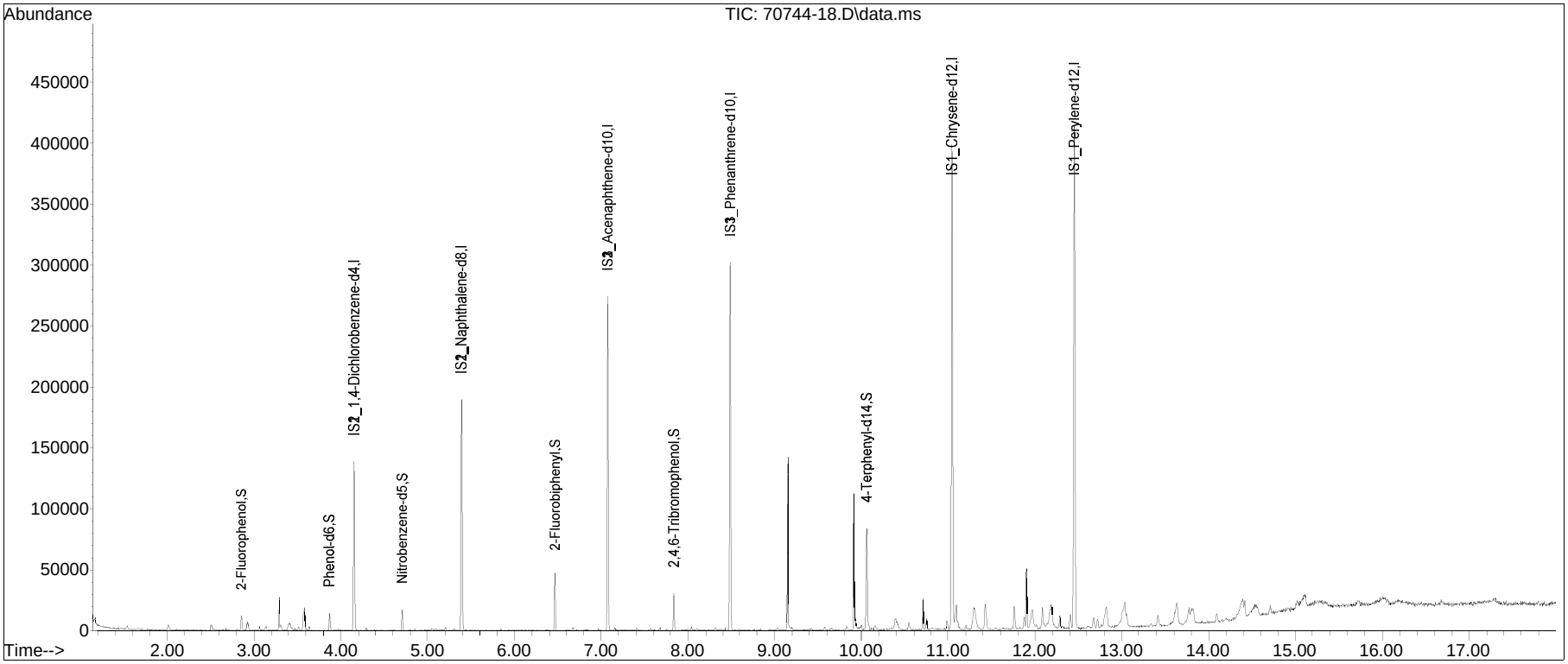
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-18.D
Acq On : 6 Dec 2024 7:02 am
Operator : Dakota:ek
Sample : L2470744-18,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 06 20:03:36 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAAP91205n.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-18.D	Operator	: Dakota:ek
Date Inj'd	: 12/6/2024 7:02 am	Instrument	: Dakota
Sample	: L2470744-18,32,,ASK	Quant Date	: 12/6/2024 7:21 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-19.D
Acq On : 6 Dec 2024 7:25 am
Operator : Dakota:ek
Sample : L2470744-19,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 06 20:03:47 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	19992	4.000	ug/ml		0.00
Standard Area 1 = 20744			Recovery = 96.37%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	19992	4.000	ug/ml		0.00
Standard Area 3 = 20895			Recovery = 95.68%				
37) IS1_Naphthalene-d8	5.392	136	75385	4.000	ug/ml	#	0.00
Standard Area 1 = 79608			Recovery = 94.70%				
57) IS2_Naphthalene-d8	5.392	136	75385	4.000	ug/ml	#	0.00
Standard Area 3 = 77460			Recovery = 97.32%				
65) IS1_Acenaphthene-d10	7.080	164	47852	4.000	ug/ml		0.00
Standard Area 1 = 54276			Recovery = 88.16%				
85) IS2_Acenaphthene-d10	7.080	164	47852	4.000	ug/ml		0.00
Standard Area 3 = 50300			Recovery = 95.13%				
88) IS3_Acenaphthene-d10	7.080	164	47852	4.000	ug/ml		0.00
Standard Area 2 = 49437			Recovery = 96.79%				
90) IS1_Phenanthrene-d10	8.491	188	105475	4.000	ug/ml		0.00
Standard Area 1 = 119869			Recovery = 87.99%				
102) IS3_Phenanthrene-d10	8.491	188	105475	4.000	ug/ml		0.00
Standard Area 2 = 107755			Recovery = 97.88%				
106) IS1_Chrysene-d12	11.042	240	129586	4.000	ug/ml		0.00
Standard Area 1 = 152226			Recovery = 85.13%				
115) IS1_Perylene-d12	12.450	264	165684	4.000	ug/ml		0.00
Standard Area 1 = 181009			Recovery = 91.53%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.856	112	4362	0.849	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.45%				
7) Phenol-d6	3.866	99	3961	0.602	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.10%				
19) Nitrobenzene-d5	4.708	82	4788	0.802	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 80.20%				
48) 2-Fluorobiphenyl	6.464	172	13943	0.747	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.70%				
81) 2,4,6-Tribromophenol	7.838	330	4406	1.288	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 64.40%				
98) 4-Terphenyl-d14	10.057	244	26676	0.874	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 87.40%				

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-19.D
Acq On : 6 Dec 2024 7:25 am
Operator : Dakota:ek
Sample : L2470744-19,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 06 20:03:47 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-19.D
Acq On : 6 Dec 2024 7:25 am
Operator : Dakota:ek
Sample : L2470744-19,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 06 20:03:47 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77) 4-Nitroaniline	0.000		0		N.D.	
78) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
79) NDPA/DPA	0.000		0		N.D.	
82) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
93) Carbazole	0.000		0		N.D.	
94) Di-n-butylphthalate	0.000		0		N.D.	d
99) Butyl benzyl phthalate	0.000		0		N.D.	
108) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
110) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
111) Di-n-octylphthalate	0.000		0		N.D.	d

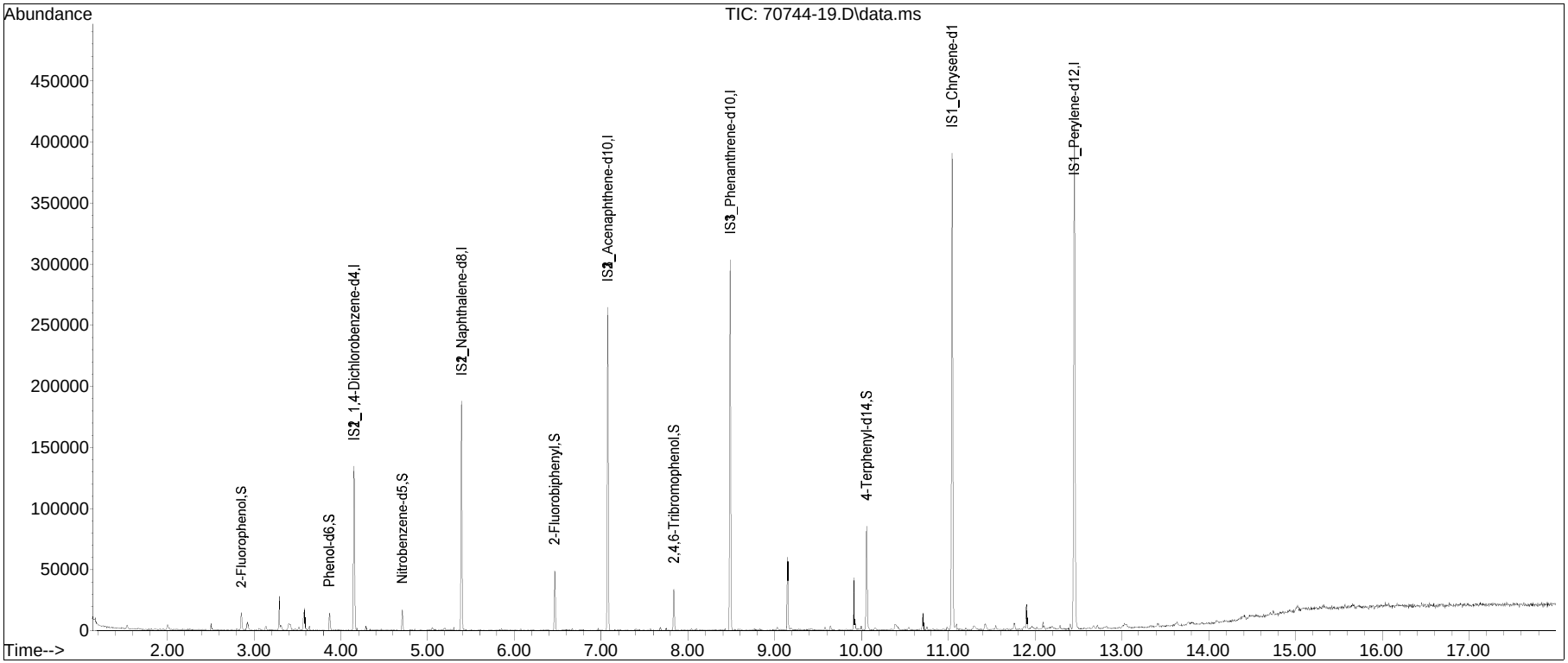
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-19.D
Acq On : 6 Dec 2024 7:25 am
Operator : Dakota:ek
Sample : L2470744-19,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 06 20:03:47 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:37 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAAP91205n.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-19.D	Operator	: Dakota:ek
Date Inj'd	: 12/6/2024 7:25 am	Instrument	: Dakota
Sample	: L2470744-19,32,,ASK	Quant Date	: 12/6/2024 7:43 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-21.D
Acq On : 6 Dec 2024 7:48 am
Operator : Dakota:ek
Sample : L2470744-21,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 06 20:03:58 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 07:51:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	20445	4.000	ug/ml		0.00
Standard Area 1 = 20744			Recovery = 98.56%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	20445	4.000	ug/ml		0.00
Standard Area 3 = 20895			Recovery = 97.85%				
37) IS1_Naphthalene-d8	5.389	136	75961	4.000	ug/ml	#	0.00
Standard Area 1 = 79608			Recovery = 95.42%				
57) IS2_Naphthalene-d8	5.389	136	75961	4.000	ug/ml	#	0.00
Standard Area 3 = 77460			Recovery = 98.06%				
65) IS1_Acenaphthene-d10	7.080	164	49213	4.000	ug/ml		0.00
Standard Area 1 = 54276			Recovery = 90.67%				
85) IS2_Acenaphthene-d10	7.080	164	49213	4.000	ug/ml		0.00
Standard Area 3 = 50300			Recovery = 97.84%				
88) IS3_Acenaphthene-d10	7.080	164	49213	4.000	ug/ml		0.00
Standard Area 2 = 49437			Recovery = 99.55%				
90) IS1_Phenanthrene-d10	8.488	188	109323	4.000	ug/ml		0.00
Standard Area 1 = 119869			Recovery = 91.20%				
102) IS3_Phenanthrene-d10	8.488	188	109323	4.000	ug/ml		0.00
Standard Area 2 = 107755			Recovery = 101.46%				
106) IS1_Chrysene-d12	11.042	240	134172	4.000	ug/ml		0.00
Standard Area 1 = 152226			Recovery = 88.14%				
115) IS1_Perylene-d12	12.450	264	165627	4.000	ug/ml		0.00
Standard Area 1 = 181009			Recovery = 91.50%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.856	112	4216	0.802	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 40.10%				
7) Phenol-d6	3.866	99	3627	0.539	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.95%				
19) Nitrobenzene-d5	4.708	82	3873	0.634	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.40%				
48) 2-Fluorobiphenyl	6.464	172	11542	0.614	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 61.40%				
81) 2,4,6-Tribromophenol	7.838	330	4370	1.242	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 62.10%				
98) 4-Terphenyl-d14	10.057	244	24187	0.765	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 76.50%				

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-21.D
Acq On : 6 Dec 2024 7:48 am
Operator : Dakota:ek
Sample : L2470744-21,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 06 20:03:58 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 07:51:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.	d	
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-21.D
Acq On : 6 Dec 2024 7:48 am
Operator : Dakota:ek
Sample : L2470744-21,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 06 20:03:58 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 07:51:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205NRVT\ABN1205n.D
: 2 - I:\8270\Dakota\241205NRVT\ADP1205n.D
: 3 - I:\8270\Dakota\241205NRVT\AP91205n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
77) 4-Nitroaniline	0.000		0		N.D.	
78) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
79) NDPA/DPA	0.000		0		N.D.	
82) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
93) Carbazole	0.000		0		N.D.	
94) Di-n-butylphthalate	0.000		0		N.D.	d
99) Butyl benzyl phthalate	0.000		0		N.D.	
108) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
110) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
111) Di-n-octylphthalate	0.000		0		N.D.	d

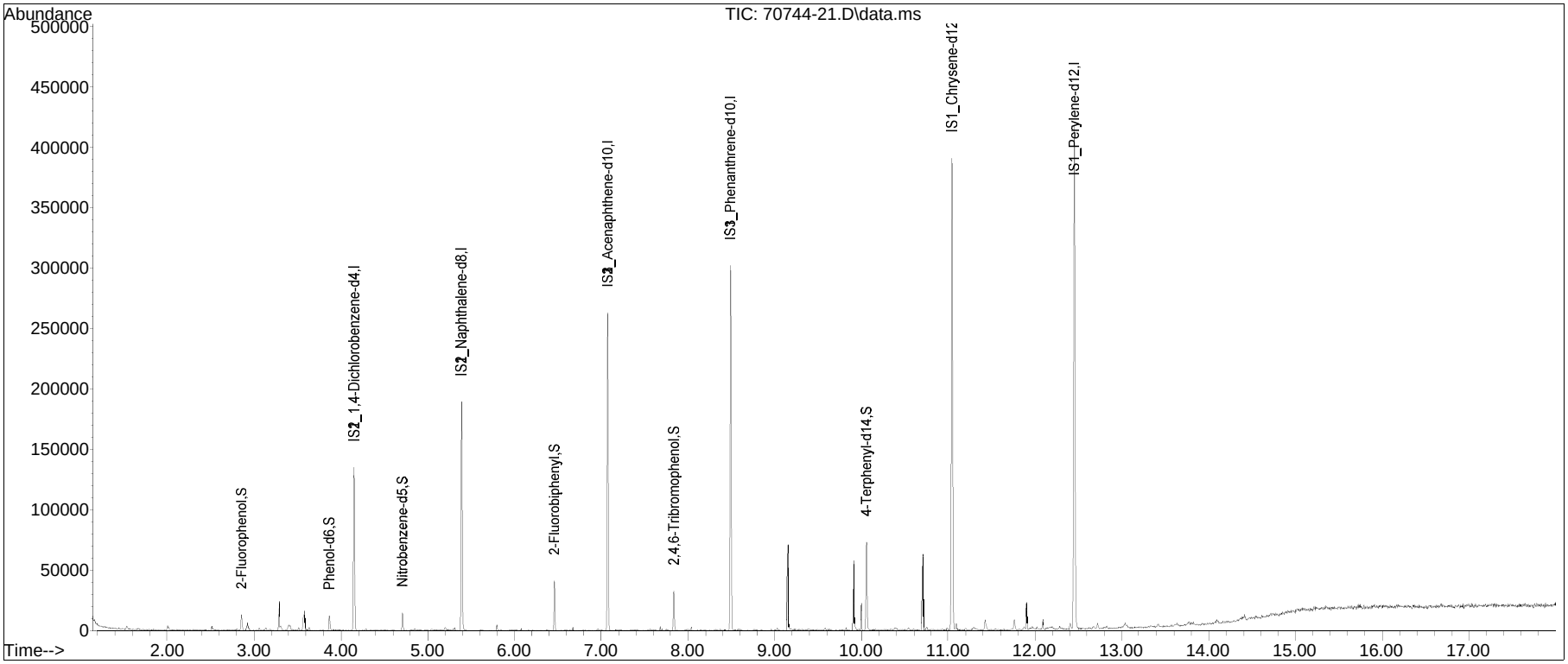
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : 70744-21.D
Acq On : 6 Dec 2024 7:48 am
Operator : Dakota:ek
Sample : L2470744-21,32,,ASK
Misc : WG2005363,WG2005369,ical21680
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 06 20:03:58 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 07:51:21 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAAP91205n.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-21.D	Operator	: Dakota:ek
Date Inj'd	: 12/6/2024 7:48 am	Instrument	: Dakota
Sample	: L2470744-21,32,,ASK	Quant Date	: 12/6/2024 8:06 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241206RVT\
Data File : 70744-13.D
Acq On : 6 Dec 2024 2:00 pm
Operator : Dakota:slr
Sample : L2470744-13,32,,RR,gmr
Misc : WG2006161,WG2005369,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 09 14:25:14 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 13:17:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241206RVT\ABN1206.D
: 2 - I:\8270\Dakota\241206RVT\ADP1206.D
: 3 - I:\8270\Dakota\241206RVT\AP91206.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	20094	4.000	ug/ml		0.00
Standard Area 1 = 22208			Recovery = 90.48%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	20094	4.000	ug/ml		0.00
Standard Area 3 = 24112			Recovery = 83.34%				
37) IS1_Naphthalene-d8	5.389	136	75780	4.000	ug/ml	#	0.00
Standard Area 1 = 86686			Recovery = 87.42%				
57) IS2_Naphthalene-d8	5.389	136	75780	4.000	ug/ml	#	0.00
Standard Area 3 = 93316			Recovery = 81.21%				
65) IS1_Acenaphthene-d10	7.079	164	48592	4.000	ug/ml		0.00
Standard Area 1 = 57569			Recovery = 84.41%				
85) IS2_Acenaphthene-d10	7.079	164	48592	4.000	ug/ml		0.00
Standard Area 3 = 59826			Recovery = 81.22%				
88) IS3_Acenaphthene-d10	7.079	164	48592	4.000	ug/ml		0.00
Standard Area 2 = 52005			Recovery = 93.44%				
90) IS1_Phenanthrene-d10	8.487	188	108231	4.000	ug/ml		0.00
Standard Area 1 = 126555			Recovery = 85.52%				
102) IS3_Phenanthrene-d10	8.487	188	108231	4.000	ug/ml		0.00
Standard Area 2 = 115732			Recovery = 93.52%				
106) IS1_Chrysene-d12	11.042	240	136896	4.000	ug/ml		0.00
Standard Area 1 = 159319			Recovery = 85.93%				
115) IS1_Perylene-d12	12.450	264	173047	4.000	ug/ml		0.00
Standard Area 1 = 194168			Recovery = 89.12%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.852	112	4525	0.876	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 43.80%				
7) Phenol-d6	3.866	99	4073	0.616	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.80%				
19) Nitrobenzene-d5	4.708	82	4775	0.795	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.50%				
48) 2-Fluorobiphenyl	6.464	172	13353	0.712	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.20%				
81) 2,4,6-Tribromophenol	7.838	330	4624	1.331	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 66.55%				
98) 4-Terphenyl-d14	10.057	244	27928	0.892	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 89.20%				

Data Path : I:\8270\Dakota\241206RVT\
Data File : 70744-13.D
Acq On : 6 Dec 2024 2:00 pm
Operator : Dakota:slr
Sample : L2470744-13,32,,RR,gmr
Misc : WG2006161,WG2005369,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 09 14:25:14 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 13:17:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241206RVT\ABN1206.D
: 2 - I:\8270\Dakota\241206RVT\ADP1206.D
: 3 - I:\8270\Dakota\241206RVT\AP91206.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.	d	

Data Path : I:\8270\Dakota\241206RVT\
Data File : 70744-13.D
Acq On : 6 Dec 2024 2:00 pm
Operator : Dakota:slr
Sample : L2470744-13,32,,RR,gmr
Misc : WG2006161,WG2005369,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 09 14:25:14 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 13:17:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241206RVT\ABN1206.D
: 2 - I:\8270\Dakota\241206RVT\ADP1206.D
: 3 - I:\8270\Dakota\241206RVT\AP91206.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
79) NDPA/DPA	0.000		0	N.D.		
82) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
93) Carbazole	0.000		0	N.D.		
94) Di-n-butylphthalate	9.143	149	2039	0.062	ug/ml#	79
99) Butyl benzyl phthalate	0.000		0	N.D.	d	
108) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
110) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111) Di-n-octylphthalate	0.000		0	N.D.	d	

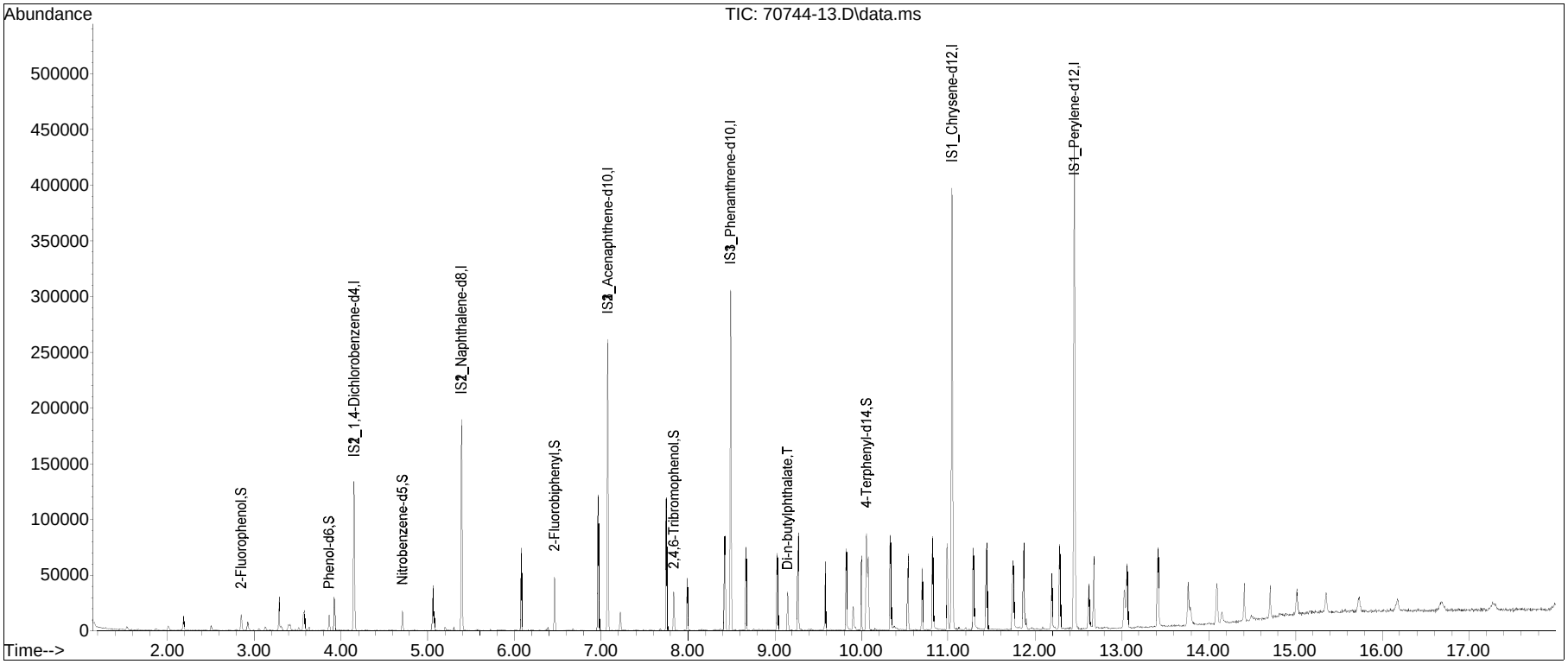
(#) = qualifier out of range (m) = manual integration (+) = signals summed

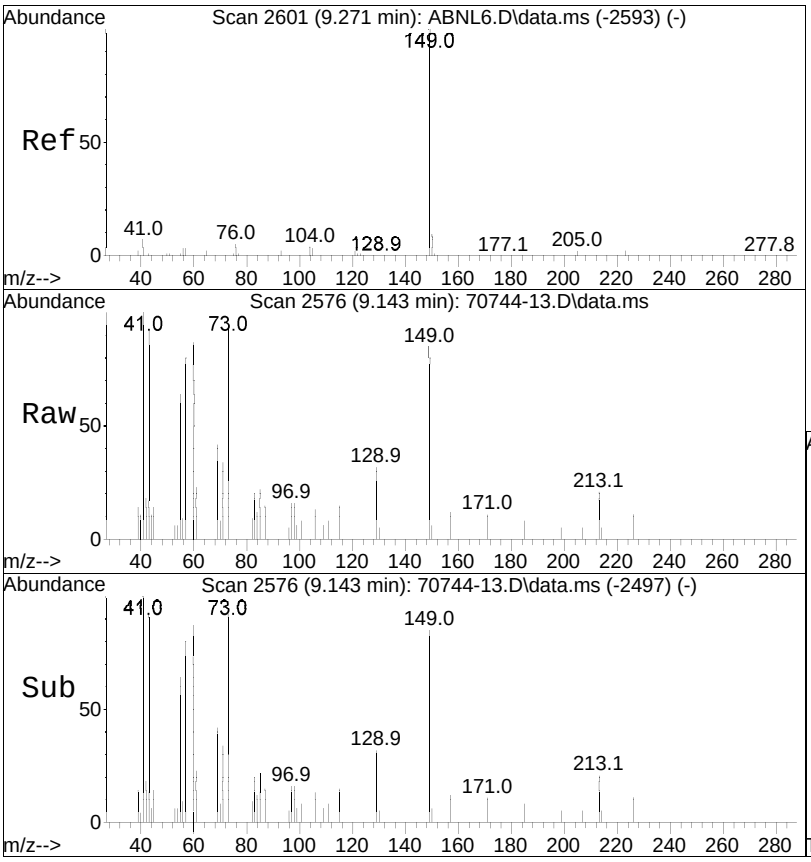
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241206RVT\
Data File : 70744-13.D
Acq On : 6 Dec 2024 2:00 pm
Operator : Dakota:slr
Sample : L2470744-13,32,,RR,gmr
Misc : WG2006161,WG2005369,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 09 14:25:14 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 13:17:06 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91206.D•

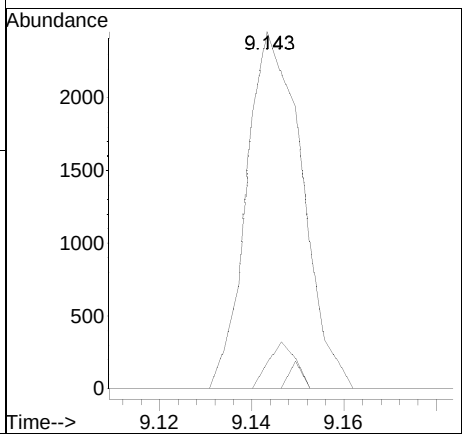




#94
Di-n-butylphthalate
Concen: 0.06 ug/ml
RT: 9.143 min Scan# 2576
Delta R.T. -0.003 min
Lab File: 70744-13.D
Acq: 6 Dec 2024 2:00 pm

Tgt Ion:149 Resp: 2039

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.0	10.6#
104	0.0	4.5	6.7#



Manual Integration Report

Data Path	: I:\8270\Dakota\241206RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-13.D	Operator	: Dakota:slr
Date Inj'd	: 12/6/2024 2:00 pm	Instrument	: Dakota
Sample	: L2470744-13,32,,RR,gmr	Quant Date	: 12/6/2024 2:18 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241206RVT\
Data File : 70744-14.D
Acq On : 6 Dec 2024 2:23 pm
Operator : Dakota:slr
Sample : L2470744-14,32,,RR,gmr
Misc : WG2006161,WG2005369,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:38 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 13:17:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241206RVT\ABN1206.D
: 2 - I:\8270\Dakota\241206RVT\ADP1206.D
: 3 - I:\8270\Dakota\241206RVT\AP91206.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.149	152	19701	4.000	ug/ml		0.00
Standard Area 1 = 22208			Recovery = 88.71%				
27) IS2_1,4-Dichlorobenzen...	4.149	152	19701	4.000	ug/ml		0.00
Standard Area 3 = 24112			Recovery = 81.71%				
37) IS1_Naphthalene-d8	5.389	136	73286	4.000	ug/ml	#	0.00
Standard Area 1 = 86686			Recovery = 84.54%				
57) IS2_Naphthalene-d8	5.389	136	73286	4.000	ug/ml	#	0.00
Standard Area 3 = 93316			Recovery = 78.54%				
65) IS1_Acenaphthene-d10	7.080	164	47248	4.000	ug/ml		0.00
Standard Area 1 = 57569			Recovery = 82.07%				
85) IS2_Acenaphthene-d10	7.080	164	47248	4.000	ug/ml		0.00
Standard Area 3 = 59826			Recovery = 78.98%				
88) IS3_Acenaphthene-d10	7.080	164	47248	4.000	ug/ml		0.00
Standard Area 2 = 52005			Recovery = 90.85%				
90) IS1_Phenanthrene-d10	8.488	188	105255	4.000	ug/ml		0.00
Standard Area 1 = 126555			Recovery = 83.17%				
102) IS3_Phenanthrene-d10	8.488	188	105255	4.000	ug/ml		0.00
Standard Area 2 = 115732			Recovery = 90.95%				
106) IS1_Chrysene-d12	11.042	240	132259	4.000	ug/ml		0.00
Standard Area 1 = 159319			Recovery = 83.02%				
115) IS1_Perylene-d12	12.450	264	168712	4.000	ug/ml		0.00
Standard Area 1 = 194168			Recovery = 86.89%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.856	112	3953	0.780	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 39.00%				
7) Phenol-d6	3.866	99	3436	0.530	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.50%				
19) Nitrobenzene-d5	4.708	82	4324	0.735	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.50%				
48) 2-Fluorobiphenyl	6.464	172	12234	0.674	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.40%				
81) 2,4,6-Tribromophenol	7.835	330	3523	1.043	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 52.15%				
98) 4-Terphenyl-d14	10.057	244	25113	0.825	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 82.50%				

Data Path : I:\8270\Dakota\241206RVT\
Data File : 70744-14.D
Acq On : 6 Dec 2024 2:23 pm
Operator : Dakota:slr
Sample : L2470744-14,32,,RR,gmr
Misc : WG2006161,WG2005369,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:38 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 13:17:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241206RVT\ABN1206.D
: 2 - I:\8270\Dakota\241206RVT\ADP1206.D
: 3 - I:\8270\Dakota\241206RVT\AP91206.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.	d	
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	4.574	105	2108	0.305	ug/ml#	65
39) Benzoic Acid	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\Dakota\241206RVT\
Data File : 70744-14.D
Acq On : 6 Dec 2024 2:23 pm
Operator : Dakota:slr
Sample : L2470744-14,32,,RR,gmr
Misc : WG2006161,WG2005369,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:38 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 13:17:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241206RVT\ABN1206.D
: 2 - I:\8270\Dakota\241206RVT\ADP1206.D
: 3 - I:\8270\Dakota\241206RVT\AP91206.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
79) NDPA/DPA	0.000		0	N.D.		
82) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
93) Carbazole	0.000		0	N.D.		
94) Di-n-butylphthalate	9.147	149	2750	0.087	ug/ml#	79
99) Butyl benzyl phthalate	0.000		0	N.D.		
108) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
110) Bis(2-ethylhexyl)phtha...	11.195	149	1020	0.042	ug/ml#	52
111) Di-n-octylphthalate	0.000		0	N.D.	d	

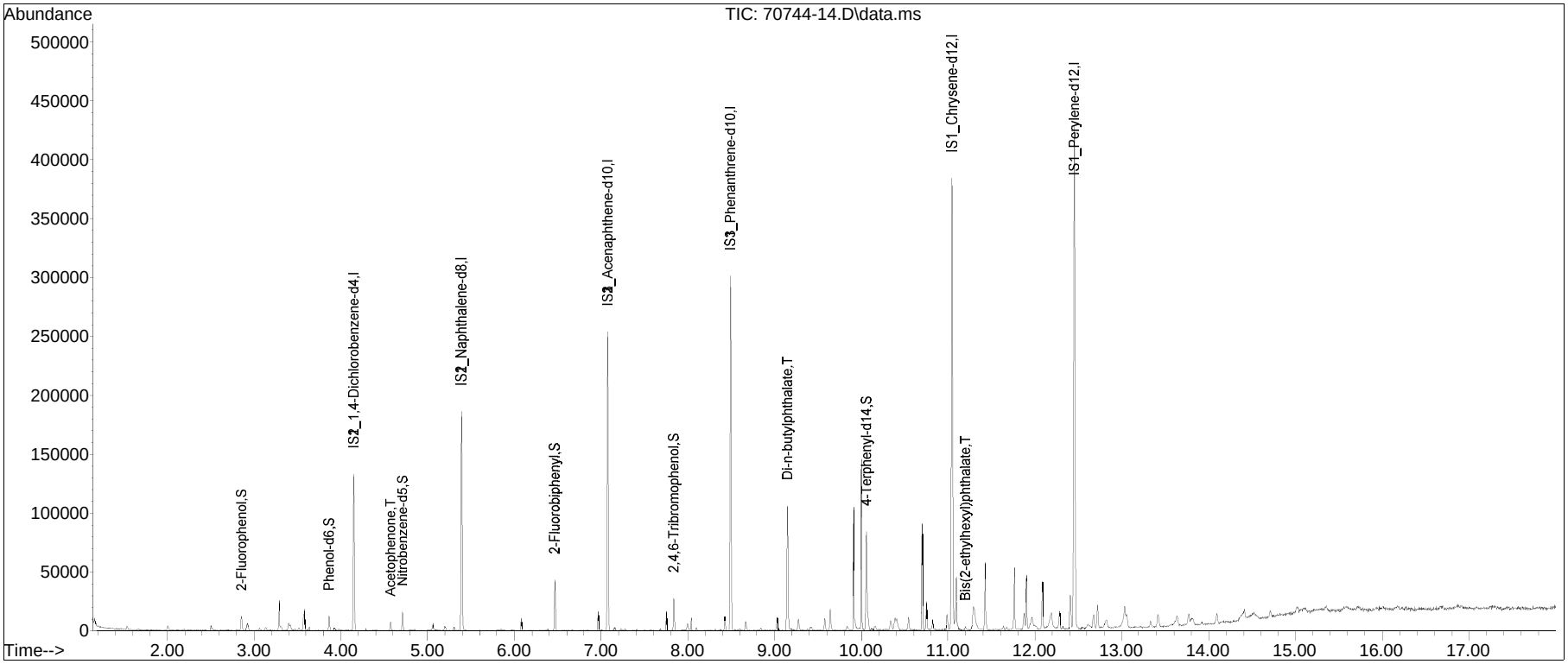
(#) = qualifier out of range (m) = manual integration (+) = signals summed

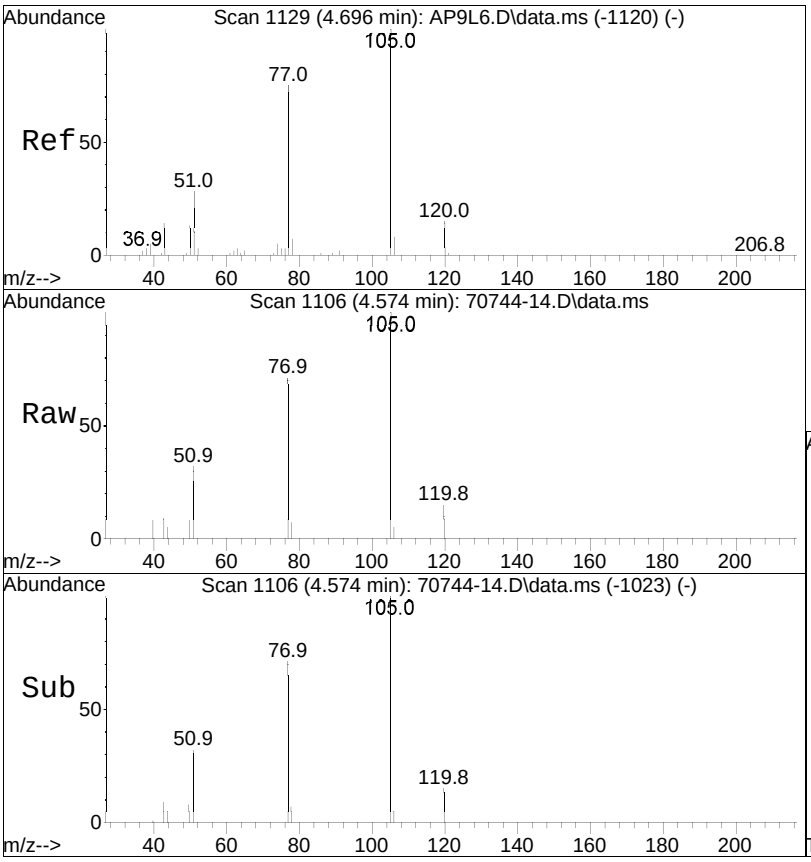
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241206RVT\
Data File : 70744-14.D
Acq On : 6 Dec 2024 2:23 pm
Operator : Dakota:slr
Sample : L2470744-14,32,,RR,gmr
Misc : WG2006161,WG2005369,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:38 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 13:17:06 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91206.D•

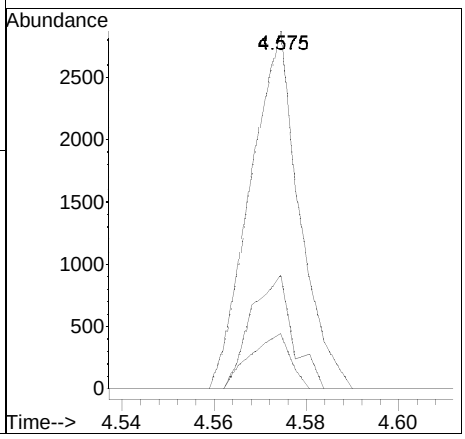


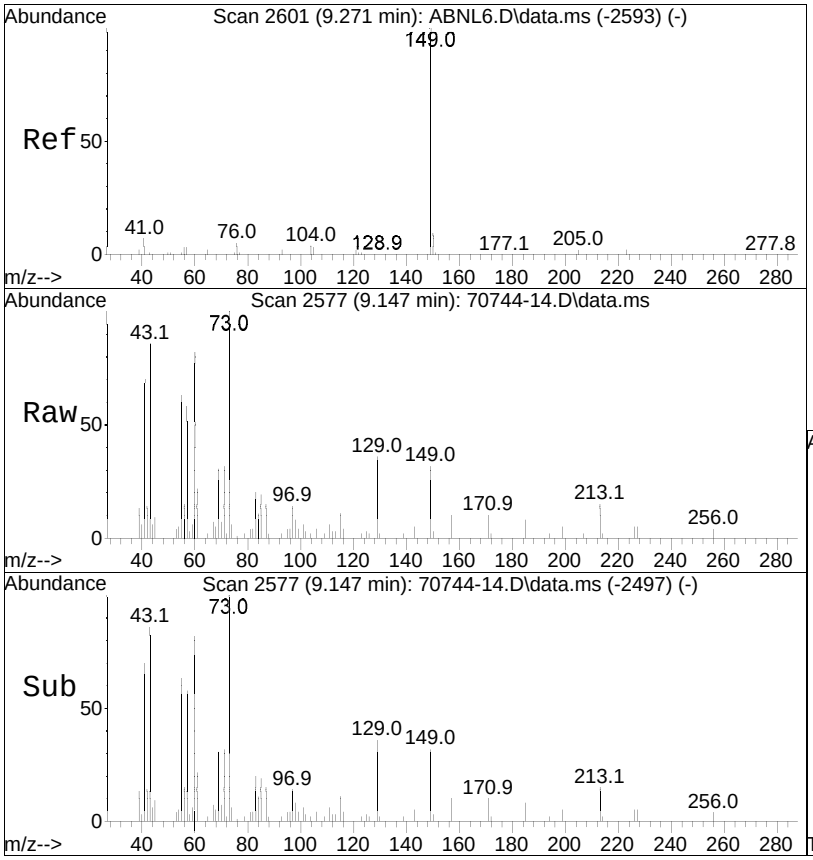


#29
Acetophenone
Concen: 0.30 ug/ml
RT: 4.574 min Scan# 1106
Delta R.T. 0.006 min
Lab File: 70744-14.D
Acq: 6 Dec 2024 2:23 pm

Tgt Ion:105 Resp: 2108

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.5	30.7#
51	27.2	34.9	52.3#

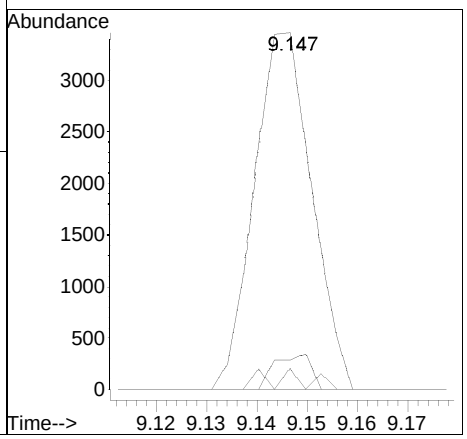


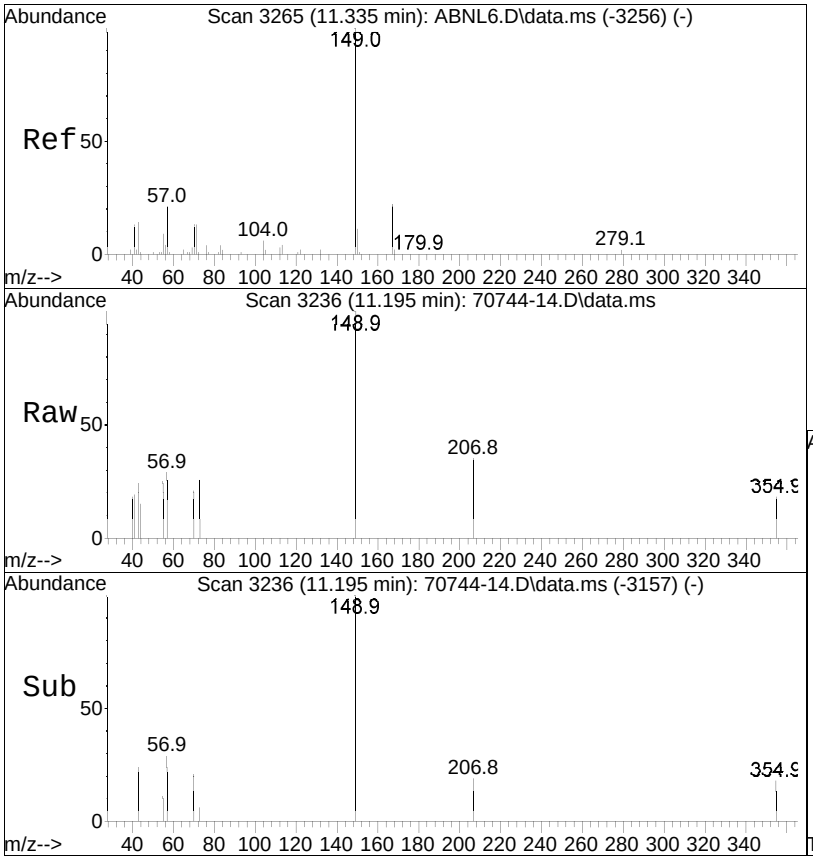


#94
Di-n-butylphthalate
Concen: 0.09 ug/ml
RT: 9.147 min Scan# 2577
Delta R.T. 0.000 min
Lab File: 70744-14.D
Acq: 6 Dec 2024 2:23 pm

Tgt Ion:149 Resp: 2750

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.0	10.6#
104	0.0	4.5	6.7#

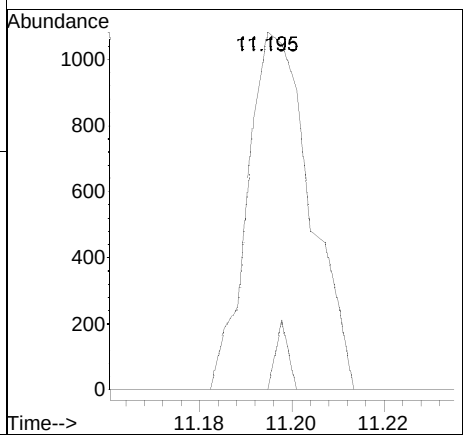




#110
Bis(2-ethylhexyl)phthalate
Concen: 0.04 ug/ml
RT: 11.195 min Scan# 3236
Delta R.T. -0.003 min
Lab File: 70744-14.D
Acq: 6 Dec 2024 2:23 pm

Tgt Ion:149 Resp: 1020

Ion	Ratio	Lower	Upper
149	100		
167	0.0	22.1	33.1#
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\Dakota\241206RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 70744-14.D	Operator	: Dakota:slr
Date Inj'd	: 12/6/2024 2:23 pm	Instrument	: Dakota
Sample	: L2470744-14,32,,RR,gmr	Quant Date	: 12/6/2024 2:41 pm

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

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2470744**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
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	**: P. W. Grosser**	**Lab Number**	**: L2470744**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
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	**: P. W. Grosser**	**Lab Number**	**: L2470744**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
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	**: P. W. Grosser**	**Lab Number**	**: L2470744**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
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 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

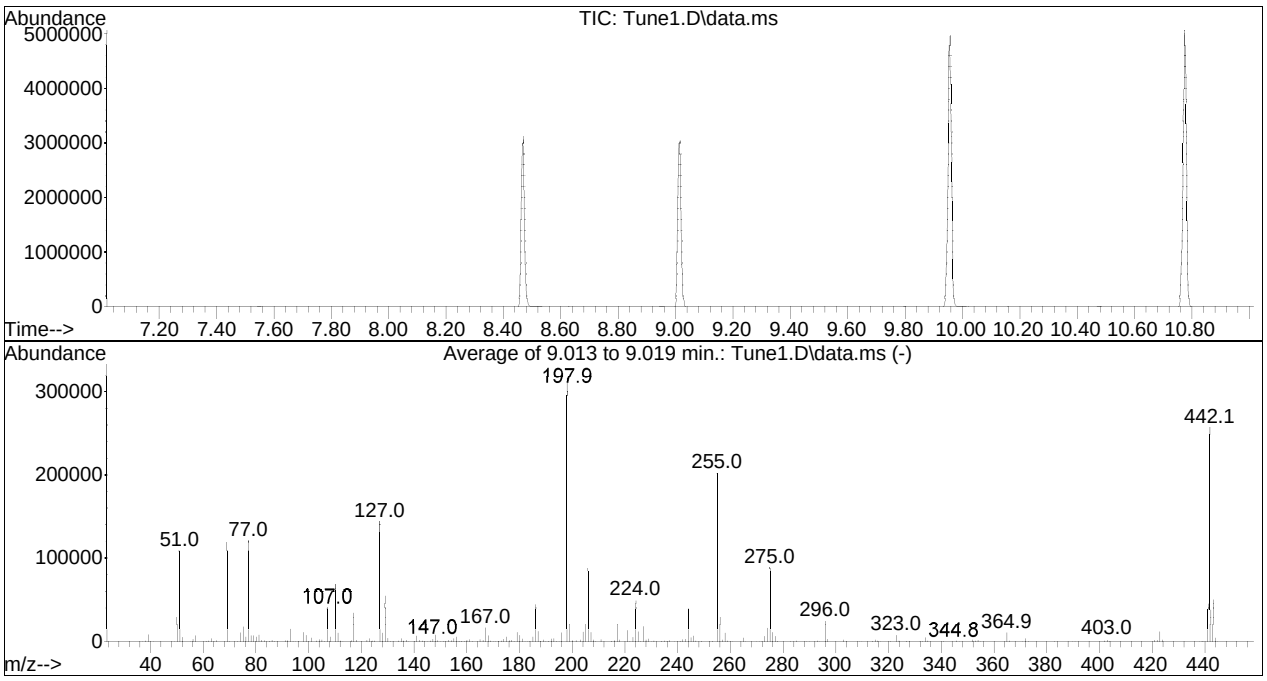
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Phenanthrene	1.655	1.246	1.214	1.134	1.019	1.085	1.072	1.100	1.119	1.183	16.11
92)	T	Anthracene	1.572	1.147	1.191	1.098	1.017	1.082	1.065	1.115	1.153	1.160	14.06
93)	T	Carbazole	1.327	1.038	1.109	1.013	0.956	1.020	1.001	1.037	1.079	1.064	10.14
94)	T	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



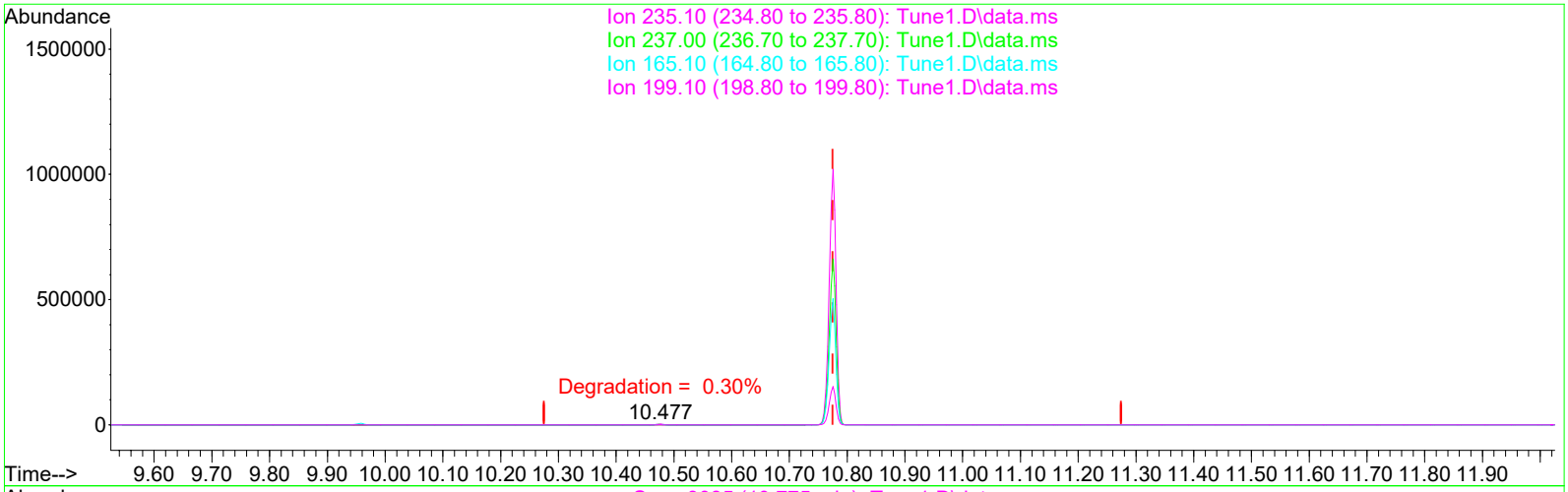
Spectrum Information: Average of 9.013 to 9.019 min.

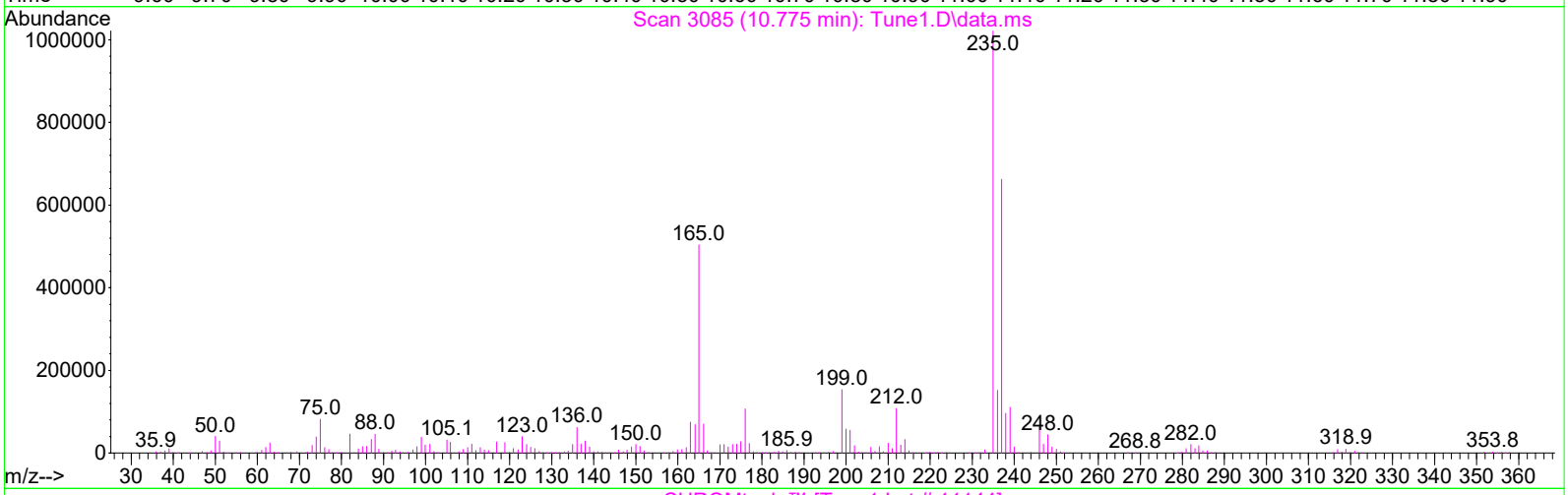
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.4	108867	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	118323	PASS
70	69	0.00	2	0.6	688	PASS
127	198	10	80	45.2	143328	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	316843	PASS
199	198	5	9	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

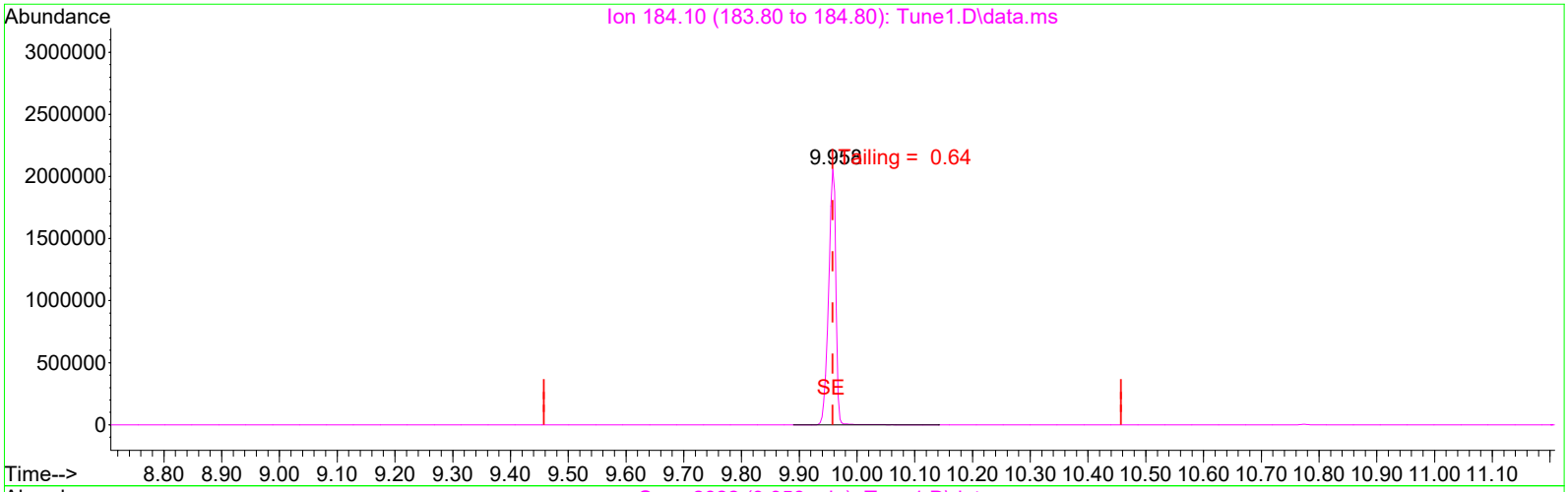
response 851056

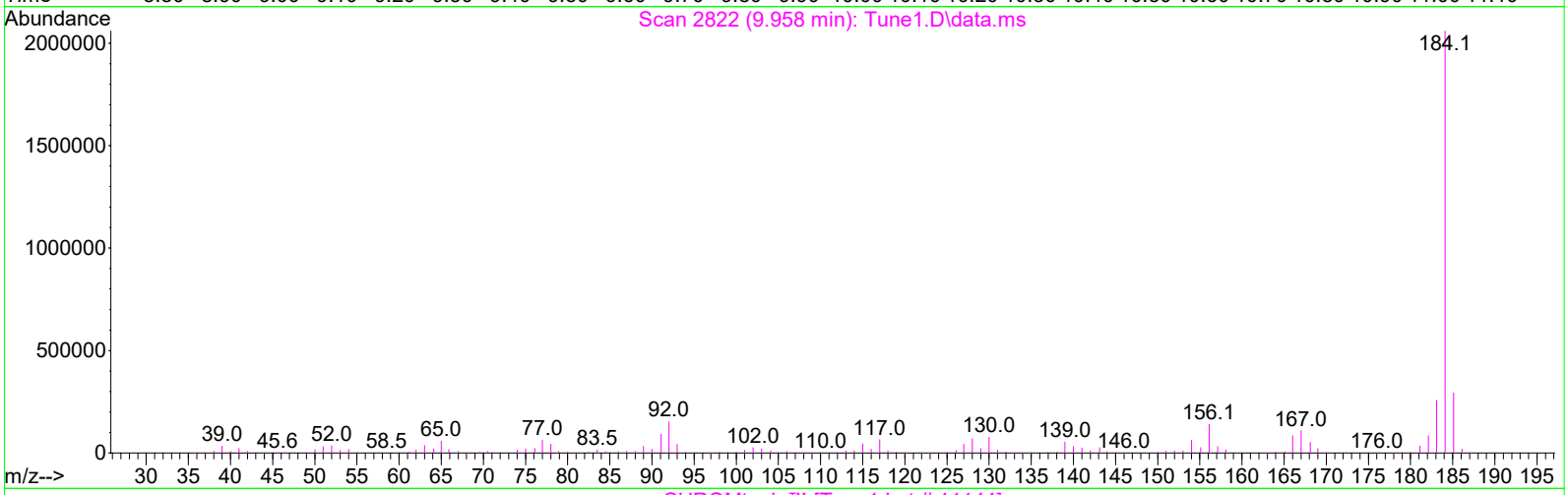
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.29
165.10	48.70	47.50
199.10	15.80	14.59

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

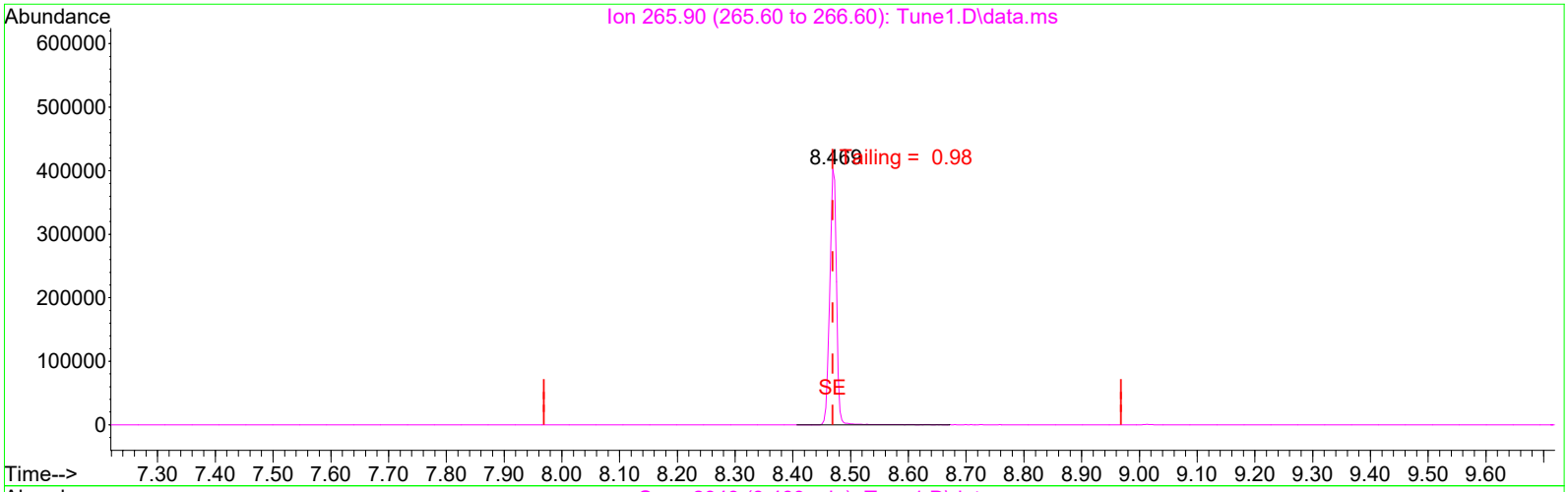
response 1797793

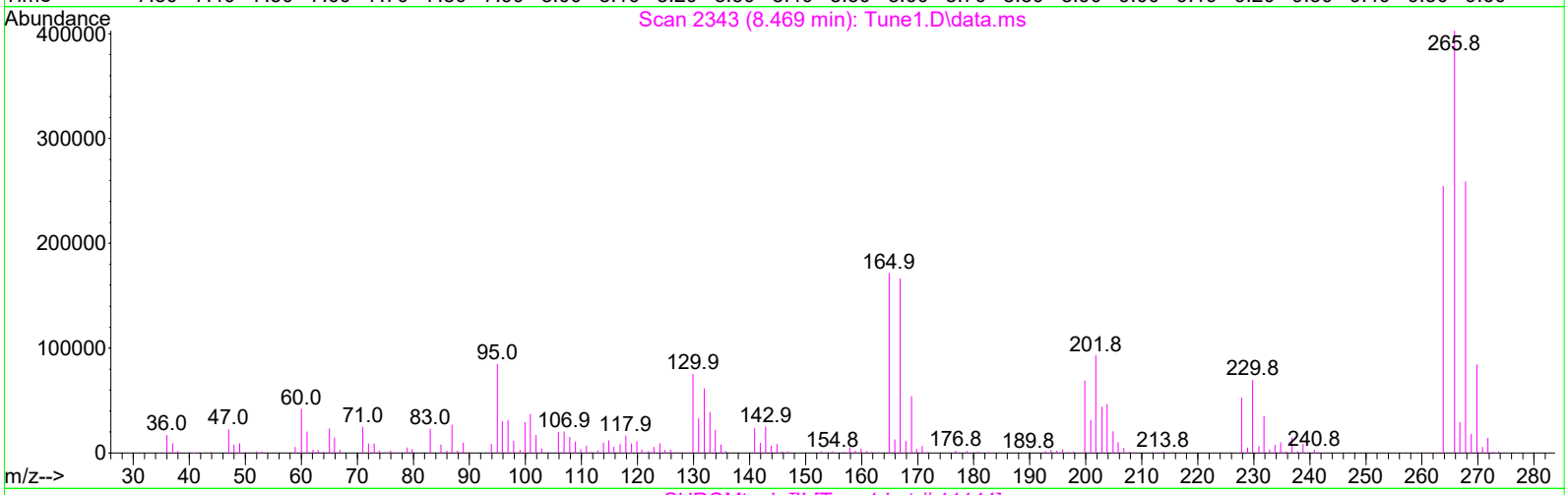
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

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

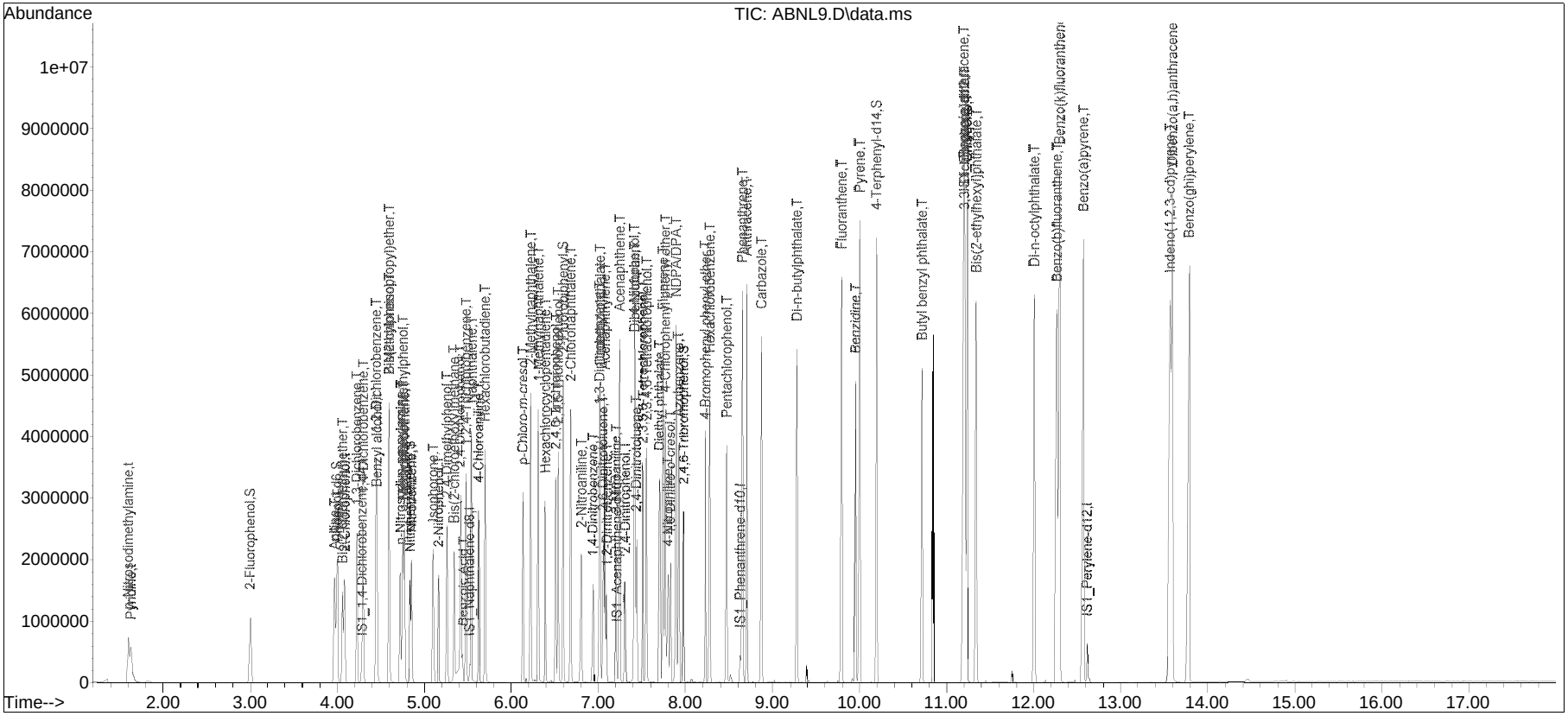
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

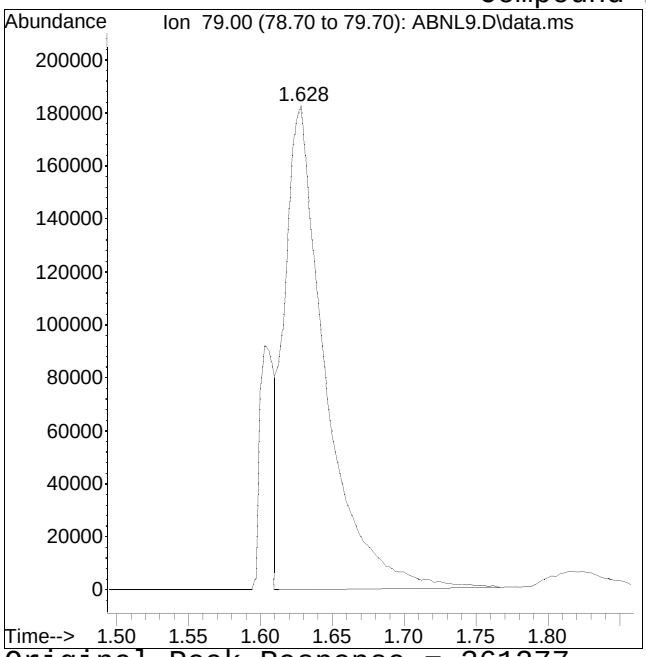
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



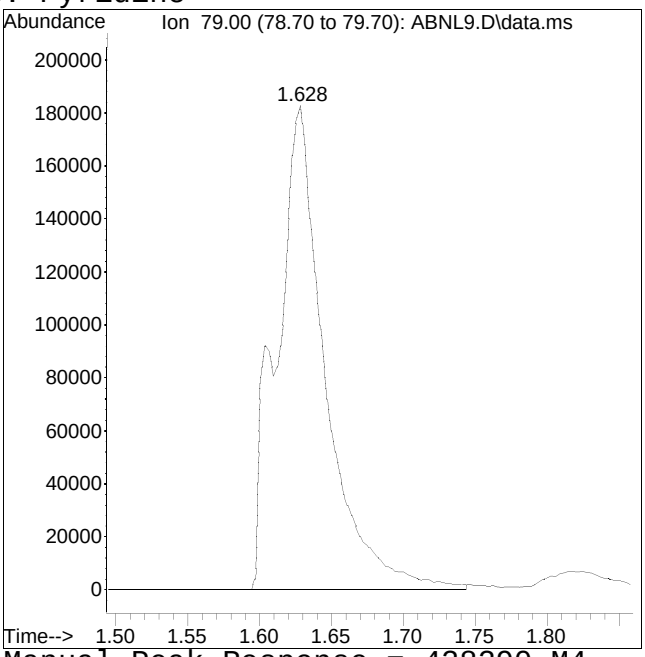
Manual Integration Report

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



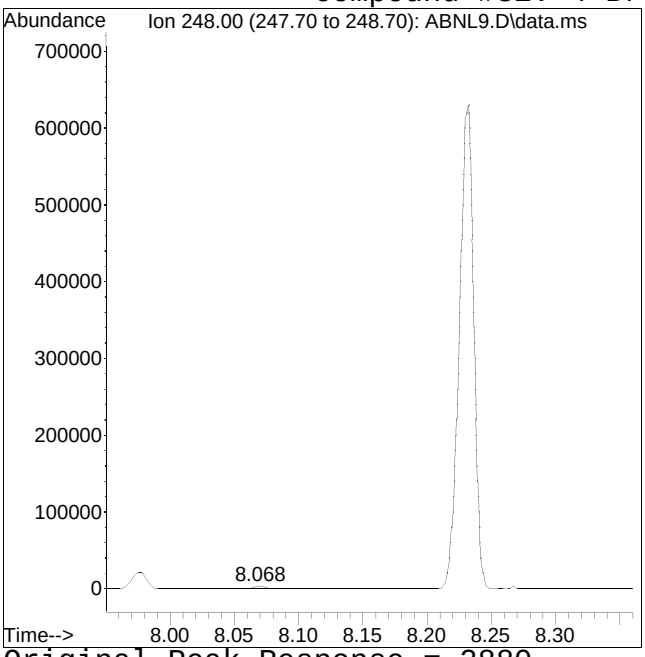
Manual Peak Response = 428290 M4

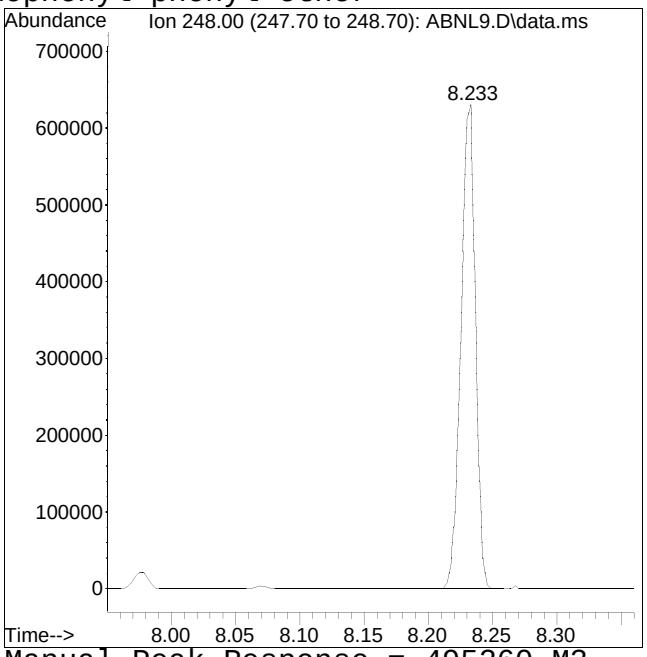
M4 = Poor automated baseline construction.

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





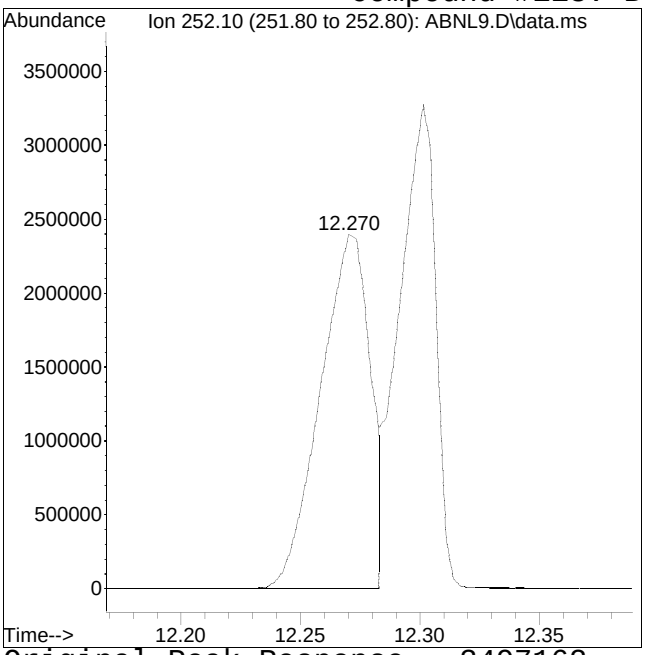
Original Peak Response = 2880 Manual Peak Response = 495260 M3

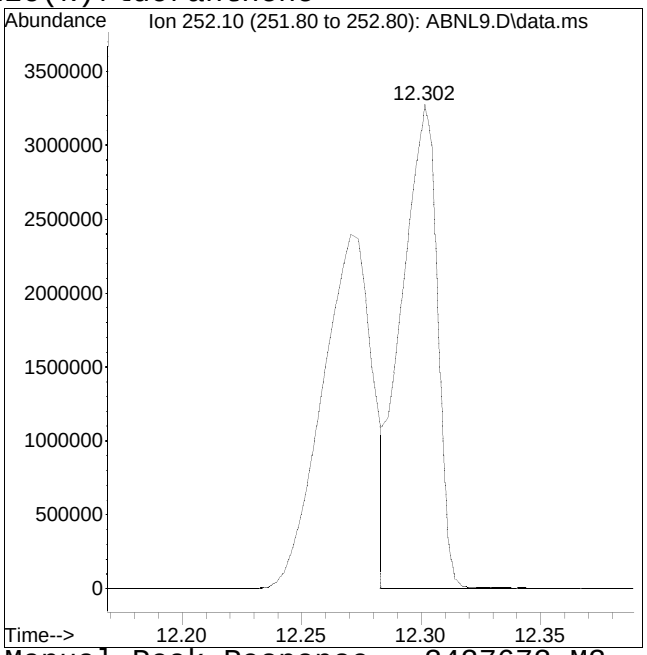
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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



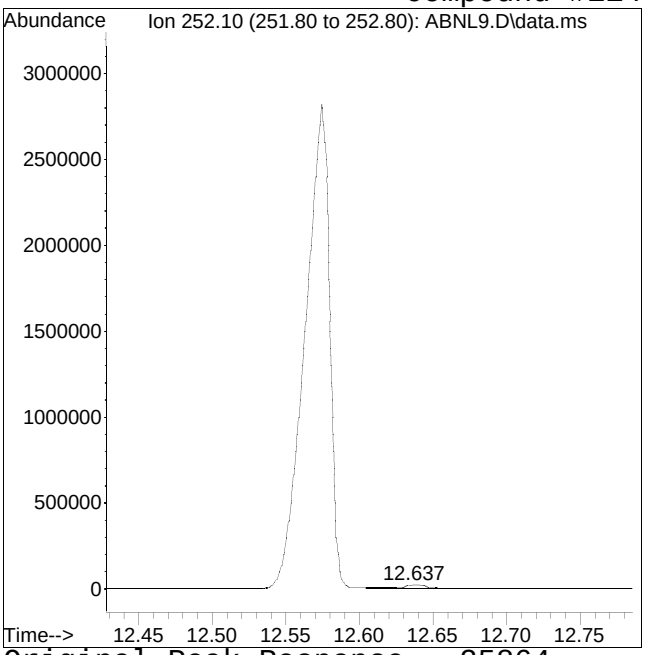


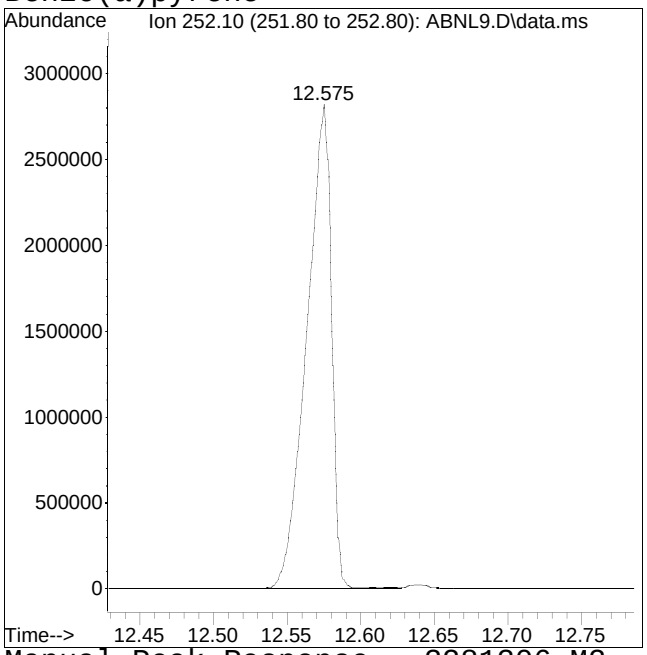
Original Peak Response = 3497162 Manual Peak Response = 3427673 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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

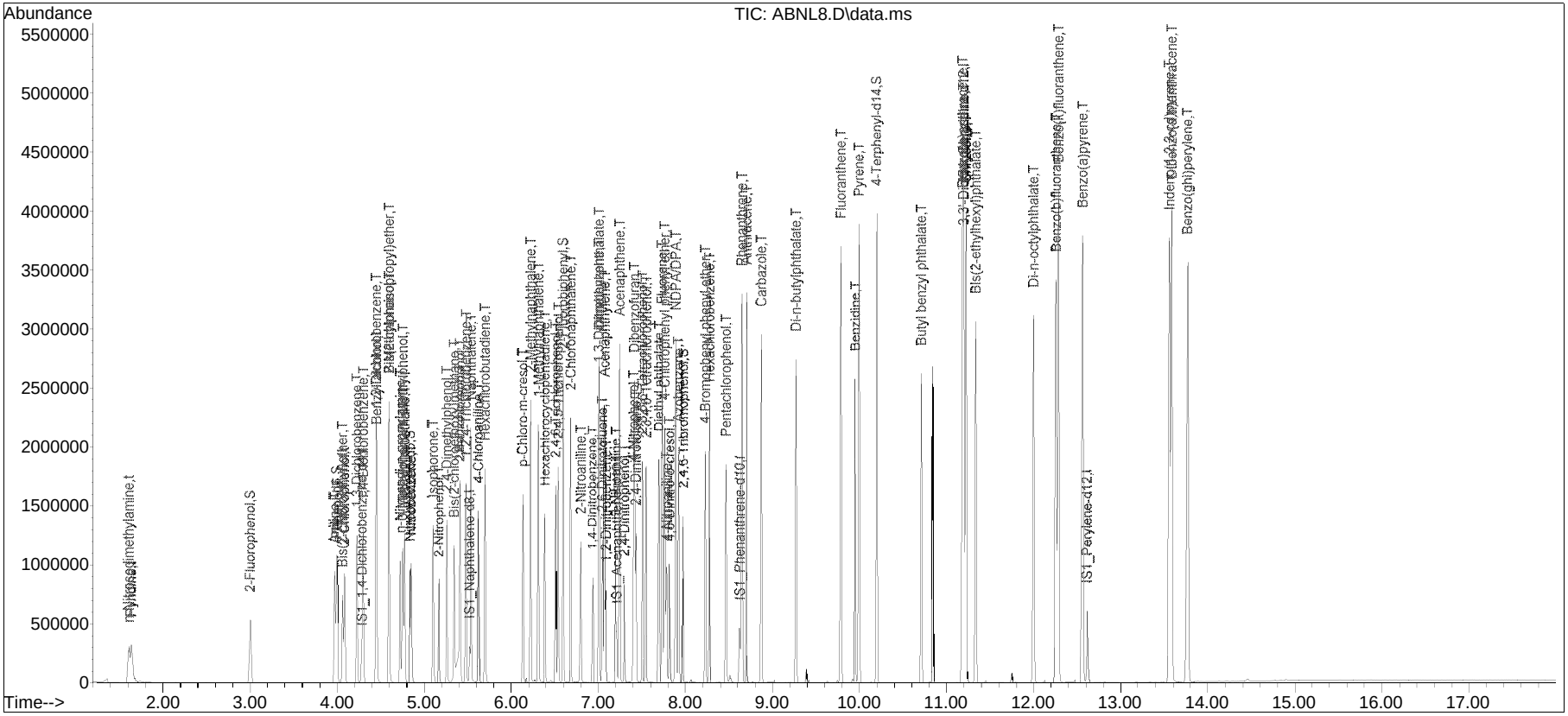
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

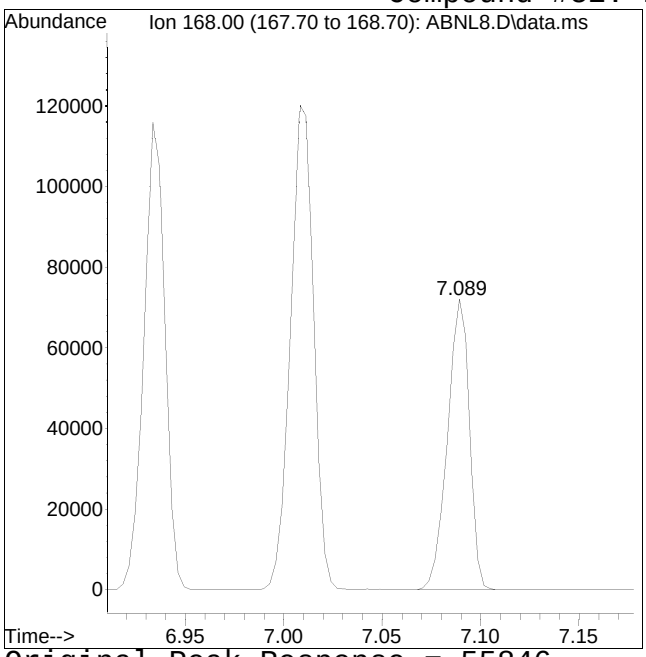
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

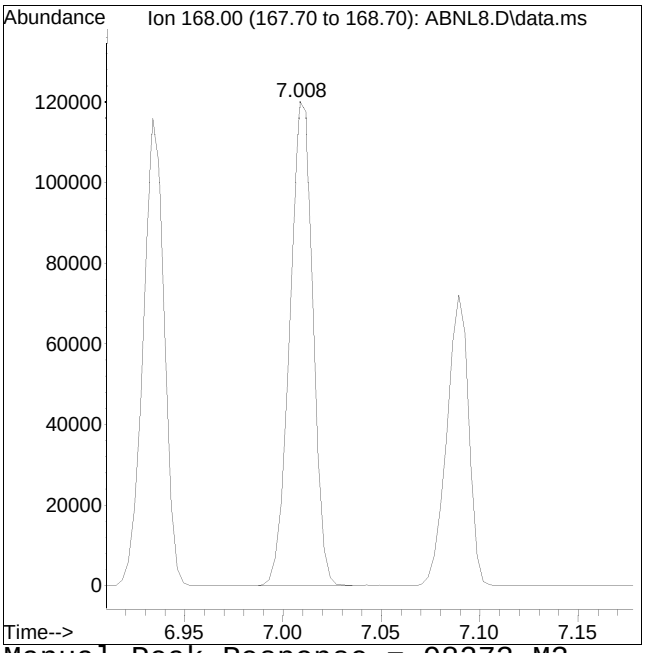


Manual Integration Report

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

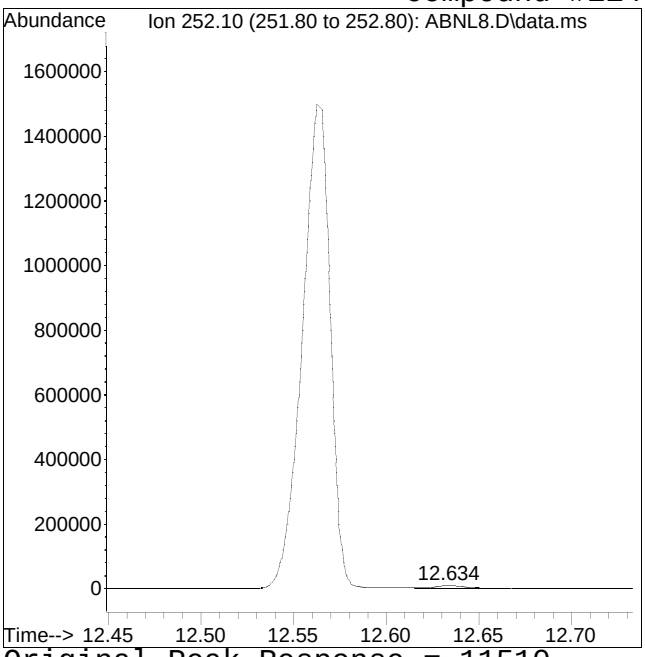
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

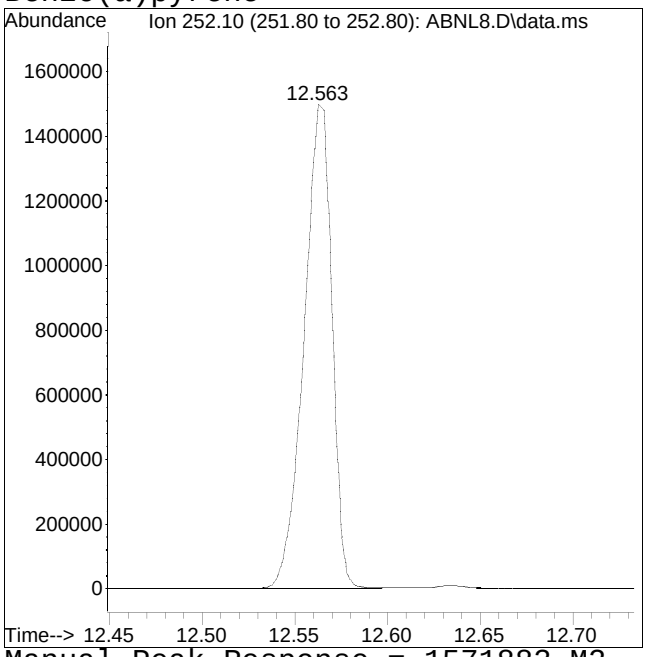
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL8.D
Date Inj'd : 11/5/2024 5:23 pm
Sample : IL3,32,,ABNL25 Lot# 11112

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #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

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)
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

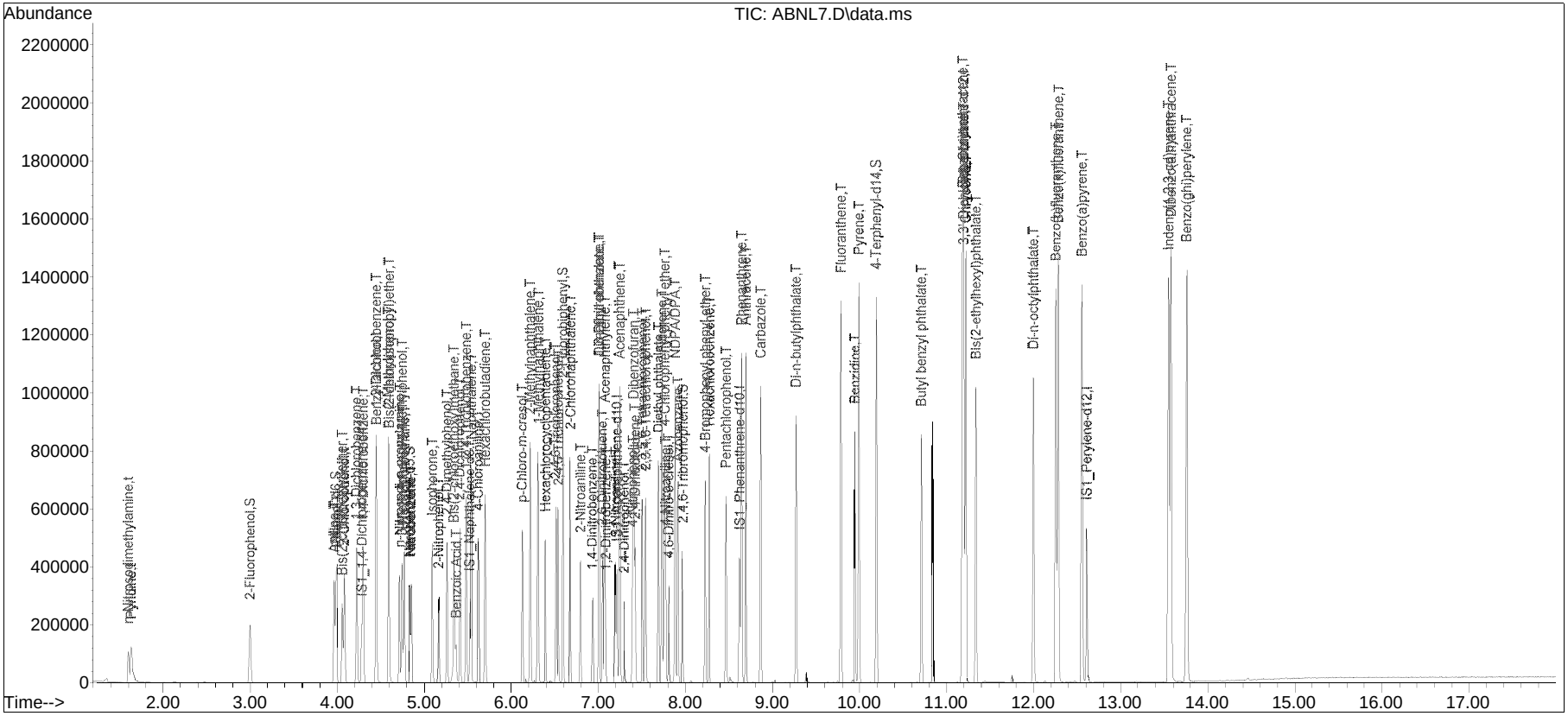
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

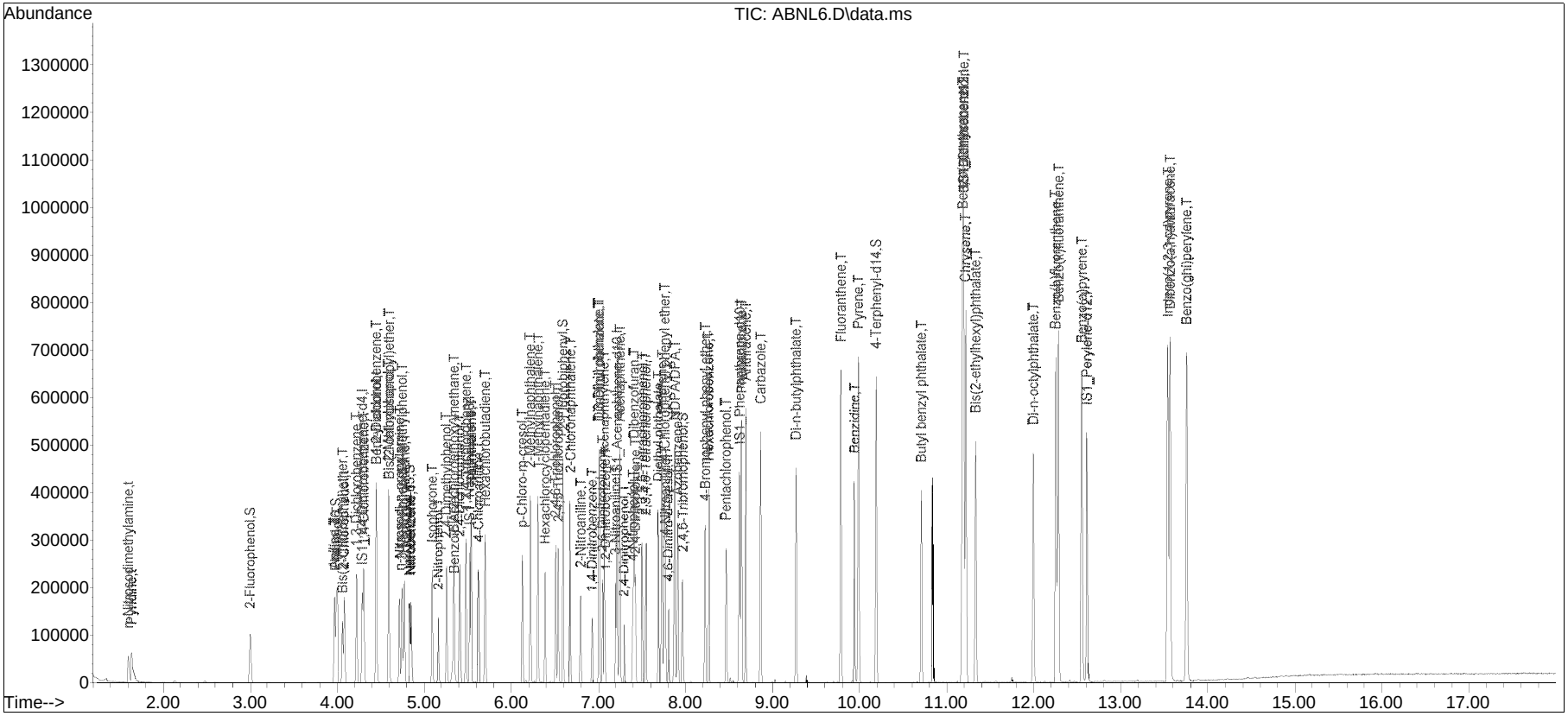
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

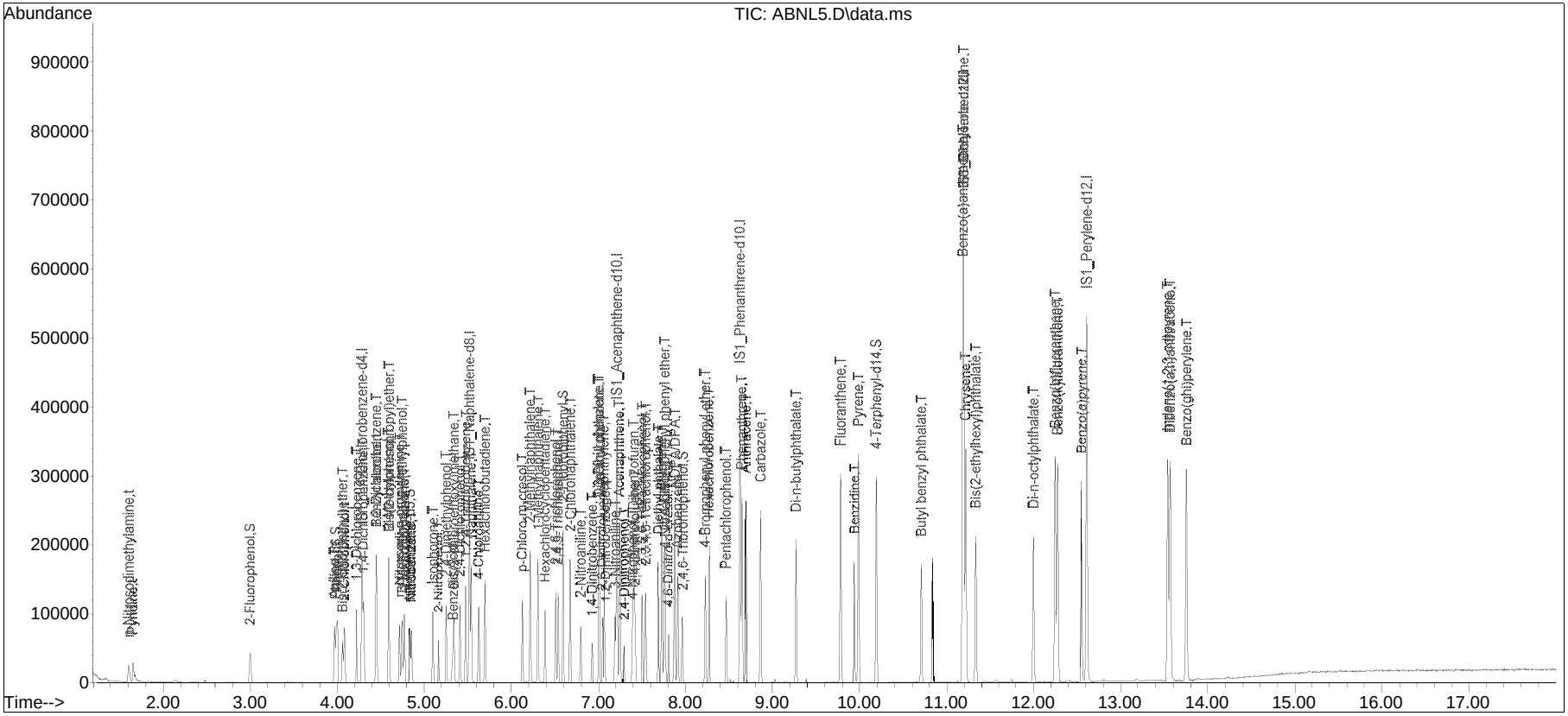
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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•

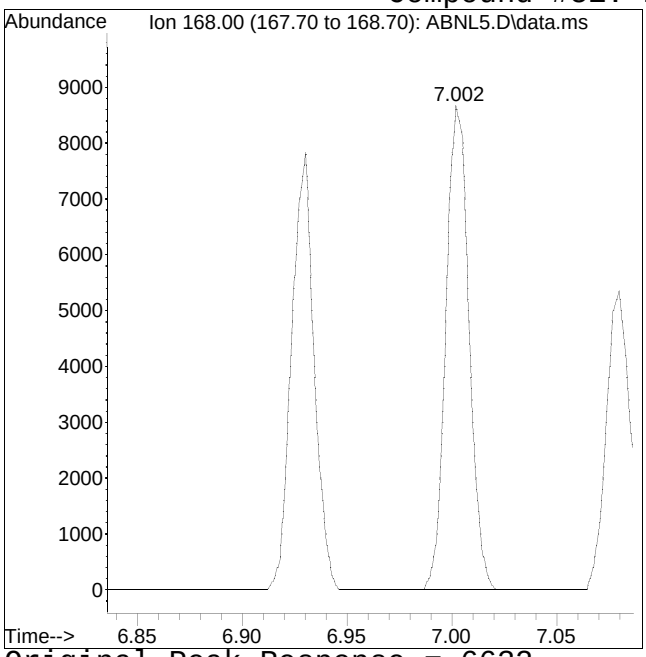


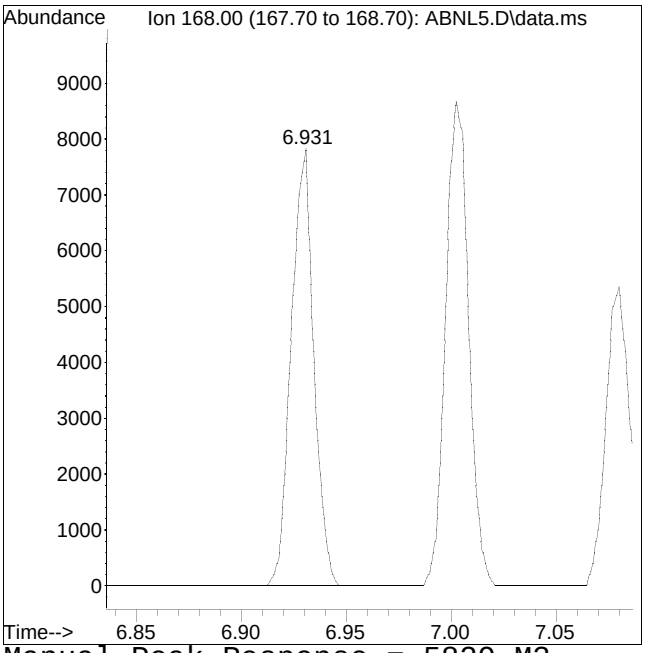
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL5.D
Date Inj'd : 11/5/2024 6:33 pm
Sample : IL6,32,,ABNL2.5 Lot# 11115

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 = 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

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

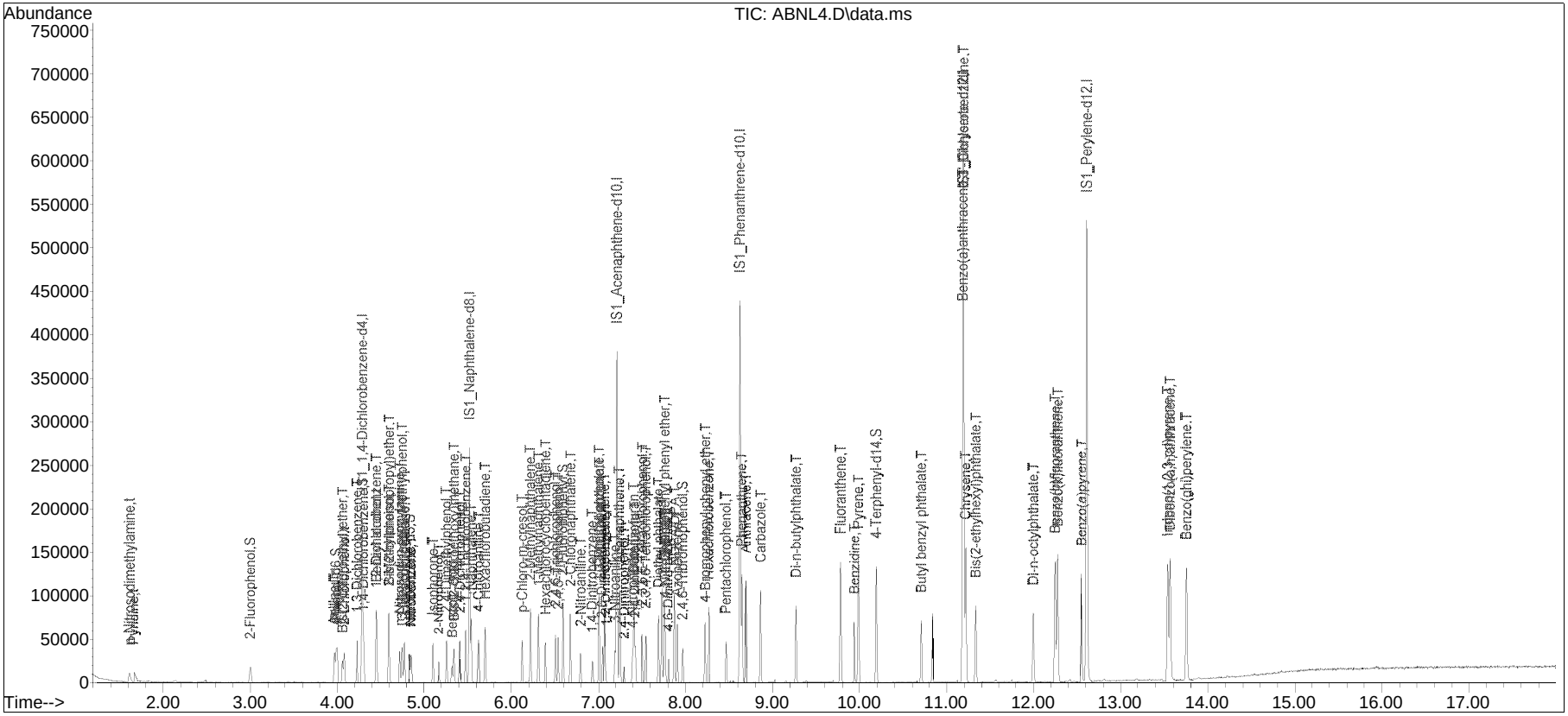
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

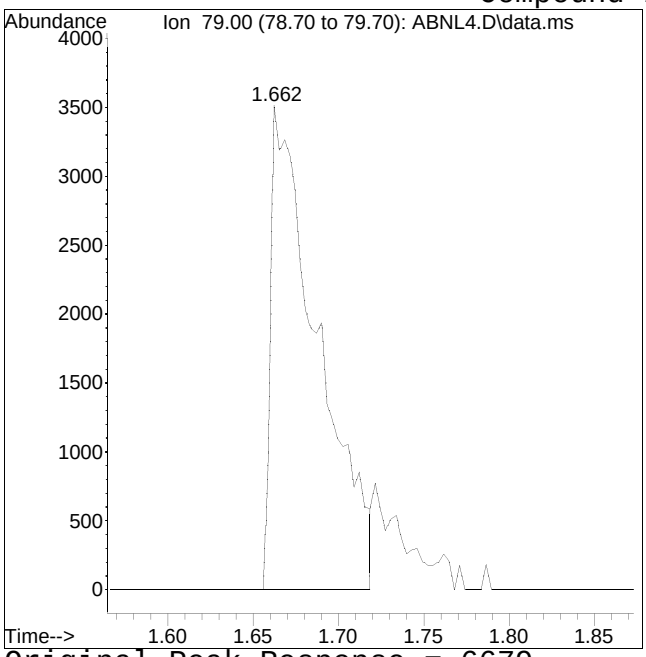
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

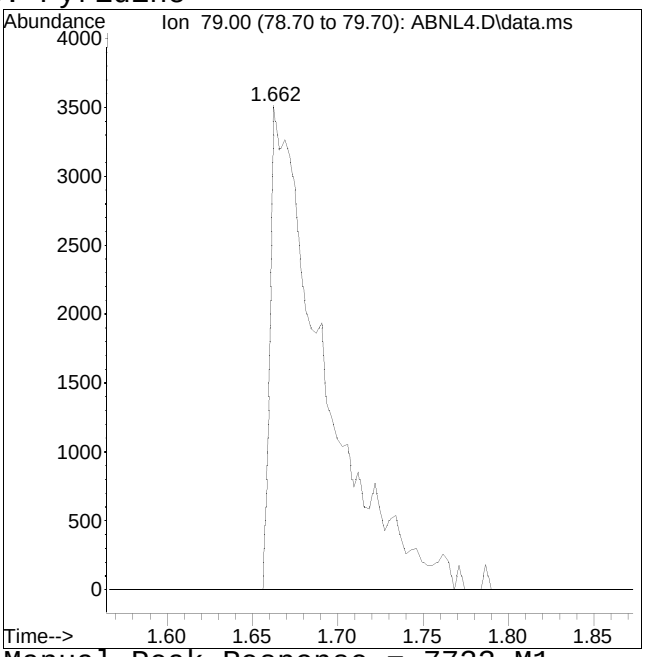


Manual Integration Report

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

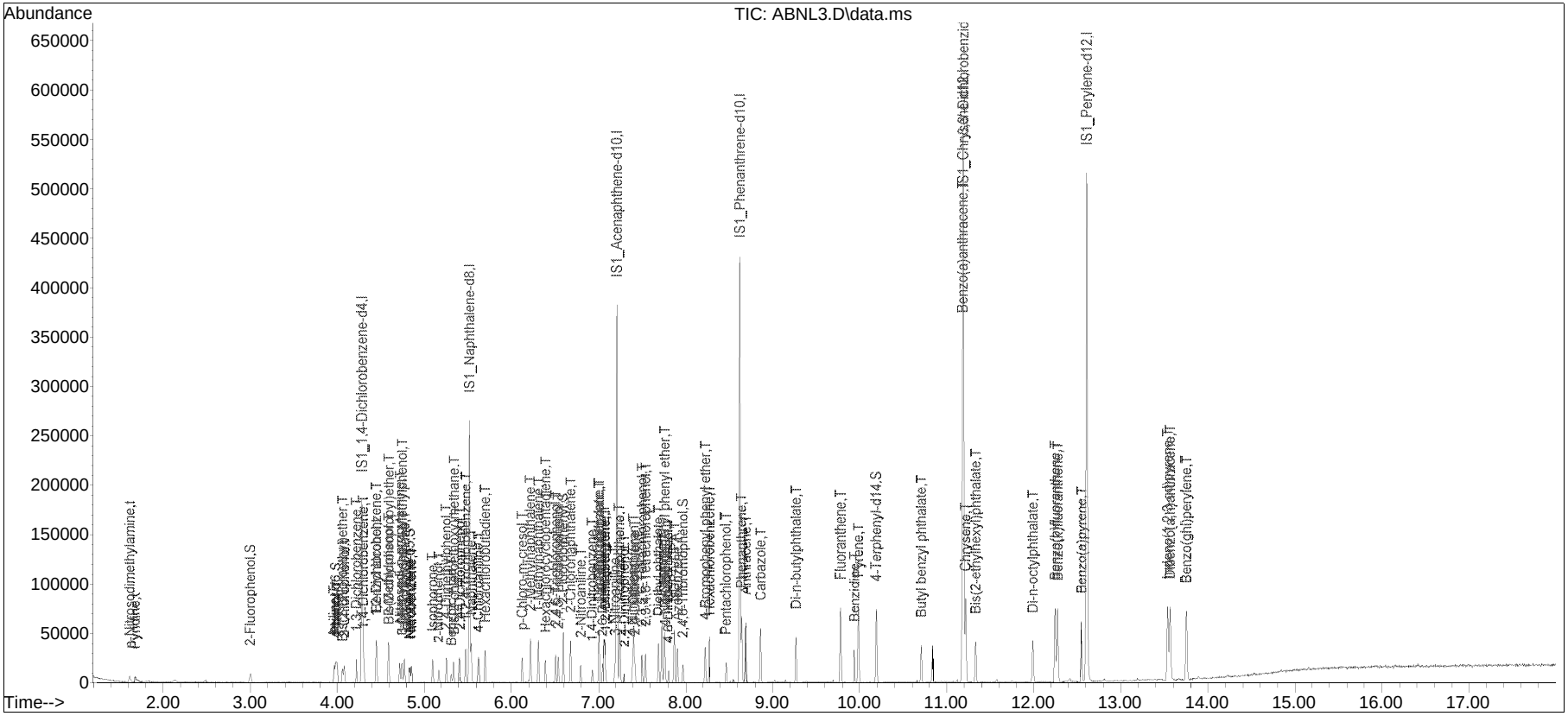
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

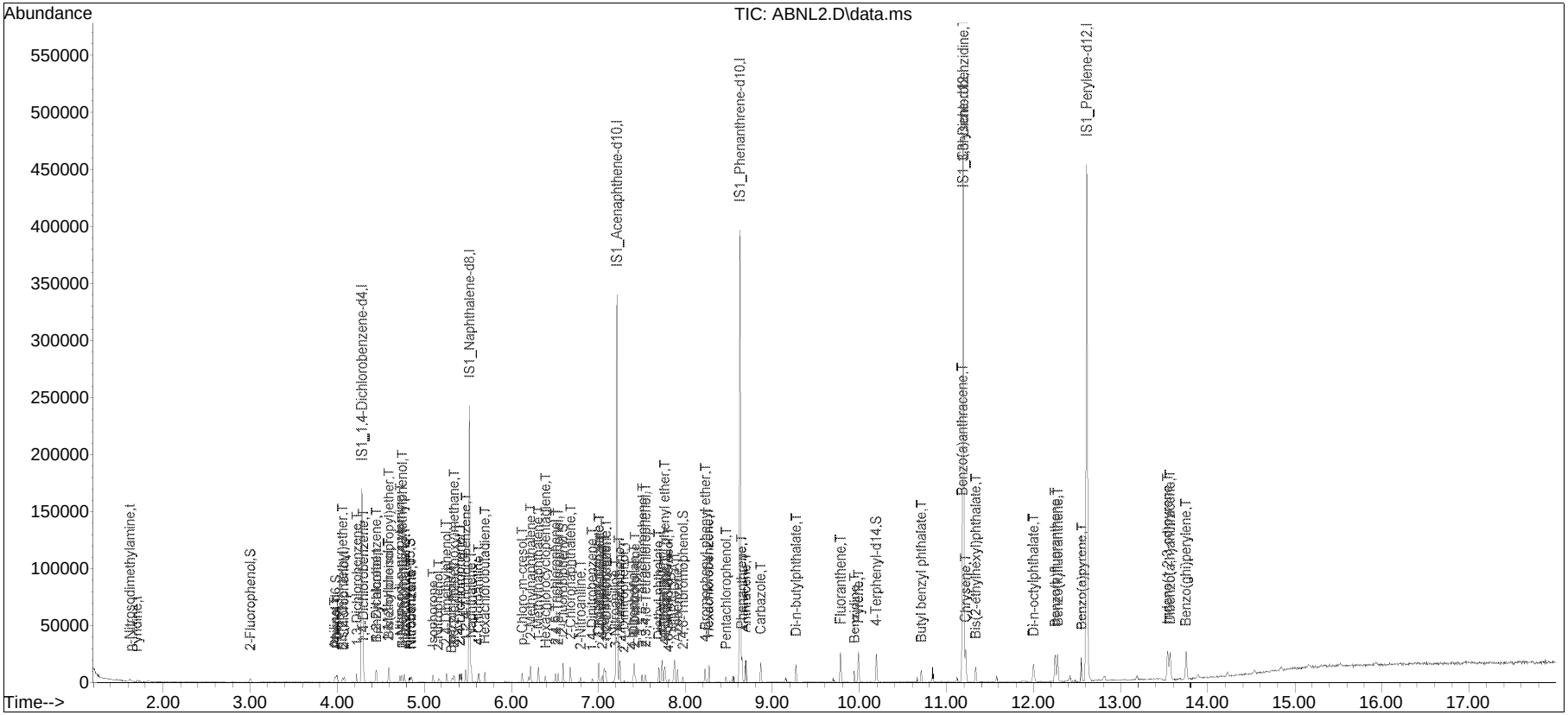
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

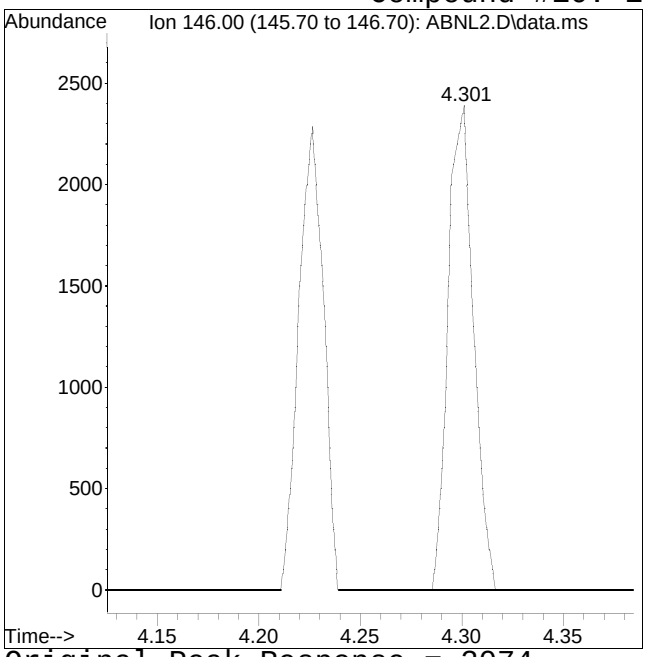
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

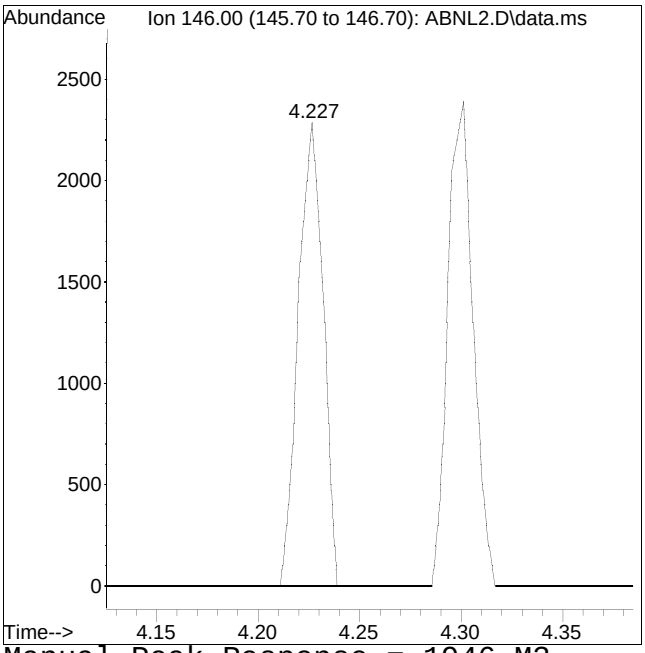


Manual Integration Report

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





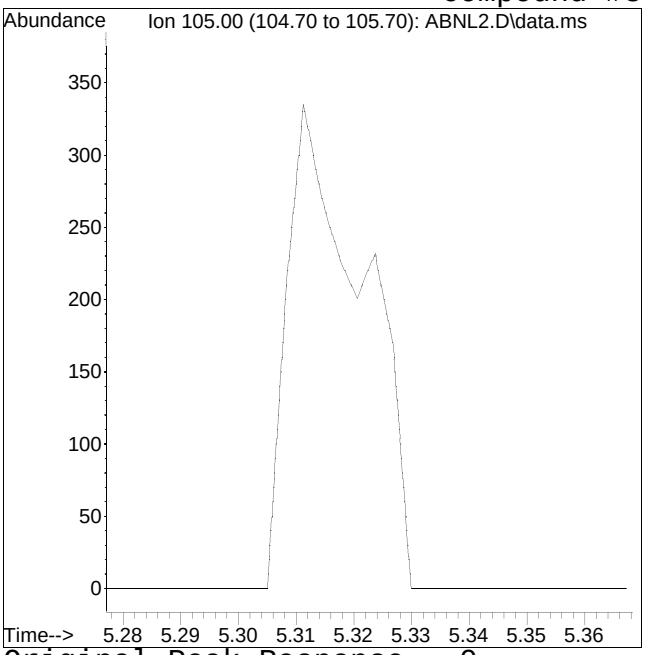
Original Peak Response = 2074 Manual Peak Response = 1946 M3

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.

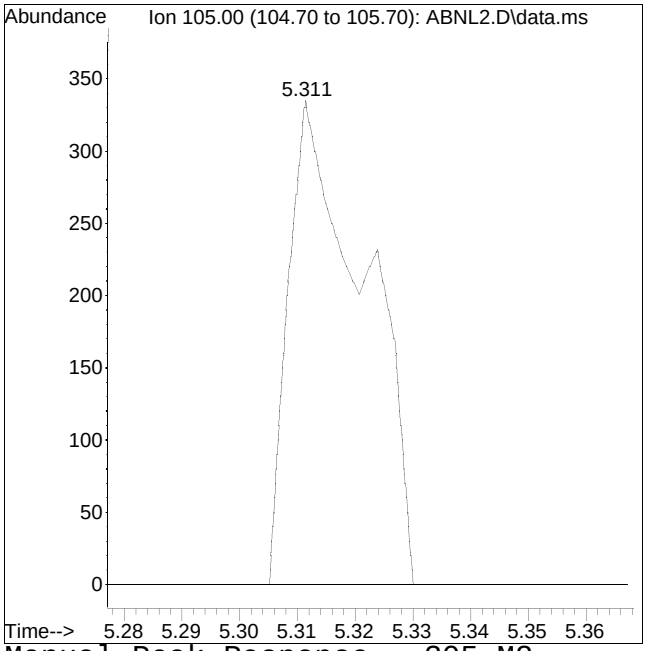
Manual Integration Report

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

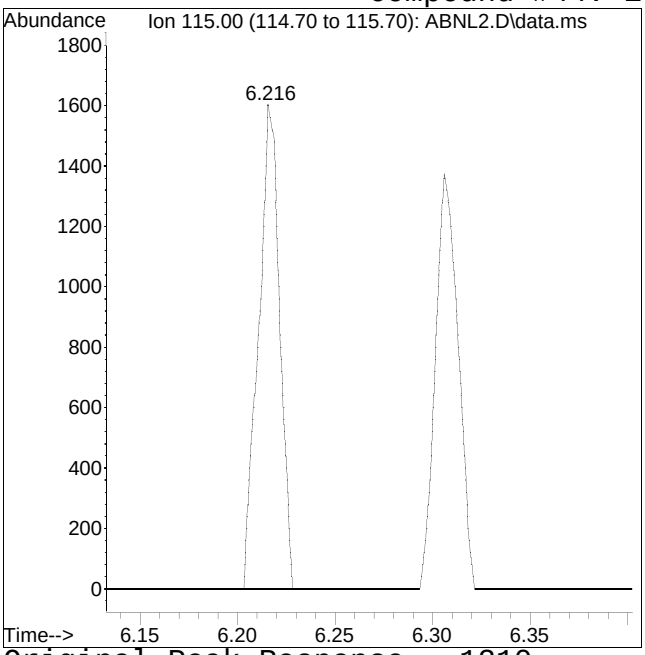
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

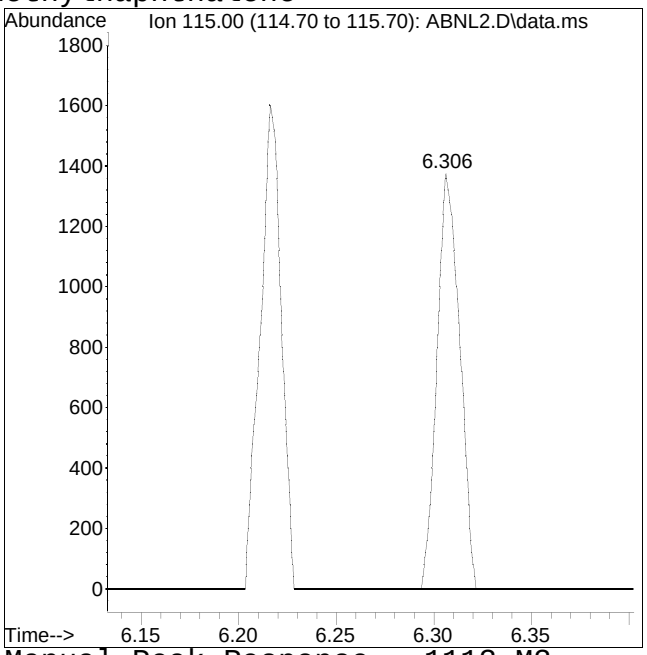
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

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

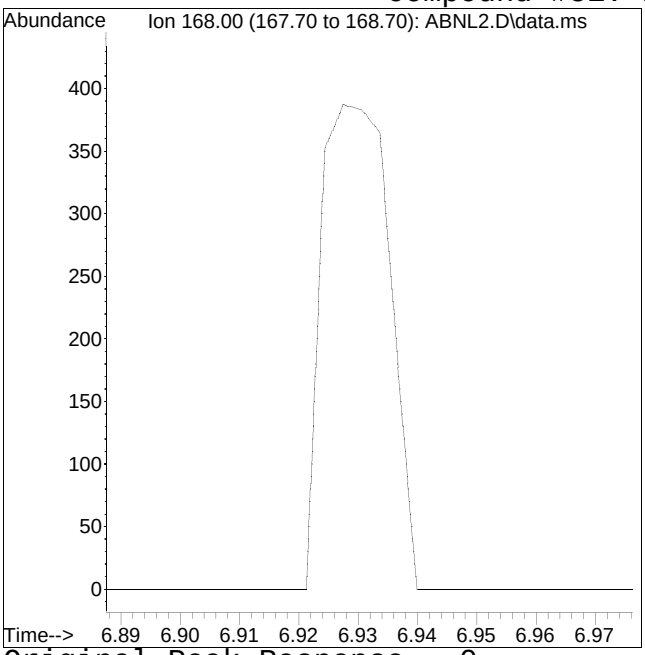
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

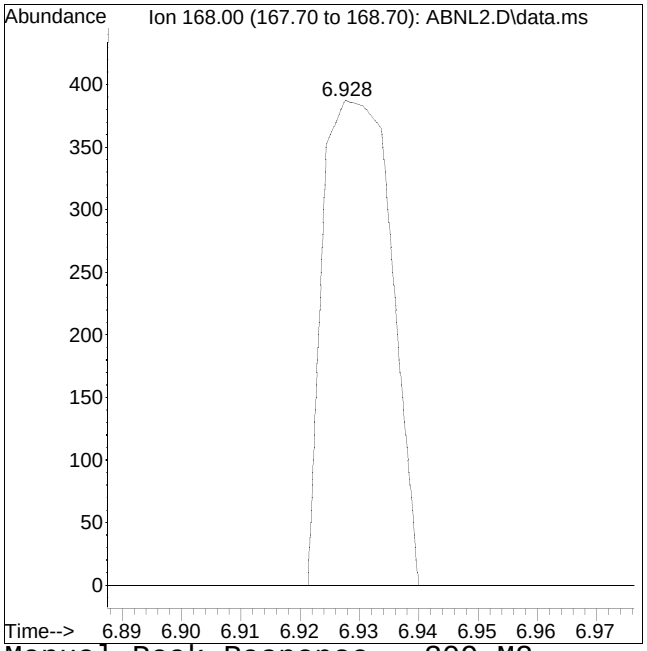
Manual Integration Report

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



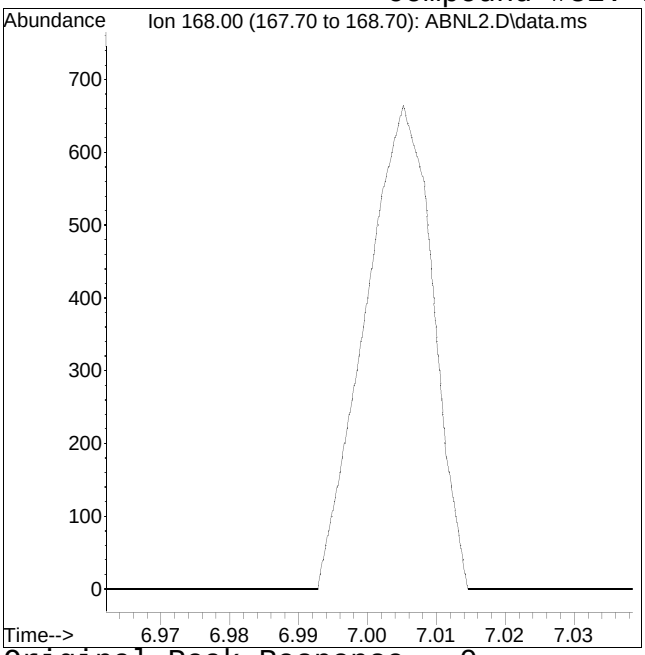


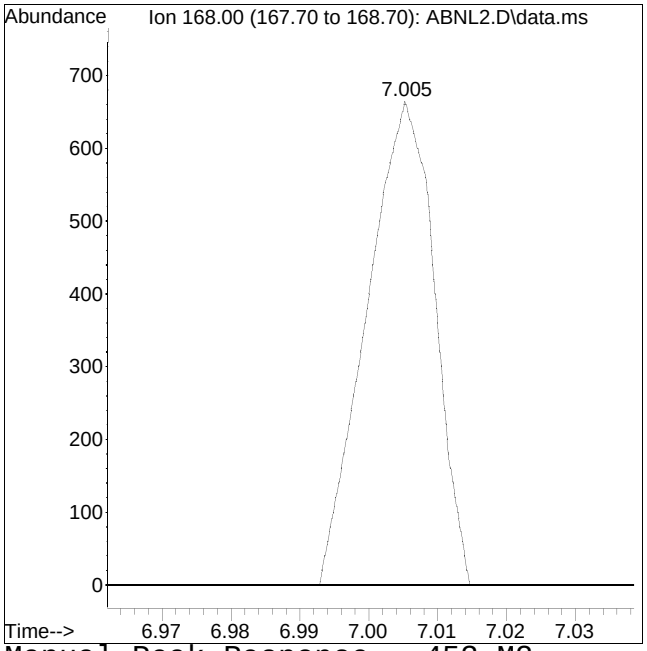
Original Peak Response = 0
Manual Peak Response = 309 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL2.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 7:42 pm Instrument : Dakota
Sample : IL9,32,,ABNL0.2 Lot# 11149Quant Date : 11/6/2024 8:35 am

Compound #52: 1,3-Dinitrobenzene





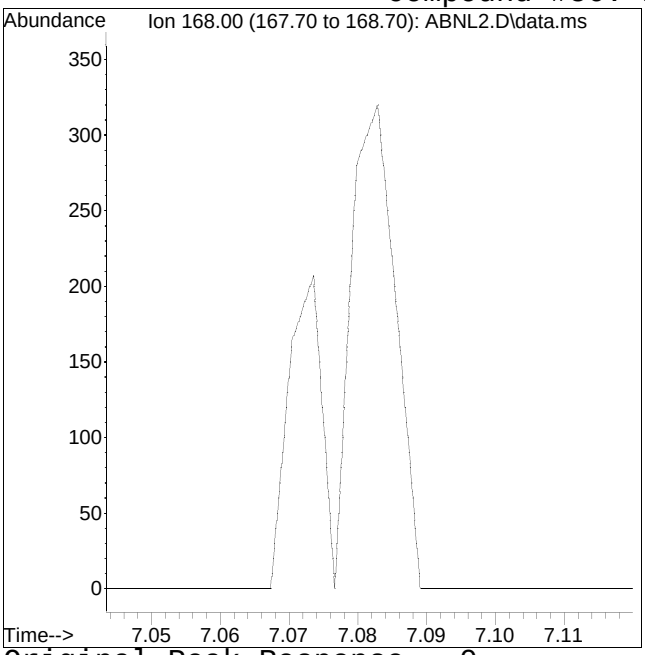
Original Peak Response = 0 Manual Peak Response = 453 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

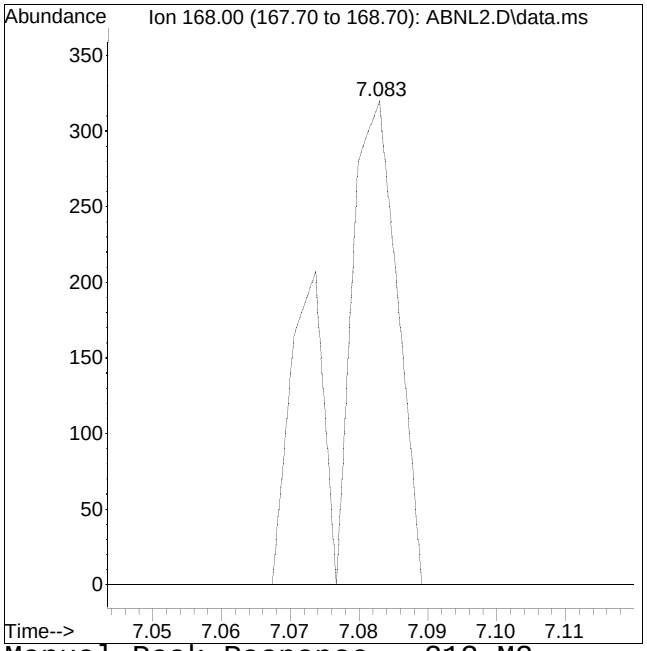
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

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

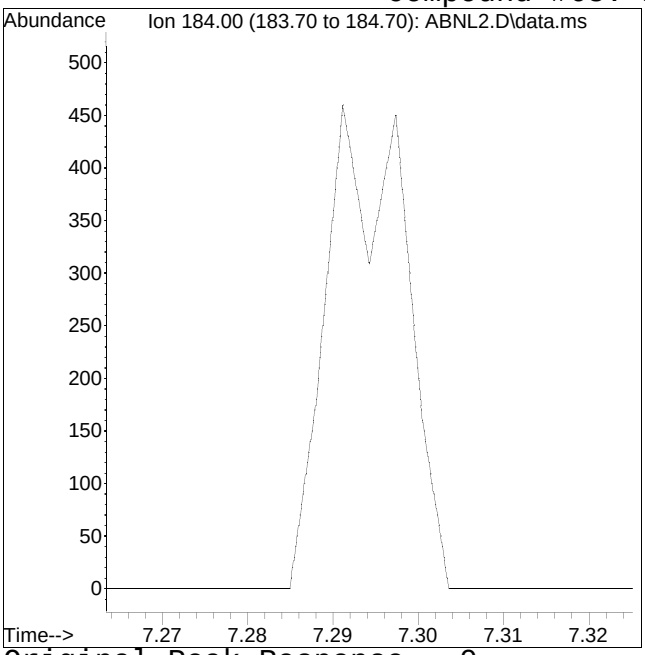
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

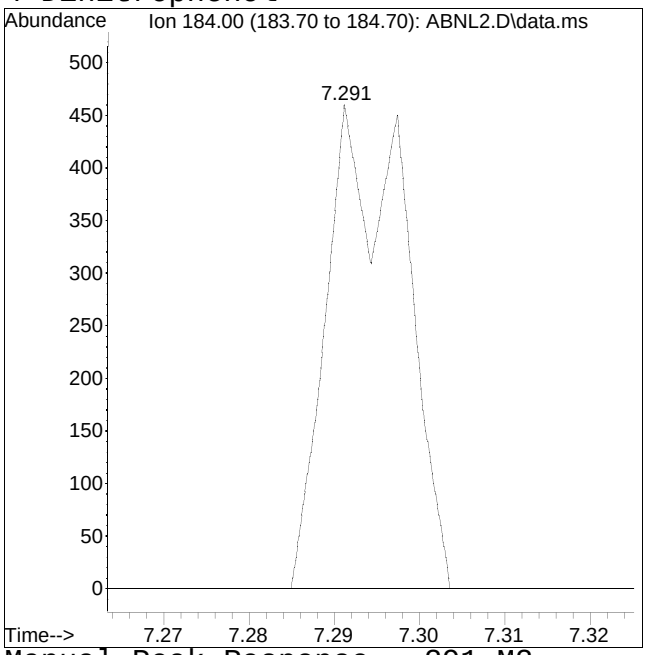
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

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



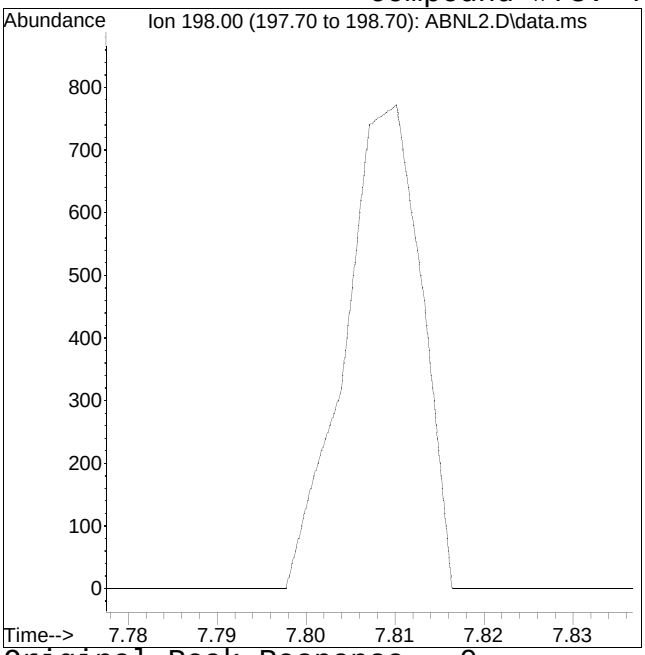
Manual Peak Response = 291 M2

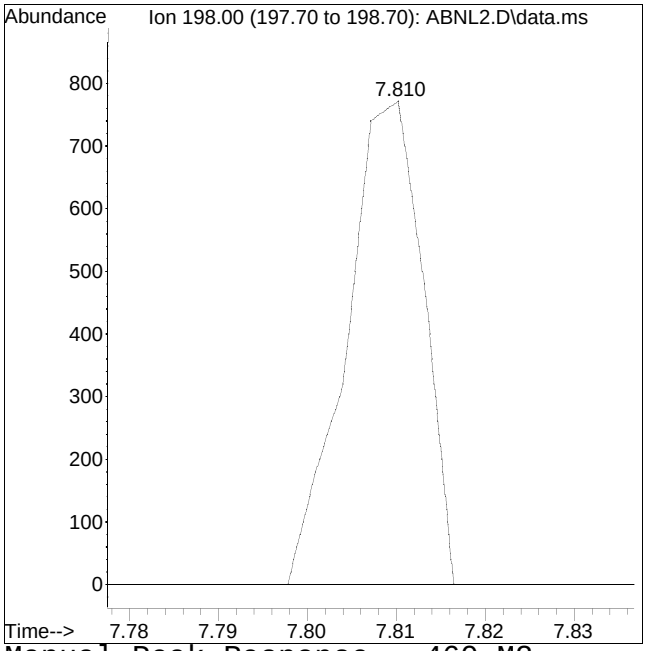
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL2.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 7:42 pm Instrument : Dakota
Sample : IL9,32,,ABNL0.2 Lot# 11149Quant 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

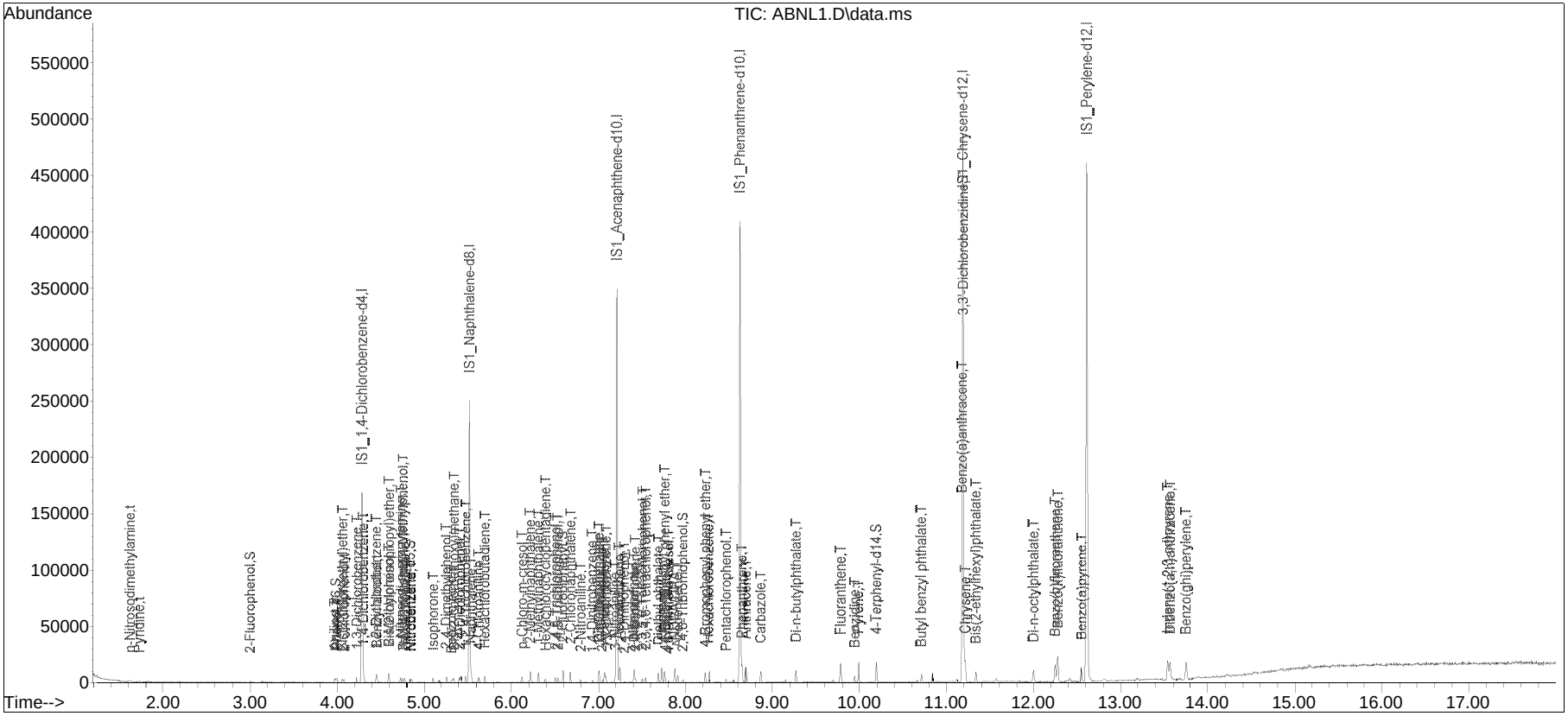
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

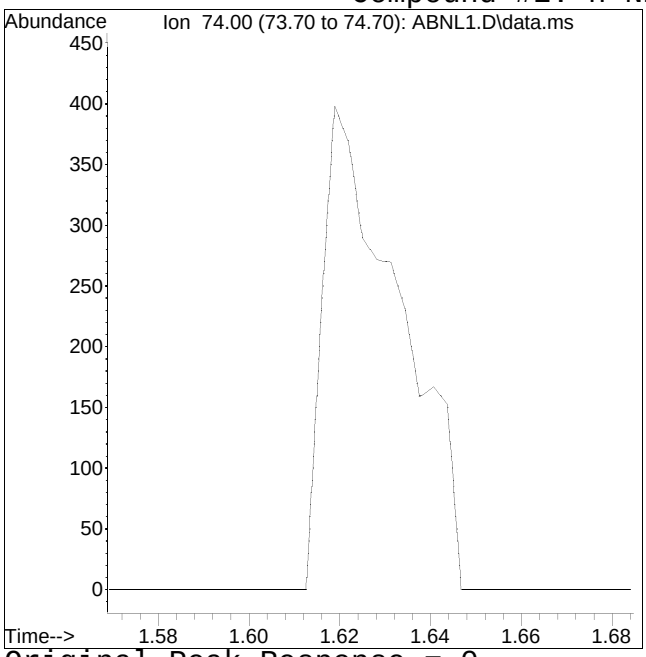
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

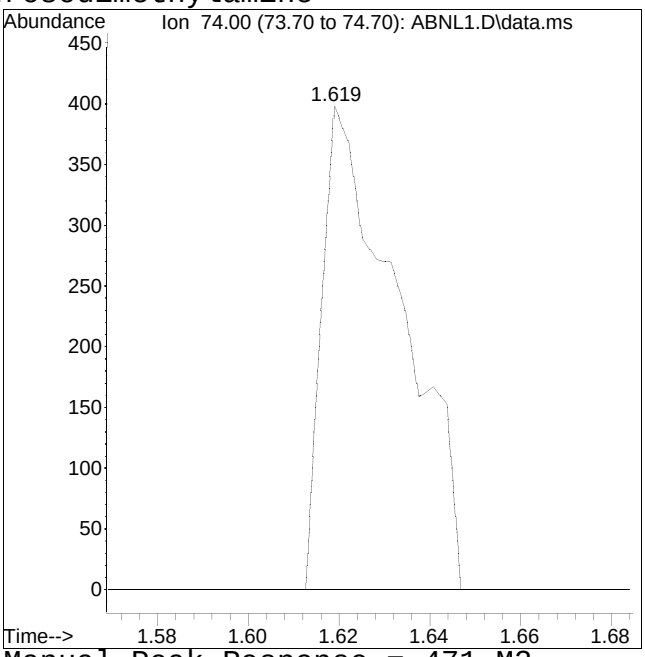


Manual Integration Report

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



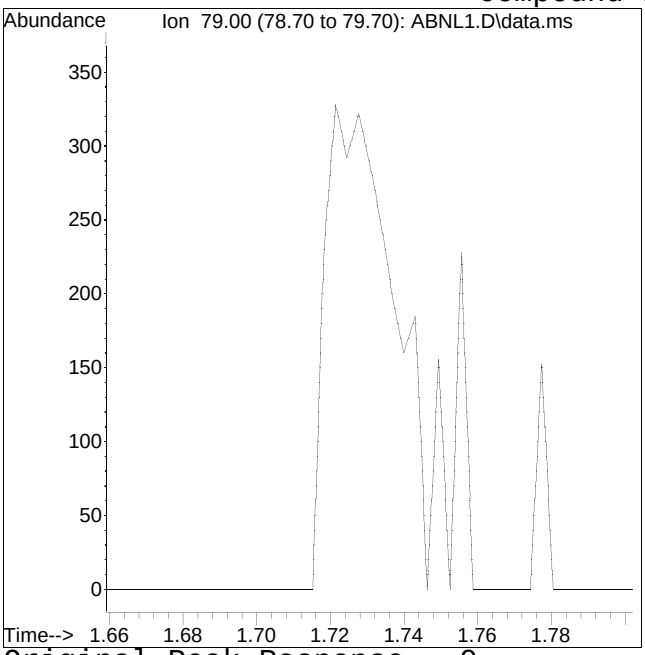


Original Peak Response = 0 Manual Peak Response = 471 M2
M2 = Peak not found by automatic integration algorithm.

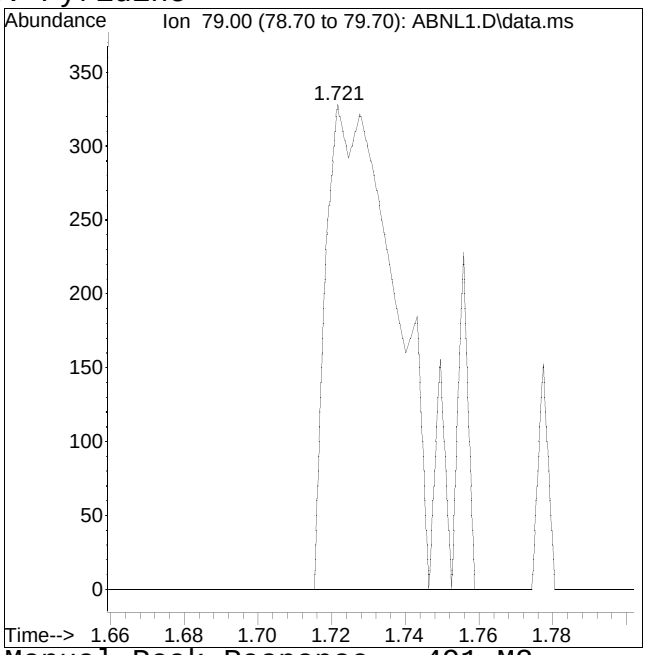
Manual Integration Report

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



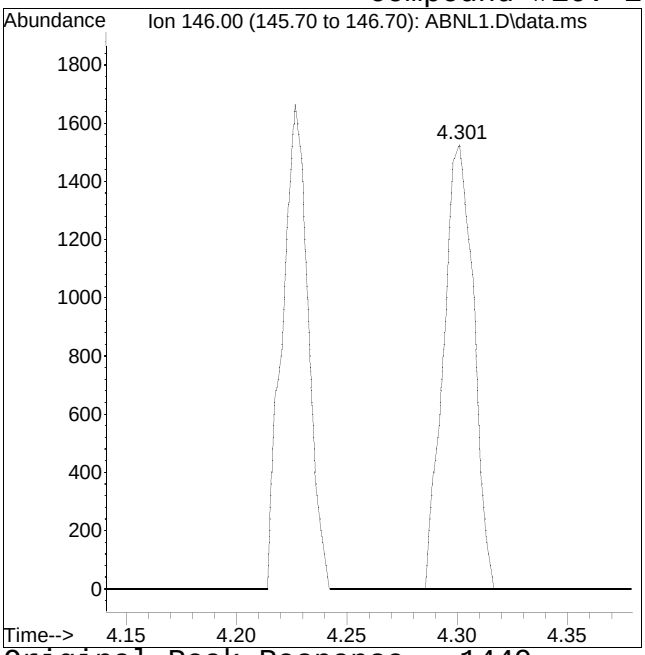
Manual Peak Response = 491 M2

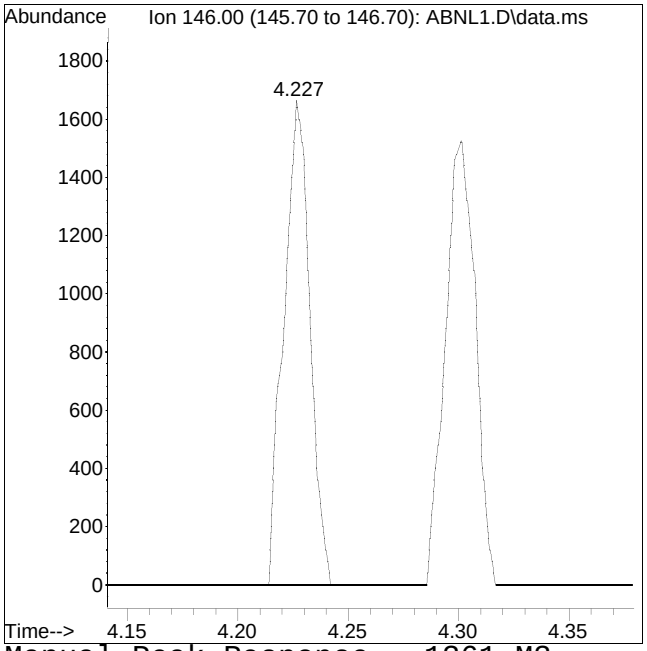
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\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 #10: 1,3-Dichlorobenzene





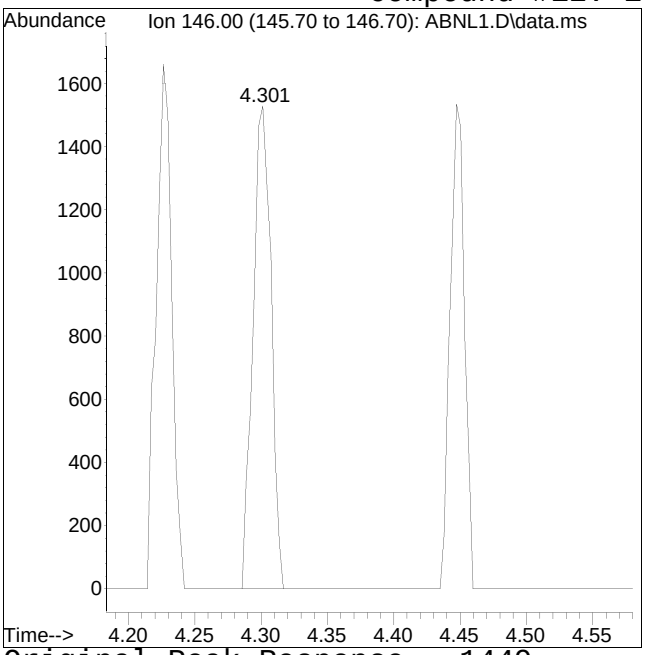
Original Peak Response = 1449 Manual Peak Response = 1361 M3

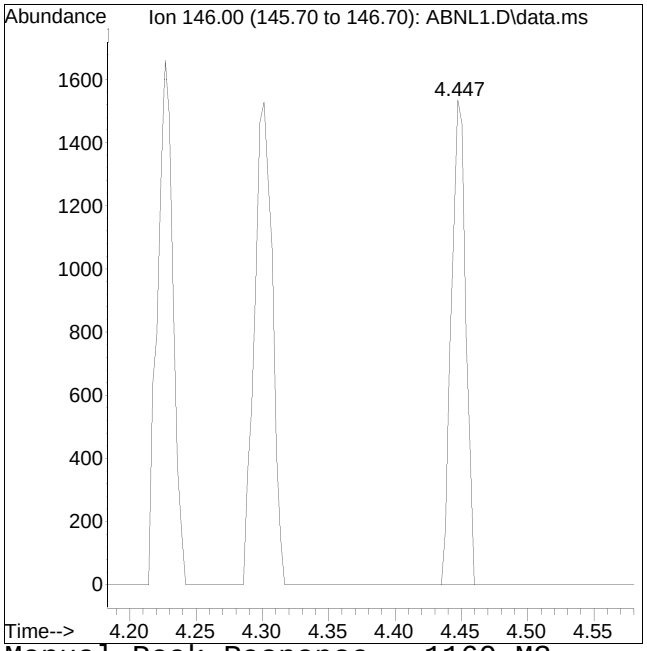
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

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





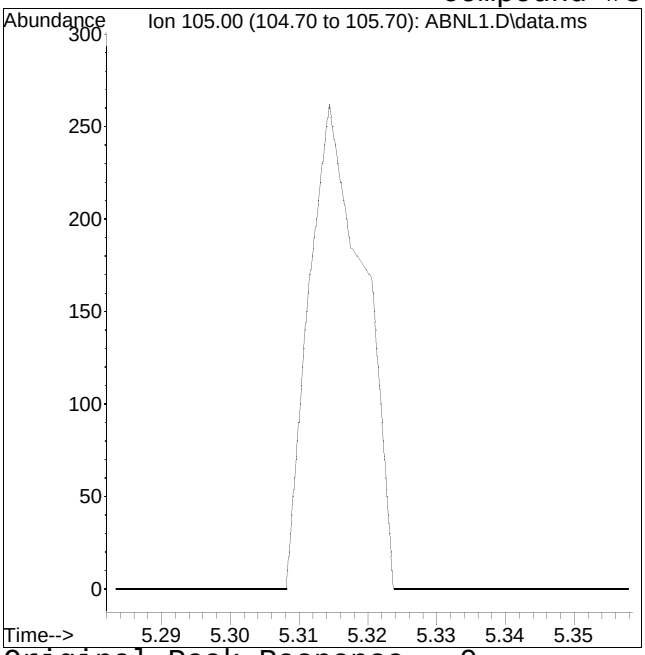
Original Peak Response = 1449 Manual Peak Response = 1160 M3

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.

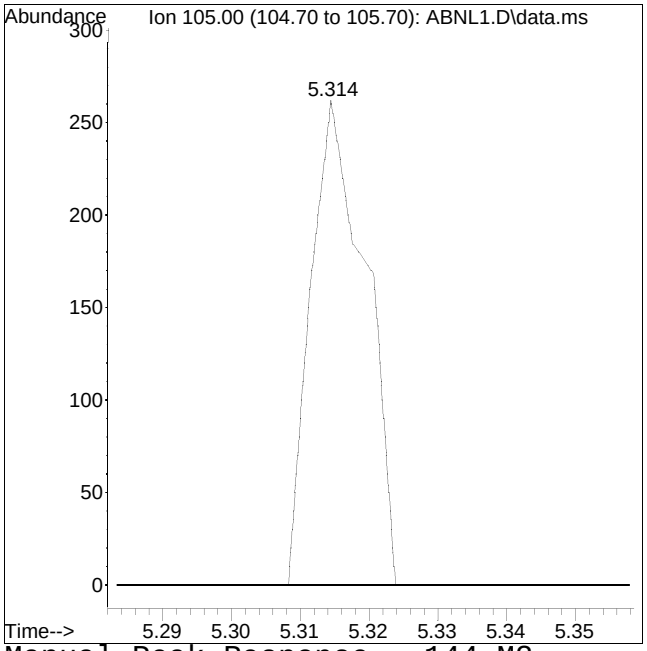
Manual Integration Report

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



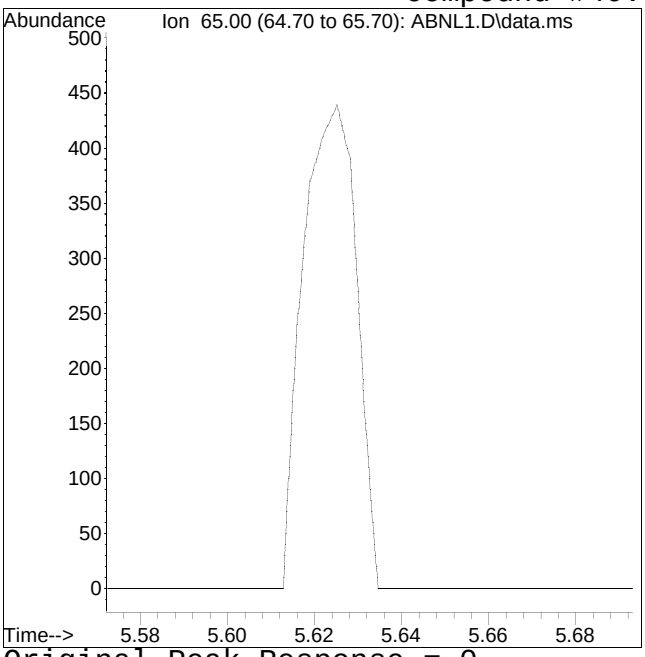
Manual Peak Response = 144 M2

M2 = Peak not found by automatic integration algorithm.

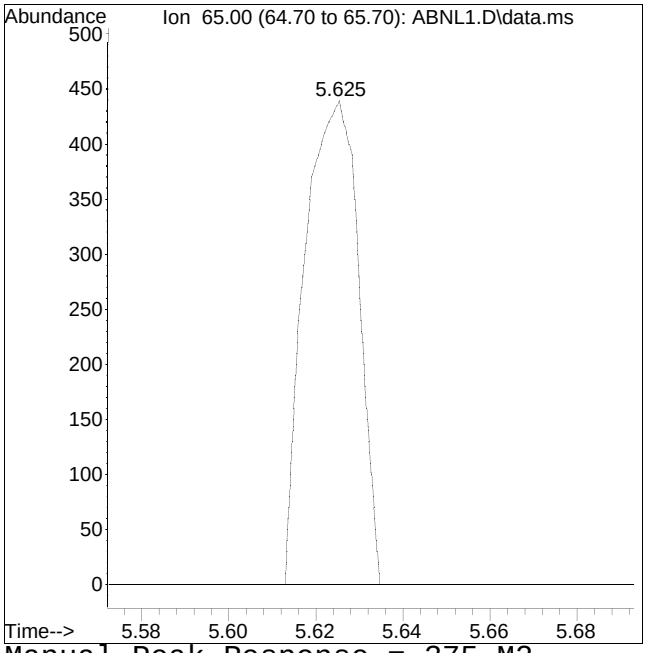
Manual Integration Report

Data Path : I:\8270\Dakota\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 #40: 4-Chloroaniline



Original Peak Response = 0



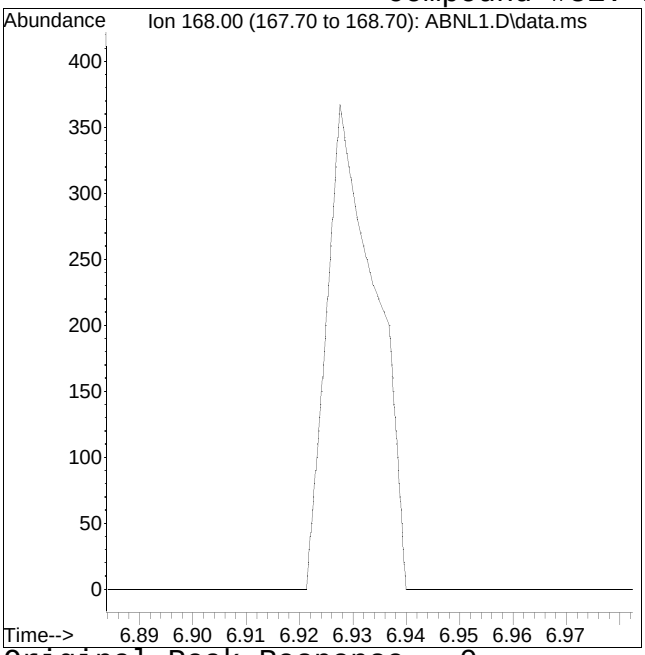
Manual Peak Response = 375 M2

M2 = Peak not found by automatic integration algorithm.

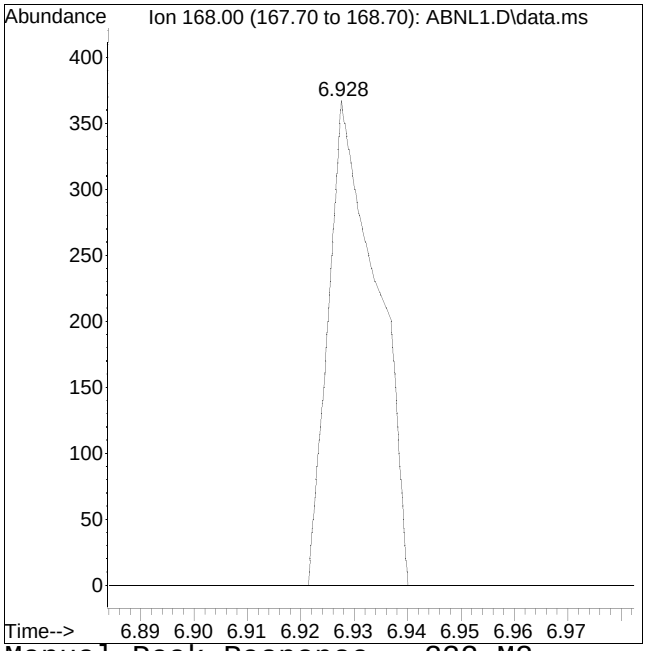
Manual Integration Report

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



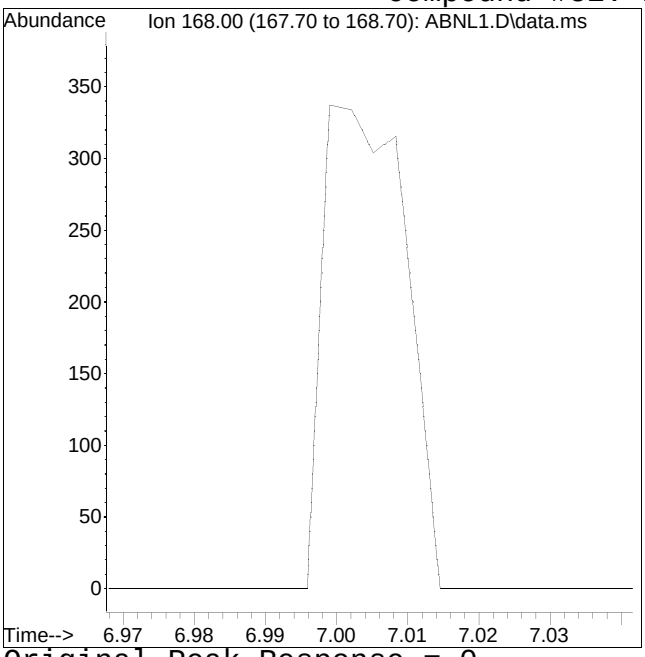
Manual Peak Response = 232 M2

M2 = Peak not found by automatic integration algorithm.

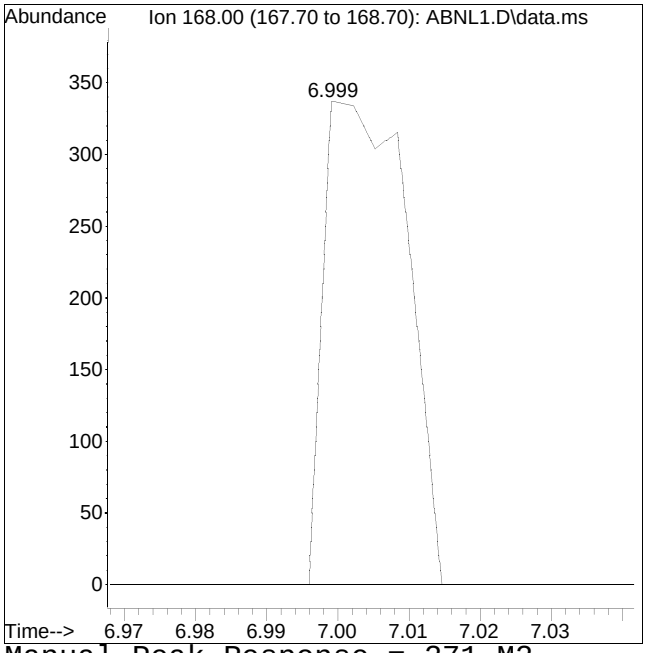
Manual Integration Report

Data Path : I:\8270\Dakota\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 #52: 1,3-Dinitrobenzene



Original Peak Response = 0



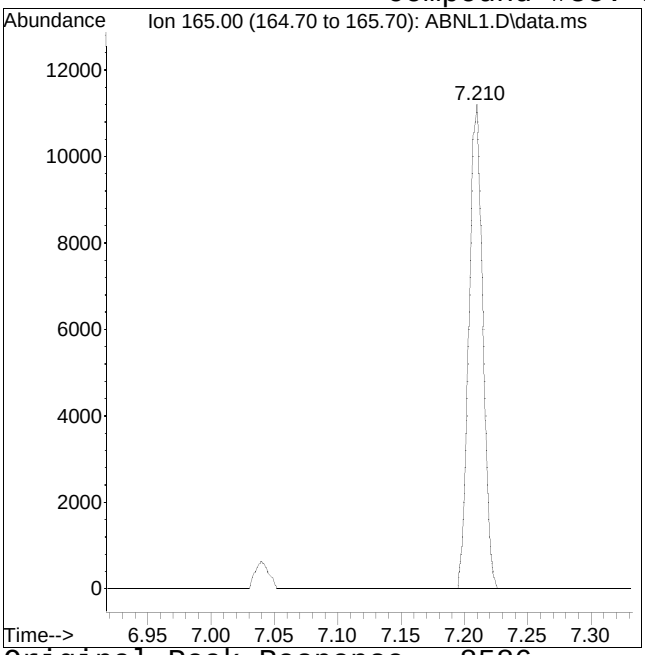
Manual Peak Response = 271 M2

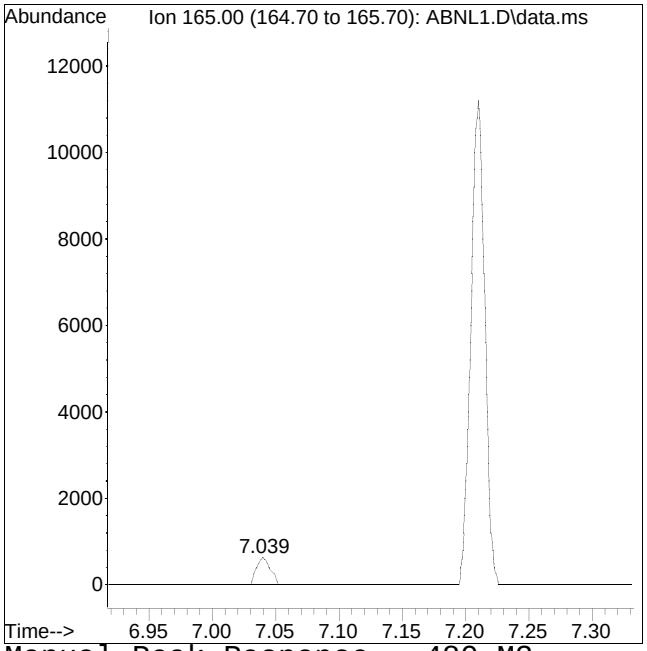
M2 = Peak not found by automatic integration algorithm.

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





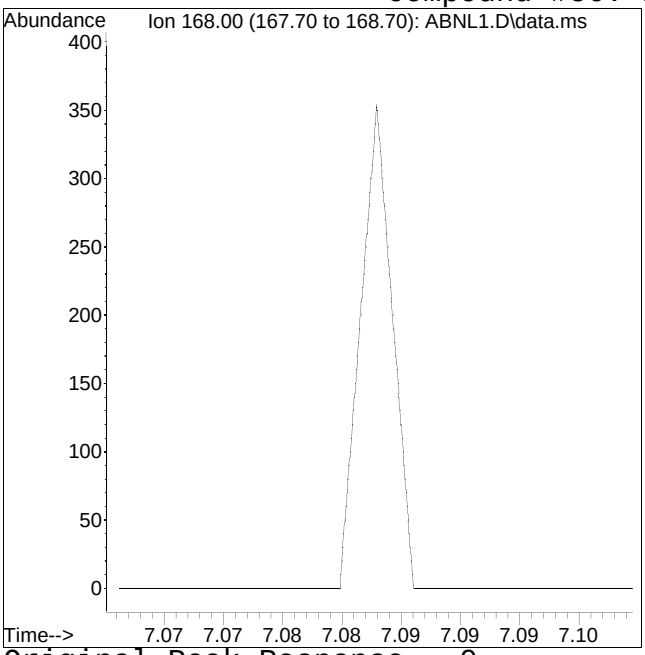
Original Peak Response = 8586 Manual Peak Response = 480 M3

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.

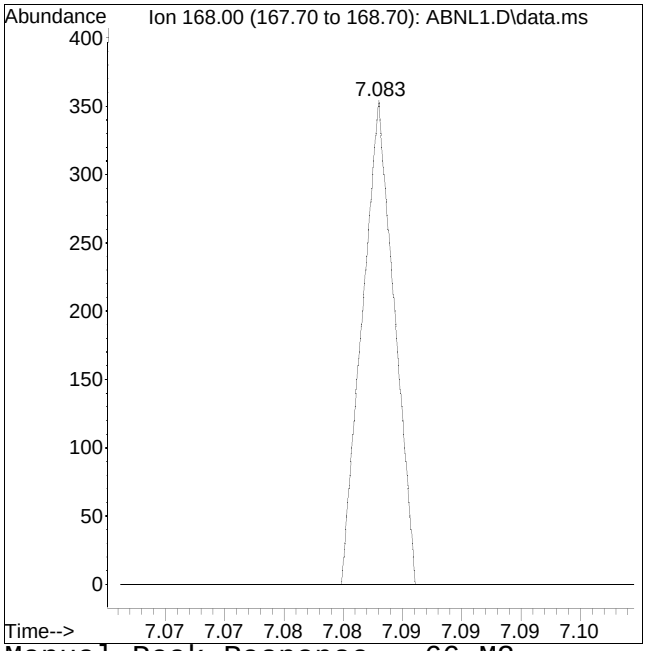
Manual Integration Report

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

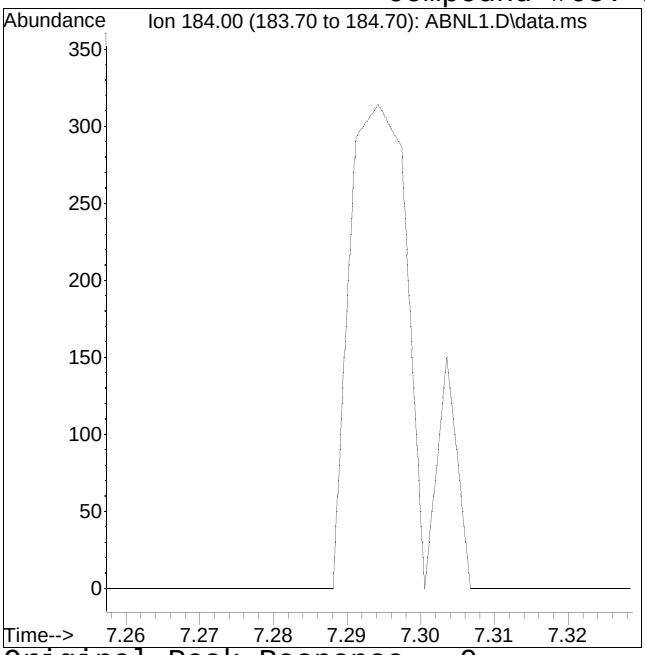
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

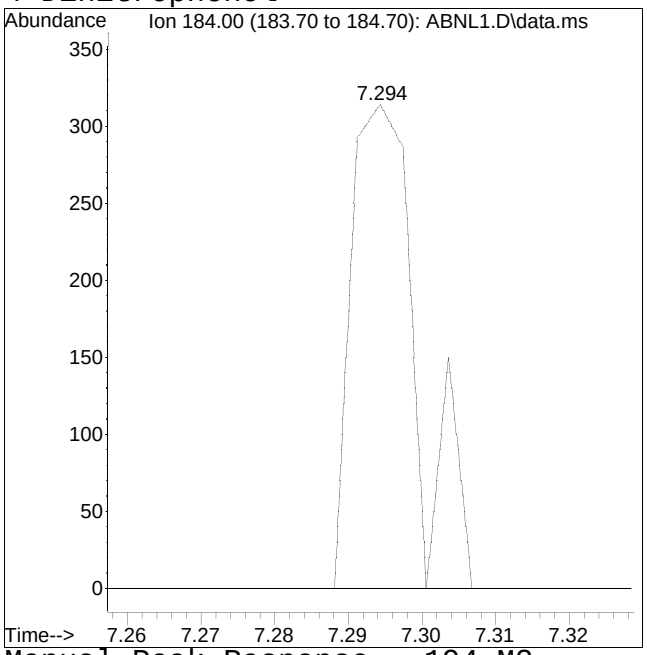
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115

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



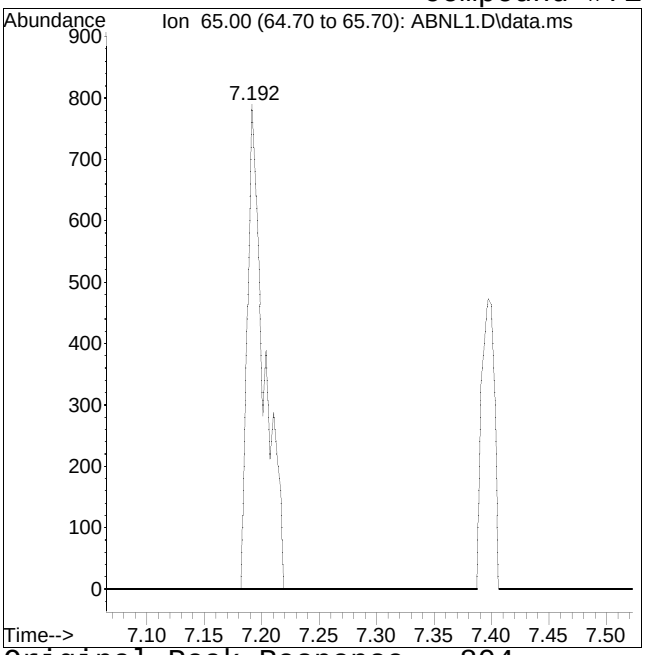
Manual Peak Response = 194 M2

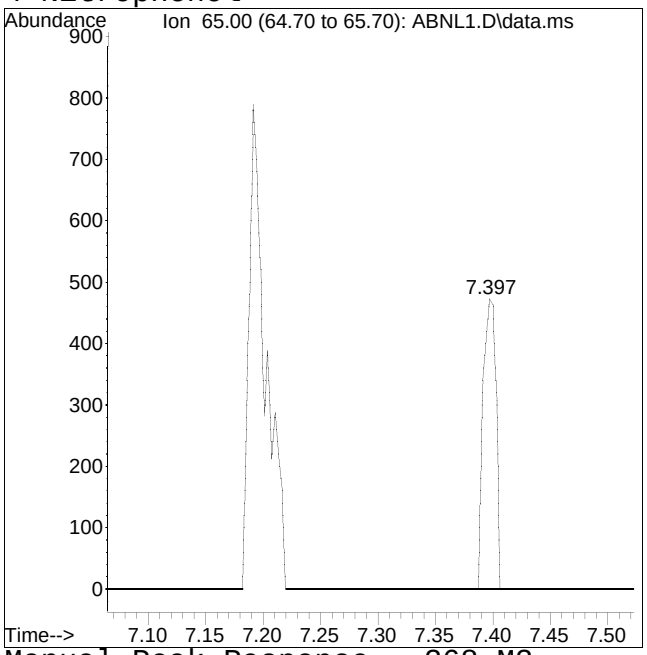
M2 = Peak not found by automatic integration algorithm.

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





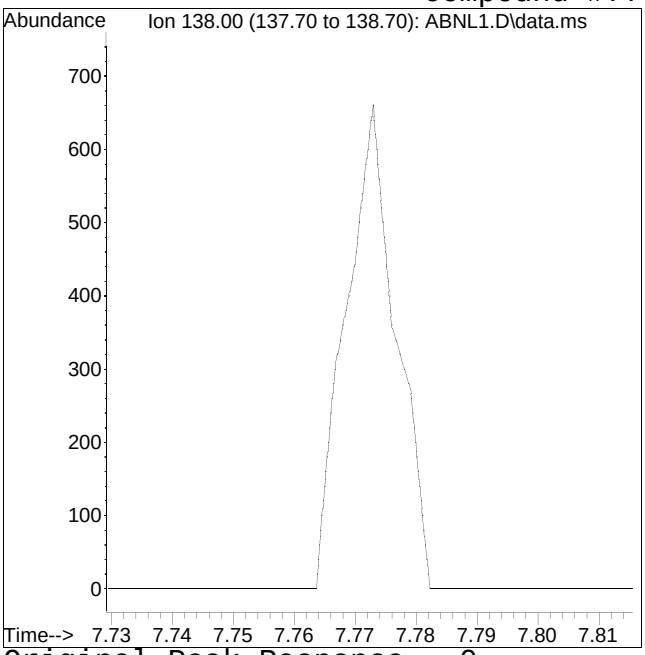
Original Peak Response = 804 Manual Peak Response = 368 M3

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.

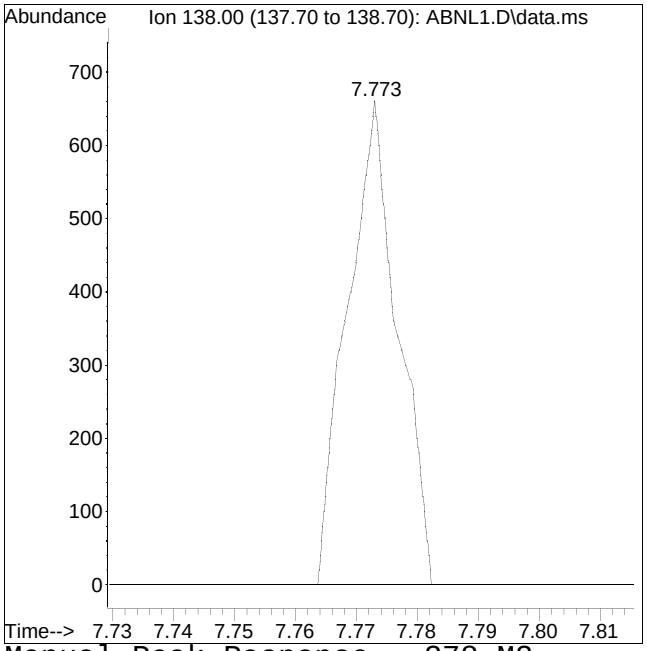
Manual Integration Report

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



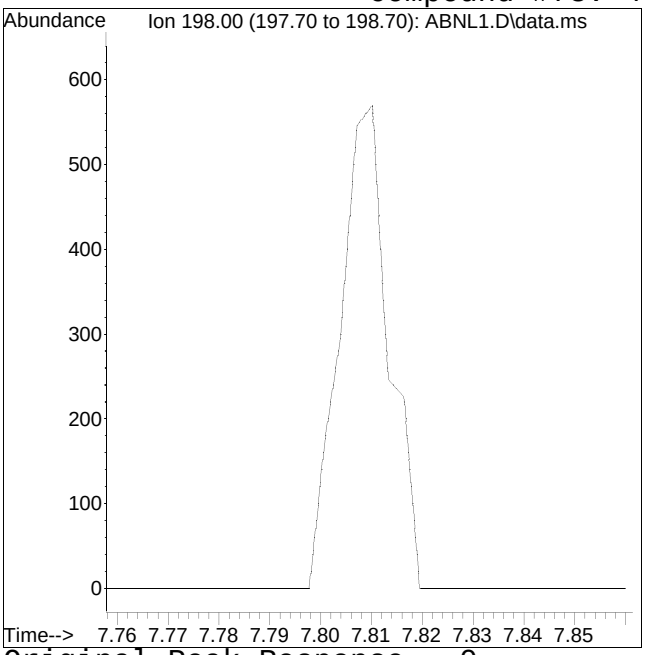
Manual Peak Response = 378 M2

M2 = Peak not found by automatic integration algorithm.

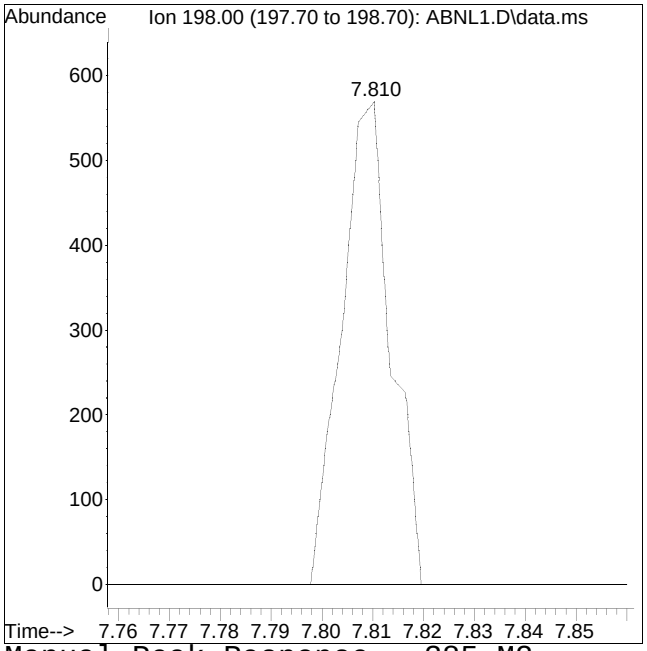
Manual Integration Report

Data Path : I:\8270\Dakota\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 #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

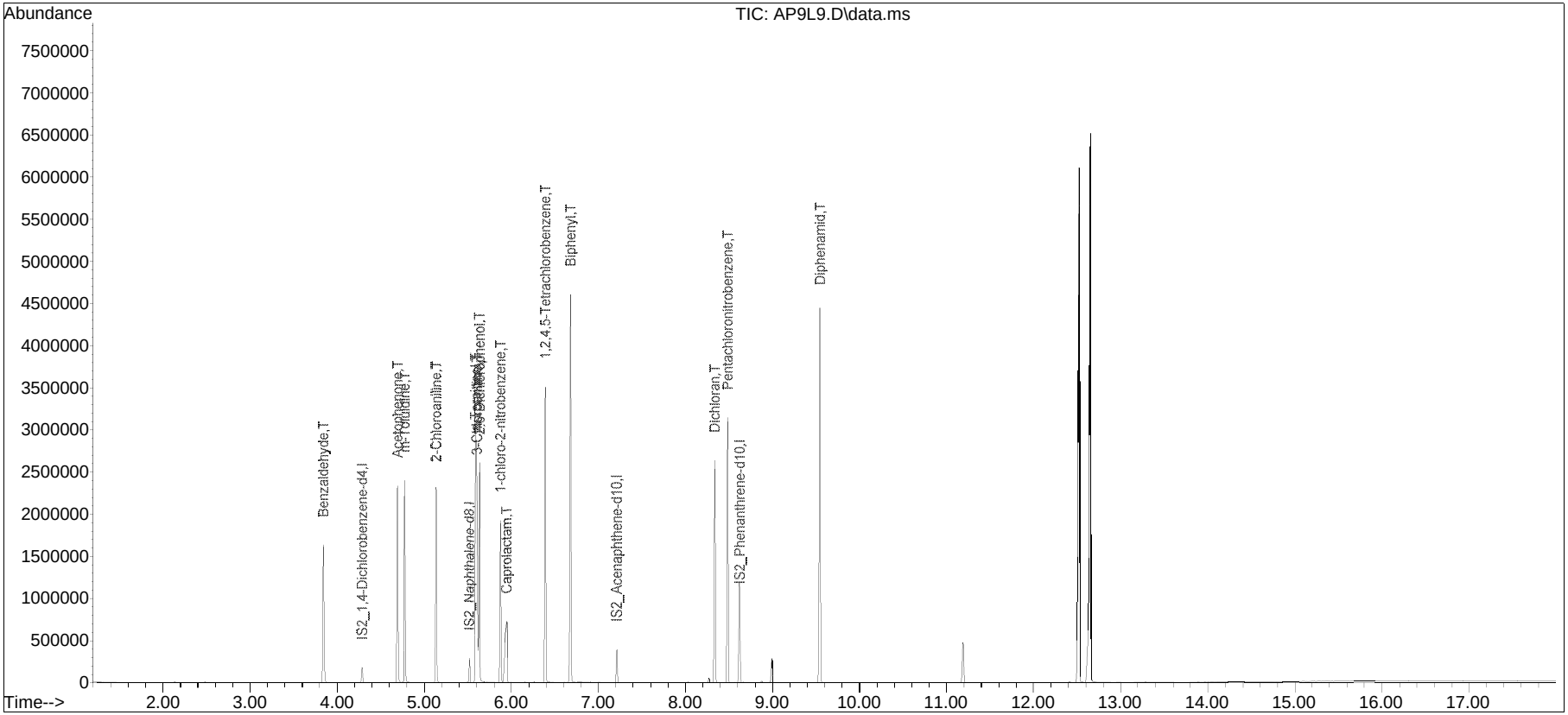
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

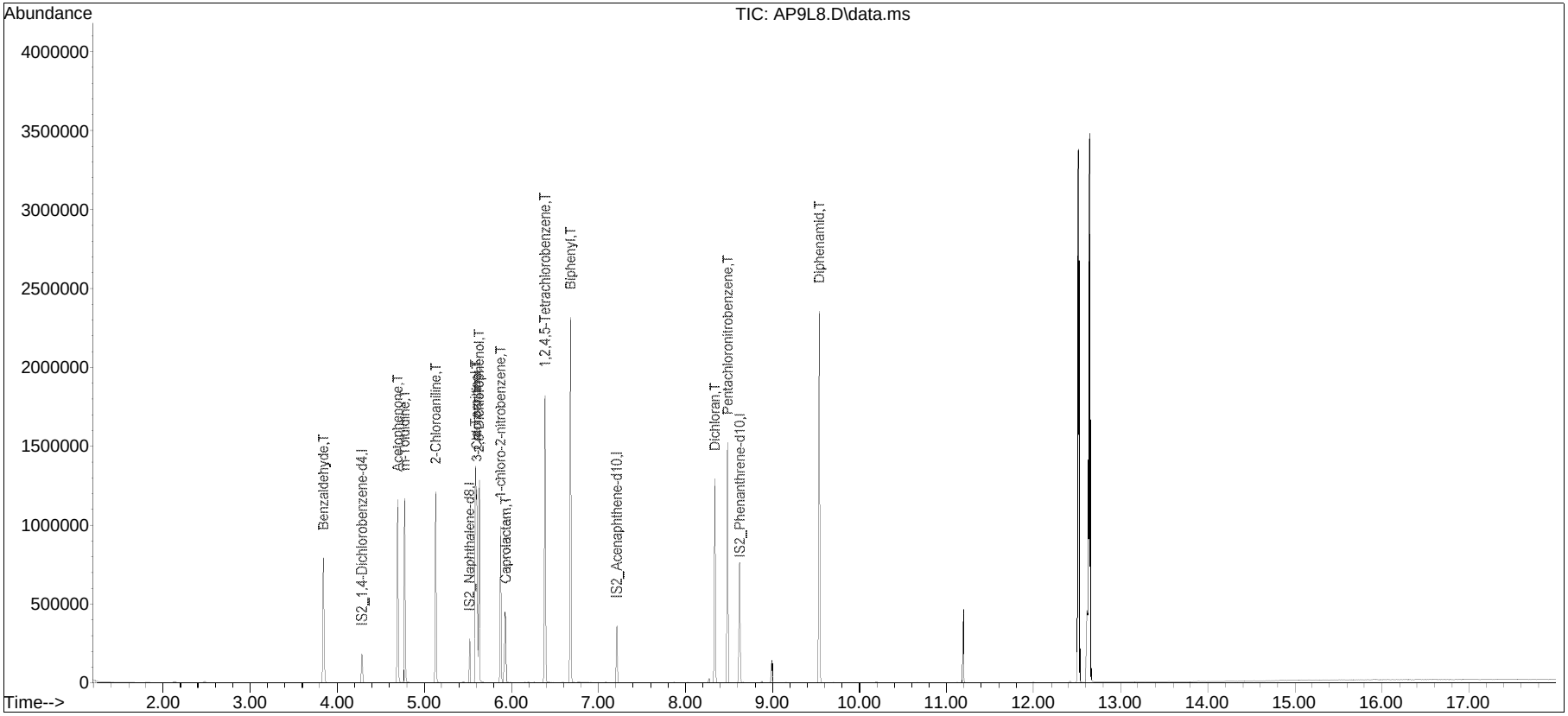
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

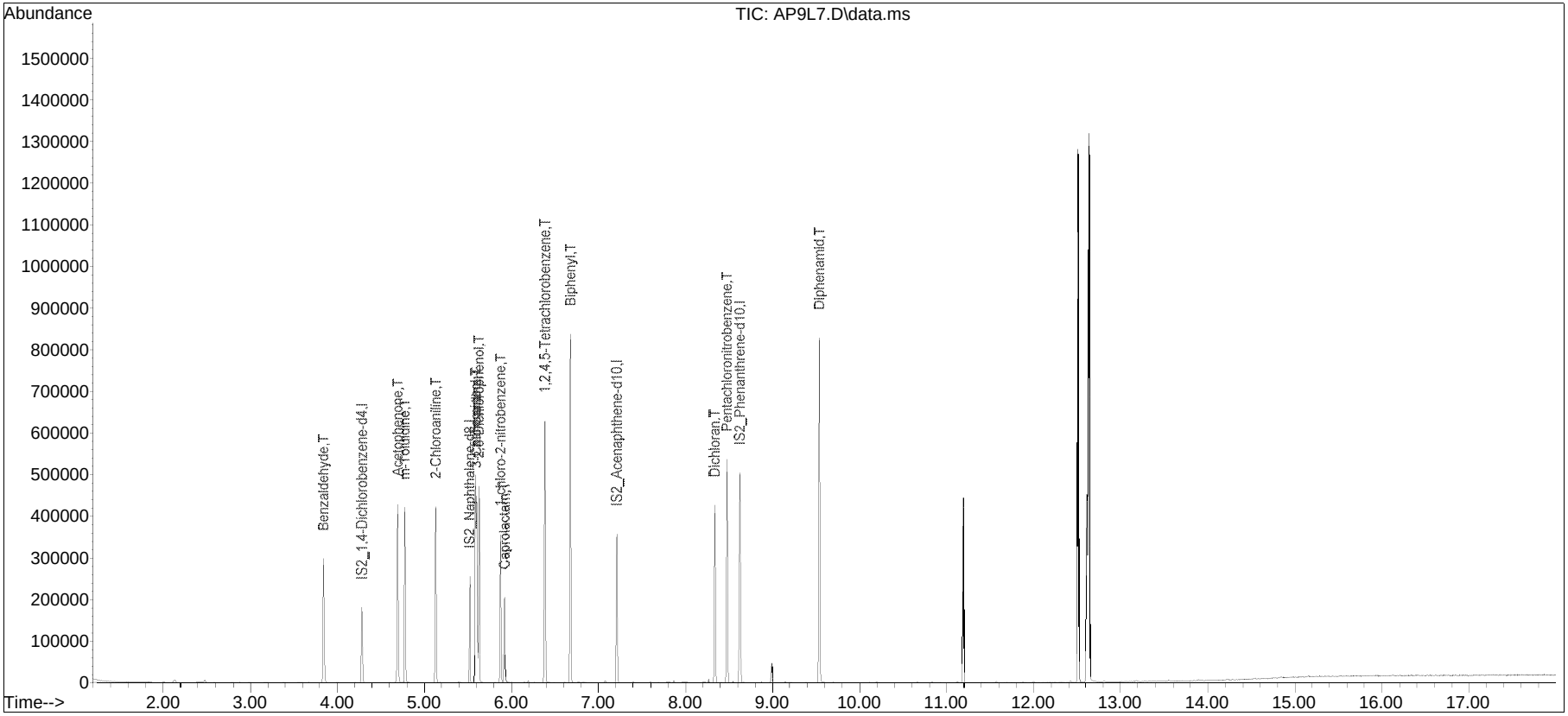
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

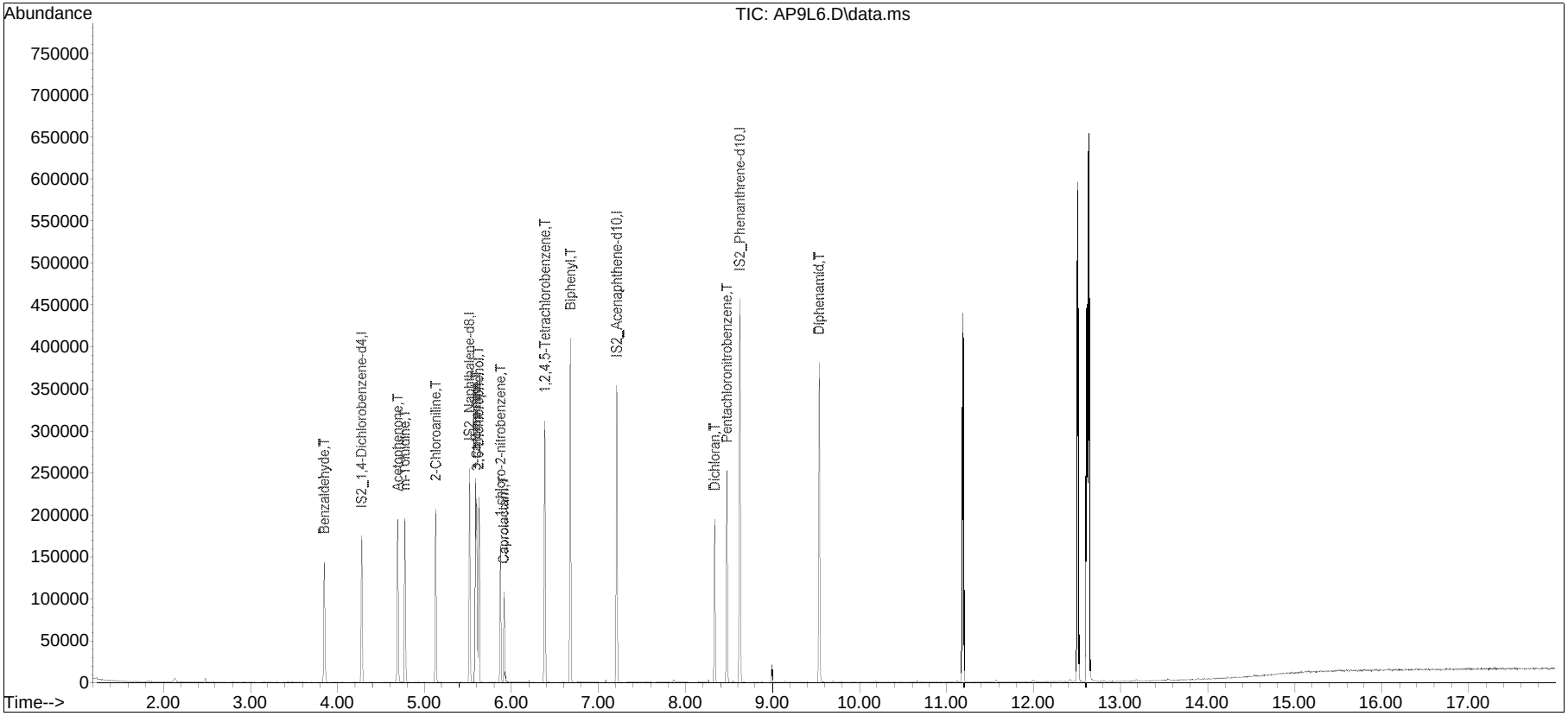
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

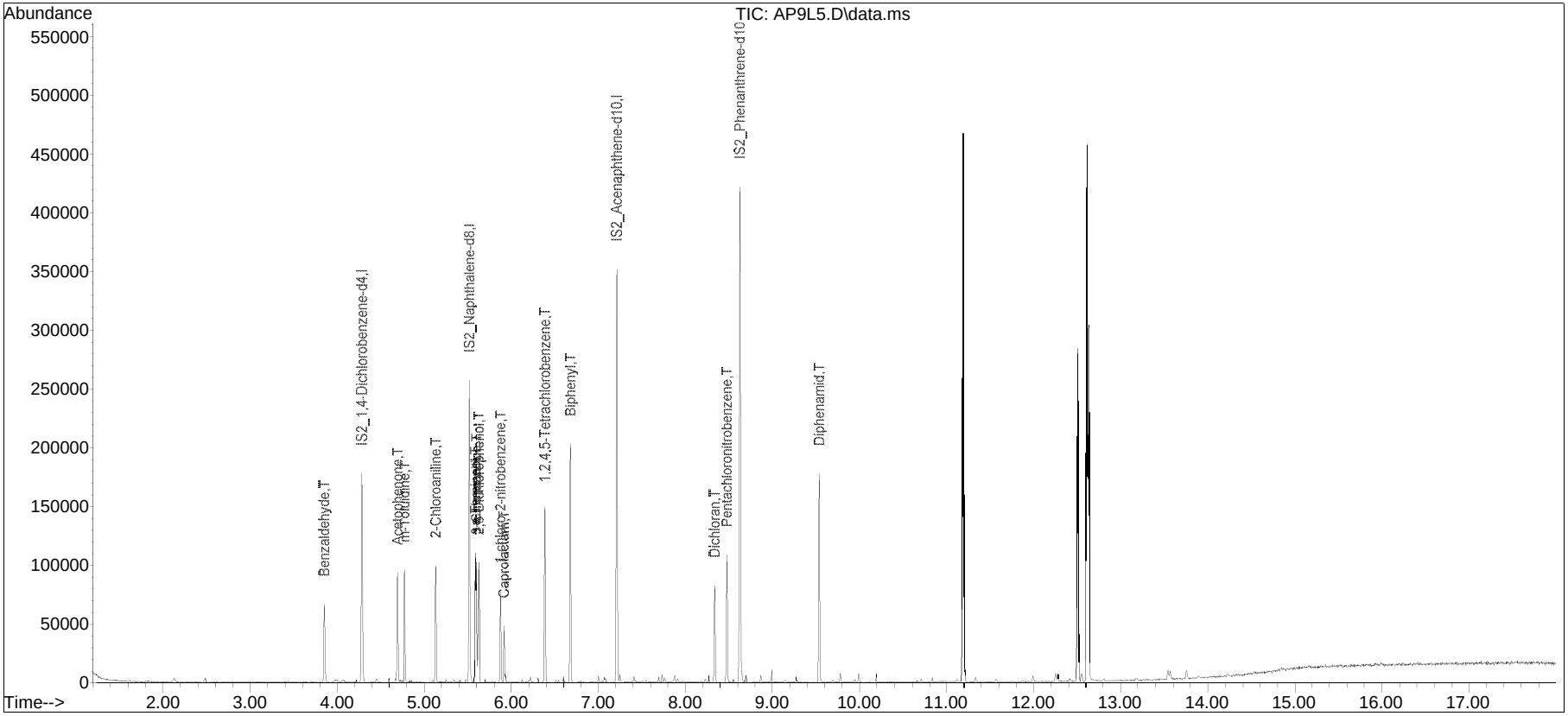
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

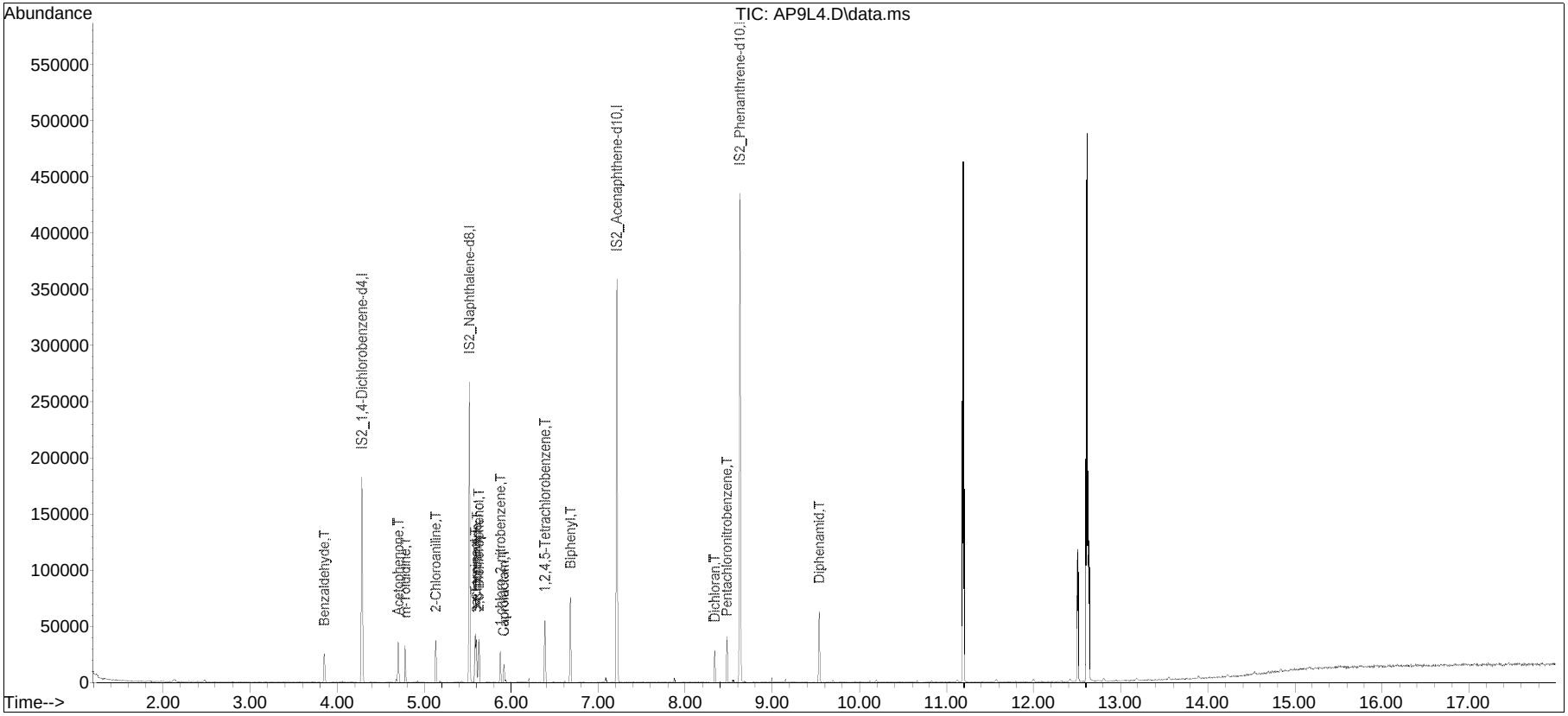
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

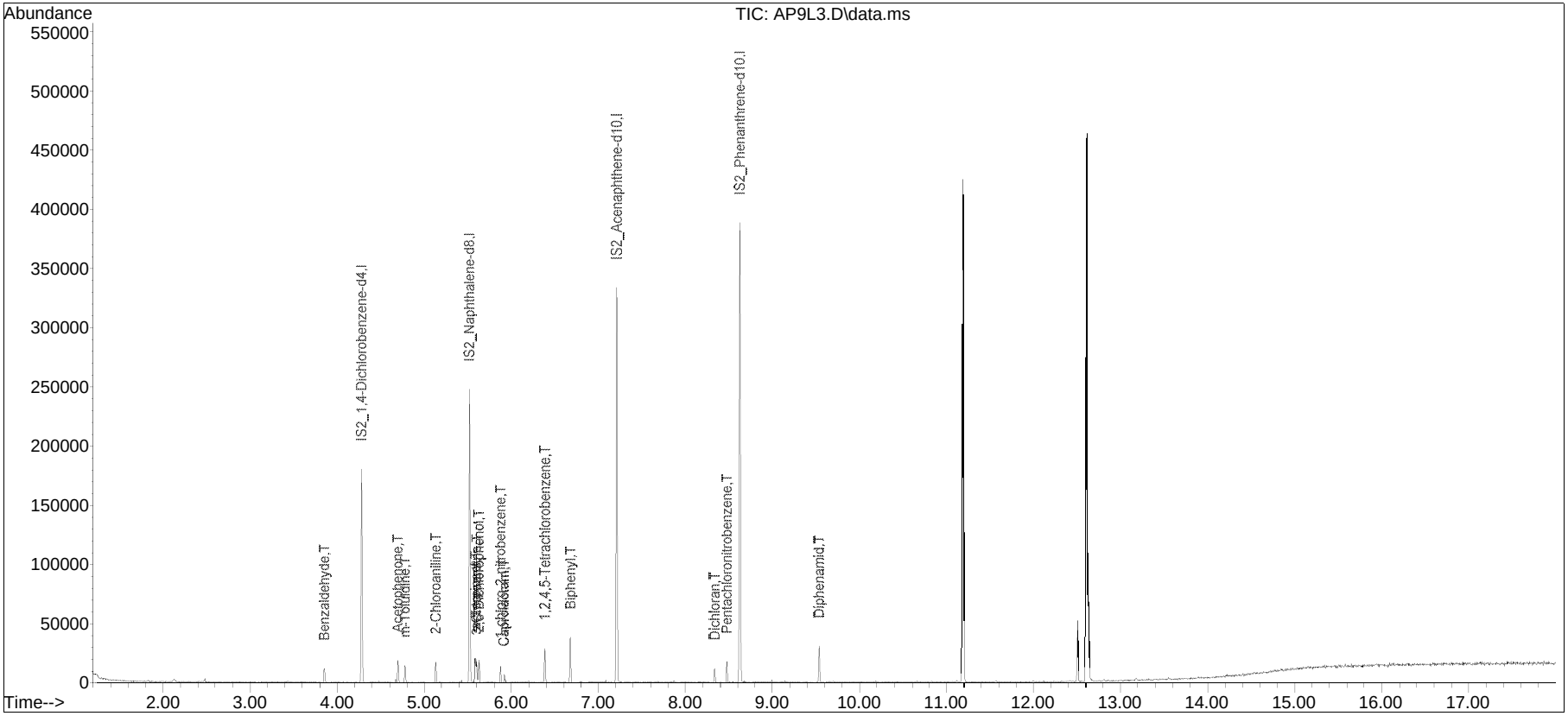
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

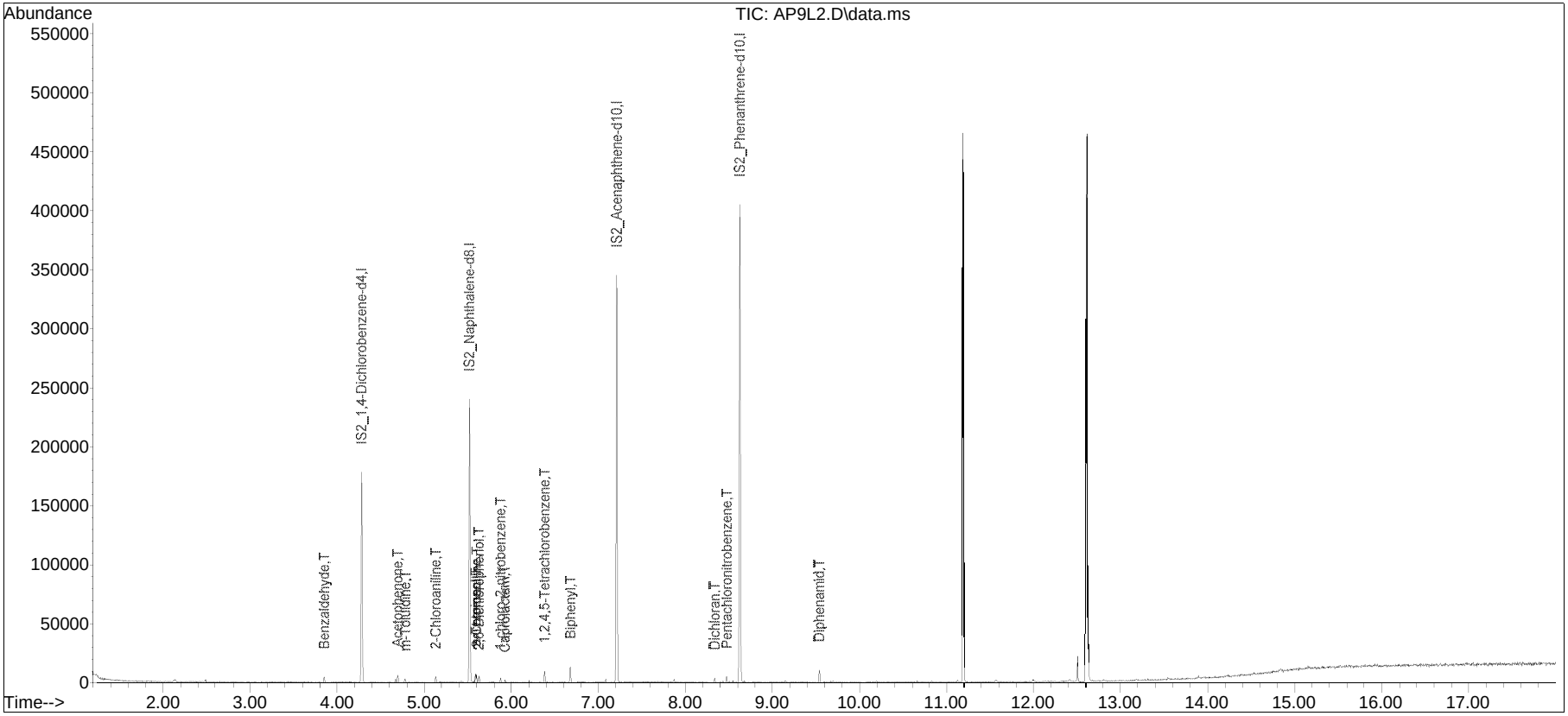
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

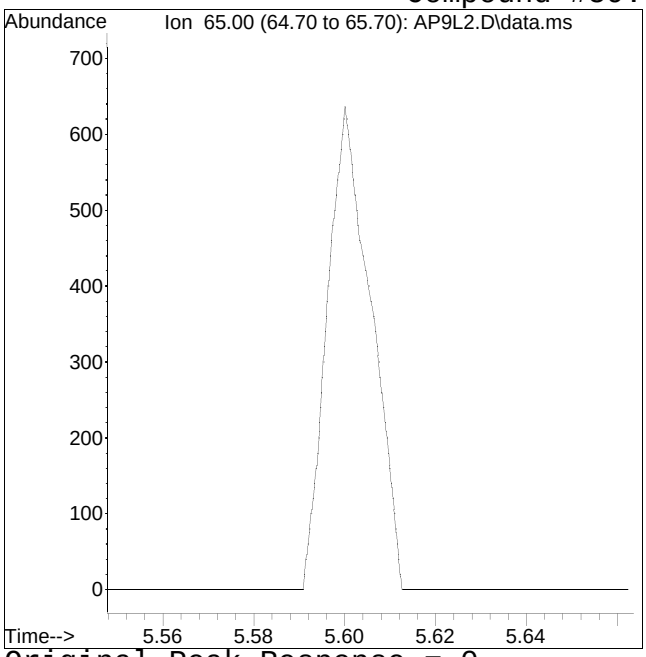
Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



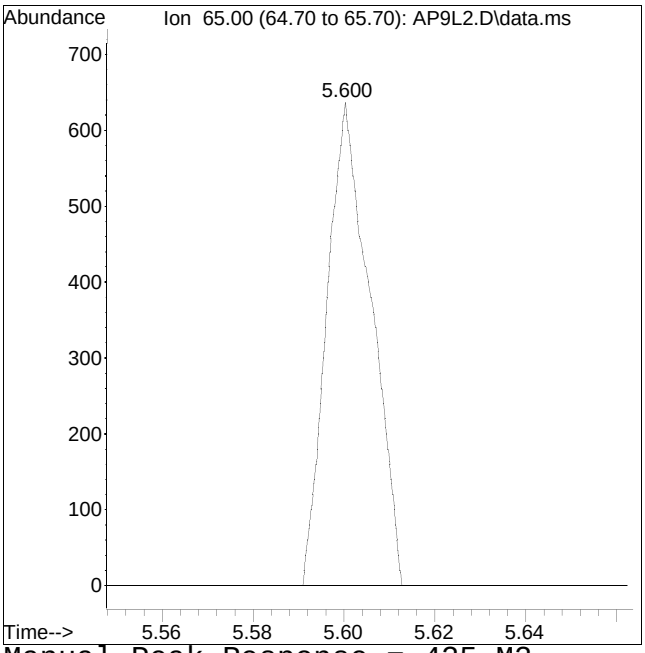
Manual Integration Report

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



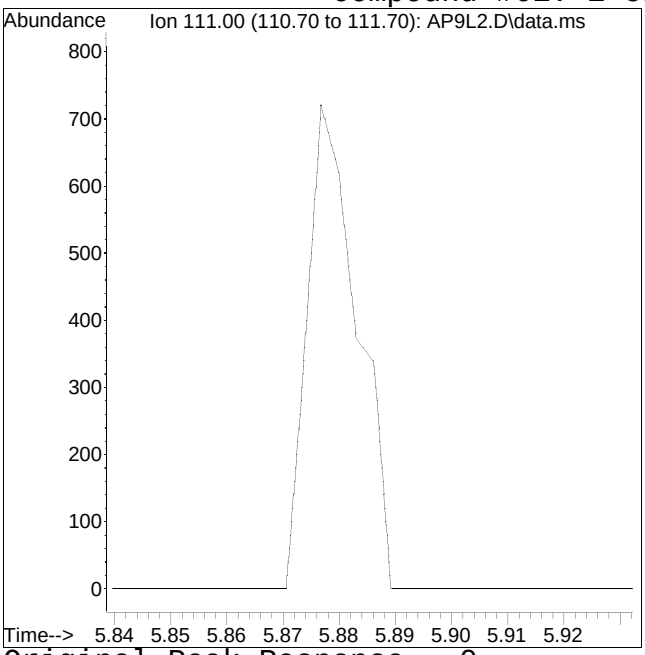
Manual Peak Response = 425 M2

M2 = Peak not found by automatic integration algorithm.

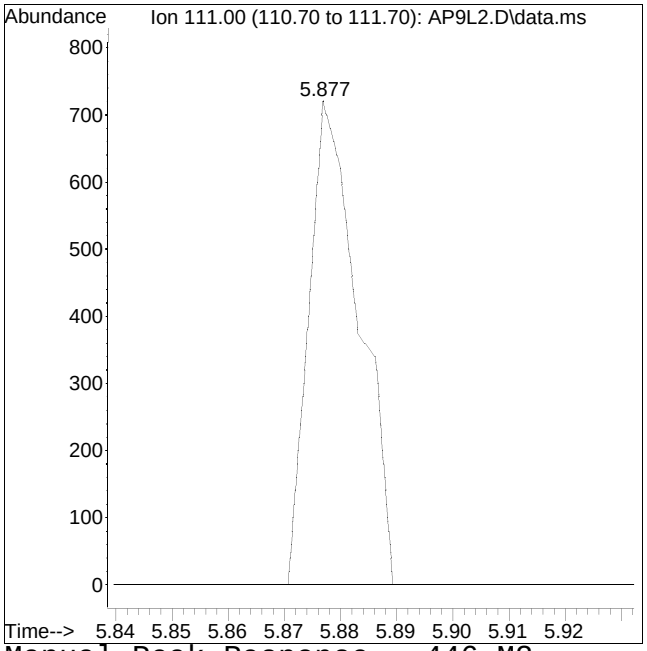
Manual Integration Report

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



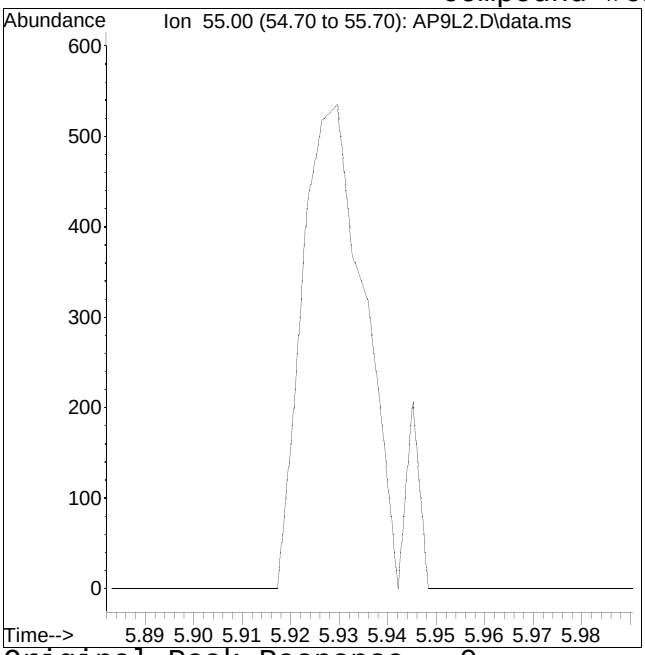
Manual Peak Response = 446 M2

M2 = Peak not found by automatic integration algorithm.

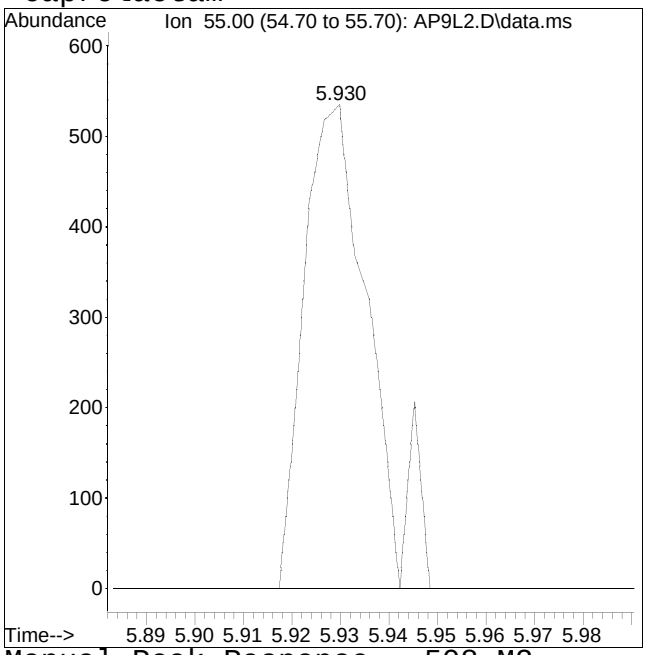
Manual Integration Report

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



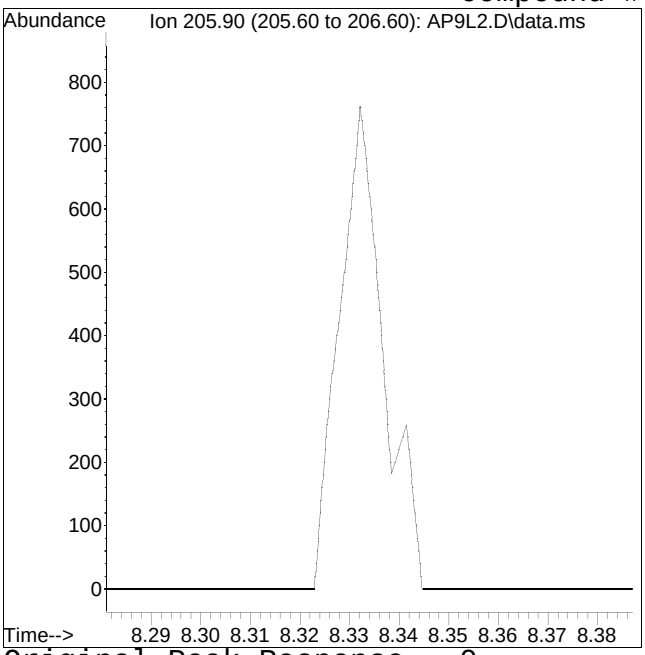
Manual Peak Response = 508 M2

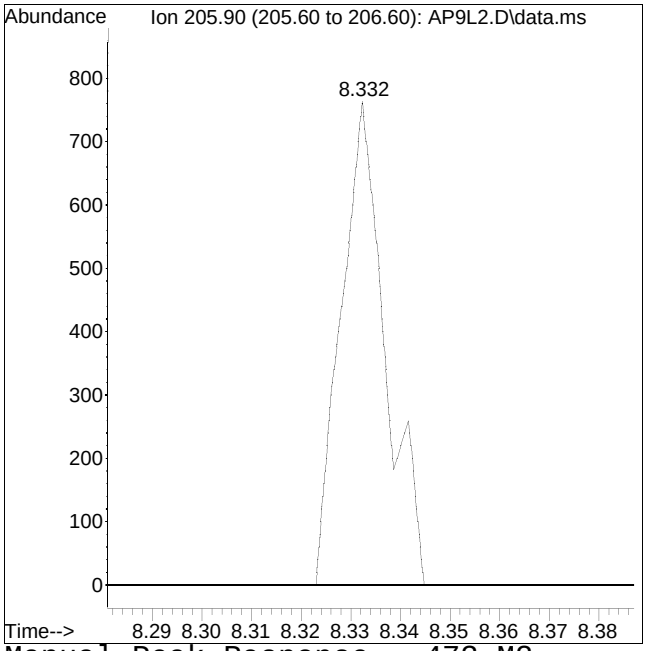
M2 = Peak not found by automatic integration algorithm.

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



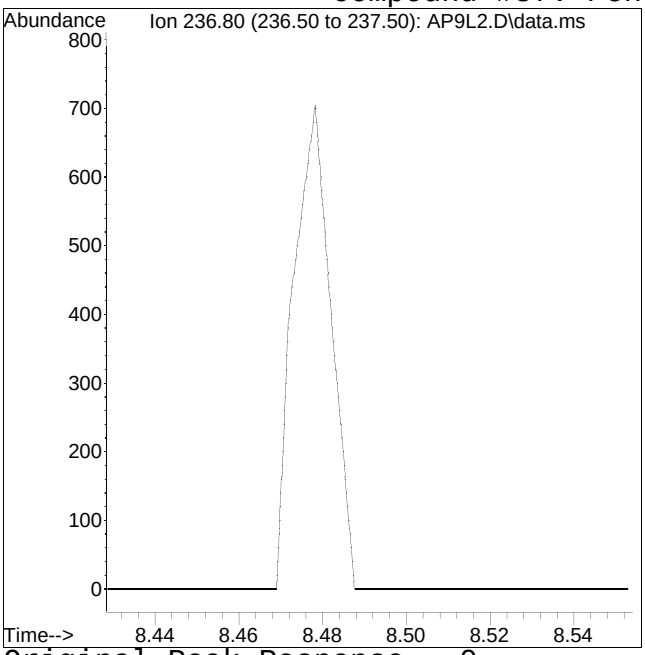


Original Peak Response = 0
Manual Peak Response = 473 M2
M2 = Peak not found by automatic integration algorithm.

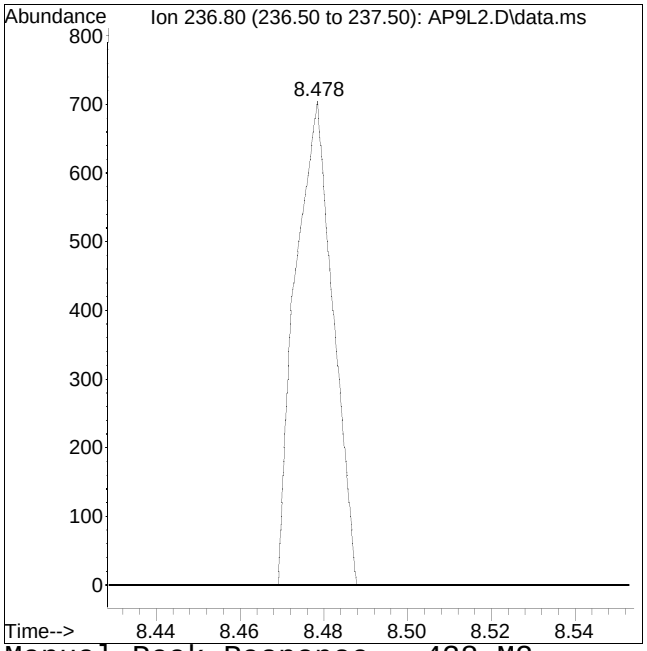
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : AP9L2.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 11:13 pm Instrument : Dakota
Sample : IL9,32,,AP9L0.2 Lot# 11127Quant 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

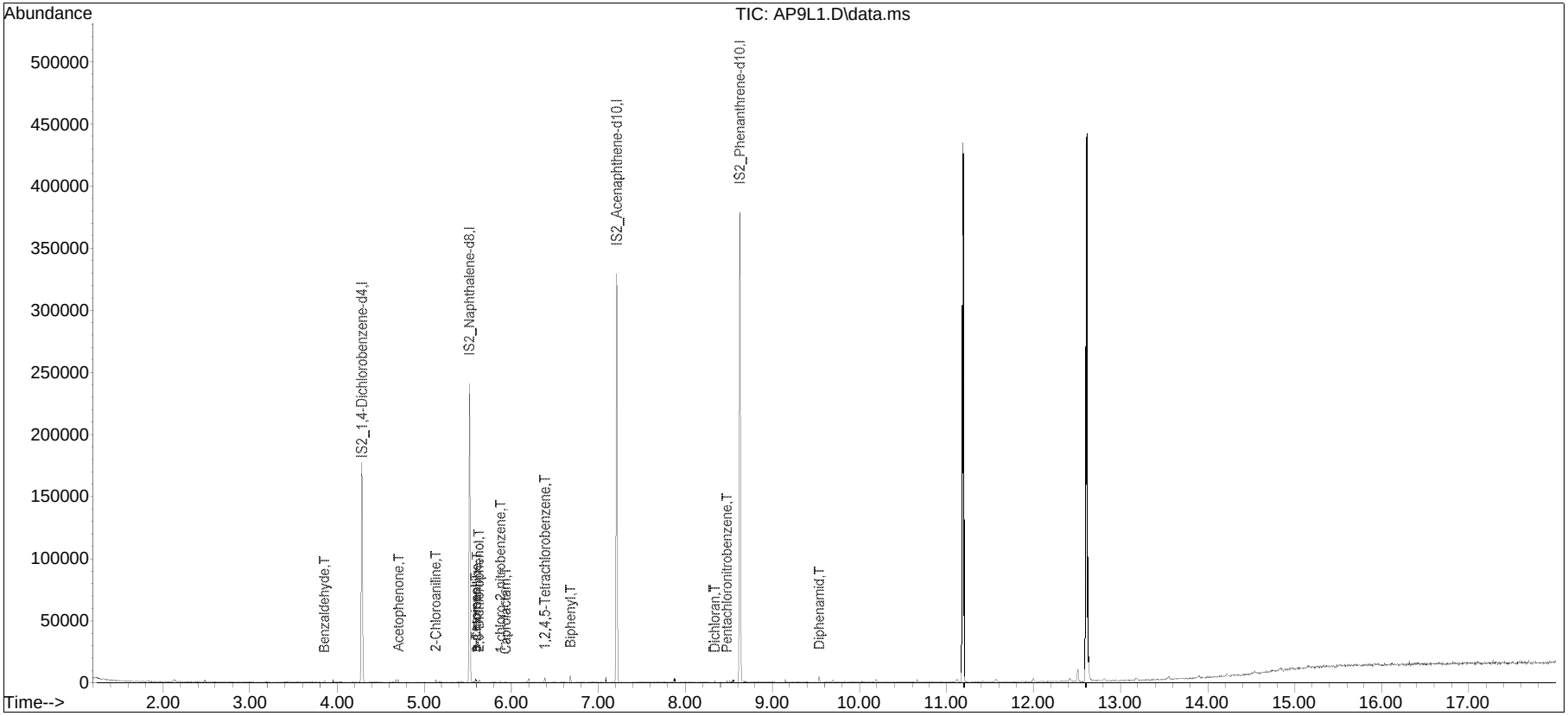
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

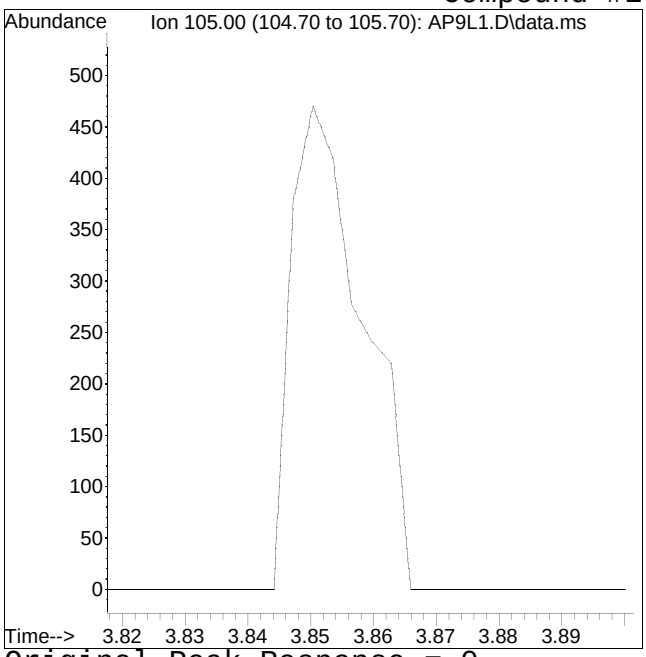
Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



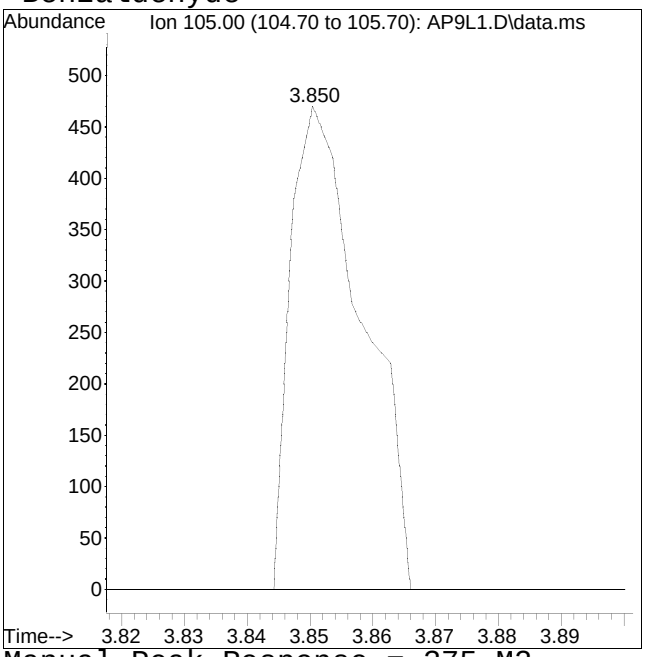
Manual Integration Report

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



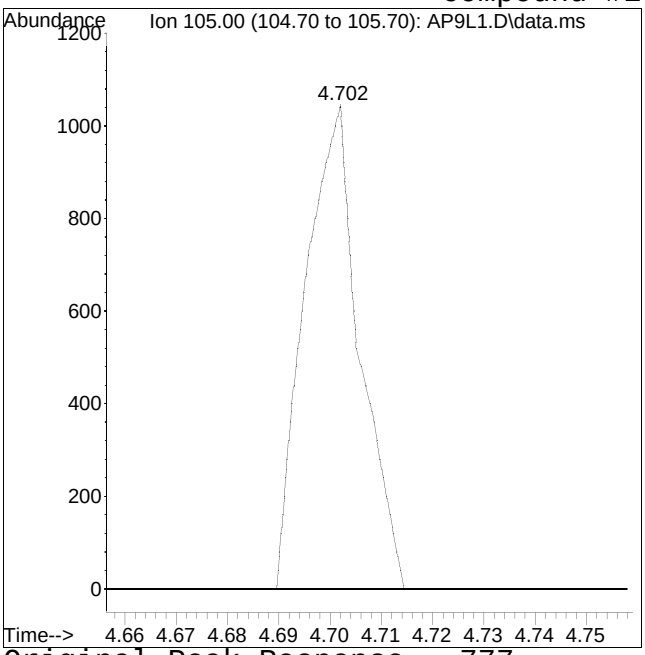
Manual Peak Response = 375 M2

M2 = Peak not found by automatic integration algorithm.

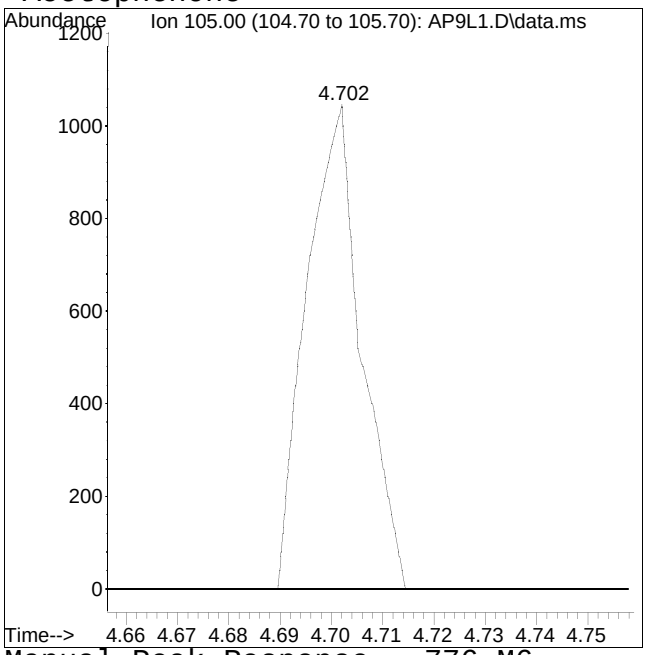
Manual Integration Report

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



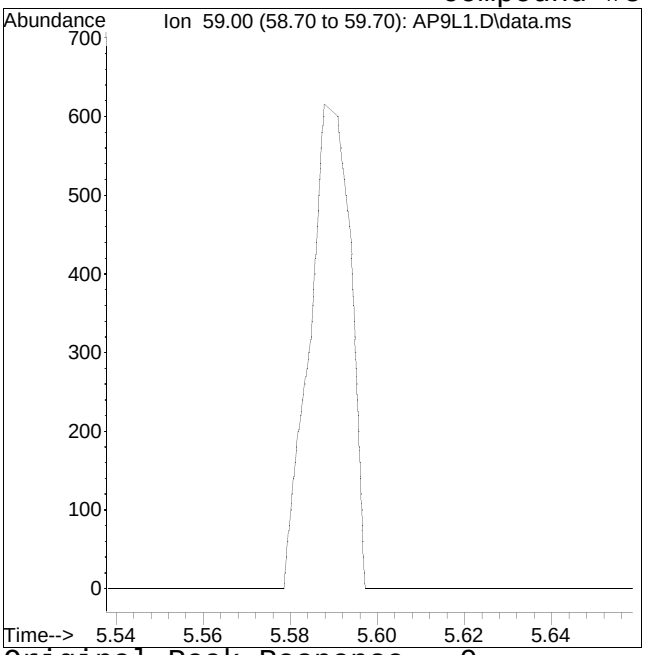
Manual Peak Response = 776 M6

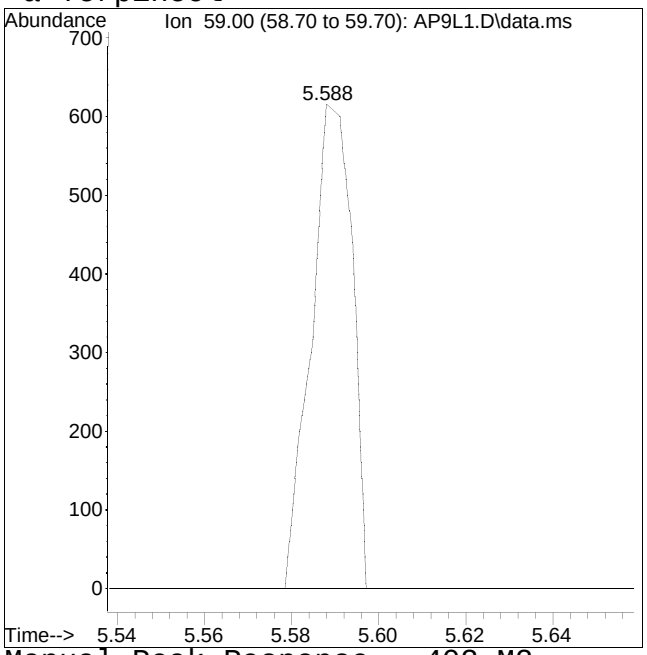
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

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



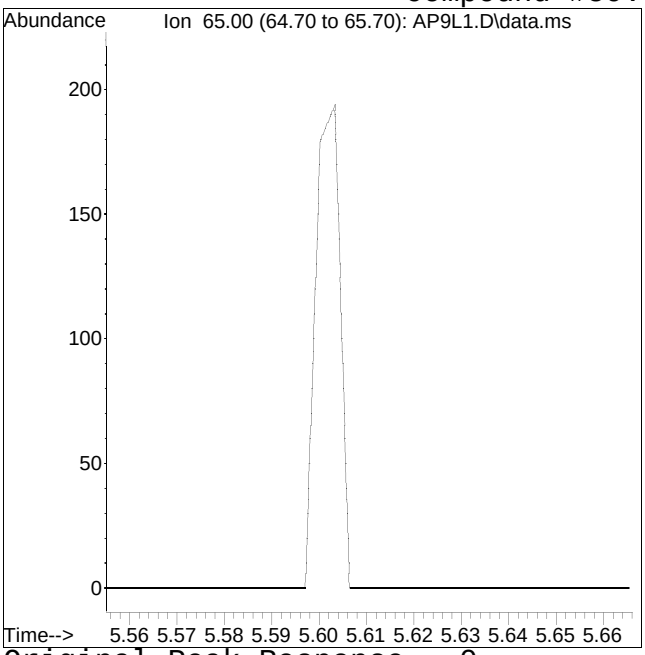


Original Peak Response = 0
Manual Peak Response = 402 M2
M2 = Peak not found by automatic integration algorithm.

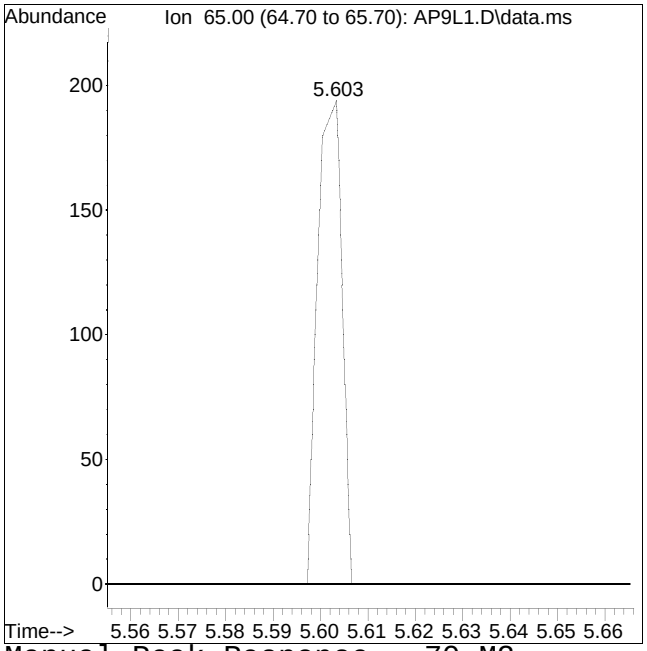
Manual Integration Report

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



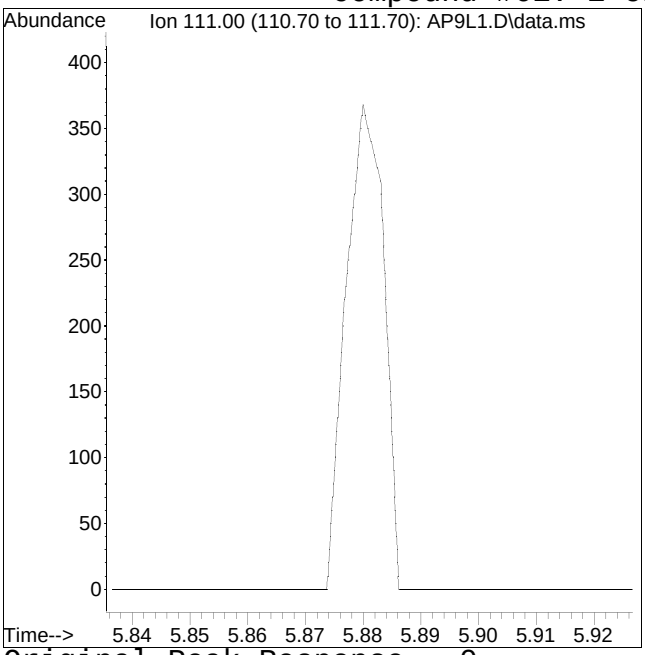
Manual Peak Response = 70 M2

M2 = Peak not found by automatic integration algorithm.

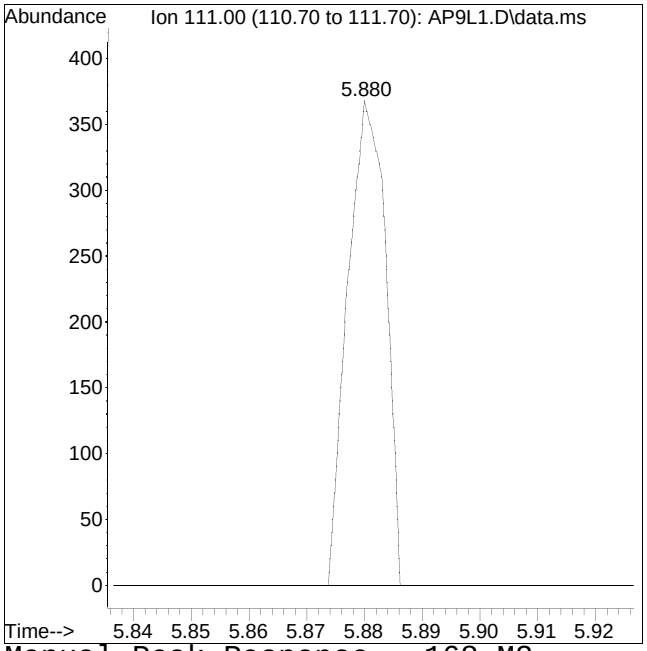
Manual Integration Report

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



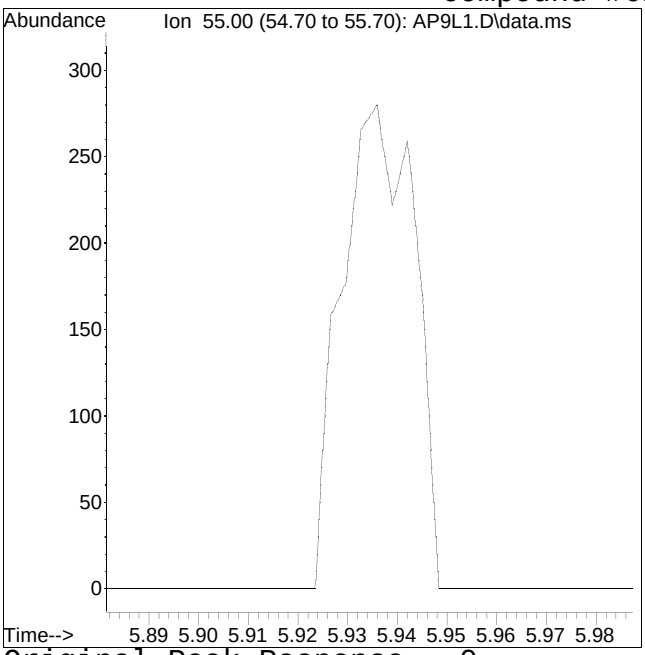
Manual Peak Response = 168 M2

M2 = Peak not found by automatic integration algorithm.

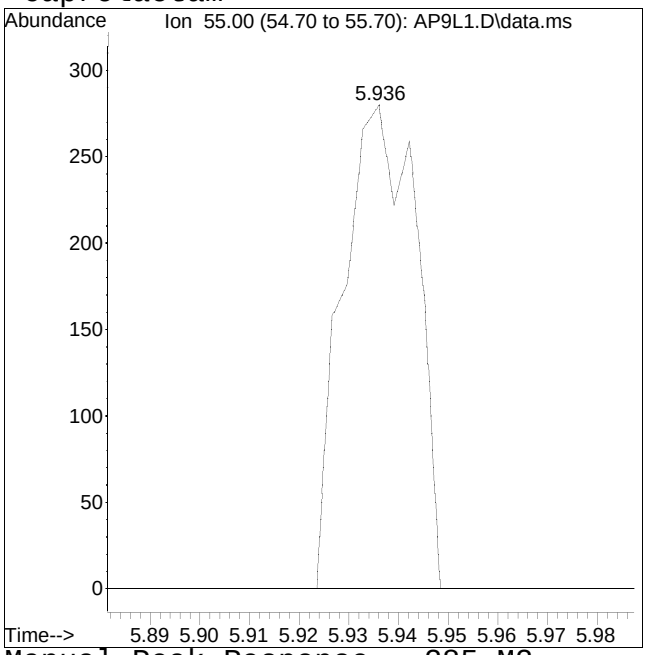
Manual Integration Report

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



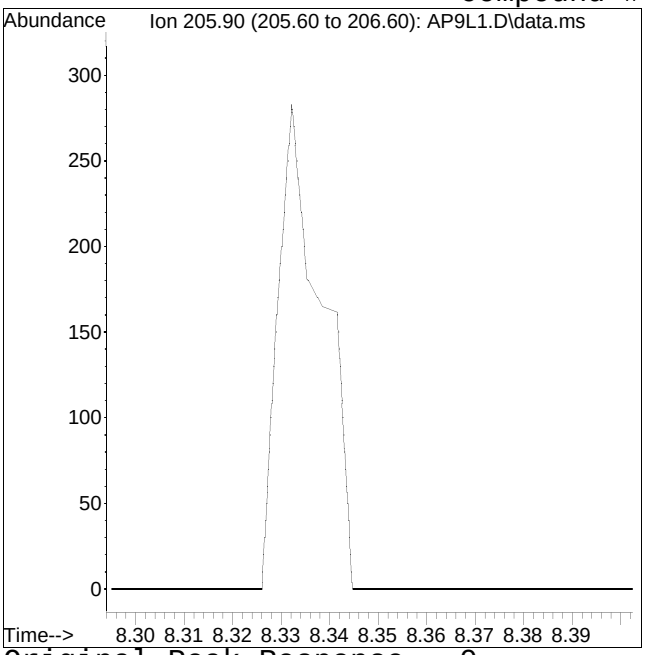
Manual Peak Response = 285 M2

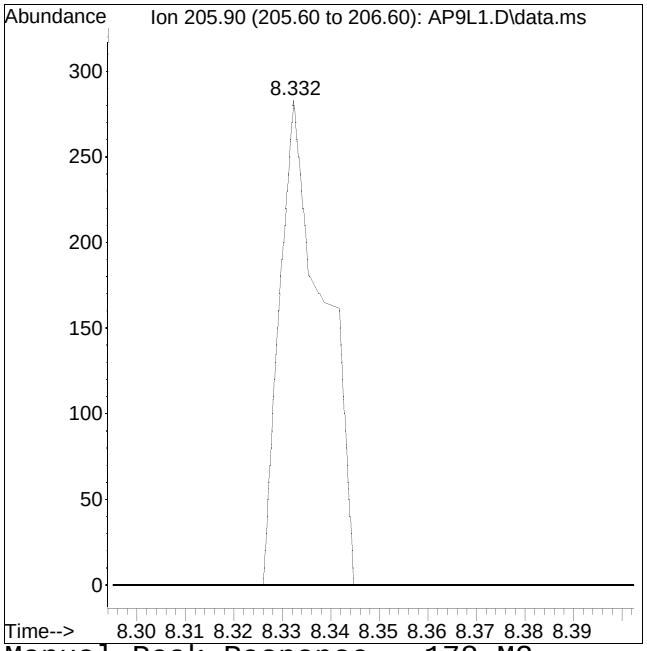
M2 = Peak not found by automatic integration algorithm.

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



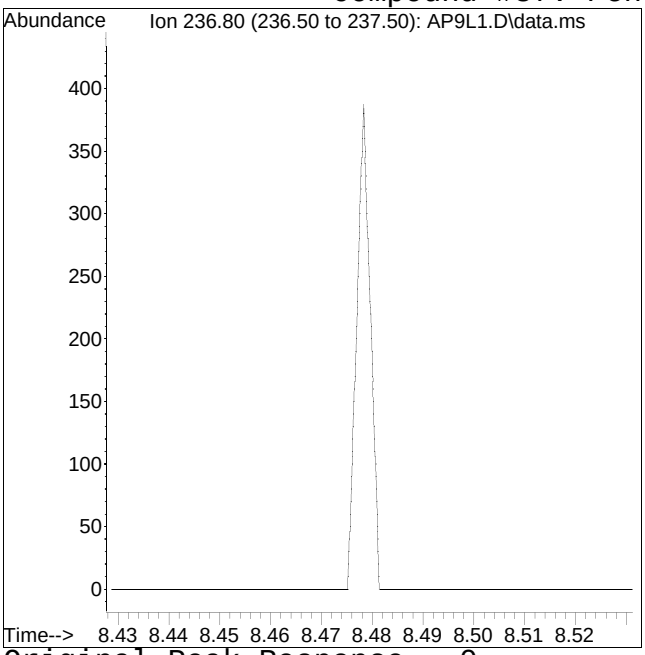


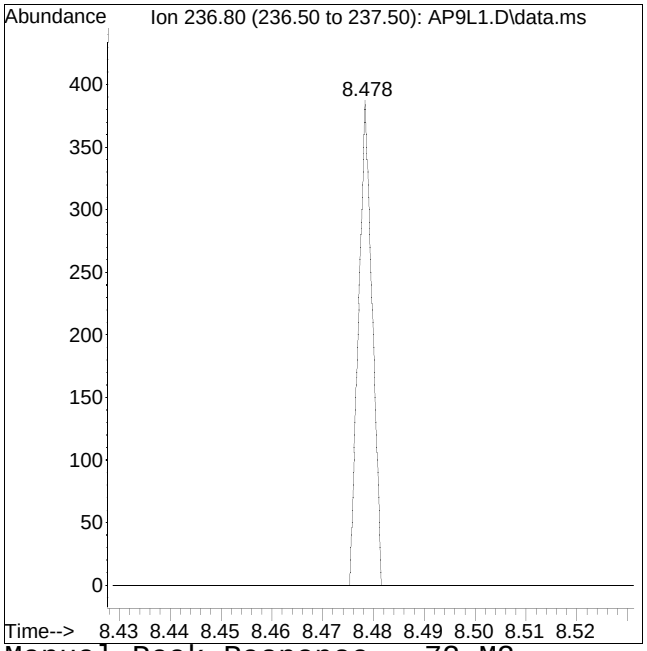
Original Peak Response = 0
Manual Peak Response = 178 M2
M2 = Peak not found by automatic integration algorithm.

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

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)
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

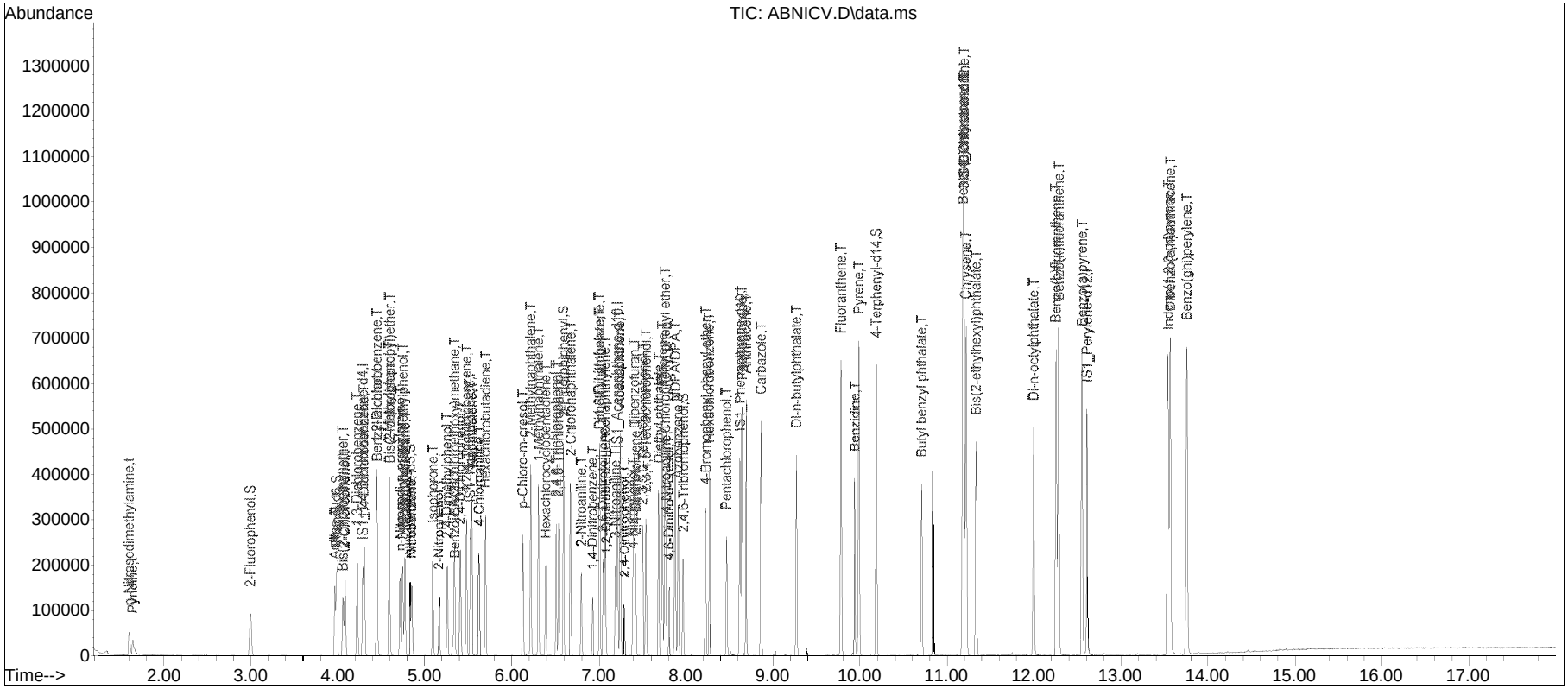
(#) = qualifier out of range (m) = manual integration (+) = signals summed

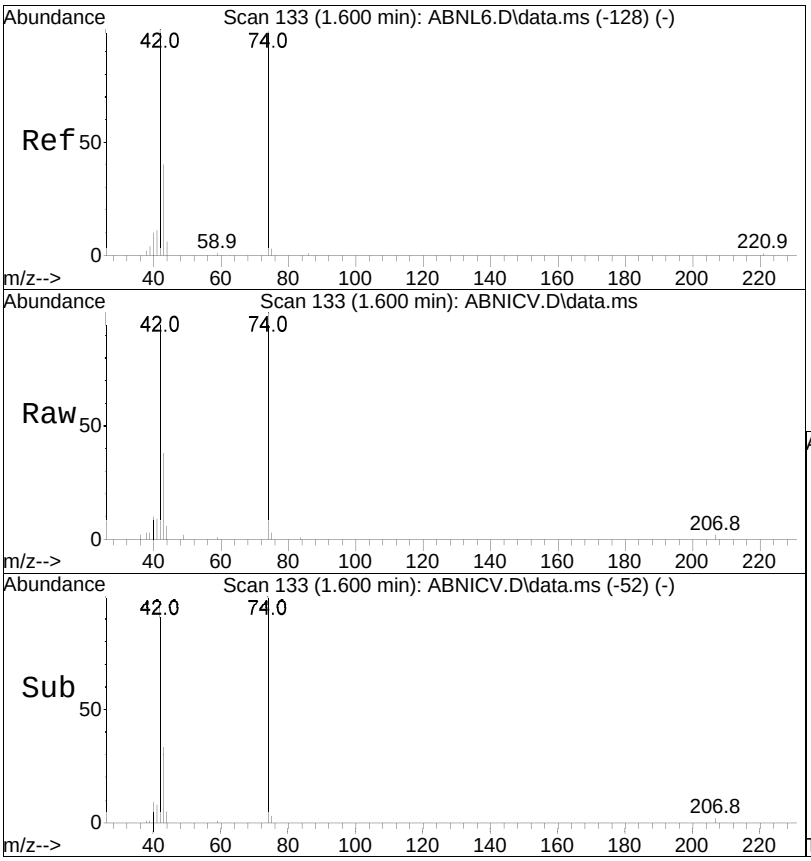
Quantitation Report (QT Reviewed)

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•

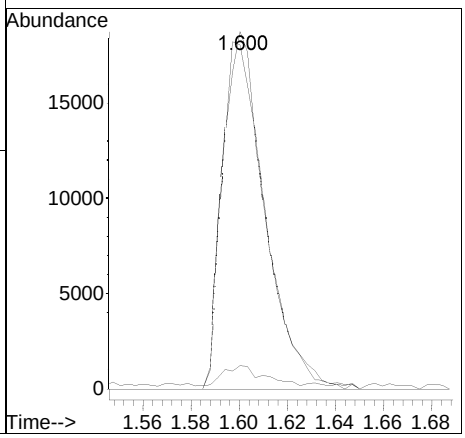


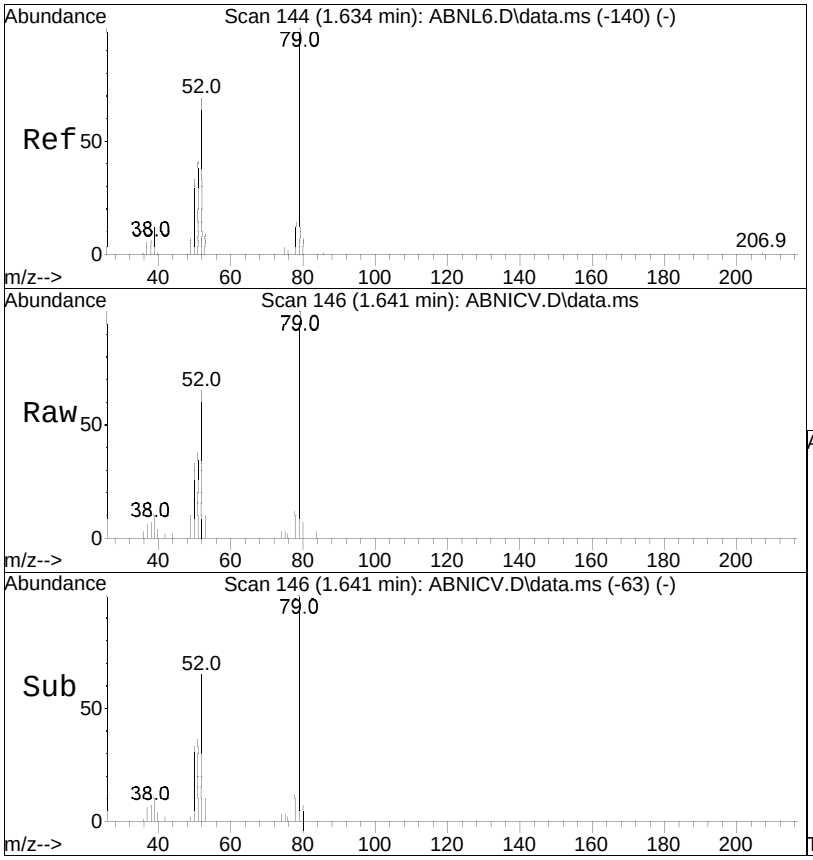


#2
n-Nitrosodimethylamine
Concen: 4.80 ug/ml
RT: 1.600 min Scan# 133
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

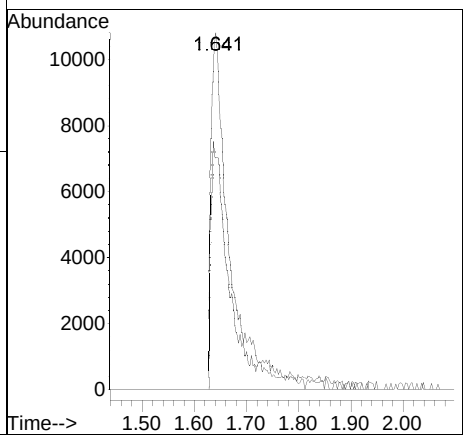


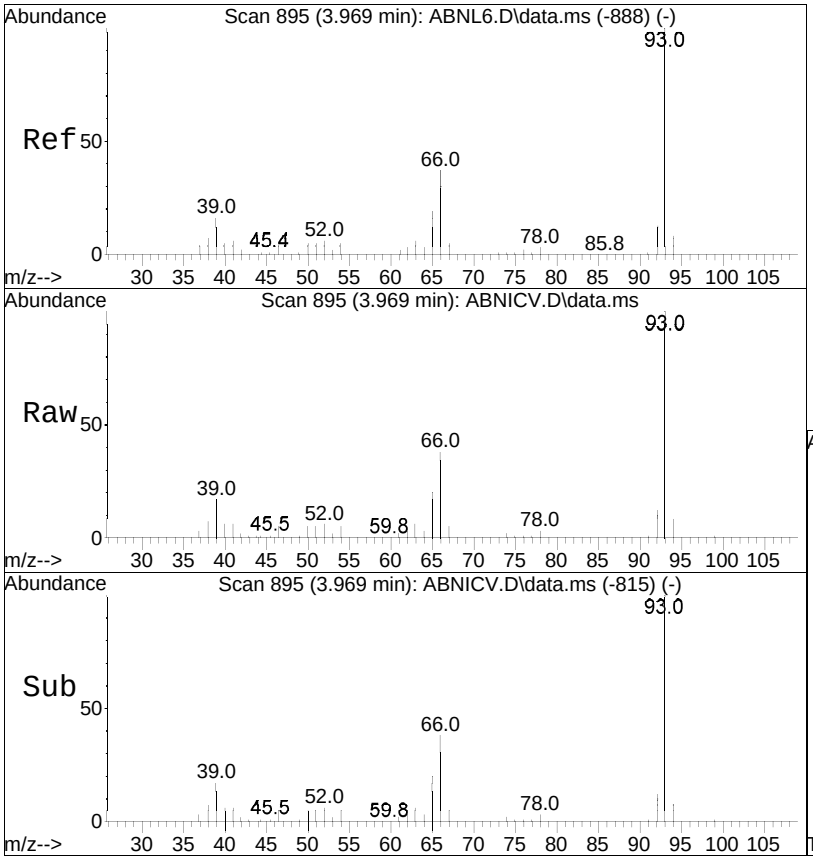


#3
Pyridine
Concen: 3.97 ug/ml M1
RT: 1.641 min Scan# 146
Delta R.T. 0.007 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 79 Resp: 28316

Ion	Ratio	Lower	Upper
79	100		
52	57.6	93.1	139.7#

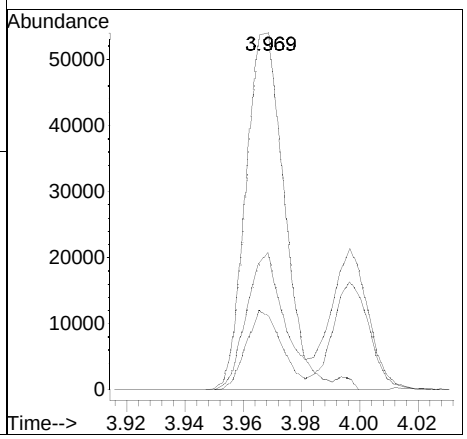


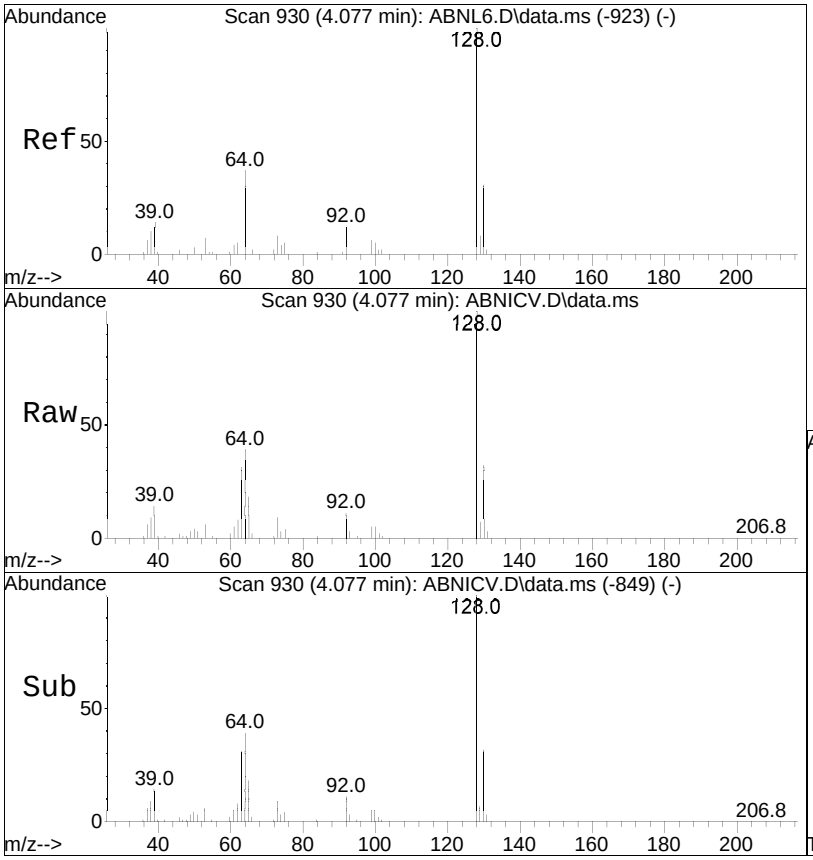


#5
Aniline
Concen: 4.27 ug/ml
RT: 3.969 min Scan# 895
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

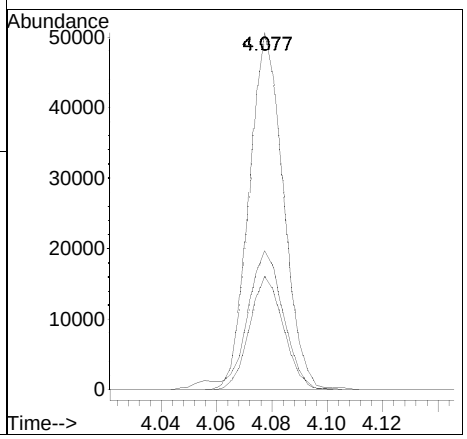


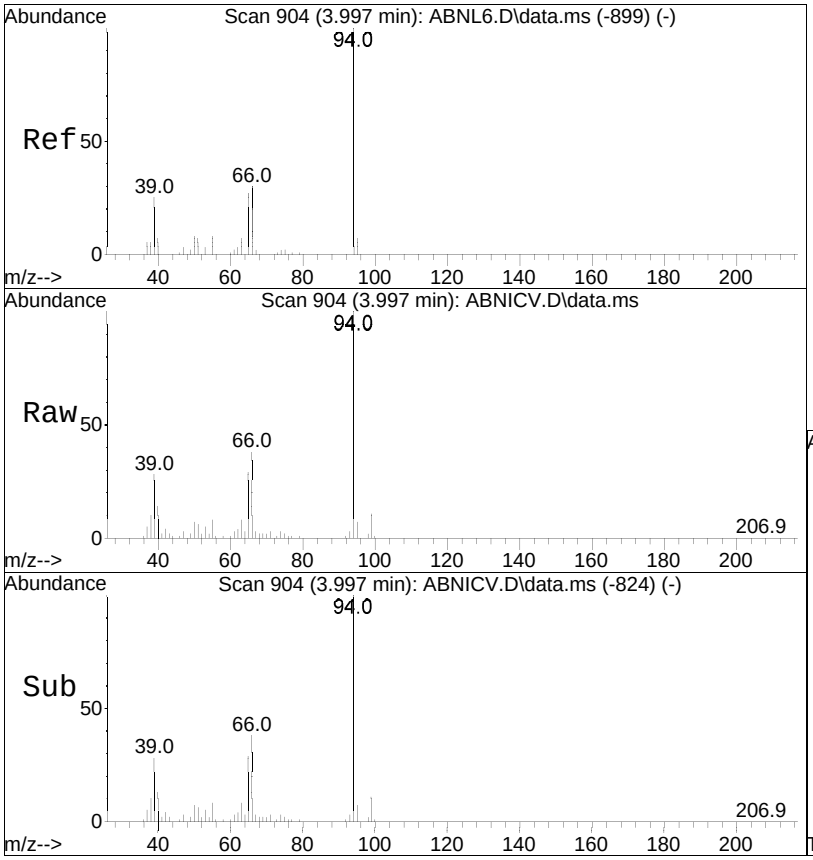


#6
2-Chlorophenol
Concen: 4.73 ug/ml
RT: 4.077 min Scan# 930
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

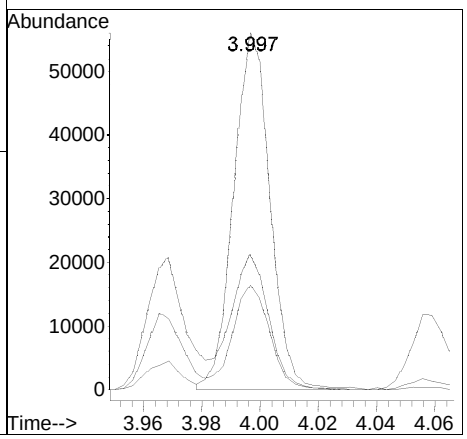


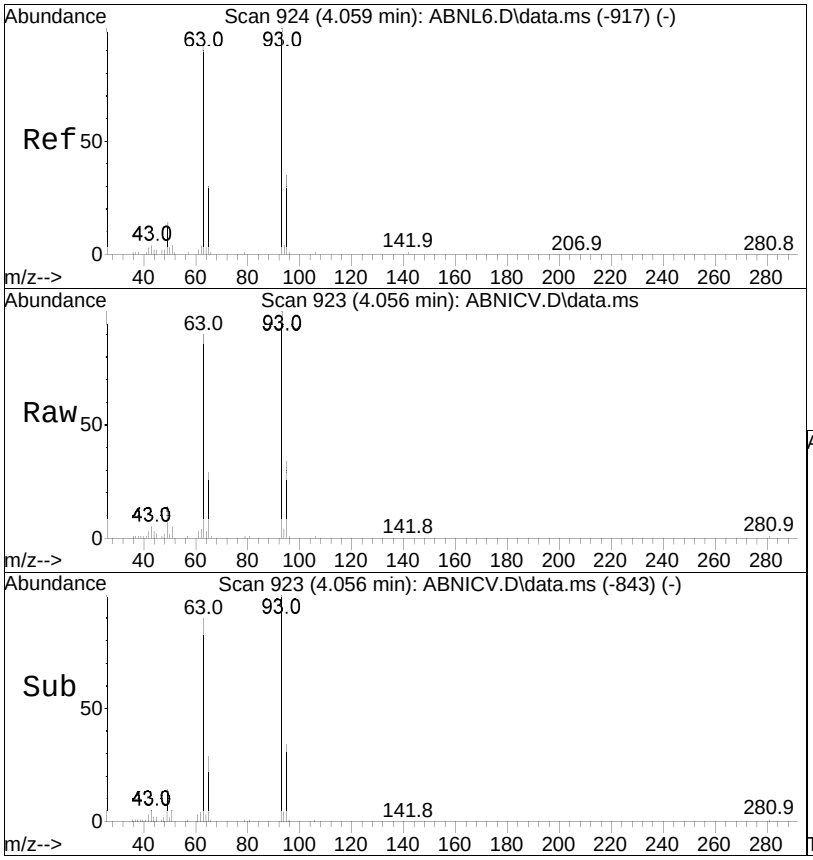


#8
Phenol
Concen: 4.56 ug/ml
RT: 3.997 min Scan# 904
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

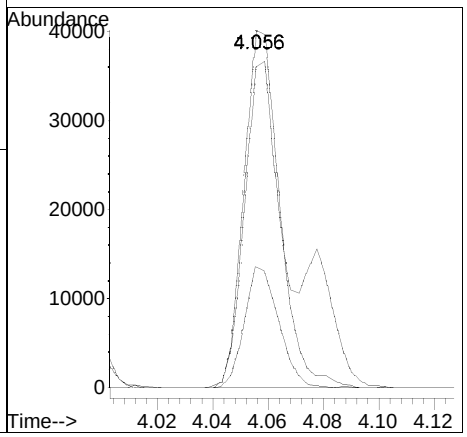


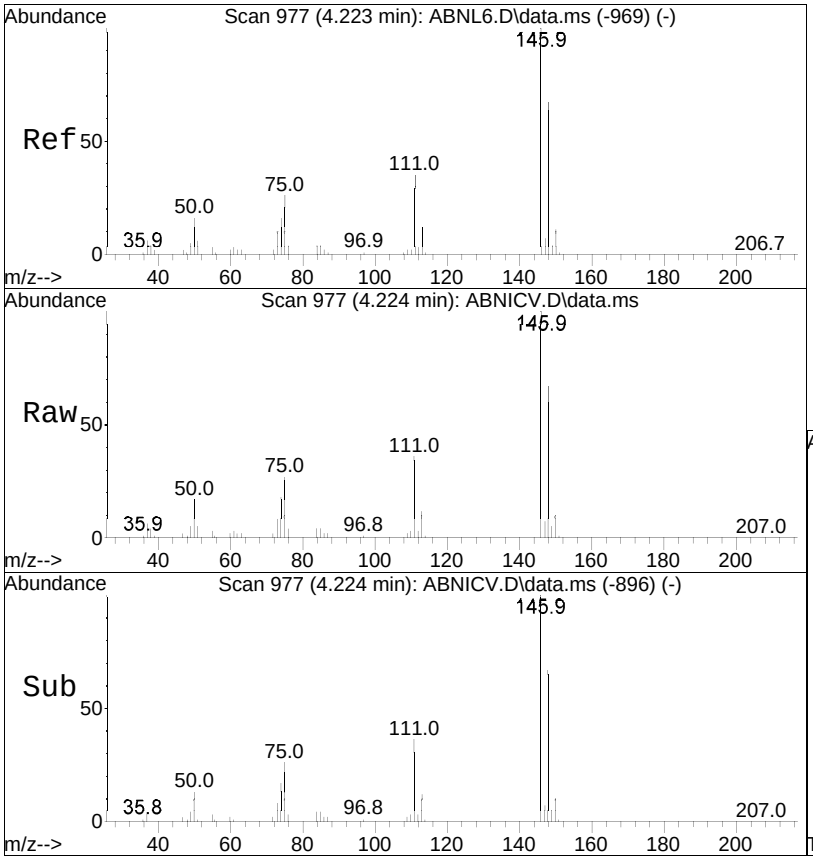


#9
Bis(2-chloroethyl)ether
Concen: 4.73 ug/ml
RT: 4.056 min Scan# 923
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

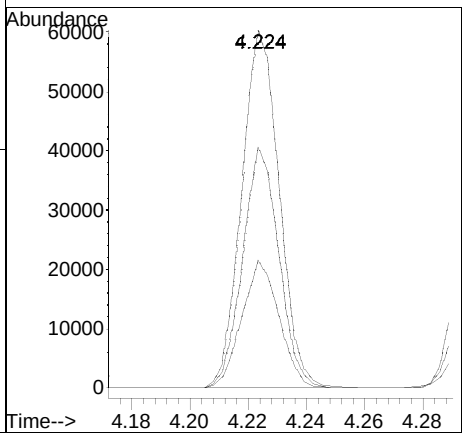


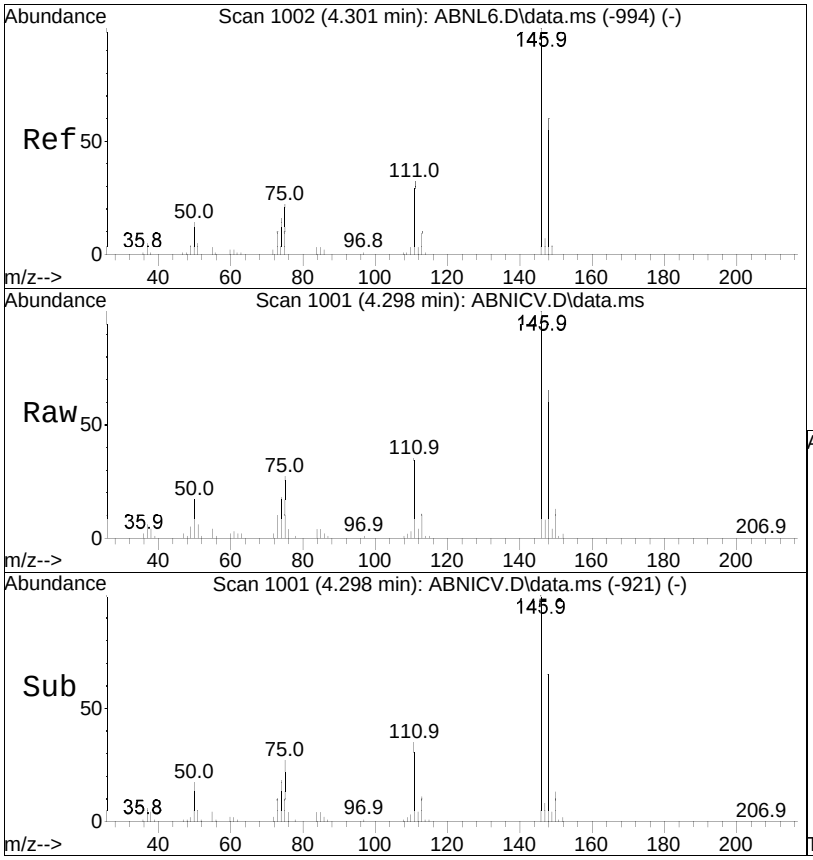


#10
1,3-Dichlorobenzene
Concen: 4.53 ug/ml
RT: 4.224 min Scan# 977
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

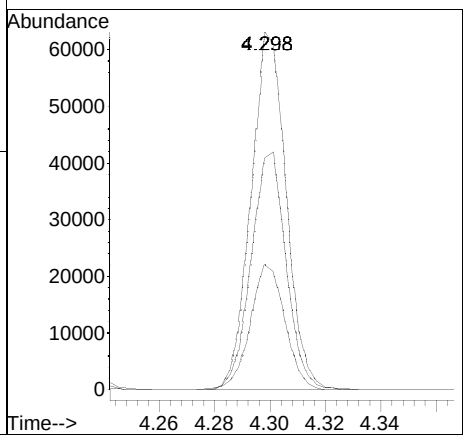


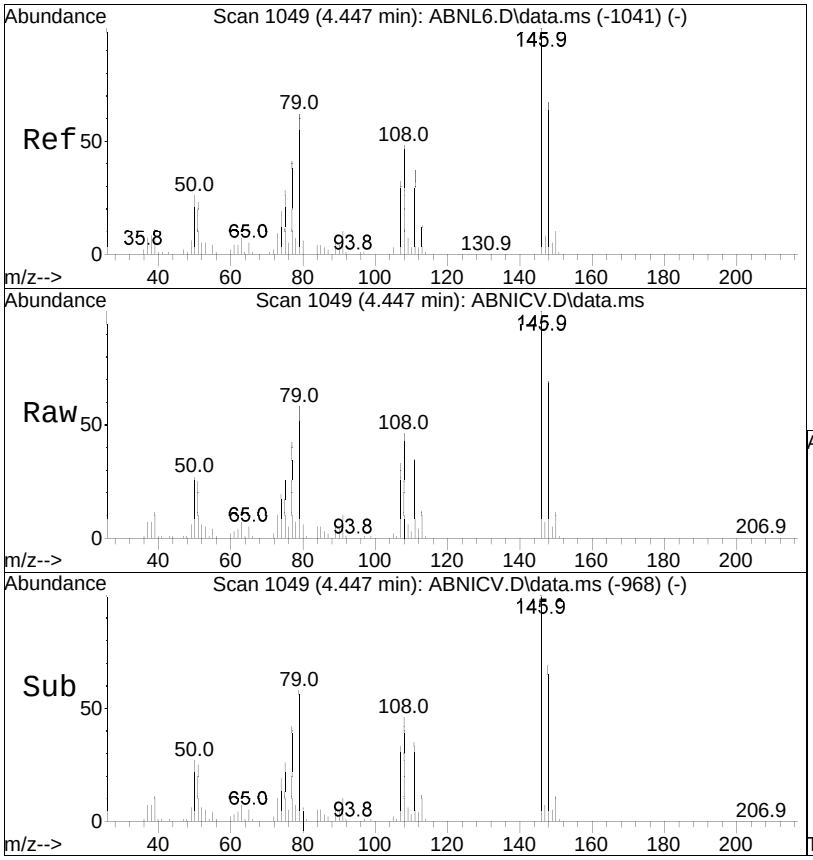


#11
1,4-Dichlorobenzene
Concen: 4.58 ug/ml
RT: 4.298 min Scan# 1001
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

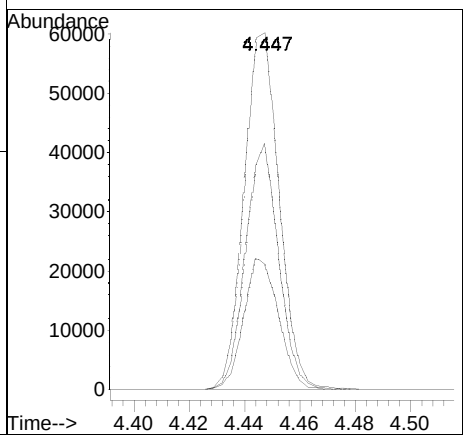


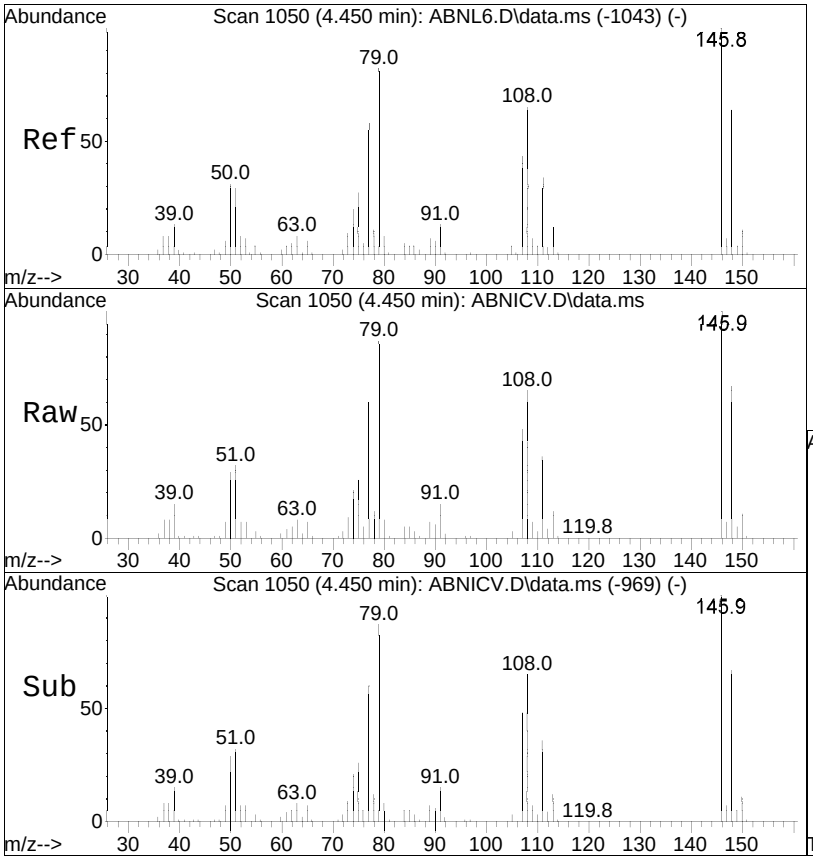


#12
1,2-Dichlorobenzene
Concen: 4.60 ug/ml
RT: 4.447 min Scan# 1049
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

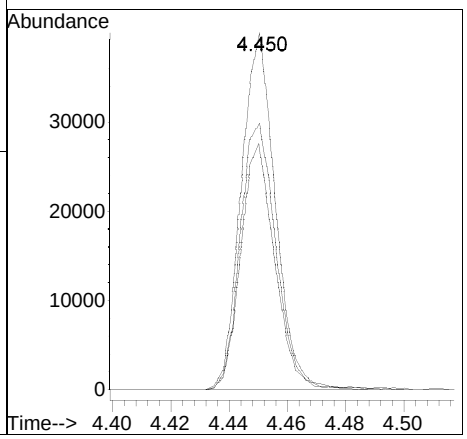


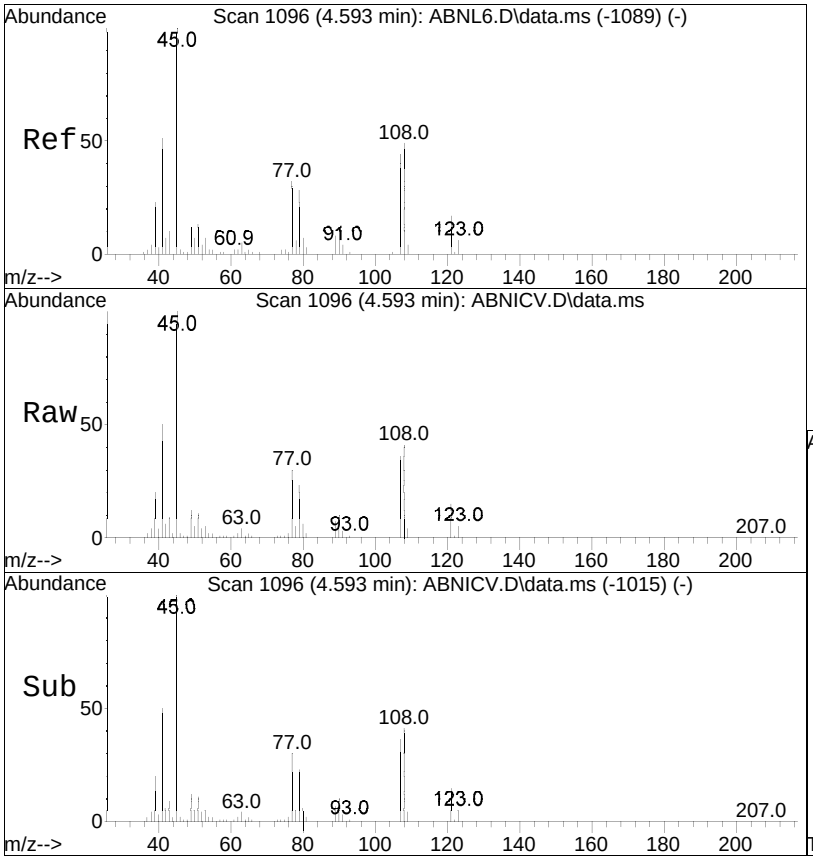


#13
Benzyl alcohol
Concen: 4.67 ug/ml
RT: 4.450 min Scan# 1050
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

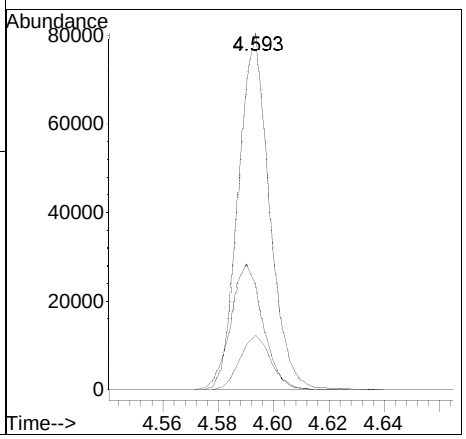


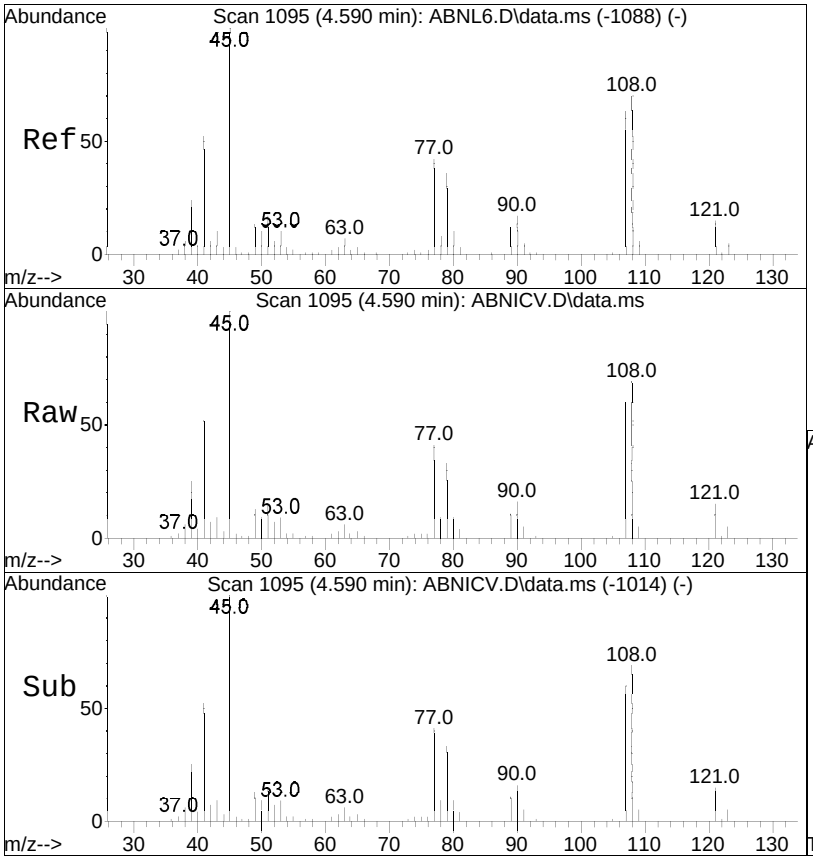


#14
Bis(2-chloroisopropyl)ether
Concen: 4.66 ug/ml
RT: 4.593 min Scan# 1096
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

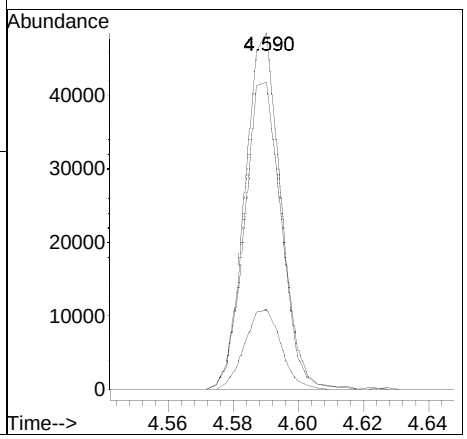


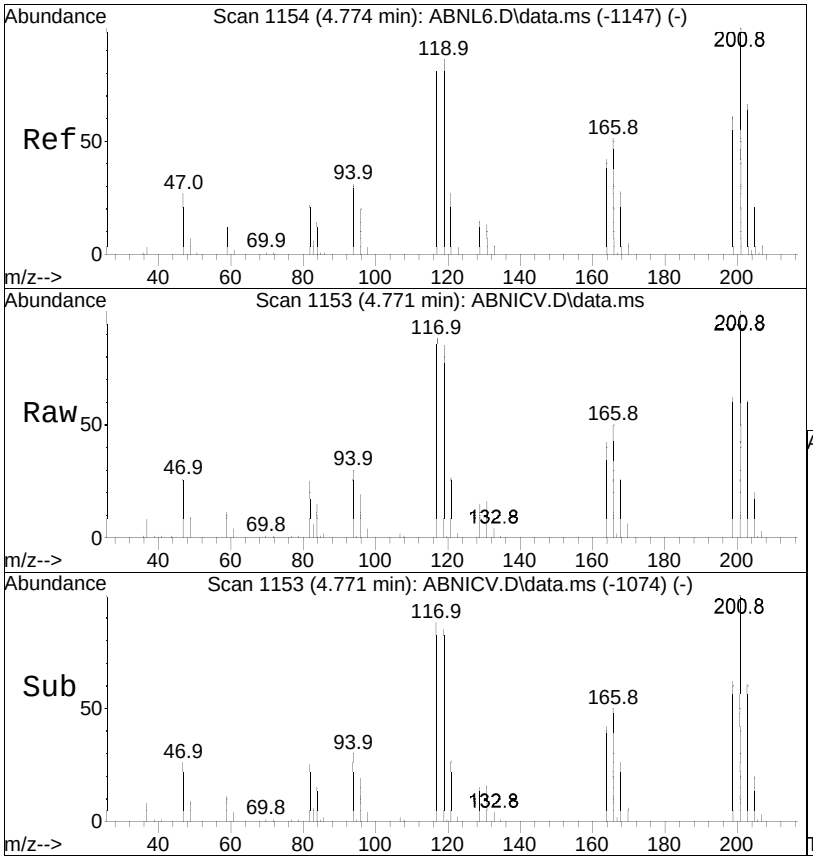


#15
2-Methylphenol
Concen: 4.59 ug/ml
RT: 4.590 min Scan# 1095
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

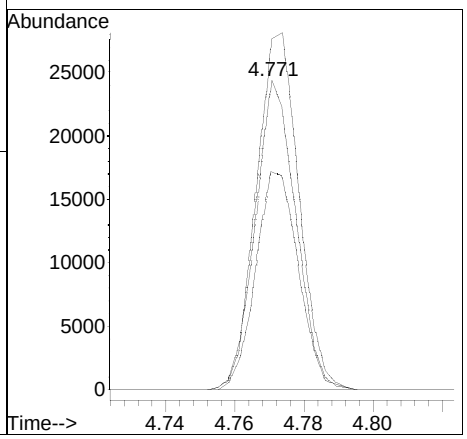


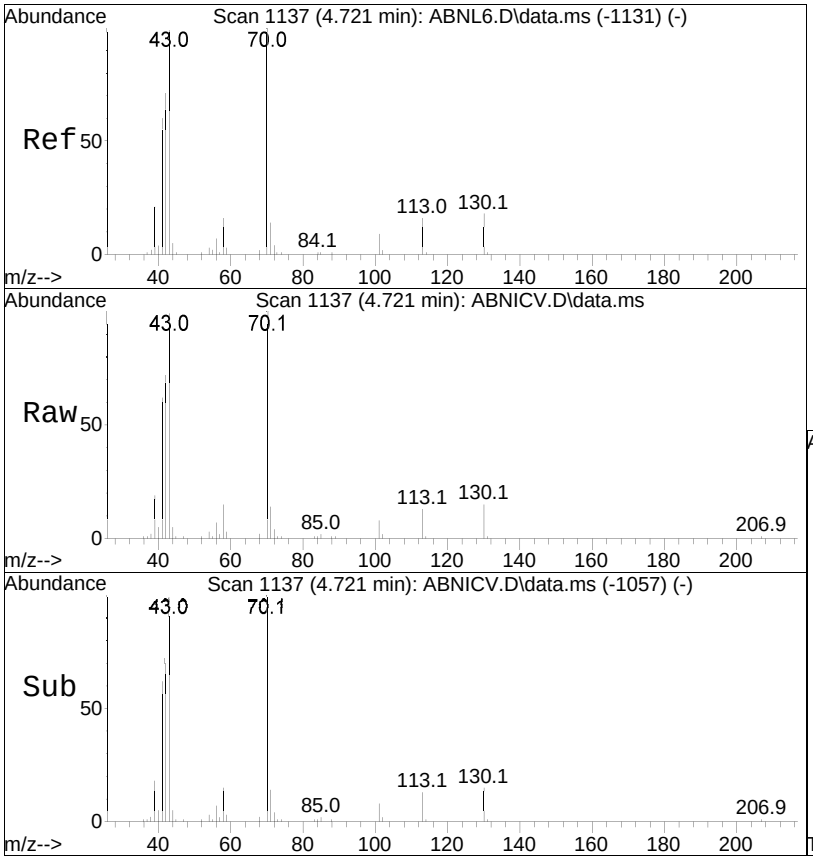


#16
Hexachloroethane
Concen: 4.49 ug/ml
RT: 4.771 min Scan# 1153
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

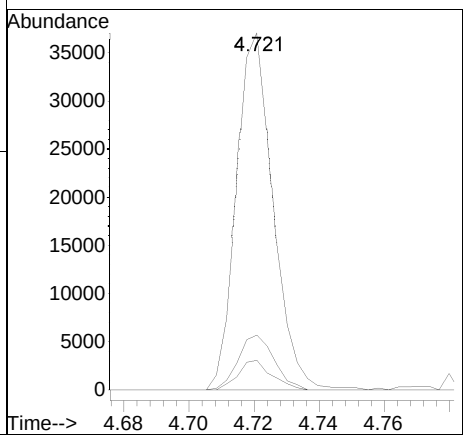


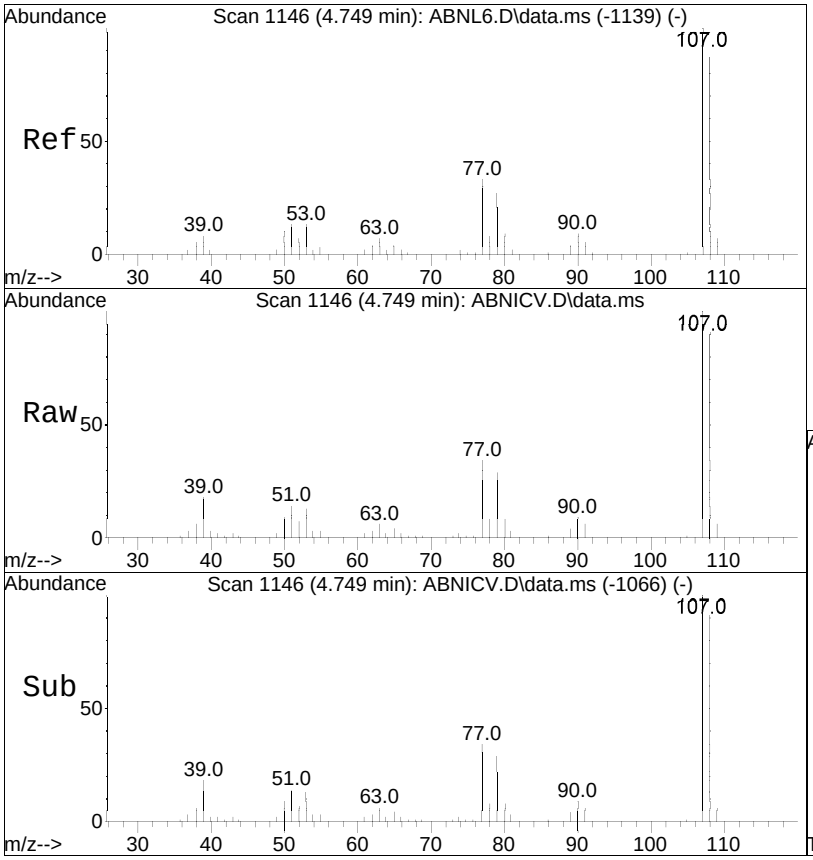


#17
n-Nitrosodi-n-propylamine
Concen: 4.48 ug/ml
RT: 4.721 min Scan# 1137
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

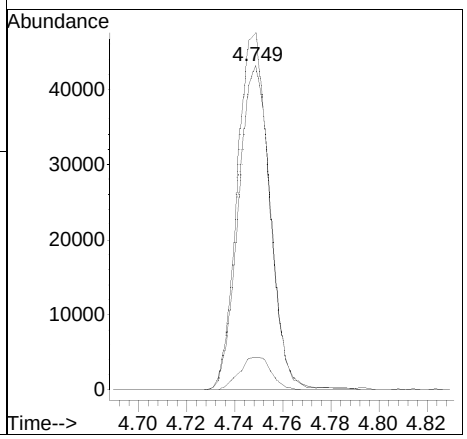


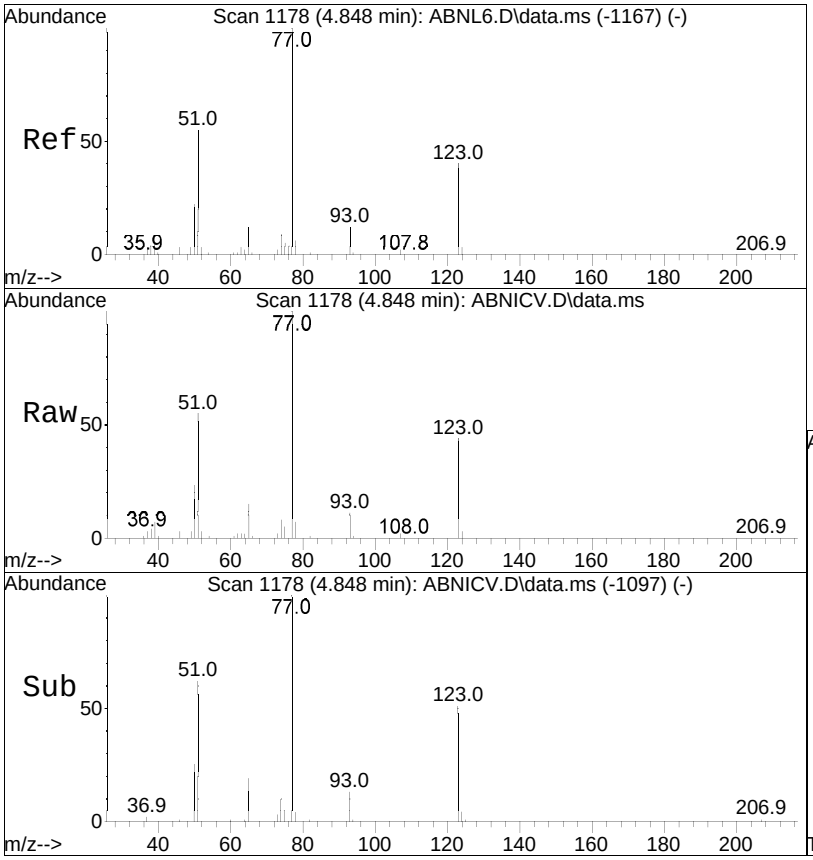


#18
3-Methylphenol/4-Methylphenol
Concen: 4.49 ug/ml
RT: 4.749 min Scan# 1146
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

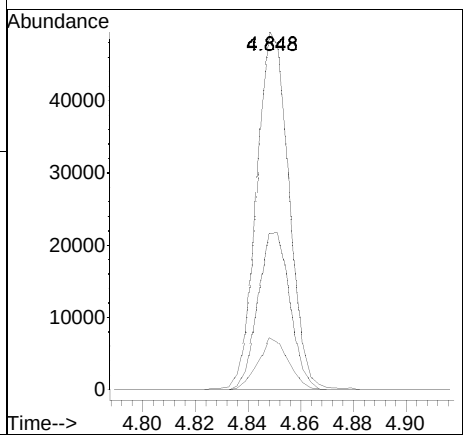


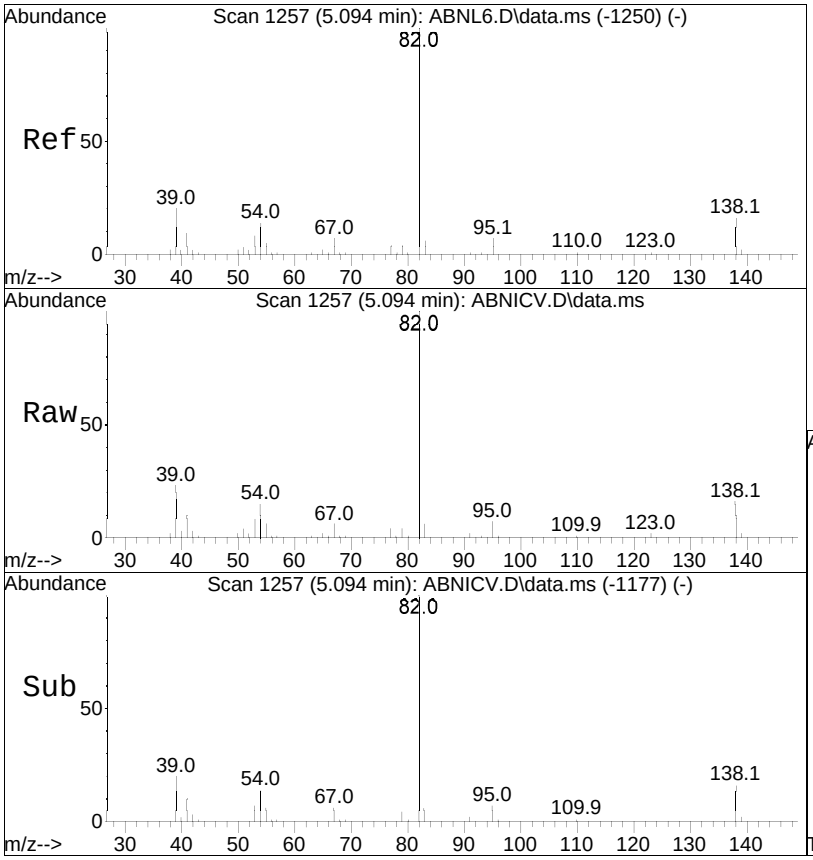


#20
Nitrobenzene
Concen: 4.59 ug/ml
RT: 4.848 min Scan# 1178
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

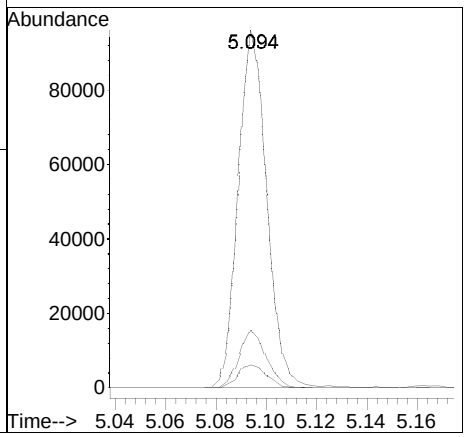


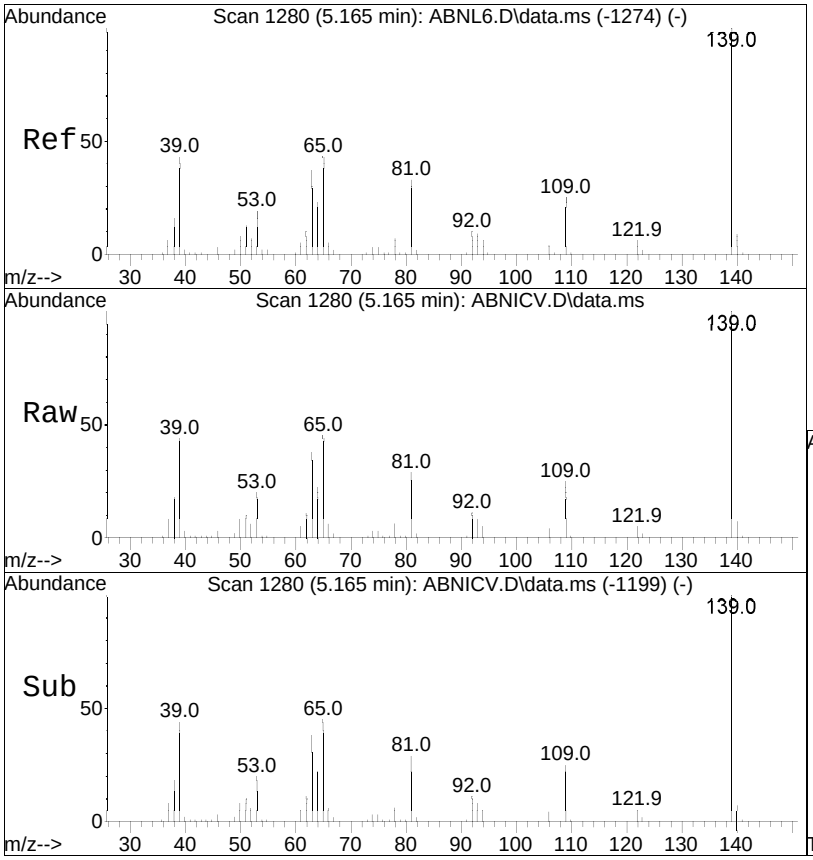


#21
Isophorone
Concen: 4.48 ug/ml
RT: 5.094 min Scan# 1257
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

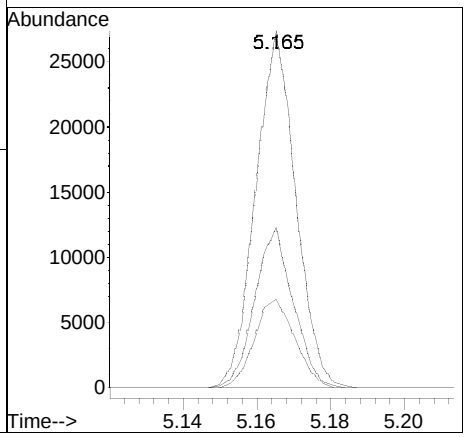


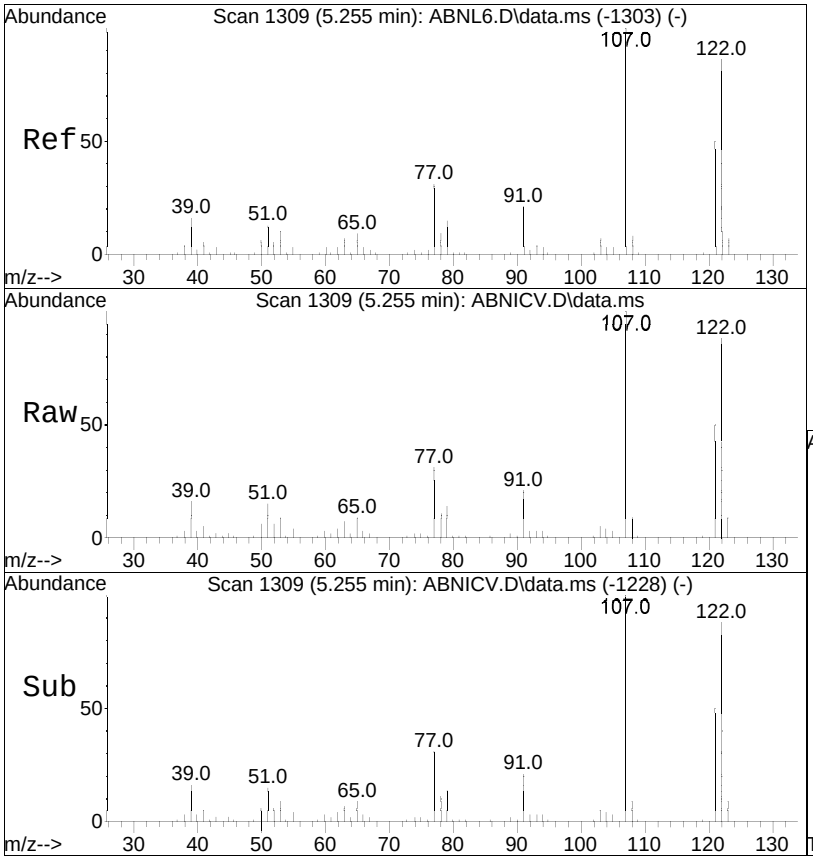


#22
2-Nitrophenol
Concen: 4.42 ug/ml
RT: 5.165 min Scan# 1280
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

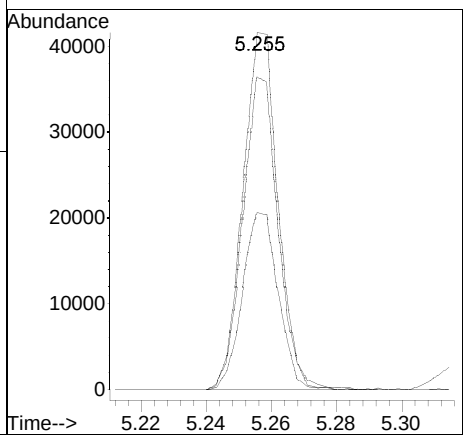


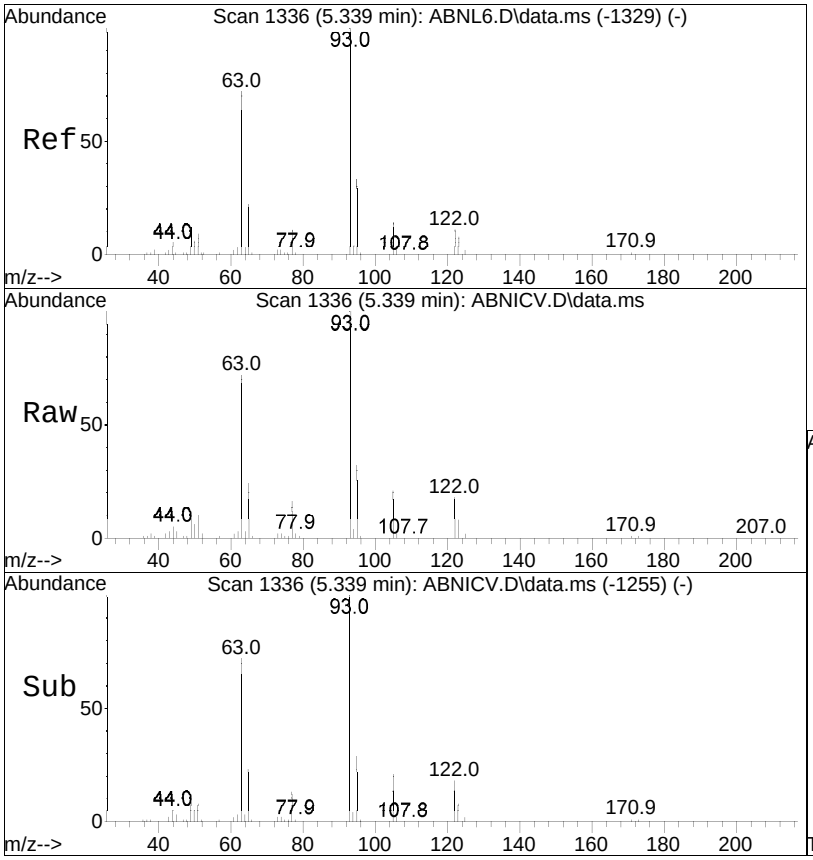


#23
2,4-Dimethylphenol
Concen: 3.79 ug/ml
RT: 5.255 min Scan# 1309
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

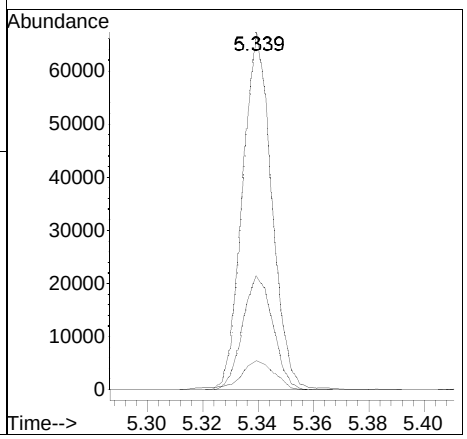


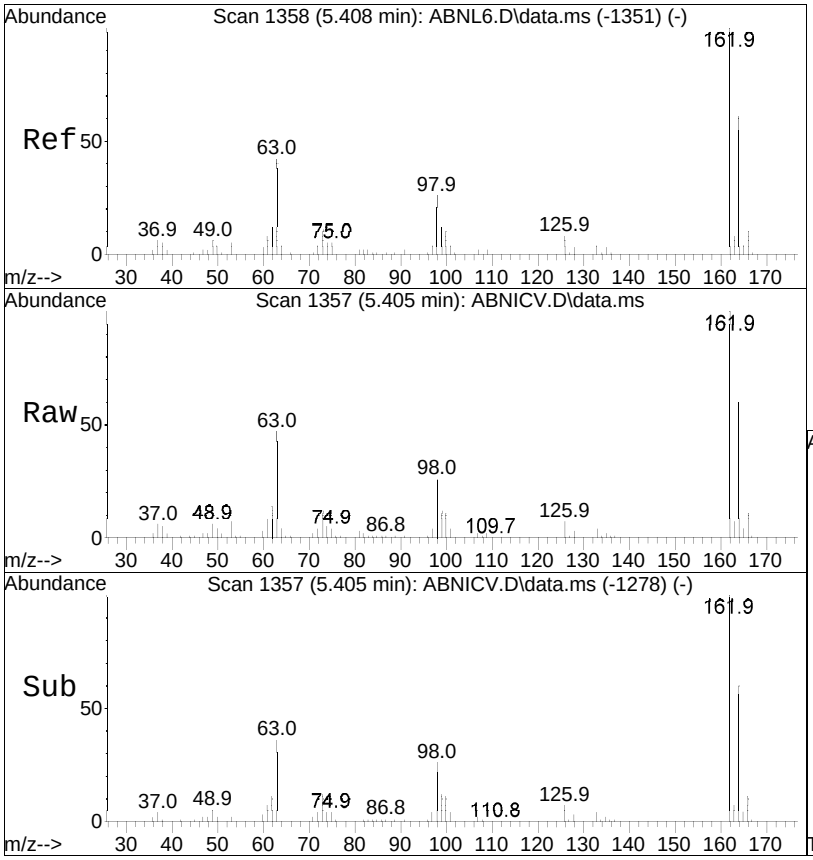


#24
Bis(2-chloroethoxy)methane
Concen: 4.69 ug/ml
RT: 5.339 min Scan# 1336
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

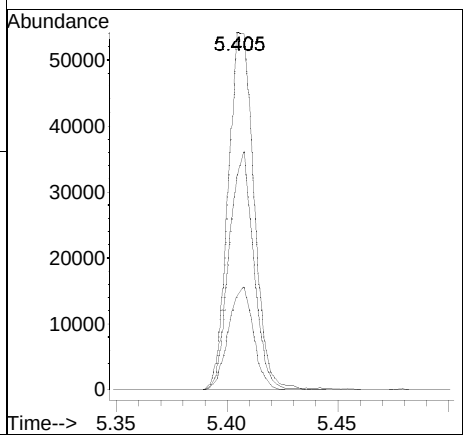


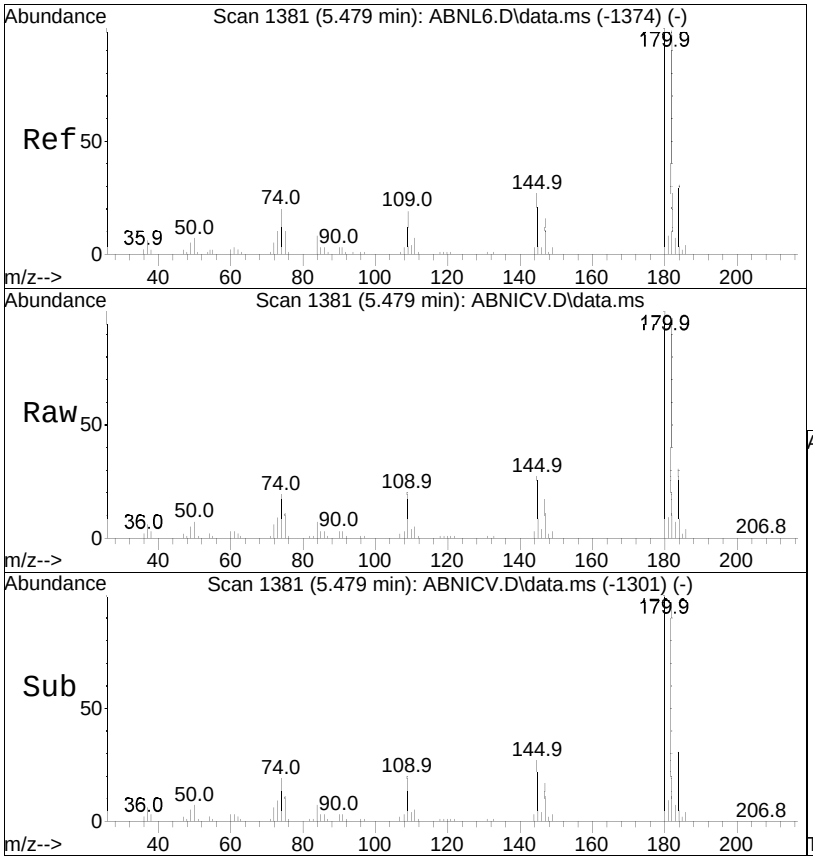


#25
2,4-Dichlorophenol
Concen: 4.55 ug/ml
RT: 5.405 min Scan# 1357
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

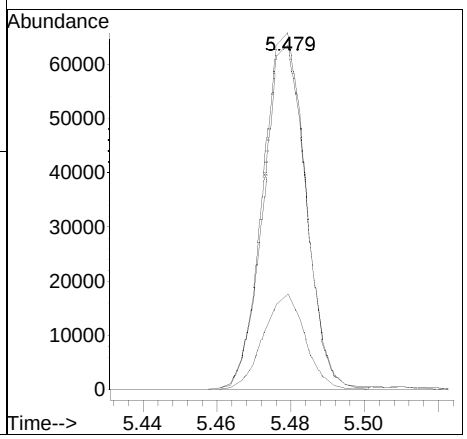


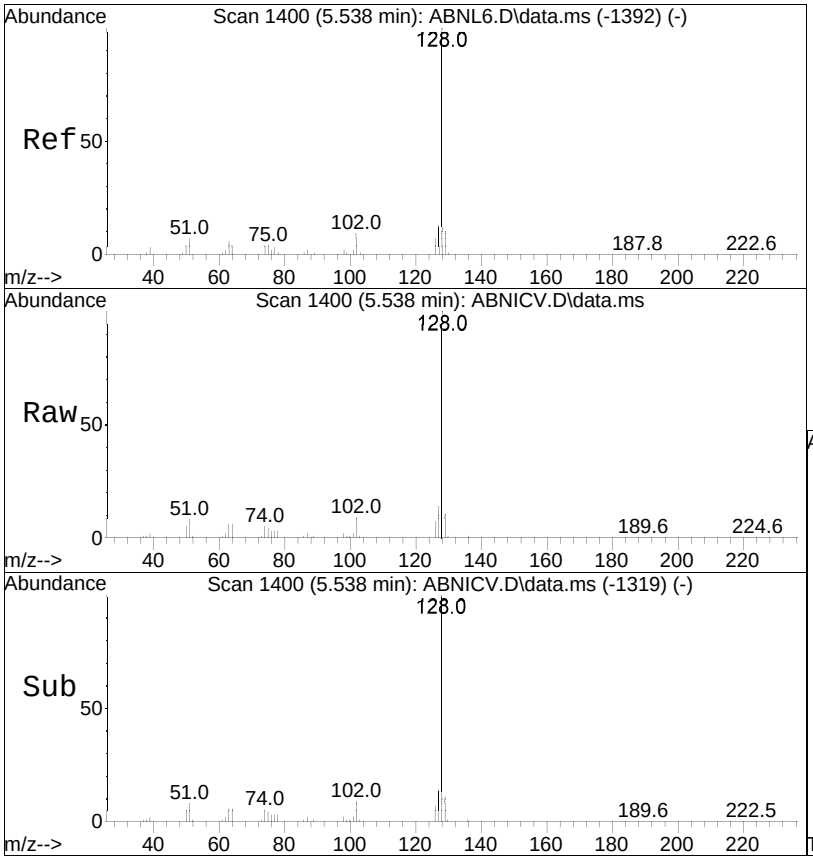


#26
1,2,4-Trichlorobenzene
Concen: 4.56 ug/ml
RT: 5.479 min Scan# 1381
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

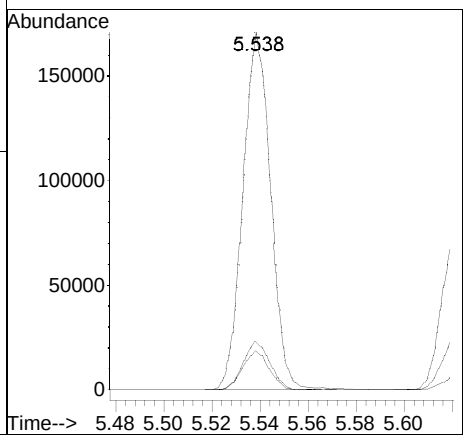


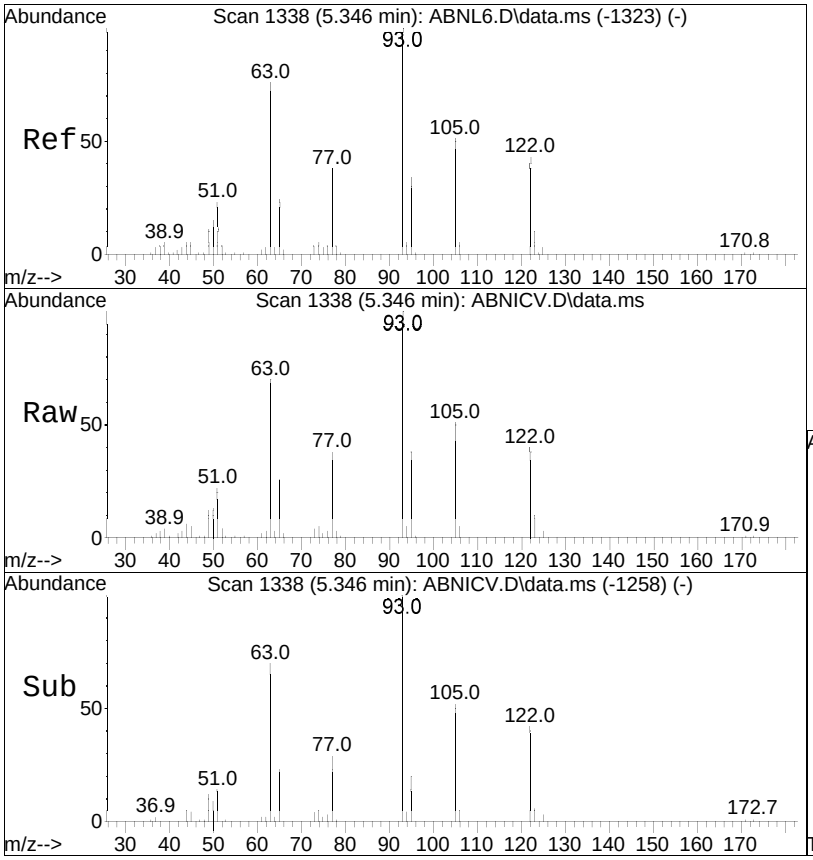


#38
Naphthalene
Concen: 4.45 ug/ml
RT: 5.538 min Scan# 1400
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

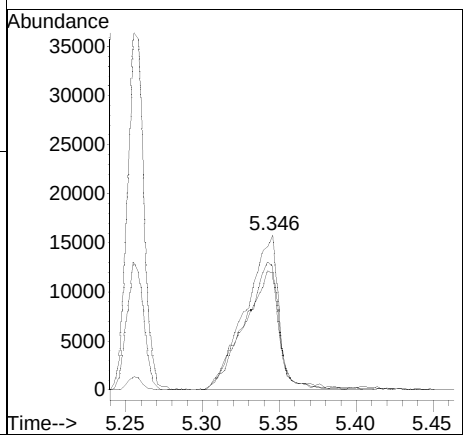


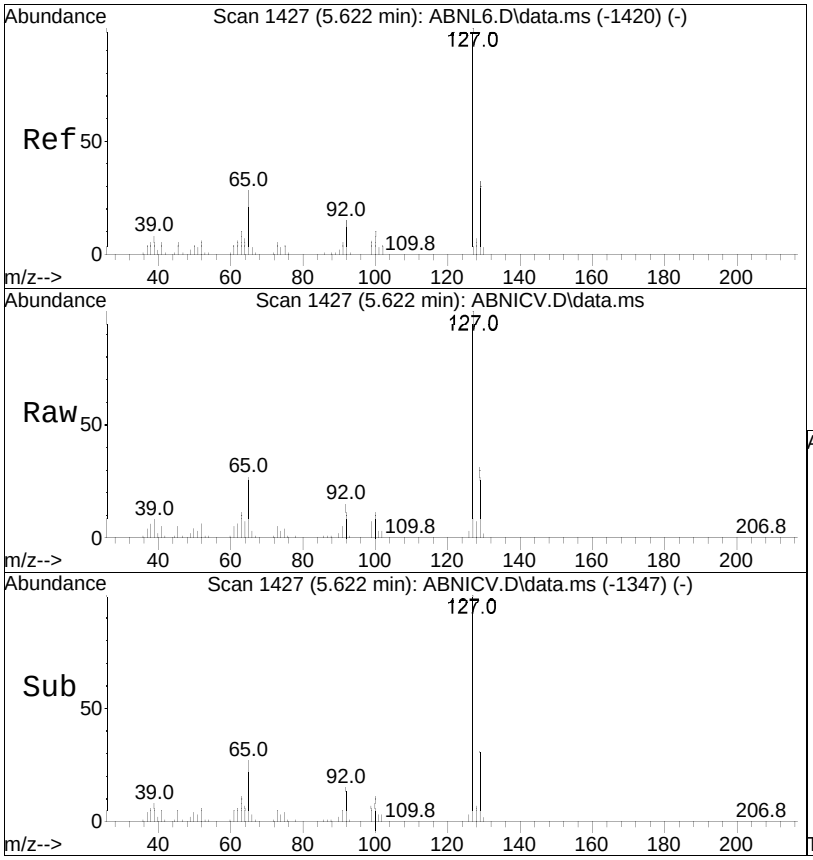


#39
Benzoic Acid
Concen: 3.83 ug/ml
RT: 5.346 min Scan# 1338
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

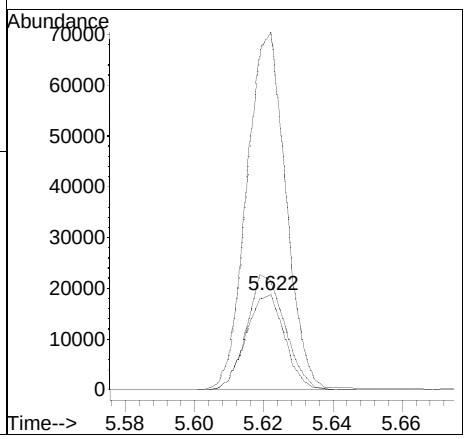


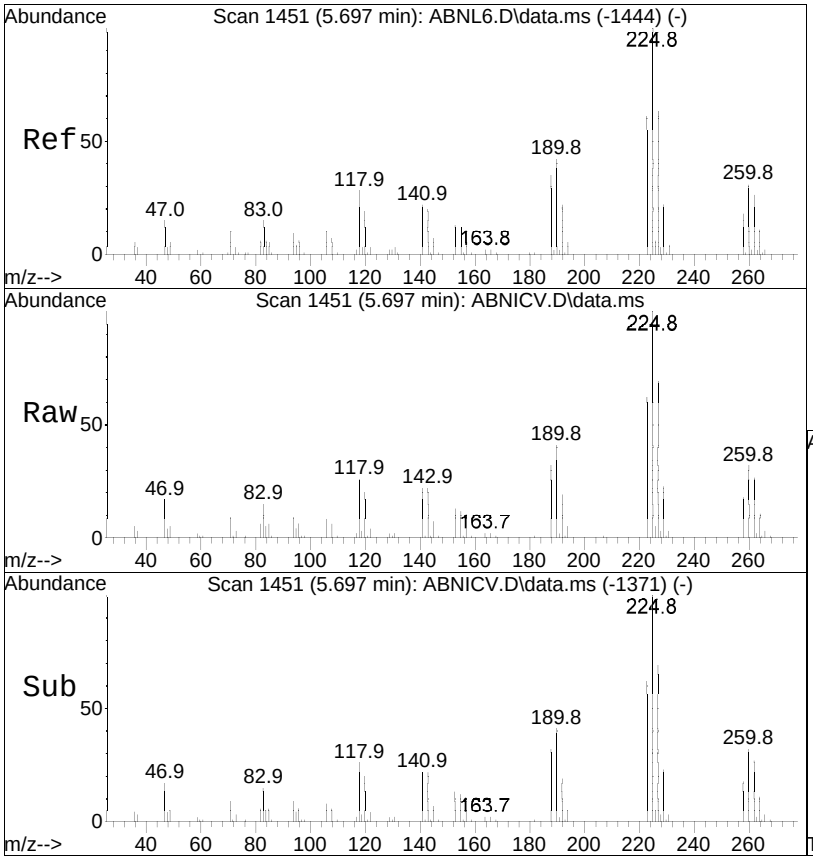


#40
4-Chloroaniline
Concen: 4.31 ug/ml
RT: 5.622 min Scan# 1427
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

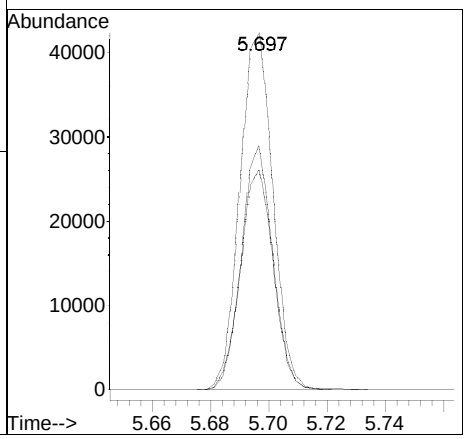


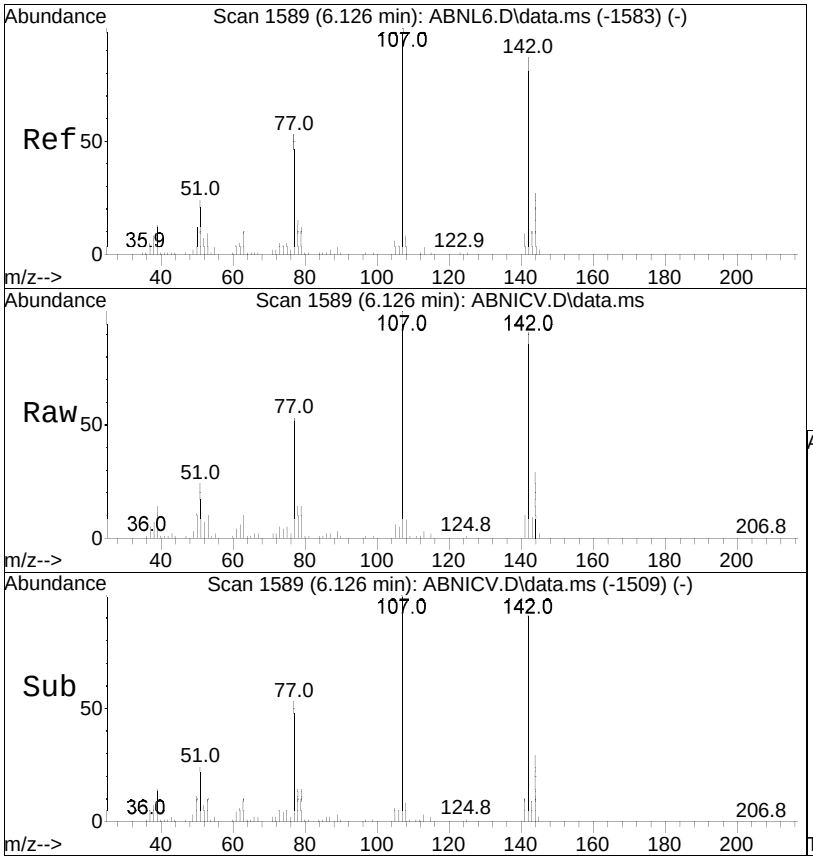


#41
Hexachlorobutadiene
Concen: 4.65 ug/ml
RT: 5.697 min Scan# 1451
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

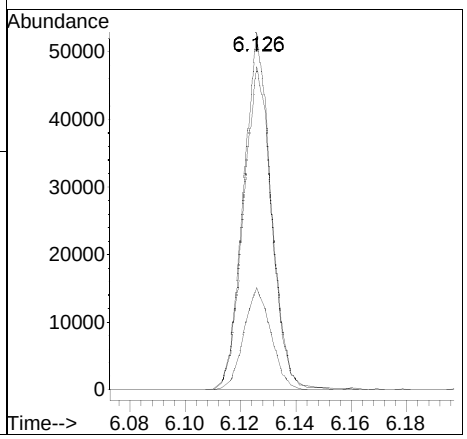


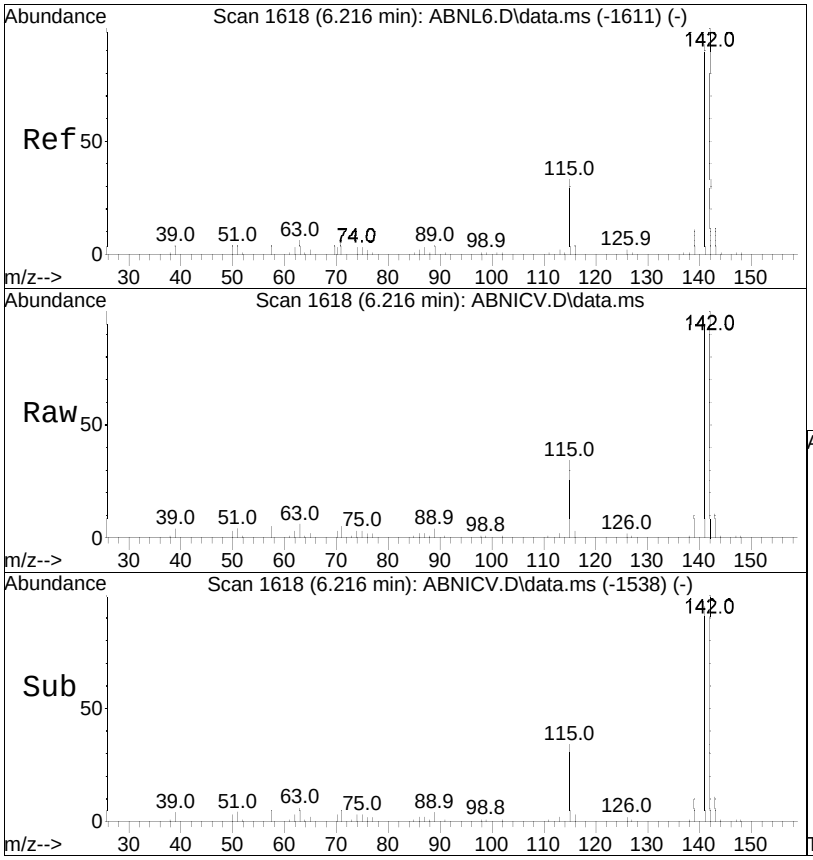


#42
p-Chloro-m-cresol
Concen: 4.51 ug/ml
RT: 6.126 min Scan# 1589
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

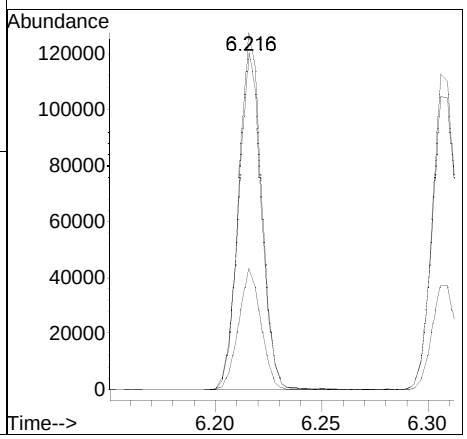


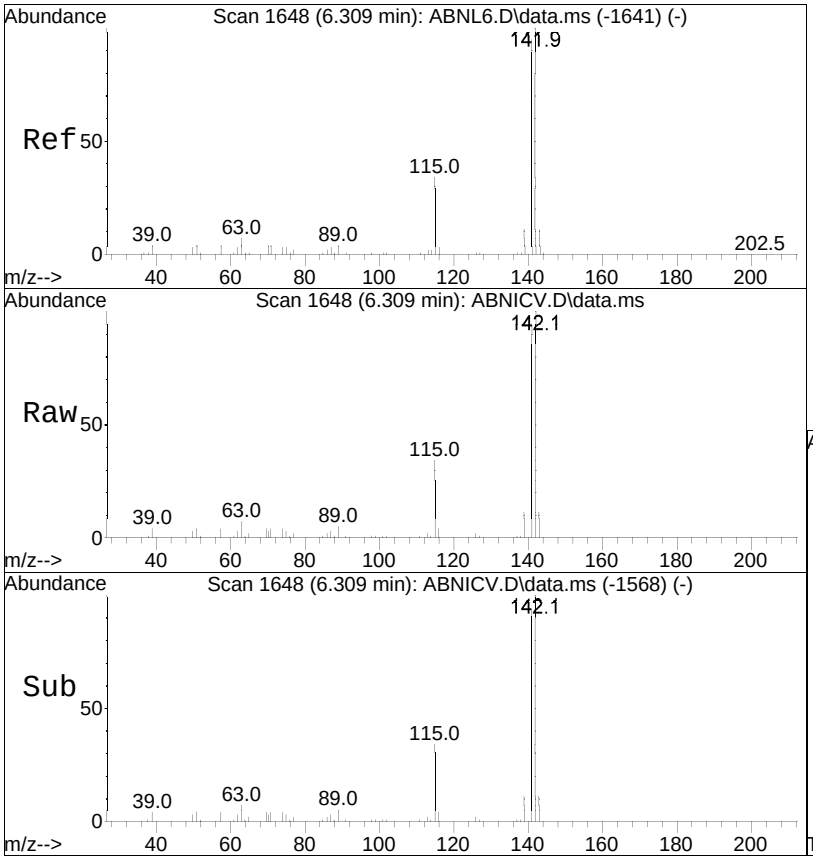


#43
2-Methylnaphthalene
Concen: 4.53 ug/ml
RT: 6.216 min Scan# 1618
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

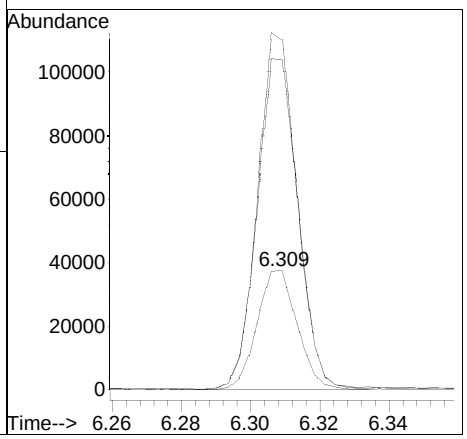


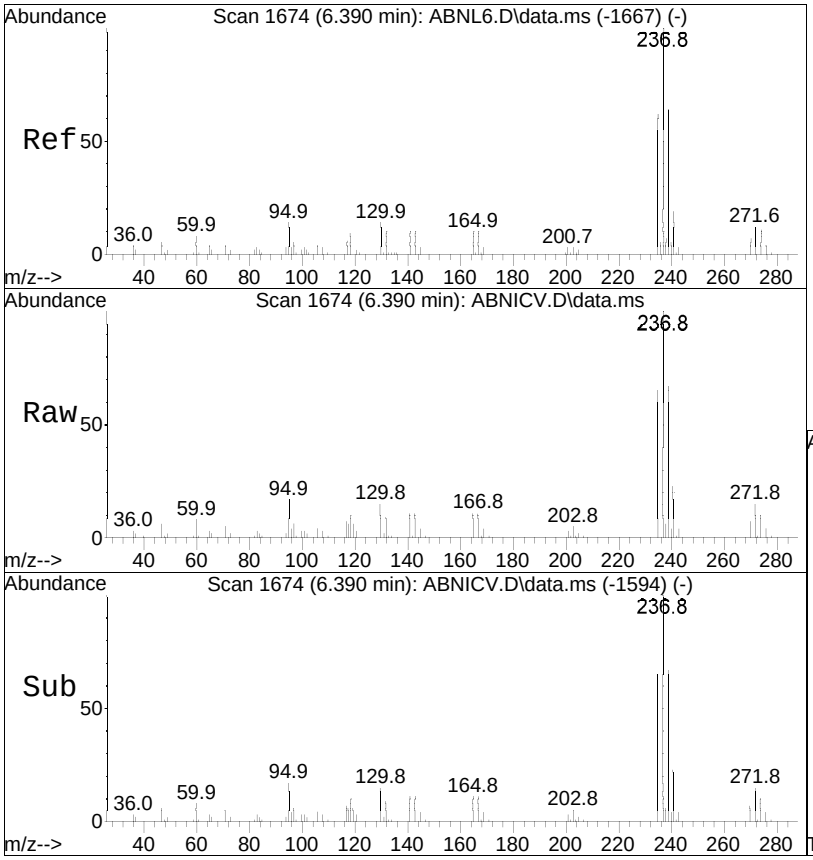


#44
1-Methylnaphthalene
Concen: 4.52 ug/ml
RT: 6.309 min Scan# 1648
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

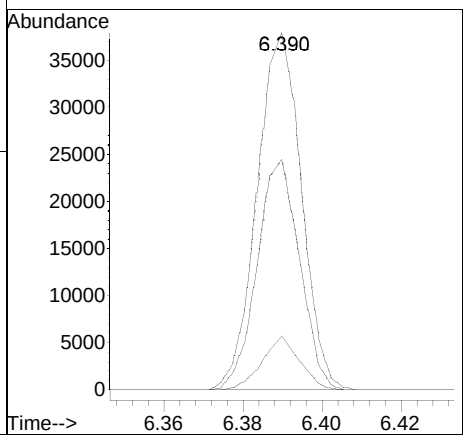


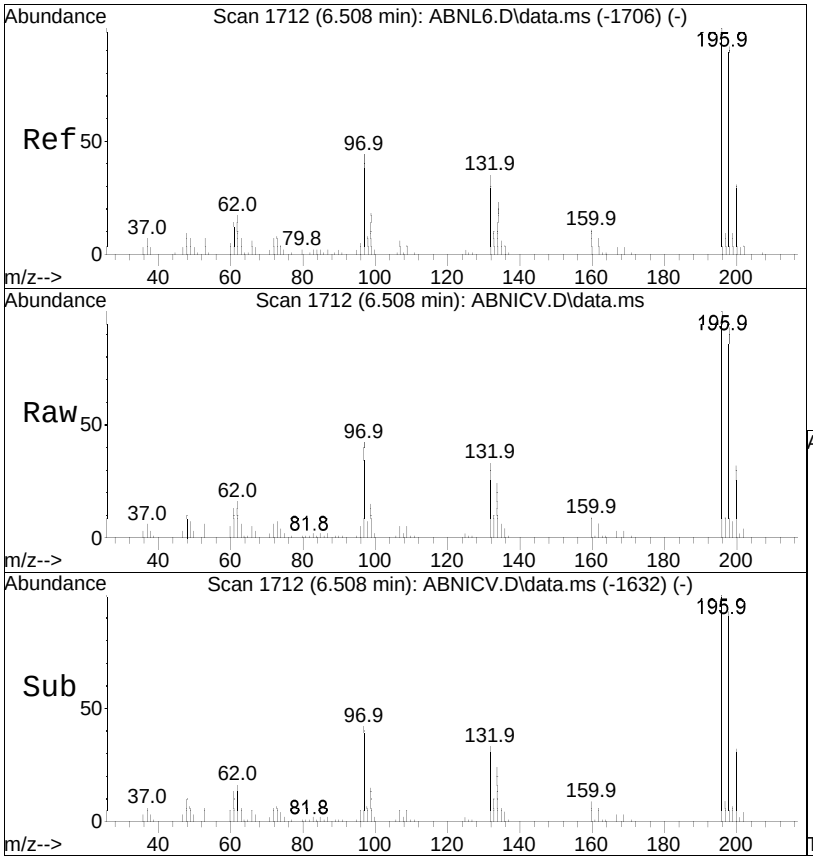


#45
Hexachlorocyclopentadiene
Concen: 3.87 ug/ml
RT: 6.390 min Scan# 1674
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

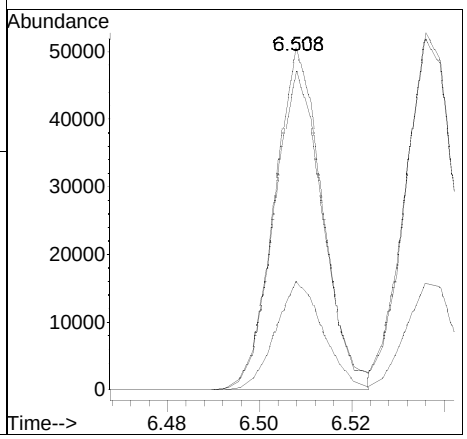


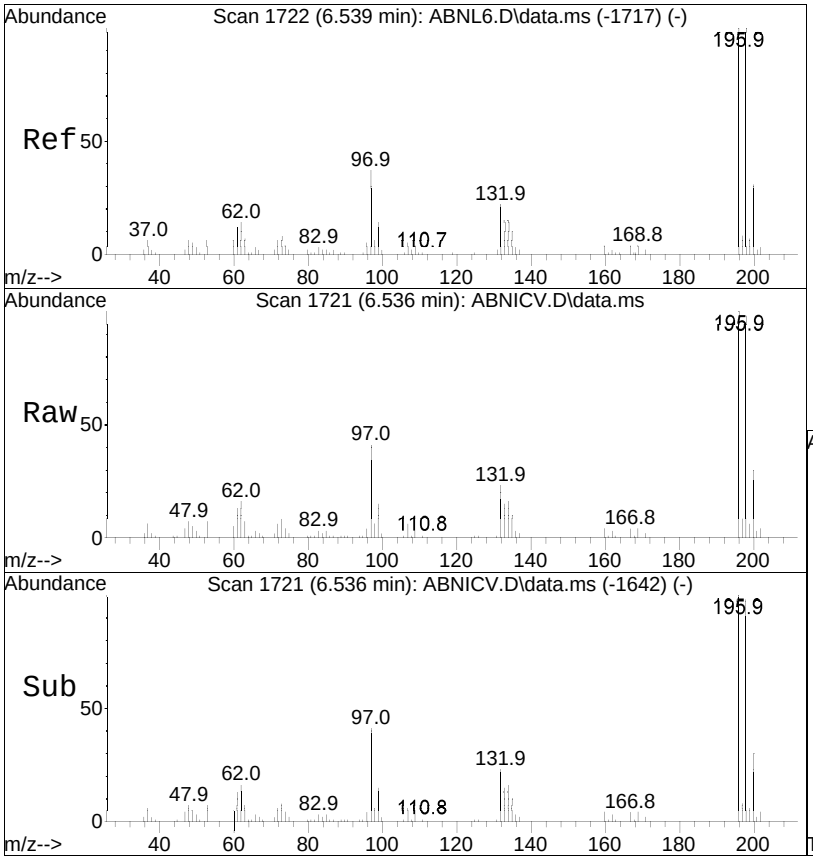


#46
2,4,6-Trichlorophenol
Concen: 4.58 ug/ml
RT: 6.508 min Scan# 1712
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

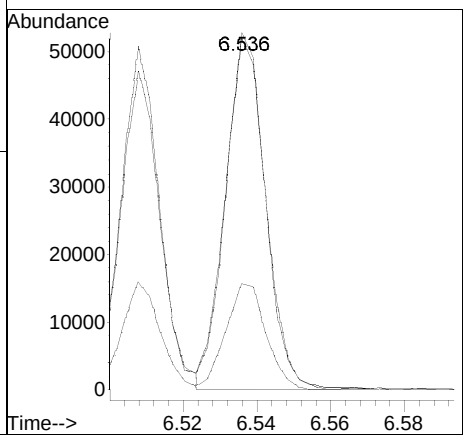


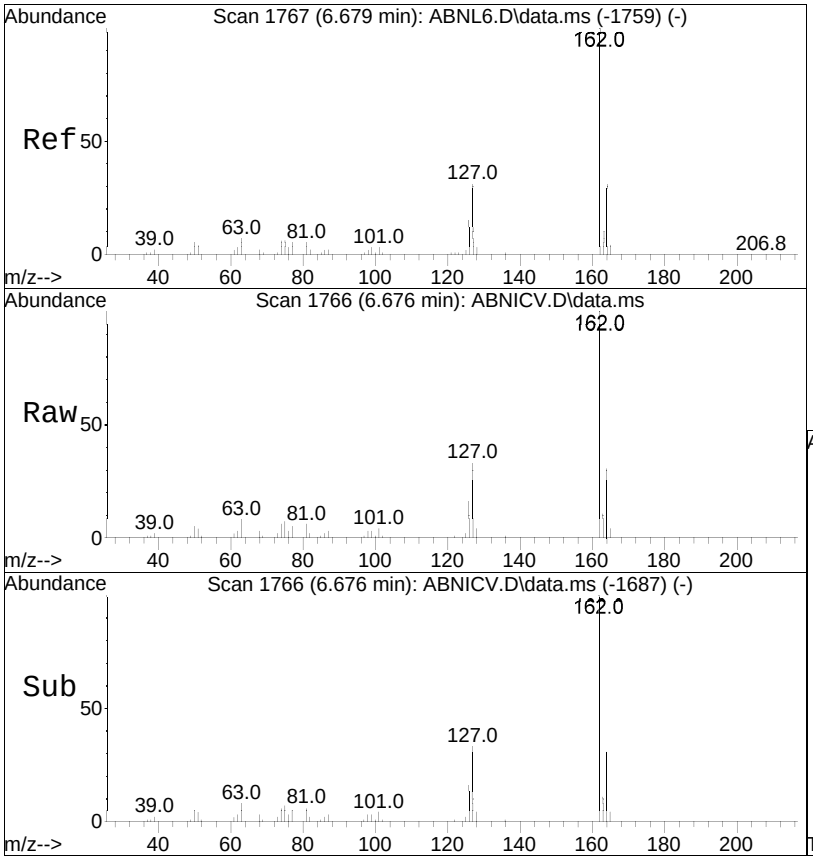


#47
2,4,5-Trichlorophenol
Concen: 4.43 ug/ml
RT: 6.536 min Scan# 1721
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

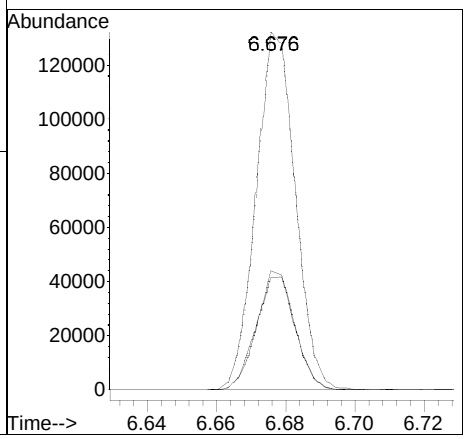


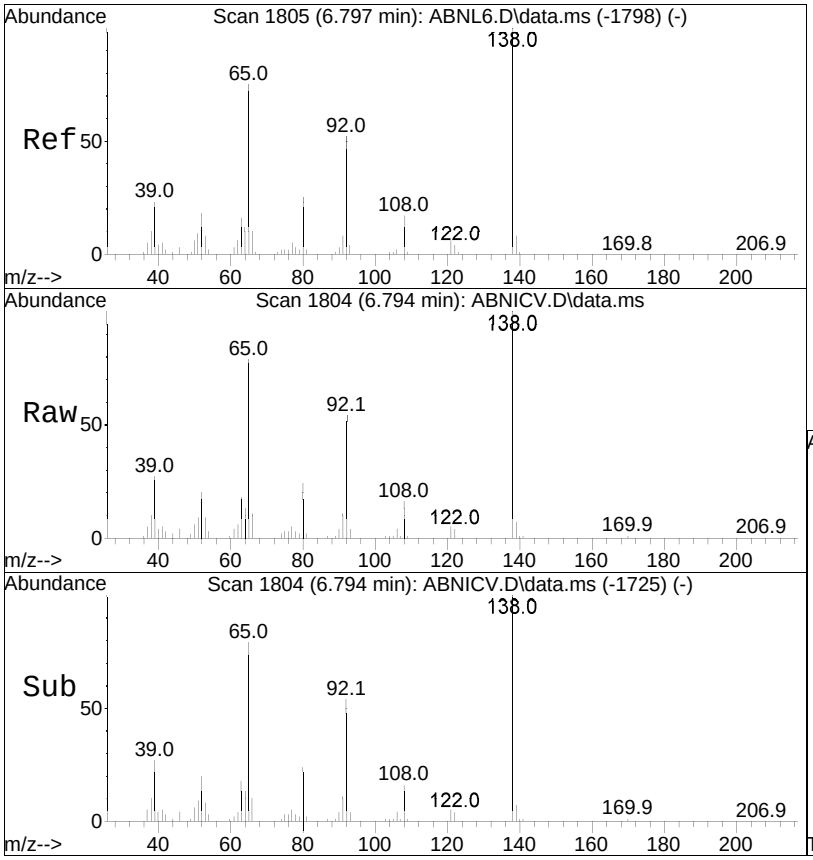


#49
2-Chloronaphthalene
Concen: 4.33 ug/ml
RT: 6.676 min Scan# 1766
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

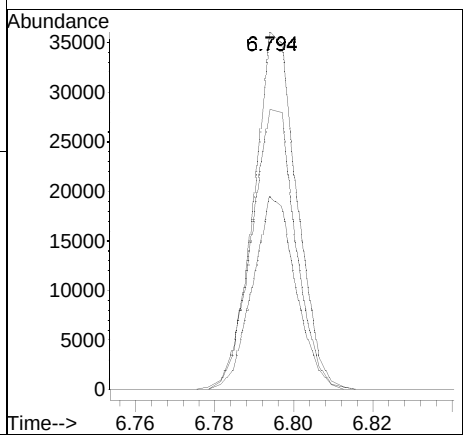


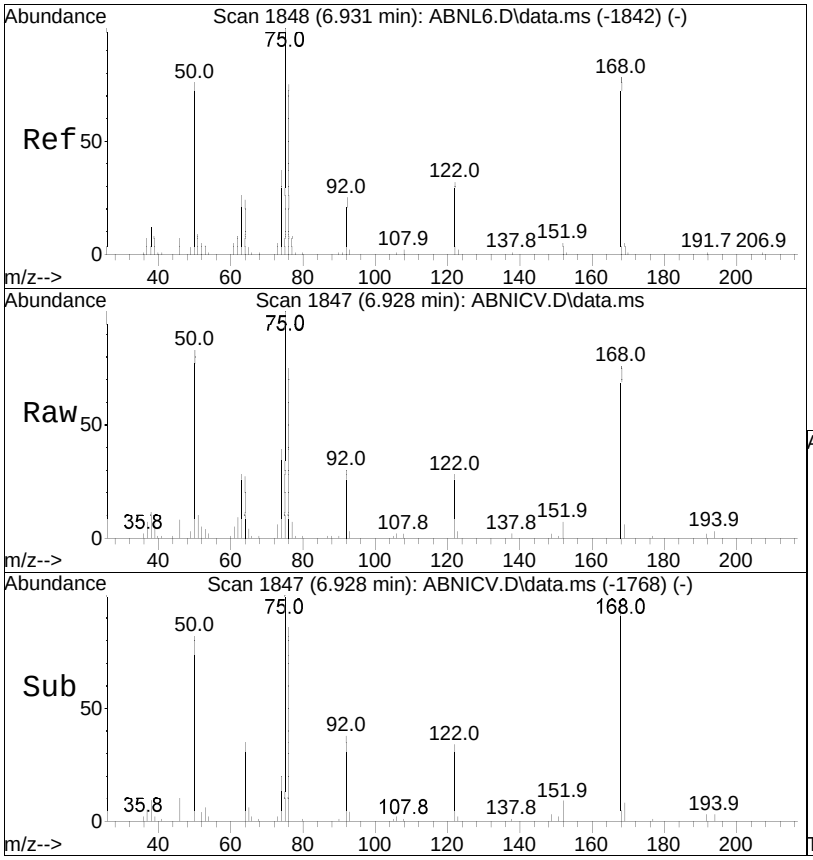


#50
2-Nitroaniline
Concen: 4.45 ug/ml
RT: 6.794 min Scan# 1804
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

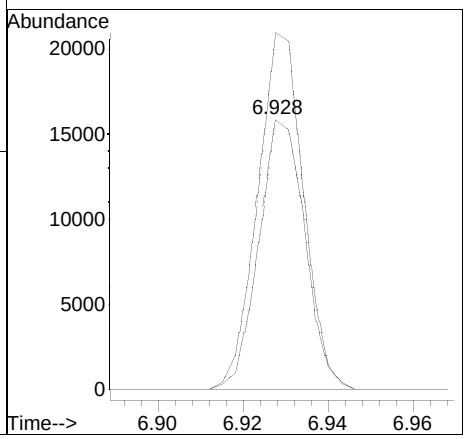


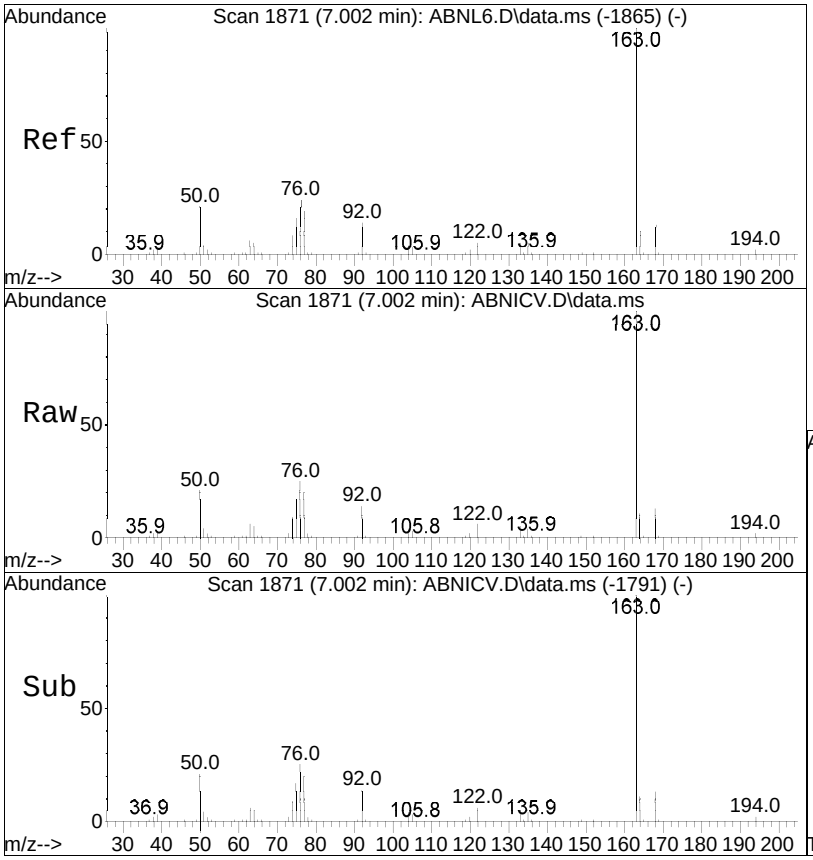


#51
1,4-Dinitrobenzene
Concen: 4.50 ug/ml
RT: 6.928 min Scan# 1847
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 11911

Ion	Ratio	Lower	Upper
168	100		
75	131.0	121.8	182.8

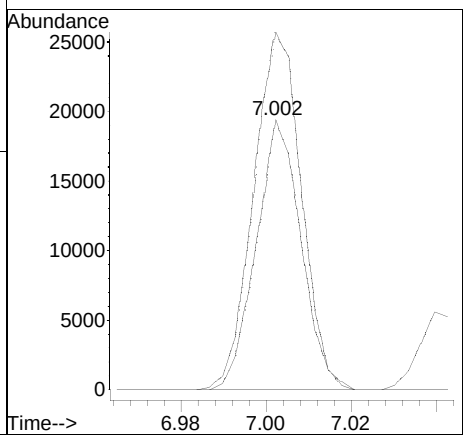


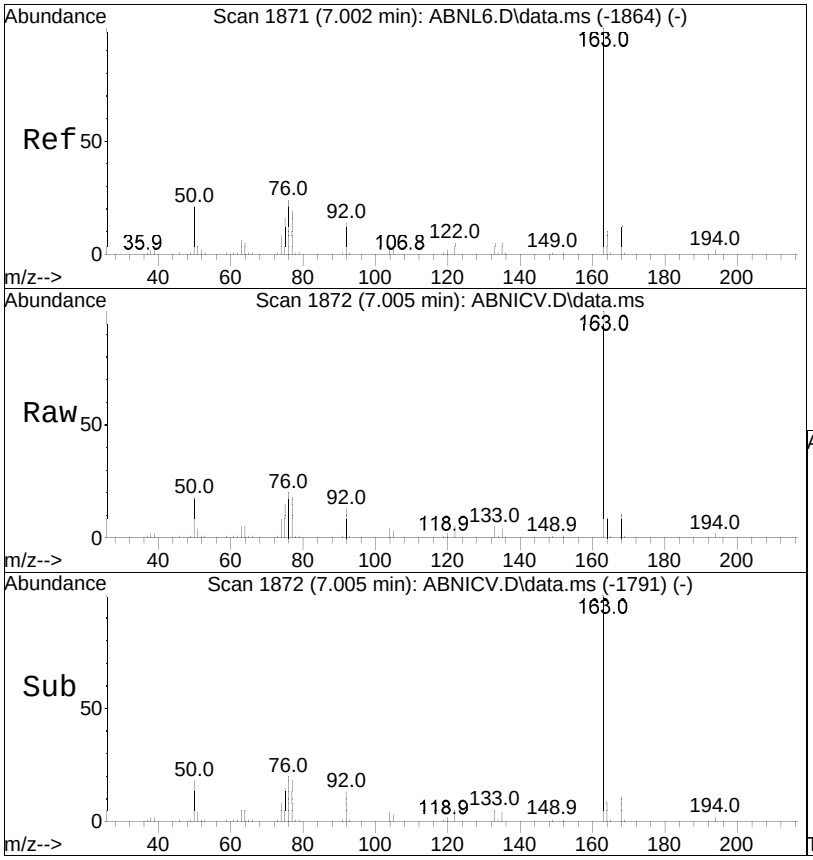


#52
1,3-Dinitrobenzene
Concen: 4.43 ug/ml
RT: 7.002 min Scan# 1871
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 14057

Ion	Ratio	Lower	Upper
168	100		
75	141.5	22.7	34.1#

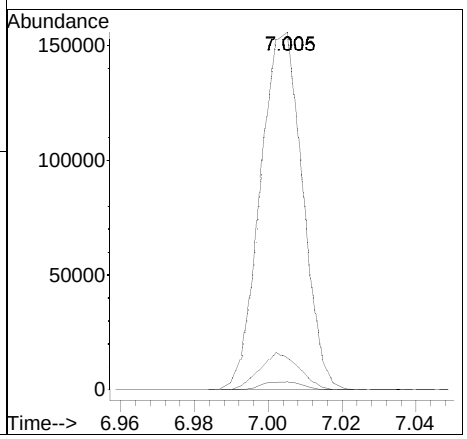


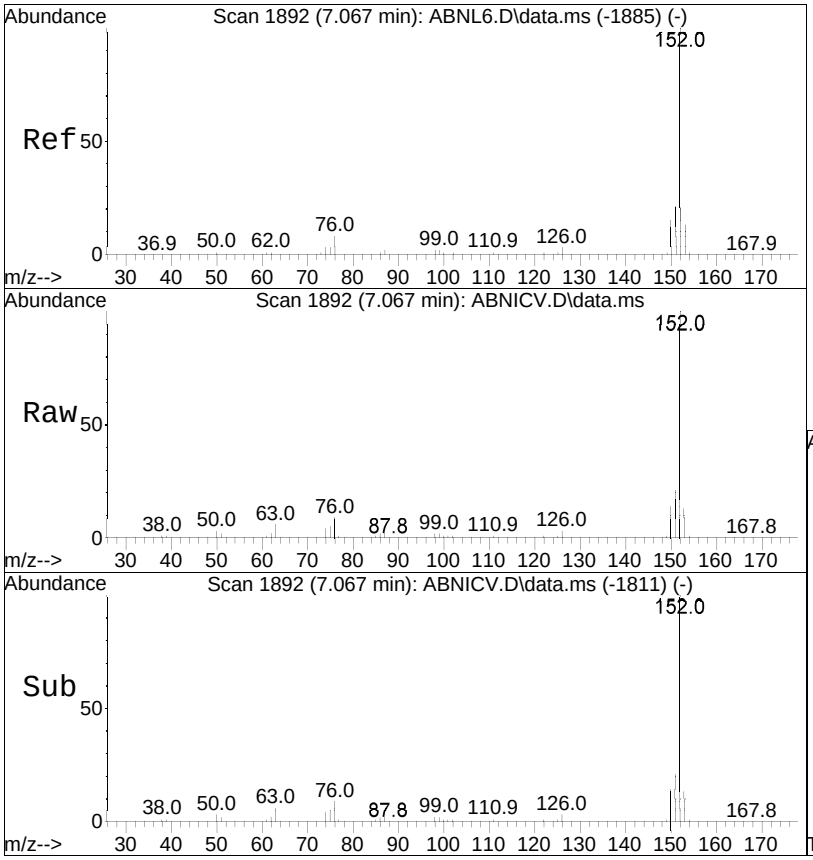


#53
Dimethyl phthalate
Concen: 4.44 ug/ml
RT: 7.005 min Scan# 1872
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

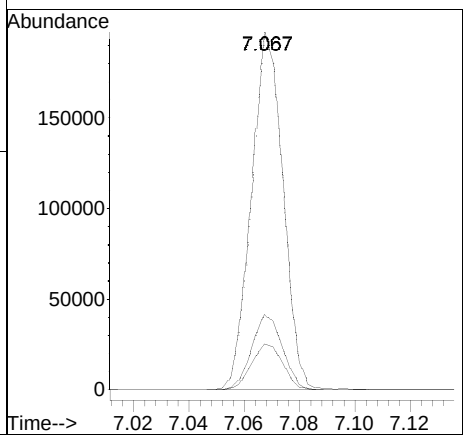


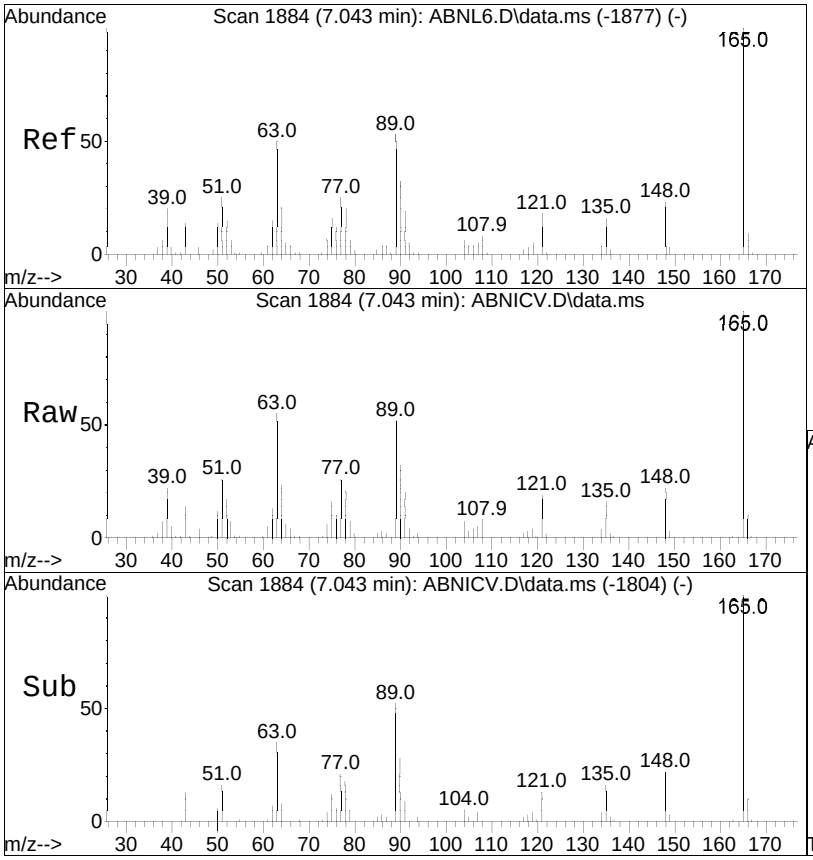


#54
Acenaphthylene
Concen: 4.44 ug/ml
RT: 7.067 min Scan# 1892
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

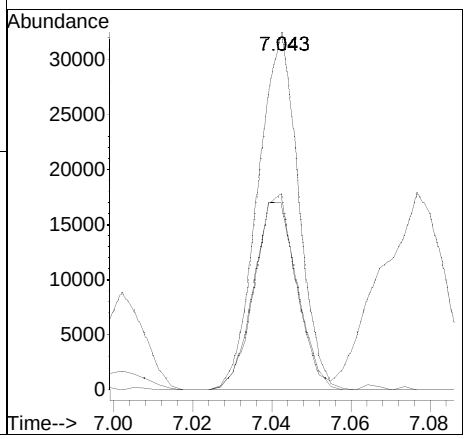


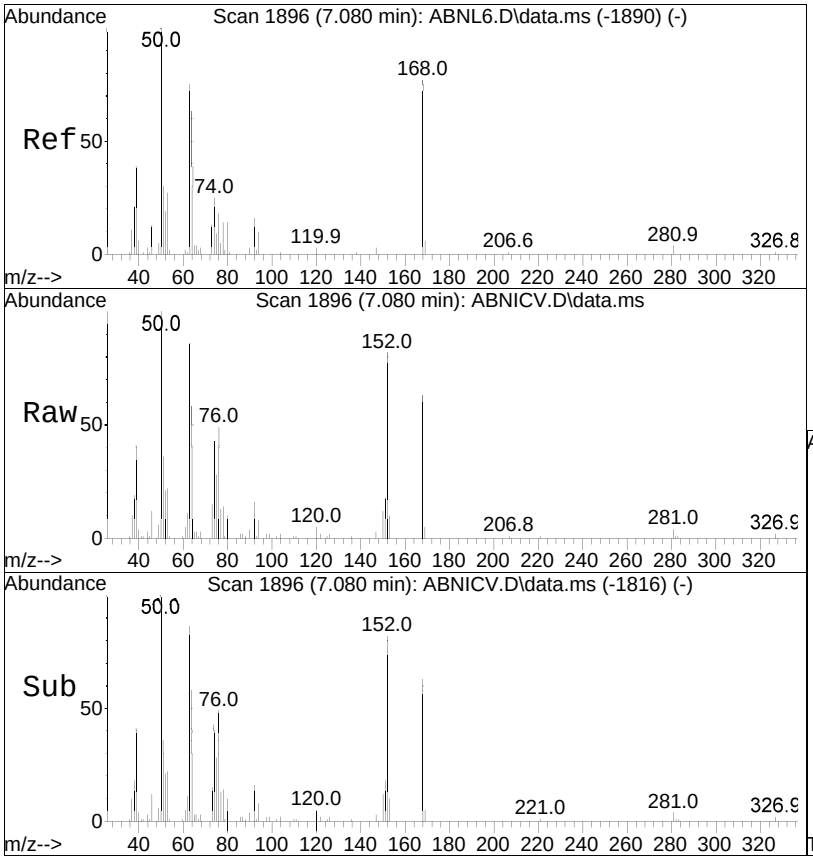


#55
2,6-Dinitrotoluene
Concen: 4.50 ug/ml
RT: 7.043 min Scan# 1884
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

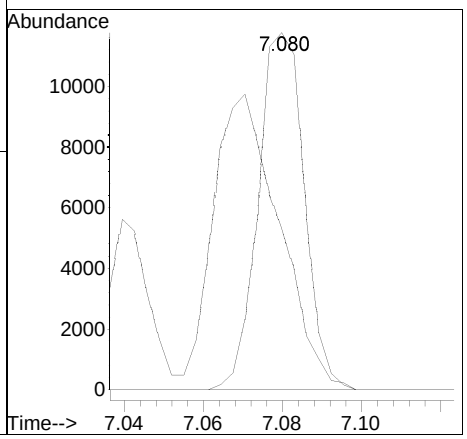


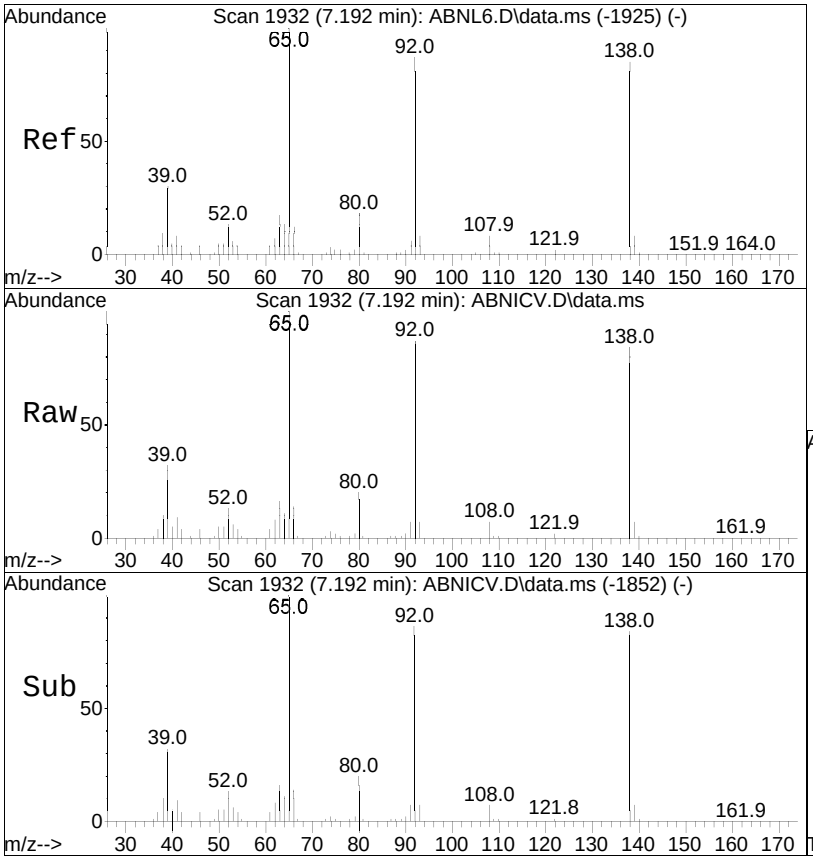


#56
1,2-Dinitrobenzene
Concen: 5.13 ug/ml
RT: 7.080 min Scan# 1896
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 9499

Ion	Ratio	Lower	Upper
168	100		
75	118.0	30.9	46.3#

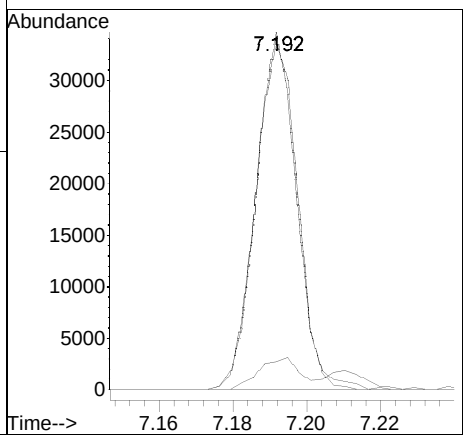


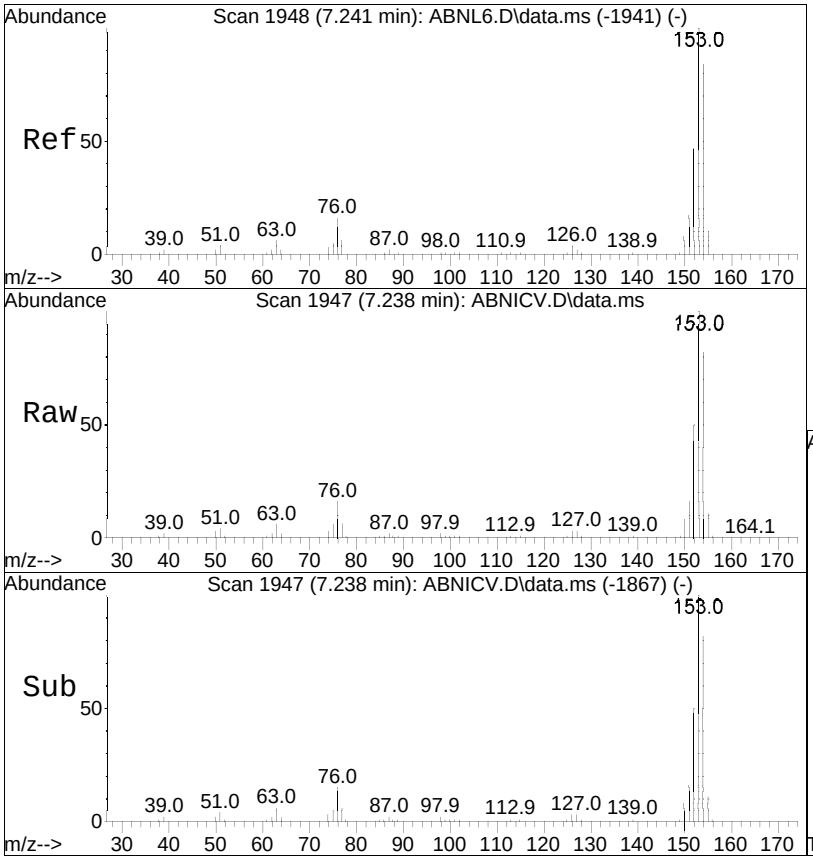


#66
3-Nitroaniline
Concen: 4.70 ug/ml
RT: 7.192 min Scan# 1932
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

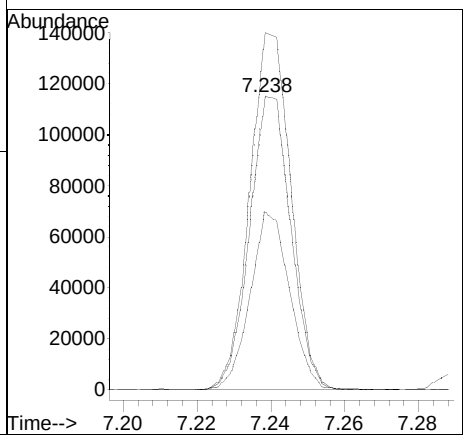


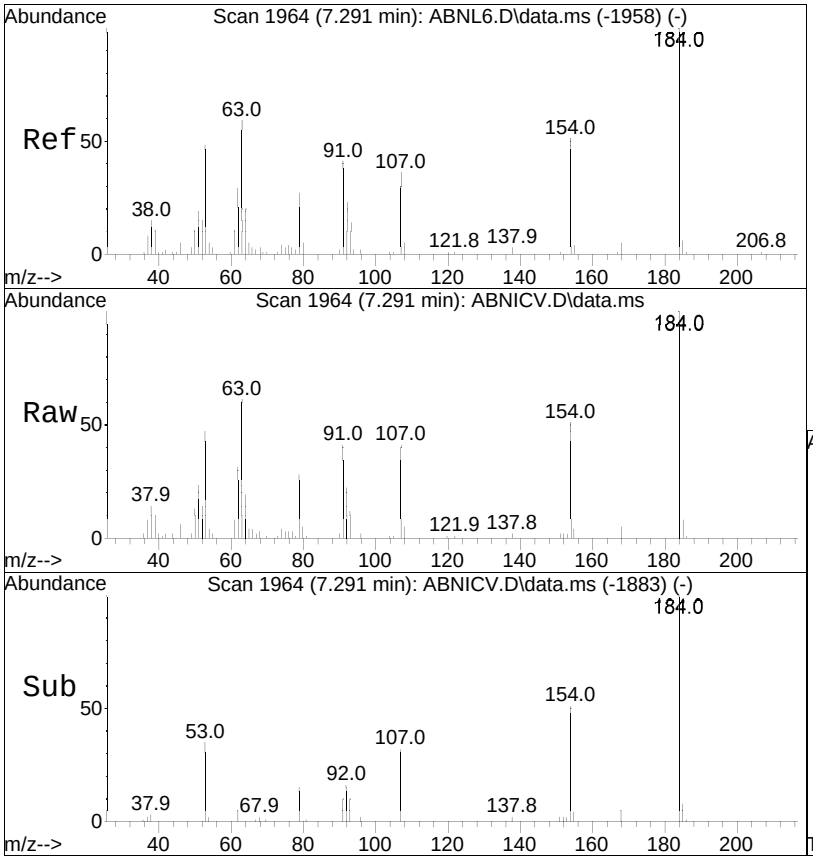


#67
Acenaphthene
Concen: 4.27 ug/ml
RT: 7.238 min Scan# 1947
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

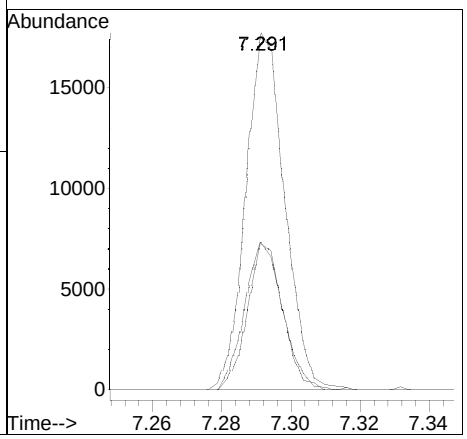


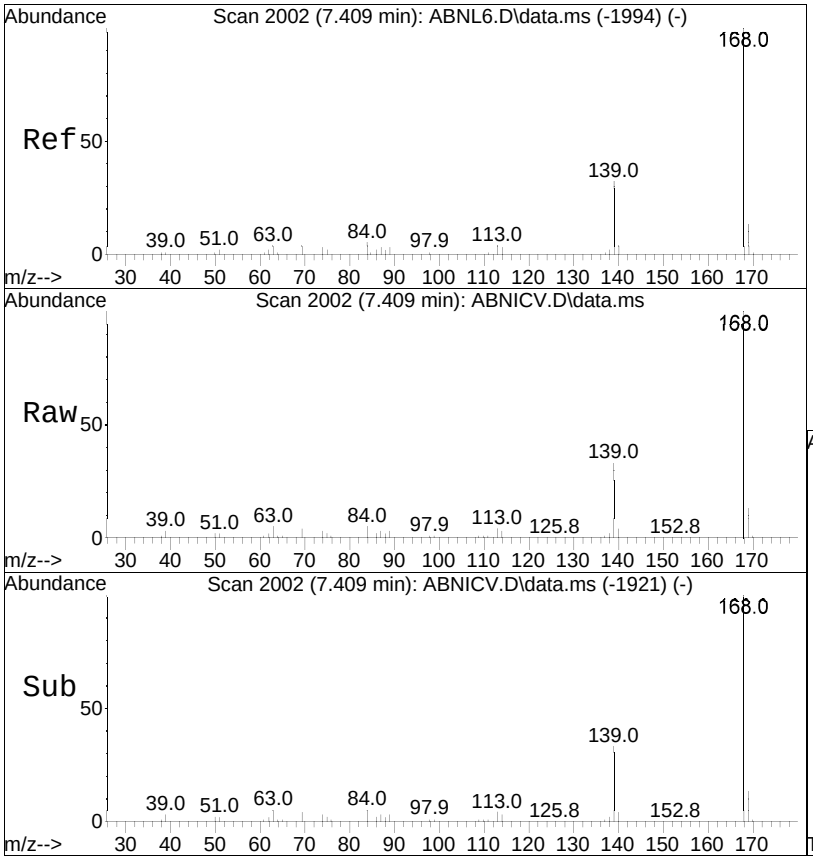


#68
2,4-Dinitrophenol
Concen: 4.13 ug/ml
RT: 7.291 min Scan# 1964
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

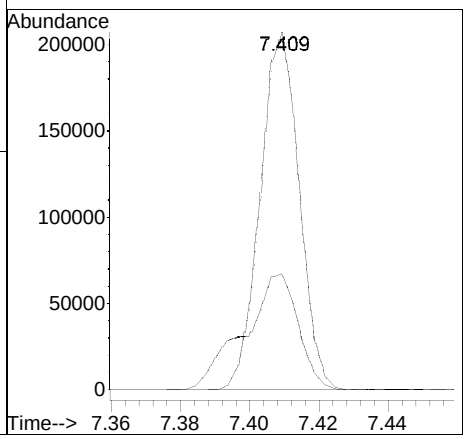


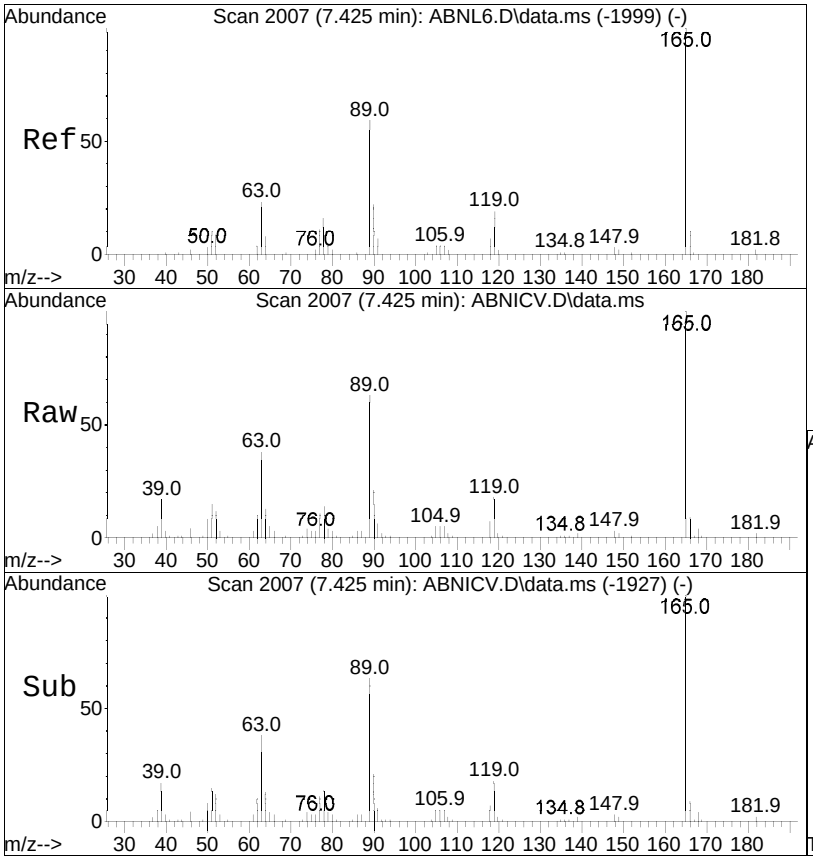


#69
Dibenzofuran
Concen: 4.45 ug/ml
RT: 7.409 min Scan# 2002
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 160445

Ion	Ratio	Lower	Upper
168	100		
139	45.7	31.4	47.2

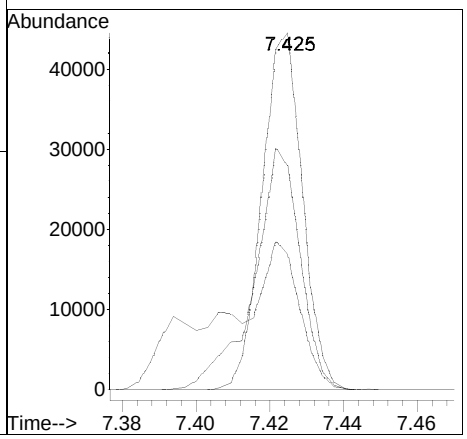


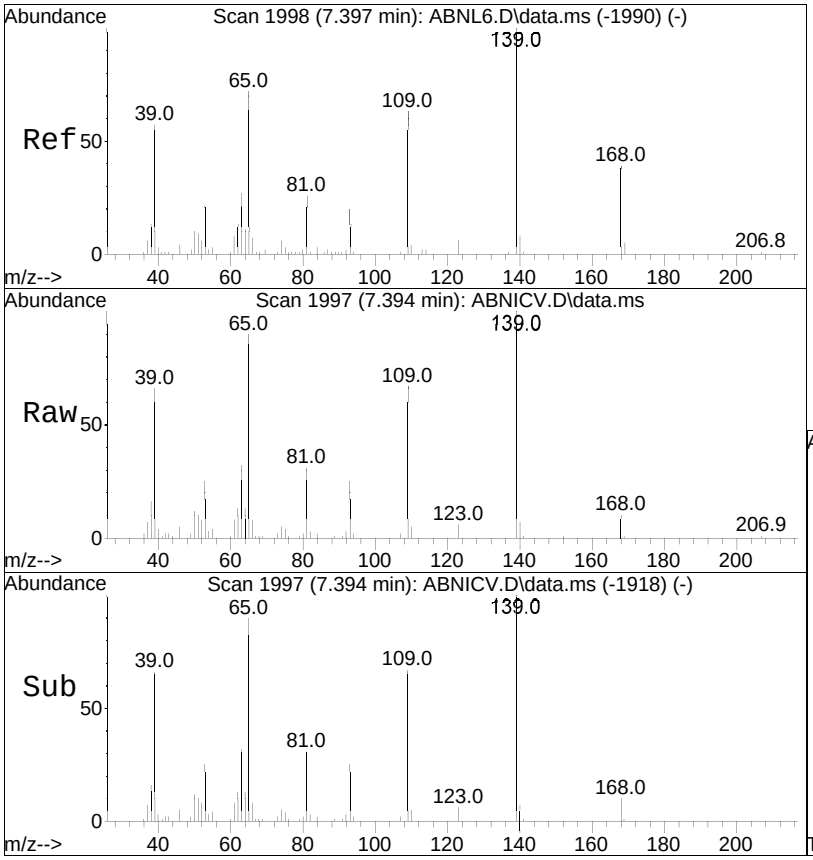


#70
2,4-Dinitrotoluene
Concen: 4.84 ug/ml
RT: 7.425 min Scan# 2007
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

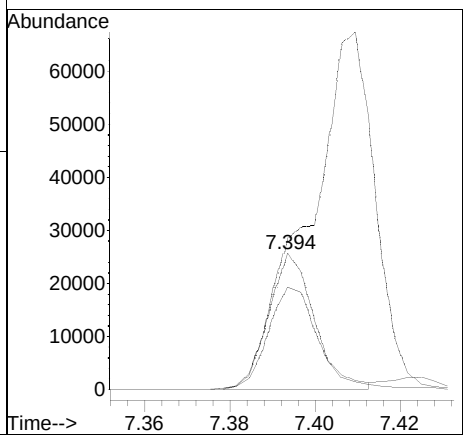


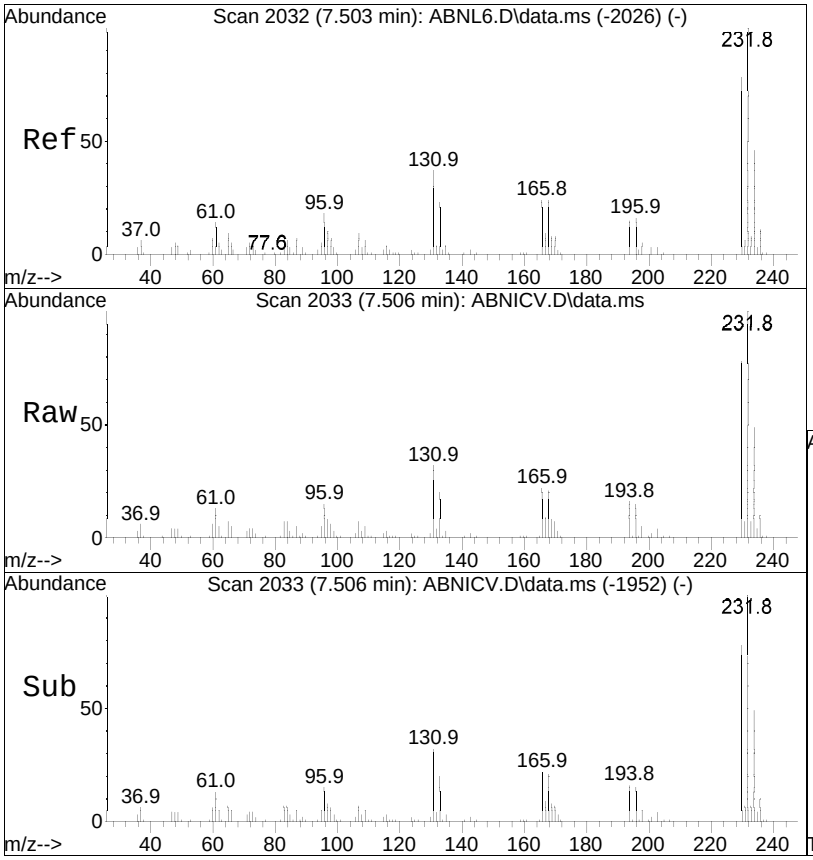


#71
4-Nitrophenol
Concen: 4.67 ug/ml
RT: 7.394 min Scan# 1997
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

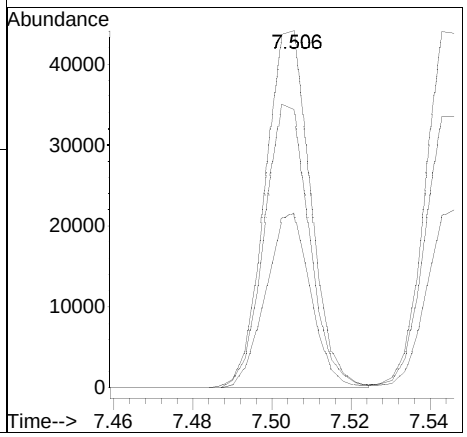


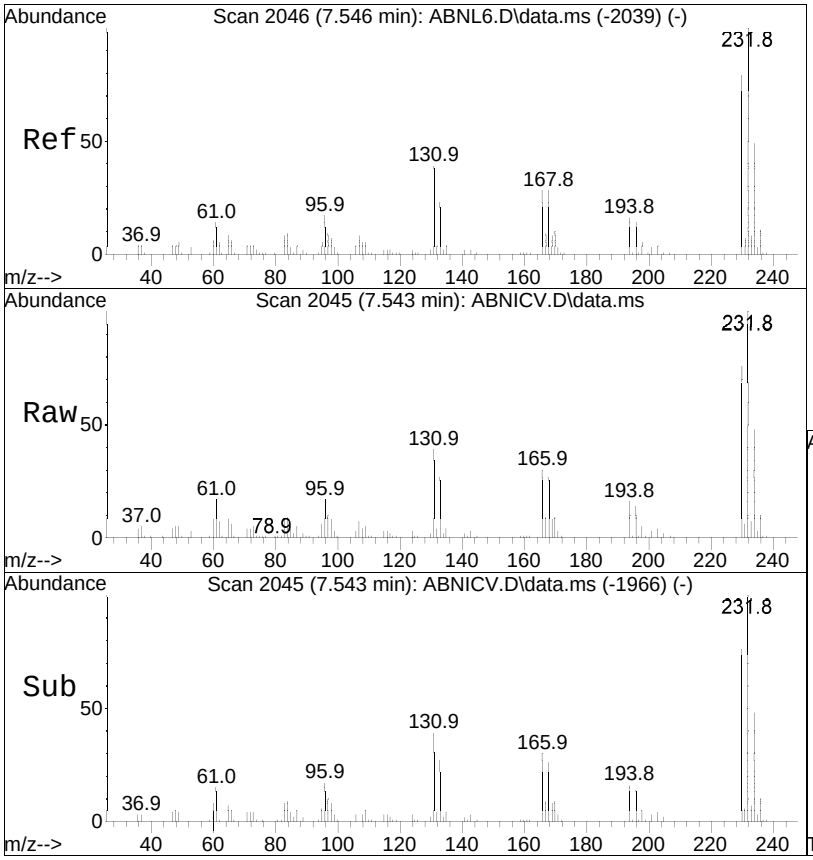


#72
2,3,5,6-Tetrachlorophenol
Concen: 4.52 ug/ml
RT: 7.506 min Scan# 2033
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

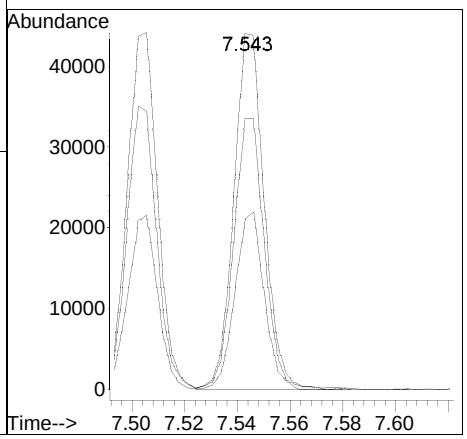


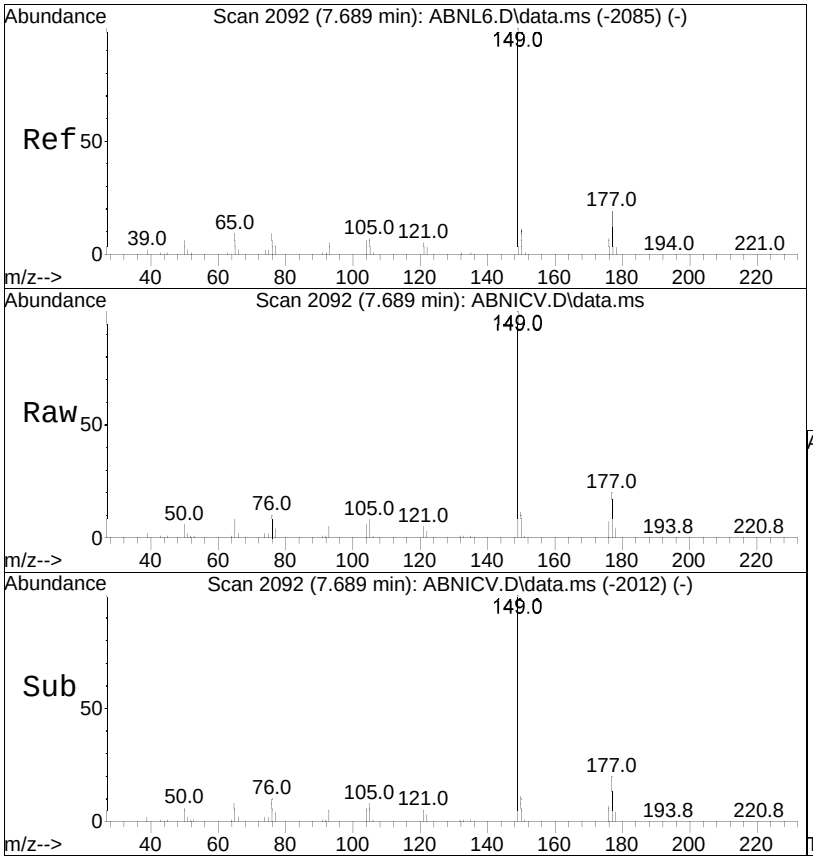


#73
2,3,4,6-Tetrachlorophenol
Concen: 4.63 ug/ml
RT: 7.543 min Scan# 2045
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

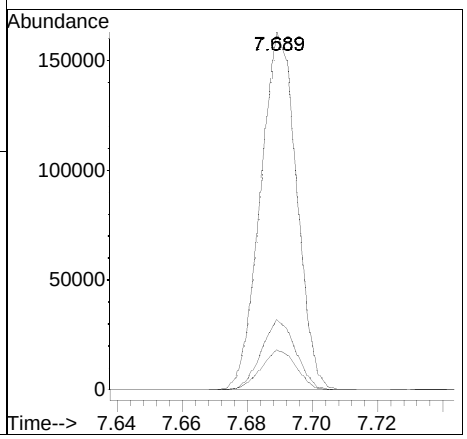


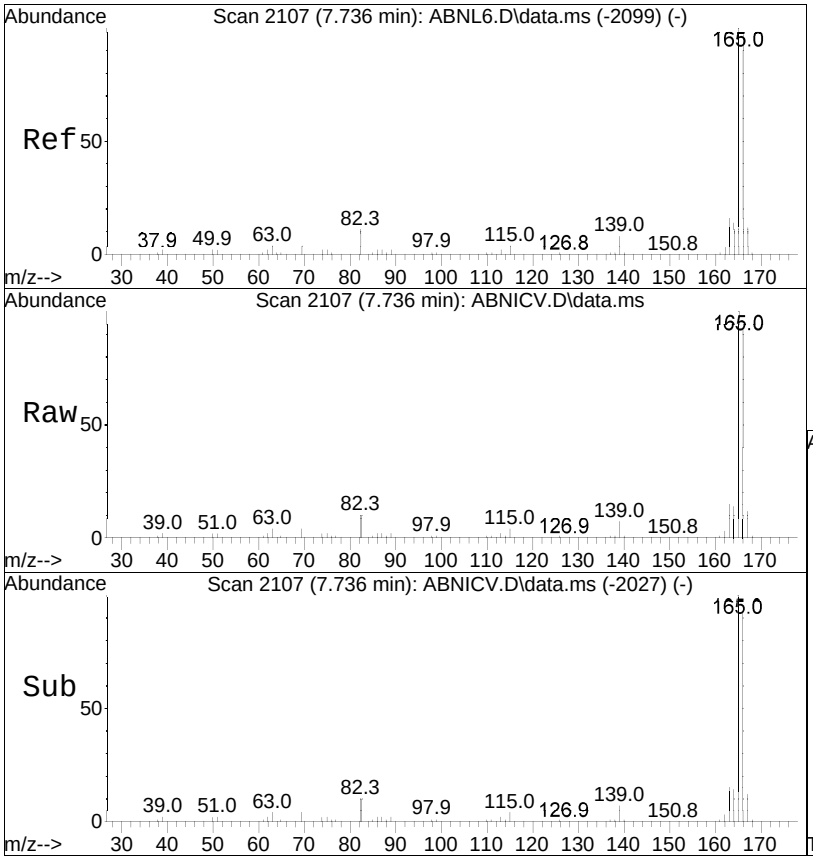


#74
Diethyl phthalate
Concen: 4.38 ug/ml
RT: 7.689 min Scan# 2092
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

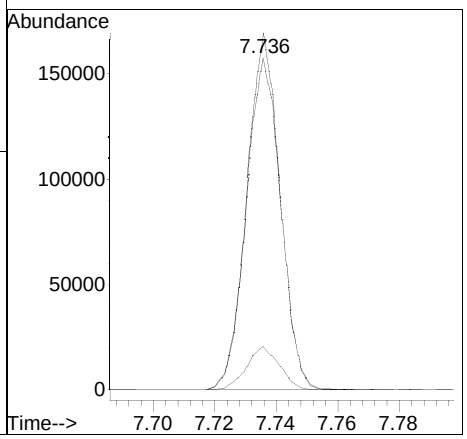


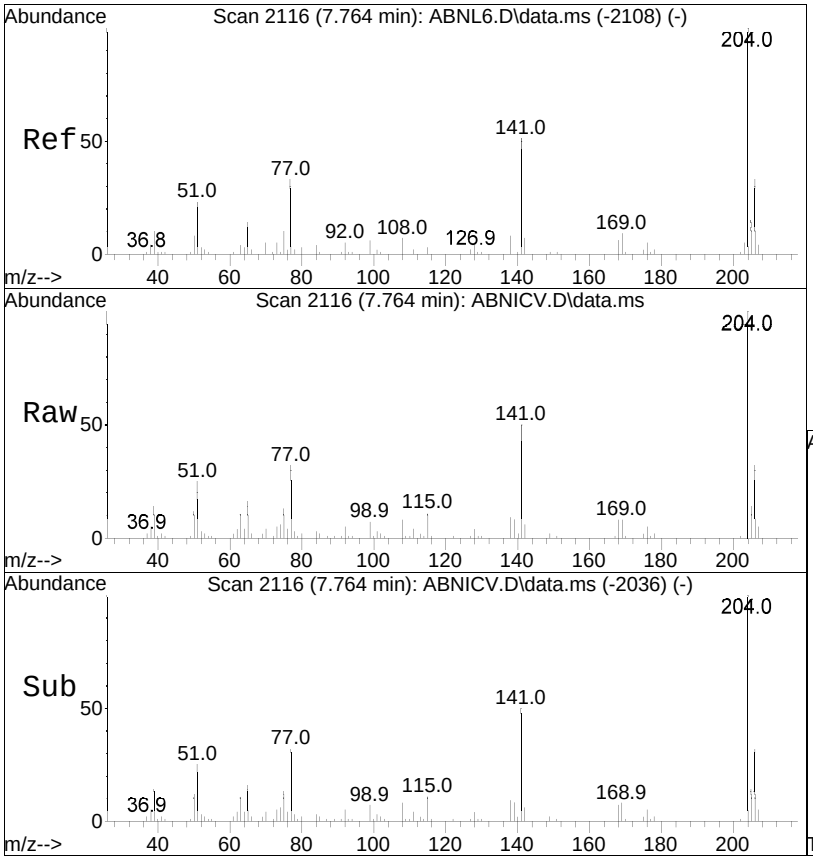


#75
Fluorene
Concen: 4.42 ug/ml
RT: 7.736 min Scan# 2107
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

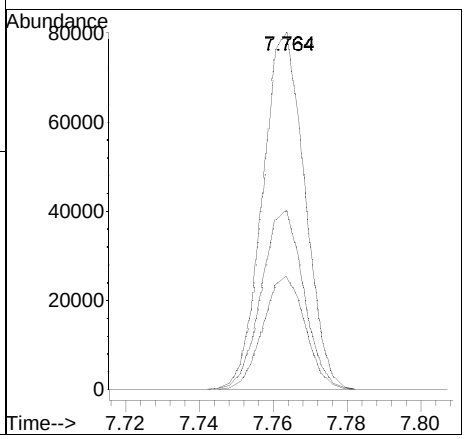


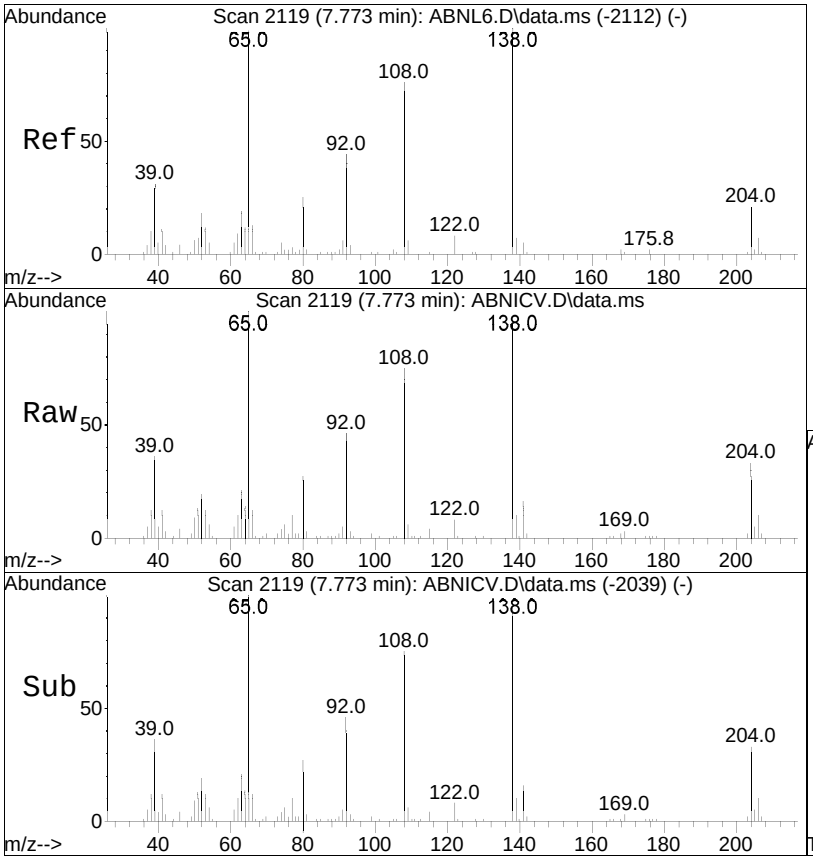


#76
4-Chlorophenyl phenyl ether
Concen: 4.43 ug/ml
RT: 7.764 min Scan# 2116
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

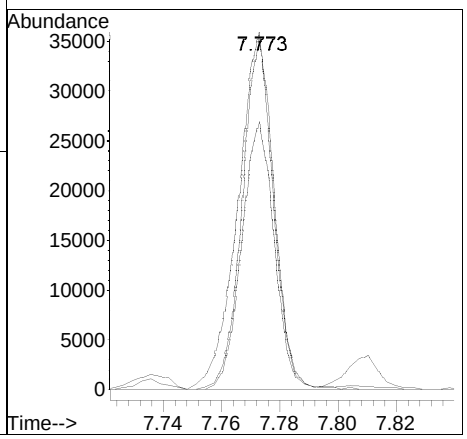


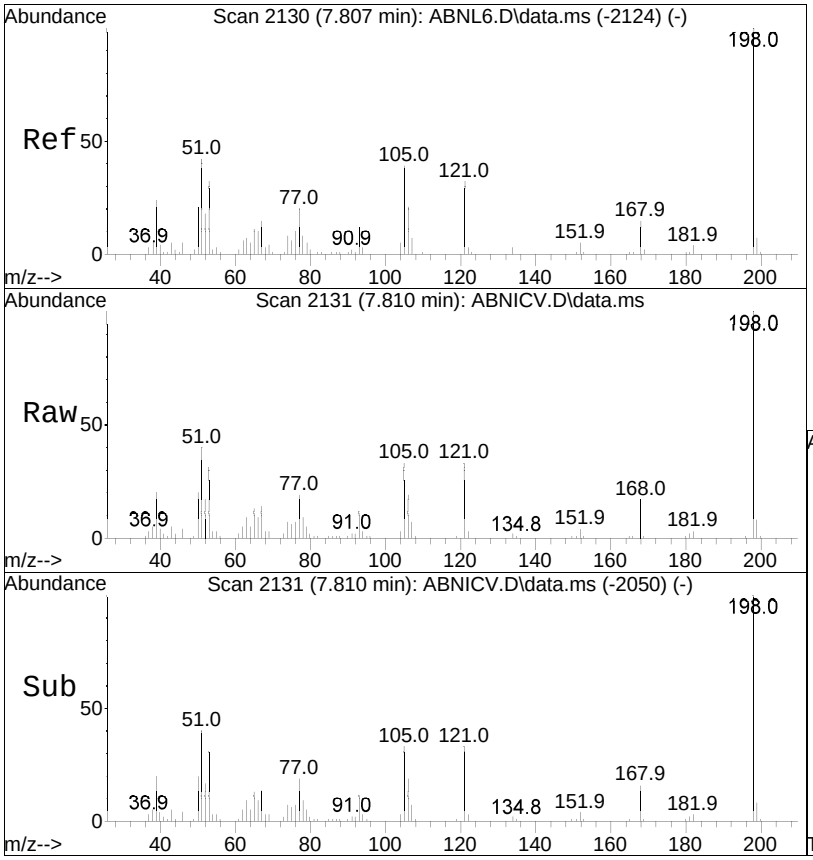


#77
4-Nitroaniline
Concen: 5.02 ug/ml
RT: 7.773 min Scan# 2119
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

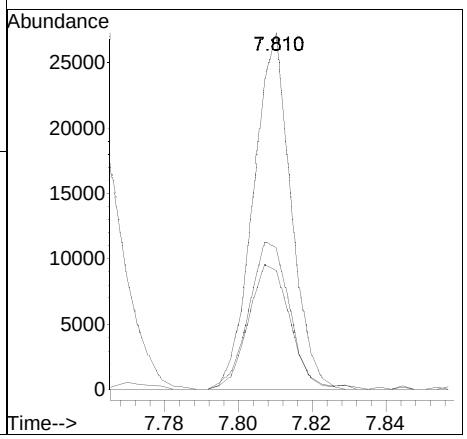


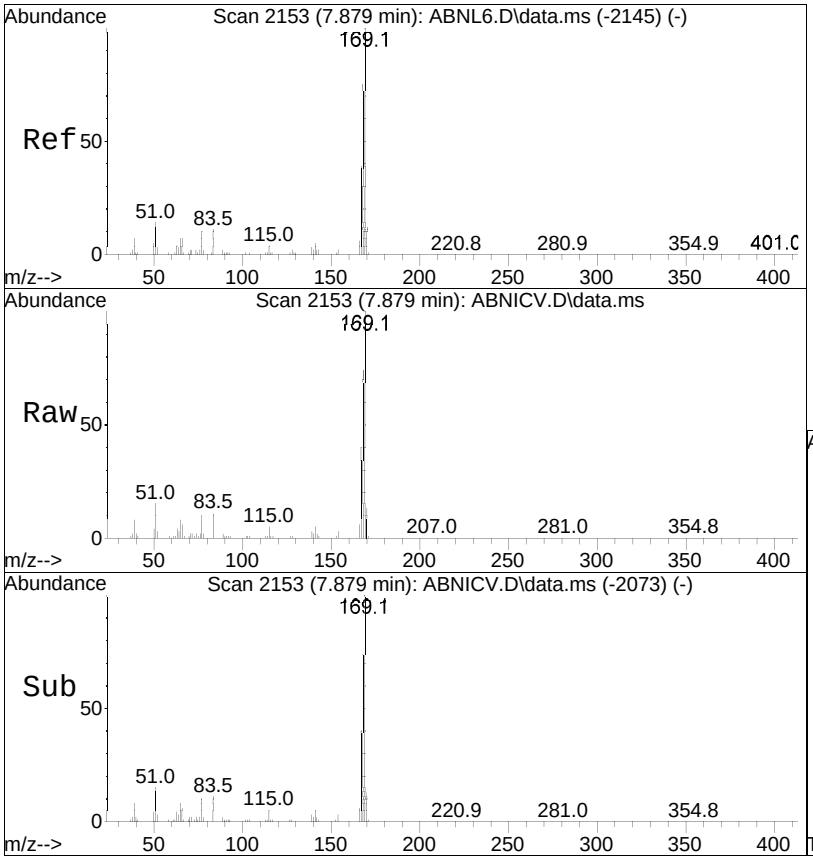


#78
4,6-Dinitro-o-cresol
Concen: 4.61 ug/ml
RT: 7.810 min Scan# 2131
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

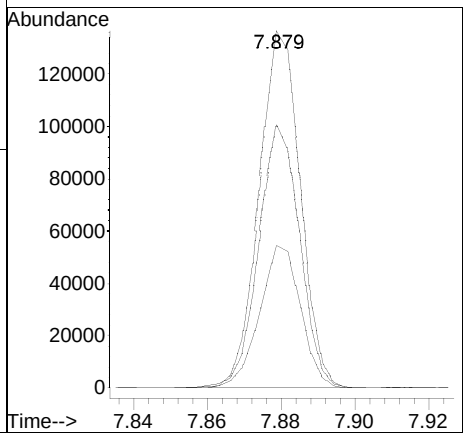


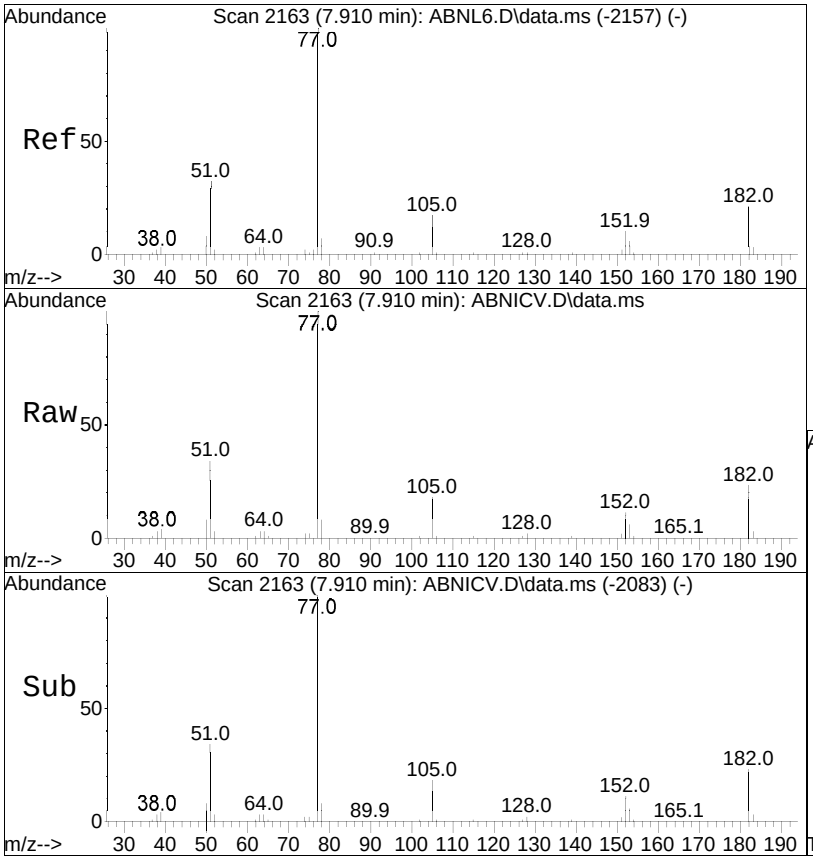


#79
NDPA/DPA
Concen: 4.40 ug/ml
RT: 7.879 min Scan# 2153
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

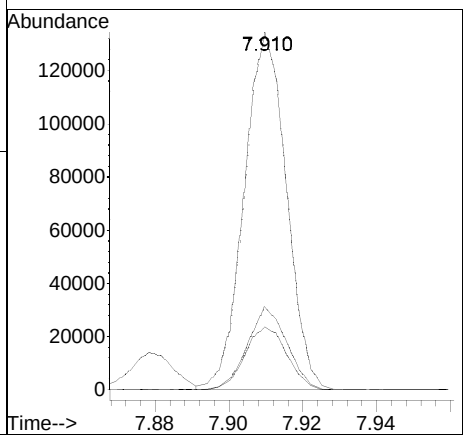


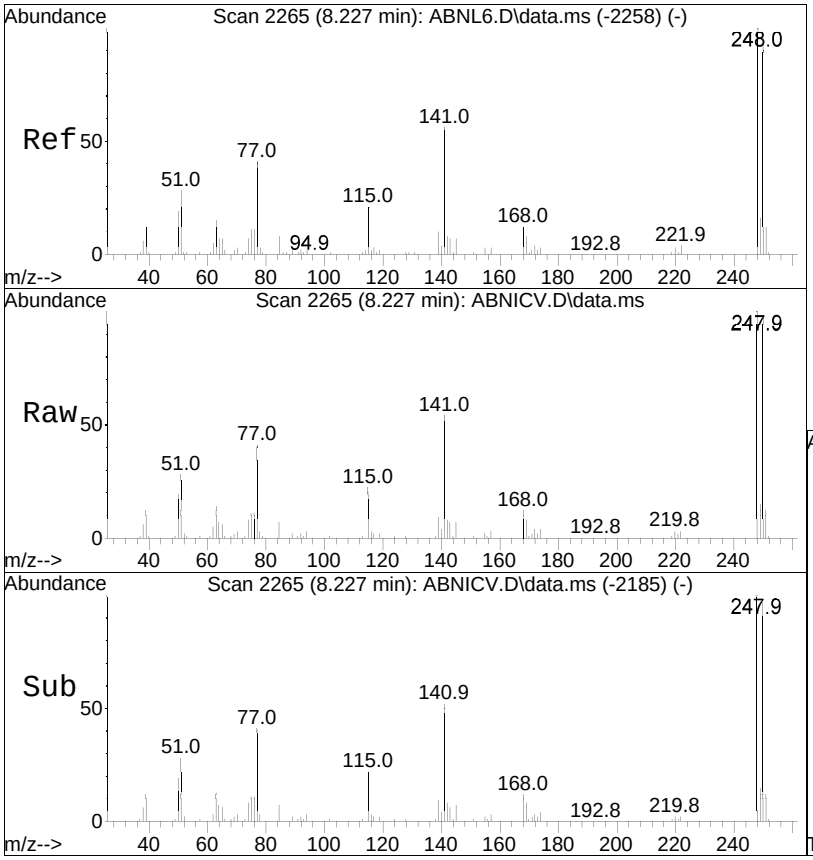


#80
Azobenzene
Concen: 4.60 ug/ml
RT: 7.910 min Scan# 2163
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

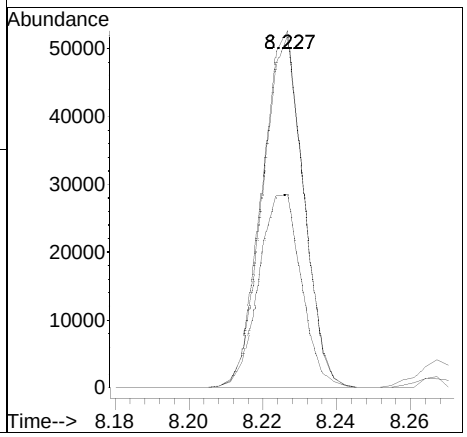


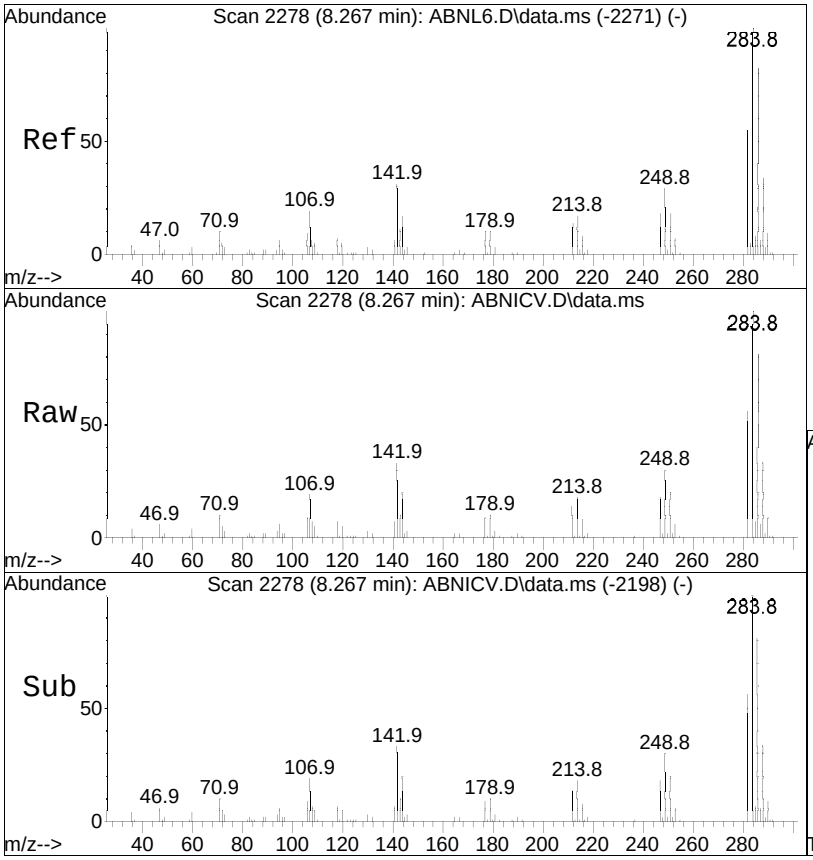


#82
4-Bromophenyl phenyl ether
Concen: 4.36 ug/ml
RT: 8.227 min Scan# 2265
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

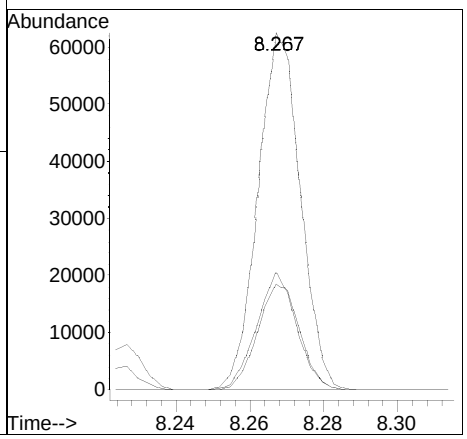


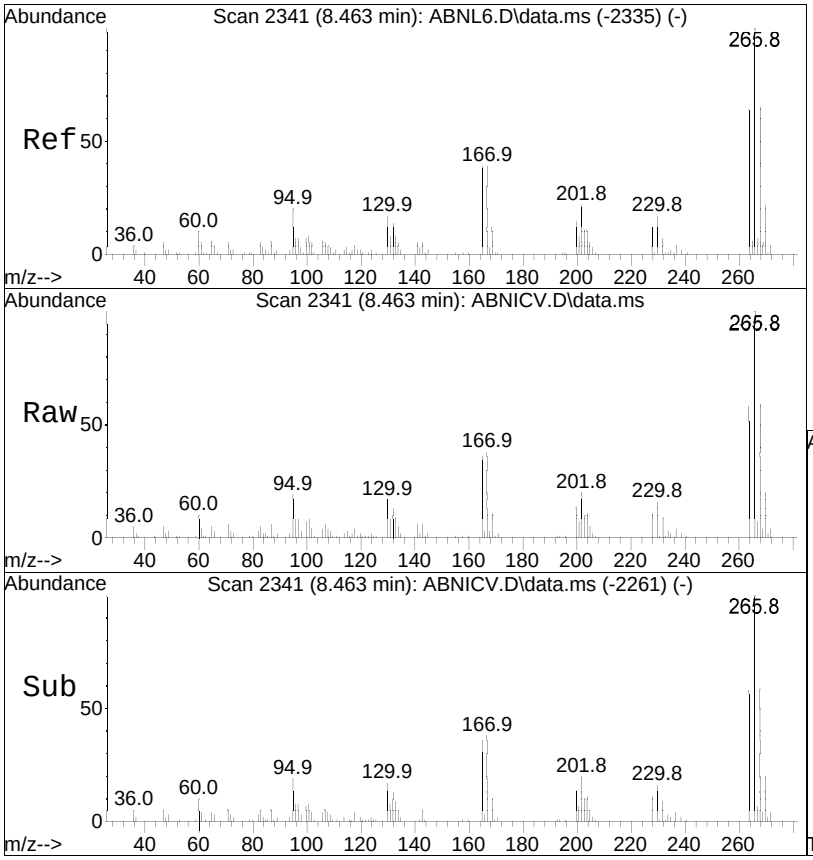


#83
Hexachlorobenzene
Concen: 4.21 ug/ml
RT: 8.267 min Scan# 2278
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

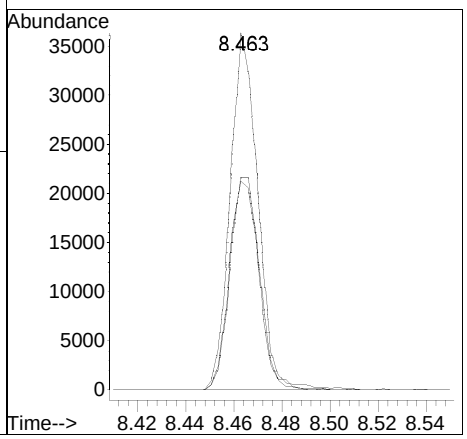


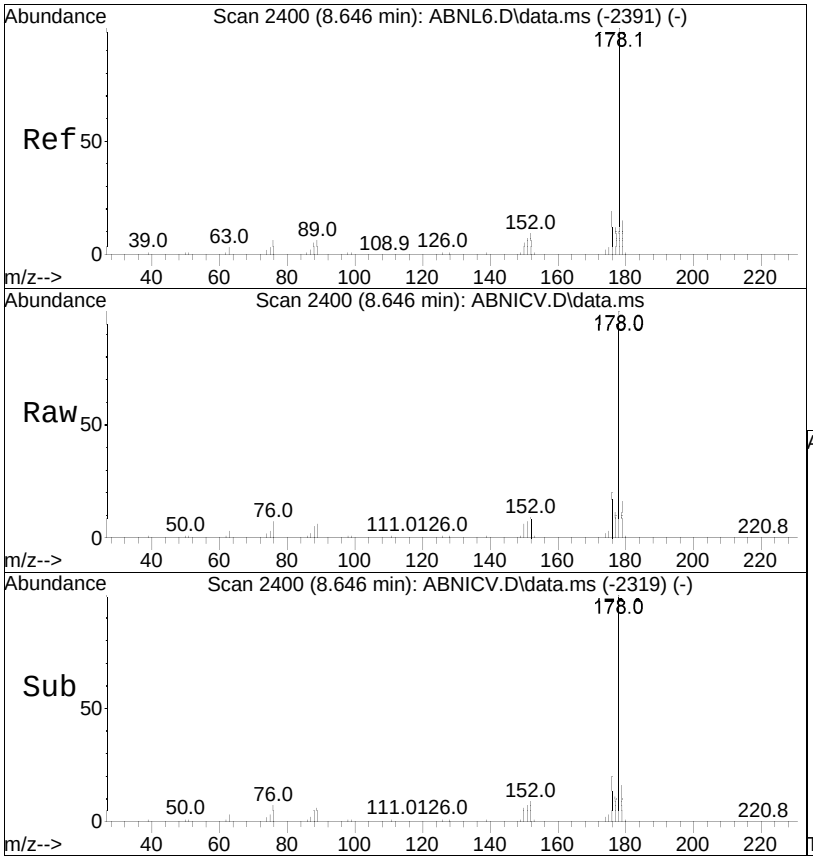


#84
Pentachlorophenol
Concen: 4.55 ug/ml
RT: 8.463 min Scan# 2341
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

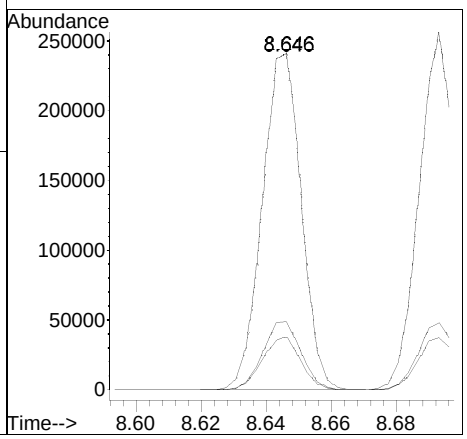


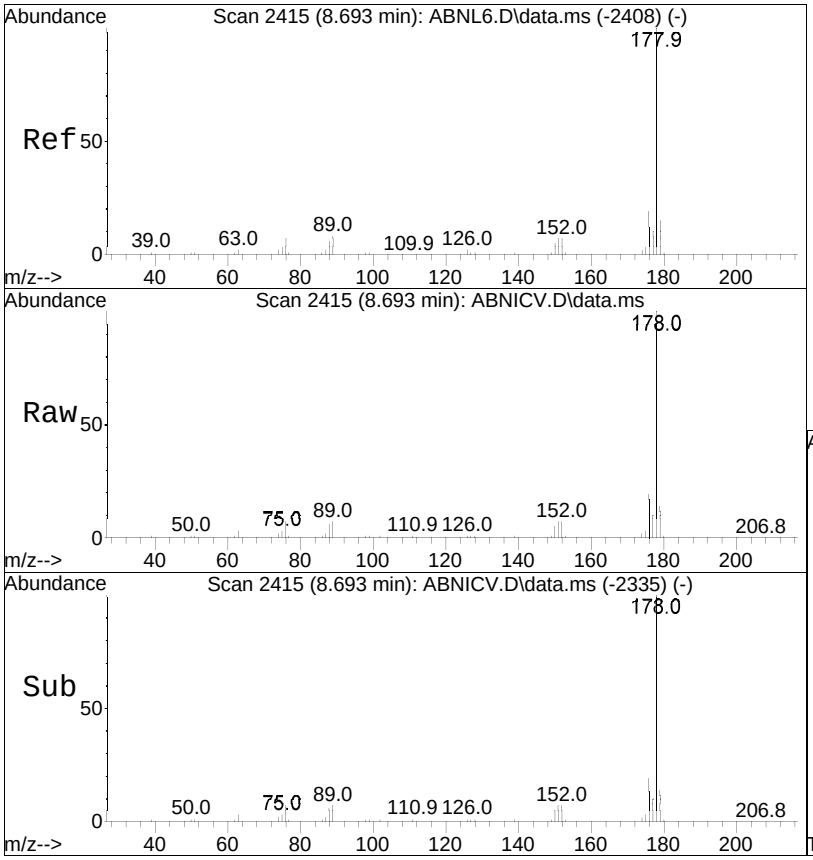


#91
Phenanthrene
Concen: 4.41 ug/ml
RT: 8.646 min Scan# 2400
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

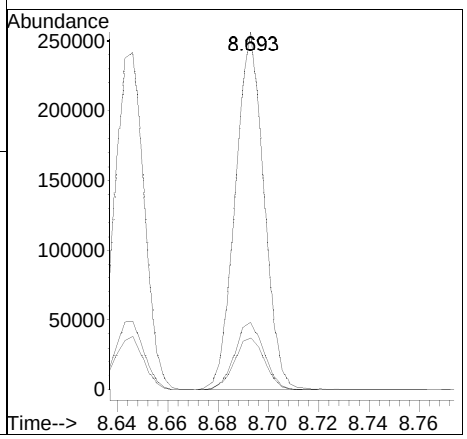


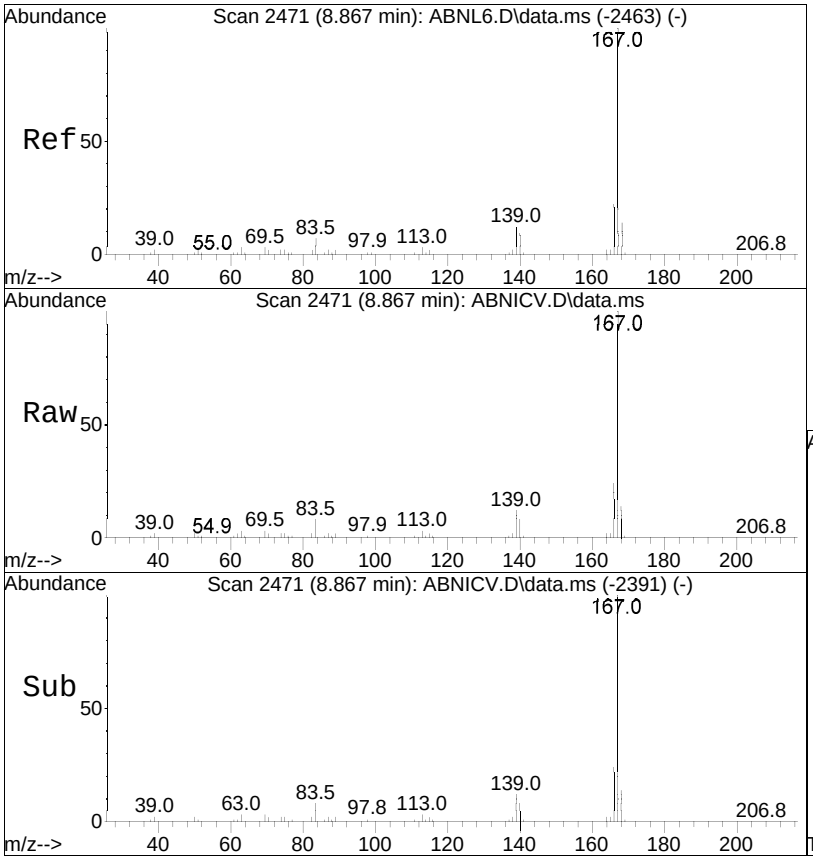


#92
Anthracene
Concen: 4.57 ug/ml
RT: 8.693 min Scan# 2415
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

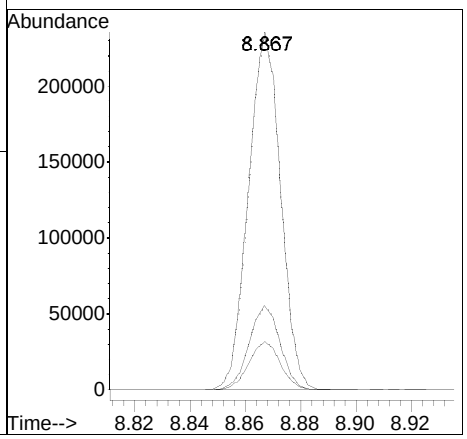


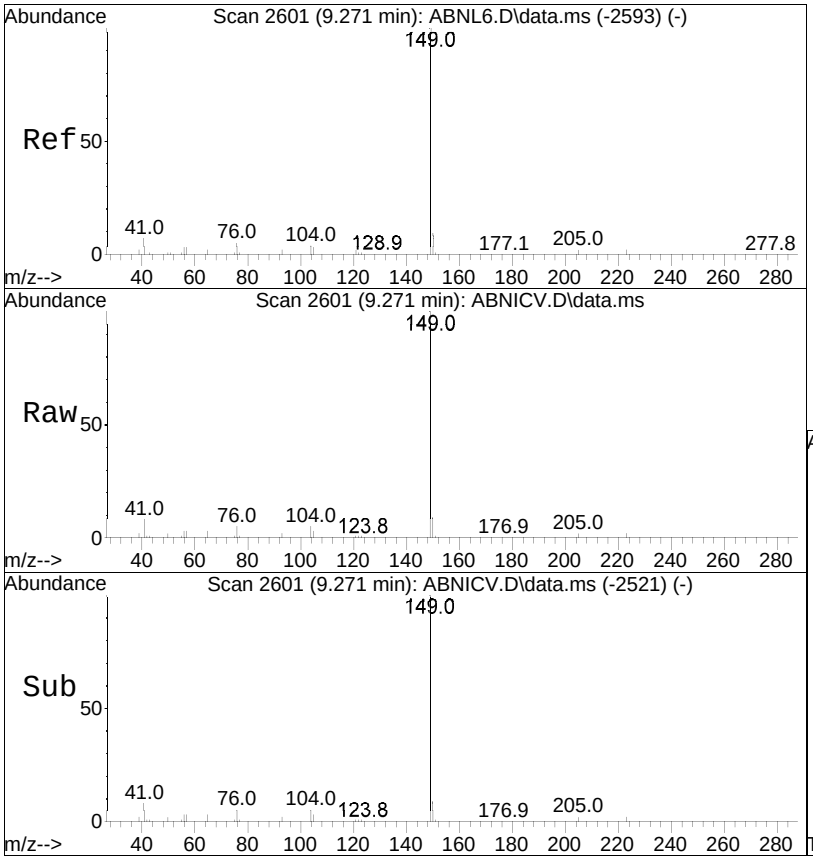


#93
Carbazole
Concen: 4.61 ug/ml
RT: 8.867 min Scan# 2471
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

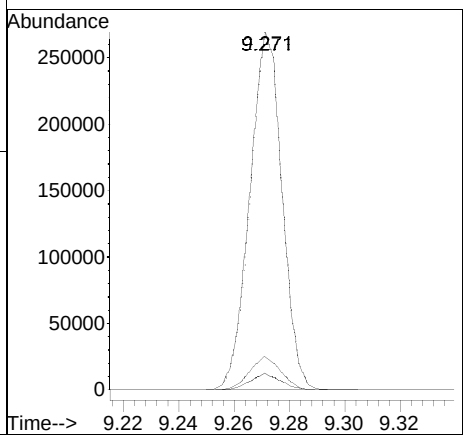


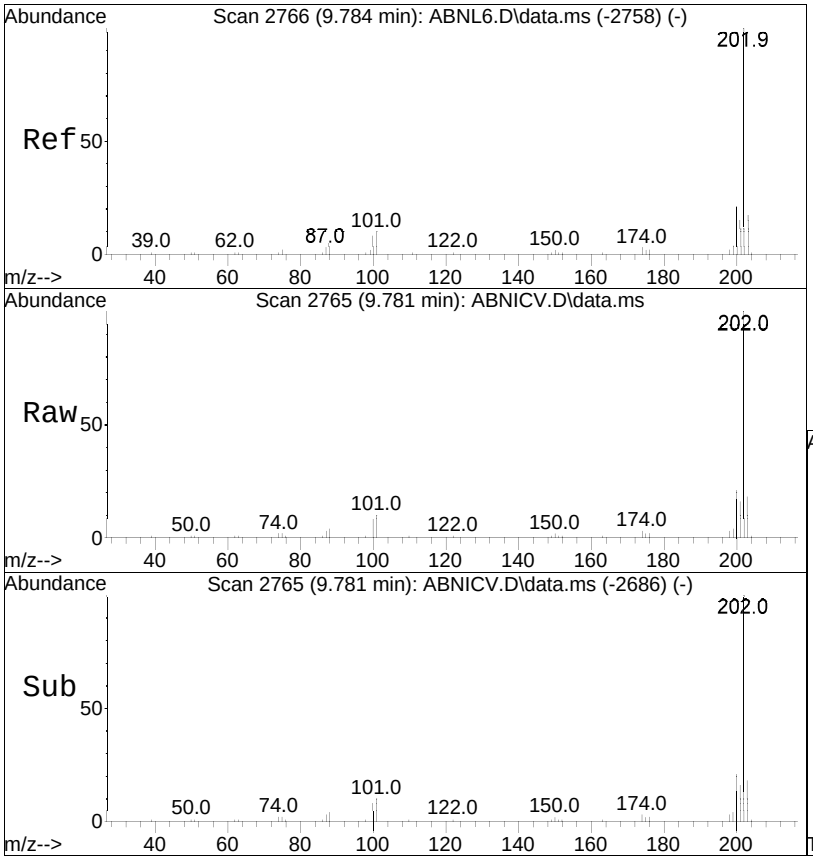


#94
Di-n-butylphthalate
Concen: 4.64 ug/ml
RT: 9.271 min Scan# 2601
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

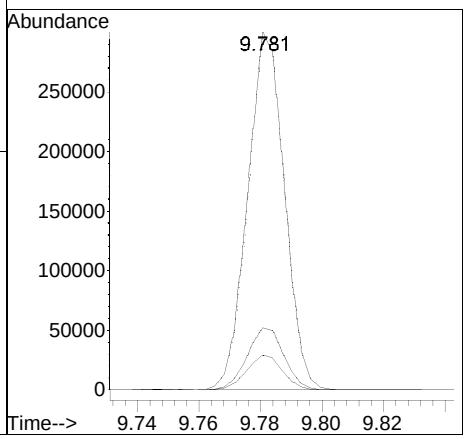


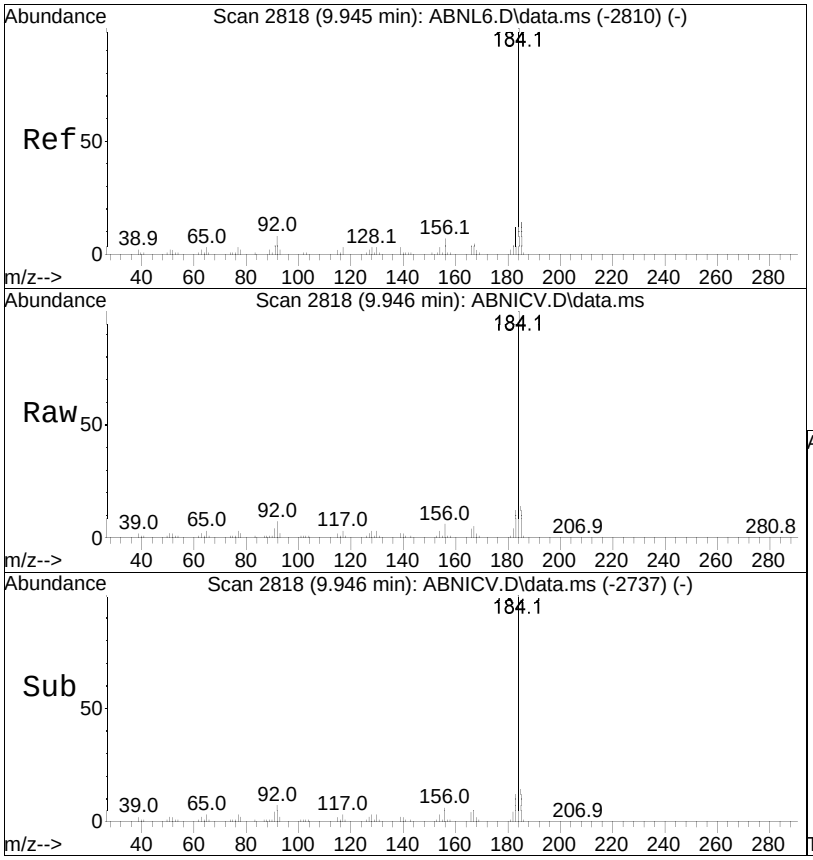


#95
Fluoranthene
Concen: 4.53 ug/ml
RT: 9.781 min Scan# 2765
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

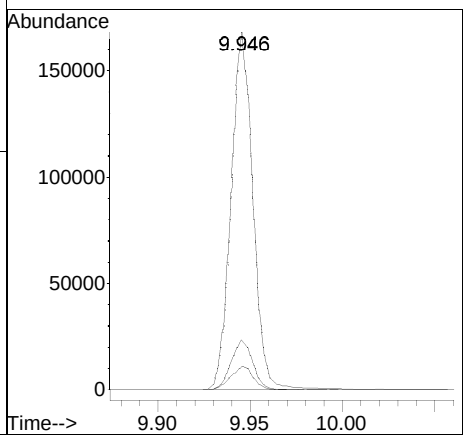


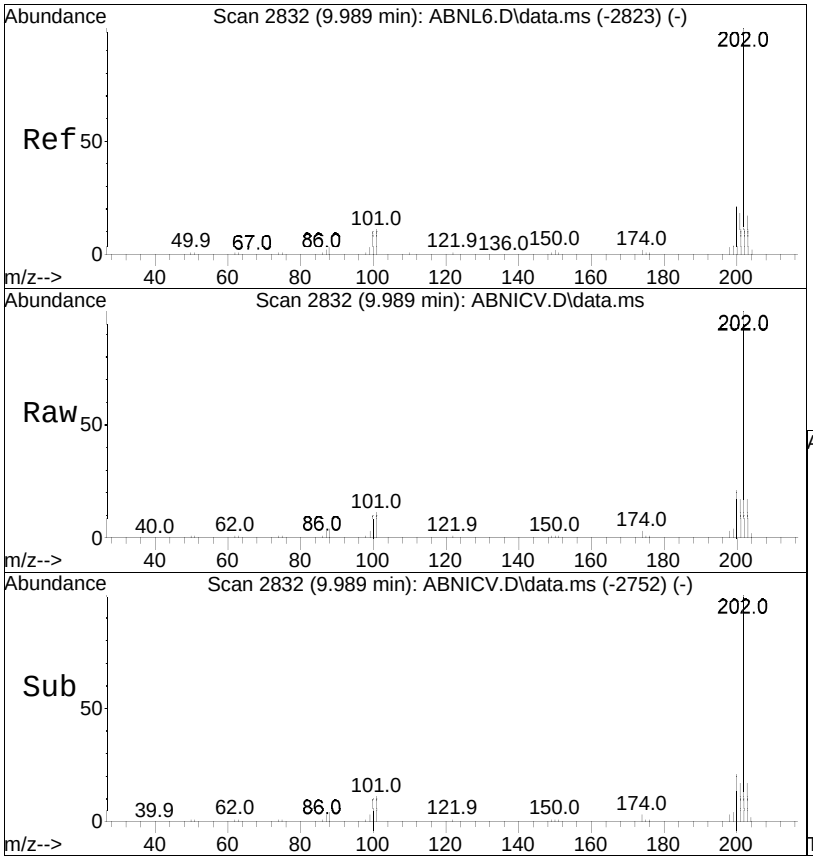


#96
Benzidine
Concen: 4.63 ug/ml
RT: 9.946 min Scan# 2818
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

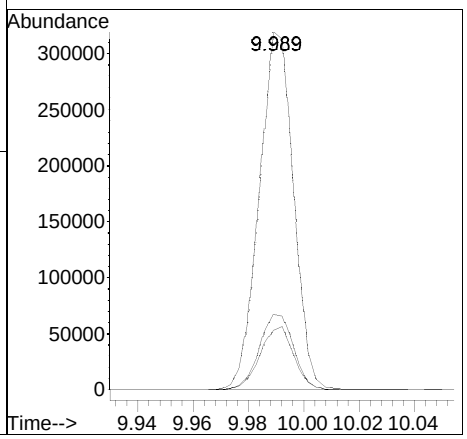


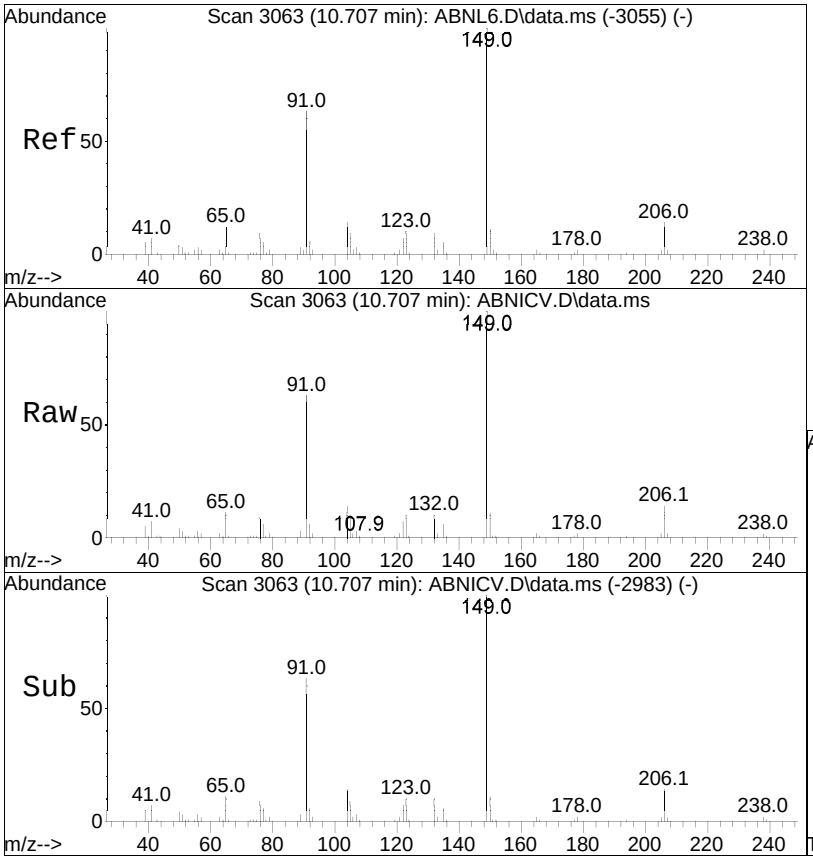


#97
Pyrene
Concen: 4.67 ug/ml
RT: 9.989 min Scan# 2832
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

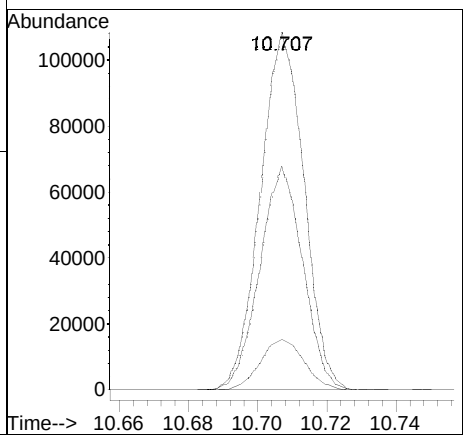


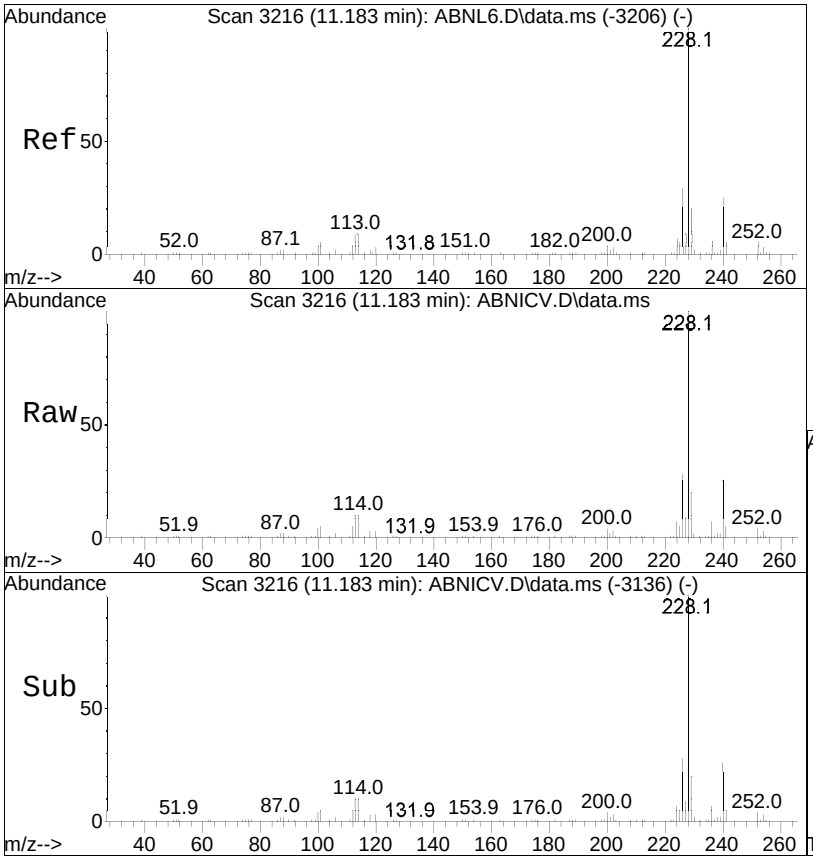


#99
Butyl benzyl phthalate
Concen: 4.75 ug/ml
RT: 10.707 min Scan# 3063
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

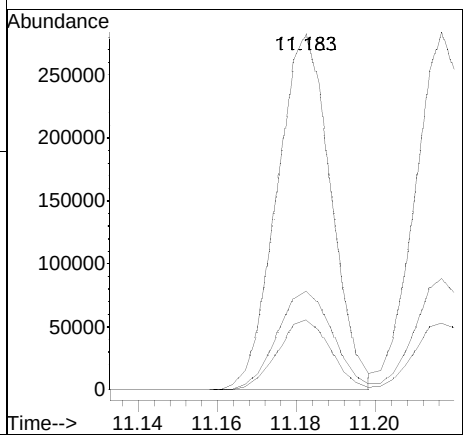


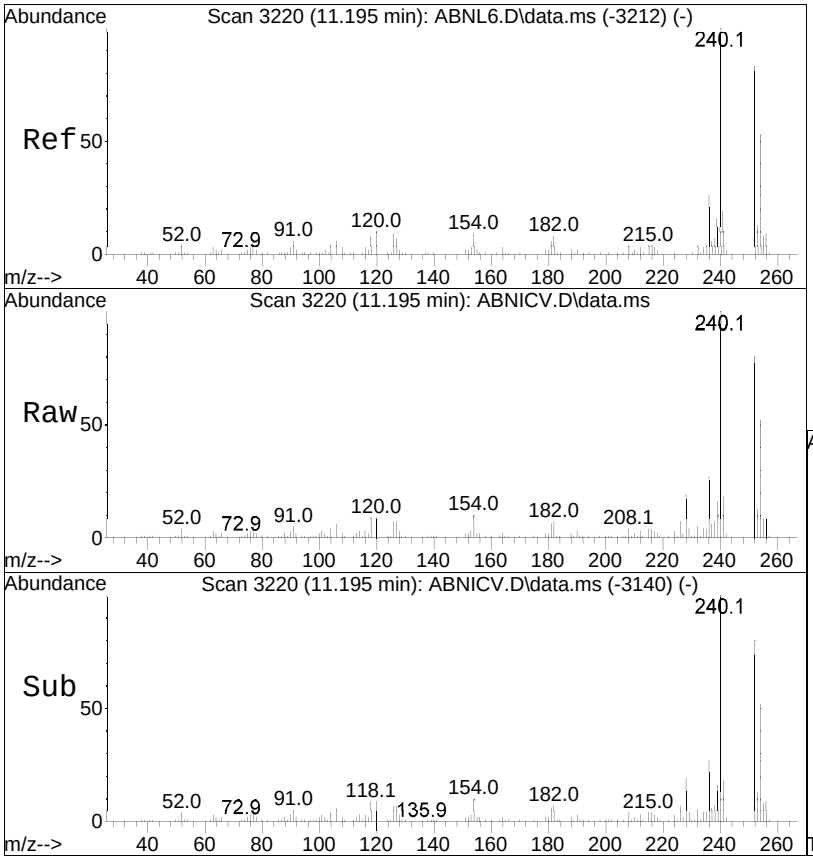


#107
Benzo(a)anthracene
Concen: 4.44 ug/ml
RT: 11.183 min Scan# 3216
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

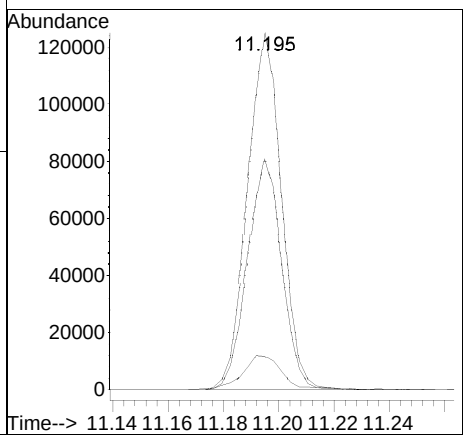


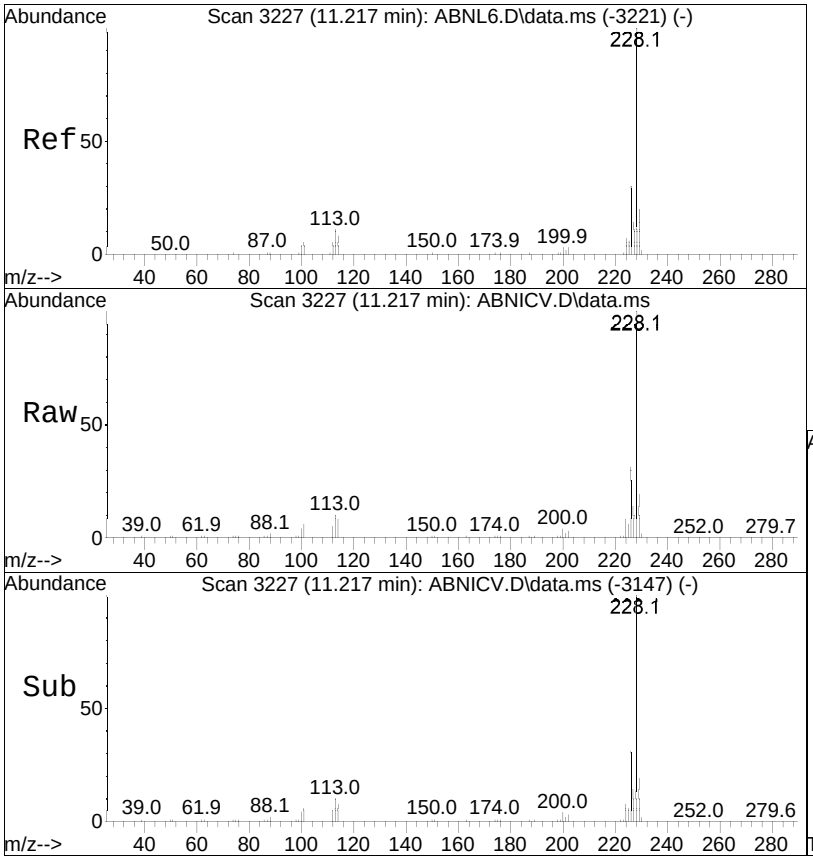


#108
3,3'-Dichlorobenzidine
Concen: 4.76 ug/ml
RT: 11.195 min Scan# 3220
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

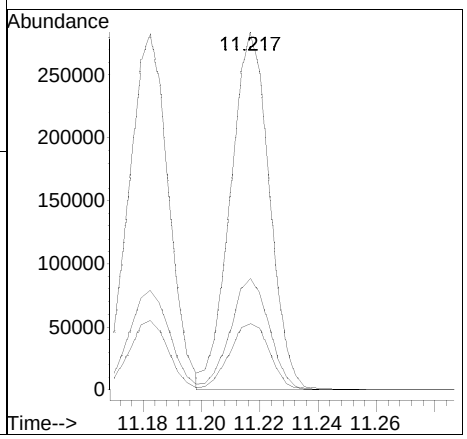


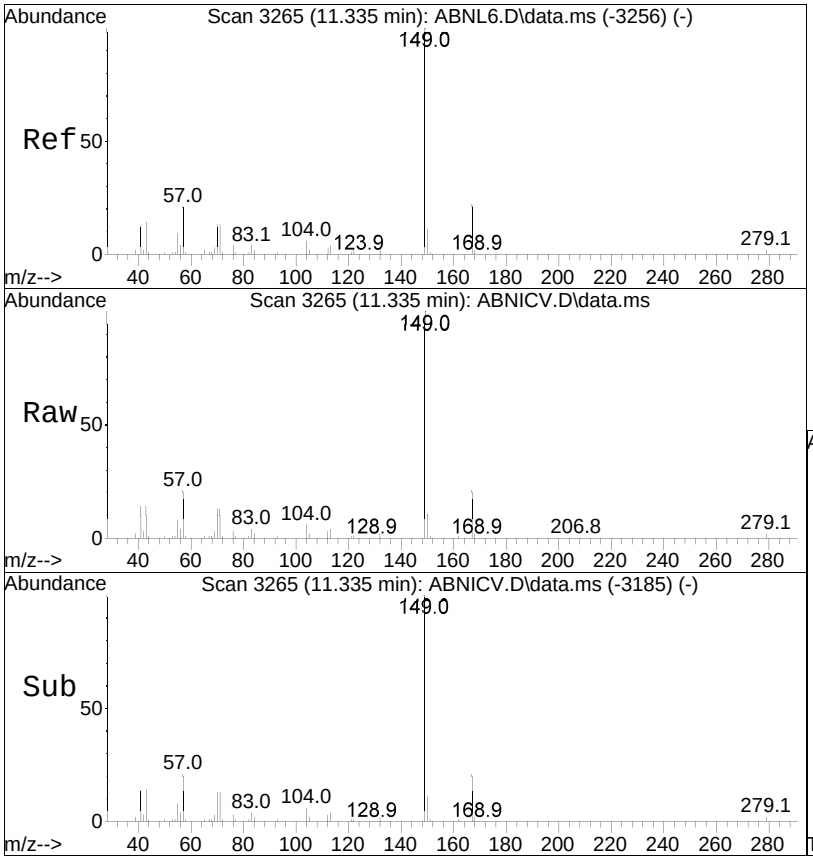


#109
Chrysene
Concen: 4.40 ug/ml
RT: 11.217 min Scan# 3227
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

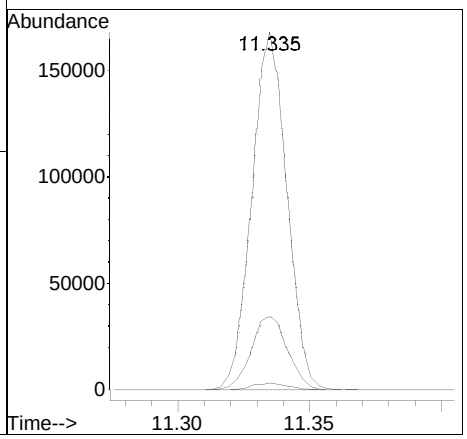


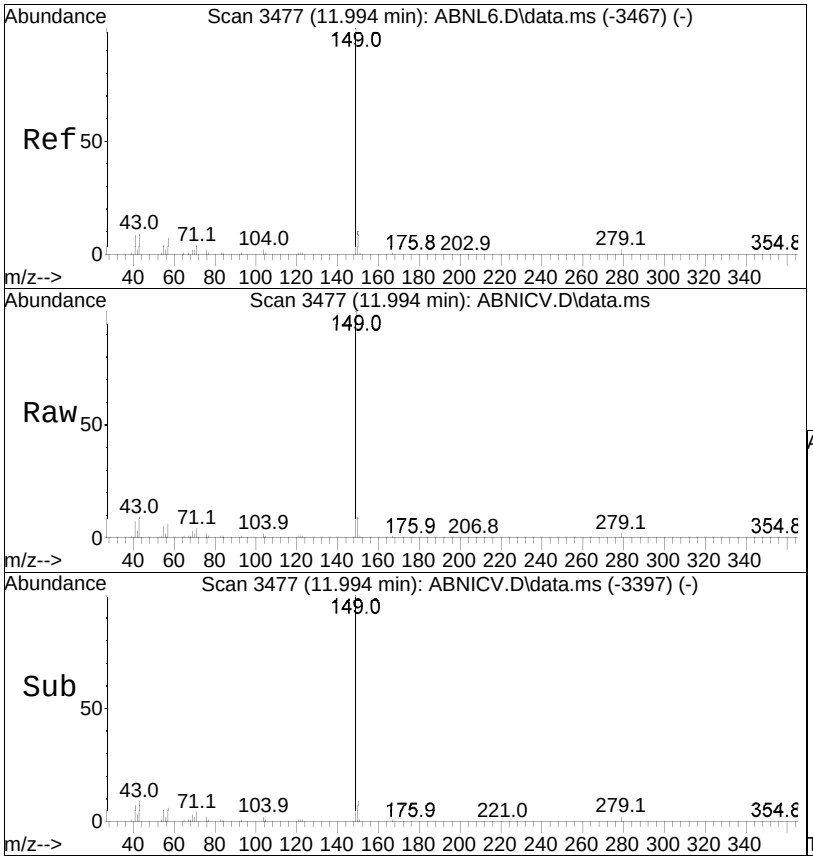


#110
Bis(2-ethylhexyl)phthalate
Concen: 4.74 ug/ml
RT: 11.335 min Scan# 3265
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

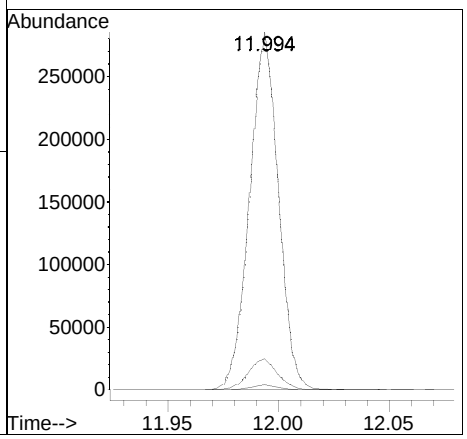


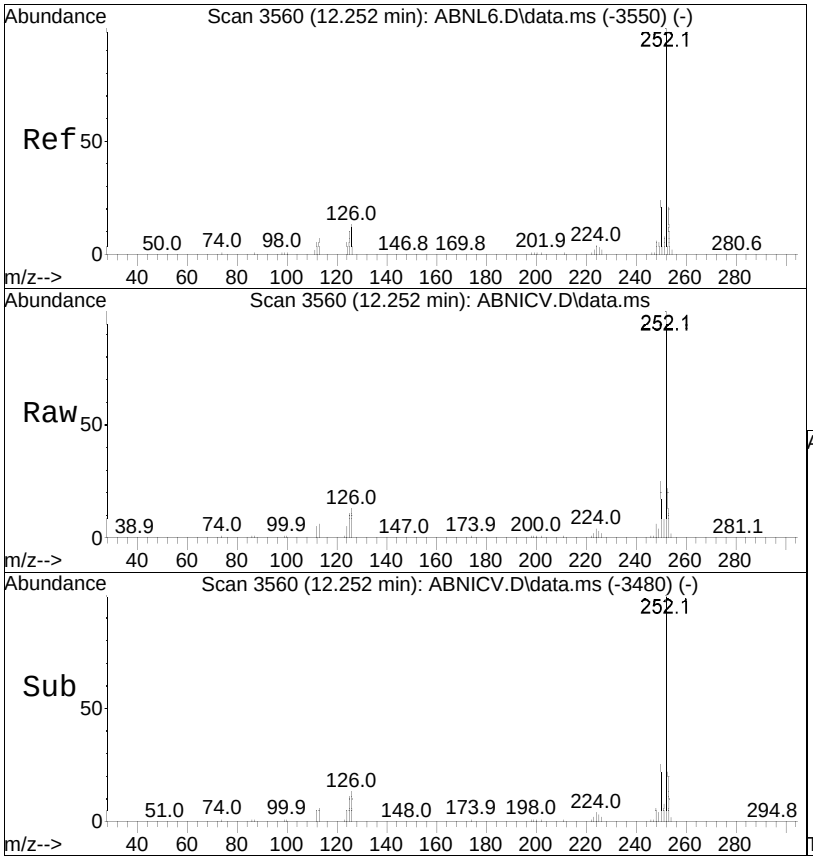


#111
Di-n-octylphthalate
Concen: 4.75 ug/ml
RT: 11.994 min Scan# 3477
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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#

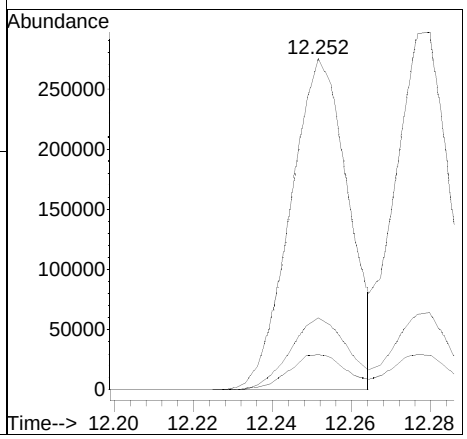


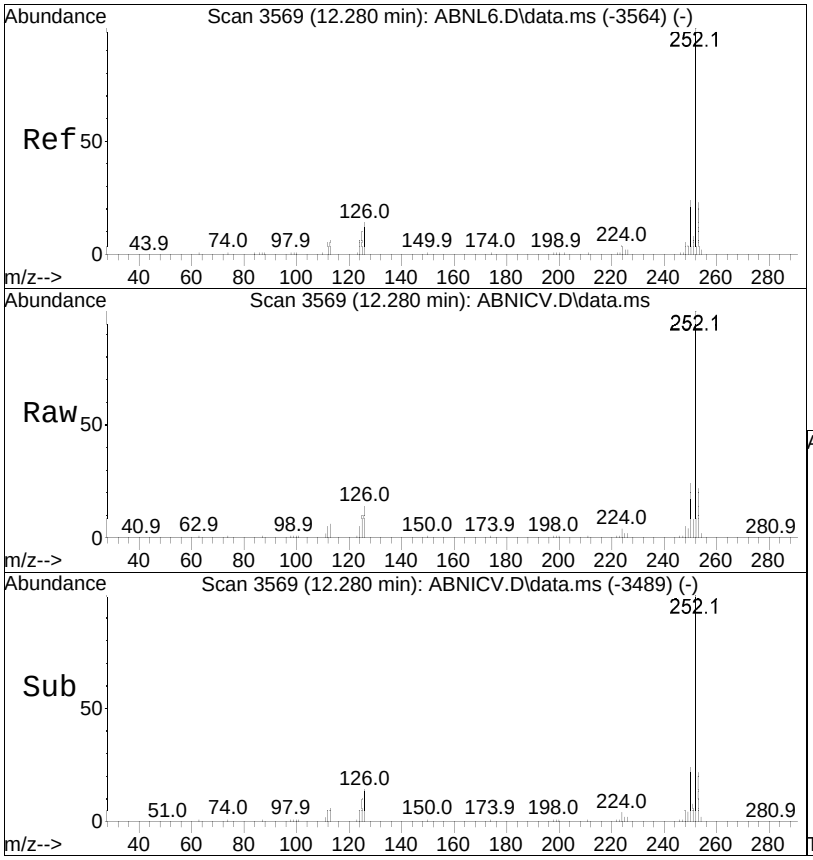


#112
Benzo(b)fluoranthene
Concen: 4.49 ug/ml
RT: 12.252 min Scan# 3560
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

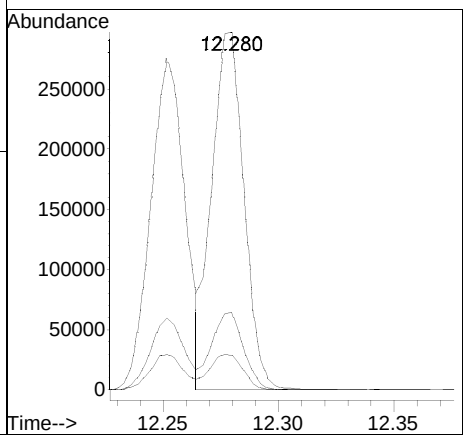


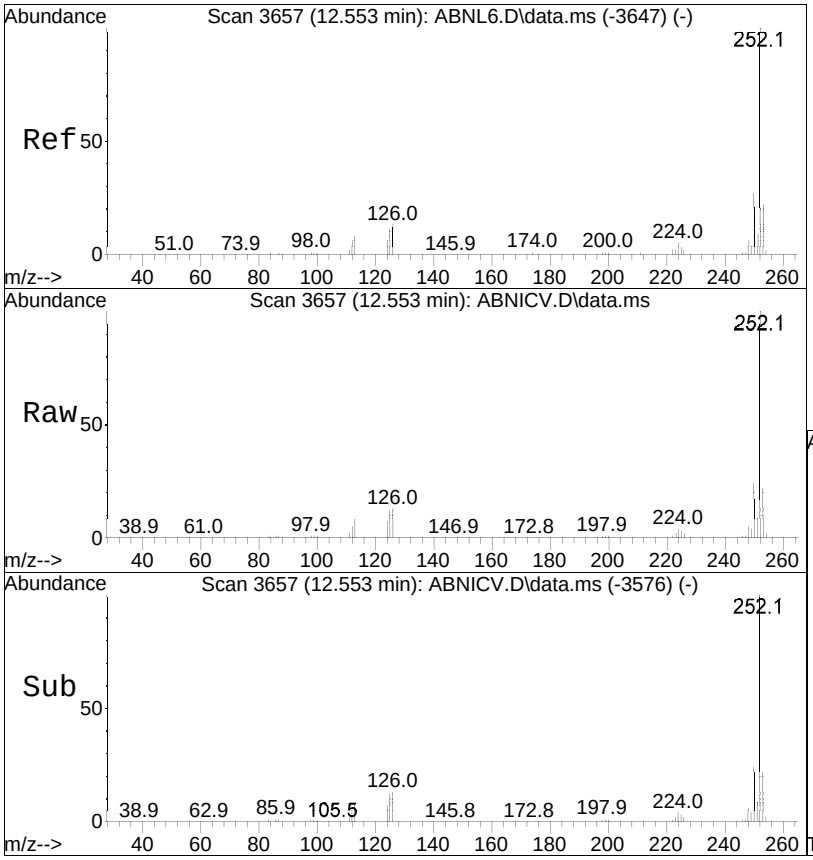


#113
Benzo(k)fluoranthene
Concen: 4.71 ug/ml
RT: 12.280 min Scan# 3569
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

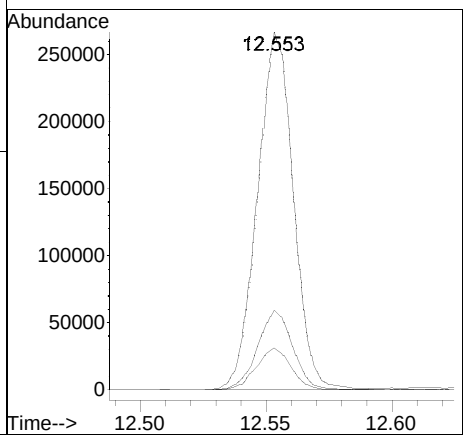


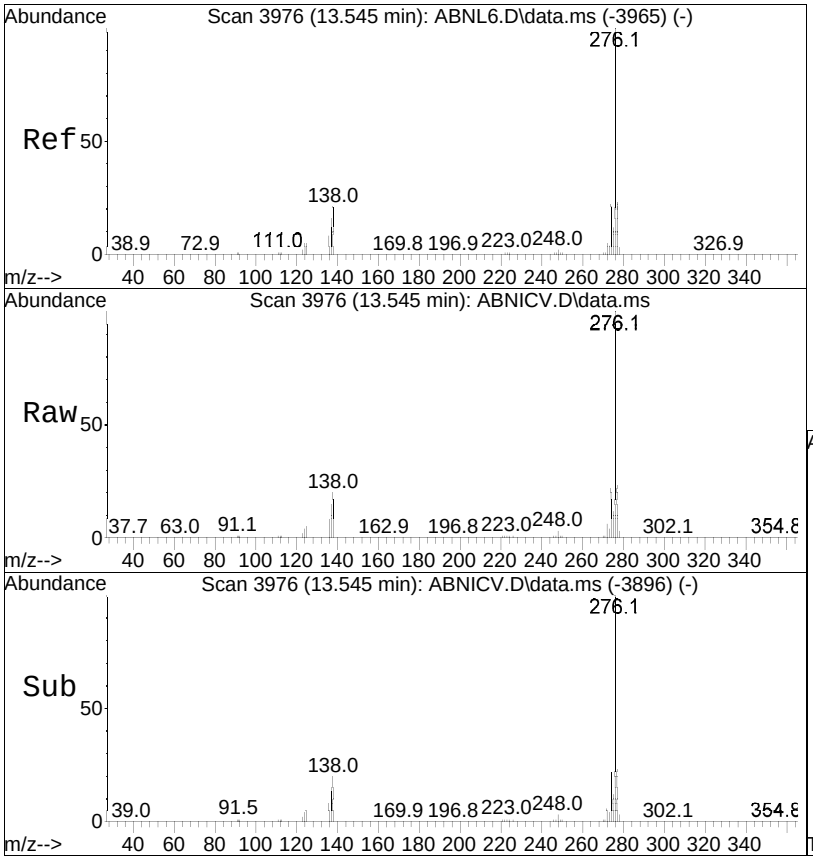


#114
Benzo(a)pyrene
Concen: 4.67 ug/ml
RT: 12.553 min Scan# 3657
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

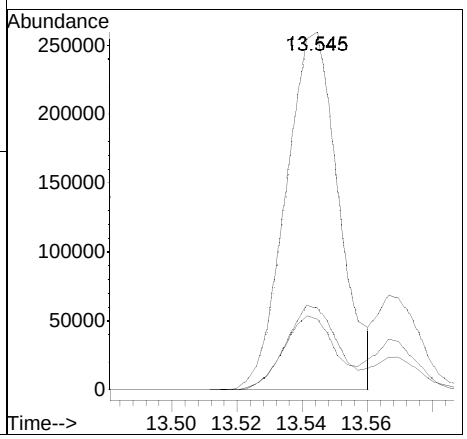


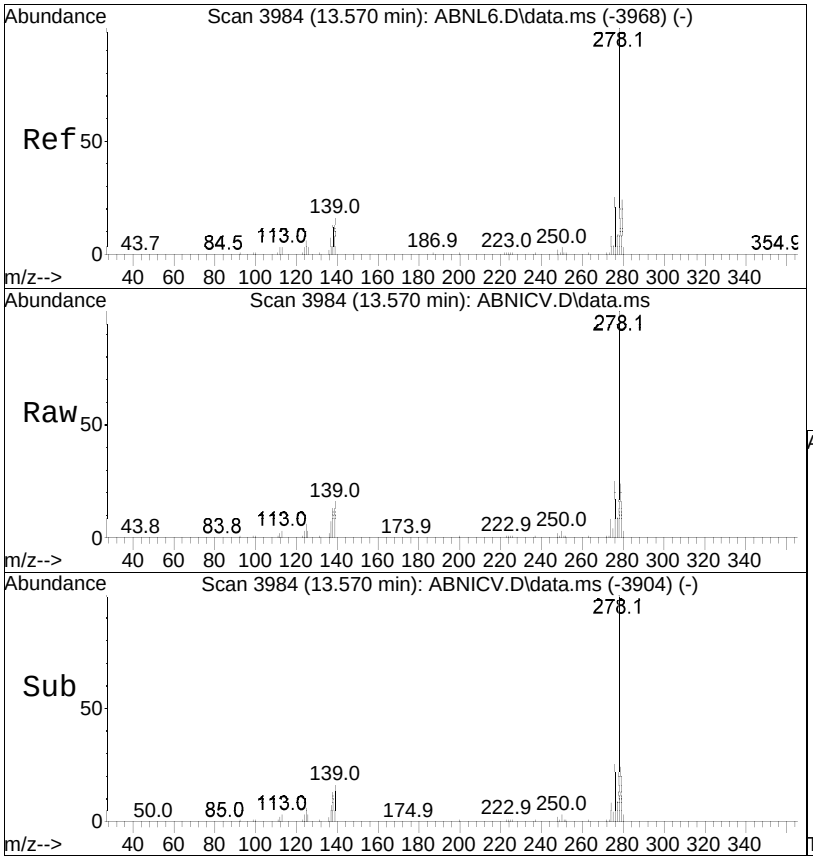


#116
Indeno(1,2,3-cd)pyrene
Concen: 4.58 ug/mL
RT: 13.545 min Scan# 3976
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

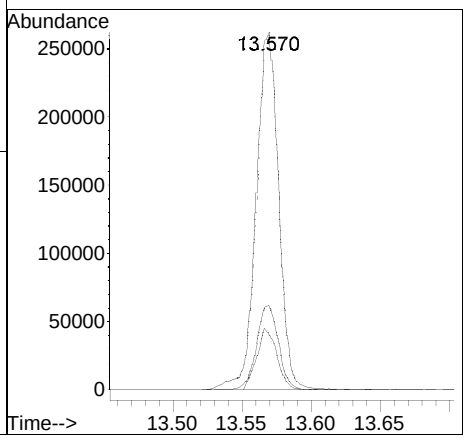


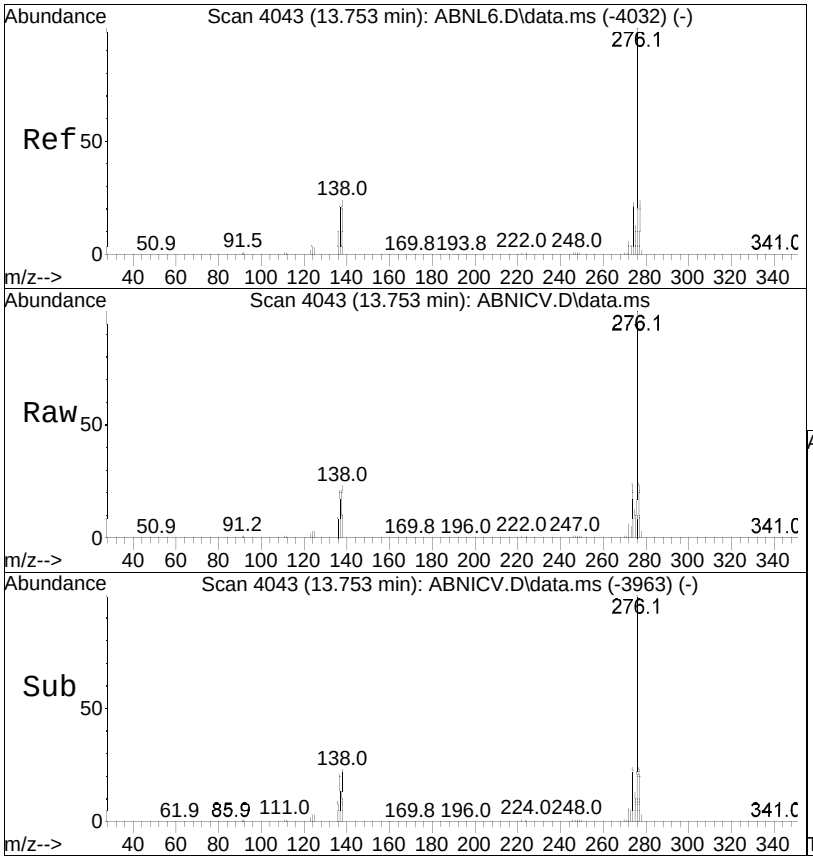


#117
Dibenzo(a,h)anthracene
Concen: 4.67 ug/ml
RT: 13.570 min Scan# 3984
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

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

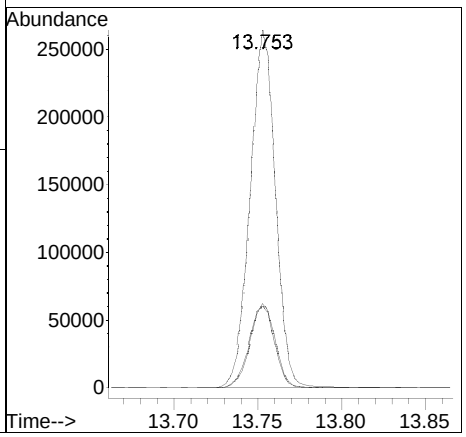




#118
Benzo(ghi)perylene
Concen: 4.45 ug/ml
RT: 13.753 min Scan# 4043
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:276 Resp: 274527

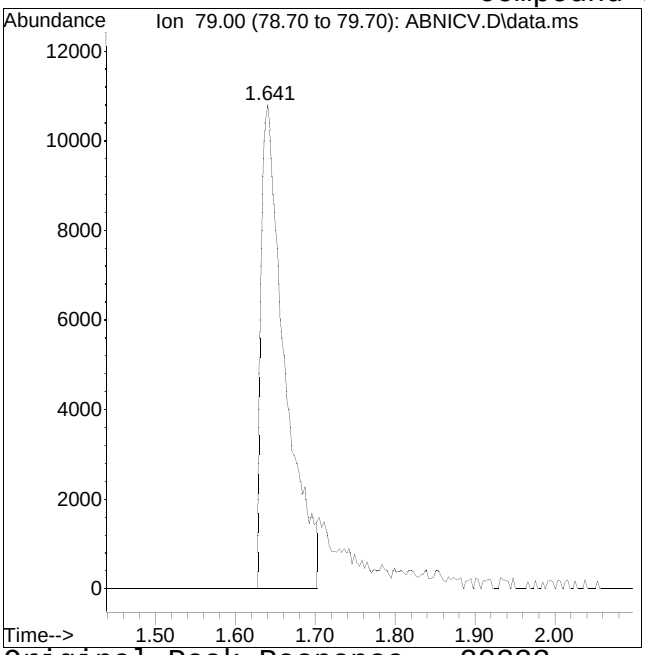
Ion	Ratio	Lower	Upper
276	100		
138	23.4	29.2	43.8#
277	23.6	18.8	28.2



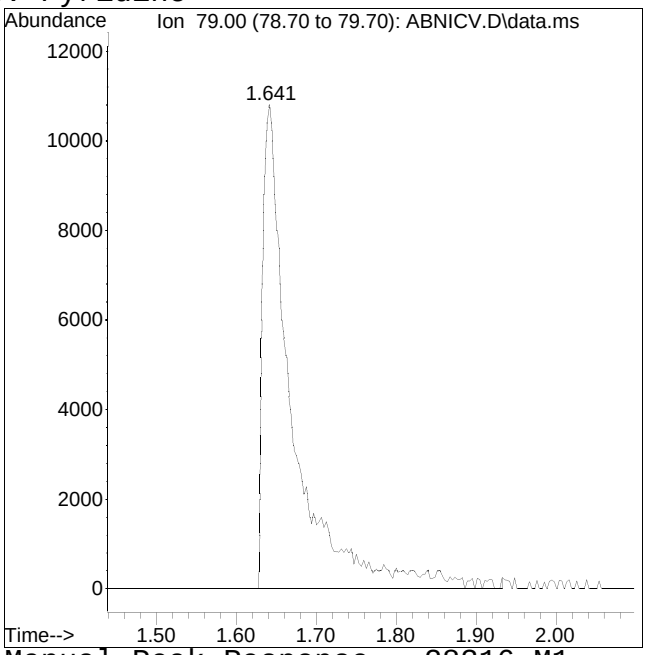
Manual Integration Report

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

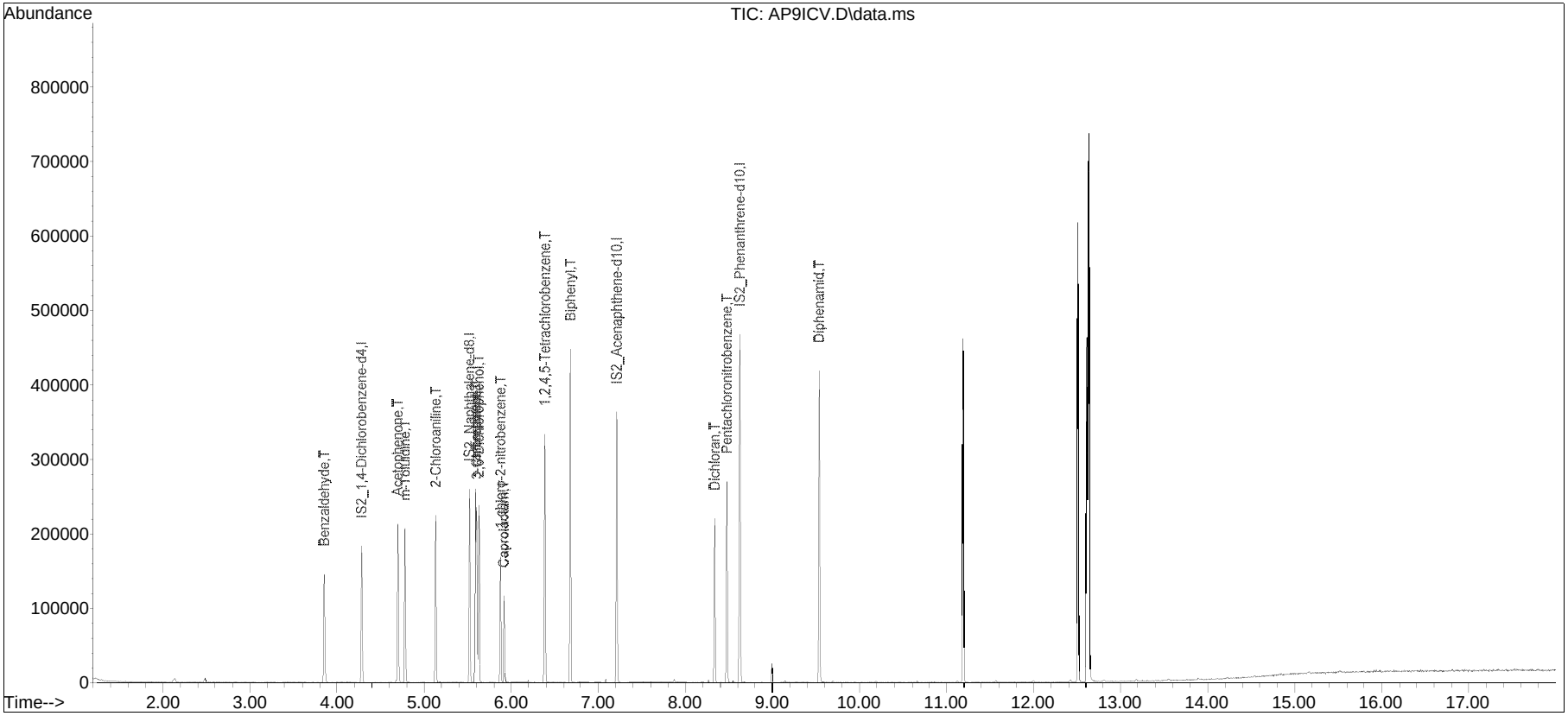
(#) = qualifier out of range (m) = manual integration (+) = signals summed

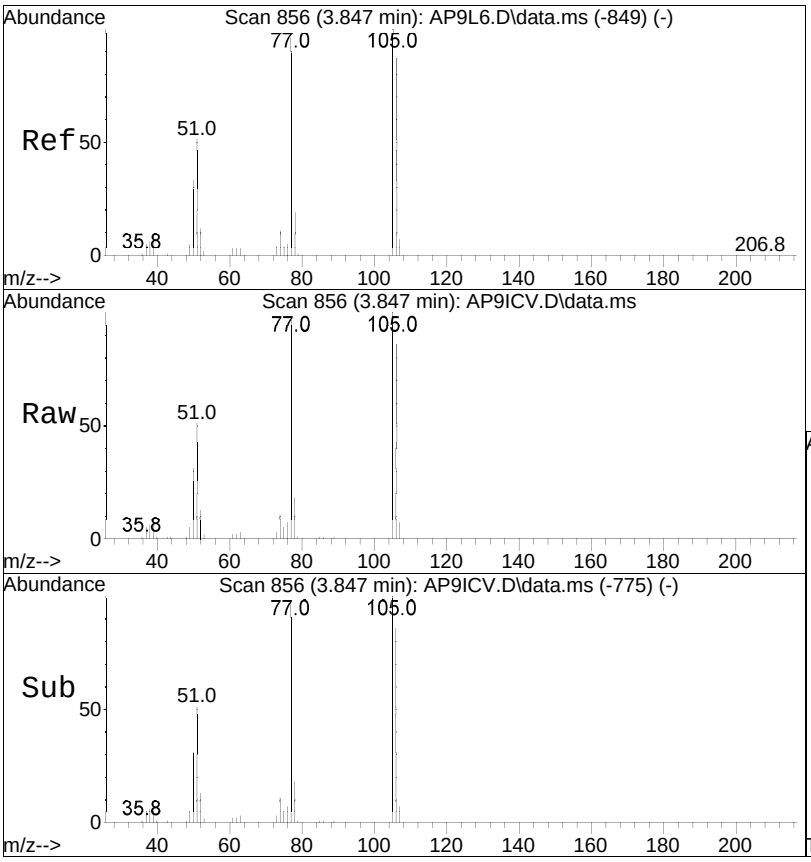
Quantitation Report (QT Reviewed)

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•

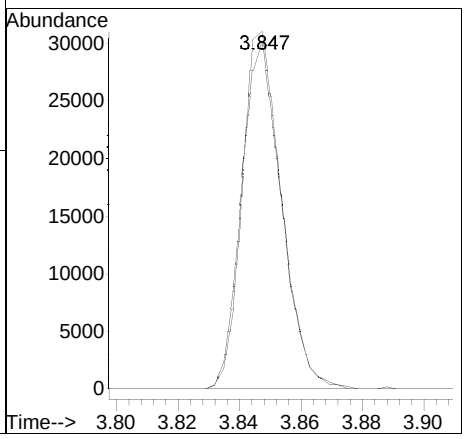


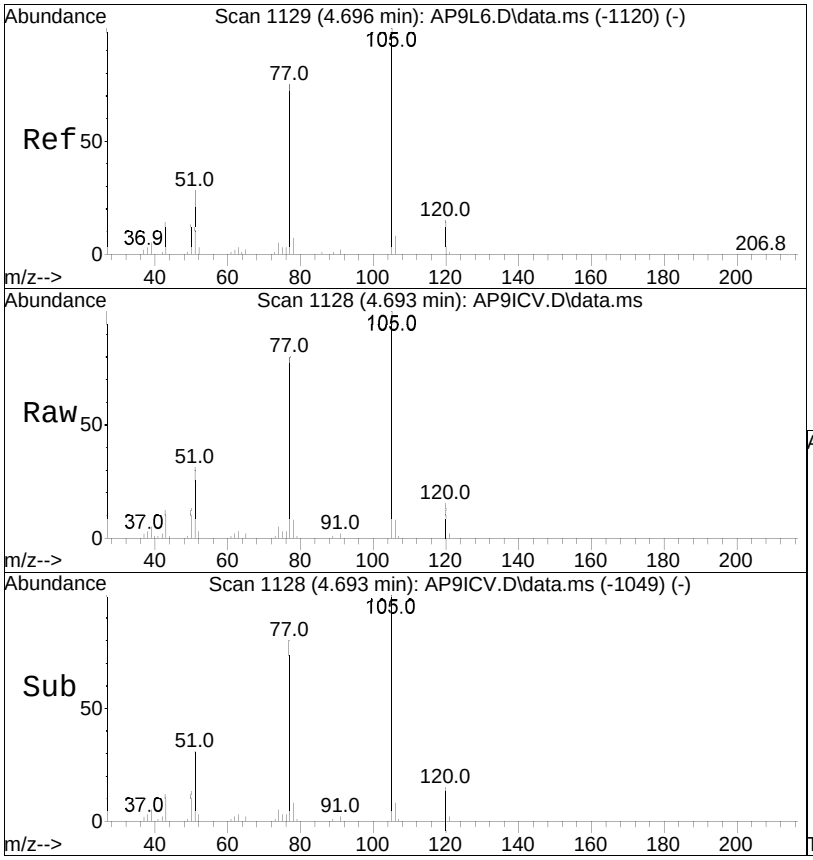


#28
Benzaldehyde
Concen: 5.45 ug/ml
RT: 3.847 min Scan# 856
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:105 Resp: 27551

Ion	Ratio	Lower	Upper
105	100		
77	98.2	82.2	123.4

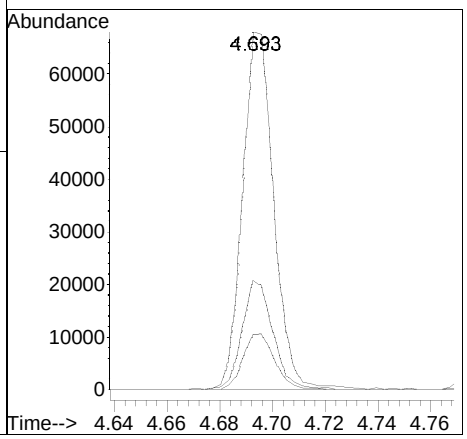


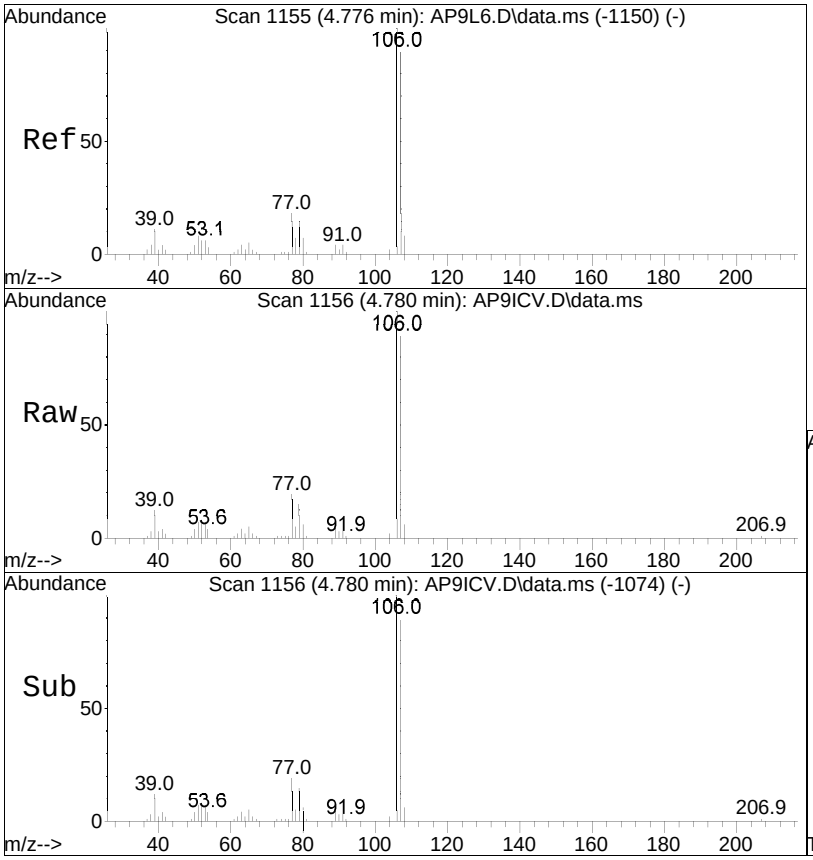


#29
Acetophenone
Concen: 5.48 ug/ml
RT: 4.693 min Scan# 1128
Delta R.T. -0.003 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

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#

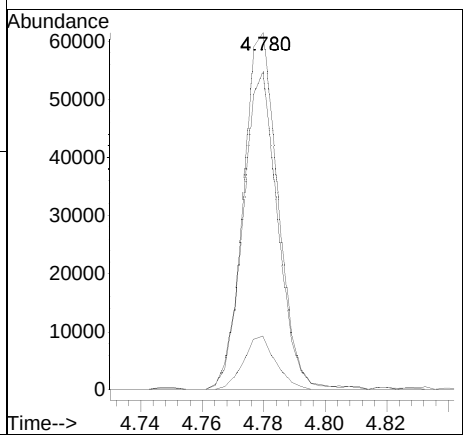


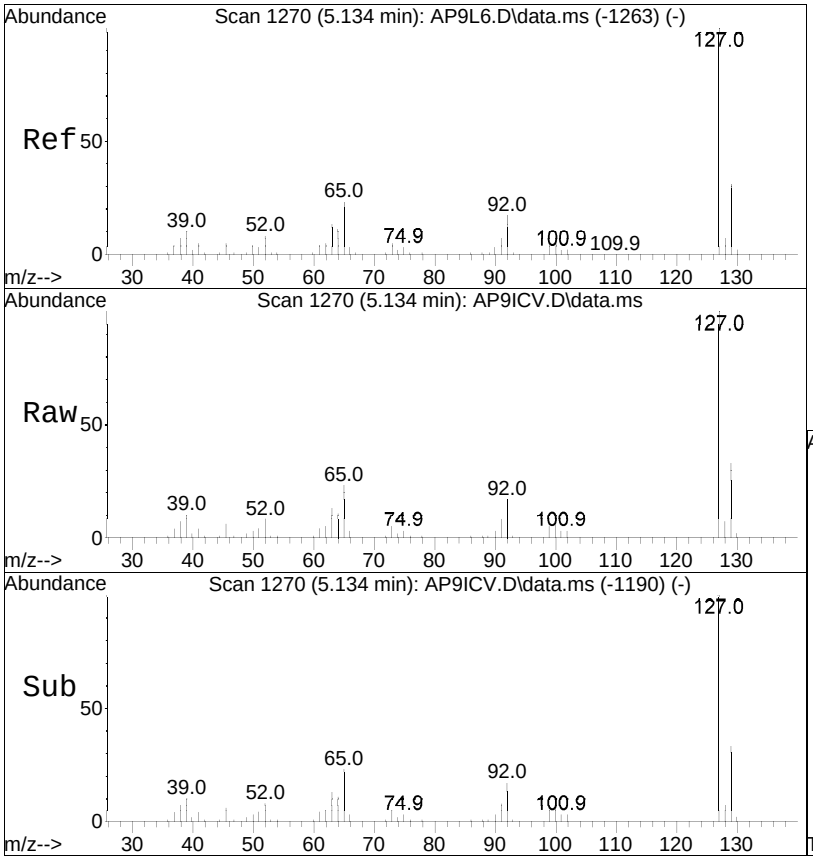


#30
m-Toluidine
Concen: 5.23 ug/ml
RT: 4.780 min Scan# 1156
Delta R.T. 0.004 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

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

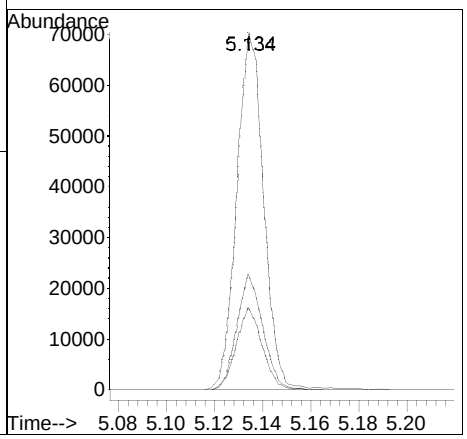


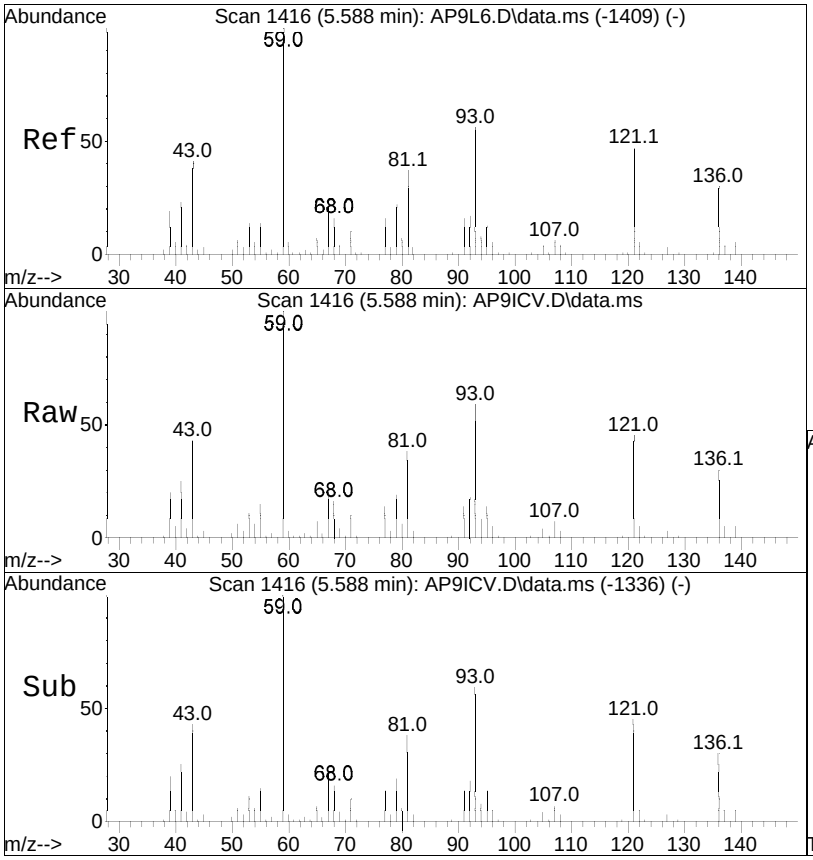


#31
2-Chloroaniline
Concen: 5.51 ug/ml
RT: 5.134 min Scan# 1270
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

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#

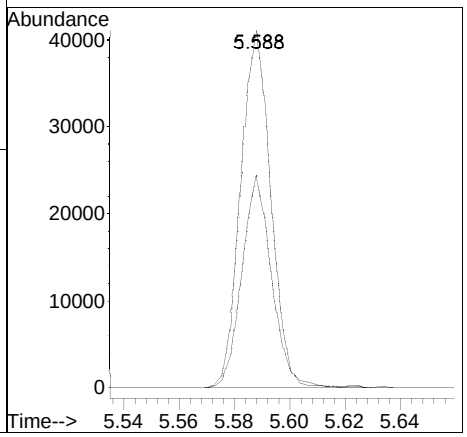


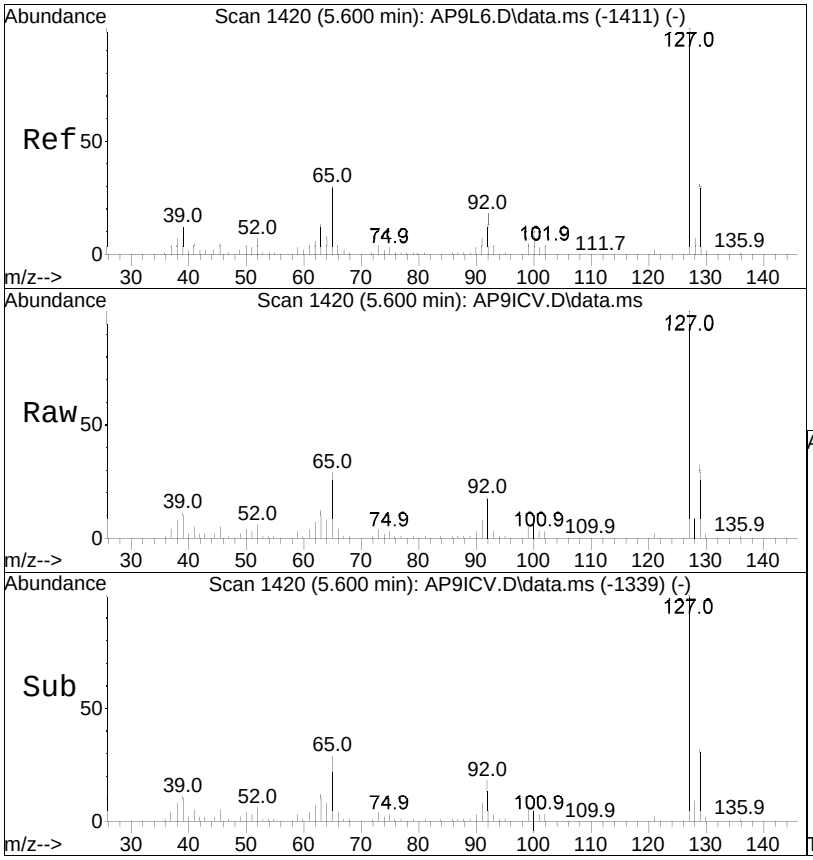


#58
a-Terpineol
Concen: 5.39 ug/ml
RT: 5.588 min Scan# 1416
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion: 59 Resp: 30996

Ion	Ratio	Lower	Upper
59	100		
93	58.9	35.6	53.4#

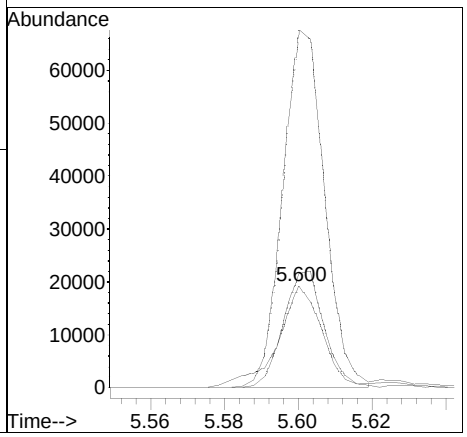


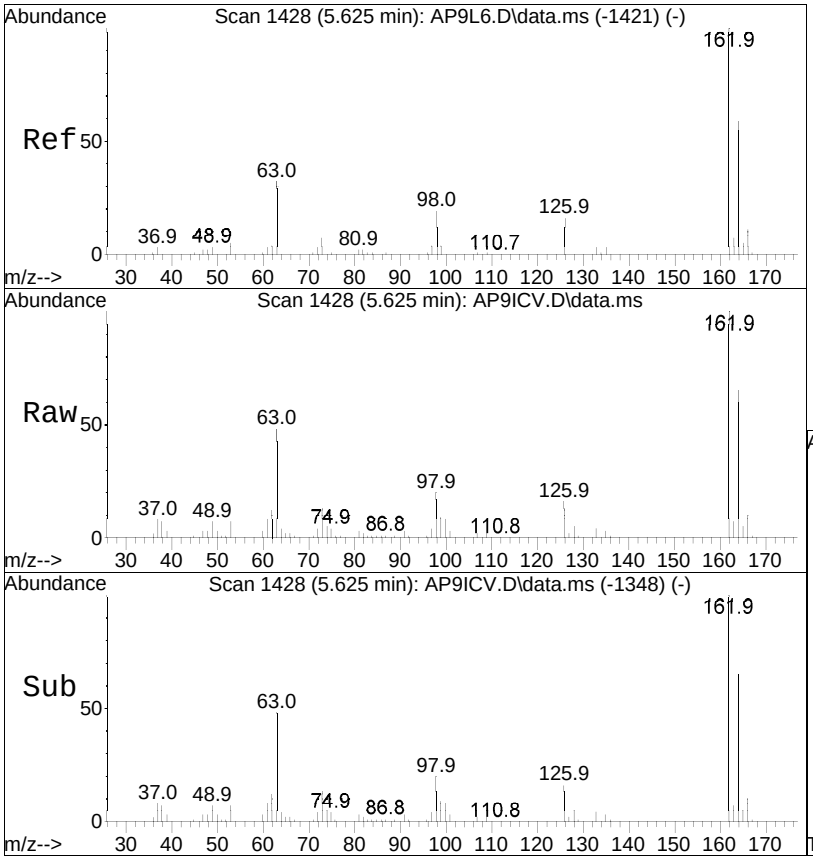


#59
3-Chloroaniline
Concen: 5.36 ug/ml
RT: 5.600 min Scan# 1420
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

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

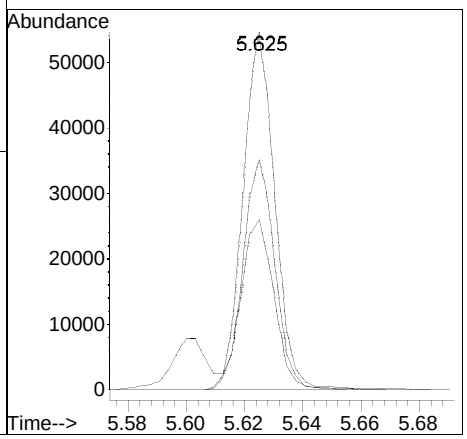


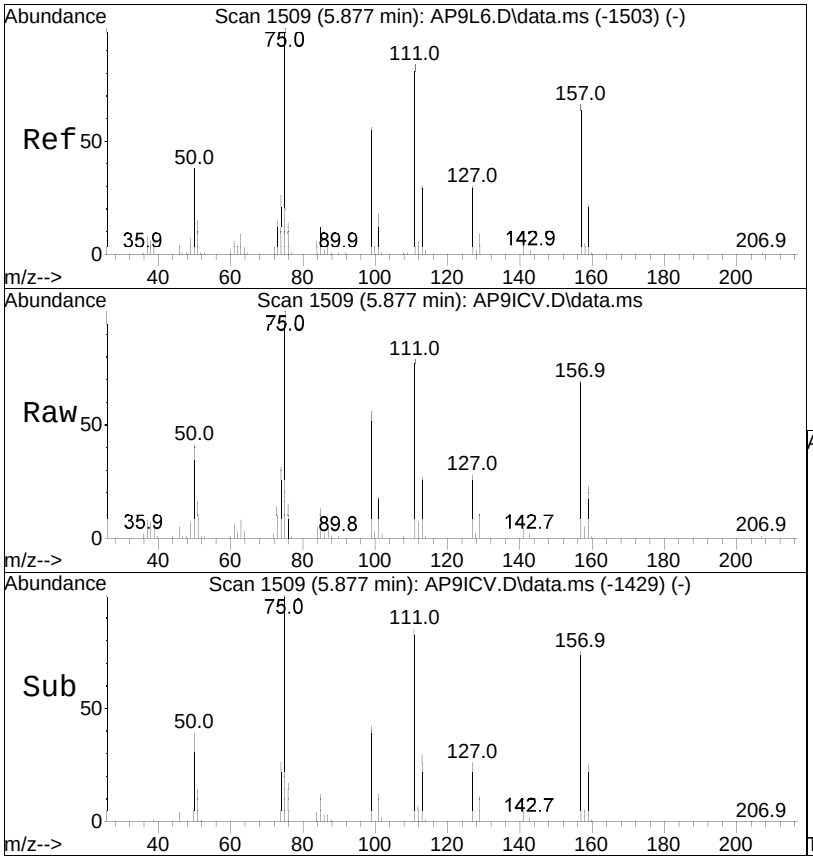


#60
2,6-Dichlorophenol
Concen: 5.35 ug/ml
RT: 5.625 min Scan# 1428
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

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#

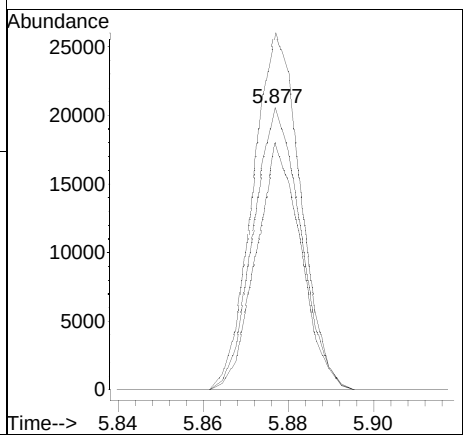


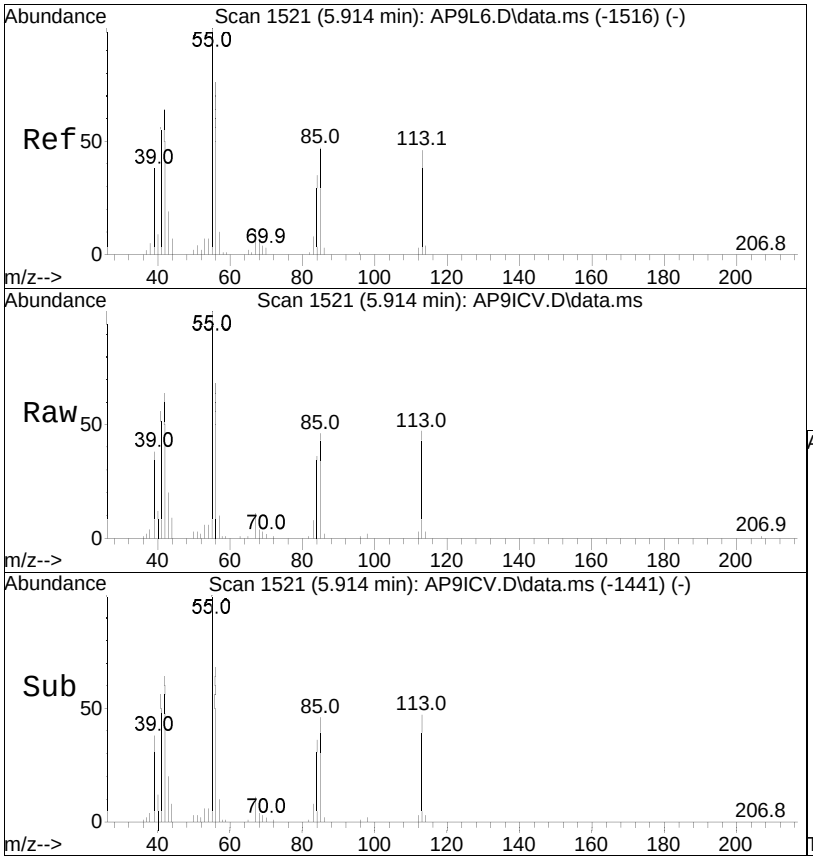


#61
1-chloro-2-nitrobenzene
Concen: 5.37 ug/ml
RT: 5.877 min Scan# 1509
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

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#

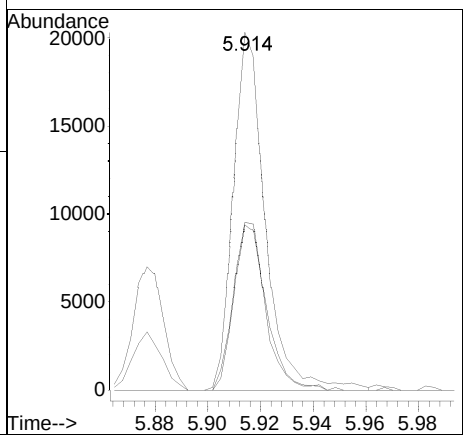


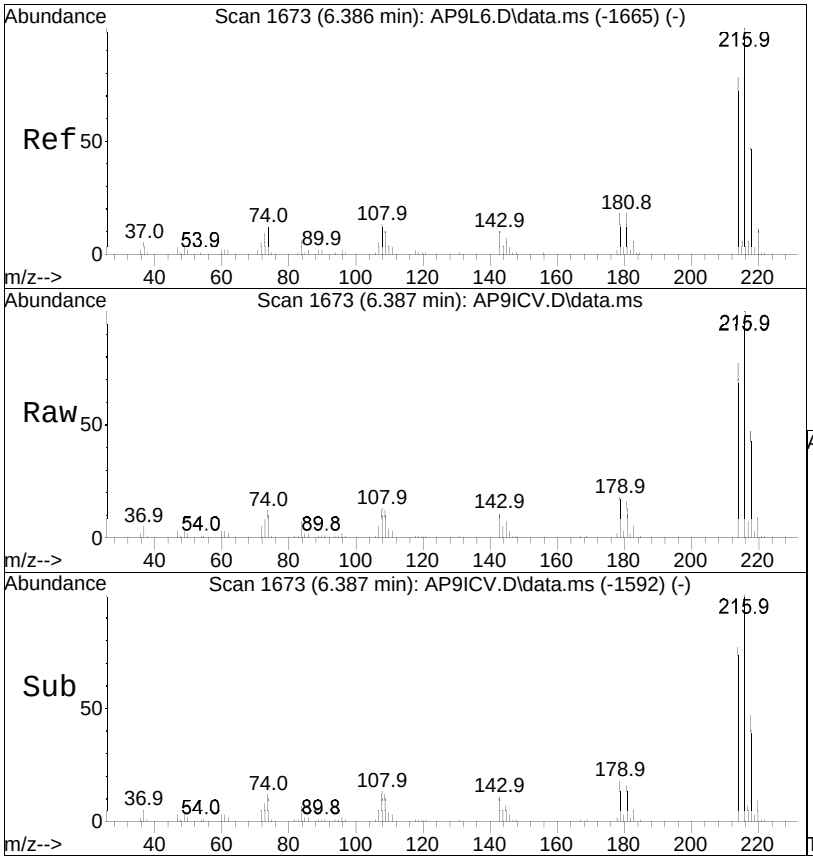


#62
Caprolactam
Concen: 5.35 ug/ml
RT: 5.914 min Scan# 1521
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

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#

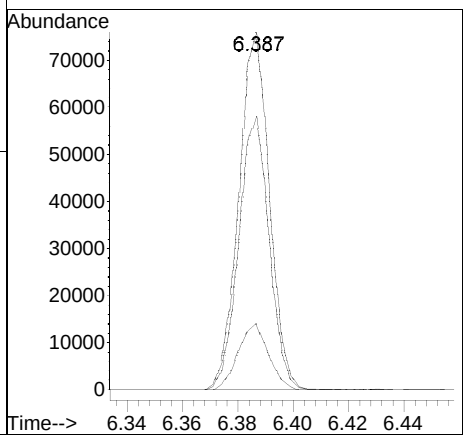


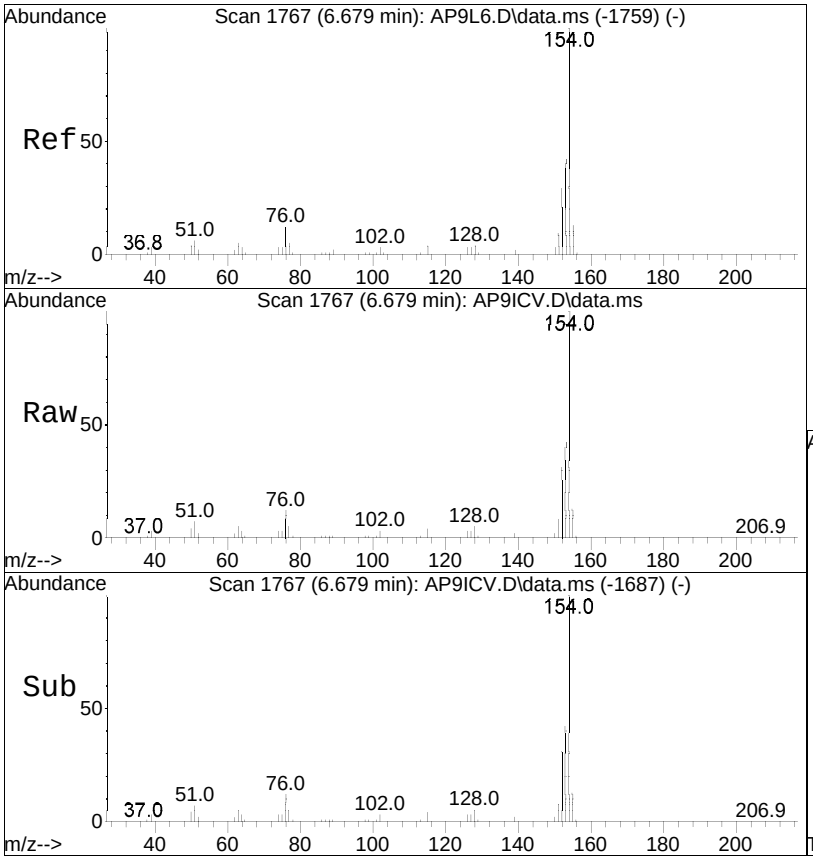


#63
1,2,4,5-Tetrachlorobenzene
Concen: 5.41 ug/ml
RT: 6.387 min Scan# 1673
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

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#

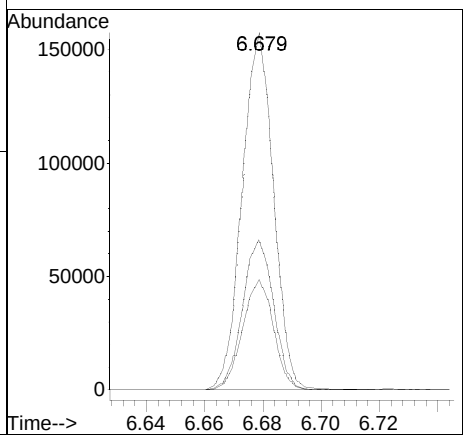


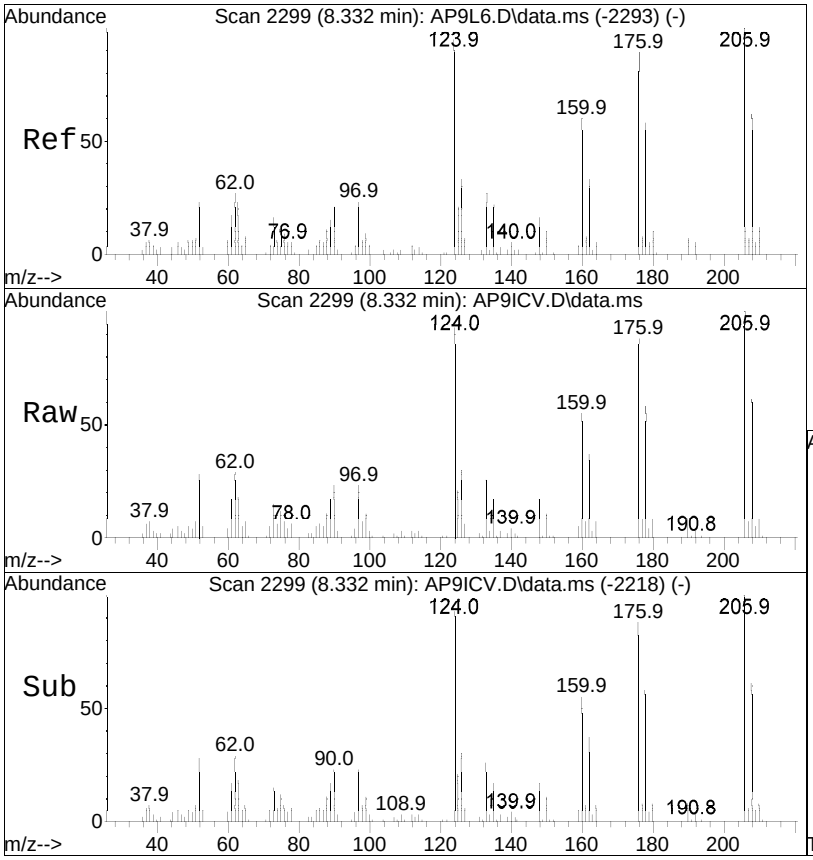


#64
Biphenyl
Concen: 5.37 ug/ml
RT: 6.679 min Scan# 1767
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

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

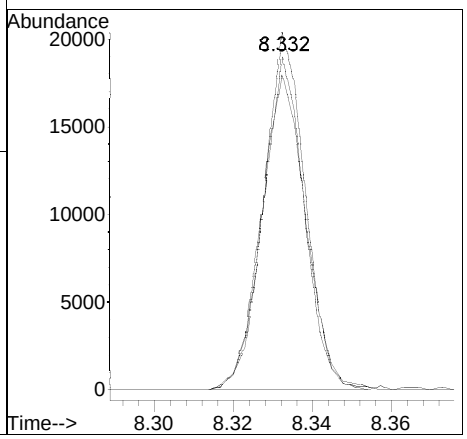


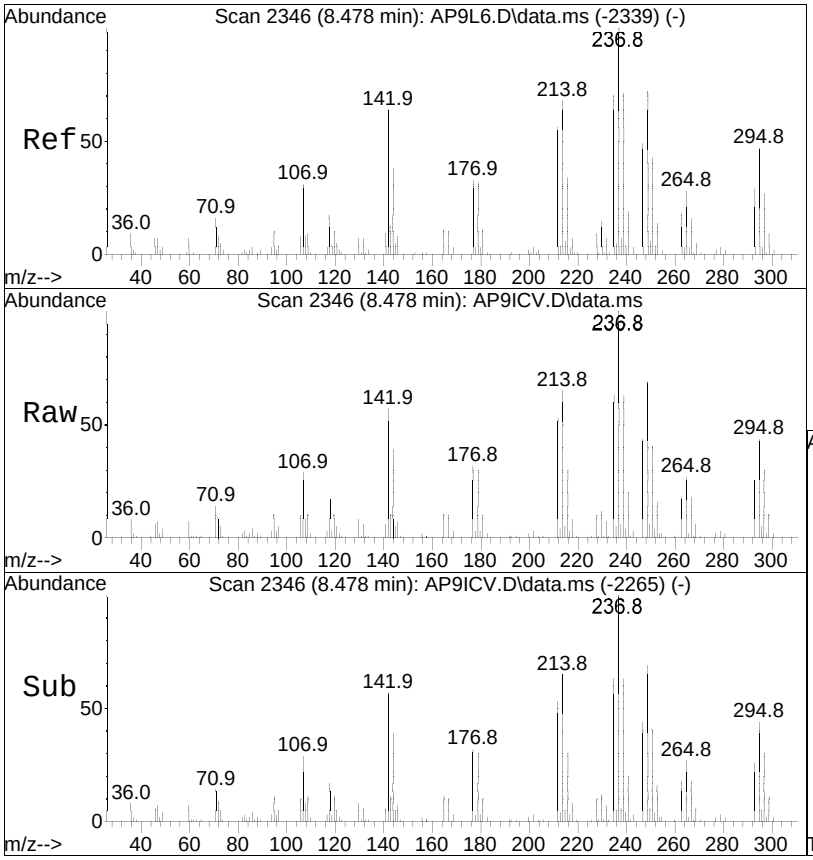


#86
Dichloran
Concen: 5.35 ug/ml
RT: 8.332 min Scan# 2299
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

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#

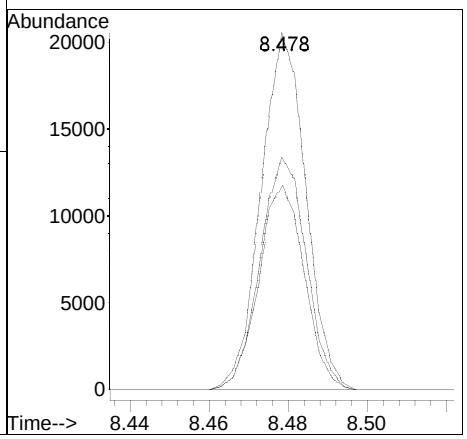


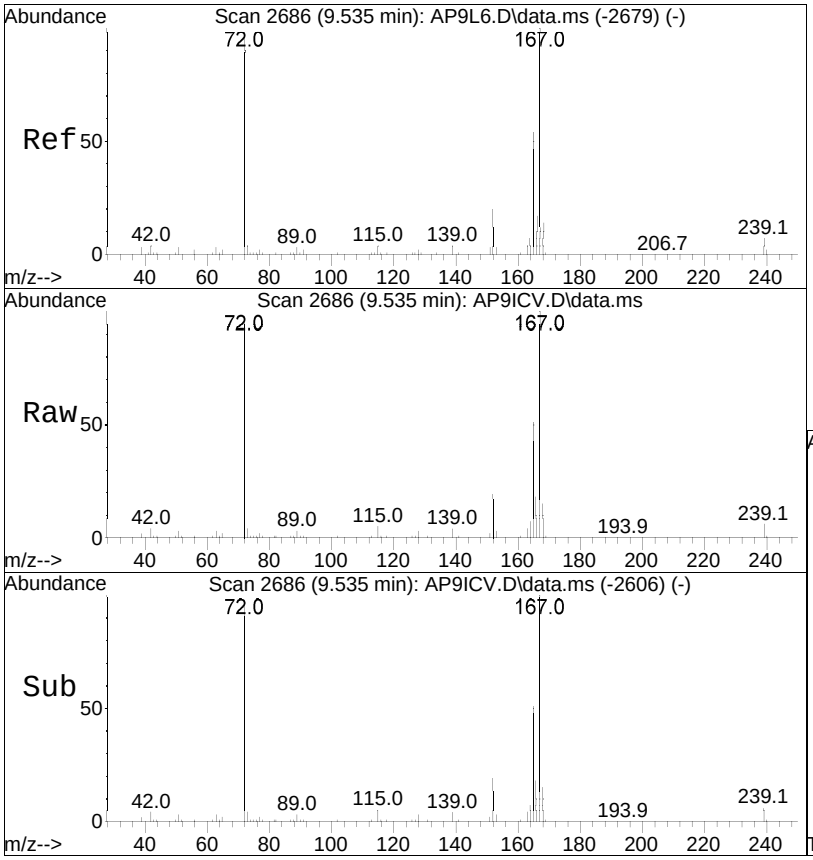


#87
Pentachloronitrobenzene
Concen: 5.23 ug/ml
RT: 8.478 min Scan# 2346
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

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

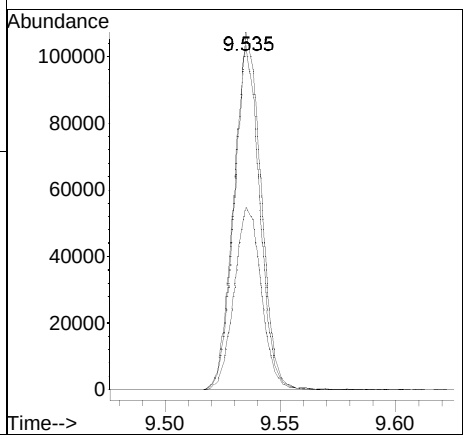




#101
Diphenamid
Concen: 5.61 ug/ml
RT: 9.535 min Scan# 2686
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

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

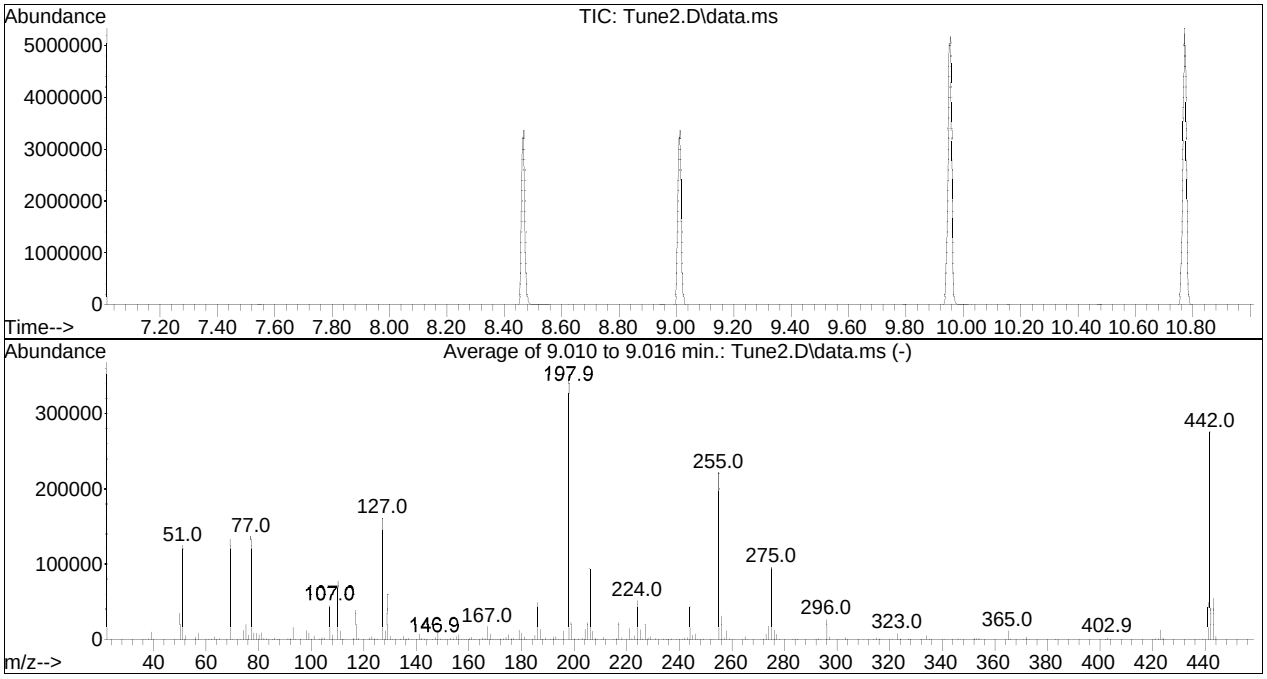
There are no manual integrations or false positives in this file.

DFTPP

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



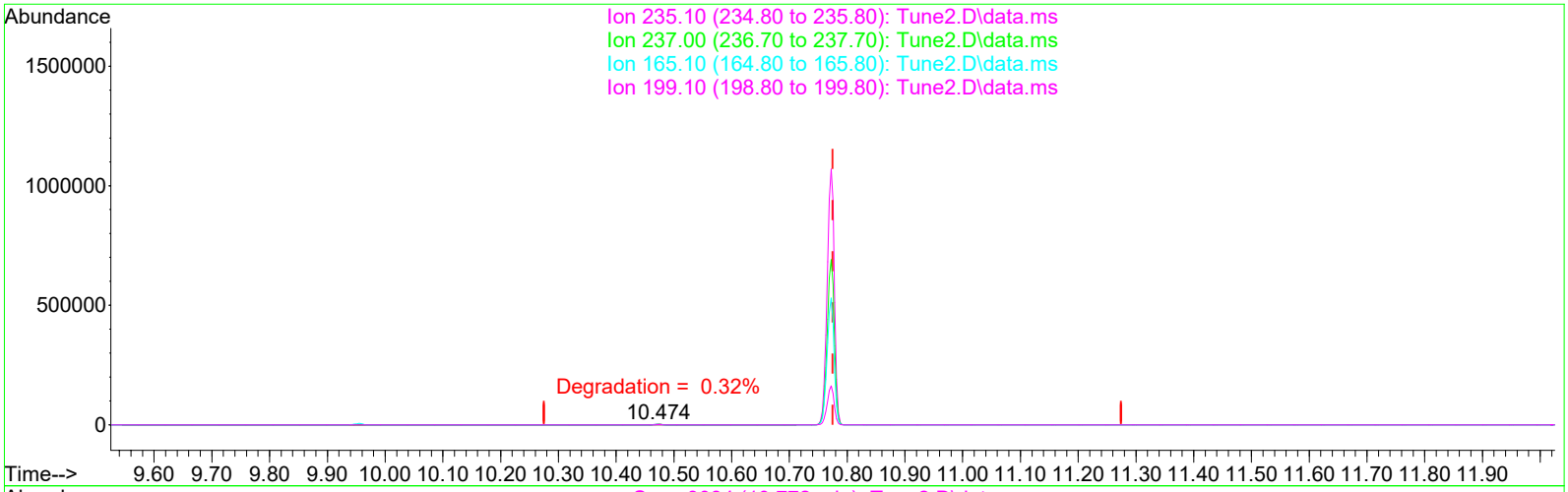
Spectrum Information: Average of 9.010 to 9.016 min.

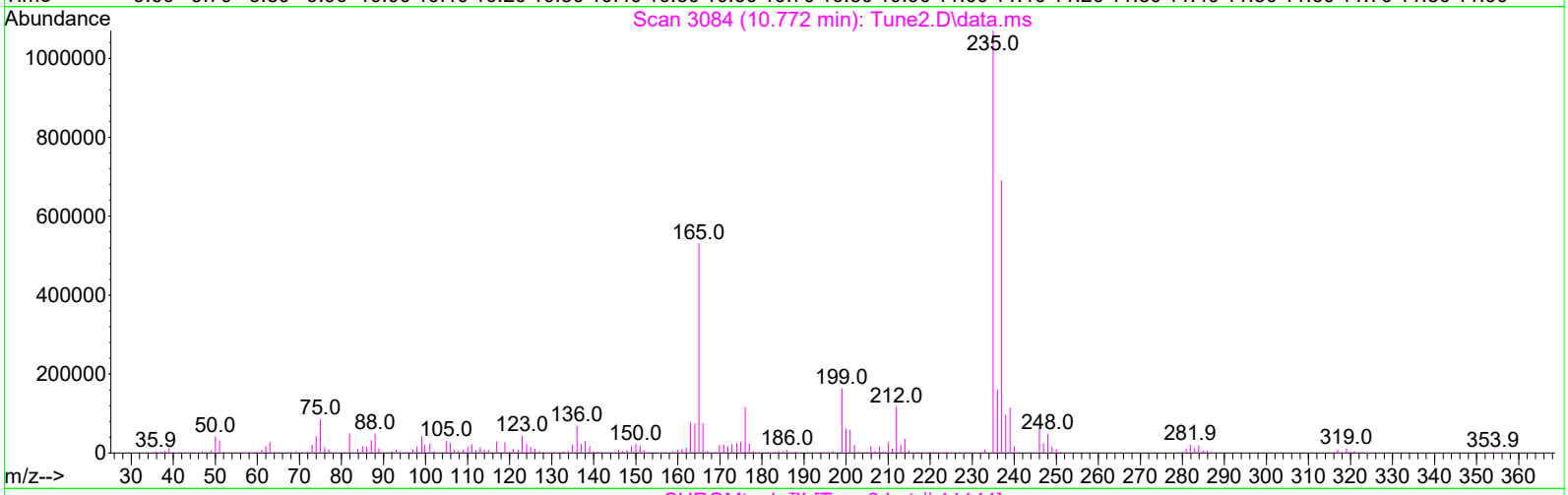
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.4	124264	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	132925	PASS
70	69	0.00	2	0.6	743	PASS
127	198	10	80	45.9	160797	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	350613	PASS
199	198	5	9	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

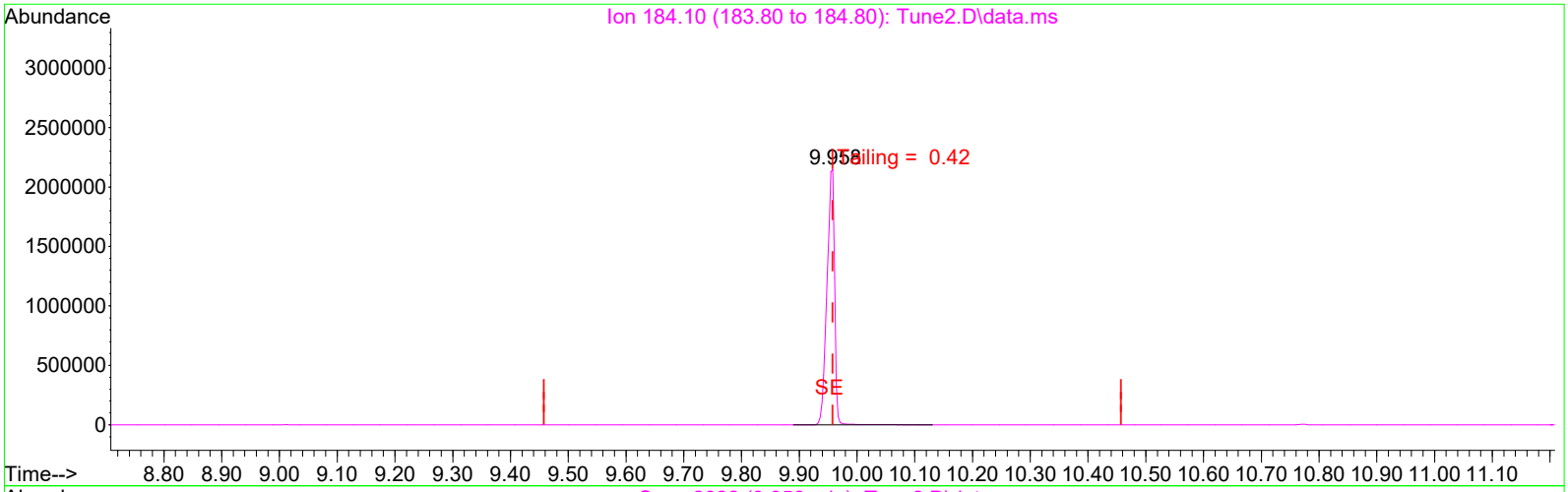
response 934167

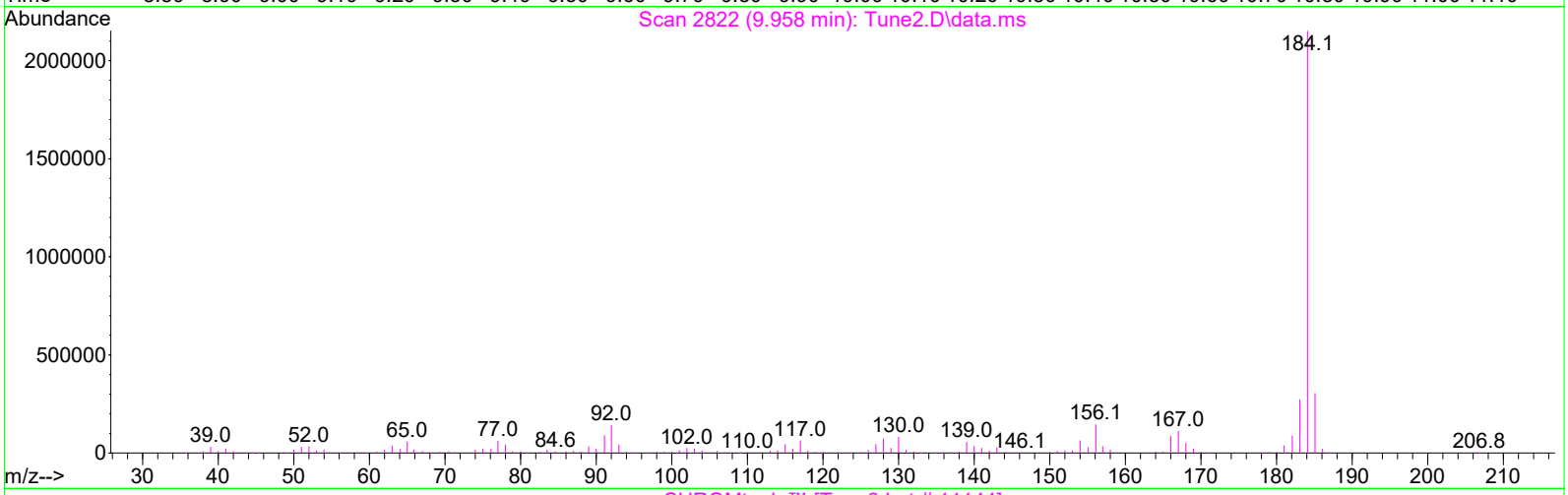
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.21
165.10	48.70	47.94
199.10	15.80	14.64

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

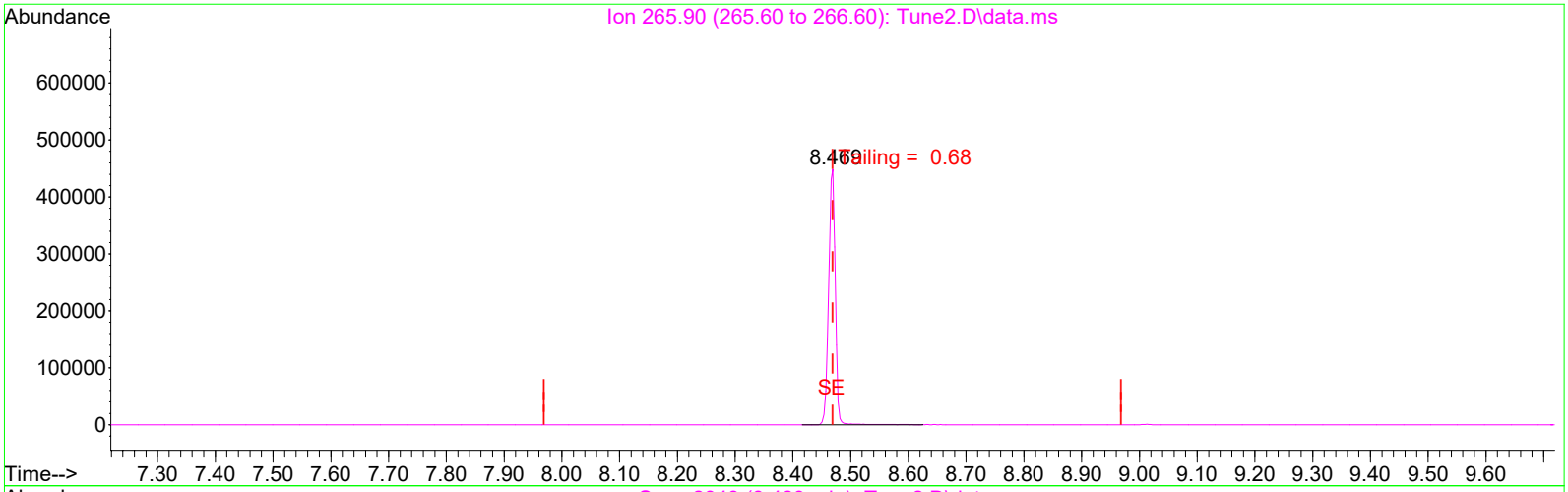
response 1966199

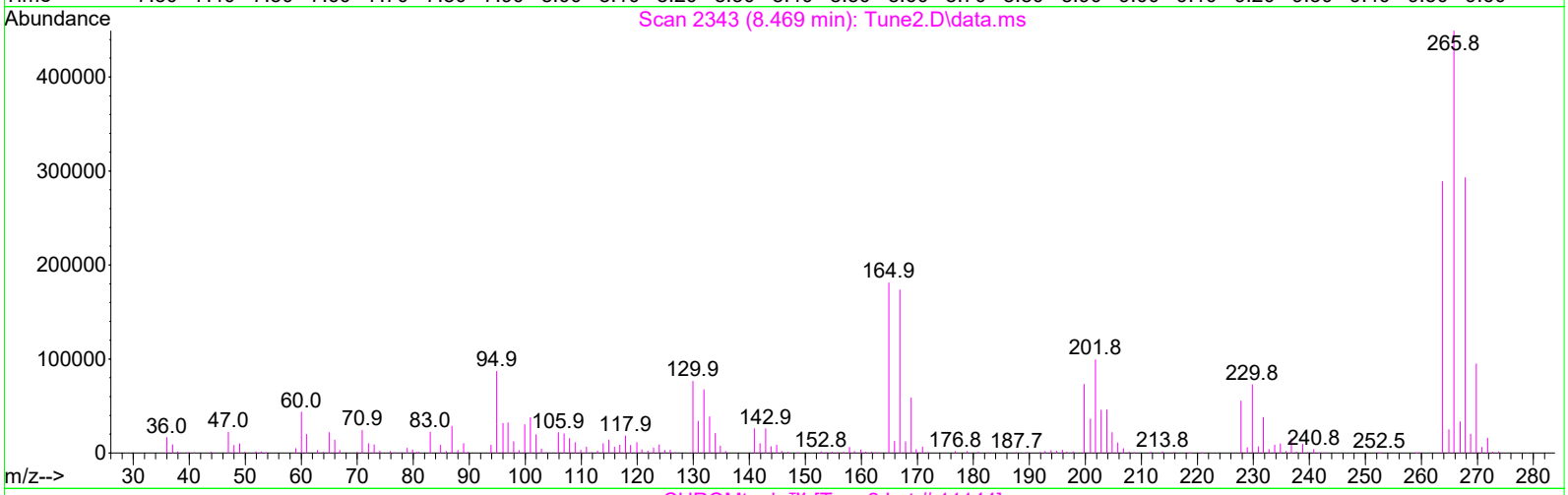
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

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

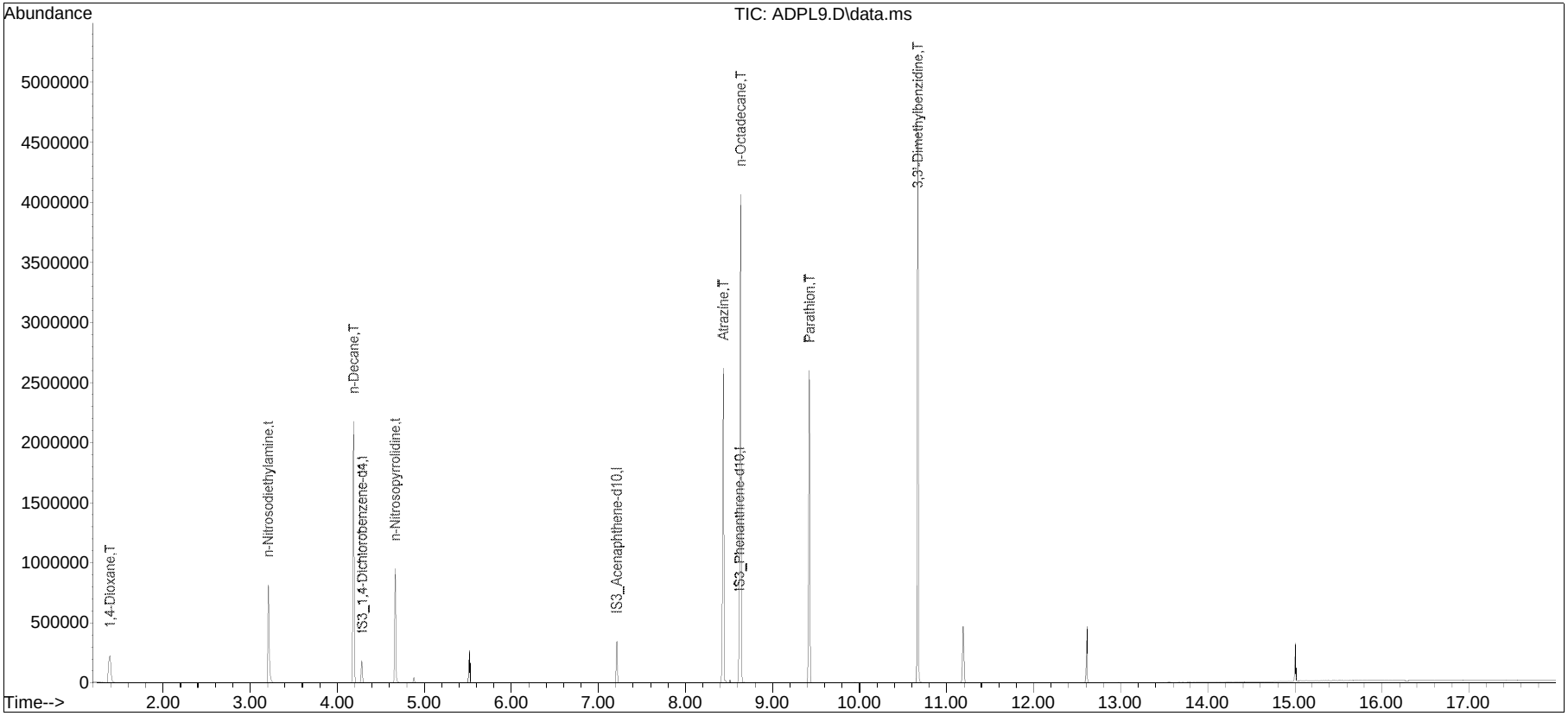
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

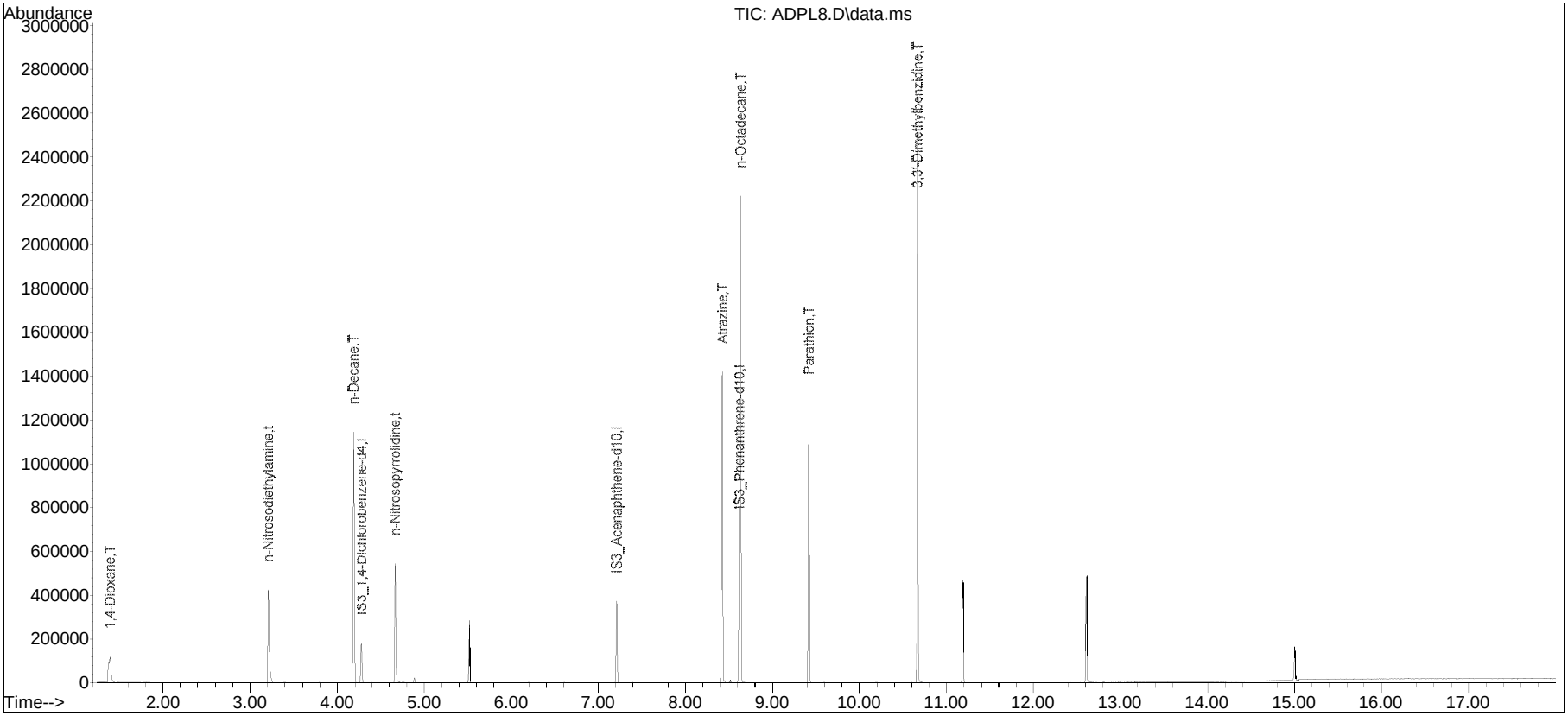
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

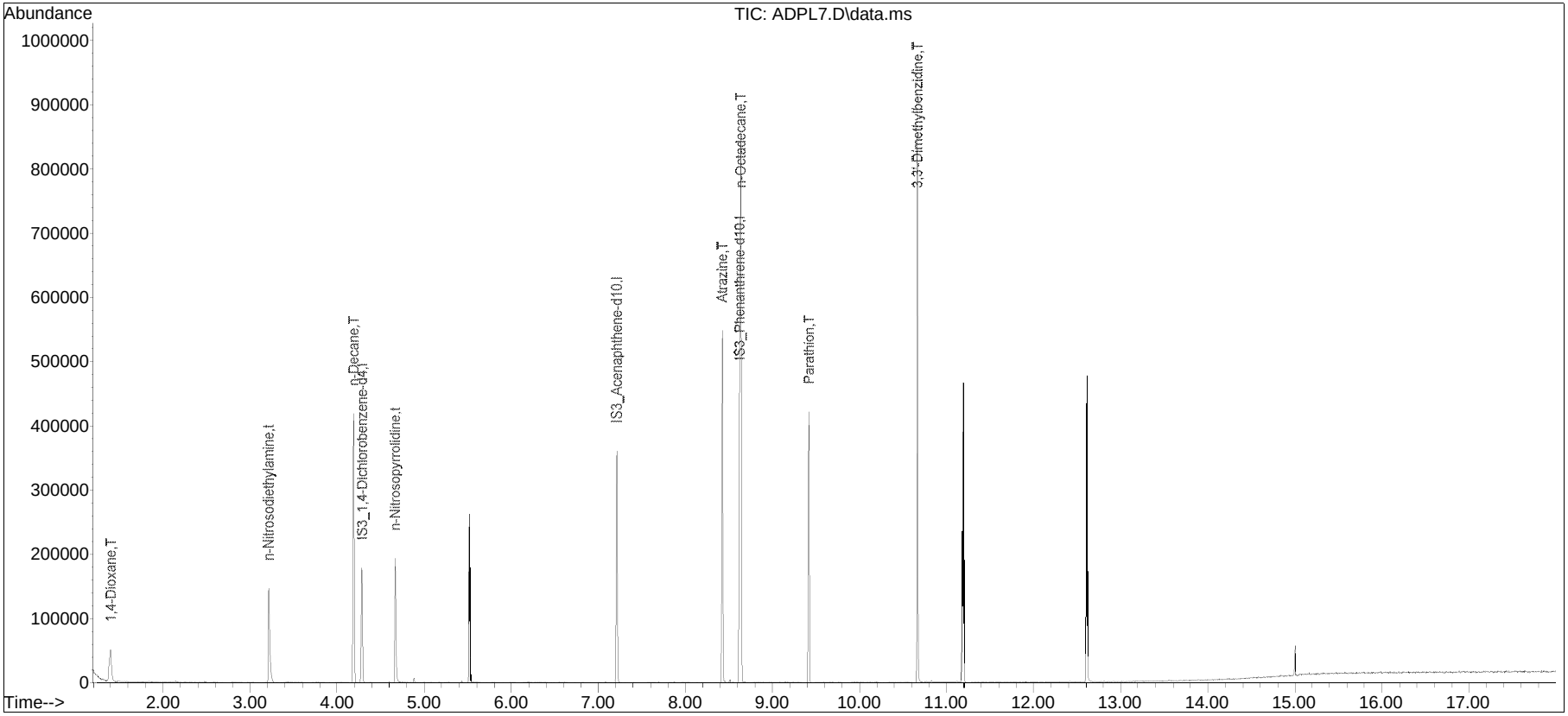
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

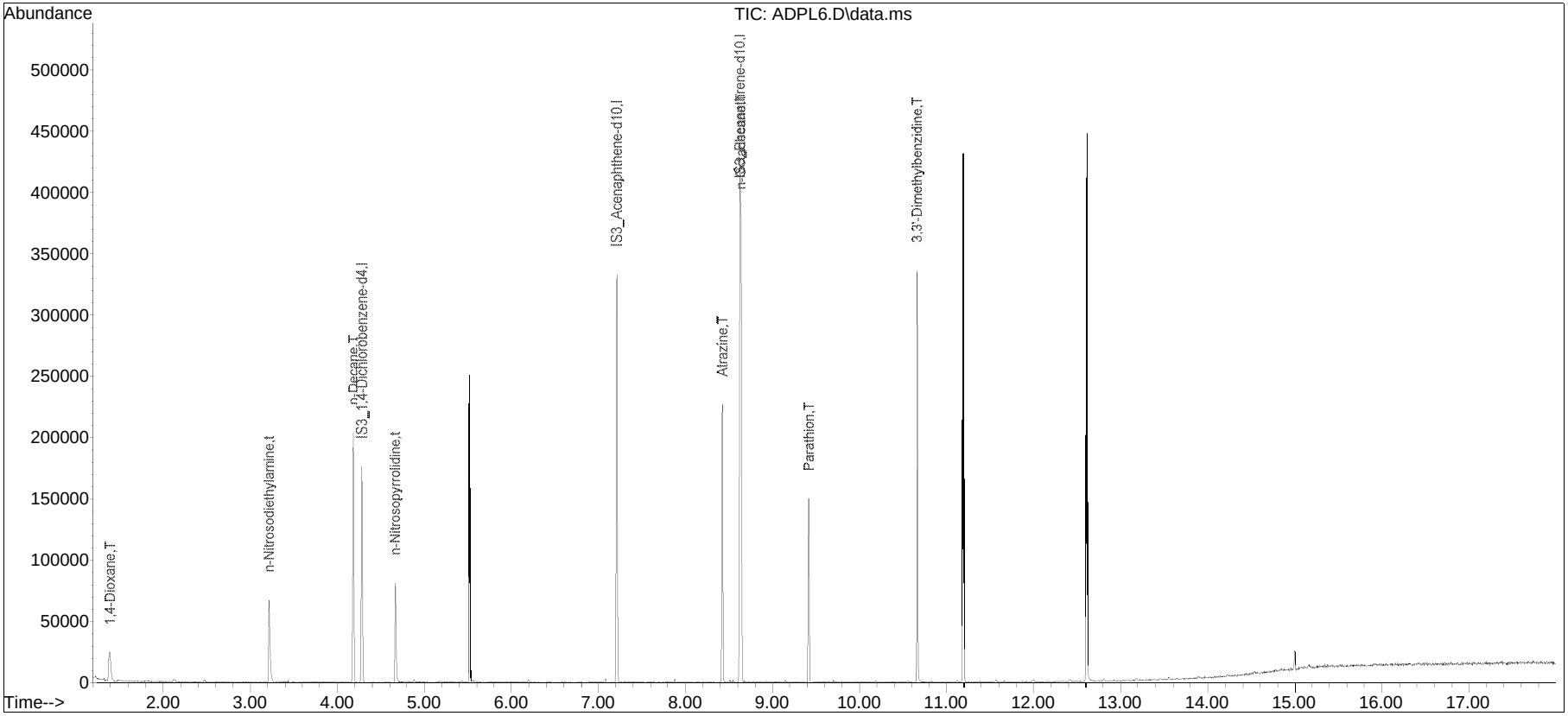
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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•



FS241105RVT_Dakota.m Tue Nov 12 12:25:28 2024 Page: 2

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

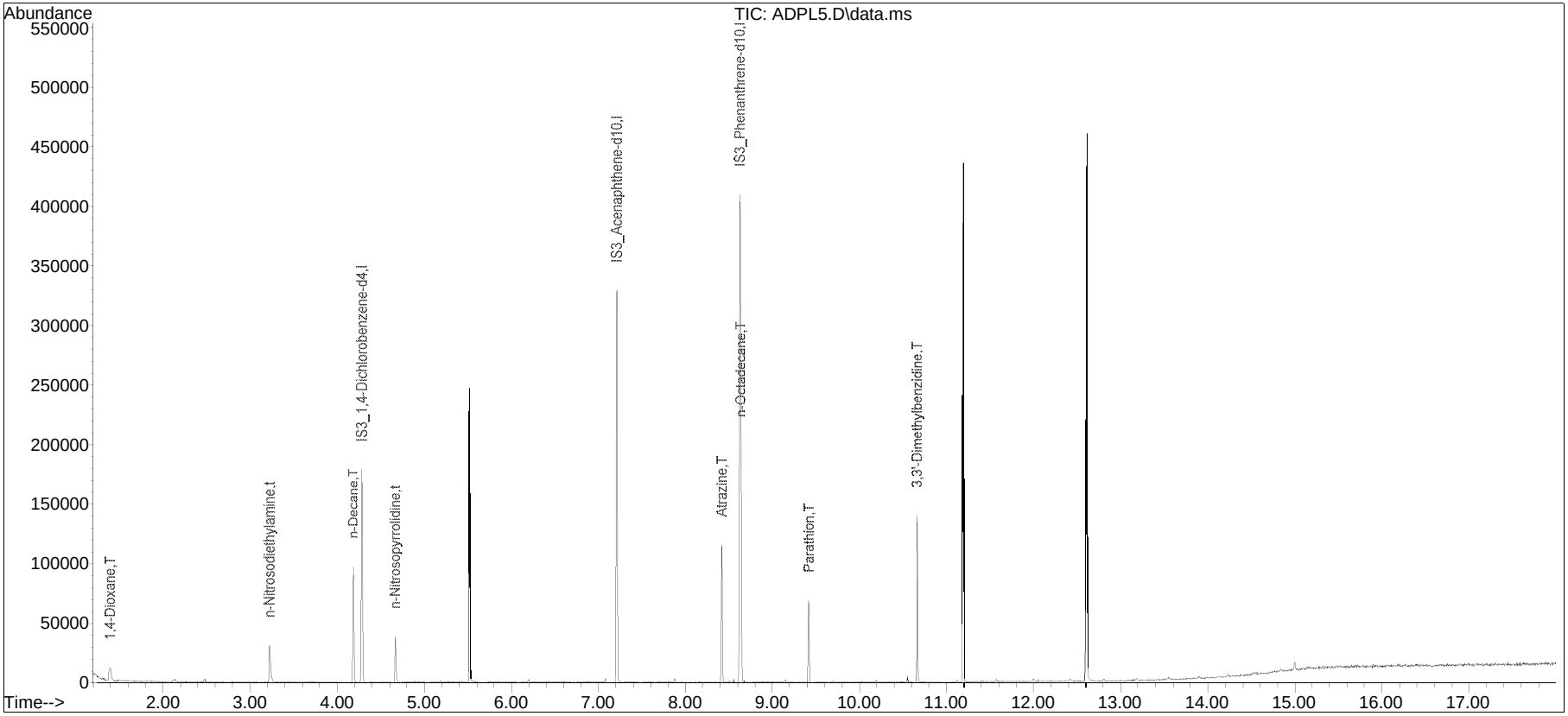
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

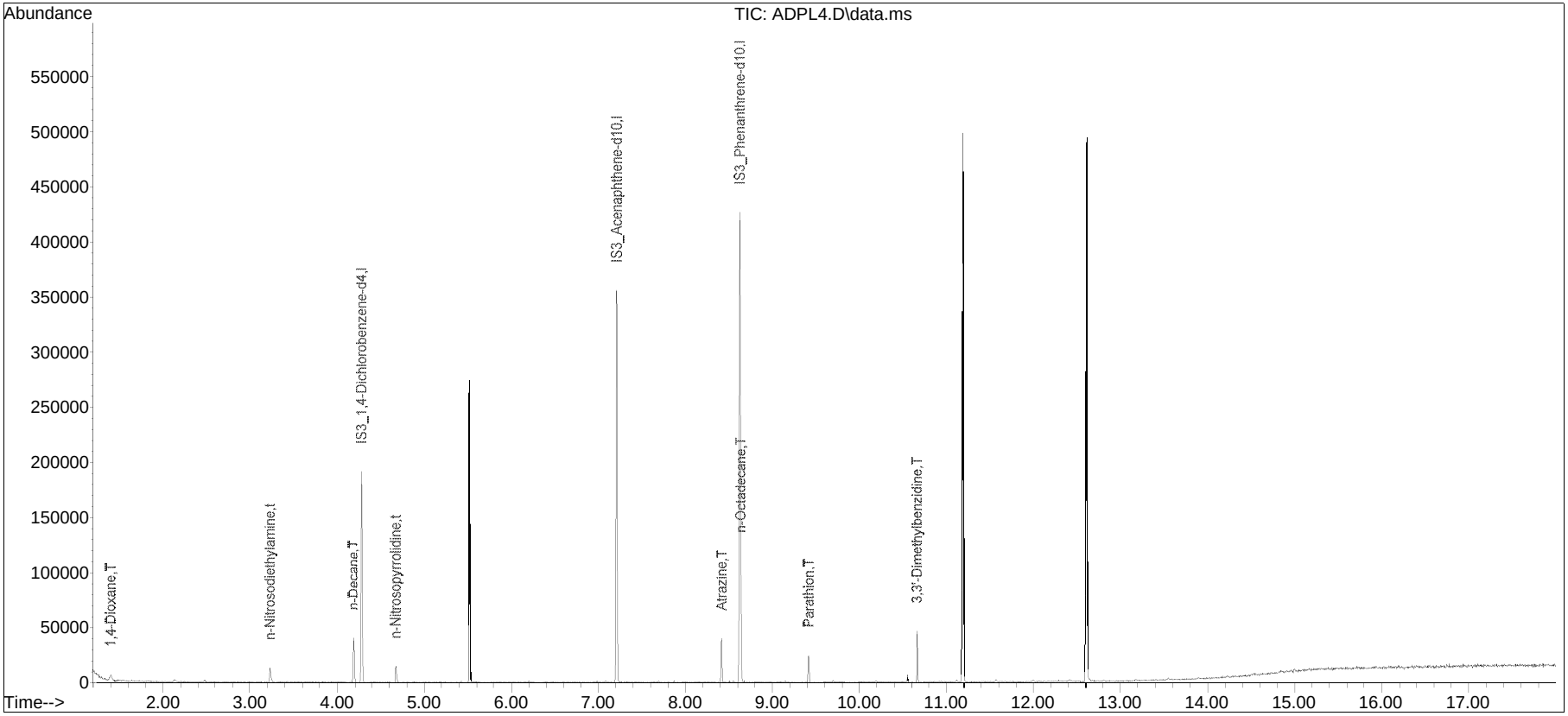
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

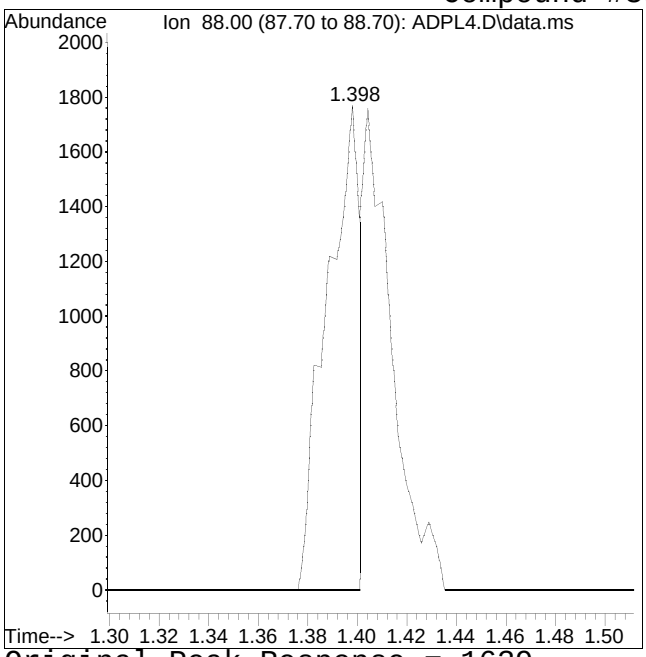
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•

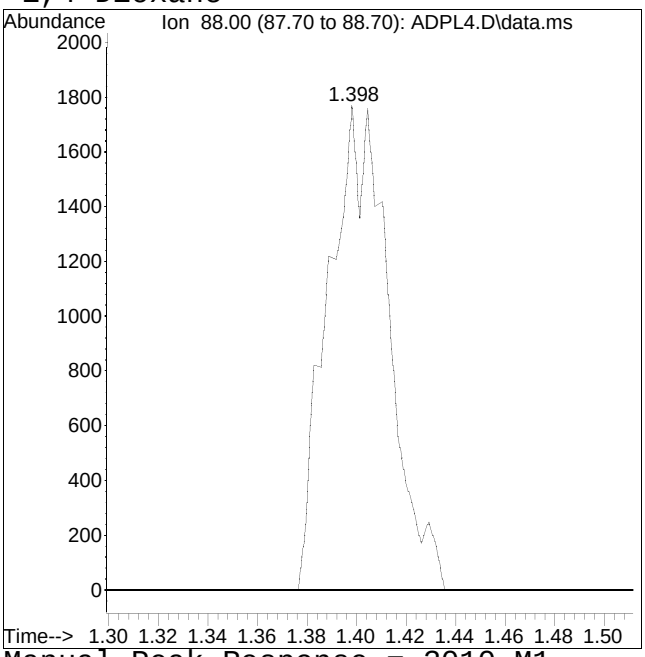


Manual Integration Report

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

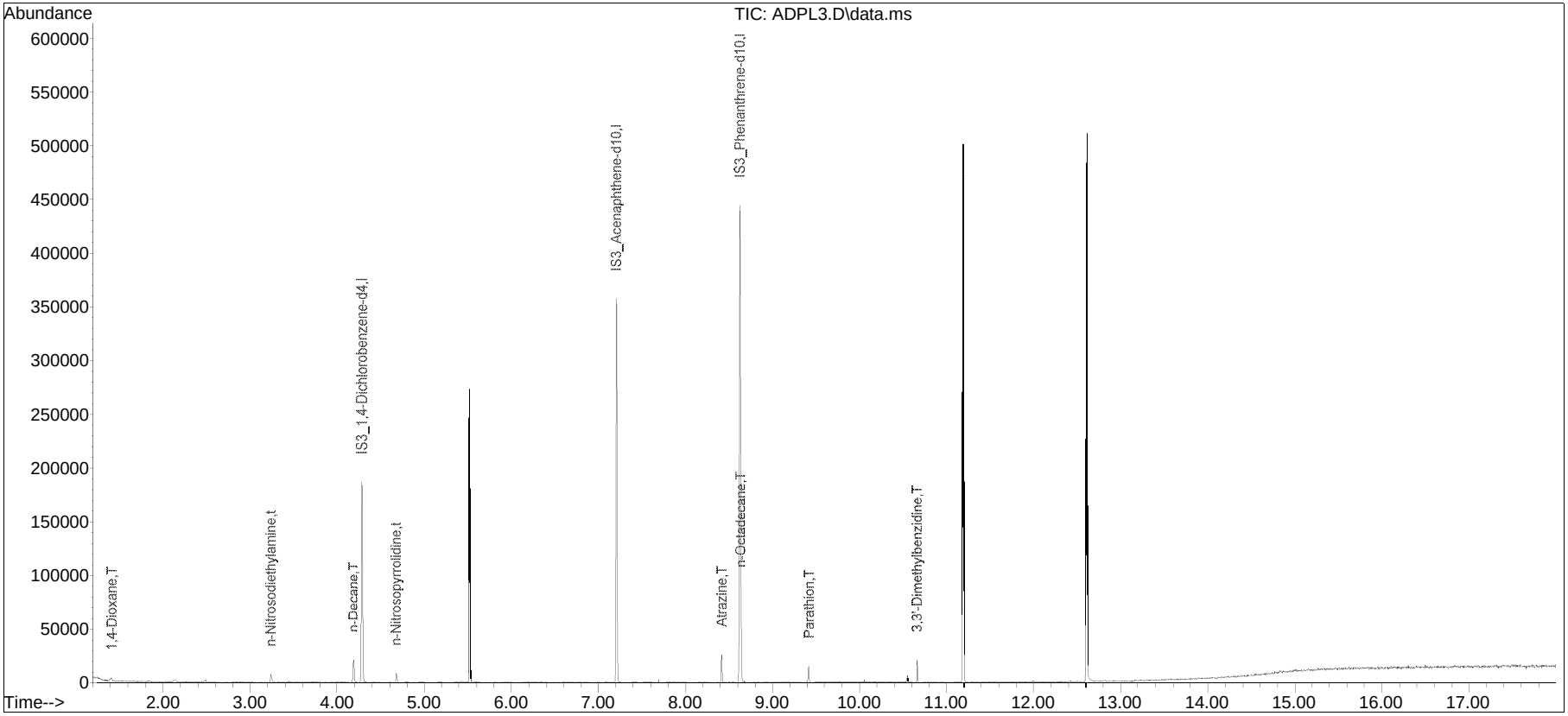
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

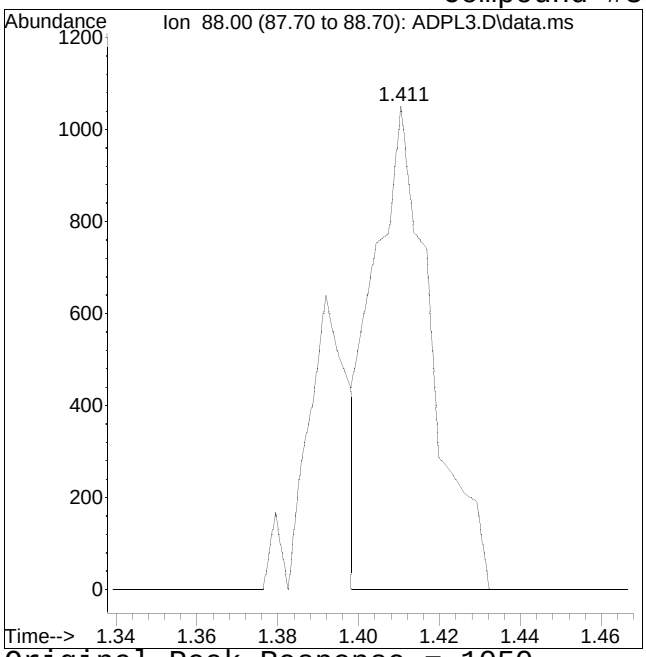
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•

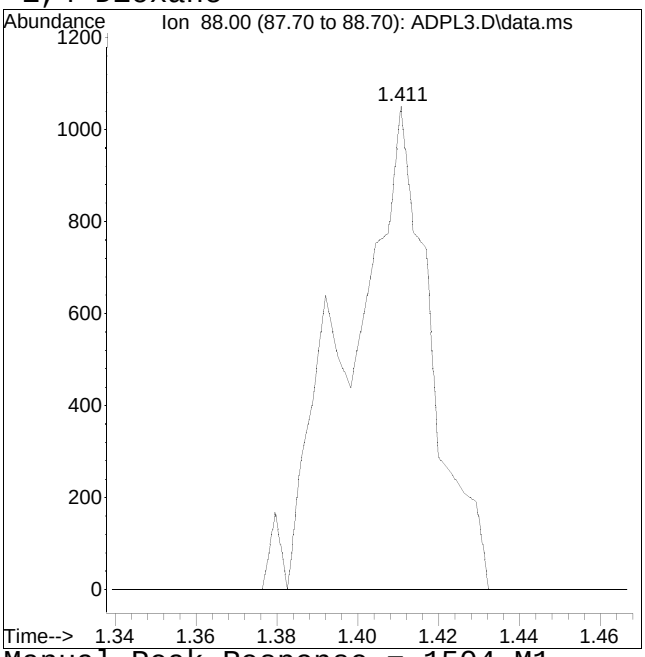


Manual Integration Report

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

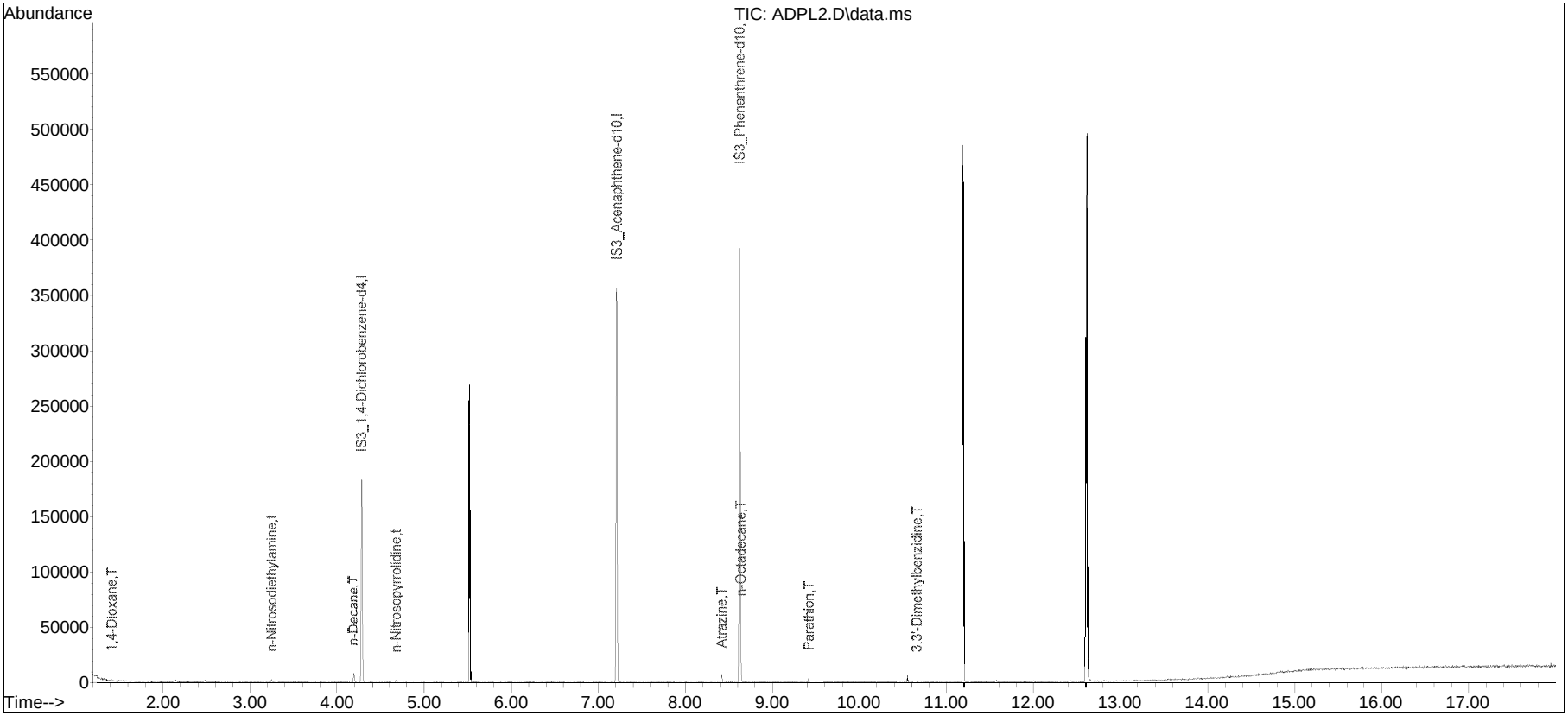
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

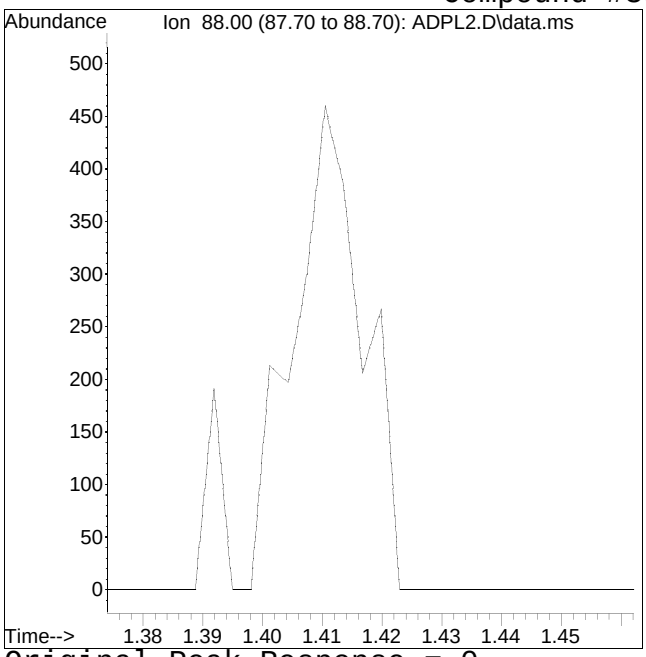
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



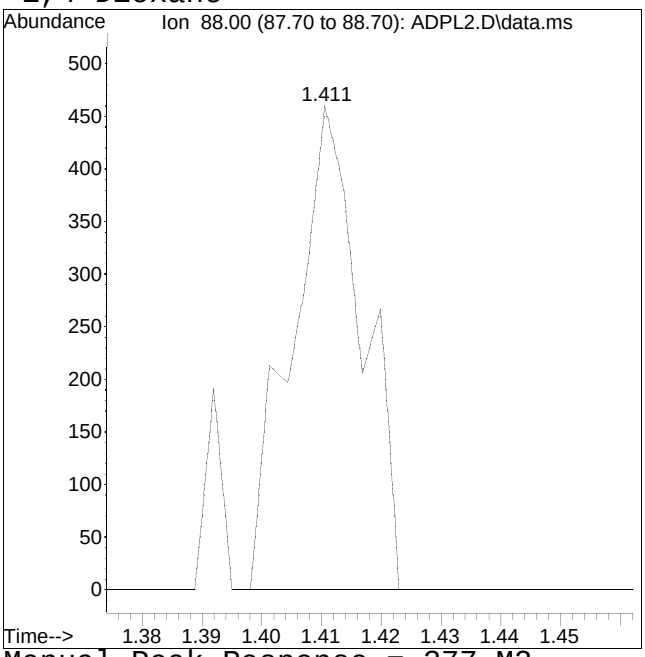
Manual Integration Report

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	

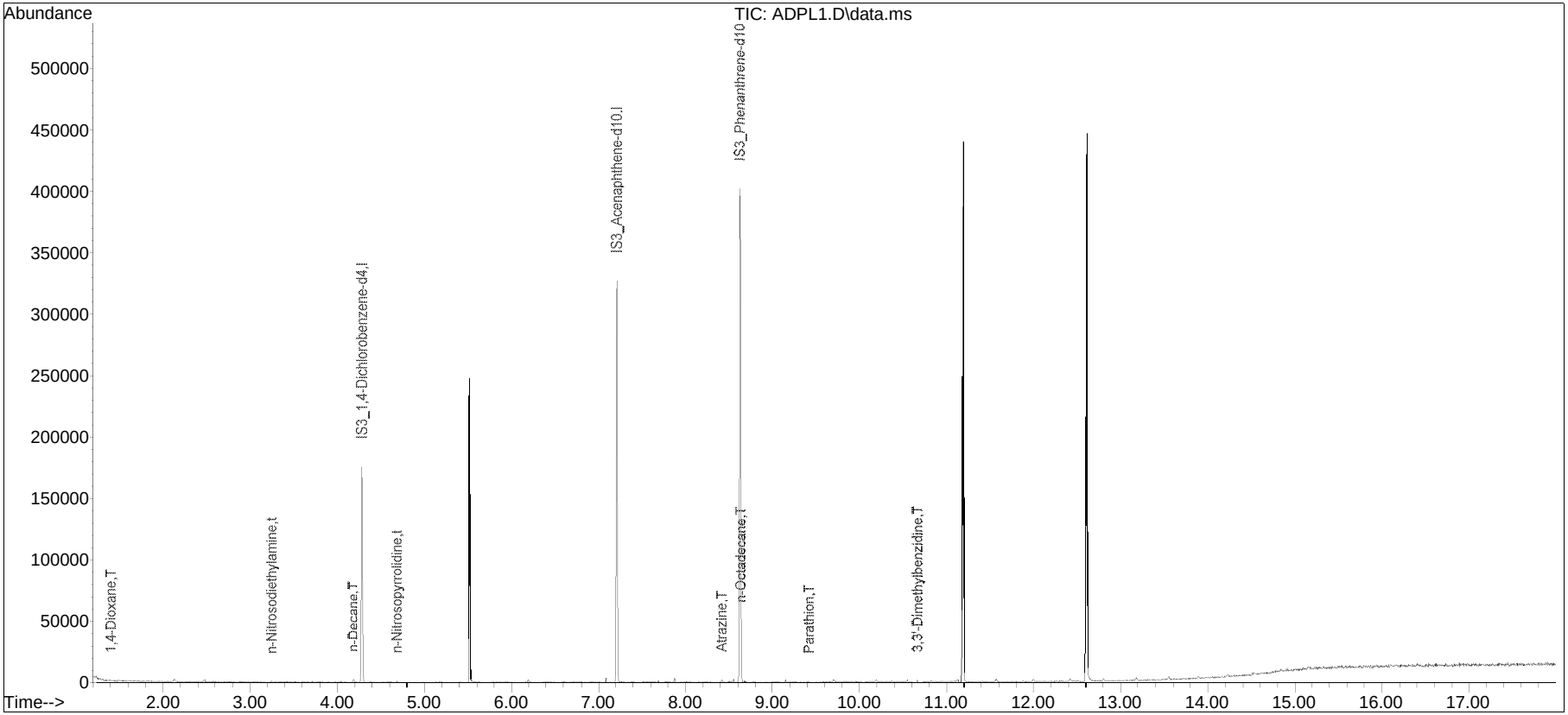
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

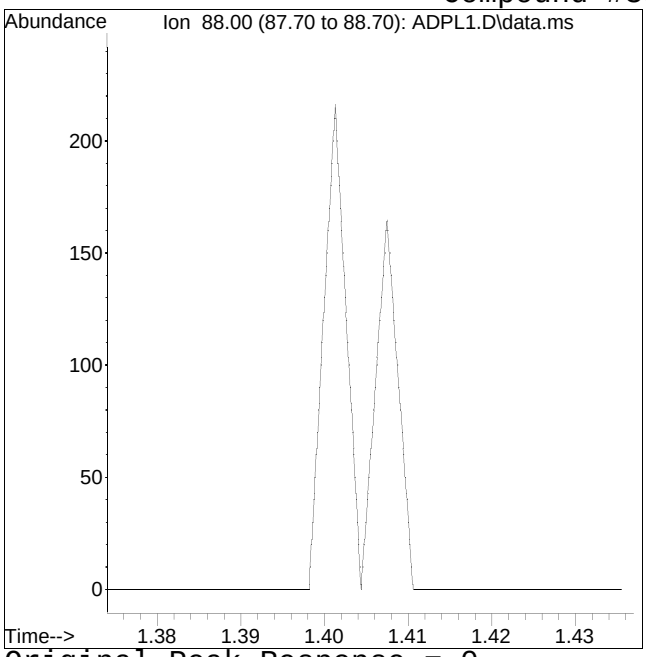
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



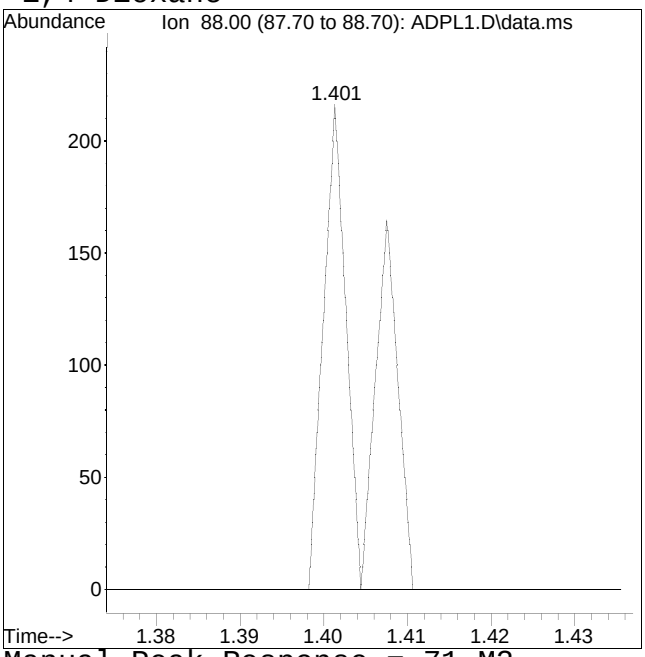
Manual Integration Report

Data Path : I:\8270\Dakota\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 #33: 1,4-Dioxane



Original Peak Response = 0



Manual Peak Response = 71 M2

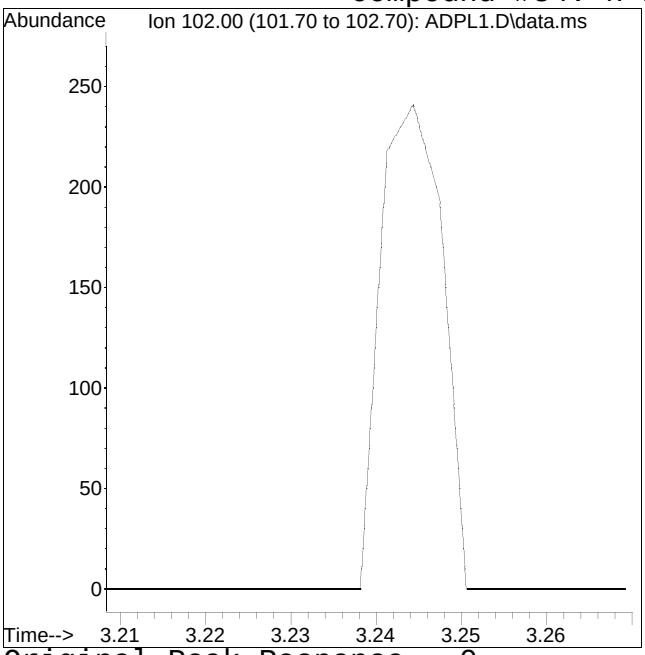
M2 = Peak not found by automatic integration algorithm.

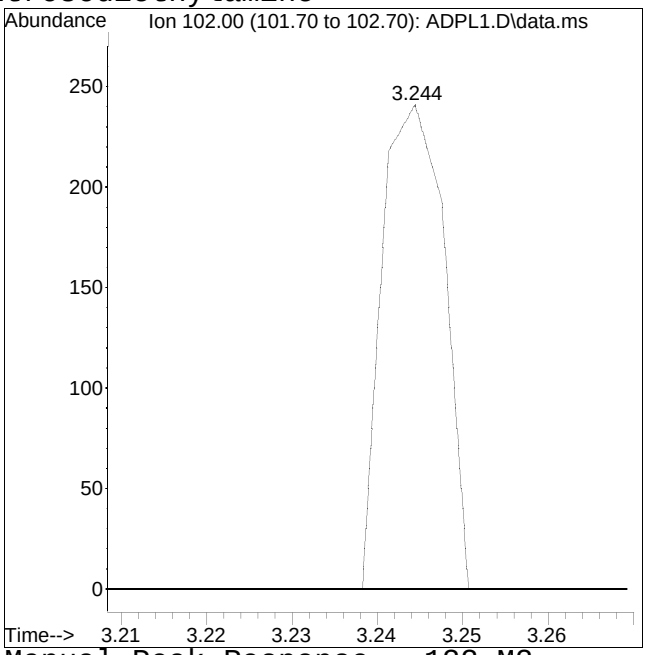
Manual Integration Report

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



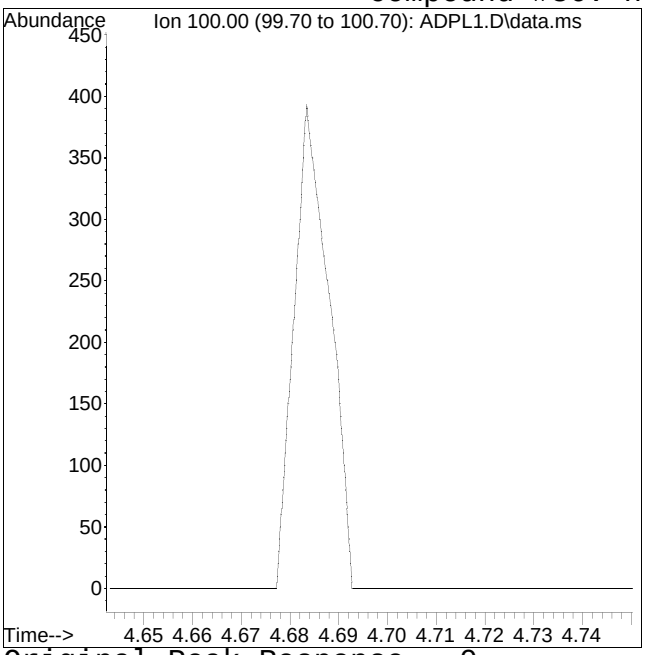


Original Peak Response = 0
Manual Peak Response = 122 M2
M2 = Peak not found by automatic integration algorithm.

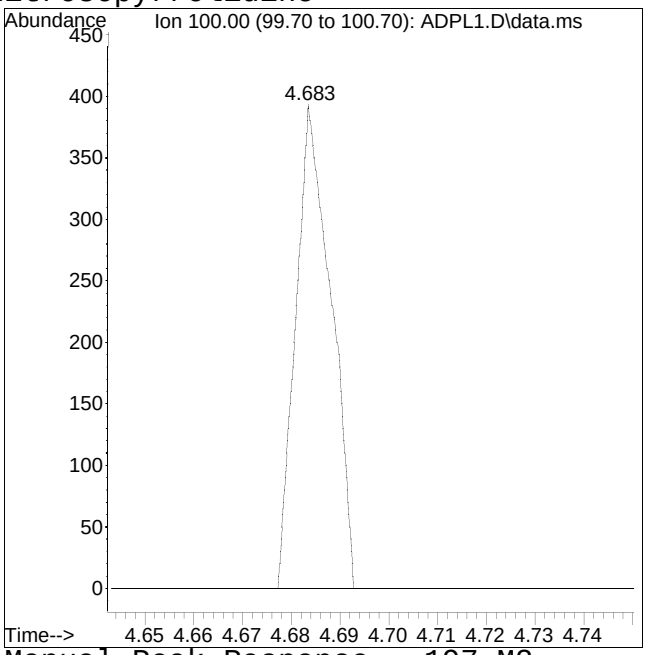
Manual Integration Report

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



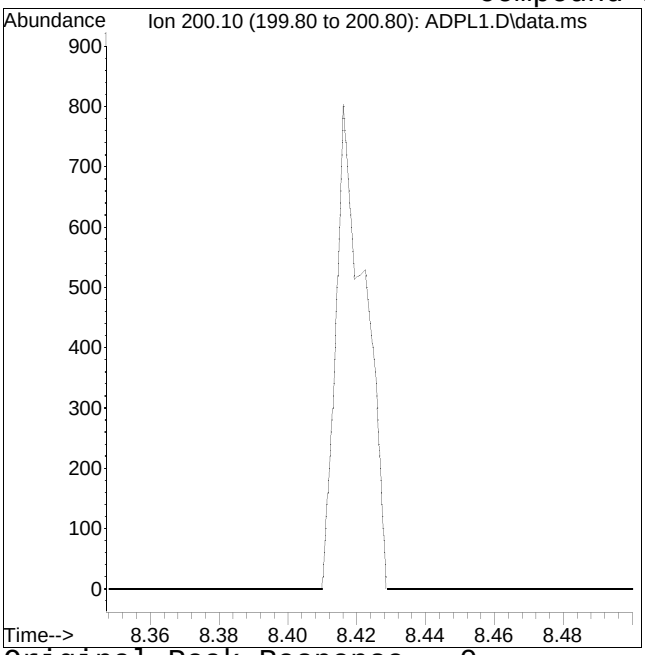
Manual Peak Response = 197 M2

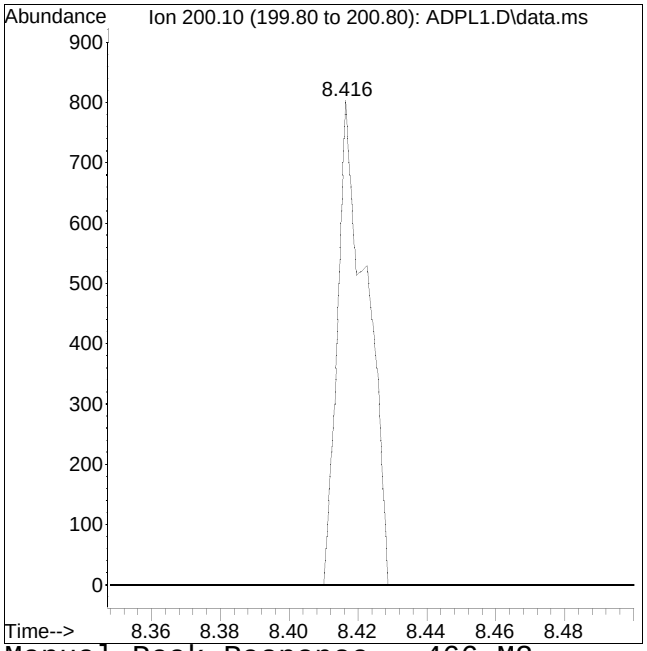
M2 = Peak not found by automatic integration algorithm.

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





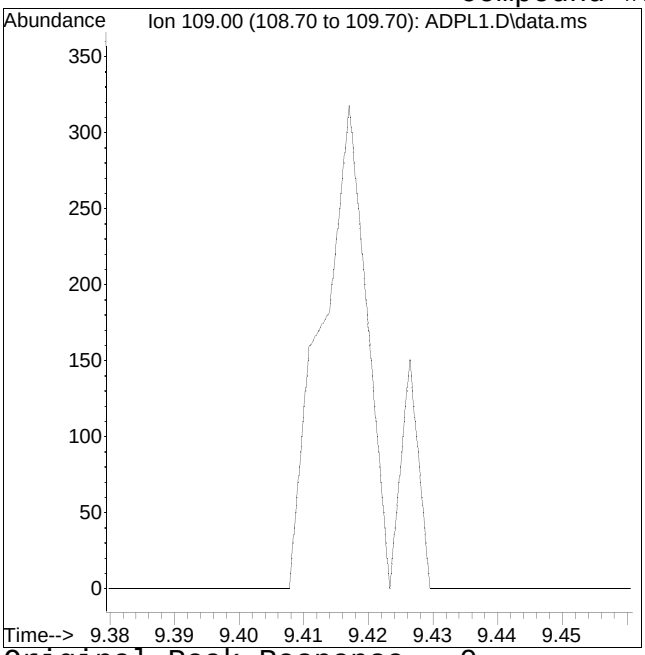
Original Peak Response = 0
Manual Peak Response = 466 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

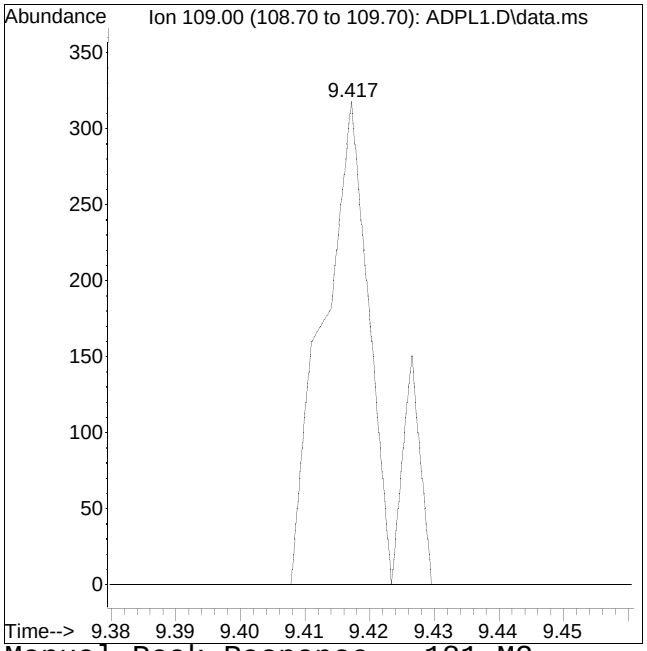
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #104: Parathion



Original Peak Response = 0



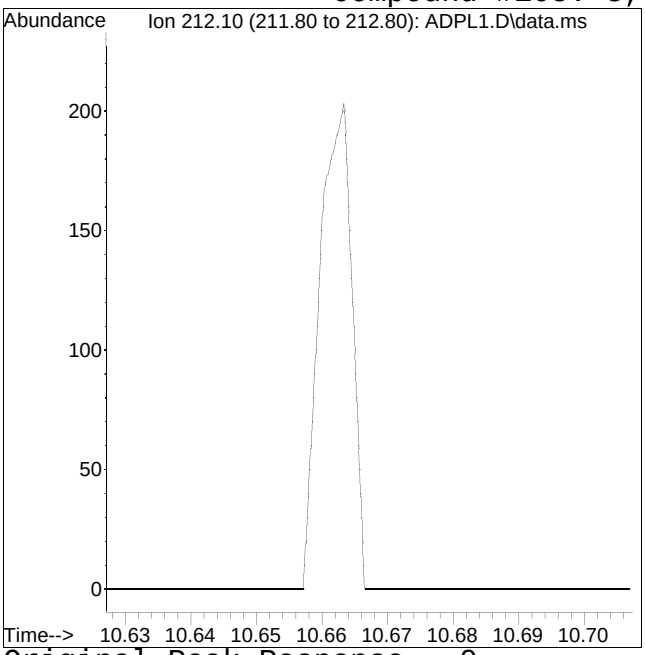
Manual Peak Response = 181 M2

M2 = Peak not found by automatic integration algorithm.

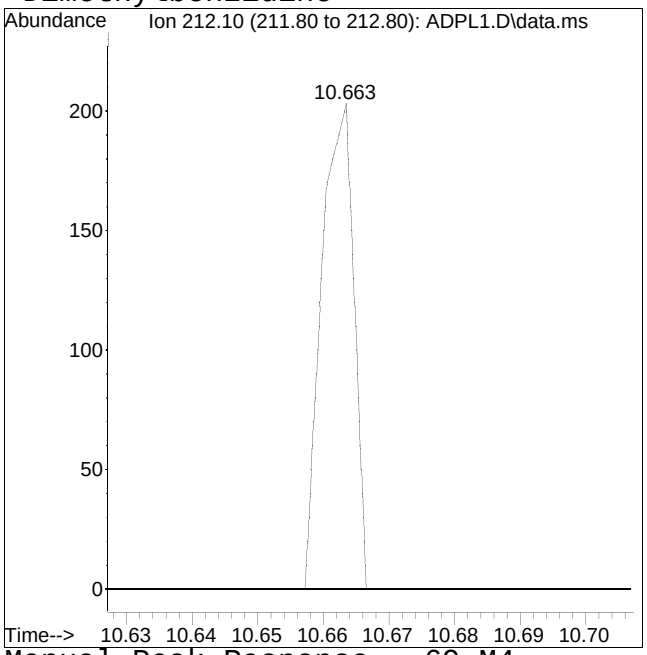
Manual Integration Report

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

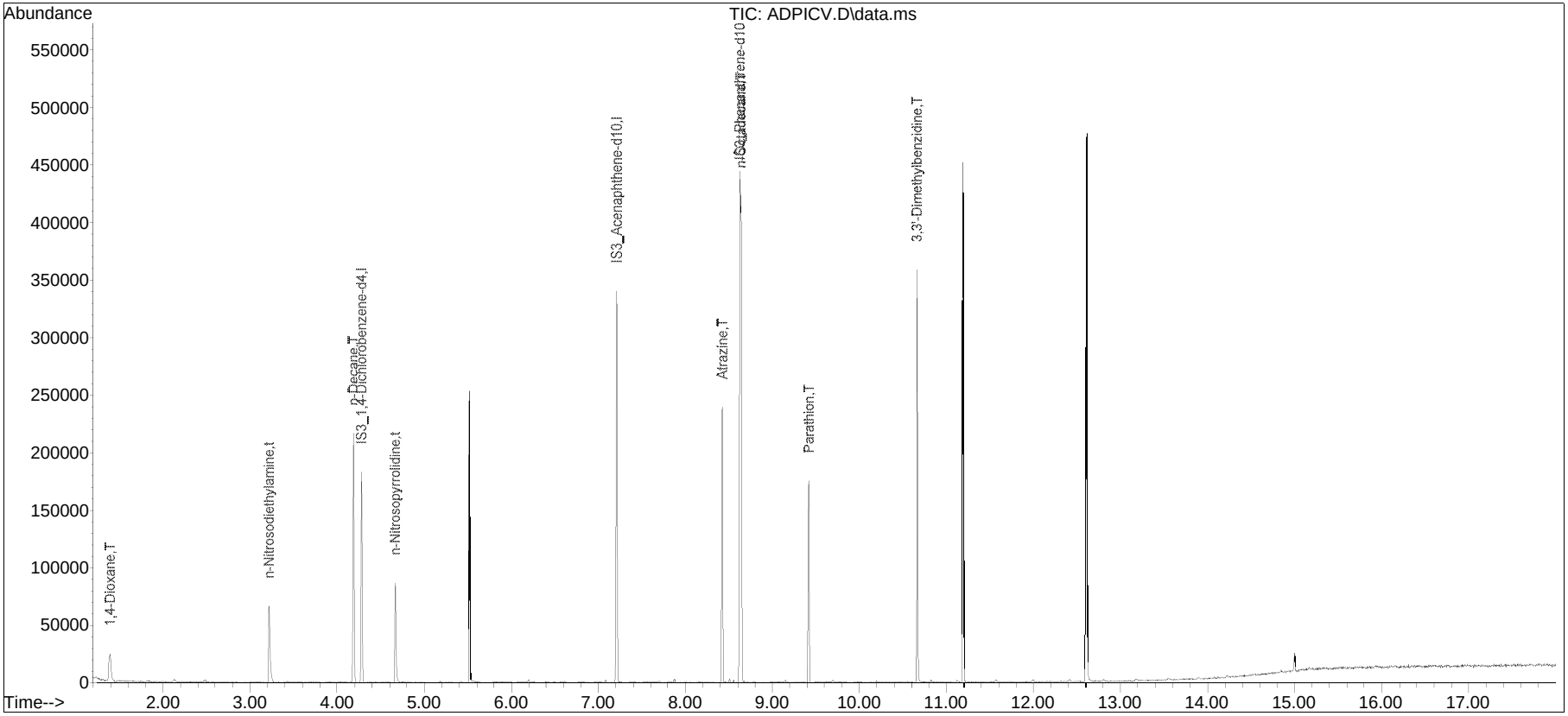
(#) = qualifier out of range (m) = manual integration (+) = signals summed

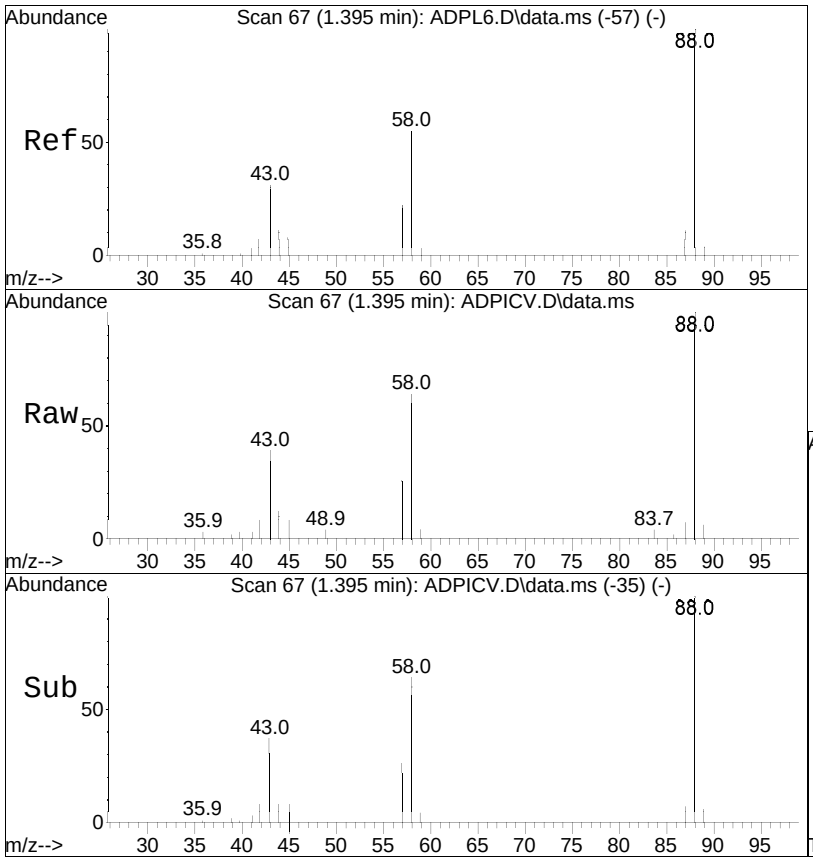
Quantitation Report (QT Reviewed)

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•

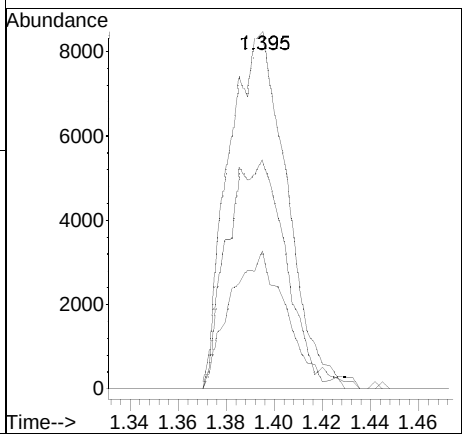


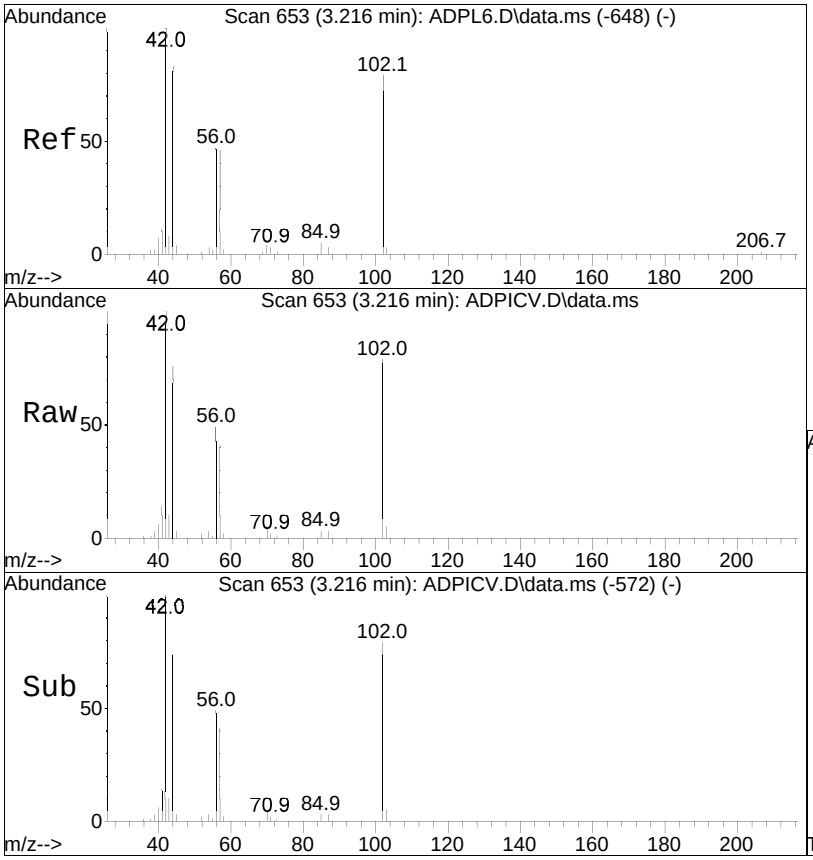


#33
1,4-Dioxane
Concen: 5.35 ug/ml
RT: 1.395 min Scan# 67
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

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#

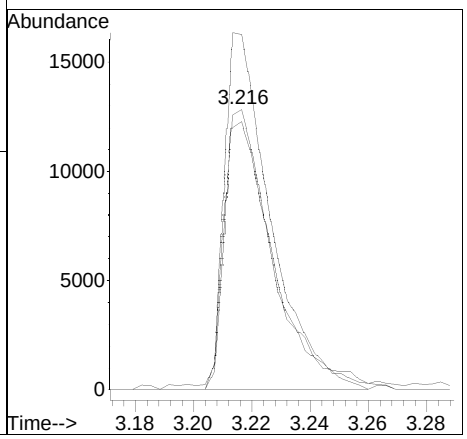


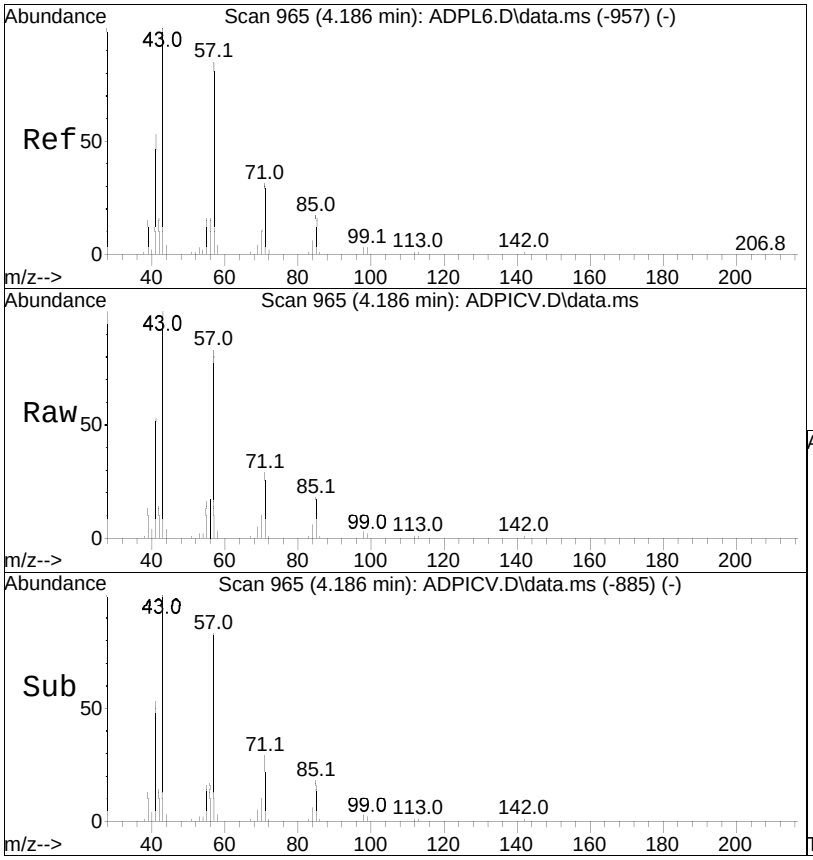


#34
n-Nitrosodiethylamine
Concen: 5.27 ug/ml
RT: 3.216 min Scan# 653
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

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#

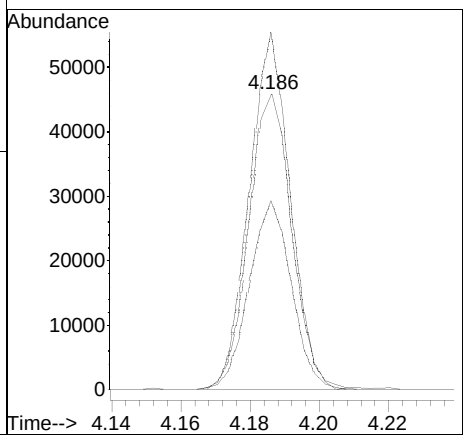


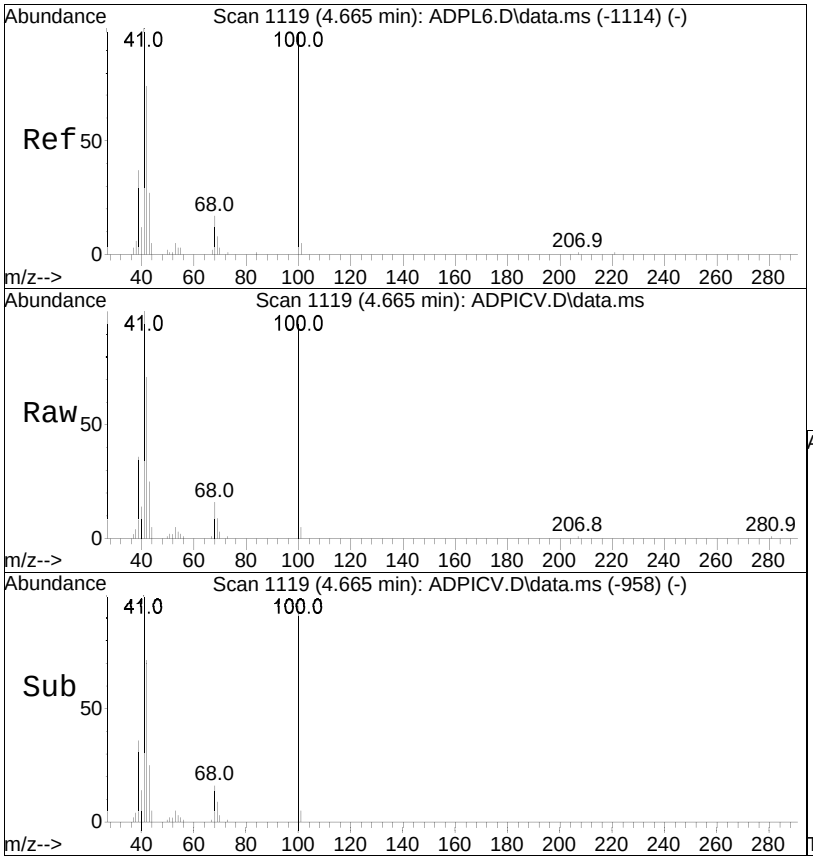


#35
n-Decane
Concen: 5.40 ug/ml
RT: 4.186 min Scan# 965
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

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#

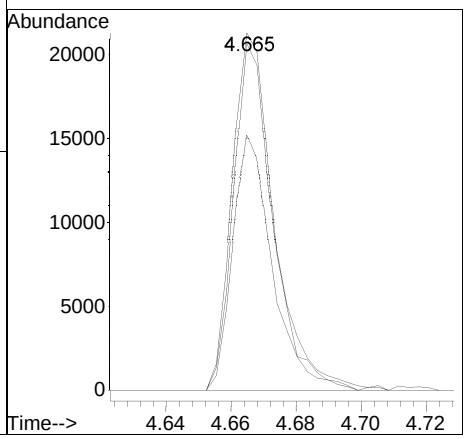


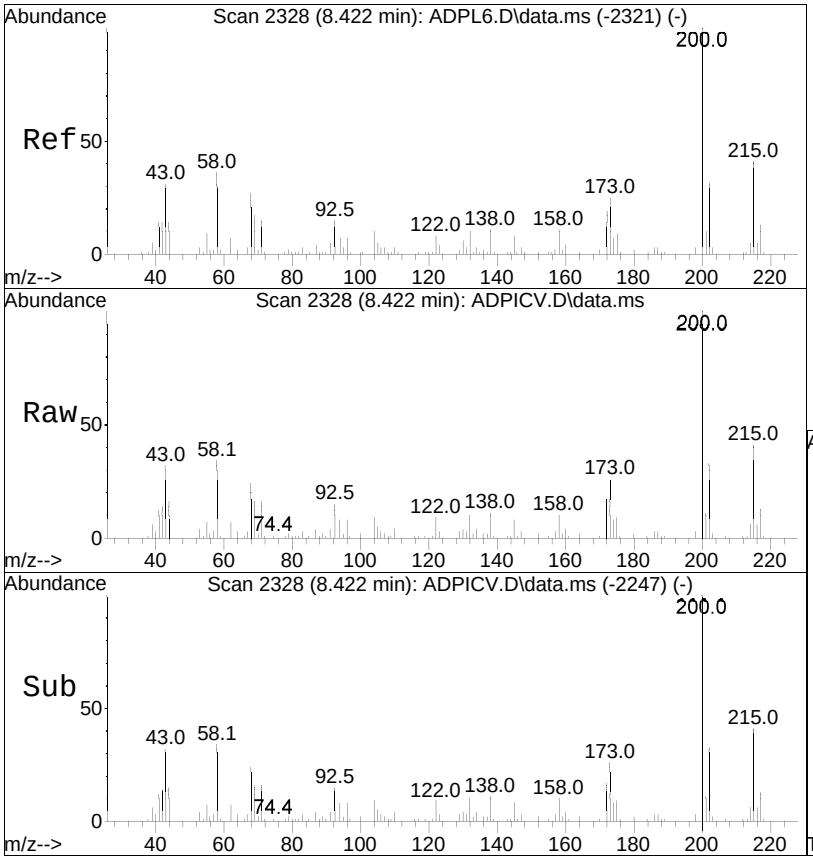


#36
n-Nitrosopyrrolidine
Concen: 5.49 ug/ml
RT: 4.665 min Scan# 1119
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

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#

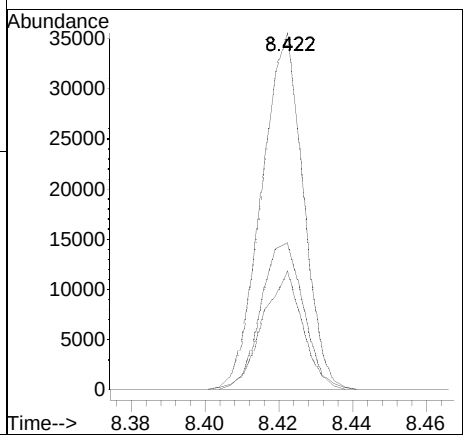


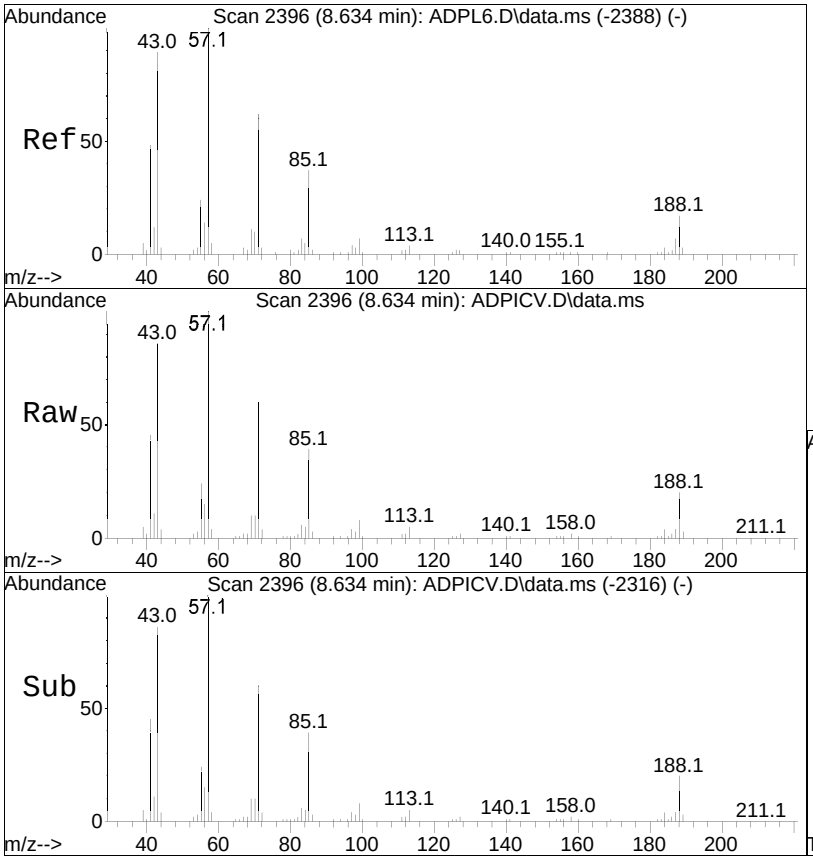


#89
Atrazine
Concen: 5.04 ug/ml
RT: 8.422 min Scan# 2328
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

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

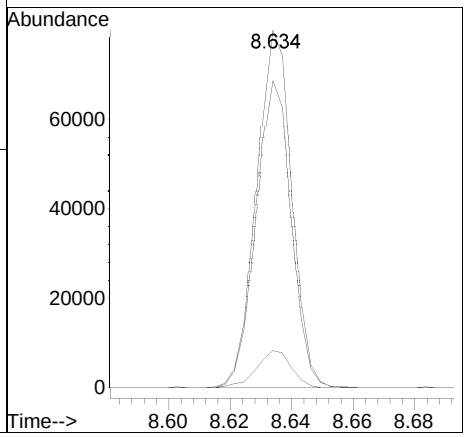


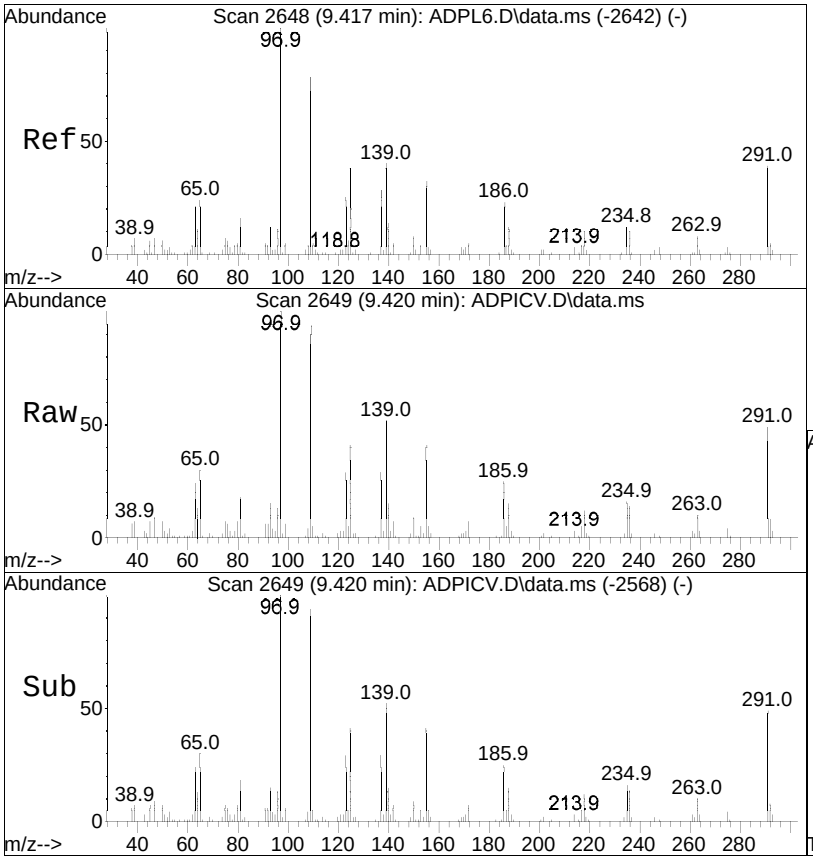


#103
n-Octadecane
Concen: 5.37 ug/ml
RT: 8.634 min Scan# 2396
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

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#

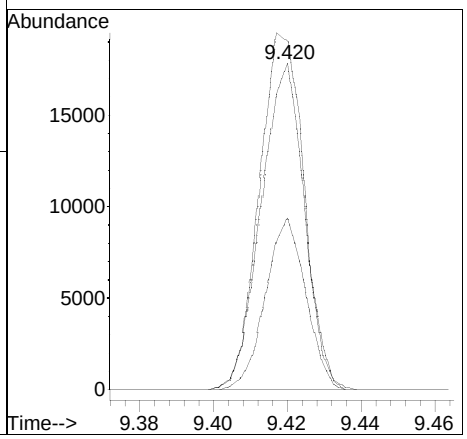


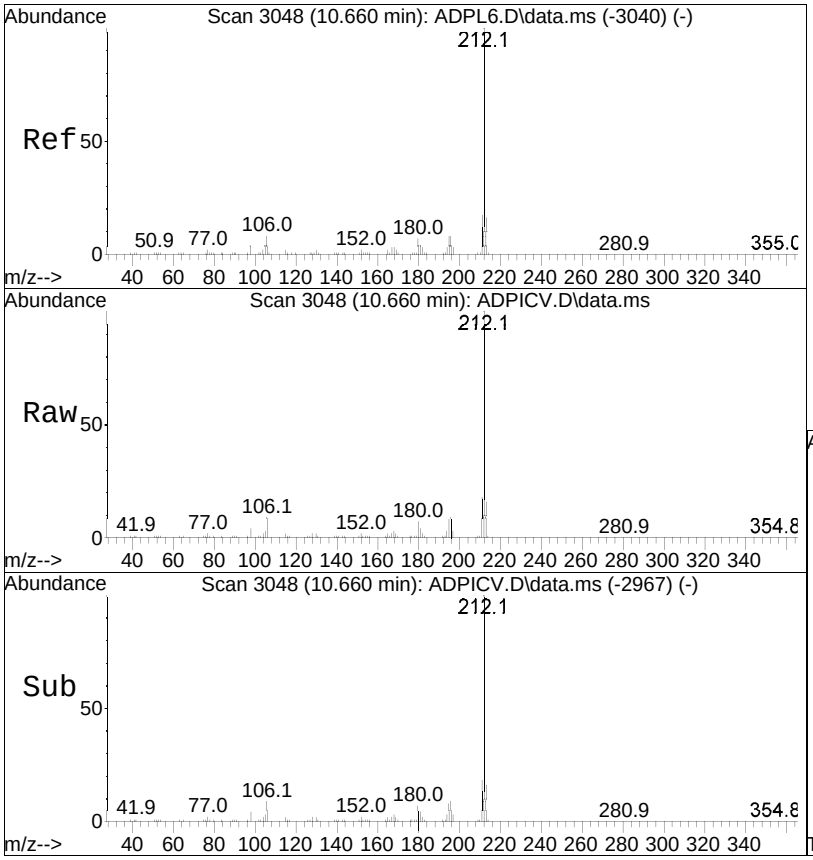


#104
Parathion
Concen: 4.89 ug/ml
RT: 9.420 min Scan# 2649
Delta R.T. 0.003 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

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

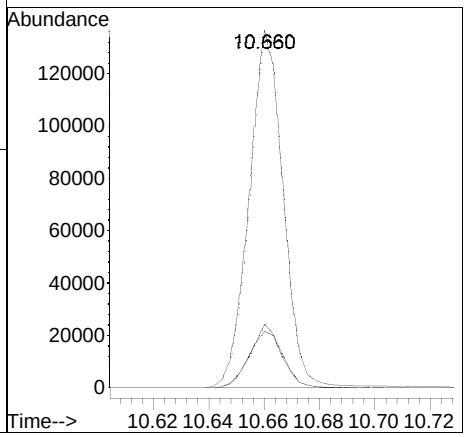




#105
3,3'-Dimethylbenzidine
Concen: 4.51 ug/ml
RT: 10.660 min Scan# 3048
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

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	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 06:41		
Lab File ID	: ABN1205	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005564-3	**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	85	0
n-Nitrosodimethylamine	0.63	0.634	-	-0.6	20	87	0
Pyridine	0.954	1.008	-	-5.7	20	84	0
2-Fluorophenol	1.028	0.966	-	6	20	82	0
Aniline	1.567	1.589	-	-1.4	20	88	0
2-Chlorophenol	1.225	1.235	-	-0.8	20	87	0
Phenol-d6	1.317	1.294	-	1.7	20	86	0
Phenol	1.421	1.433	-	-0.8	20	88	0
Bis(2-chloroethyl)ether	1.017	1.031	-	-1.4	20	89	0
1,3-Dichlorobenzene	1.577	1.507	-	4.4	20	85	0
1,4-Dichlorobenzene	1.61	1.517	-	5.8	20	84	0
1,2-Dichlorobenzene	1.534	1.453	-	5.3	20	84	0
Benzyl alcohol	0.93	0.952	-	-2.4	20	89	0
Bis(2-chloroisopropyl)ethe	1.794	1.892	-	-5.5	20	94	0
2-Methylphenol	1.079	1.068	-	1	20	90	0
Hexachloroethane	0.589	0.554	-	5.9	20	87	0
n-Nitrosodi-n-propylamine	0.863	0.854	-	1	20	89	0
3-Methylphenol/4-Methylphe	1.182	1.171	-	0.9	20	90	0
Nitrobenzene-d5	1.195	1.224	-	-2.4	20	88	0
Nitrobenzene	1.222	1.268	-	-3.8	20	90	0
Isophorone	2.247	2.246	-	0	20	88	0
2-Nitrophenol	0.619	0.661	-	-6.8	20	94	0
2,4-Dimethylphenol	1.101	1.125	-	-2.2	20	90	0
Bis(2-chloroethoxy)methane	1.4	1.452	-	-3.7	20	91	0
2,4-Dichlorophenol	1.285	1.296	-	-0.9	20	88	0
1,2,4-Trichlorobenzene	1.555	1.482	-	4.7	20	85	0
IS1_Naphthalene-d8	1	1	-	0	20	89	0
Naphthalene	1.1	1.026	-	6.7	20	90	0
Benzoic Acid	0.228	0.184	-	19.3	20	80	0
4-Chloroaniline	0.121	0.115	-	5	20	87	0
Hexachlorobutadiene	0.258	0.234	-	9.3	20	84	0
p-Chloro-m-cresol	0.29	0.281	-	3.1	20	90	0
2-Methylnaphthalene	0.761	0.707	-	7.1	20	90	0
1-Methylnaphthalene	0.242	0.222	-	8.3	20	86	0
Hexachlorocyclopentadiene	0.272	0.242	-	11	20	81	0
2,4,6-Trichlorophenol	0.287	0.276	-	3.8	20	89	0
2,4,5-Trichlorophenol	0.32	0.306	-	4.4	20	91	0
2-Fluorobiphenyl	0.99	0.895	-	9.6	20	88	0
2-Chloronaphthalene	0.852	0.768	-	9.9	20	86	0
2-Nitroaniline	0.218	0.218	-	0	20	90	0
1,4-Dinitrobenzene	0.095	0.101	-	-6.3	20	96	0
1,3-Dinitrobenzene	0.113	0.116	-	-2.7	20	91	0
Dimethyl phthalate	0.991	0.923	-	6.9	20	89	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 06:41		
Lab File ID	: ABN1205	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005564-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.195	-	4.6	20	90	0
2,6-Dinitrotoluene	0.185	0.188	-	-1.6	20	91	0
1,2-Dinitrobenzene	0.066	0.073	-	-10.6	20	94	0
IS1_Acenaphthene-d10	1	1	-	0	20	89	0
3-Nitroaniline	0.309	0.315	-	-1.9	20	90	0
Acenaphthene	1.163	1.068	-	8.2	20	90	0
2,4-Dinitrophenol	0.188	0.185	-	1.6	20	96	0
Dibenzofuran	2.006	1.848	-	7.9	20	90	0
2,4-Dinitrotoluene	0.387	0.43	-	-11.1	20	95	0
4-Nitrophenol	0.23	0.266	-	-15.7	20	102	0
2,3,5,6-Tetrachlorophenol	0.436	0.433	-	0.7	20	91	0
2,3,4,6-Tetrachlorophenol	0.428	0.421	-	1.6	20	91	0
Diethyl phthalate	1.575	1.469	-	6.7	20	91	0
Fluorene	1.536	1.435	-	6.6	20	90	0
4-Chlorophenyl phenyl ethe	0.792	0.708	-	10.6	20	88	0
4-Nitroaniline	0.299	0.324	-	-8.4	20	93	0
4,6-Dinitro-o-cresol	0.234	0.262	-	-12	20	97	0
NDPA/DPA	1.337	1.234	-	7.7	20	90	0
Azobenzene	1.281	1.266	-	1.2	20	93	0
2,4,6-Tribromophenol	0.286	0.294	-	-2.8	20	96	0
4-Bromophenyl phenyl ether	0.522	0.47	-	10	20	89	0
Hexachlorobenzene	0.656	0.598	-	8.8	20	91	0
Pentachlorophenol	0.356	0.381	-	-7	20	95	0
IS1_Phenanthrene-d10	1	1	-	0	20	91	0
Phenanthrene	1.183	1.108	-	6.3	20	93	0
Anthracene	1.16	1.094	-	5.7	20	92	0
Carbazole	1.064	1.049	-	1.4	20	94	0
Di-n-butylphthalate	1.207	1.183	-	2	20	91	0
Fluoranthene	1.422	1.363	-	4.1	20	94	0
Benzidine	0.772	0.831	-	-7.6	20	94	0
Pyrene	1.52	1.478	-	2.8	20	94	0
4-Terphenyl-d14	1.157	1.076	-	7	20	92	0
Butyl benzyl phthalate	0.517	0.549	-	-6.2	20	96	0
IS1_Chrysene-d12	1	1	-	0	20	95	0
Benzo(a)anthracene	1.355	1.238	-	8.6	20	94	0
3,3'-Dichlorobenzidine	0.505	0.492	-	2.6	20	93	0
Chrysene	1.349	1.216	-	9.9	20	95	0
Bis(2-ethylhexyl)phthalate	0.726	0.718	-	1.1	20	93	0
Di-n-octylphthalate	1.212	1.225	-	-1.1	20	96	0
Benzo(b)fluoranthene	1.42	1.425	-	-0.4	20	103	0
Benzo(k)fluoranthene	1.383	1.298	-	6.1	20	91	0
Benzo(a)pyrene	1.267	1.26	-	0.6	20	97	0
IS1_Perylene-d12	1	1	-	0	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 06:41		
Lab File ID	: ABN1205	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005564-3	**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	1.159	-	6.1	20	96	0
Dibenzo(a,h)anthracene	1.213	1.162	-	4.2	20	96	0
Benzo(ghi)perylene	1.192	1.116	-	6.4	20	96	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 07:03		
Lab File ID	: AP91205	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005564-4	**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	88	0
Benzaldehyde	0.703	0.753	-	-7.1	20	87	0
Acetophenone	1.403	1.511	-	-7.7	20	91	0
m-Toluidine	1.287	1.396	-	-8.5	20	93	0
2-Chloroaniline	1.368	1.468	-	-7.3	20	91	0
IS2_Naphthalene-d8	1	1	-	0	20	97	0
a-Terpineol	0.221	0.238	-	-7.7	20	99	0
3-Chloroaniline	0.115	0.123	-	-7	20	95	0
2,6-Dichlorophenol	0.296	0.307	-	-3.7	20	93	0
1-chloro-2-nitrobenzene	0.113	0.129	-	-14.2	20	99	0
Caprolactam	0.123	0.128	-	-4.1	20	98	0
1,2,4,5-Tetrachlorobenzene	0.413	0.406	-	1.7	20	90	0
Biphenyl	0.842	0.86	-	-2.1	20	93	0
IS2_Acenaphthene-d10	1	1	-	0	20	96	0
Dichloran	0.169	0.179	-	-5.9	20	104	0
Pentachloronitrobenzene	0.187	0.202	-	-8	20	107	0
IS2_Phenanthrene-d10	1	1	-	0	20	96	0
Diphenamid	0.416	0.455	-	-9.4	20	101	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 07:26		
Lab File ID	: ADP1205	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005564-5	**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	81	0
1,4-Dioxane	0.381	0.427	-	-12.1	20	85	0
n-Decane	1.048	1.188	-	-13.4	20	87	0
IS3_Acenaphthene-d10	1	1	-	0	20	87	0
Atrazine	0.343	0.358	-	-4.4	20	91	0
IS3_Phenanthrene-d10	1	1	-	0	20	88	0
n-Octadecane	0.334	0.363	-	-8.7	20	96	0
Parathion	5	5.065	-	-1.3	20	101	0
3,3'-Dimethylbenzidine	0.728	0.715	-	1.8	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 22:46		
Lab File ID	: ABN1205N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005363-3	**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	72	0
n-Nitrosodimethylamine	0.63	0.632	-	-0.3	20	73	0
Pyridine	0.954	1.017	-	-6.6	20	72	0
2-Fluorophenol	1.028	0.996	-	3.1	20	71	0
Aniline	1.567	1.518	-	3.1	20	71	0
2-Chlorophenol	1.225	1.227	-	-0.2	20	73	0
Phenol-d6	1.317	1.273	-	3.3	20	71	0
Phenol	1.421	1.362	-	4.2	20	70	0
Bis(2-chloroethyl)ether	1.017	0.982	-	3.4	20	72	0
1,3-Dichlorobenzene	1.577	1.477	-	6.3	20	70	0
1,4-Dichlorobenzene	1.61	1.536	-	4.6	20	72	0
1,2-Dichlorobenzene	1.534	1.478	-	3.7	20	72	0
Benzyl alcohol	0.93	0.903	-	2.9	20	71	0
Bis(2-chloroisopropyl)ethe	1.794	1.735	-	3.3	20	73	0
2-Methylphenol	1.079	1.026	-	4.9	20	72	0
Hexachloroethane	0.589	0.549	-	6.8	20	72	0
n-Nitrosodi-n-propylamine	0.863	0.798	-	7.5	20	70	0
3-Methylphenol/4-Methylphe	1.182	1.132	-	4.2	20	73	0
Nitrobenzene-d5	1.195	1.202	-	-0.6	20	73	0
Nitrobenzene	1.222	1.219	-	0.2	20	73	0
Isophorone	2.247	2.16	-	3.9	20	71	0
2-Nitrophenol	0.619	0.67	-	-8.2	20	80	0
2,4-Dimethylphenol	1.101	1.058	-	3.9	20	71	0
Bis(2-chloroethoxy)methane	1.4	1.367	-	2.4	20	72	0
2,4-Dichlorophenol	1.285	1.275	-	0.8	20	73	0
1,2,4-Trichlorobenzene	1.555	1.479	-	4.9	20	72	0
IS1_Naphthalene-d8	1	1	-	0	20	74	0
Naphthalene	1.1	1.014	-	7.8	20	73	0
Benzoic Acid	0.228	0.198	-	13.2	20	71	0
4-Chloroaniline	0.121	0.112	-	7.4	20	70	0
Hexachlorobutadiene	0.258	0.246	-	4.7	20	73	0
p-Chloro-m-cresol	0.29	0.281	-	3.1	20	74	0
2-Methylnaphthalene	0.761	0.709	-	6.8	20	75	0
1-Methylnaphthalene	0.242	0.22	-	9.1	20	70	0
Hexachlorocyclopentadiene	0.272	0.265	-	2.6	20	73	0
2,4,6-Trichlorophenol	0.287	0.281	-	2.1	20	75	0
2,4,5-Trichlorophenol	0.32	0.31	-	3.1	20	76	0
2-Fluorobiphenyl	0.99	0.922	-	6.9	20	75	0
2-Chloronaphthalene	0.852	0.795	-	6.7	20	74	0
2-Nitroaniline	0.218	0.216	-	0.9	20	74	0
1,4-Dinitrobenzene	0.095	0.104	-	-9.5	20	81	0
1,3-Dinitrobenzene	0.113	0.12	-	-6.2	20	77	0
Dimethyl phthalate	0.991	0.952	-	3.9	20	76	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 22:46		
Lab File ID	: ABN1205N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005363-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.245	-	0.6	20	78	0
2,6-Dinitrotoluene	0.185	0.19	-	-2.7	20	75	0
1,2-Dinitrobenzene	0.066	0.076	-	-15.2	20	80	0
IS1_Acenaphthene-d10	1	1	-	0	20	78	0
3-Nitroaniline	0.309	0.311	-	-0.6	20	78	0
Acenaphthene	1.163	1.037	-	10.8	20	76	0
2,4-Dinitrophenol	0.188	0.173	-	8	20	78	0
Dibenzofuran	2.006	1.8	-	10.3	20	77	0
2,4-Dinitrotoluene	0.387	0.404	-	-4.4	20	78	0
4-Nitrophenol	0.23	0.226	-	1.7	20	76	0
2,3,5,6-Tetrachlorophenol	0.436	0.418	-	4.1	20	77	0
2,3,4,6-Tetrachlorophenol	0.428	0.423	-	1.2	20	80	0
Diethyl phthalate	1.575	1.423	-	9.7	20	77	0
Fluorene	1.536	1.398	-	9	20	77	0
4-Chlorophenyl phenyl ethe	0.792	0.703	-	11.2	20	76	0
4-Nitroaniline	0.299	0.31	-	-3.7	20	77	0
4,6-Dinitro-o-cresol	0.234	0.266	-	-13.7	20	86	0
NDPA/DPA	1.337	1.213	-	9.3	20	78	0
Azobenzene	1.281	1.179	-	8	20	76	0
2,4,6-Tribromophenol	0.286	0.293	-	-2.4	20	84	0
4-Bromophenyl phenyl ether	0.522	0.477	-	8.6	20	79	0
Hexachlorobenzene	0.656	0.612	-	6.7	20	82	0
Pentachlorophenol	0.356	0.364	-	-2.2	20	79	0
IS1_Phenanthrene-d10	1	1	-	0	20	80	0
Phenanthrene	1.183	1.083	-	8.5	20	80	0
Anthracene	1.16	1.081	-	6.8	20	80	0
Carbazole	1.064	1.015	-	4.6	20	80	0
Di-n-butylphthalate	1.207	1.159	-	4	20	78	0
Fluoranthene	1.422	1.37	-	3.7	20	83	0
Benzidine	0.772	0.803	-	-4	20	80	0
Pyrene	1.52	1.482	-	2.5	20	83	0
4-Terphenyl-d14	1.157	1.097	-	5.2	20	82	0
Butyl benzyl phthalate	0.517	0.536	-	-3.7	20	82	0
IS1_Chrysene-d12	1	1	-	0	20	88	0
Benzo(a)anthracene	1.355	1.196	-	11.7	20	84	0
3,3'-Dichlorobenzidine	0.505	0.477	-	5.5	20	83	0
Chrysene	1.349	1.169	-	13.3	20	84	0
Bis(2-ethylhexyl)phthalate	0.726	0.67	-	7.7	20	80	0
Di-n-octylphthalate	1.212	1.149	-	5.2	20	83	0
Benzo(b)fluoranthene	1.42	1.381	-	2.7	20	93	0
Benzo(k)fluoranthene	1.383	1.283	-	7.2	20	83	0
Benzo(a)pyrene	1.267	1.23	-	2.9	20	88	0
IS1_Perylene-d12	1	1	-	0	20	89	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 22:46		
Lab File ID	: ABN1205N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005363-3	**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	1.146	-	7.1	20	87	0
Dibenzo(a,h)anthracene	1.213	1.132	-	6.7	20	86	0
Benzo(ghi)perylene	1.192	1.086	-	8.9	20	86	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 23:08		
Lab File ID	: AP91205N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005363-4	**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	74	0
Benzaldehyde	0.703	0.736	-	-4.7	20	71	0
Acetophenone	1.403	1.484	-	-5.8	20	75	0
m-Toluidine	1.287	1.342	-	-4.3	20	75	0
2-Chloroaniline	1.368	1.49	-	-8.9	20	77	0
IS2_Naphthalene-d8	1	1	-	0	20	79	0
a-Terpineol	0.221	0.221	-	0	20	74	0
3-Chloroaniline	0.115	0.122	-	-6.1	20	77	0
2,6-Dichlorophenol	0.296	0.305	-	-3	20	75	0
1-chloro-2-nitrobenzene	0.113	0.131	-	-15.9	20	81	0
Caprolactam	0.123	0.124	-	-0.8	20	77	0
1,2,4,5-Tetrachlorobenzene	0.413	0.42	-	-1.7	20	76	0
Biphenyl	0.842	0.876	-	-4	20	77	0
IS2_Acenaphthene-d10	1	1	-	0	20	78	0
Dichloran	0.169	0.18	-	-6.5	20	85	0
Pentachloronitrobenzene	0.187	0.196	-	-4.8	20	85	0
IS2_Phenanthrene-d10	1	1	-	0	20	80	0
Diphenamid	0.416	0.449	-	-7.9	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 23:31		
Lab File ID	: ADP1205N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005363-5	**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	77	0
1,4-Dioxane	0.381	0.417	-	-9.4	20	79	0
n-Decane	1.048	1.043	-	0.5	20	73	0
IS3_Acenaphthene-d10	1	1	-	0	20	82	0
Atrazine	0.343	0.323	-	5.8	20	77	0
IS3_Phenanthrene-d10	1	1	-	0	20	80	0
n-Octadecane	0.334	0.321	-	3.9	20	78	0
Parathion	5	4.813	-	3.7	20	87	0
3,3'-Dimethylbenzidine	0.728	0.739	-	-1.5	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/06/24 12:06		
Lab File ID	: ABN1206	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2006161-3	**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	77	0
n-Nitrosodimethylamine	0.63	0.675	-	-7.1	20	84	0
Pyridine	0.954	0.988	-	-3.6	20	75	0
2-Fluorophenol	1.028	0.997	-	3	20	76	0
Aniline	1.567	1.572	-	-0.3	20	79	0
2-Chlorophenol	1.225	1.223	-	0.2	20	77	0
Phenol-d6	1.317	1.278	-	3	20	77	0
Phenol	1.421	1.428	-	-0.5	20	79	0
Bis(2-chloroethyl)ether	1.017	0.988	-	2.9	20	77	0
1,3-Dichlorobenzene	1.577	1.513	-	4.1	20	77	0
1,4-Dichlorobenzene	1.61	1.541	-	4.3	20	77	0
1,2-Dichlorobenzene	1.534	1.49	-	2.9	20	78	0
Benzyl alcohol	0.93	0.912	-	1.9	20	77	0
Bis(2-chloroisopropyl)ethe	1.794	1.783	-	0.6	20	80	0
2-Methylphenol	1.079	1.068	-	1	20	81	0
Hexachloroethane	0.589	0.561	-	4.8	20	79	0
n-Nitrosodi-n-propylamine	0.863	0.85	-	1.5	20	80	0
3-Methylphenol/4-Methylphe	1.182	1.168	-	1.2	20	81	0
Nitrobenzene-d5	1.195	1.252	-	-4.8	20	82	0
Nitrobenzene	1.222	1.255	-	-2.7	20	80	0
Isophorone	2.247	2.185	-	2.8	20	77	0
2-Nitrophenol	0.619	0.674	-	-8.9	20	86	0
2,4-Dimethylphenol	1.101	1.109	-	-0.7	20	80	0
Bis(2-chloroethoxy)methane	1.4	1.414	-	-1	20	80	0
2,4-Dichlorophenol	1.285	1.311	-	-2	20	81	0
1,2,4-Trichlorobenzene	1.555	1.511	-	2.8	20	79	0
IS1_Naphthalene-d8	1	1	-	0	20	81	0
Naphthalene	1.1	1.01	-	8.2	20	80	0
Benzoic Acid	0.228	0.177	-	22.4*	20	69	0
4-Chloroaniline	0.121	0.115	-	5	20	78	0
Hexachlorobutadiene	0.258	0.24	-	7	20	77	0
p-Chloro-m-cresol	0.29	0.277	-	4.5	20	80	0
2-Methylnaphthalene	0.761	0.707	-	7.1	20	81	0
1-Methylnaphthalene	0.242	0.224	-	7.4	20	78	0
Hexachlorocyclopentadiene	0.272	0.266	-	2.2	20	80	0
2,4,6-Trichlorophenol	0.287	0.28	-	2.4	20	81	0
2,4,5-Trichlorophenol	0.32	0.31	-	3.1	20	83	0
2-Fluorobiphenyl	0.99	0.897	-	9.4	20	79	0
2-Chloronaphthalene	0.852	0.786	-	7.7	20	79	0
2-Nitroaniline	0.218	0.22	-	-0.9	20	82	0
1,4-Dinitrobenzene	0.095	0.103	-	-8.4	20	88	0
1,3-Dinitrobenzene	0.113	0.116	-	-2.7	20	82	0
Dimethyl phthalate	0.991	0.943	-	4.8	20	82	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/06/24 12:06		
Lab File ID	: ABN1206	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2006161-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.216	-	2.9	20	83	0
2,6-Dinitrotoluene	0.185	0.191	-	-3.2	20	83	0
1,2-Dinitrobenzene	0.066	0.074	-	-12.1	20	85	0
IS1_Acenaphthene-d10	1	1	-	0	20	83	0
3-Nitroaniline	0.309	0.321	-	-3.9	20	86	0
Acenaphthene	1.163	1.051	-	9.6	20	82	0
2,4-Dinitrophenol	0.188	0.186	-	1.1	20	89	0
Dibenzofuran	2.006	1.805	-	10	20	82	0
2,4-Dinitrotoluene	0.387	0.419	-	-8.3	20	86	0
4-Nitrophenol	0.23	0.252	-	-9.6	20	89	0
2,3,5,6-Tetrachlorophenol	0.436	0.425	-	2.5	20	83	0
2,3,4,6-Tetrachlorophenol	0.428	0.417	-	2.6	20	84	0
Diethyl phthalate	1.575	1.408	-	10.6	20	81	0
Fluorene	1.536	1.438	-	6.4	20	84	0
4-Chlorophenyl phenyl ethe	0.792	0.707	-	10.7	20	81	0
4-Nitroaniline	0.299	0.328	-	-9.7	20	87	0
4,6-Dinitro-o-cresol	0.234	0.26	-	-11.1	20	89	0
NDPA/DPA	1.337	1.191	-	10.9	20	81	0
Azobenzene	1.281	1.197	-	6.6	20	81	0
2,4,6-Tribromophenol	0.286	0.291	-	-1.7	20	88	0
4-Bromophenyl phenyl ether	0.522	0.465	-	10.9	20	81	0
Hexachlorobenzene	0.656	0.584	-	11	20	83	0
Pentachlorophenol	0.356	0.377	-	-5.9	20	87	0
IS1_Phenanthrene-d10	1	1	-	0	20	84	0
Phenanthrene	1.183	1.093	-	7.6	20	85	0
Anthracene	1.16	1.092	-	5.9	20	85	0
Carbazole	1.064	1.038	-	2.4	20	86	0
Di-n-butylphthalate	1.207	1.122	-	7	20	80	0
Fluoranthene	1.422	1.38	-	3	20	88	0
Benzidine	0.772	0.81	-	-4.9	20	85	0
Pyrene	1.52	1.492	-	1.8	20	88	0
4-Terphenyl-d14	1.157	1.083	-	6.4	20	86	0
Butyl benzyl phthalate	0.517	0.539	-	-4.3	20	87	0
IS1_Chrysene-d12	1	1	-	0	20	92	0
Benzo(a)anthracene	1.355	1.224	-	9.7	20	90	0
3,3'-Dichlorobenzidine	0.505	0.496	-	1.8	20	91	0
Chrysene	1.349	1.221	-	9.5	20	92	0
Bis(2-ethylhexyl)phthalate	0.726	0.674	-	7.2	20	85	0
Di-n-octylphthalate	1.212	1.157	-	4.5	20	88	0
Benzo(b)fluoranthene	1.42	1.383	-	2.6	20	97	0
Benzo(k)fluoranthene	1.383	1.342	-	3	20	91	0
Benzo(a)pyrene	1.267	1.258	-	0.7	20	94	0
IS1_Perylene-d12	1	1	-	0	20	95	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744	
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504	
Instrument ID	: DAKOTA	**Calibration Date**	: 12/06/24 12:06	
Lab File ID	: ABN1206	**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2006161-3	**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	1.134	-	8.1	20	93	0
Dibenzo(a,h)anthracene	1.213	1.143	-	5.8	20	93	0
Benzo(ghi)perylene	1.192	1.116	-	6.4	20	95	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/06/24 12:28		
Lab File ID	: AP91206	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2006161-4	**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	85	0
Benzaldehyde	0.703	0.762	-	-8.4	20	85	0
Acetophenone	1.403	1.537	-	-9.6	20	89	0
m-Toluidine	1.287	1.39	-	-8	20	89	0
2-Chloroaniline	1.368	1.524	-	-11.4	20	91	0
IS2_Naphthalene-d8	1	1	-	0	20	95	0
a-Terpineol	0.221	0.226	-	-2.3	20	91	0
3-Chloroaniline	0.115	0.12	-	-4.3	20	90	0
2,6-Dichlorophenol	0.296	0.309	-	-4.4	20	92	0
1-chloro-2-nitrobenzene	0.113	0.126	-	-11.5	20	95	0
Caprolactam	0.123	0.123	-	0	20	92	0
1,2,4,5-Tetrachlorobenzene	0.413	0.409	-	1	20	89	0
Biphenyl	0.842	0.854	-	-1.4	20	90	0
IS2_Acenaphthene-d10	1	1	-	0	20	93	0
Dichloran	0.169	0.182	-	-7.7	20	103	0
Pentachloronitrobenzene	0.187	0.199	-	-6.4	20	102	0
IS2_Phenanthrene-d10	1	1	-	0	20	94	0
Diphenamid	0.416	0.445	-	-7	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/06/24 12:51		
Lab File ID	: ADP1206	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2006161-5	**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	79	0
1,4-Dioxane	0.381	0.398	-	-4.5	20	77	0
n-Decane	1.048	1.046	-	0.2	20	75	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.343	0.331	-	3.5	20	83	0
IS3_Phenanthrene-d10	1	1	-	0	20	86	0
n-Octadecane	0.334	0.32	-	4.2	20	83	0
Parathion	5	4.912	-	1.8	20	95	0
3,3'-Dimethylbenzidine	0.728	0.726	-	0.3	20	97	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241205RVT\
Data File : ABN1205.D
Acq On : 5 Dec 2024 6:41 am
Operator : Dakota:slr
Sample : WG2005564-3,32,,ABN 11043 gmr1109B
Misc : WG2005564,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 05 07:31:07 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:32:29 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	85	0.00
2	t	n-Nitrosodimethylamine	0.630	0.634	-0.6	87	0.00
3	t	Pyridine	0.954	1.008	-5.7	84	0.00
4	S	2-Fluorophenol	1.028	0.966	6.0	82	0.00
5	T	Aniline	1.567	1.589	-1.4	88	0.00
6	t	2-Chlorophenol	1.225	1.235	-0.8	87	0.00
7	S	Phenol-d6	1.317	1.294	1.7	86	0.00
8	T	Phenol	1.421	1.433	-0.8	88	0.00
9	T	Bis(2-chloroethyl)ether	1.017	1.031	-1.4	89	0.00
10	T	1,3-Dichlorobenzene	1.577	1.507	4.4	85	0.00
11	T	1,4-Dichlorobenzene	1.610	1.517	5.8	84	0.00
12	T	1,2-Dichlorobenzene	1.534	1.453	5.3	84	0.00
13	t	Benzyl alcohol	0.930	0.952	-2.4	89	0.00
14	T	Bis(2-chloroisopropyl)ether	1.794	1.892	-5.5	94	0.00
15	T	2-Methylphenol	1.079	1.068	1.0	90	0.00
16	T	Hexachloroethane	0.589	0.554	5.9	87	0.00
17	T	n-Nitrosodi-n-propylamine	0.863	0.854	1.0	89	0.00
18	T	3-Methylphenol/4-Methylphen	1.182	1.171	0.9	90	0.00
19	S	Nitrobenzene-d5	1.195	1.224	-2.4	88	0.00
20	T	Nitrobenzene	1.222	1.268	-3.8	90	0.00
21	T	Isophorone	2.247	2.246	0.0	88	0.00
22	T	2-Nitrophenol	0.619	0.661	-6.8	94	0.00
23	T	2,4-Dimethylphenol	1.101	1.125	-2.2	90	0.00
24	T	Bis(2-chloroethoxy)methane	1.400	1.452	-3.7	91	0.00
25	T	2,4-Dichlorophenol	1.285	1.296	-0.9	88	0.00
26	T	1,2,4-Trichlorobenzene	1.555	1.482	4.7	85	0.00
37	I	IS1_Naphthalene-d8	1.000	1.000	0.0	89	0.00
38	T	Naphthalene	1.100	1.026	6.7	90	0.00
39	T	Benzoic Acid	0.228	0.184	19.3	80	0.00
40	T	4-Chloroaniline	0.121	0.115	5.0	87	0.00
41	T	Hexachlorobutadiene	0.258	0.234	9.3	84	0.00
42	T	p-Chloro-m-cresol	0.290	0.281	3.1	90	0.00
43	T	2-Methylnaphthalene	0.761	0.707	7.1	90	0.00
44	T	1-Methylnaphthalene	0.242	0.222	8.3	86	0.00
45	T	Hexachlorocyclopentadiene	0.272	0.242	11.0	81	0.00
46	T	2,4,6-Trichlorophenol	0.287	0.276	3.8	89	0.00
47	T	2,4,5-Trichlorophenol	0.320	0.306	4.4	91	0.00
48	S	2-Fluorobiphenyl	0.990	0.895	9.6	88	0.00

Data Path : I:\8270\Dakota\241205RVT\
Data File : ABN1205.D
Acq On : 5 Dec 2024 6:41 am
Operator : Dakota:slr
Sample : WG2005564-3,32,,ABN 11043 gmr1109B
Misc : WG2005564,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 05 07:31:07 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:32:29 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	0.768	9.9	86	0.00
50	T	2-Nitroaniline	0.218	0.218	0.0	90	0.00
51	T	1,4-Dinitrobenzene	0.095	0.101	-6.3	96	0.00
52	T	1,3-Dinitrobenzene	0.113	0.116	-2.7	91	0.00
53	T	Dimethyl phthalate	0.991	0.923	6.9	89	0.00
54	T	Acenaphthylene	1.252	1.195	4.6	90	0.00
55	T	2,6-Dinitrotoluene	0.185	0.188	-1.6	91	0.00
56	T	1,2-Dinitrobenzene	0.066	0.073	-10.6	94	0.00
65	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	89	0.00
66	T	3-Nitroaniline	0.309	0.315	-1.9	90	0.00
67	T	Acenaphthene	1.163	1.068	8.2	90	0.00
68	T	2,4-Dinitrophenol	0.188	0.185	1.6	96	0.00
69	T	Dibenzofuran	2.006	1.848	7.9	90	0.00
70	T	2,4-Dinitrotoluene	0.387	0.430	-11.1	95	0.00
71	T	4-Nitrophenol	0.230	0.266	-15.7	102	0.00
72	T	2,3,5,6-Tetrachlorophenol	0.436	0.433	0.7	91	0.00
73	T	2,3,4,6-Tetrachlorophenol	0.428	0.421	1.6	91	0.00
74	T	Diethyl phthalate	1.575	1.469	6.7	91	0.00
75	T	Fluorene	1.536	1.435	6.6	90	0.00
76	T	4-Chlorophenyl phenyl ether	0.792	0.708	10.6	88	0.00
77	T	4-Nitroaniline	0.299	0.324	-8.4	93	0.00
78	T	4,6-Dinitro-o-cresol	0.234	0.262	-12.0	97	0.00
79	T	NDPA/DPA	1.337	1.234	7.7	90	0.00
80	T	Azobenzene	1.281	1.266	1.2	93	0.00
81	S	2,4,6-Tribromophenol	0.286	0.294	-2.8	96	0.00
82	T	4-Bromophenyl phenyl ether	0.522	0.470	10.0	89	0.00
83	T	Hexachlorobenzene	0.656	0.598	8.8	91	0.00
84	T	Pentachlorophenol	0.356	0.381	-7.0	95	0.00
90	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	91	0.00
91	T	Phenanthrene	1.183	1.108	6.3	93	0.00
92	T	Anthracene	1.160	1.094	5.7	92	0.00
93	T	Carbazole	1.064	1.049	1.4	94	0.00
94	T	Di-n-butylphthalate	1.207	1.183	2.0	91	0.00
95	T	Fluoranthene	1.422	1.363	4.1	94	0.00
96	T	Benzidine	0.772	0.831	-7.6	94	0.00
97	T	Pyrene	1.520	1.478	2.8	94	0.00
98	S	4-Terphenyl-d14	1.157	1.076	7.0	92	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241205RVT\
Data File : ABN1205.D
Acq On : 5 Dec 2024 6:41 am
Operator : Dakota:slr
Sample : WG2005564-3,32,,ABN 11043 gmr1109B
Misc : WG2005564,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 05 07:31:07 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:32:29 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	0.549	-6.2	96	0.00
106	I	IS1_Chrysene-d12	1.000	1.000	0.0	95	0.00
107	T	Benzo(a)anthracene	1.355	1.238	8.6	94	0.00
108	T	3,3'-Dichlorobenzidine	0.505	0.492	2.6	93	0.00
109	T	Chrysene	1.349	1.216	9.9	95	0.00
110	T	Bis(2-ethylhexyl)phthalate	0.726	0.718	1.1	93	0.00
111	T	Di-n-octylphthalate	1.212	1.225	-1.1	96	0.00
112	T	Benzo(b)fluoranthene	1.420	1.425	-0.4	103	0.00
113	T	Benzo(k)fluoranthene	1.383	1.298	6.1	91	0.00
114	T	Benzo(a)pyrene	1.267	1.260	0.6	97	0.00
115	I	IS1_Perylene-d12	1.000	1.000	0.0	97	0.00
116	T	Indeno(1,2,3-cd)pyrene	1.234	1.159	6.1	96	0.00
117	T	Dibenzo(a,h)anthracene	1.213	1.162	4.2	96	0.00
118	T	Benzo(ghi)perylene	1.192	1.116	6.4	96	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\241205RVT\
Data File : ABN1205.D
Acq On : 5 Dec 2024 6:41 am
Operator : Dakota:slr
Sample : WG2005564-3,32,,ABN 11043 gmr1109B
Misc : WG2005564,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 05 07:31:07 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:32:29 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...	4.152	152	24601	4.000	ug/ml		0.00
37) IS1_Naphthalene-d8	5.392	136	96194	4.000	ug/ml	#	0.00
65) IS1_Acenaphthene-d10	7.080	164	62067	4.000	ug/ml		0.00
90) IS1_Phenanthrene-d10	8.491	188	136315	4.000	ug/ml		0.00
106) IS1_Chrysene-d12	11.046	240	164893	4.000	ug/ml		0.00
115) IS1_Perylene-d12	12.454	264	196513	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.853	112	29692	4.695	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 234.75%#				
7) Phenol-d6	3.866	99	39784	4.912	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 245.60%#				
19) Nitrobenzene-d5	4.705	82	37625	5.119	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 511.90%#				
48) 2-Fluorobiphenyl	6.468	172	107576	4.518	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 451.80%#				
81) 2,4,6-Tribromophenol	7.838	330	22837	5.147	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 257.35%#				
98) 4-Terphenyl-d14	10.060	244	183309	4.647	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 464.70%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.463	74	19506	5.032	ug/ml		83
3) Pyridine	1.485	79	31007	5.285	ug/ml	#	58
5) Aniline	3.835	93	48866	5.071	ug/ml		96
6) 2-Chlorophenol	3.950	128	37976	5.040	ug/ml		89
8) Phenol	3.878	94	44070	5.044	ug/ml		95
9) Bis(2-chloroethyl)ether	3.931	93	31715	5.069	ug/ml		98
10) 1,3-Dichlorobenzene	4.093	146	46342	4.779	ug/ml		93
11) 1,4-Dichlorobenzene	4.168	146	46653	4.712	ug/ml		95
12) 1,2-Dichlorobenzene	4.317	146	44688	4.736	ug/ml		93
13) Benzyl alcohol	4.326	79	29276	5.118	ug/ml		99
14) Bis(2-chloroisopropyl)...	4.469	45	58193	5.274	ug/ml	#	65
15) 2-Methylphenol	4.472	108	32849	4.948	ug/ml		99
16) Hexachloroethane	4.640	117	17045	4.702	ug/ml	#	52
17) n-Nitrosodi-n-propylamine	4.596	70	26269	4.951	ug/ml	#	87
18) 3-Methylphenol/4-Methy...	4.634	108	36001	4.950	ug/ml		98
20) Nitrobenzene	4.724	77	38988	5.187	ug/ml		99
21) Isophorone	4.969	82	69061	4.997	ug/ml	#	93
22) 2-Nitrophenol	5.041	139	20329	5.342	ug/ml	#	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : ABN1205.D
Acq On : 5 Dec 2024 6:41 am
Operator : Dakota:slr
Sample : WG2005564-3,32,,ABN 11043 gmr1109B
Misc : WG2005564,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 05 07:31:07 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:32:29 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	5.140	107	34581	5.108	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.218	93	44646	5.186	ug/ml#	98
25) 2,4-Dichlorophenol	5.286	162	39847	5.042	ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.352	180	45583	4.766	ug/ml#	97
38) Naphthalene	5.411	128	123316	4.661	ug/ml	100
39) Benzoic Acid	5.237	105	22175	4.049	ug/ml	91
40) 4-Chloroaniline	5.498	65	13817	4.751	ug/ml#	68
41) Hexachlorobutadiene	5.569	225	28140	4.528	ug/ml	98
42) p-Chloro-m-cresol	6.011	107	33759	4.843	ug/ml	91
43) 2-Methylnaphthalene	6.088	142	84965	4.641	ug/ml	95
44) 1-Methylnaphthalene	6.182	115	26711	4.589	ug/ml	91
45) Hexachlorocyclopentadiene	6.262	237	29140	4.451	ug/ml	98
46) 2,4,6-Trichlorophenol	6.387	196	33203	4.818	ug/ml	99
47) 2,4,5-Trichlorophenol	6.415	196	36827	4.779	ug/ml	97
49) 2-Chloronaphthalene	6.548	162	92328	4.504	ug/ml	93
50) 2-Nitroaniline	6.673	138	26197	4.994	ug/ml#	79
51) 1,4-Dinitrobenzene	6.806	168	12128	5.323	ug/ml	88
52) 1,3-Dinitrobenzene	6.881	168	13984	5.124	ug/ml#	1
53) Dimethyl phthalate	6.881	163	110960	4.657	ug/ml#	97
54) Acenaphthylene	6.940	152	143664	4.772	ug/ml	99
55) 2,6-Dinitrotoluene	6.921	165	22633	5.088	ug/ml#	78
56) 1,2-Dinitrobenzene	6.959	168	8812	5.532	ug/ml	100
66) 3-Nitroaniline	7.071	138	24424	5.096	ug/ml	87
67) Acenaphthene	7.111	154	82872	4.591	ug/ml	87
68) 2,4-Dinitrophenol	7.173	184	14369	4.923	ug/ml#	83
69) Dibenzofuran	7.279	168	143377	4.606	ug/ml#	87
70) 2,4-Dinitrotoluene	7.301	165	33370	5.555	ug/ml#	71
71) 4-Nitrophenol	7.282	65	20646	5.778	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.378	232	33607	4.963	ug/ml	97
73) 2,3,4,6-Tetrachlorophenol	7.419	232	32649	4.918	ug/ml	99
74) Diethyl phthalate	7.568	149	113967	4.665	ug/ml	98
75) Fluorene	7.608	166	111348	4.671	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.636	204	54918	4.470	ug/ml#	86
77) 4-Nitroaniline	7.652	138	25173	5.433	ug/ml#	80
78) 4,6-Dinitro-o-cresol	7.686	198	20346	5.603	ug/ml#	60
79) NDPA/DPA	7.754	169	95766	4.618	ug/ml	91
80) Azobenzene	7.782	77	98231	4.943	ug/ml	97
82) 4-Bromophenyl phenyl e...	8.096	248	36503	4.511	ug/ml#	80
83) Hexachlorobenzene	8.140	284	46407	4.556	ug/ml#	79
84) Pentachlorophenol	8.339	266	29526	5.347	ug/ml	99
91) Phenanthrene	8.513	178	188826	4.685	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : ABN1205.D
Acq On : 5 Dec 2024 6:41 am
Operator : Dakota:slr
Sample : WG2005564-3,32,,ABN 11043 gmr1109B
Misc : WG2005564,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 05 07:31:07 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:32:29 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	Anthracene	8.562	178	186327	4.714	ug/ml	98
93)	Carbazole	8.740	167	178759	4.928	ug/ml	98
94)	Di-n-butylphthalate	9.147	149	201630	4.903	ug/ml#	98
95)	Fluoranthene	9.647	202	232245	4.792	ug/ml#	92
96)	Benzidine	9.815	184	141641	5.385	ug/ml#	95
97)	Pyrene	9.855	202	251892	4.864	ug/ml	99
99)	Butyl benzyl phthalate	10.576	149	93533	5.309	ug/ml#	82
107)	Benzo(a)anthracene	11.040	228	255150	4.567	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.055	252	101324	4.868	ug/ml#	97
109)	Chrysene	11.074	228	250614	4.507	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.201	149	148016	4.943	ug/ml#	88
111)	Di-n-octylphthalate	11.854	149	252547	5.056	ug/ml#	72
112)	Benzo(b)fluoranthene	12.103	252	293761	5.019	ug/ml#	93
113)	Benzo(k)fluoranthene	12.127	252	267500	4.691	ug/ml#	93
114)	Benzo(a)pyrene	12.401	252	259663	4.972	ug/ml#	94
116)	Indeno(1,2,3-cd)pyrene	13.386	276	284638	4.694	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.411	278	285457	4.791	ug/ml#	90
118)	Benzo(ghi)perylene	13.594	276	274175	4.681	ug/ml#	86

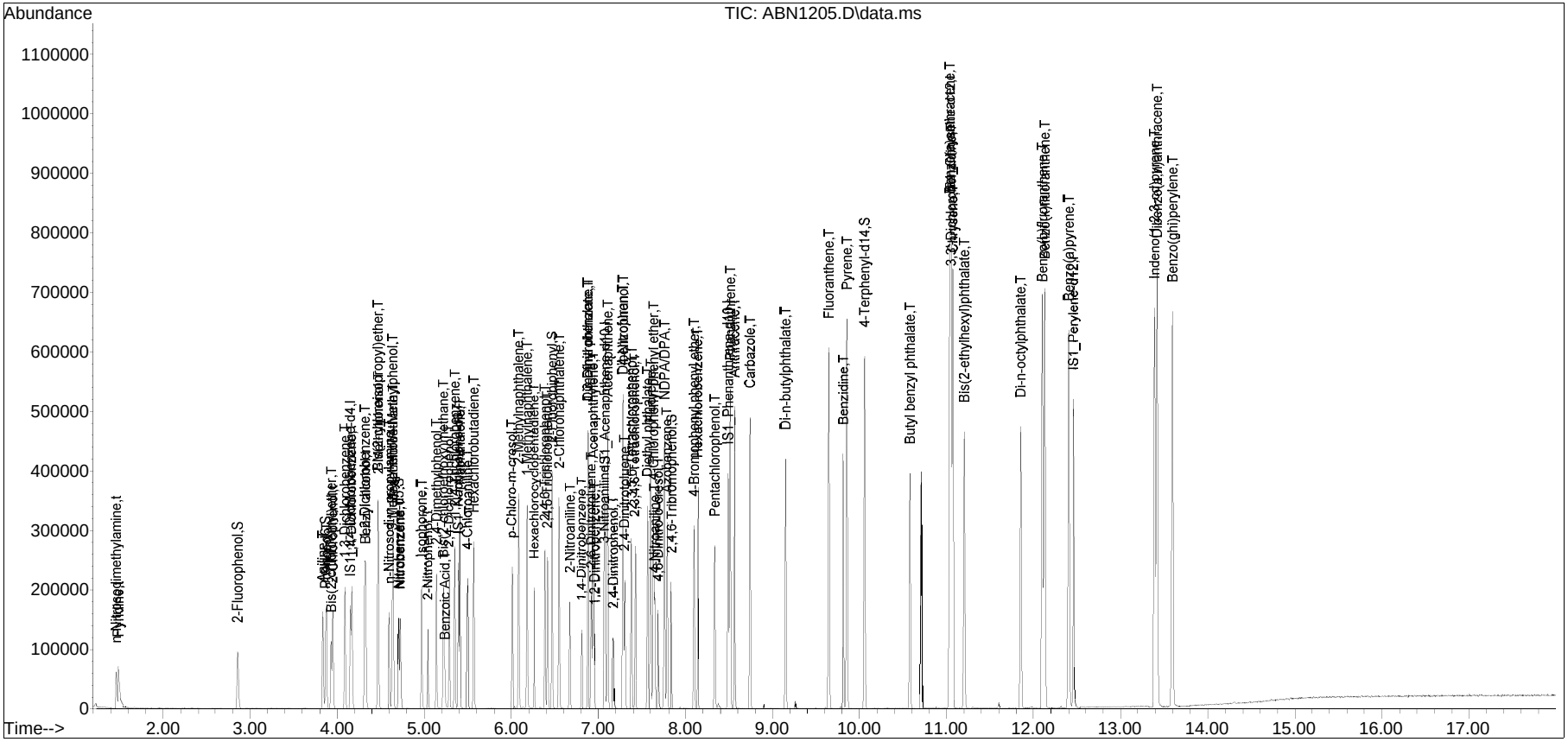
(#) = qualifier out of range (m) = manual integration (+) = signals summed

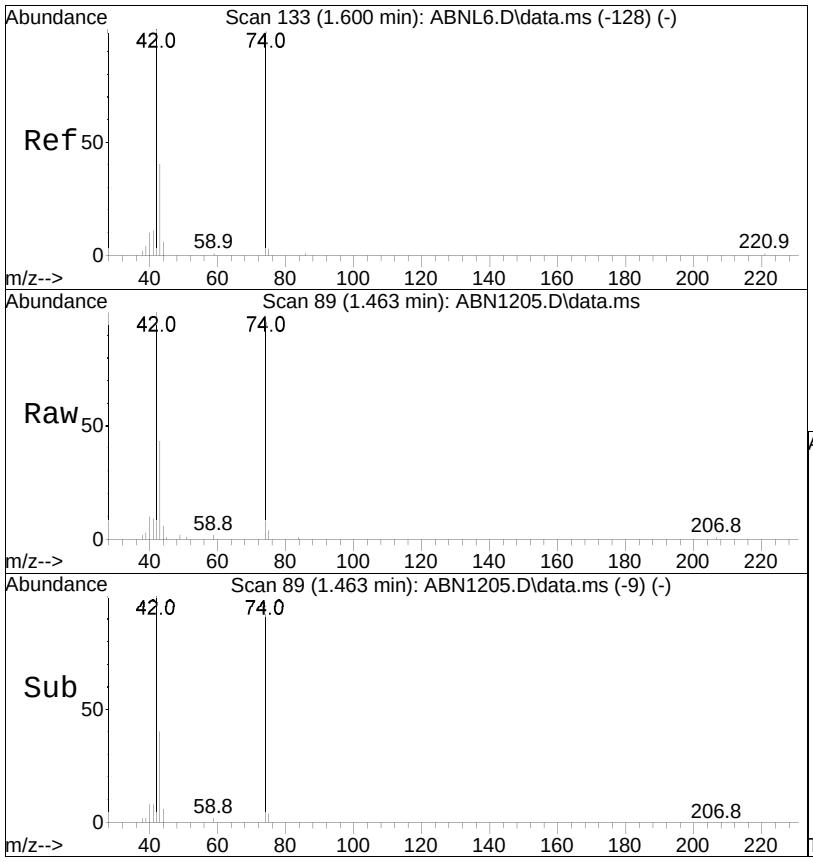
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : ABN1205.D
Acq On : 5 Dec 2024 6:41 am
Operator : Dakota:slr
Sample : WG2005564-3,32,,ABN 11043 gmr1109B
Misc : WG2005564,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 05 07:31:07 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:32:29 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

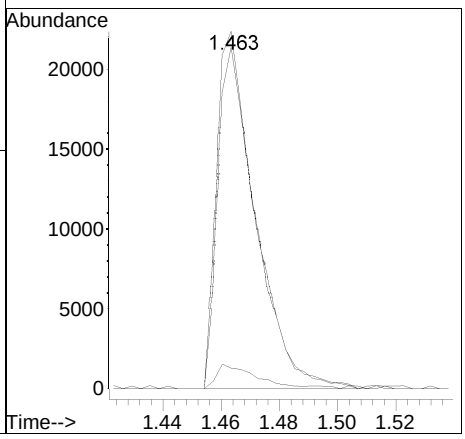


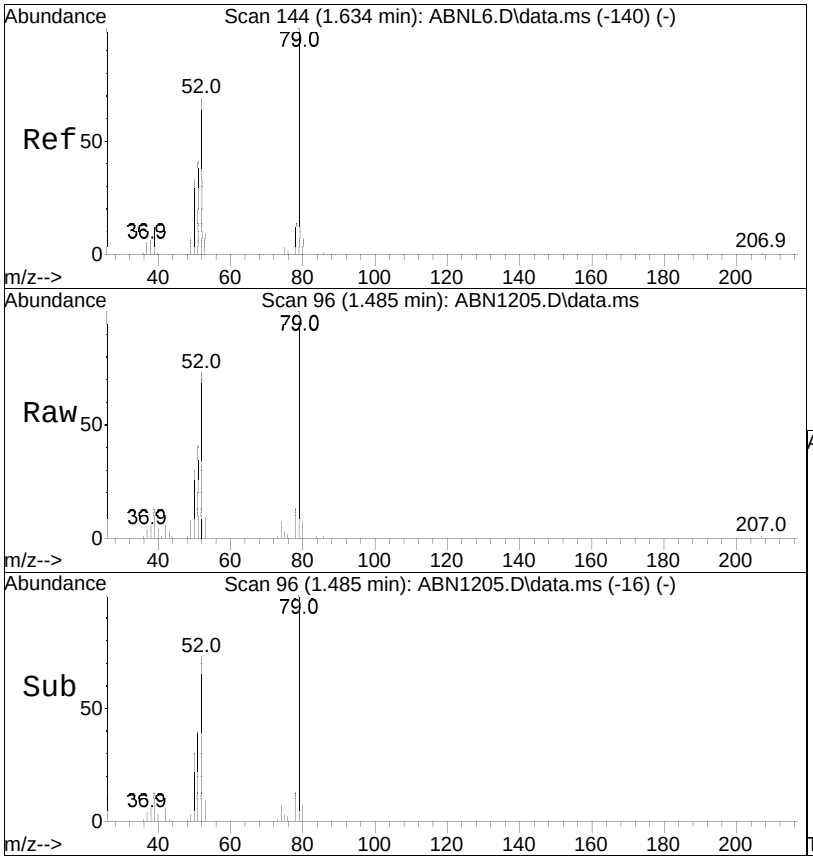


#2
n-Nitrosodimethylamine
Concen: 5.03 ug/ml
RT: 1.463 min Scan# 89
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion: 74 Resp: 19506

Ion	Ratio	Lower	Upper
74	100		
42	104.8	100.0	150.0
44	7.2	6.7	10.1

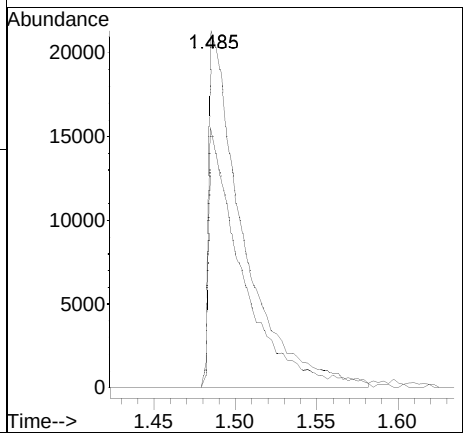


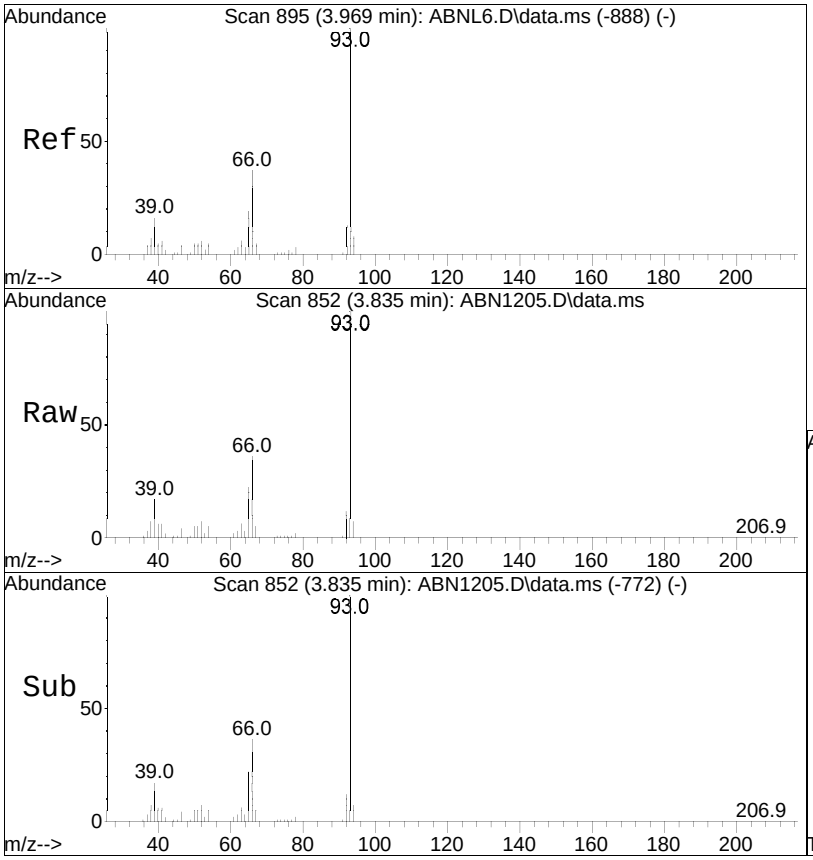


#3
Pyridine
Concen: 5.28 ug/ml
RT: 1.485 min Scan# 96
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion: 79 Resp: 31007

Ion	Ratio	Lower	Upper
79	100		
52	70.5	93.1	139.7#

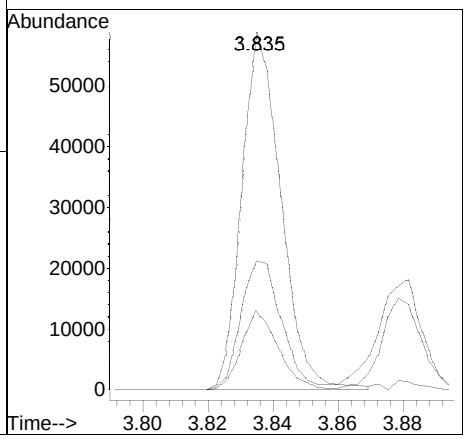


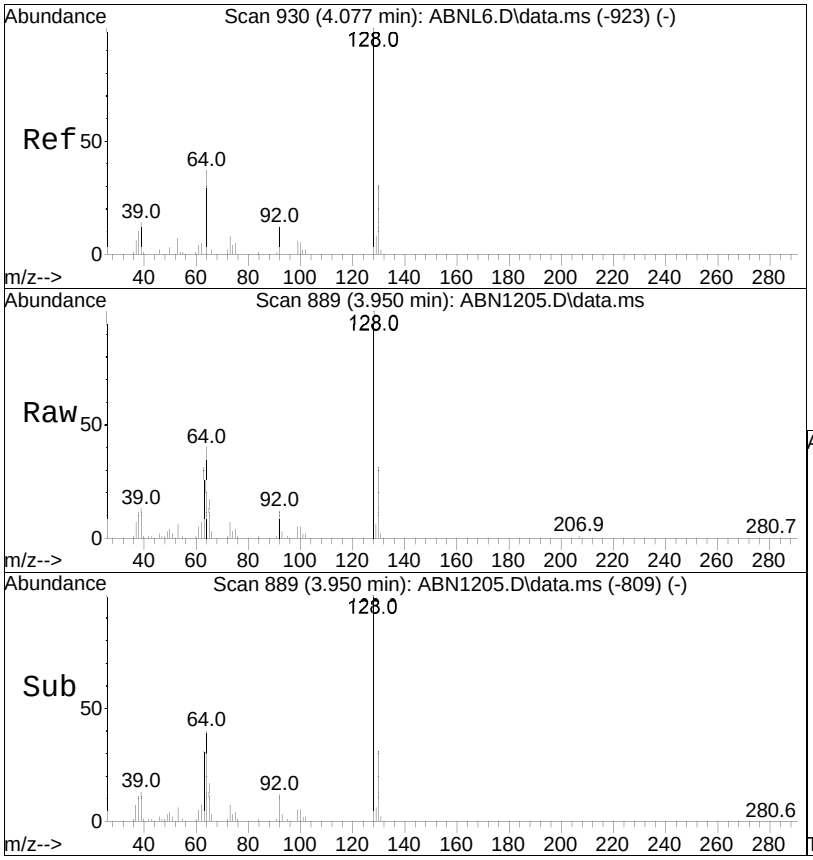


#5
Aniline
Concen: 5.07 ug/ml
RT: 3.835 min Scan# 852
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion: 93 Resp: 48866

Ion	Ratio	Lower	Upper
93	100		
66	37.8	32.6	49.0
65	21.1	17.6	26.4

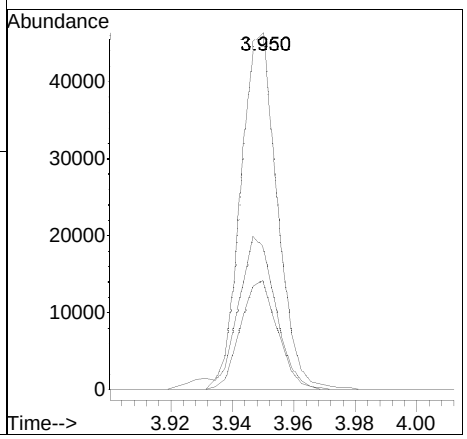


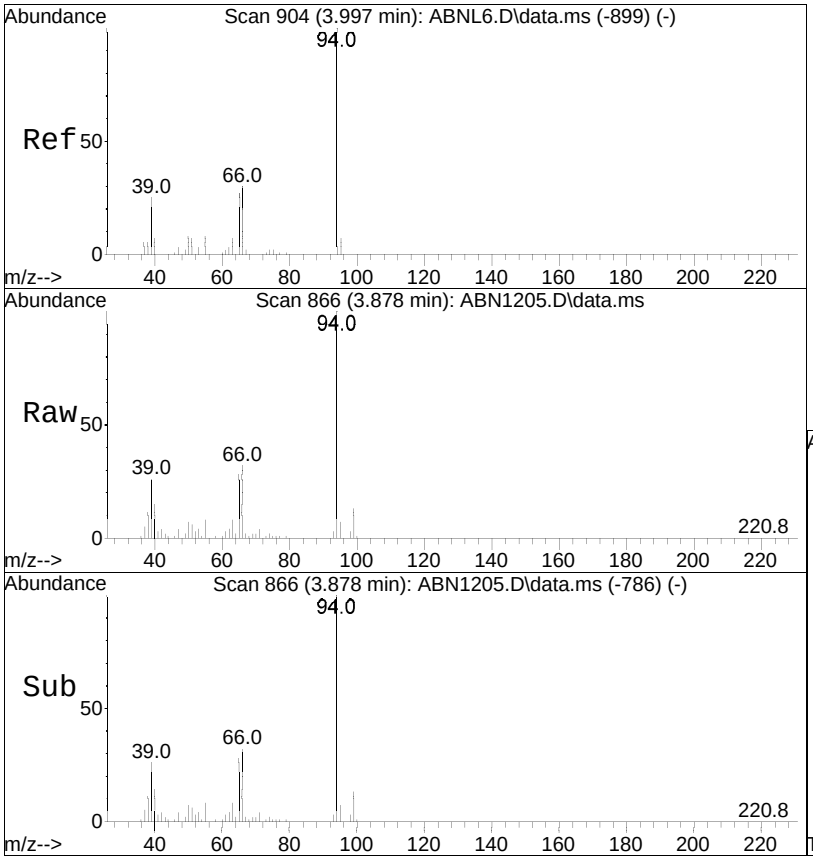


#6
2-Chlorophenol
Concen: 5.04 ug/ml
RT: 3.950 min Scan# 889
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:128 Resp: 37976

Ion	Ratio	Lower	Upper
128	100		
64	45.4	45.1	67.7
130	31.2	26.2	39.4

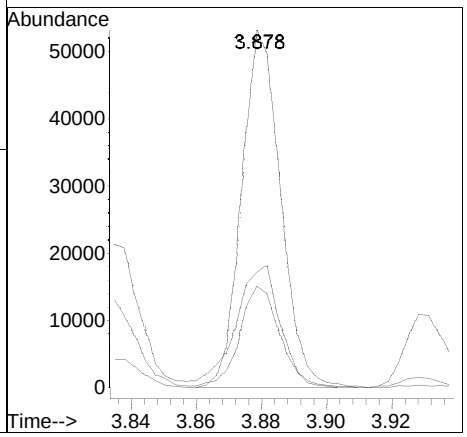


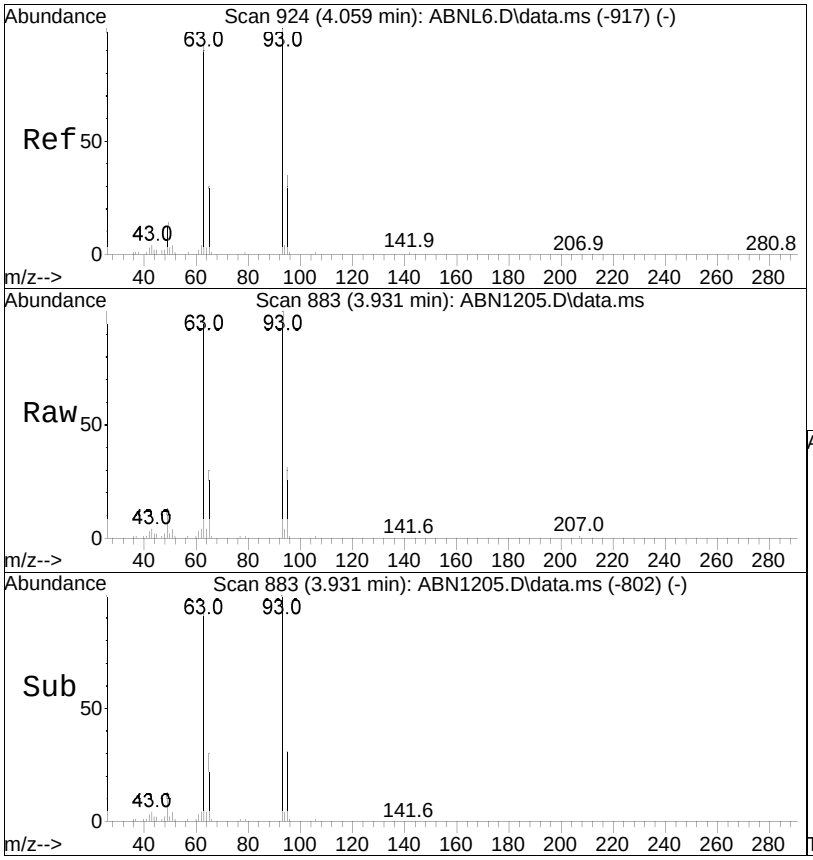


#8
Phenol
Concen: 5.04 ug/ml
RT: 3.878 min Scan# 866
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion: 94 Resp: 44070

Ion	Ratio	Lower	Upper
94	100		
65	29.2	26.0	39.0
66	39.7	33.8	50.8

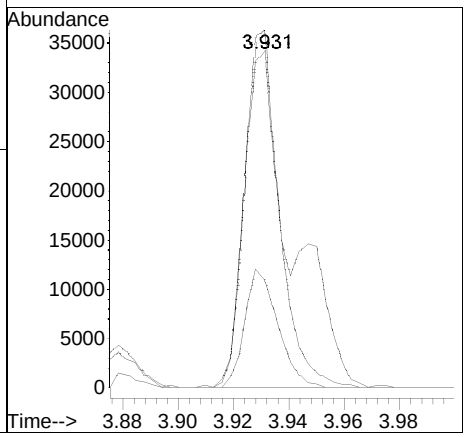


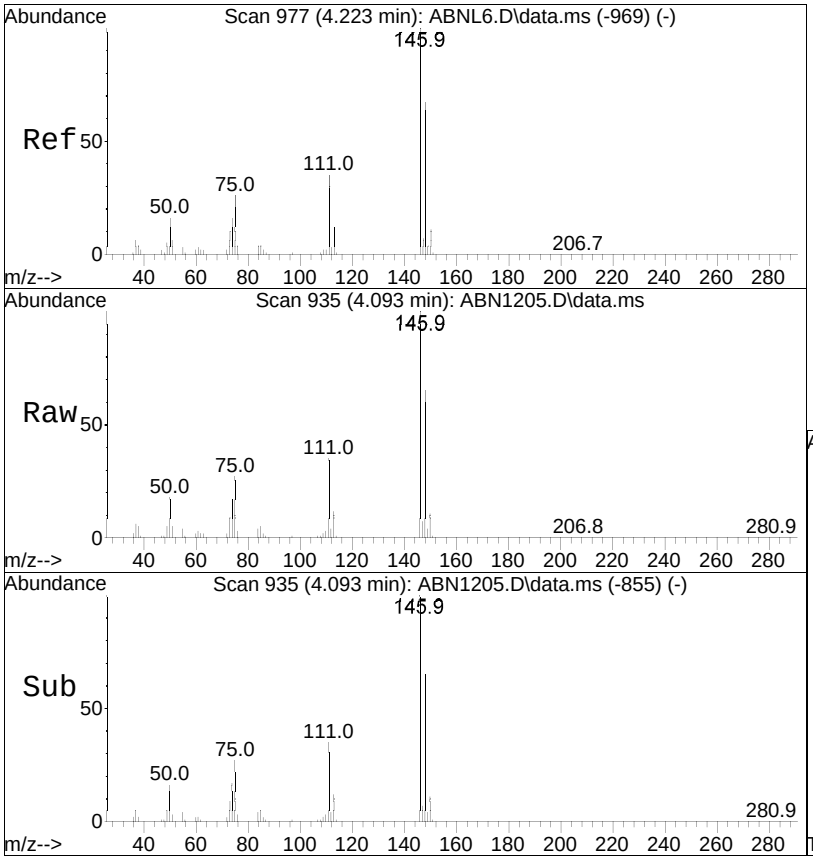


#9
Bis(2-chloroethyl)ether
Concen: 5.07 ug/ml
RT: 3.931 min Scan# 883
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion: 93 Resp: 31715

Ion	Ratio	Lower	Upper
93	100		
63	91.5	74.6	111.8
95	31.5	25.9	38.9

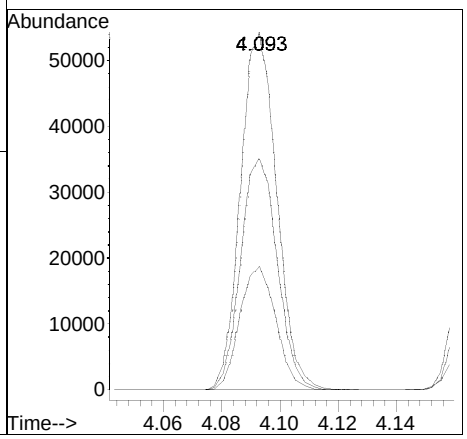


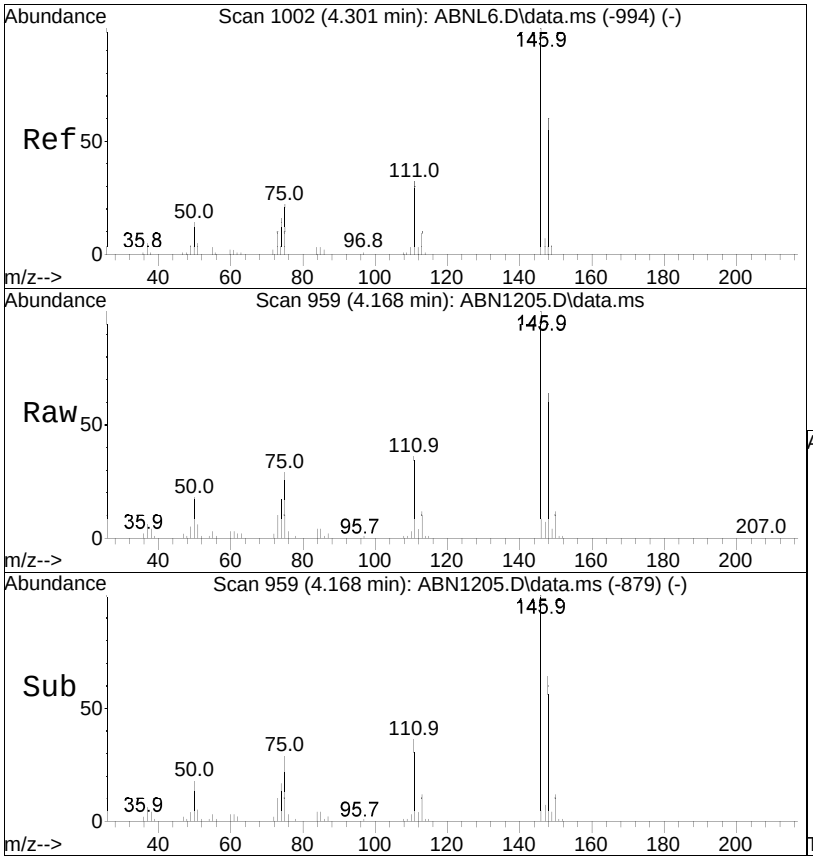


#10
1,3-Dichlorobenzene
Concen: 4.78 ug/ml
RT: 4.093 min Scan# 935
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:146 Resp: 46342

Ion	Ratio	Lower	Upper
146	100		
111	34.9	34.3	51.5
148	65.9	50.8	76.2

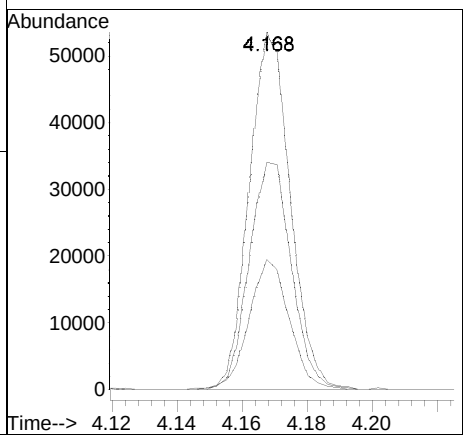


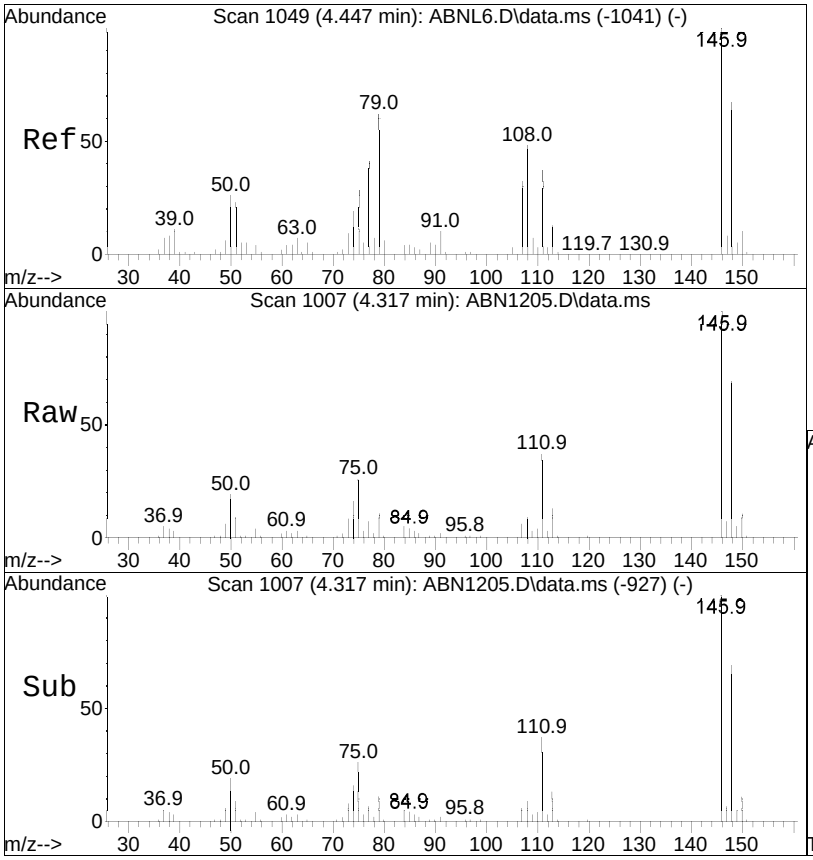


#11
1,4-Dichlorobenzene
Concen: 4.71 ug/ml
RT: 4.168 min Scan# 959
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:146 Resp: 46653

Ion	Ratio	Lower	Upper
146	100		
148	65.5	50.7	76.1
111	35.9	33.4	50.0

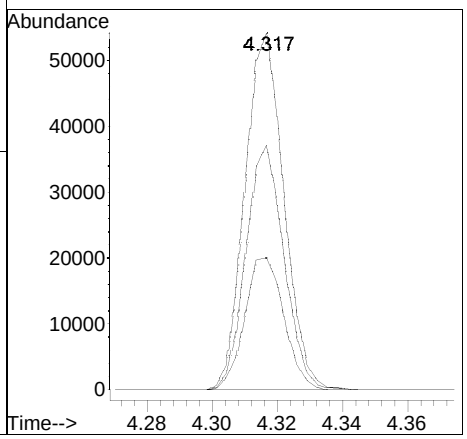


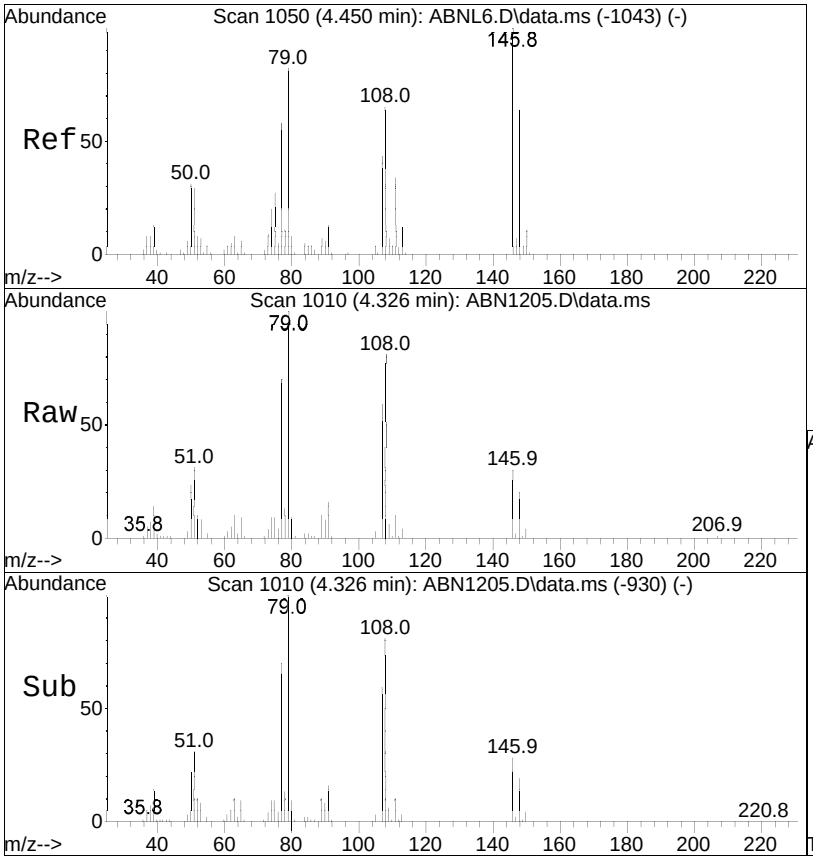


#12
1,2-Dichlorobenzene
Concen: 4.74 ug/ml
RT: 4.317 min Scan# 1007
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:146 Resp: 44688

Ion	Ratio	Lower	Upper
146	100		
111	37.5	34.6	52.0
148	67.2	50.2	75.4

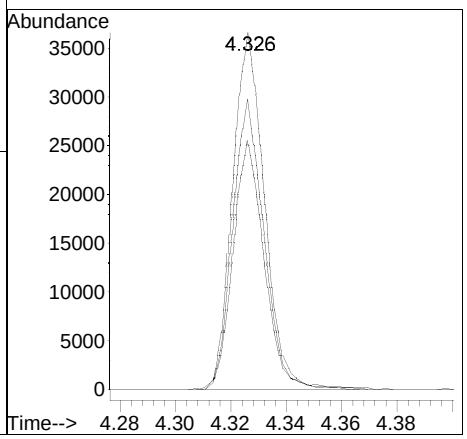


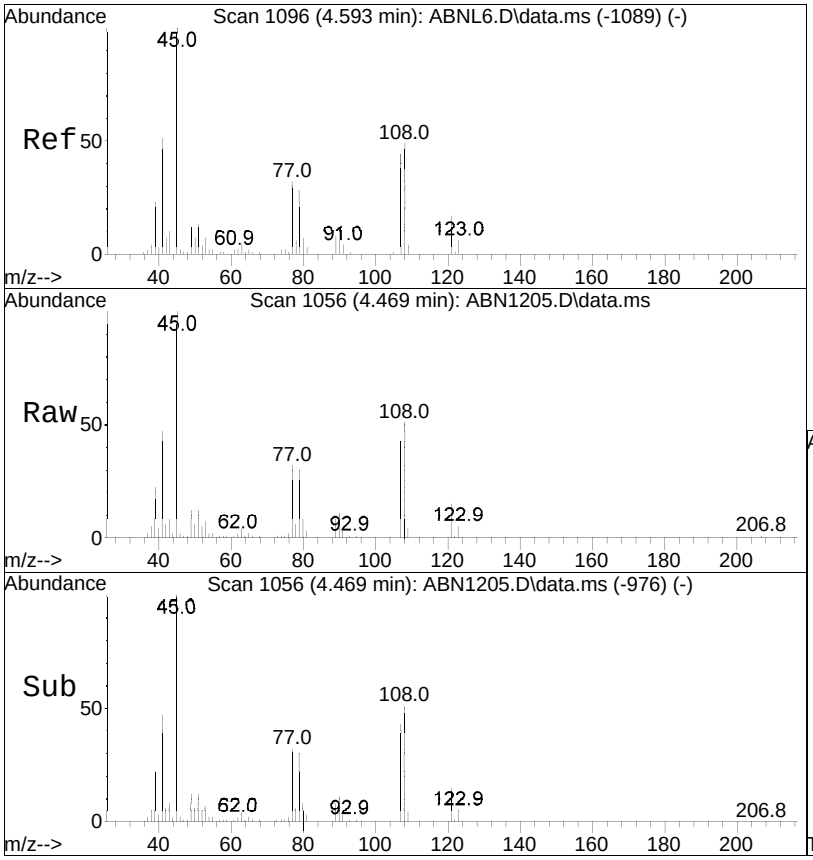


#13
Benzyl alcohol
Concen: 5.12 ug/ml
RT: 4.326 min Scan# 1010
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion: 79 Resp: 29276

Ion	Ratio	Lower	Upper
79	100		
77	68.2	54.9	82.3
108	80.1	63.1	94.7

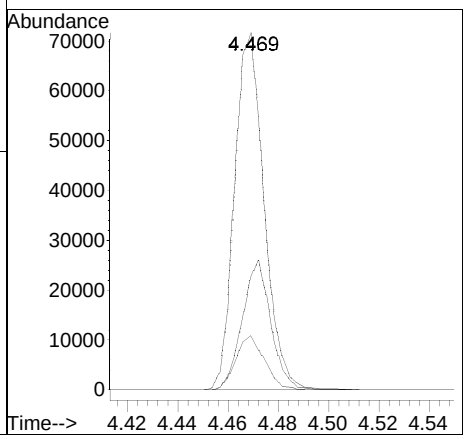


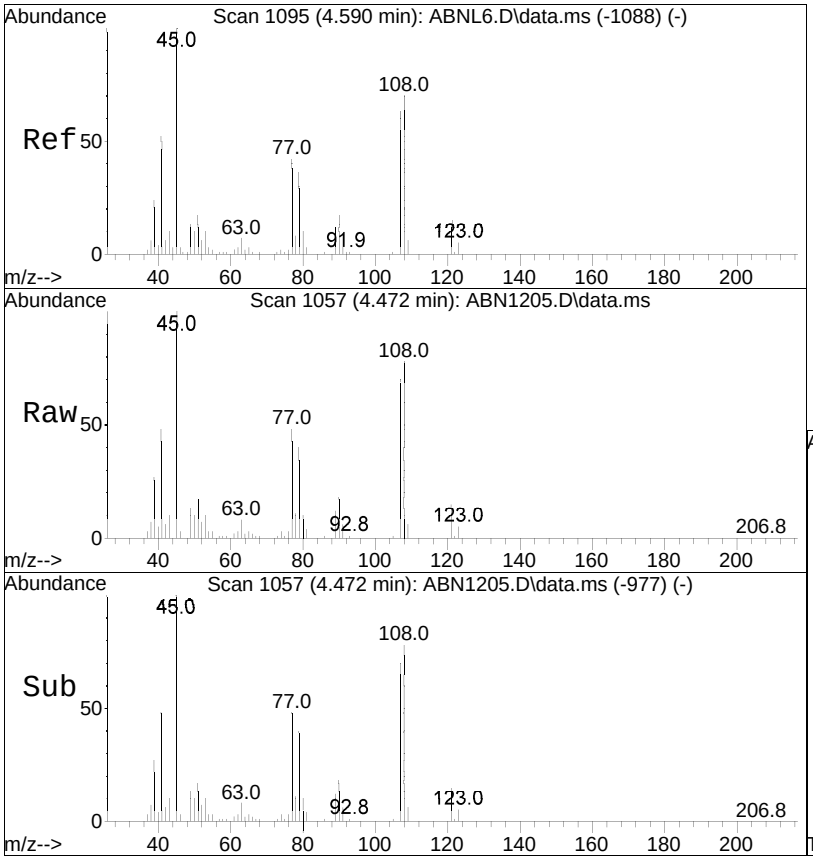


#14
Bis(2-chloroisopropyl)ether
Concen: 5.27 ug/ml
RT: 4.469 min Scan# 1056
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion: 45 Resp: 58193

Ion	Ratio	Lower	Upper
45	100		
121	14.9	9.8	14.6#
77	35.5	6.1	9.1#

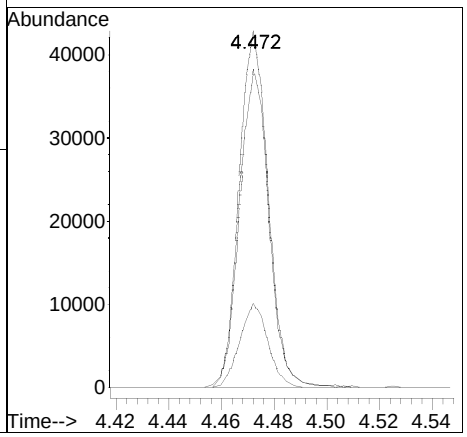


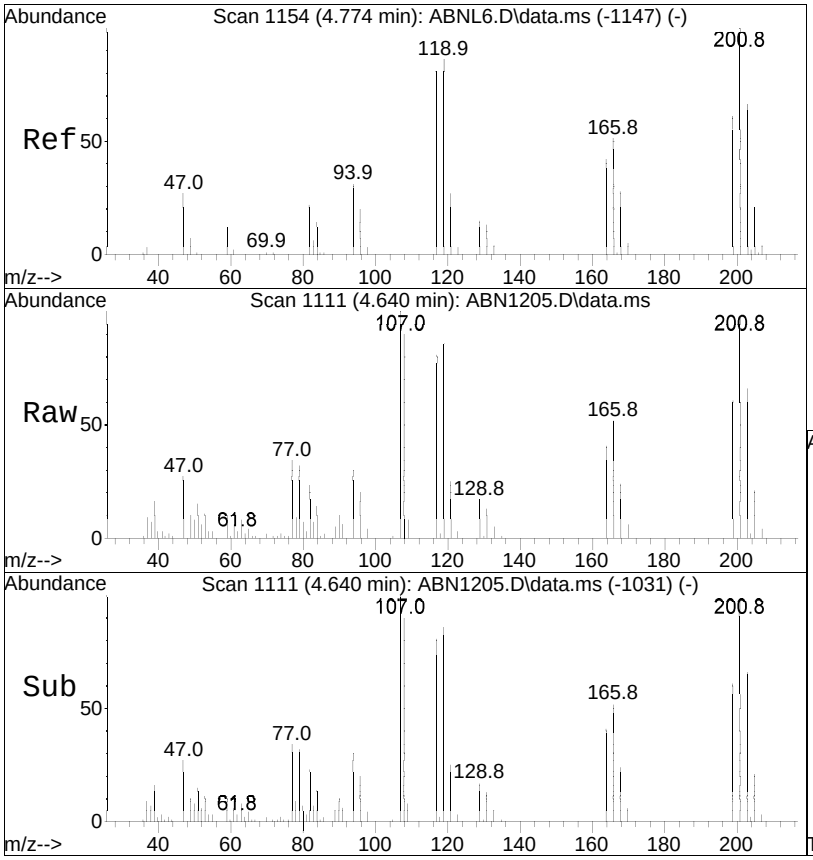


#15
2-Methylphenol
Concen: 4.95 ug/ml
RT: 4.472 min Scan# 1057
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:108 Resp: 32849

Ion	Ratio	Lower	Upper
108	100		
107	89.4	70.7	106.1
90	22.9	18.7	28.1

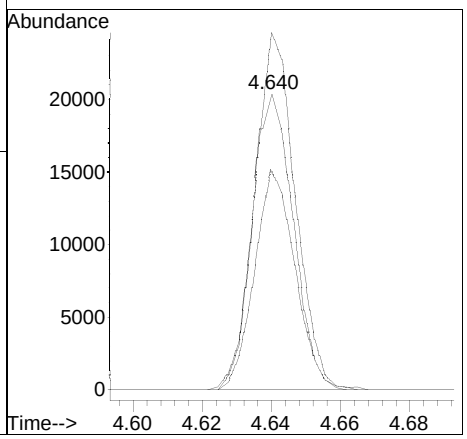


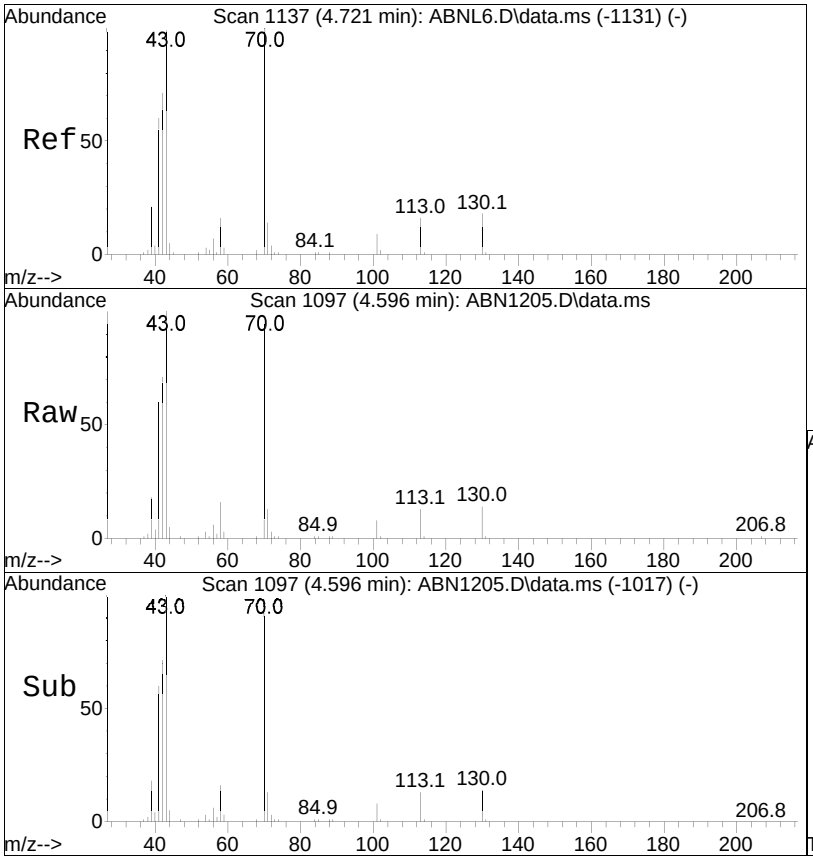


#16
Hexachloroethane
Concen: 4.70 ug/ml
RT: 4.640 min Scan# 1111
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:117 Resp: 17045

Ion	Ratio	Lower	Upper
117	100		
201	117.5	58.6	87.8#
199	72.3	36.9	55.3#

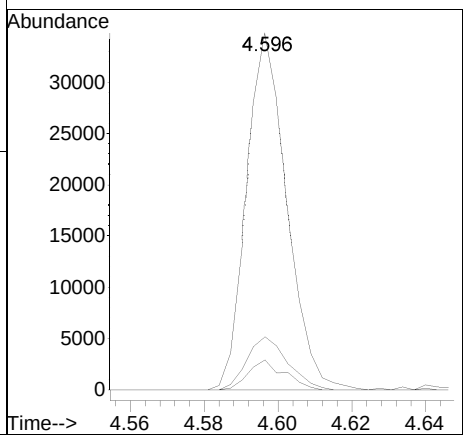


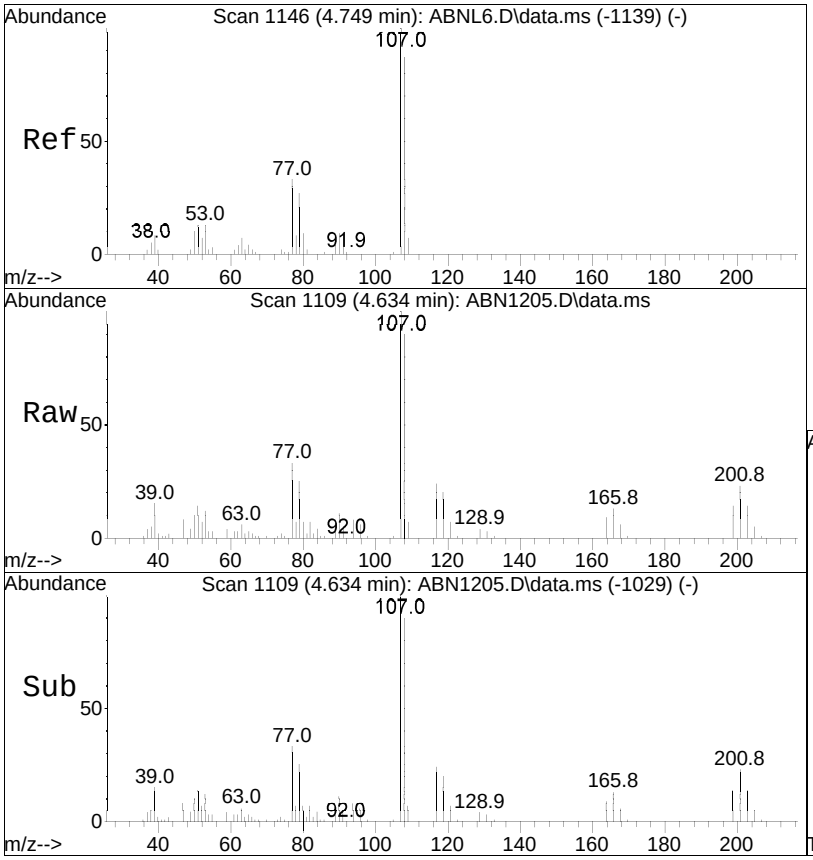


#17
n-Nitrosodi-n-propylamine
Concen: 4.95 ug/ml
RT: 4.596 min Scan# 1097
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion: 70 Resp: 26269

Ion	Ratio	Lower	Upper
70	100		
130	15.1	18.2	27.4#
101	7.5	7.8	11.8#

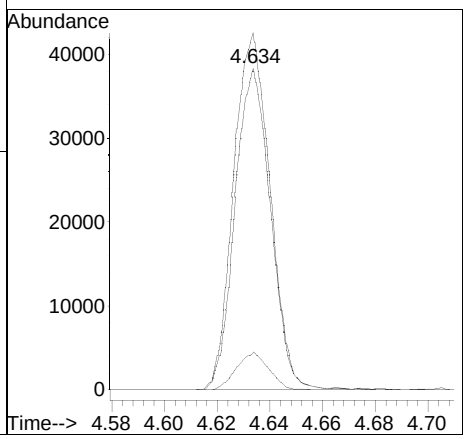


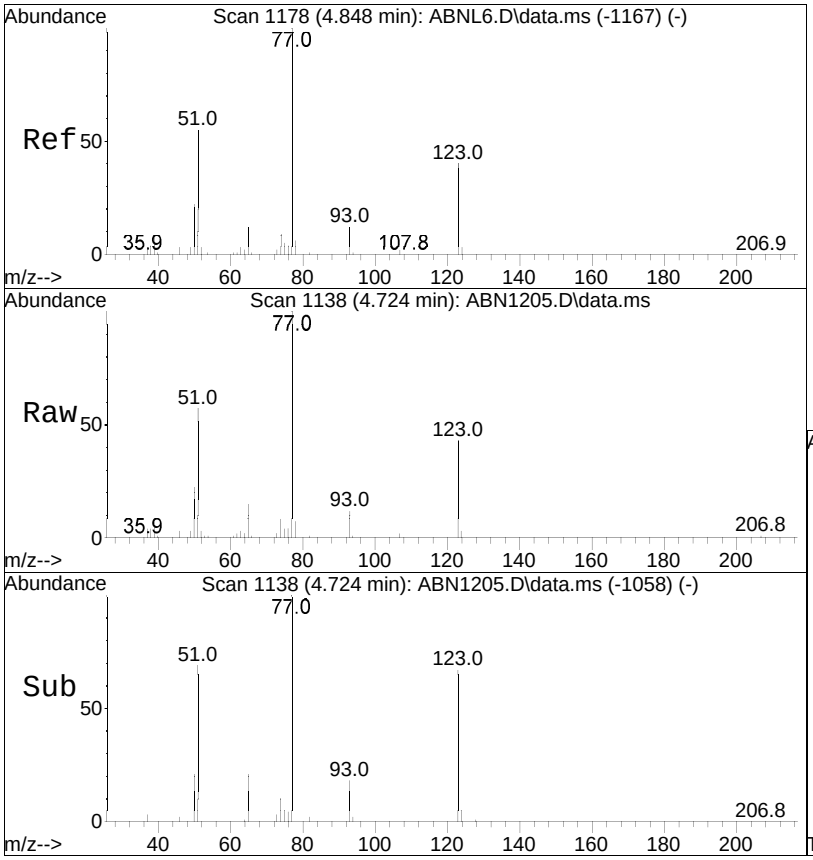


#18
3-Methylphenol/4-Methylphenol
Concen: 4.95 ug/ml
RT: 4.634 min Scan# 1109
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:108 Resp: 36001

Ion	Ratio	Lower	Upper
108	100		
107	113.5	88.6	132.8
90	10.7	8.8	13.2

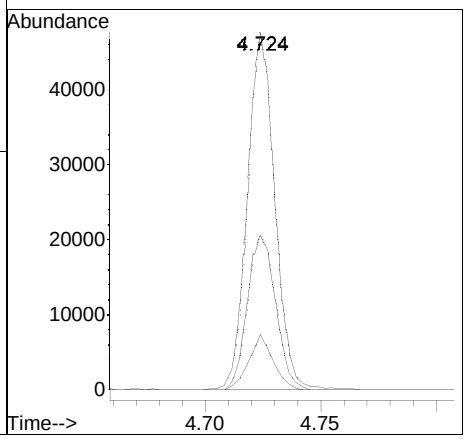


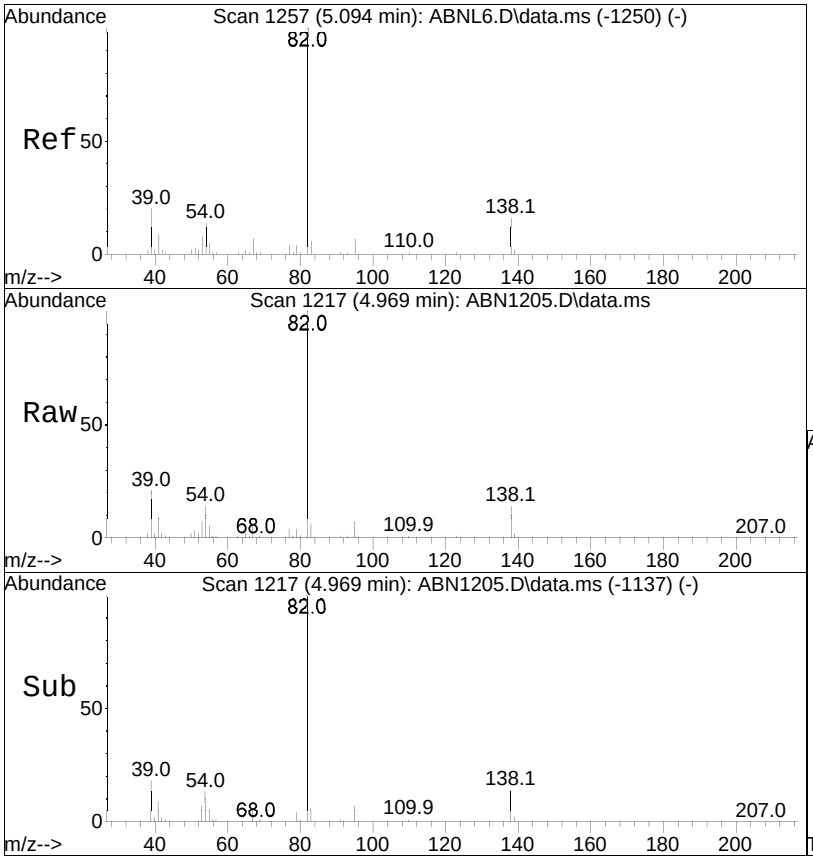


#20
Nitrobenzene
Concen: 5.19 ug/ml
RT: 4.724 min Scan# 1138
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion: 77 Resp: 38988

Ion	Ratio	Lower	Upper
77	100		
123	44.5	36.3	54.5
65	13.8	11.6	17.4

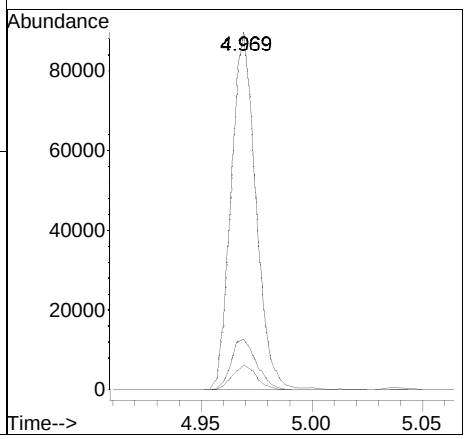


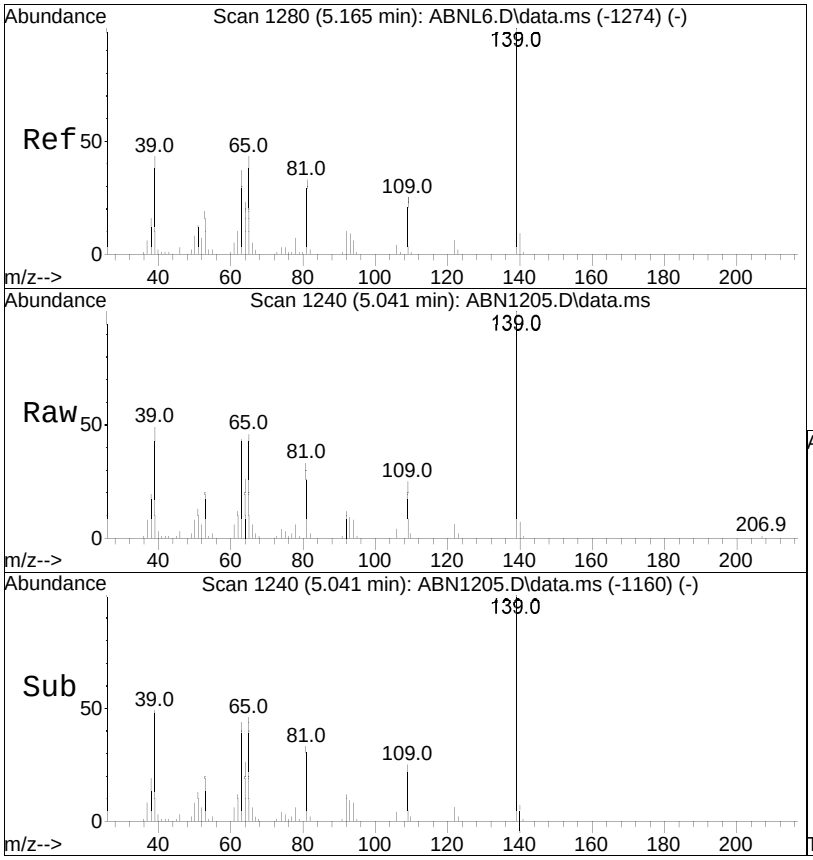


#21
Isophorone
Concen: 5.00 ug/ml
RT: 4.969 min Scan# 1217
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion: 82 Resp: 69061

Ion	Ratio	Lower	Upper
82	100		
138	14.6	14.7	22.1#
95	6.9	5.2	7.8

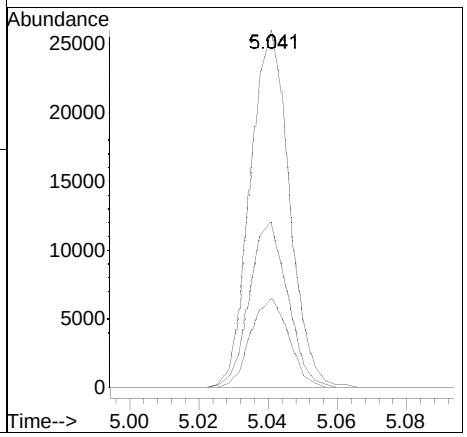


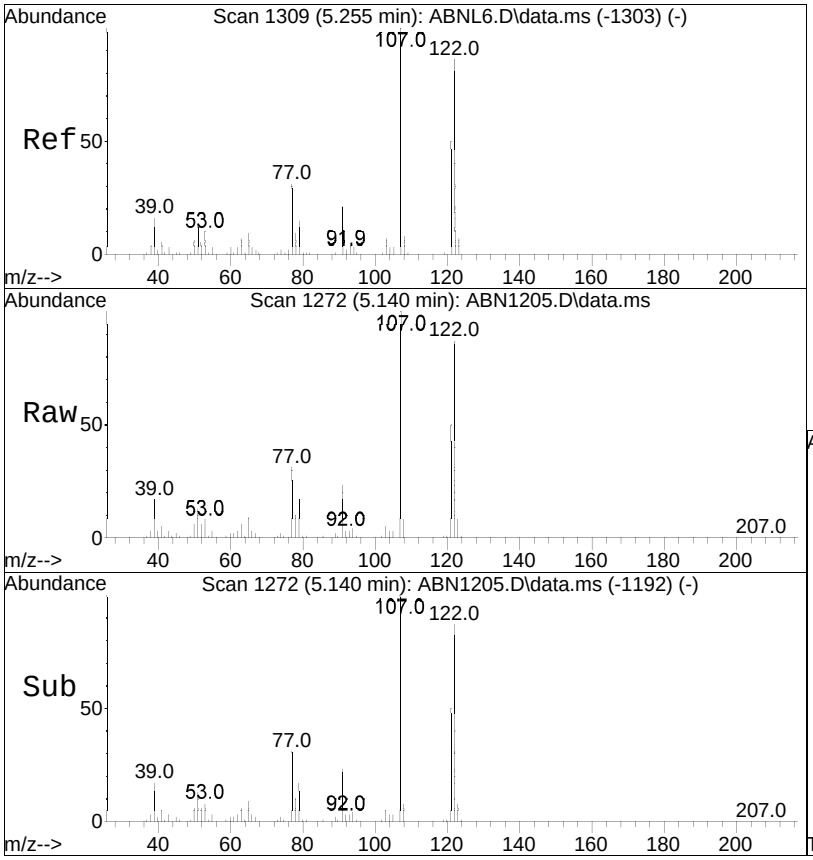


#22
2-Nitrophenol
Concen: 5.34 ug/ml
RT: 5.041 min Scan# 1240
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:139 Resp: 20329

Ion	Ratio	Lower	Upper
139	100		
109	24.4	19.4	29.0
65	45.3	46.1	69.1#

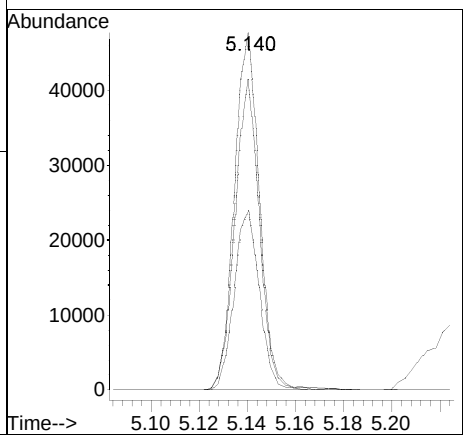


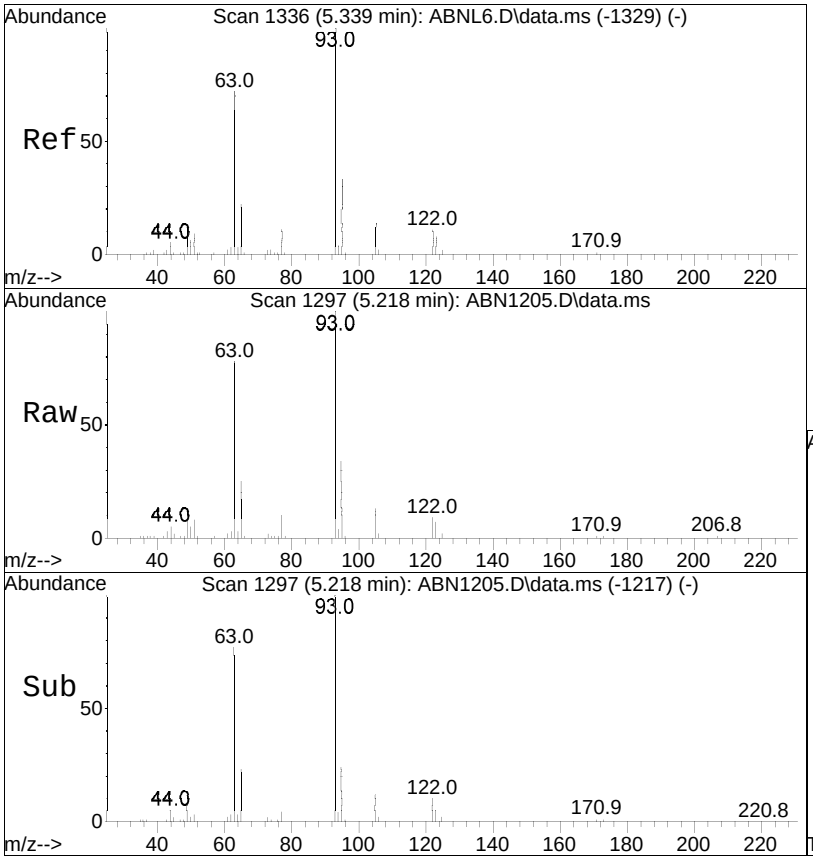


#23
2,4-Dimethylphenol
Concen: 5.11 ug/ml
RT: 5.140 min Scan# 1272
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:107 Resp: 34581

Ion	Ratio	Lower	Upper
107	100		
121	50.6	40.0	60.0
122	84.5	70.2	105.4

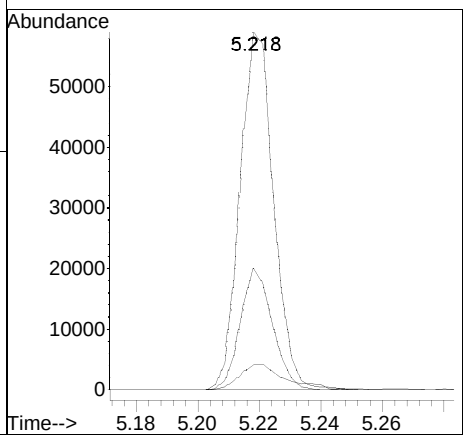


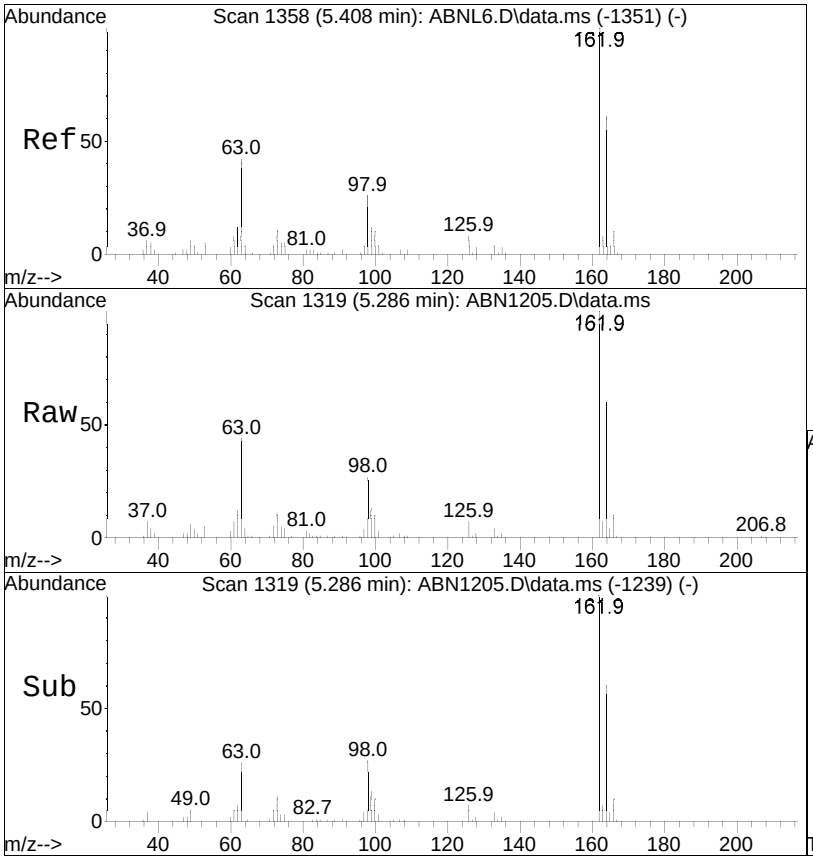


#24
Bis(2-chloroethoxy)methane
Concen: 5.19 ug/ml
RT: 5.218 min Scan# 1297
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion: 93 Resp: 44646

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.8	38.8
123	9.7	10.1	15.1#

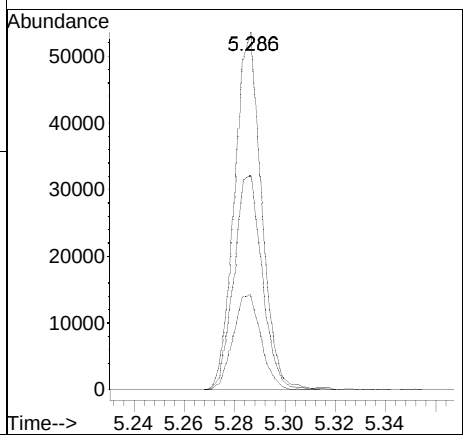


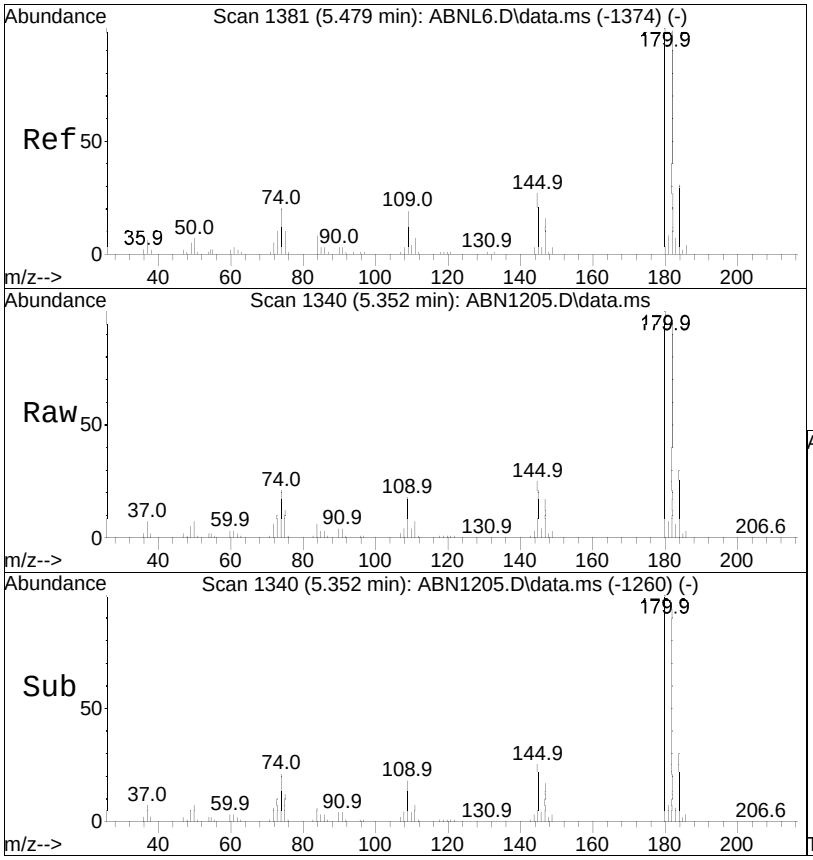


#25
2,4-Dichlorophenol
Concen: 5.04 ug/ml
RT: 5.286 min Scan# 1319
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:162 Resp: 39847

Ion	Ratio	Lower	Upper
162	100		
164	62.6	51.0	76.4
98	27.7	32.2	48.2#

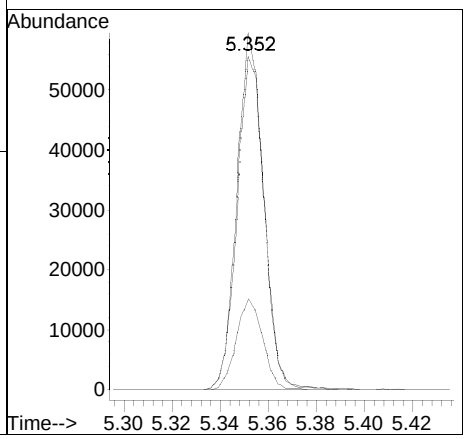


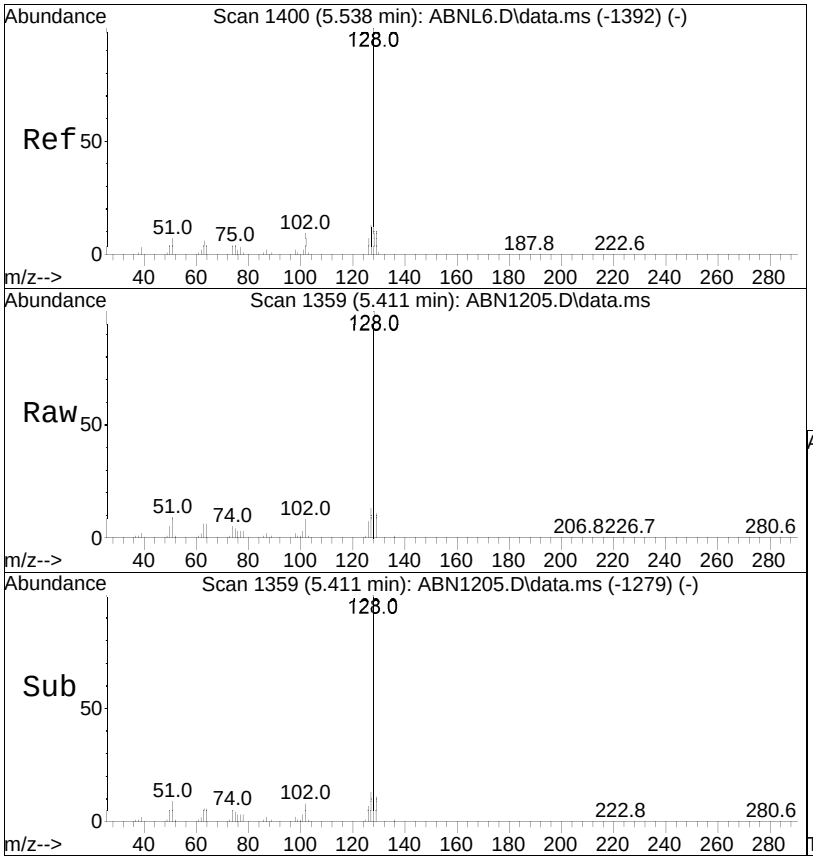


#26
1,2,4-Trichlorobenzene
Concen: 4.77 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:180 Resp: 45583

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.0	114.0
145	25.5	25.7	38.5#

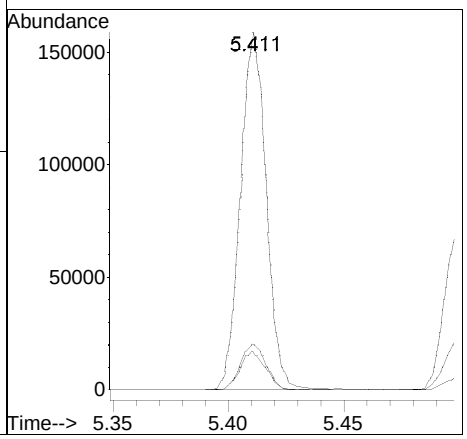


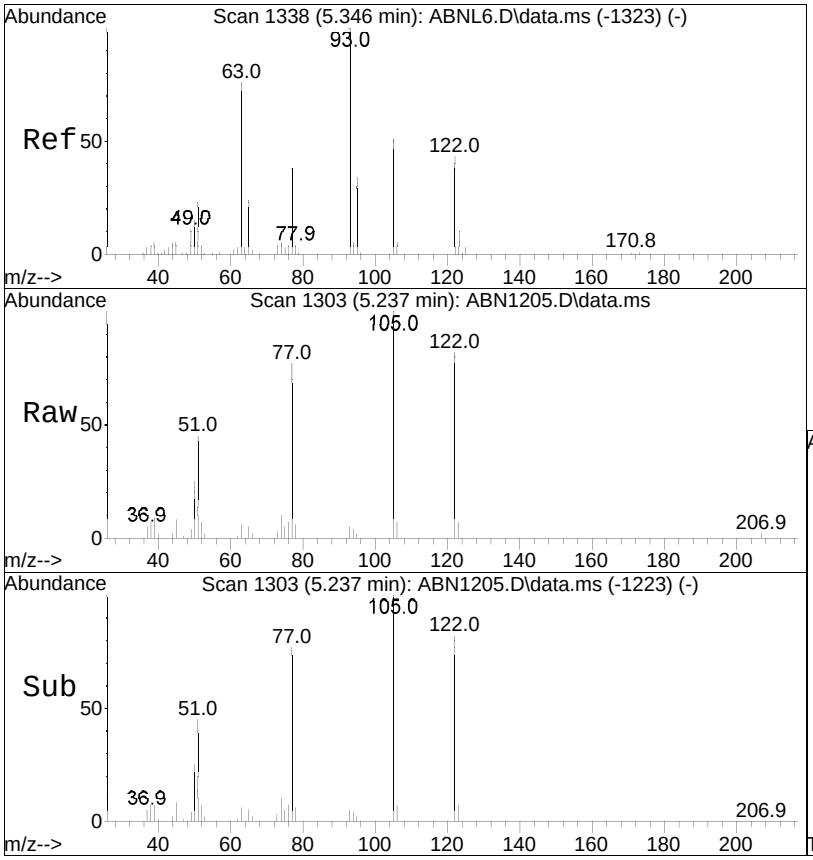


#38
Naphthalene
Concen: 4.66 ug/ml
RT: 5.411 min Scan# 1359
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:128 Resp: 123316

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.9	10.3	15.5

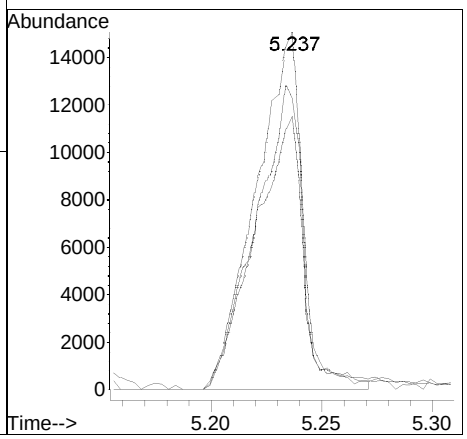


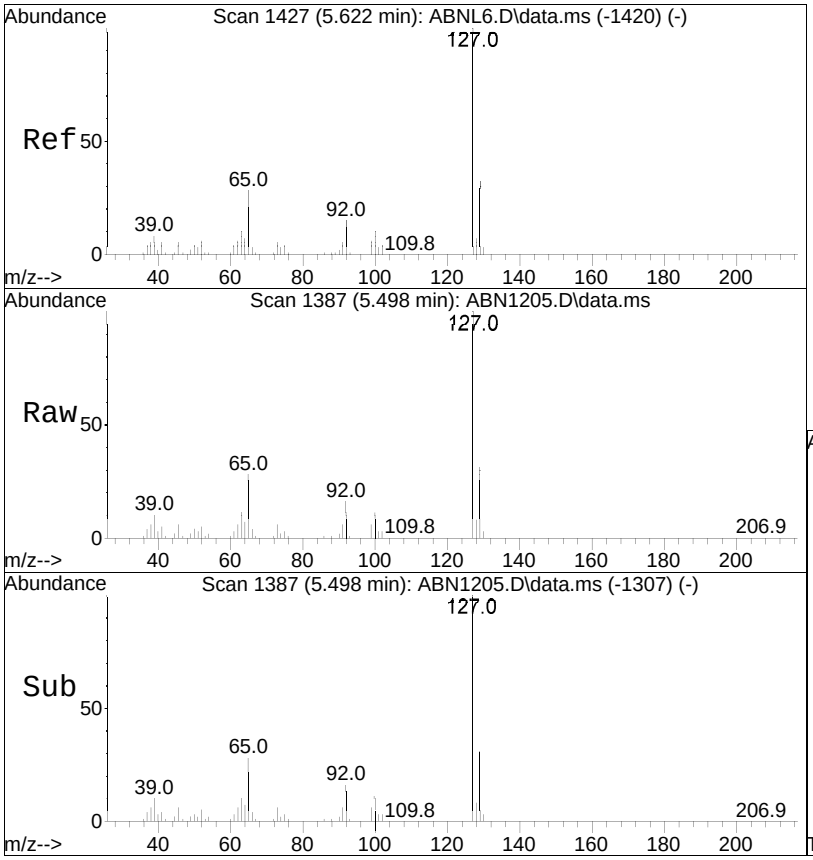


#39
Benzoic Acid
Concen: 4.05 ug/ml
RT: 5.237 min Scan# 1303
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:105 Resp: 22175

Ion	Ratio	Lower	Upper
105	100		
122	84.7	59.9	89.9
77	81.4	60.1	90.1

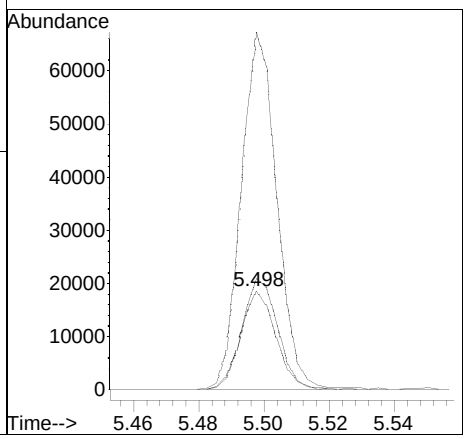


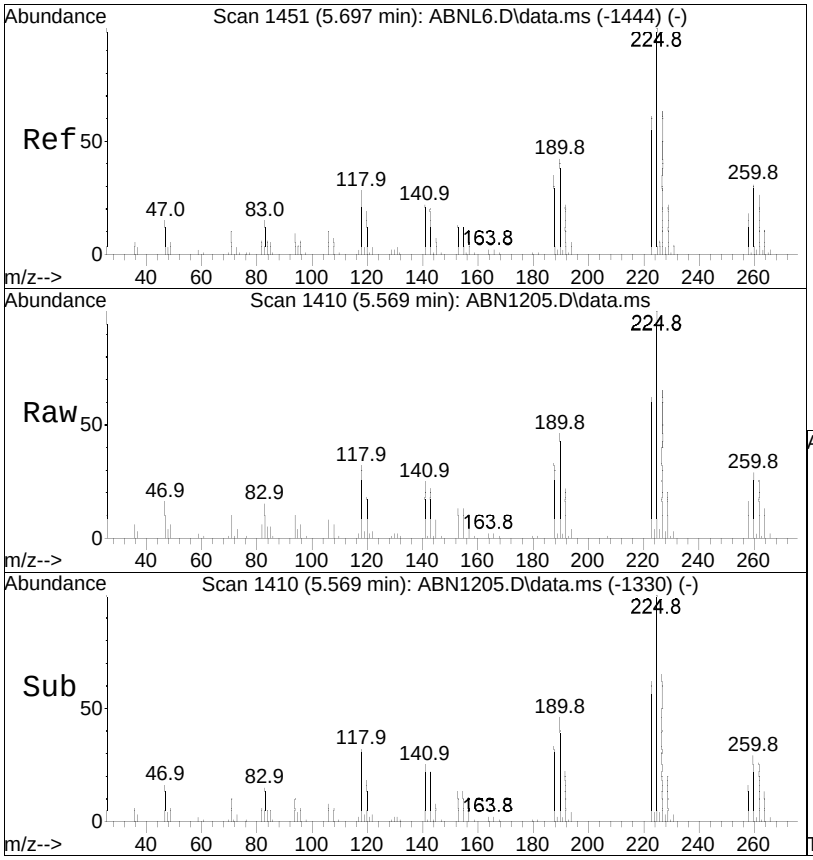


#40
4-Chloroaniline
Concen: 4.75 ug/ml
RT: 5.498 min Scan# 1387
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion: 65 Resp: 13817

Ion	Ratio	Lower	Upper
65	100		
127	366.2	237.6	356.4#
129	115.4	76.3	114.5#

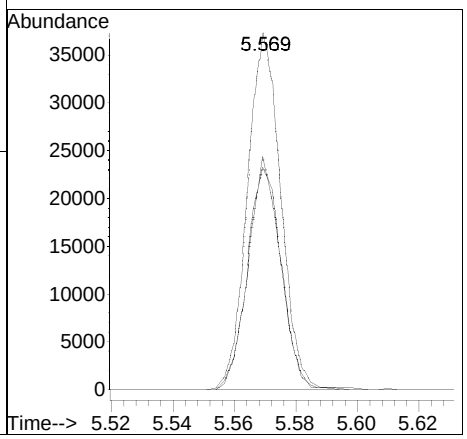


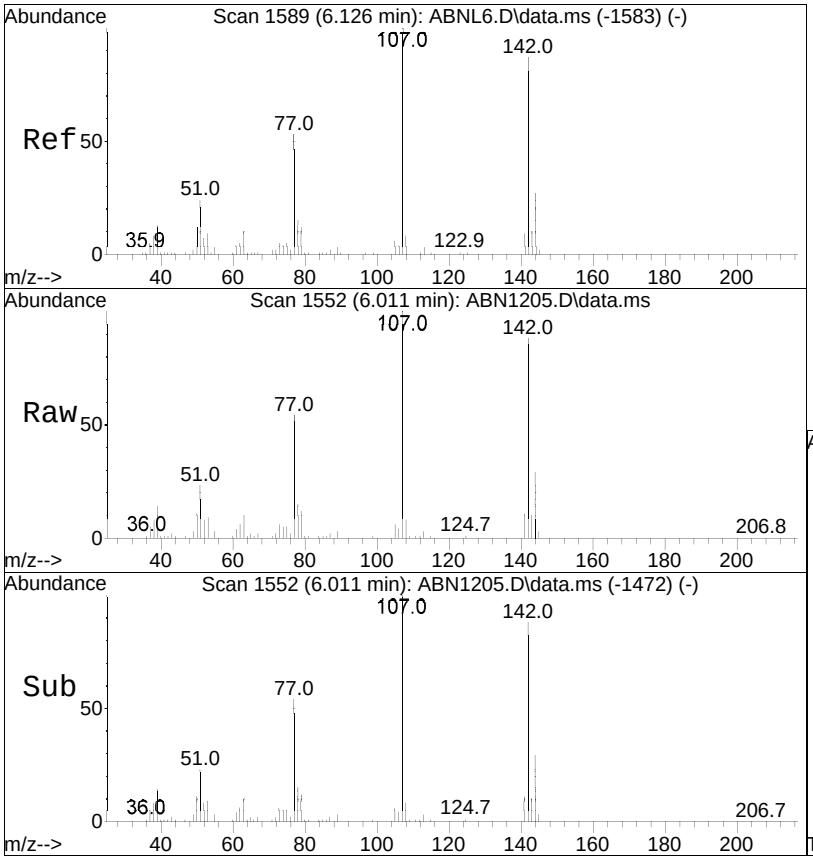


#41
Hexachlorobutadiene
Concen: 4.53 ug/ml
RT: 5.569 min Scan# 1410
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:225 Resp: 28140

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	63.3	52.2	78.2

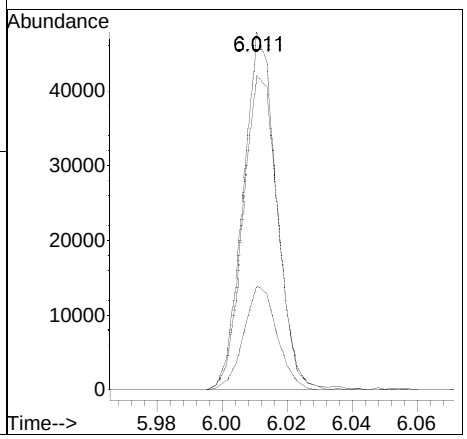


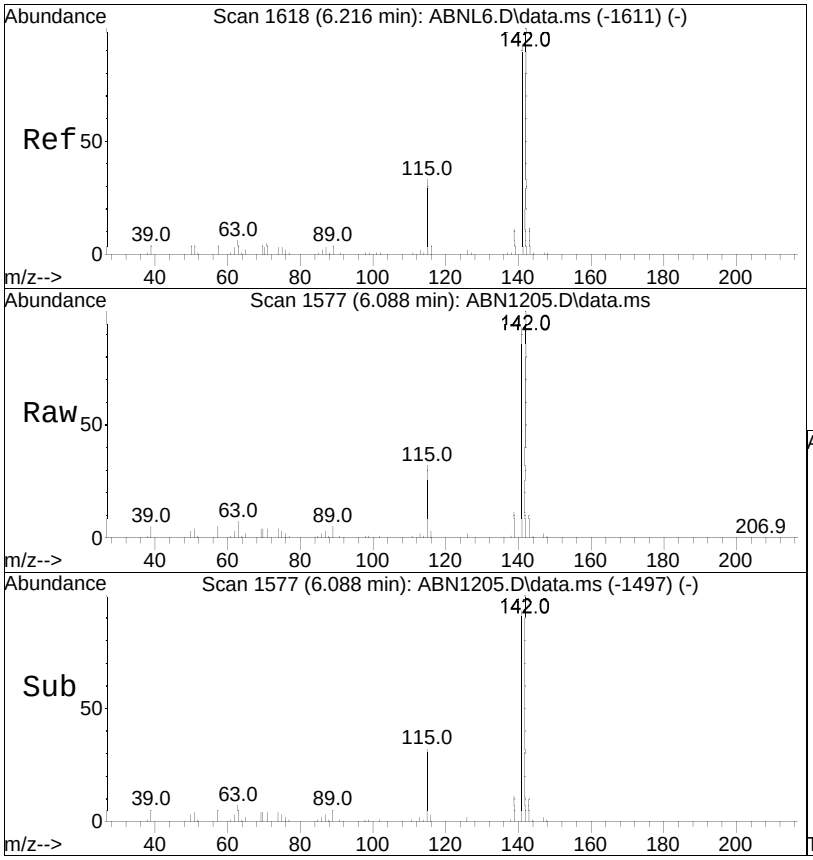


#42
p-Chloro-m-cresol
Concen: 4.84 ug/ml
RT: 6.011 min Scan# 1552
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:107 Resp: 33759

Ion	Ratio	Lower	Upper
107	100		
144	29.1	20.9	31.3
142	92.0	66.1	99.1

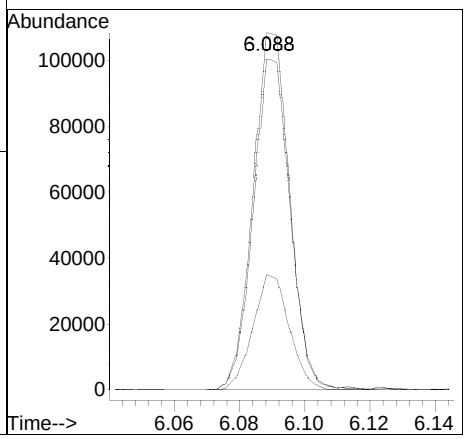


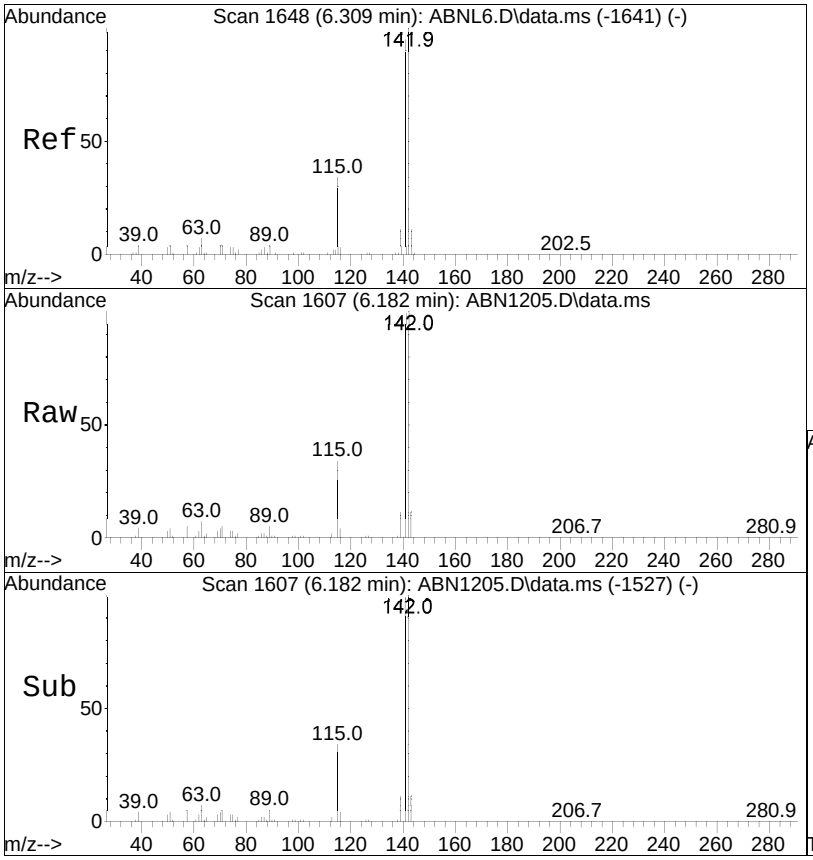


#43
2-Methylnaphthalene
Concen: 4.64 ug/ml
RT: 6.088 min Scan# 1577
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:142 Resp: 84965

Ion	Ratio	Lower	Upper
142	100		
141	93.0	69.6	104.4
115	32.2	26.6	40.0

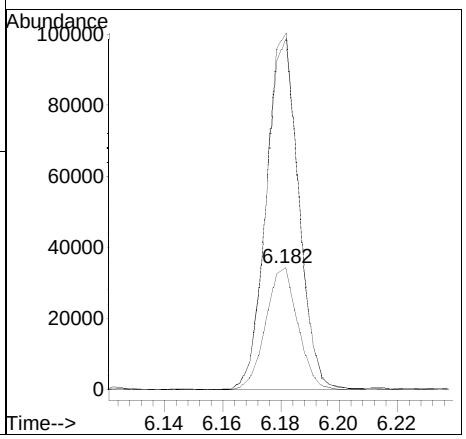


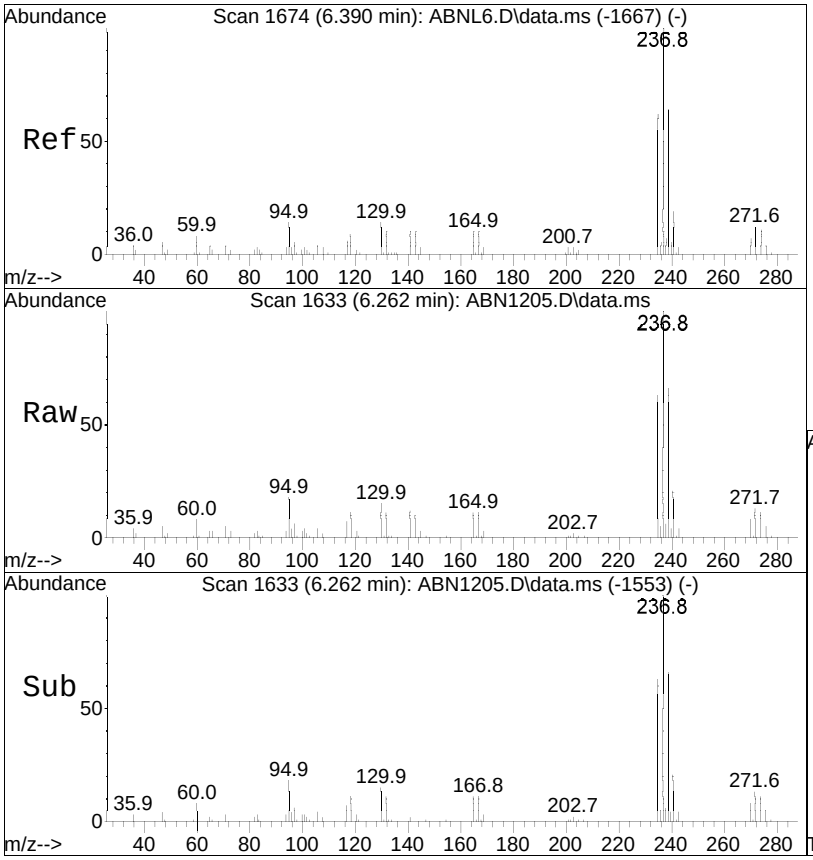


#44
1-Methylnaphthalene
Concen: 4.59 ug/ml
RT: 6.182 min Scan# 1607
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:115 Resp: 26711

Ion	Ratio	Lower	Upper
115	100		
141	287.1	207.8	311.6
142	289.4	226.8	340.2

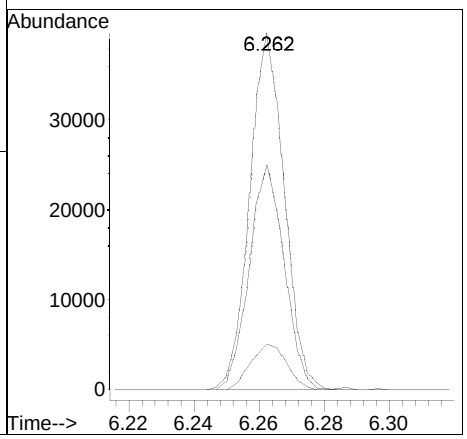


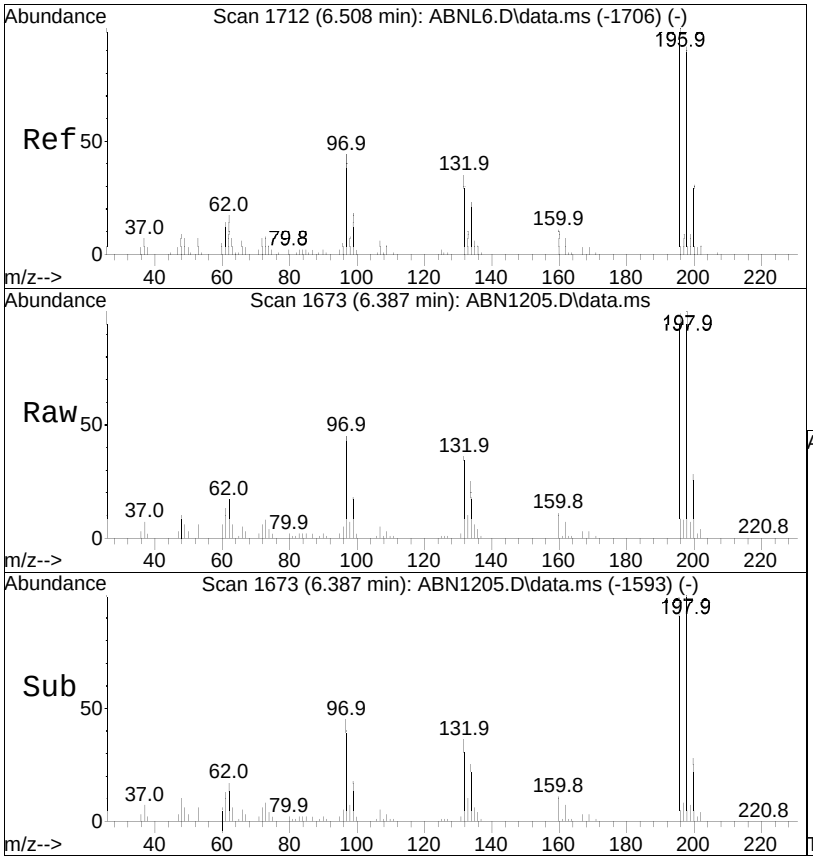


#45
Hexachlorocyclopentadiene
Concen: 4.45 ug/ml
RT: 6.262 min Scan# 1633
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:237 Resp: 29140

Ion	Ratio	Lower	Upper
237	100		
235	63.8	49.7	74.5
272	13.5	9.8	14.6

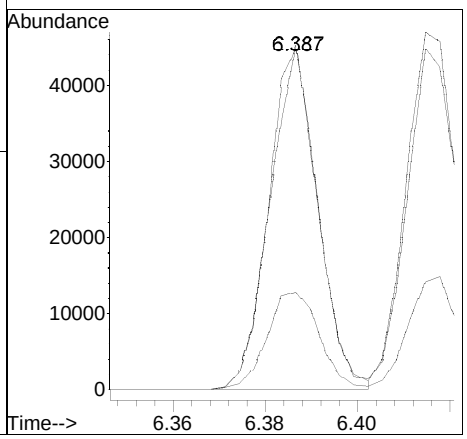


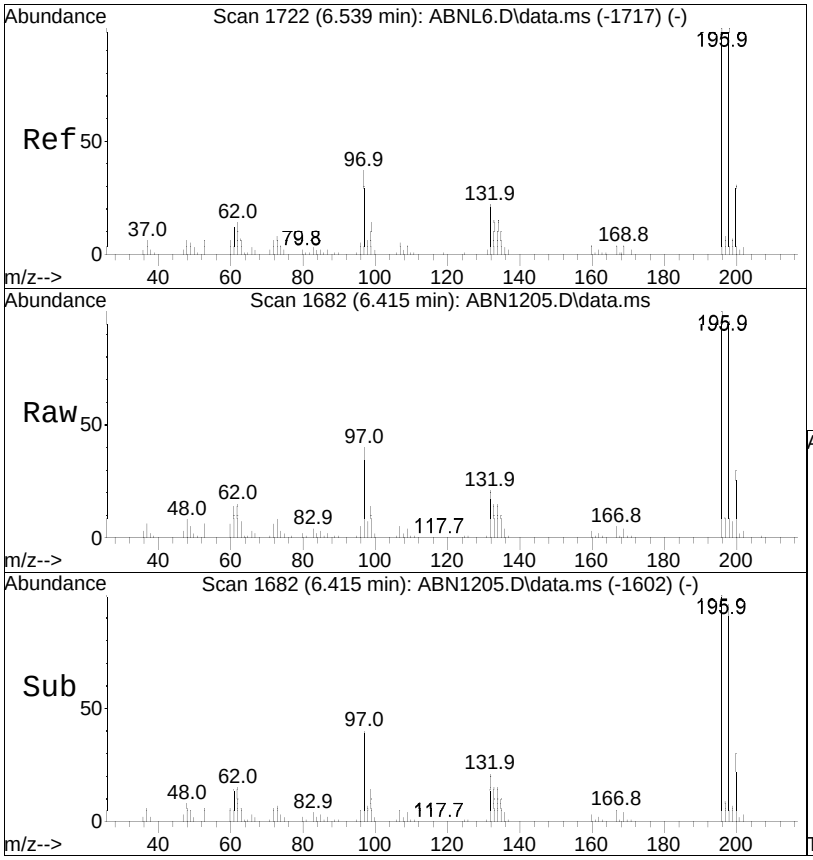


#46
2,4,6-Trichlorophenol
Concen: 4.82 ug/ml
RT: 6.387 min Scan# 1673
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:196 Resp: 33203

Ion	Ratio	Lower	Upper
196	100		
198	97.1	77.5	116.3
200	30.6	23.8	35.6

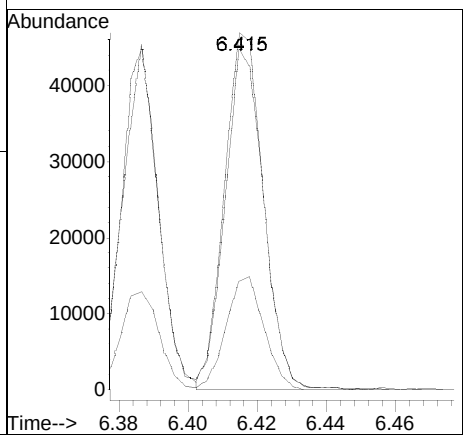


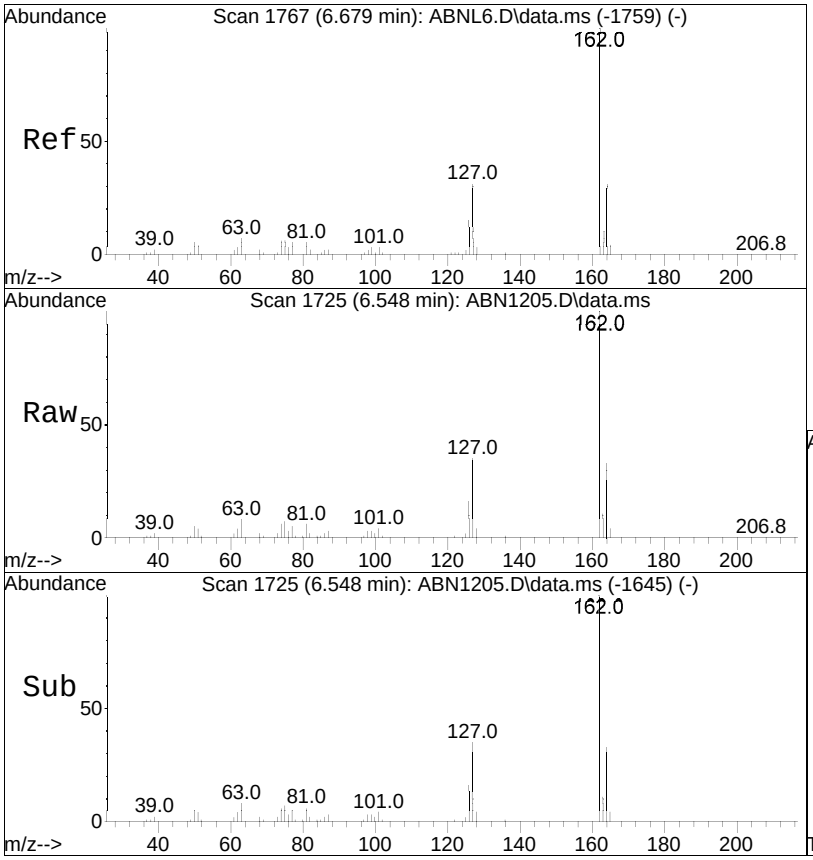


#47
2,4,5-Trichlorophenol
Concen: 4.78 ug/ml
RT: 6.415 min Scan# 1682
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:196 Resp: 36827

Ion	Ratio	Lower	Upper
196	100		
200	30.8	25.4	38.0
198	94.4	78.0	117.0

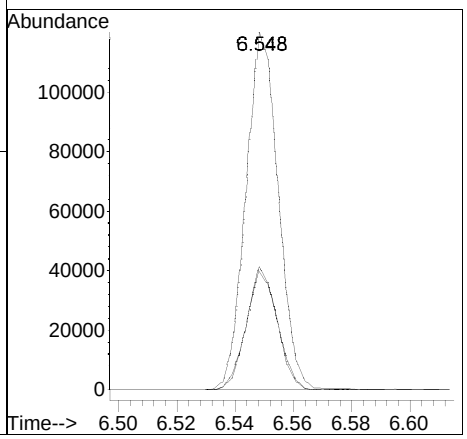


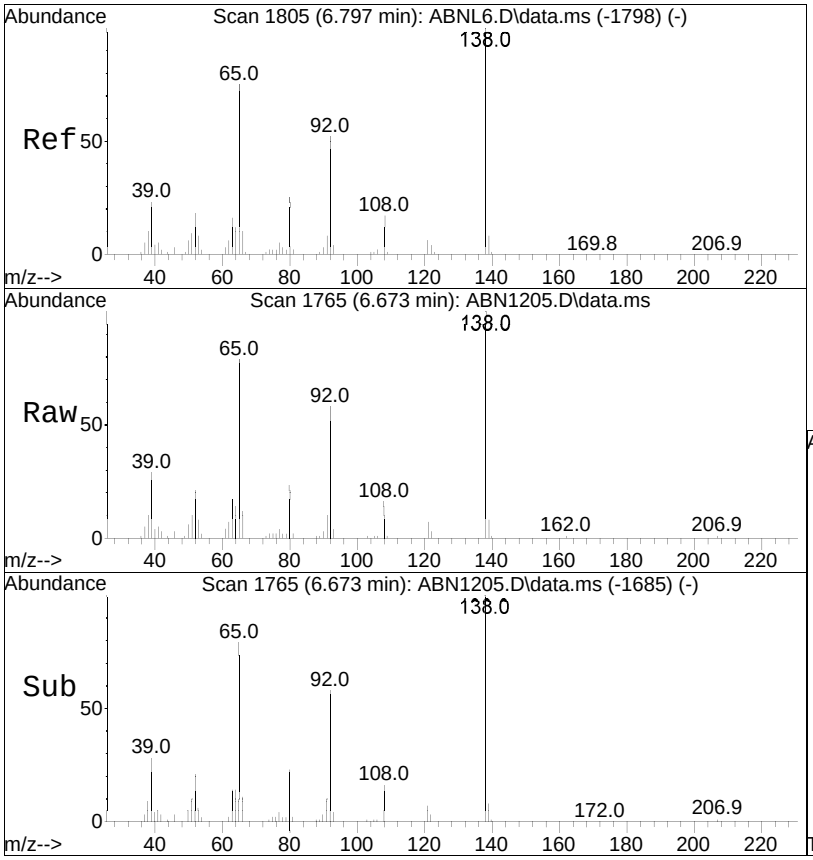


#49
2-Chloronaphthalene
Concen: 4.50 ug/ml
RT: 6.548 min Scan# 1725
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:162 Resp: 92328

Ion	Ratio	Lower	Upper
162	100		
127	32.6	32.2	48.4
164	32.2	25.7	38.5

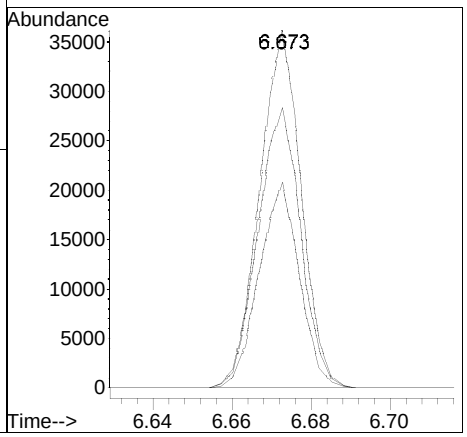


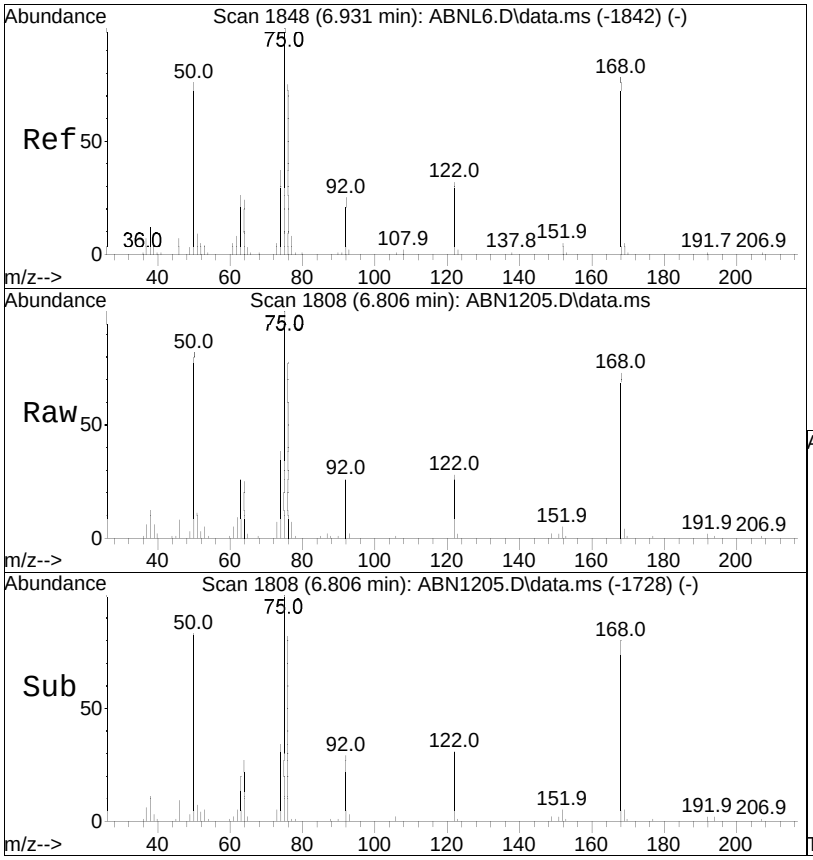


#50
2-Nitroaniline
Concen: 4.99 ug/ml
RT: 6.673 min Scan# 1765
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:138 Resp: 26197

Ion	Ratio	Lower	Upper
138	100		
92	55.9	53.5	80.3
65	80.7	86.3	129.5#

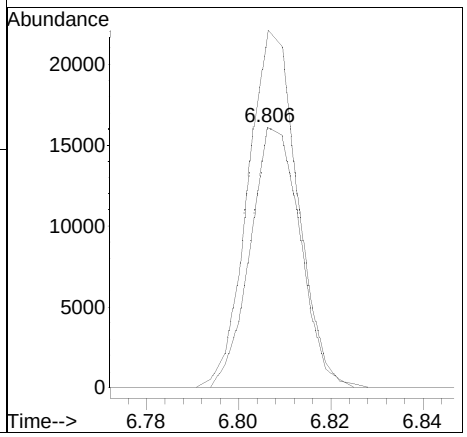


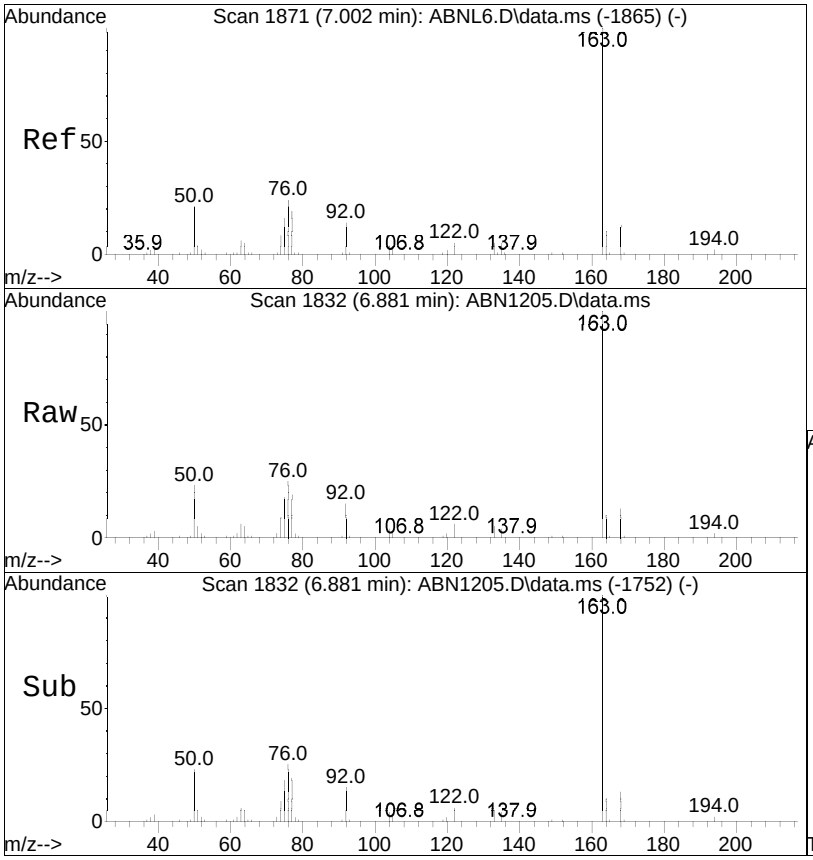


#51
1,4-Dinitrobenzene
Concen: 5.32 ug/ml
RT: 6.806 min Scan# 1808
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:168 Resp: 12128

Ion	Ratio	Lower	Upper
168	100		
75	136.3	121.8	182.8

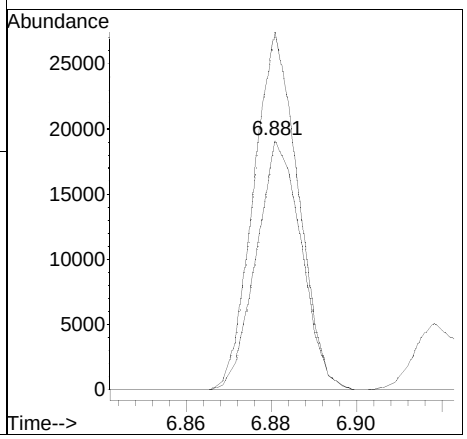


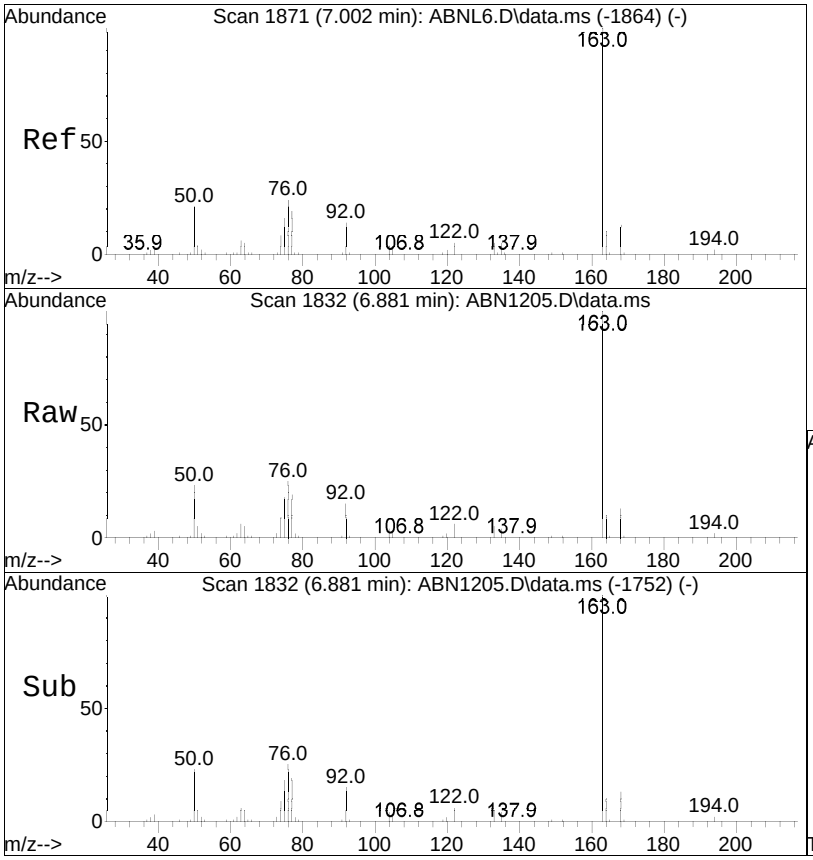


#52
1,3-Dinitrobenzene
Concen: 5.12 ug/ml
RT: 6.881 min Scan# 1832
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:168 Resp: 13984

Ion	Ratio	Lower	Upper
168	100		
75	141.6	22.7	34.1#

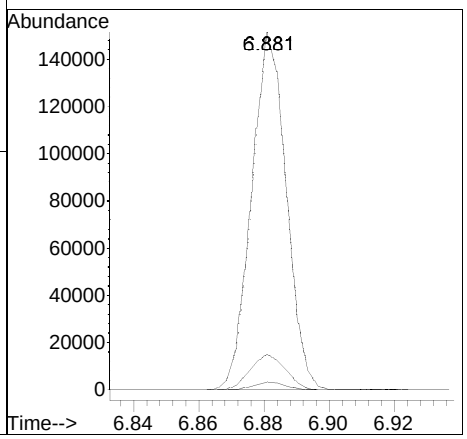


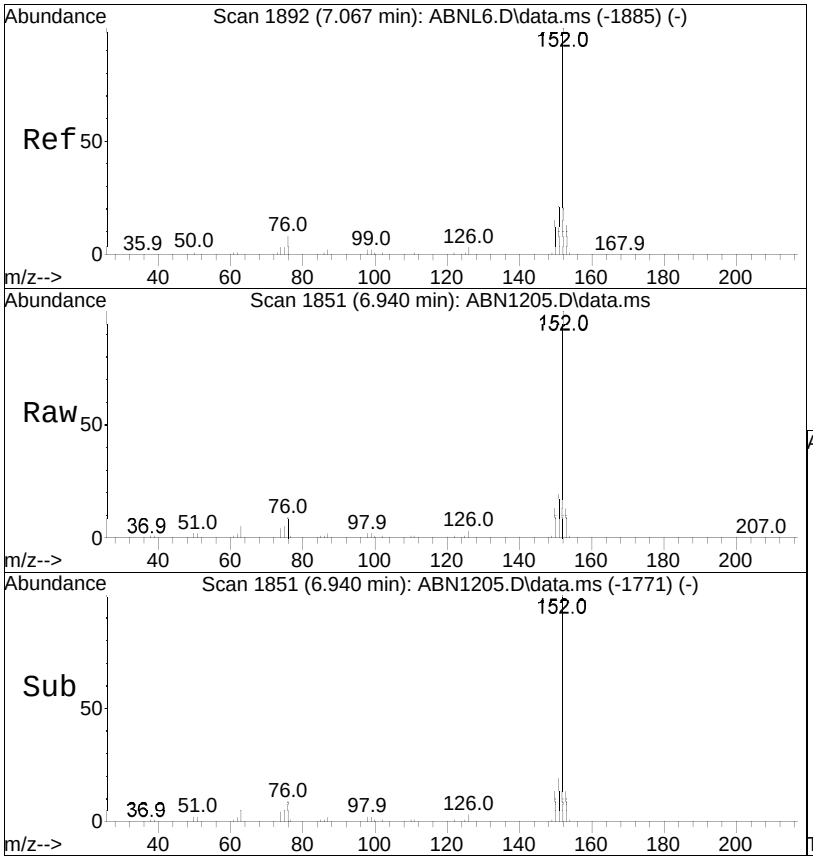


#53
Dimethyl phthalate
Concen: 4.66 ug/ml
RT: 6.881 min Scan# 1832
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:163 Resp: 110960

Ion	Ratio	Lower	Upper
163	100		
194	2.2	3.5	5.3#
164	10.2	7.9	11.9

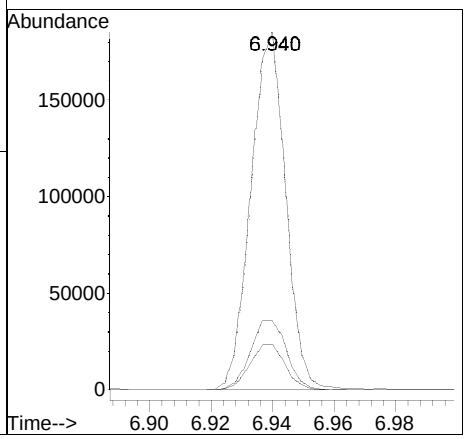


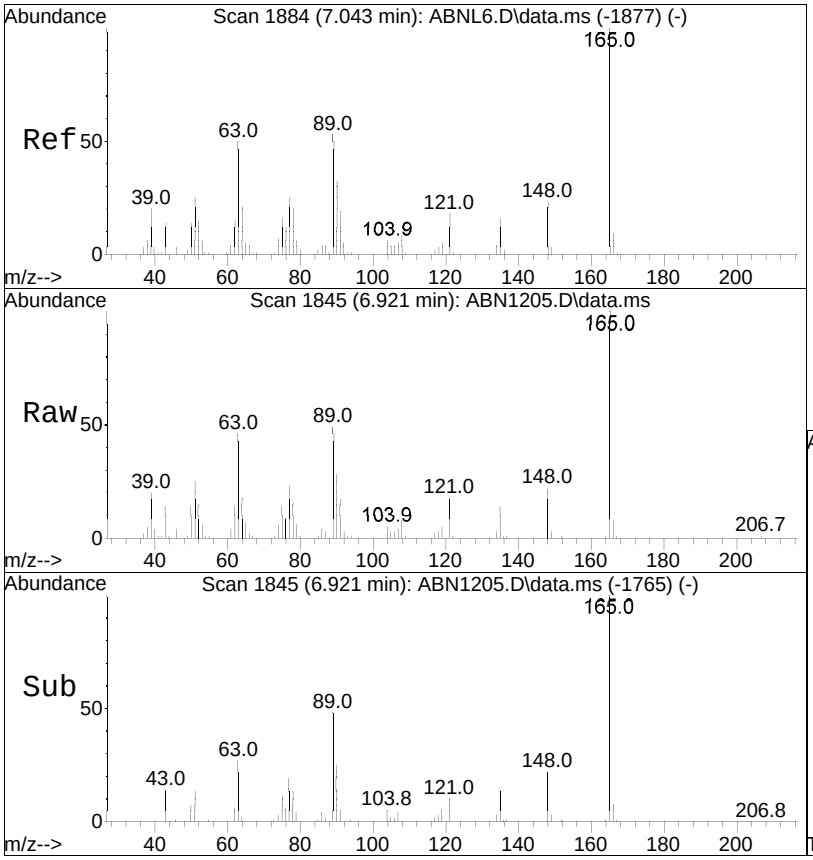


#54
Acenaphthylene
Concen: 4.77 ug/ml
RT: 6.940 min Scan# 1851
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:152 Resp: 143664

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.6
153	13.0	10.5	15.7

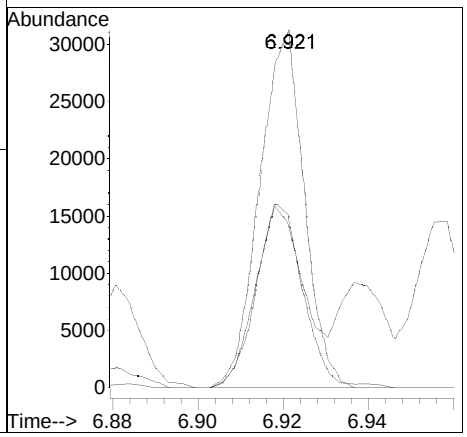


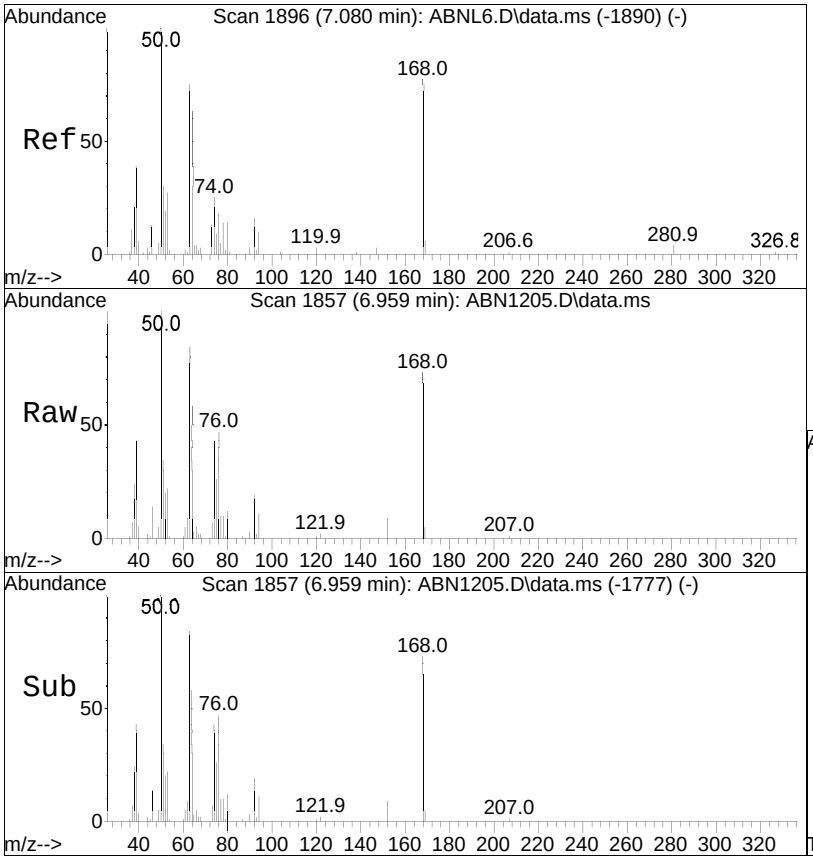


#55
2,6-Dinitrotoluene
Concen: 5.09 ug/ml
RT: 6.921 min Scan# 1845
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:165 Resp: 22633

Ion	Ratio	Lower	Upper
165	100		
89	54.1	54.2	81.2#
63	57.0	64.2	96.2#

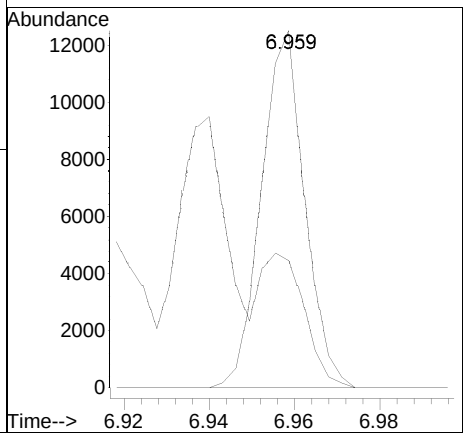


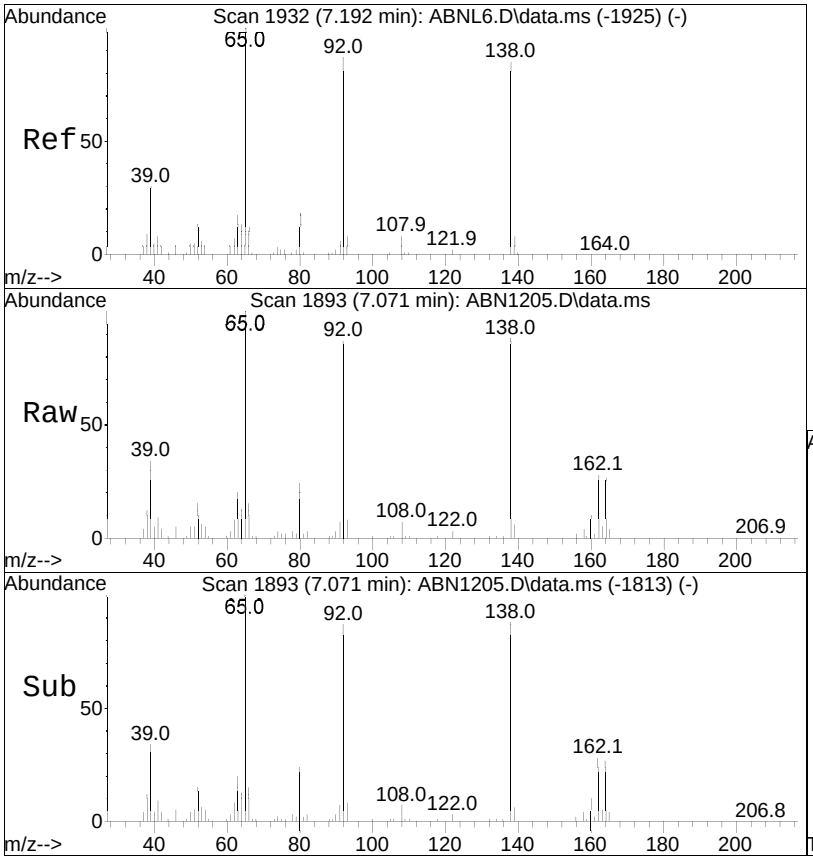


#56
1,2-Dinitrobenzene
Concen: 5.53 ug/ml
RT: 6.959 min Scan# 1857
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:168 Resp: 8812

Ion	Ratio	Lower	Upper
168	100		
75	38.7	30.9	46.3

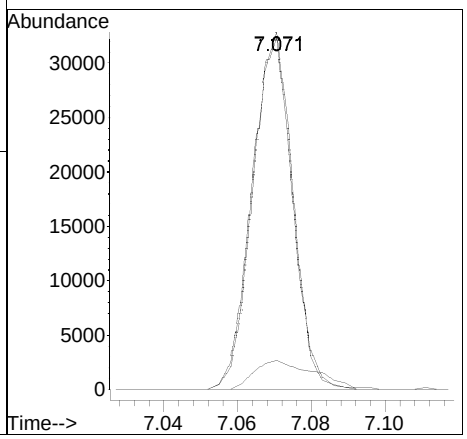


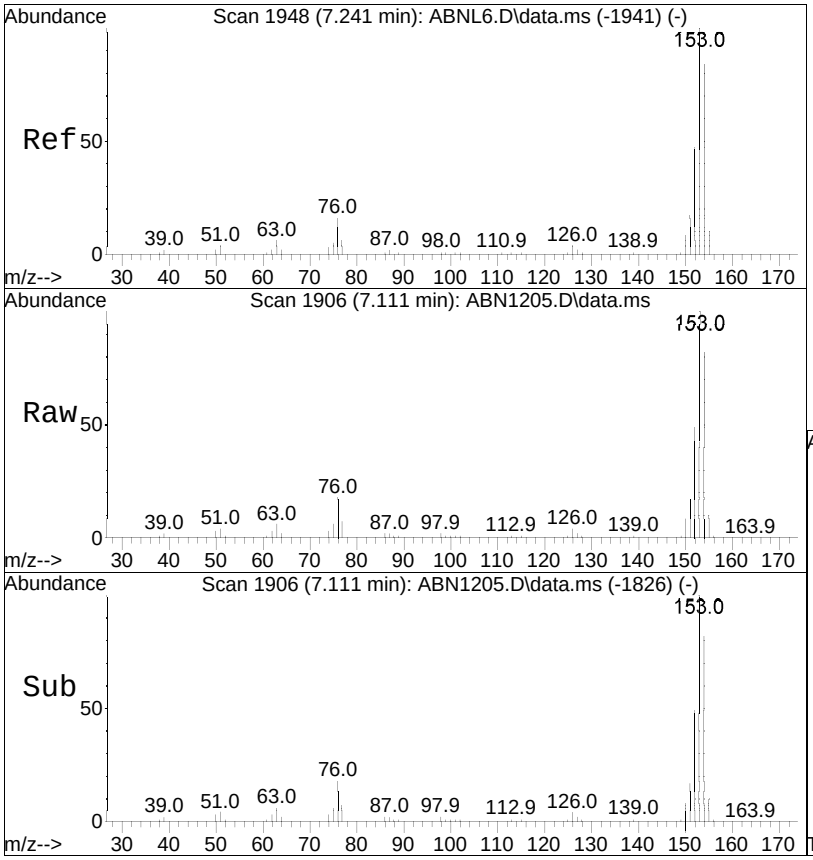


#66
3-Nitroaniline
Concen: 5.10 ug/ml
RT: 7.071 min Scan# 1893
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:138 Resp: 24424

Ion	Ratio	Lower	Upper
138	100		
92	100.7	93.4	140.2
108	12.4	9.5	14.3

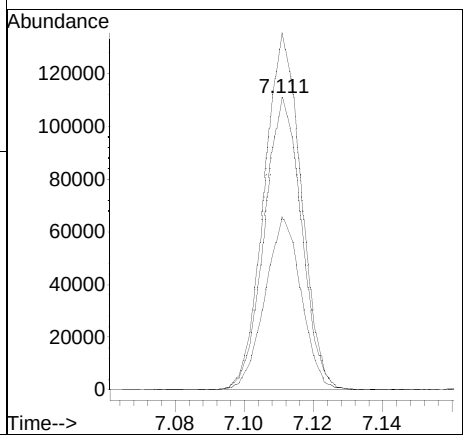


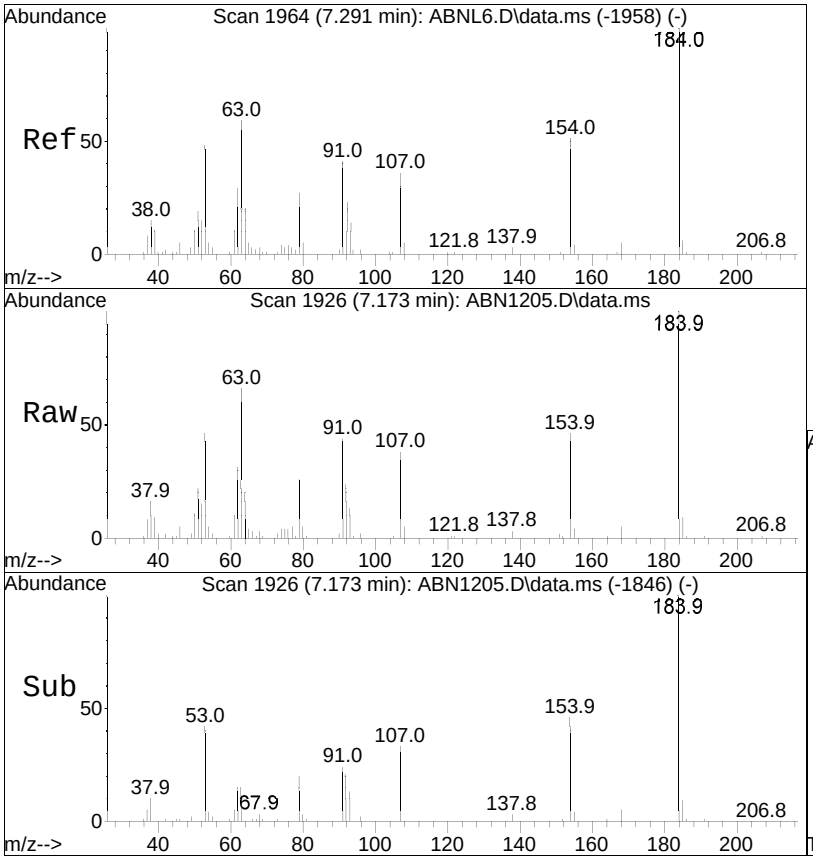


#67
Acenaphthene
Concen: 4.59 ug/ml
RT: 7.111 min Scan# 1906
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:154 Resp: 82872

Ion	Ratio	Lower	Upper
154	100		
153	121.8	85.3	127.9
152	58.3	41.4	62.0

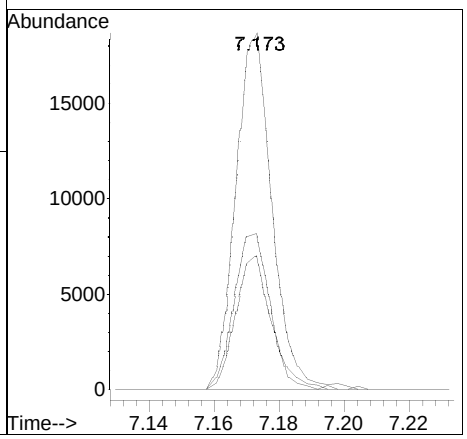


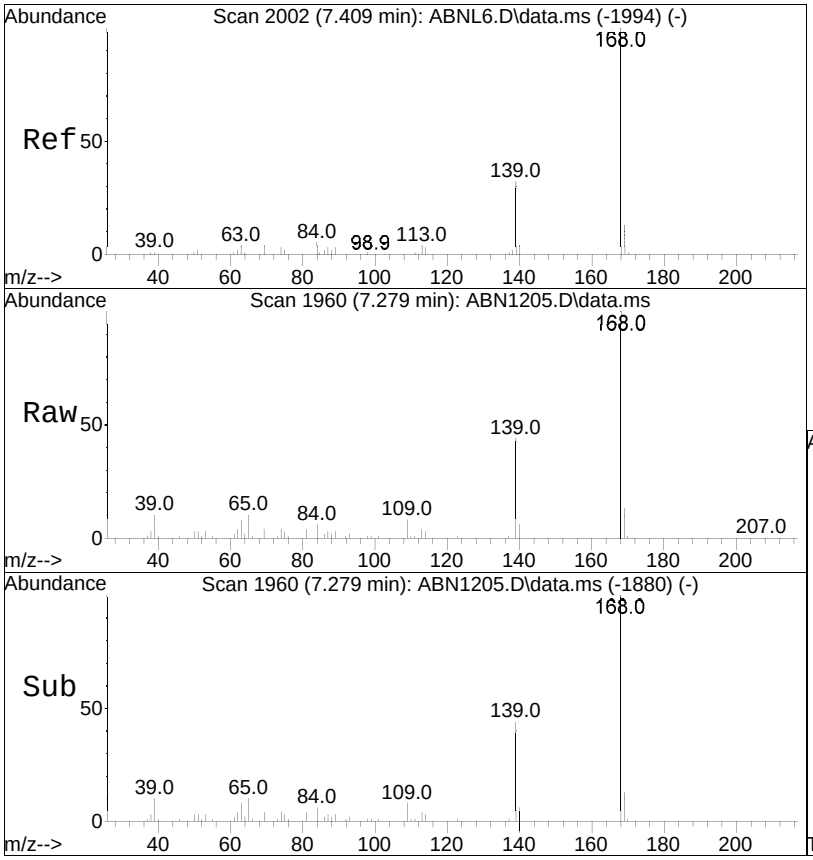


#68
2,4-Dinitrophenol
Concen: 4.92 ug/ml
RT: 7.173 min Scan# 1926
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:184 Resp: 14369

Ion	Ratio	Lower	Upper
184	100		
107	36.1	37.7	56.5#
91	44.7	46.3	69.5#

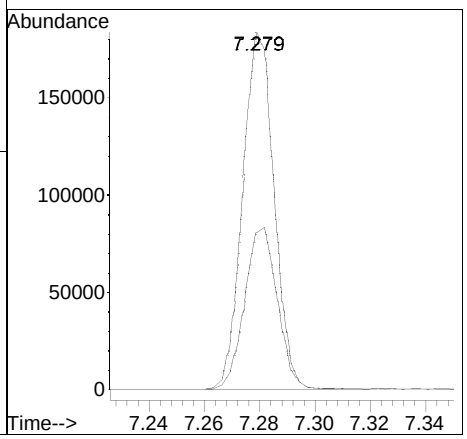


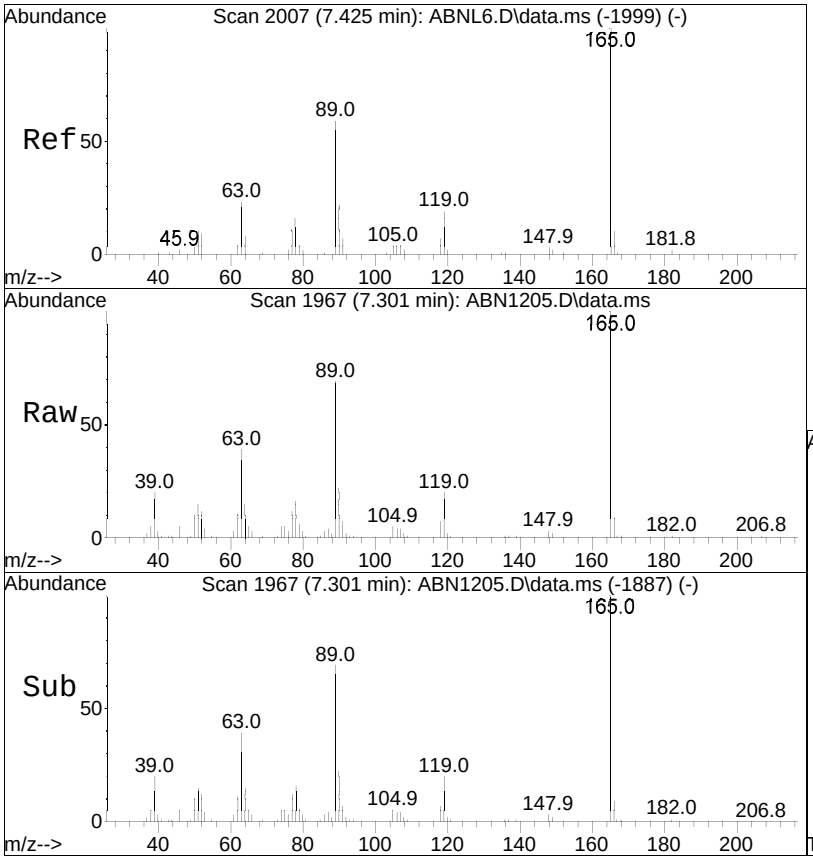


#69
Dibenzofuran
Concen: 4.61 ug/ml
RT: 7.279 min Scan# 1960
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:168 Resp: 143377

Ion	Ratio	Lower	Upper
168	100		
139	47.3	31.4	47.2#

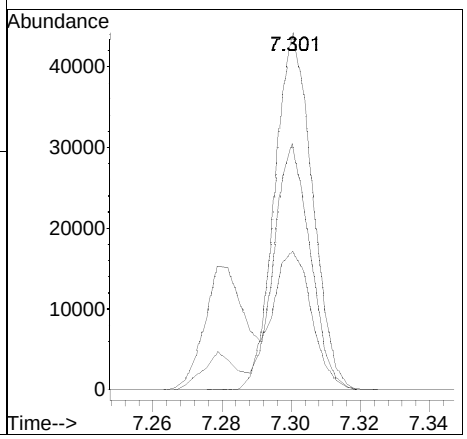


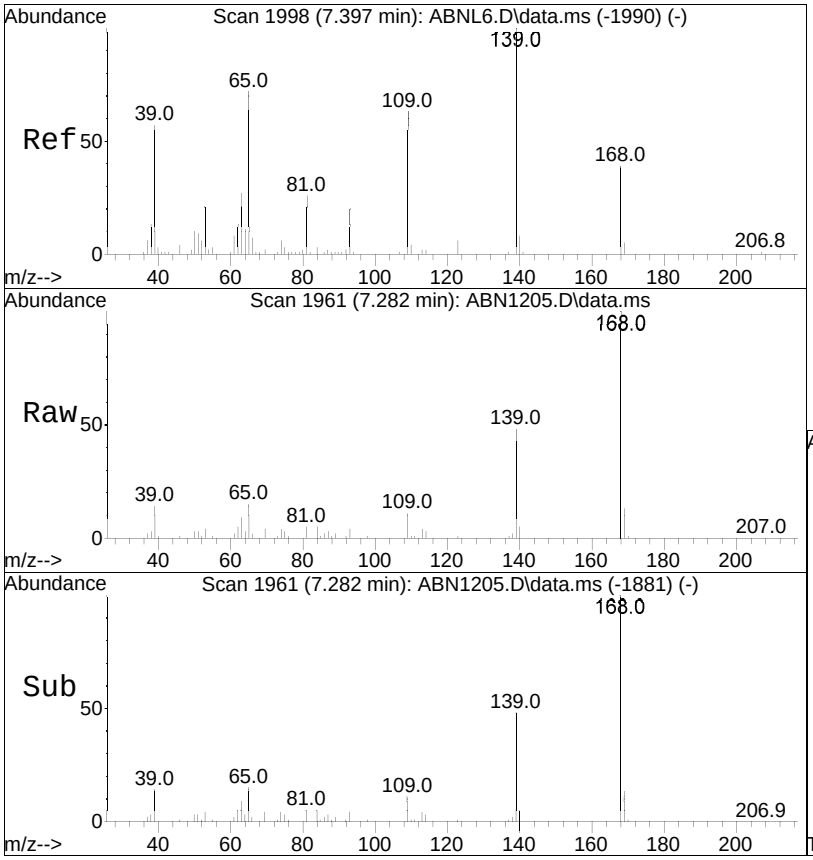


#70
2,4-Dinitrotoluene
Concen: 5.55 ug/ml
RT: 7.301 min Scan# 1967
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:165 Resp: 33370

Ion	Ratio	Lower	Upper
165	100		
89	66.0	72.0	108.0#
63	38.6	52.7	79.1#

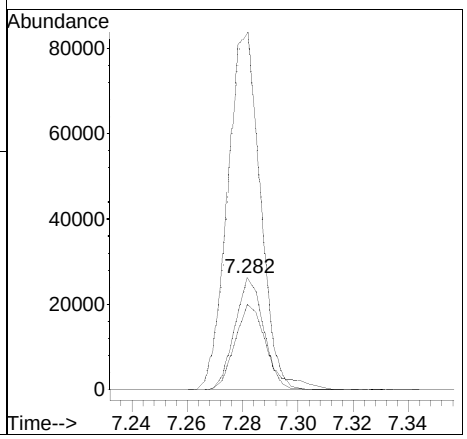


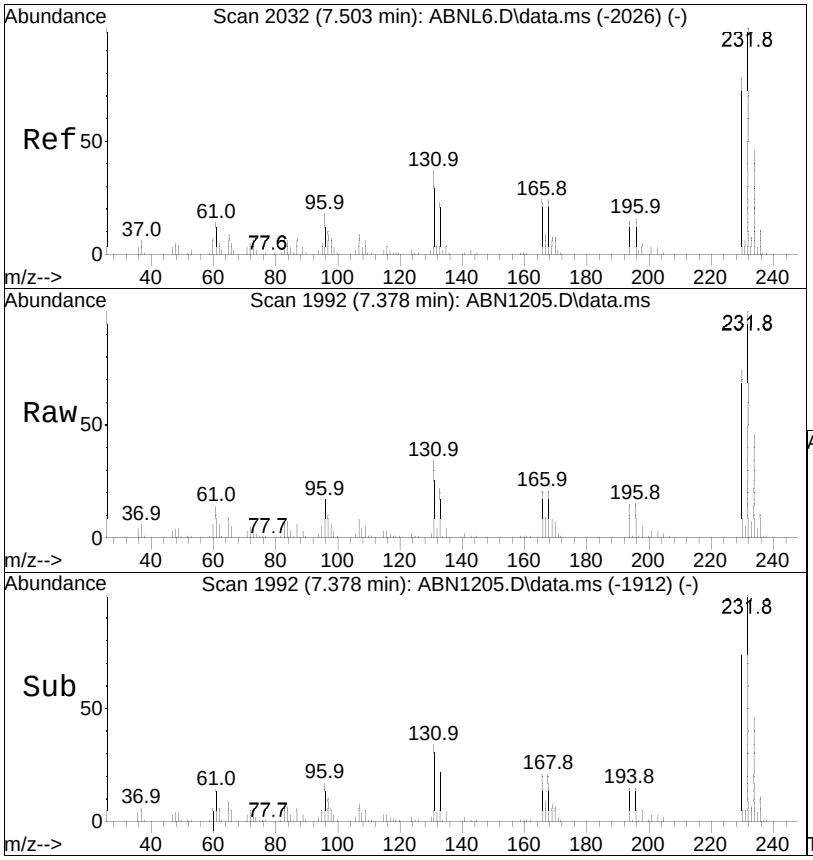


#71
4-Nitrophenol
Concen: 5.78 ug/ml
RT: 7.282 min Scan# 1961
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion: 65 Resp: 20646

Ion	Ratio	Lower	Upper
65	100		
109	74.2	47.4	71.2#
139	328.7	76.6	115.0#

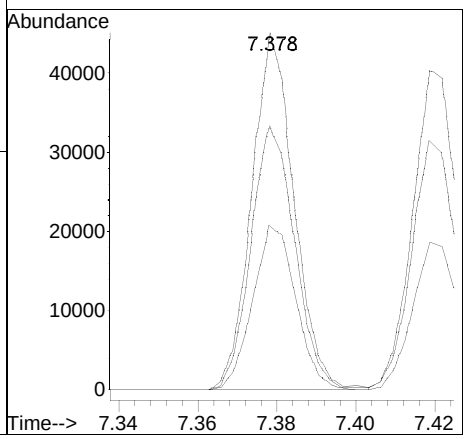


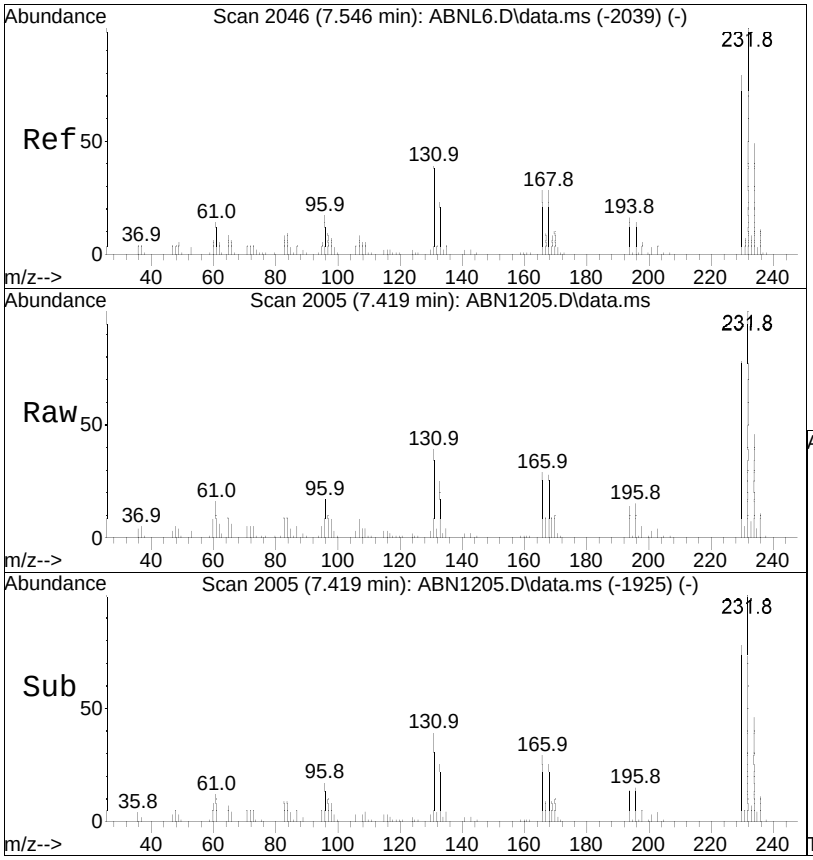


#72
2,3,5,6-Tetrachlorophenol
Concen: 4.96 ug/ml
RT: 7.378 min Scan# 1992
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:232 Resp: 33607

Ion	Ratio	Lower	Upper
232	100		
230	76.6	64.2	96.4
234	47.0	38.1	57.1

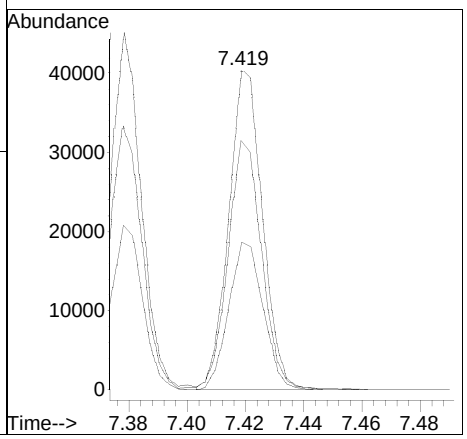


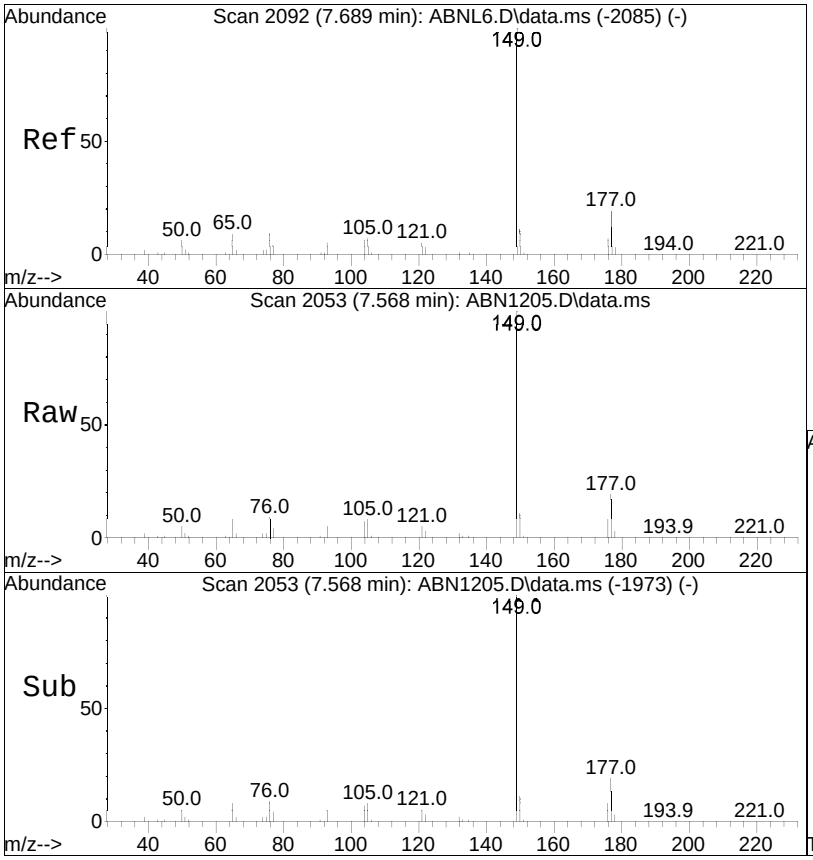


#73
2,3,4,6-Tetrachlorophenol
Concen: 4.92 ug/ml
RT: 7.419 min Scan# 2005
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:232 Resp: 32649

Ion	Ratio	Lower	Upper
232	100		
230	77.6	61.8	92.8
234	47.0	36.2	54.2

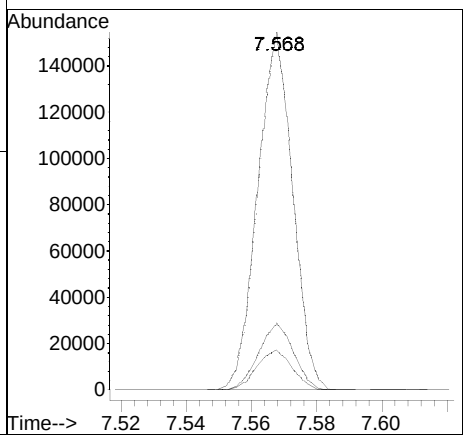


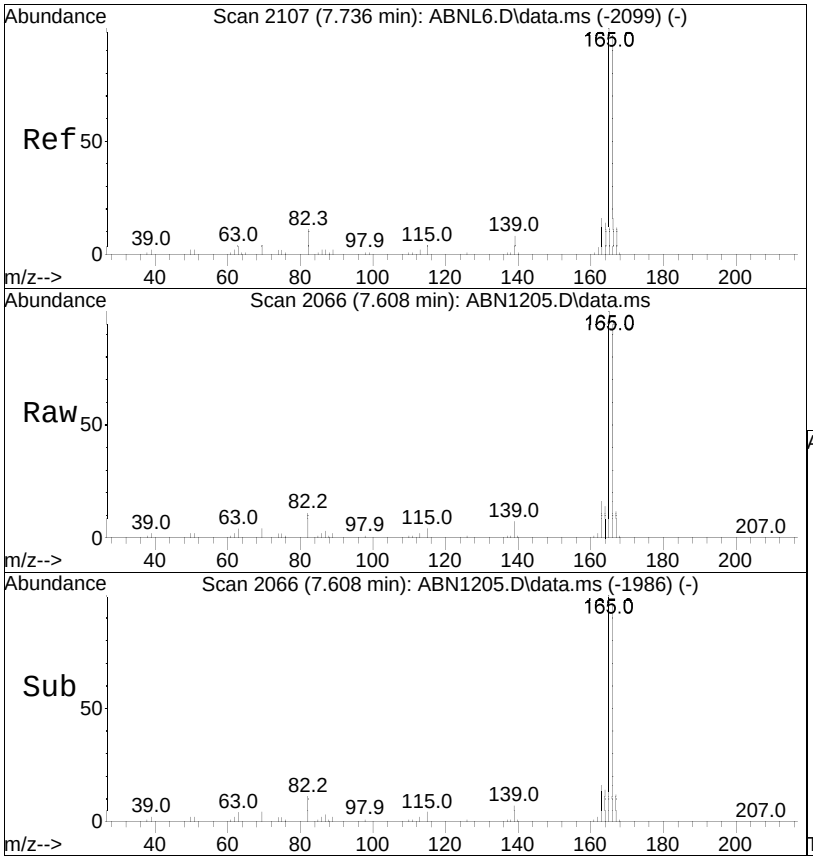


#74
Diethyl phthalate
Concen: 4.66 ug/ml
RT: 7.568 min Scan# 2053
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:149 Resp: 113967

Ion	Ratio	Lower	Upper
149	100		
177	18.8	16.1	24.1
150	11.5	9.4	14.2

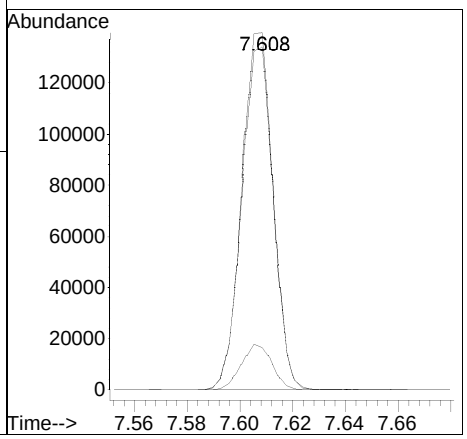


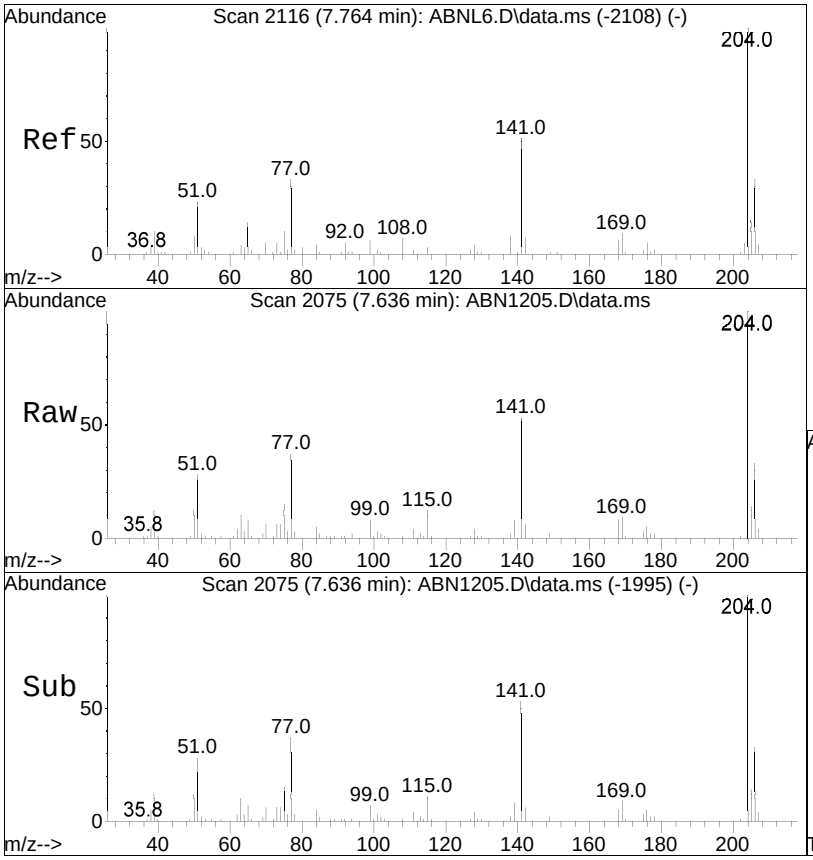


#75
Fluorene
Concen: 4.67 ug/ml
RT: 7.608 min Scan# 2066
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:166 Resp: 111348

Ion	Ratio	Lower	Upper
166	100		
165	103.8	76.2	114.2
167	13.0	10.6	15.8

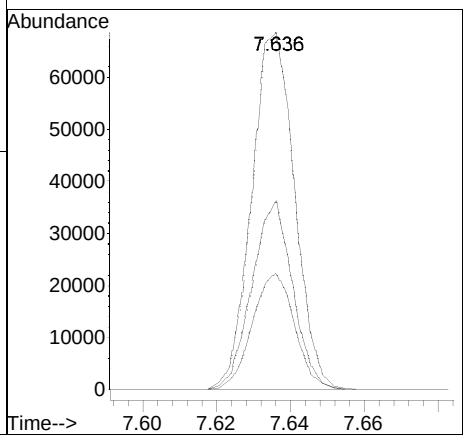


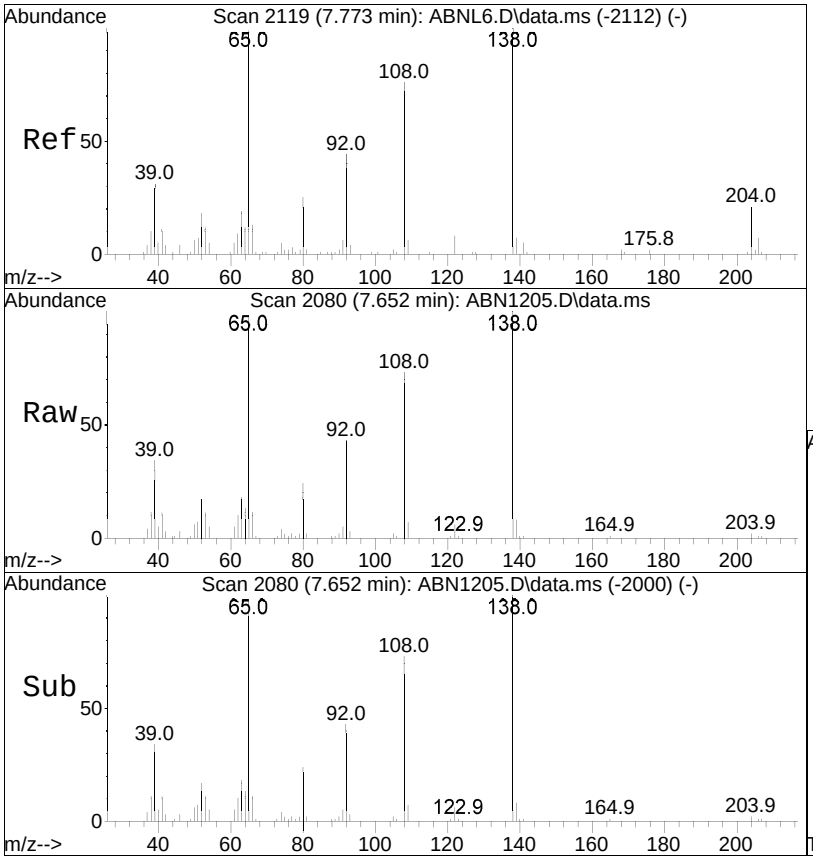


#76
4-Chlorophenyl phenyl ether
Concen: 4.47 ug/ml
RT: 7.636 min Scan# 2075
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:204 Resp: 54918

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.8	38.6
141	50.3	53.6	80.4#

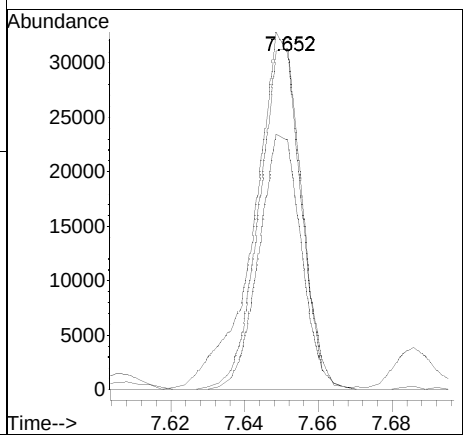


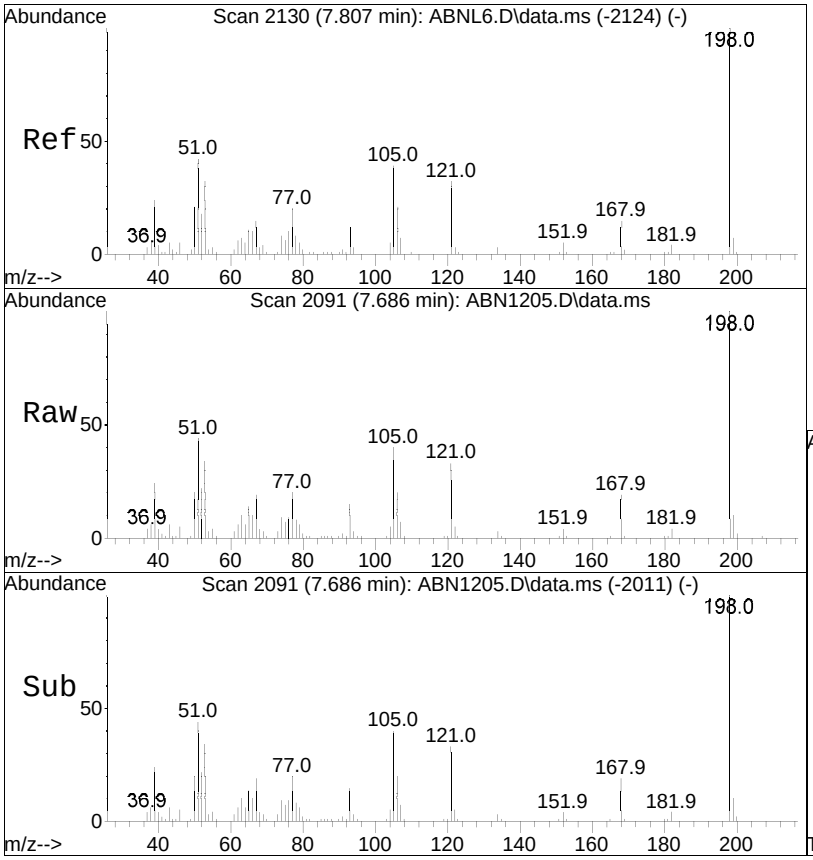


#77
4-Nitroaniline
Concen: 5.43 ug/ml
RT: 7.652 min Scan# 2080
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:138 Resp: 25173

Ion	Ratio	Lower	Upper
138	100		
108	73.7	52.1	78.1
65	113.9	115.0	172.6#

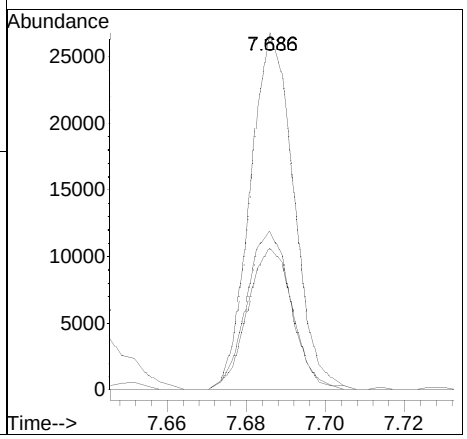


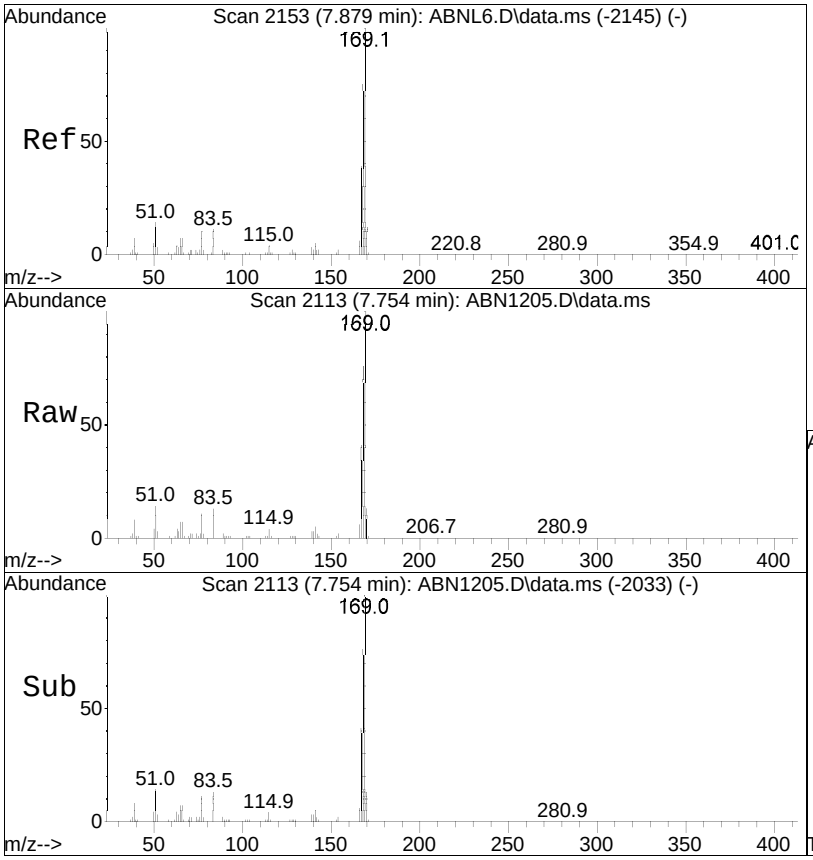


#78
4,6-Dinitro-o-cresol
Concen: 5.60 ug/ml
RT: 7.686 min Scan# 2091
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:198 Resp: 20346

Ion	Ratio	Lower	Upper
198	100		
51	45.4	76.0	114.0#
105	41.5	45.6	68.4#

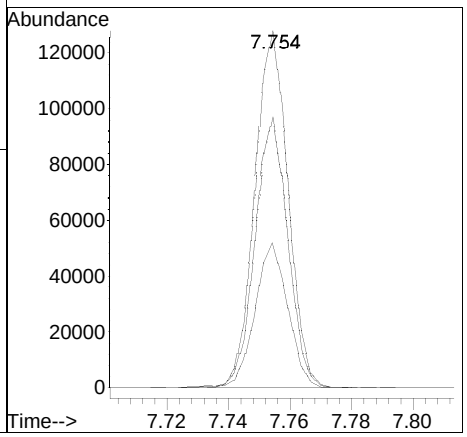


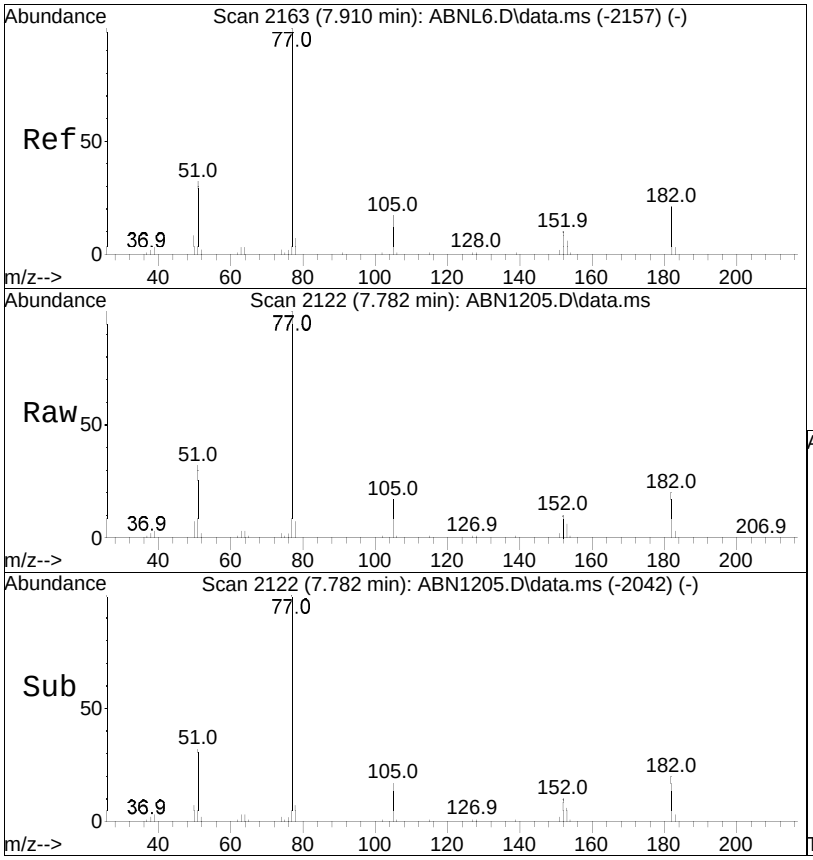


#79
NDPA/DPA
Concen: 4.62 ug/ml
RT: 7.754 min Scan# 2113
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:169 Resp: 95766

Ion	Ratio	Lower	Upper
169	100		
168	75.1	54.0	81.0
167	40.4	28.6	42.8

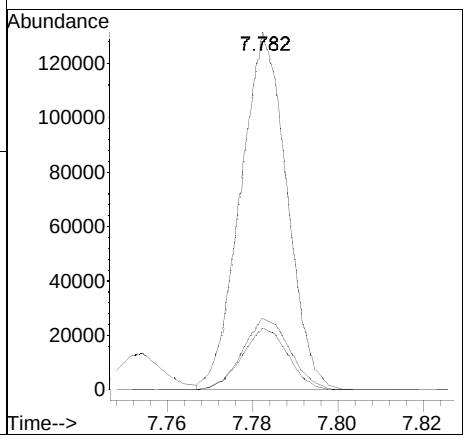


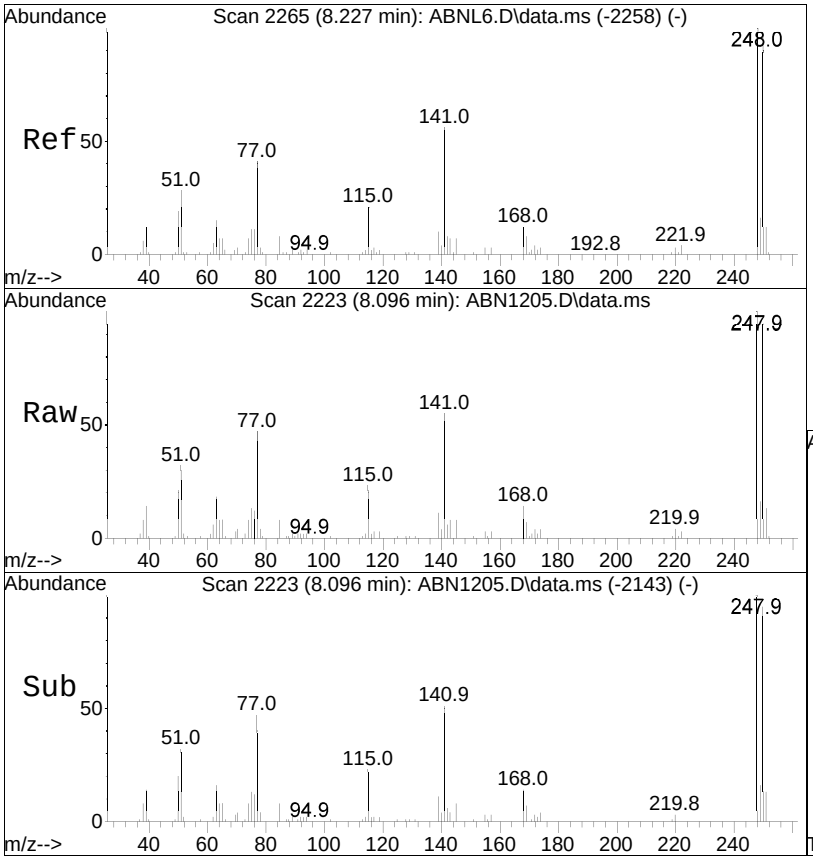


#80
Azobenzene
Concen: 4.94 ug/ml
RT: 7.782 min Scan# 2122
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion: 77 Resp: 98231

Ion	Ratio	Lower	Upper
77	100		
182	20.6	17.4	26.2
105	17.3	15.4	23.2

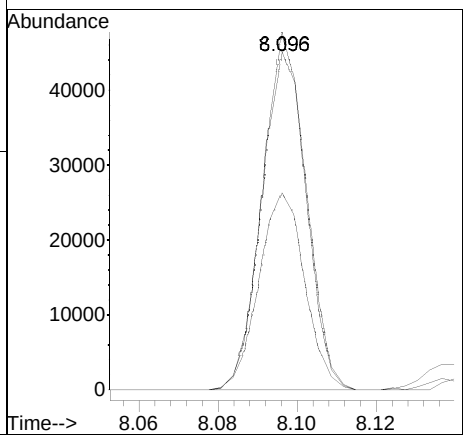


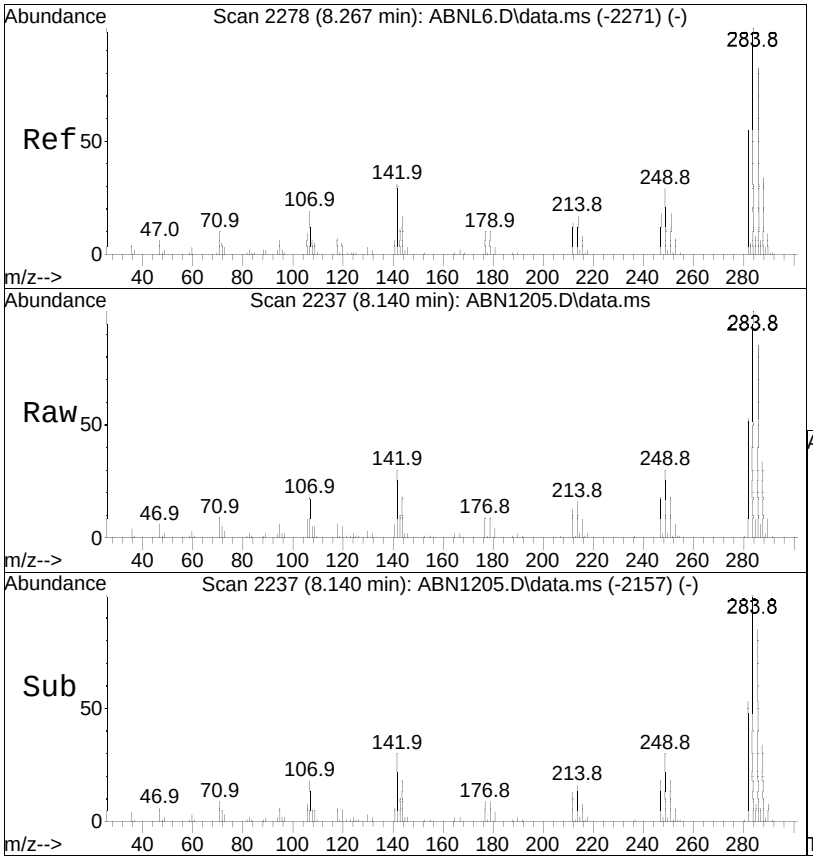


#82
4-Bromophenyl phenyl ether
Concen: 4.51 ug/ml
RT: 8.096 min Scan# 2223
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:248 Resp: 36503

Ion	Ratio	Lower	Upper
248	100		
141	57.7	76.6	114.8#
250	95.9	77.3	115.9

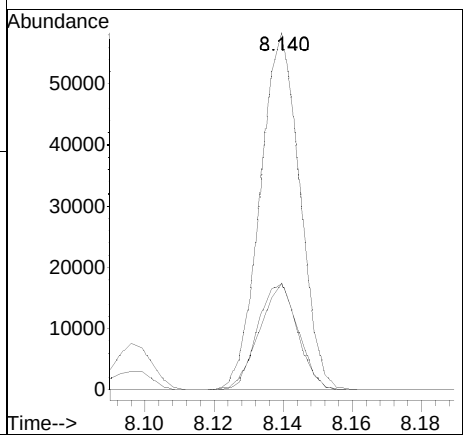


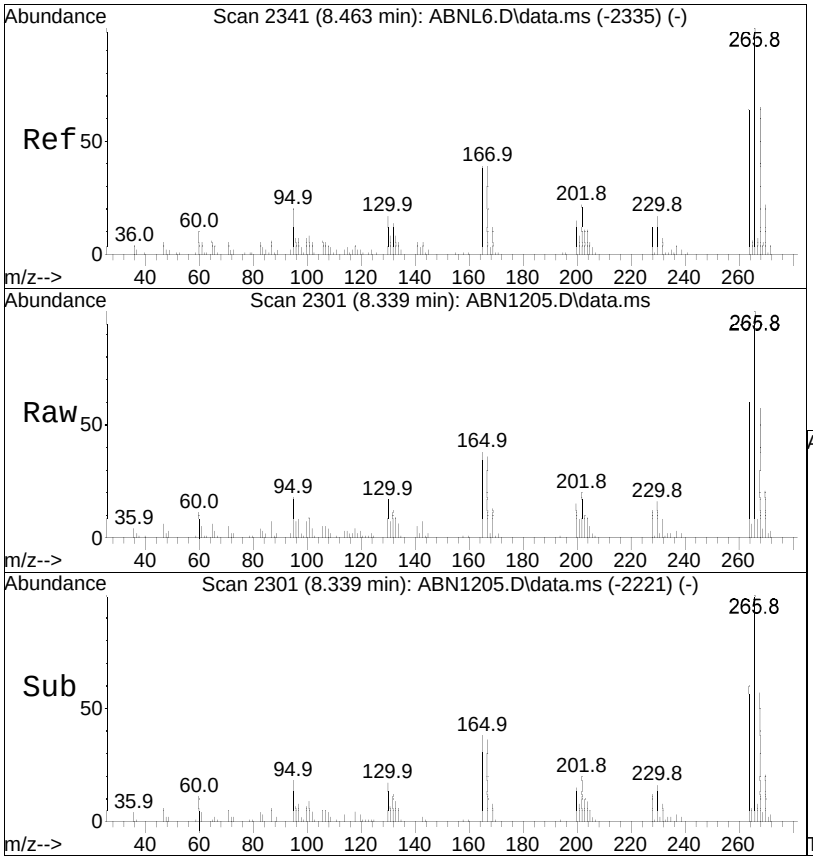


#83
Hexachlorobenzene
Concen: 4.56 ug/ml
RT: 8.140 min Scan# 2237
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:284 Resp: 46407

Ion	Ratio	Lower	Upper
284	100		
142	30.4	41.9	62.9#
249	29.1	24.1	36.1

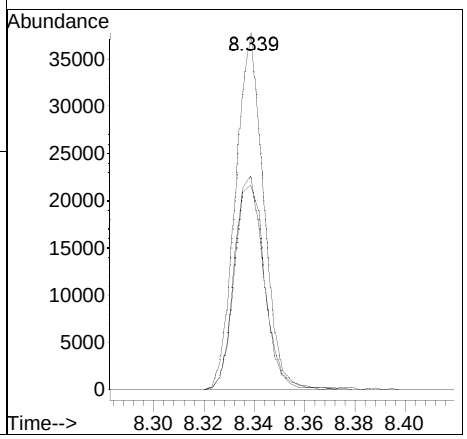


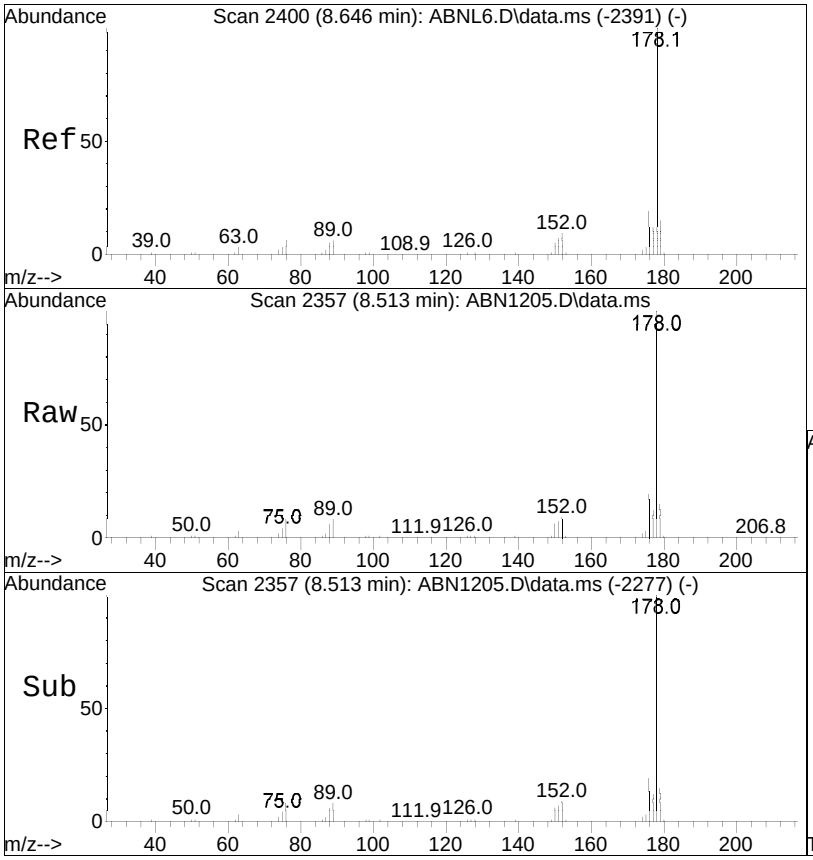


#84
Pentachlorophenol
Concen: 5.35 ug/ml
RT: 8.339 min Scan# 2301
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:266 Resp: 29526

Ion	Ratio	Lower	Upper
266	100		
264	62.5	49.7	74.5
268	62.2	50.5	75.7

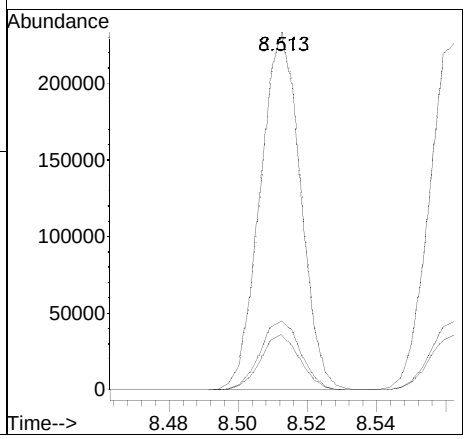


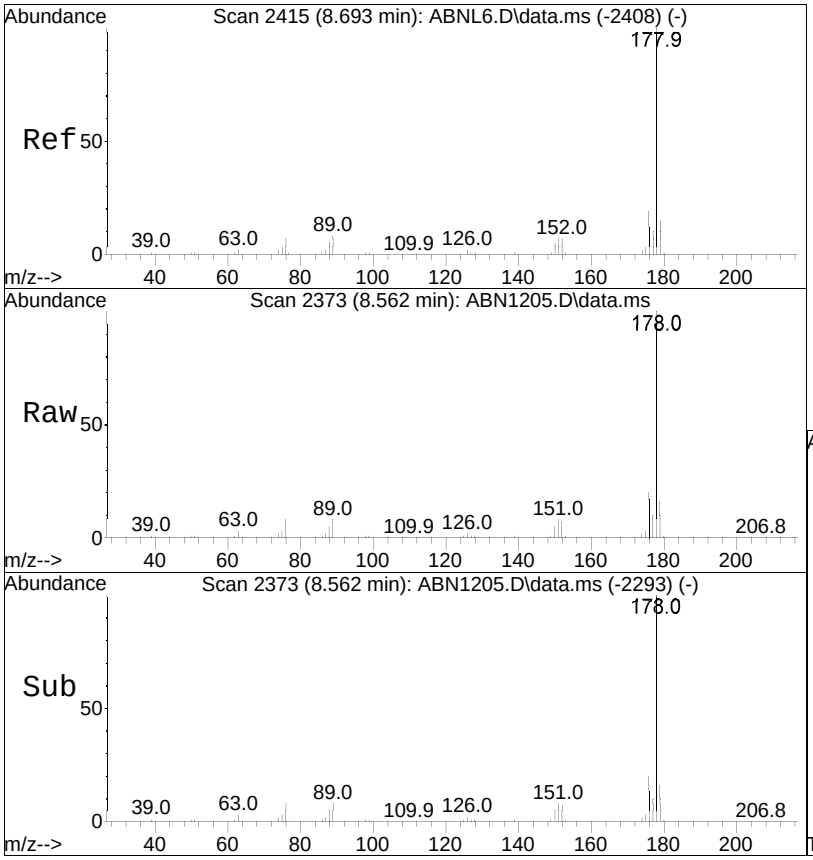


#91
Phenanthrene
Concen: 4.69 ug/ml
RT: 8.513 min Scan# 2357
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:178 Resp: 188826

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	19.4	15.4	23.2

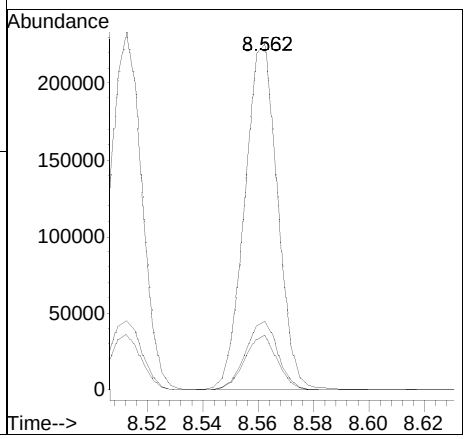


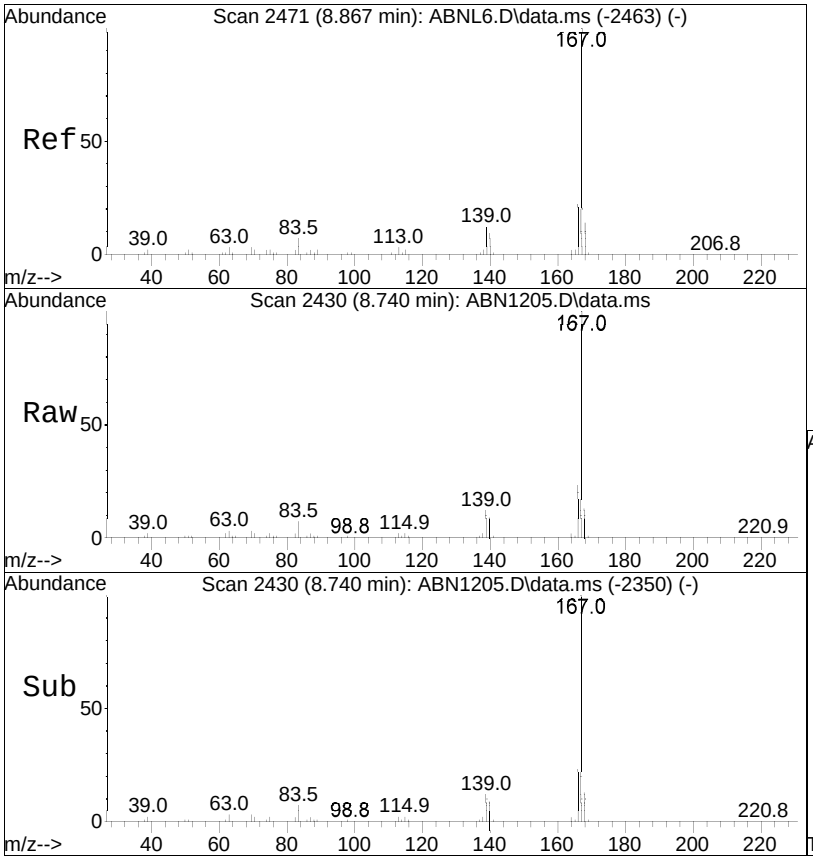


#92
Anthracene
Concen: 4.71 ug/ml
RT: 8.562 min Scan# 2373
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:178 Resp: 186327

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.0	18.0
176	19.4	14.6	22.0

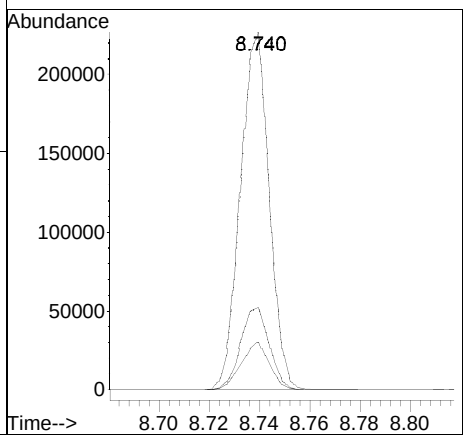


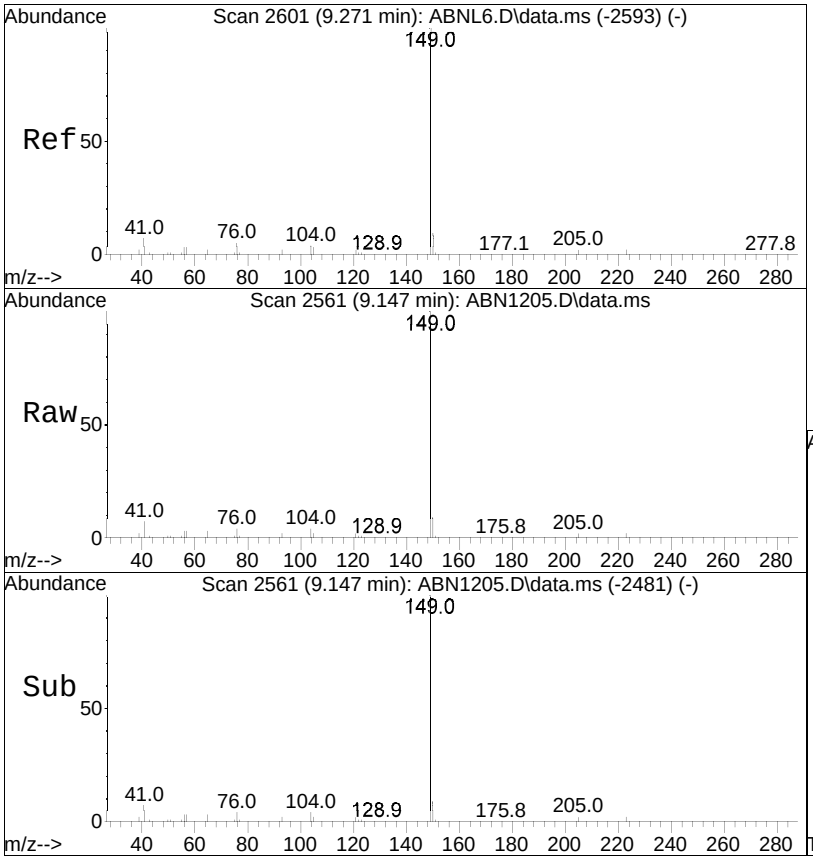


#93
Carbazole
Concen: 4.93 ug/ml
RT: 8.740 min Scan# 2430
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:167 Resp: 178759

Ion	Ratio	Lower	Upper
167	100		
168	13.1	10.6	15.8
166	23.1	17.4	26.0

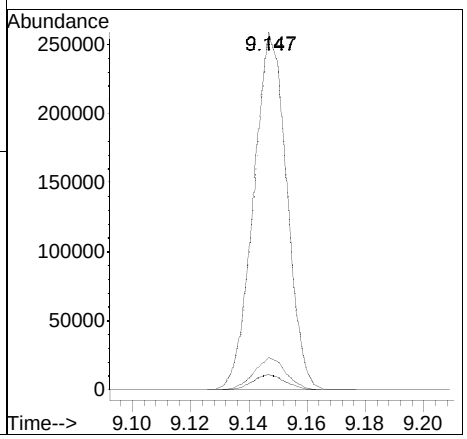


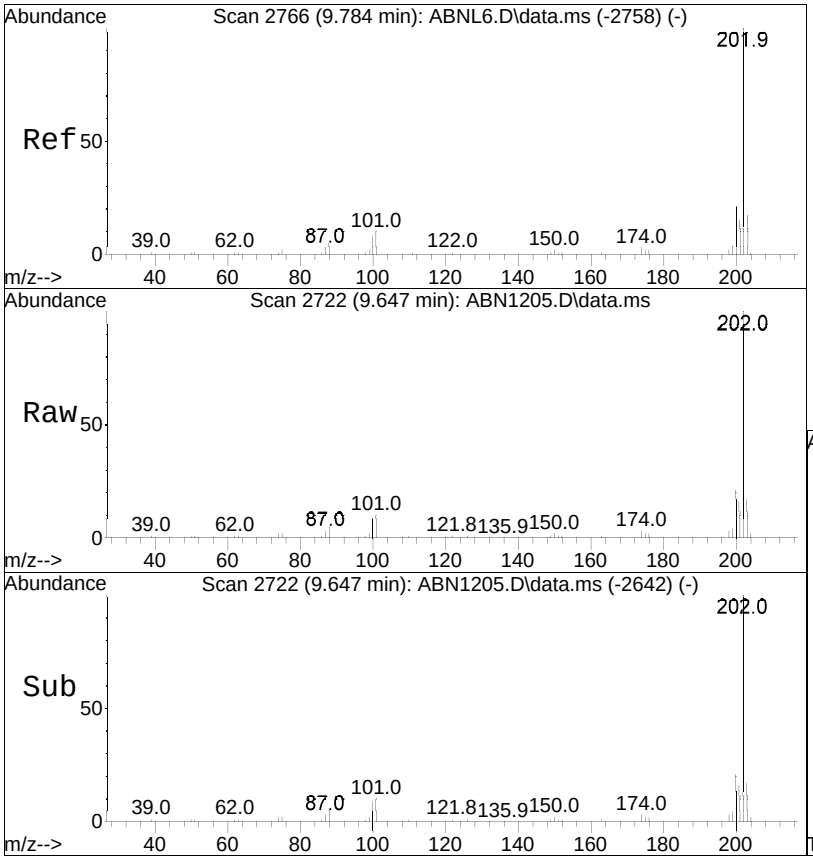


#94
Di-n-butylphthalate
Concen: 4.90 ug/ml
RT: 9.147 min Scan# 2561
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:149 Resp: 201630

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	4.3	4.5	6.7#

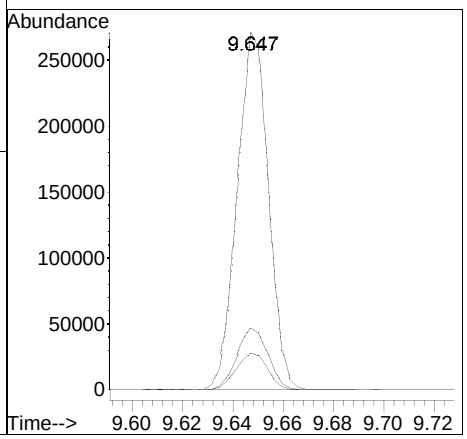


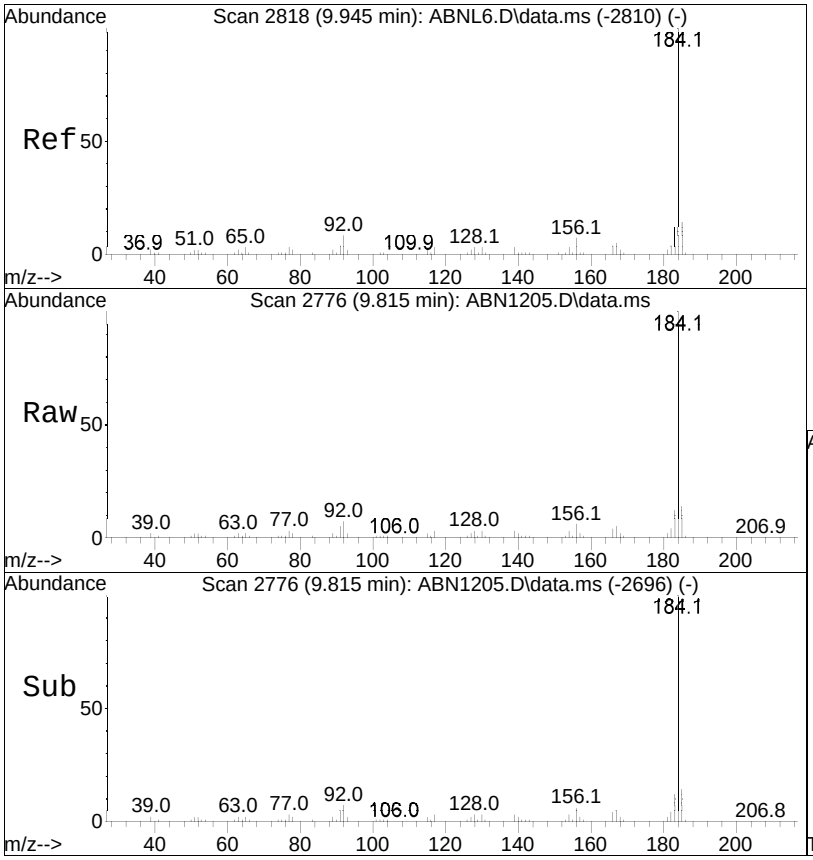


#95
Fluoranthene
Concen: 4.79 ug/ml
RT: 9.647 min Scan# 2722
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:202 Resp: 232245

Ion	Ratio	Lower	Upper
202	100		
101	10.5	13.5	20.3#
203	17.3	13.6	20.4

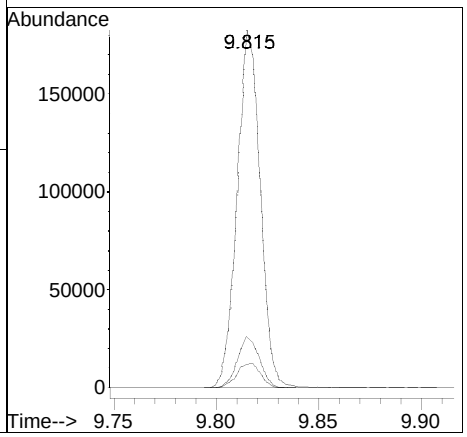


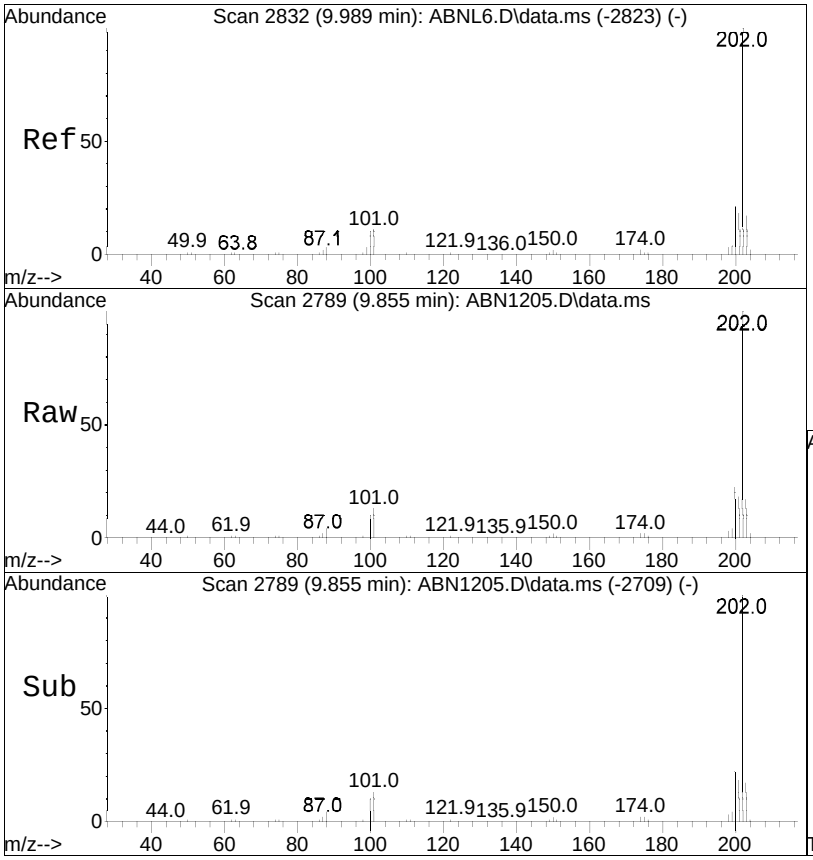


#96
Benzidine
Concen: 5.39 ug/ml
RT: 9.815 min Scan# 2776
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:184 Resp: 141641

Ion	Ratio	Lower	Upper
184	100		
92	7.2	9.1	13.7#
185	13.8	11.1	16.7

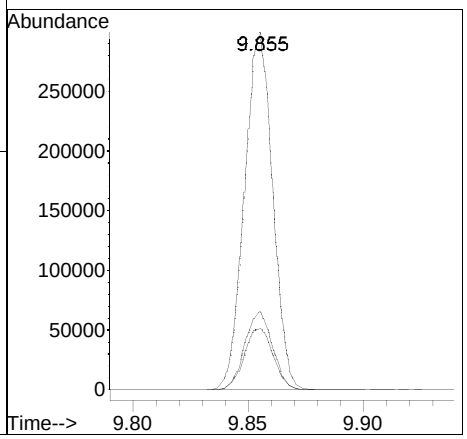


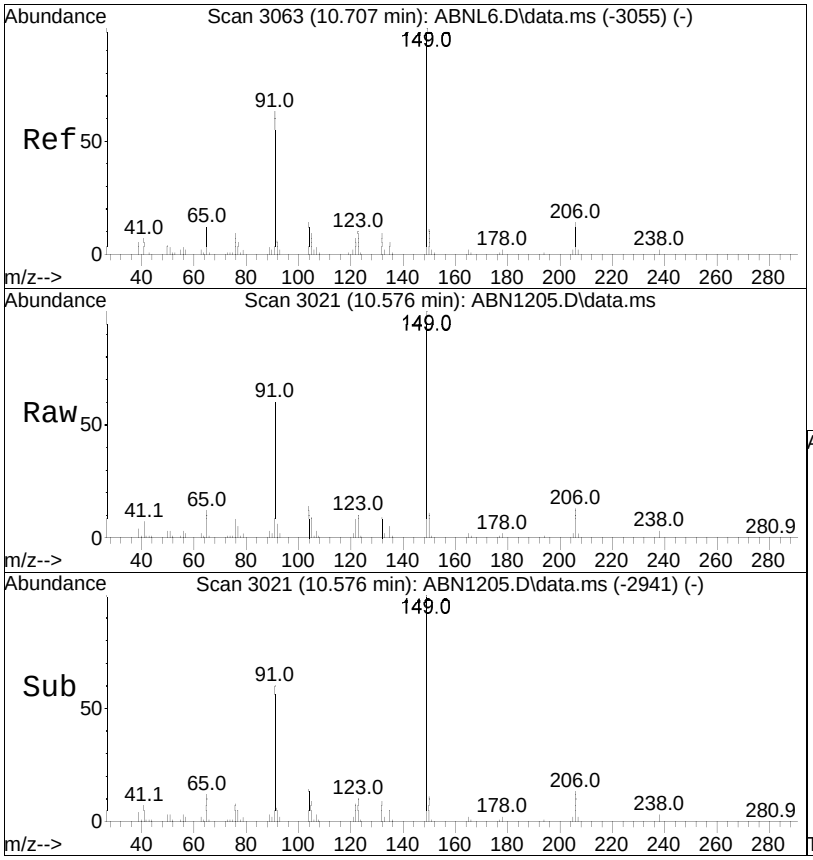


#97
Pyrene
Concen: 4.86 ug/ml
RT: 9.855 min Scan# 2789
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:202 Resp: 251892

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.7	25.1
203	17.8	14.2	21.4

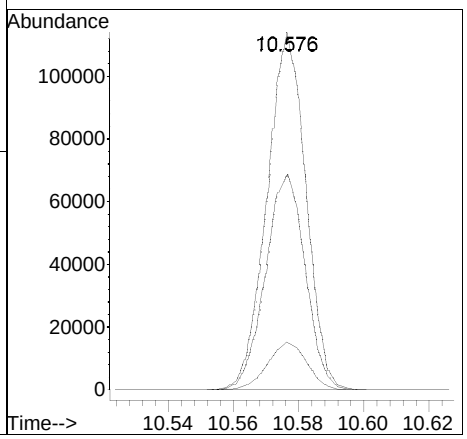


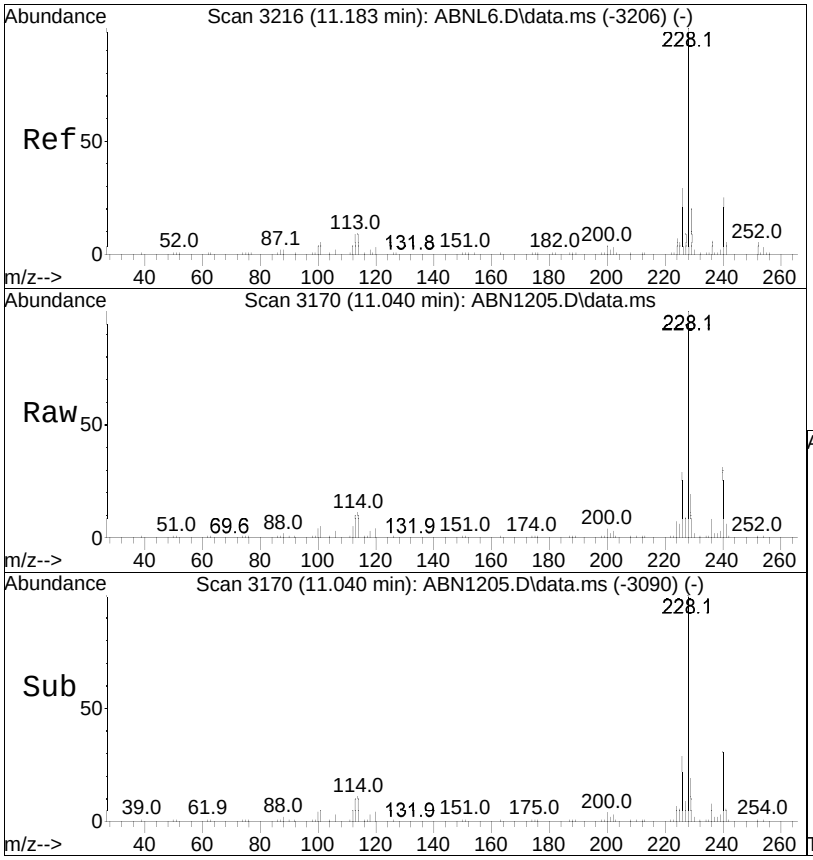


#99
Butyl benzyl phthalate
Concen: 5.31 ug/ml
RT: 10.576 min Scan# 3021
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:149 Resp: 93533

Ion	Ratio	Lower	Upper
149	100		
91	61.8	63.3	94.9#
206	13.6	13.9	20.9#

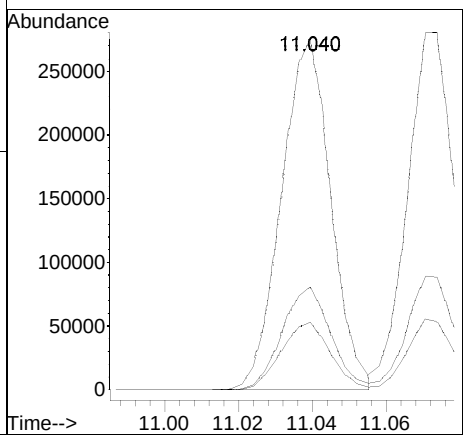


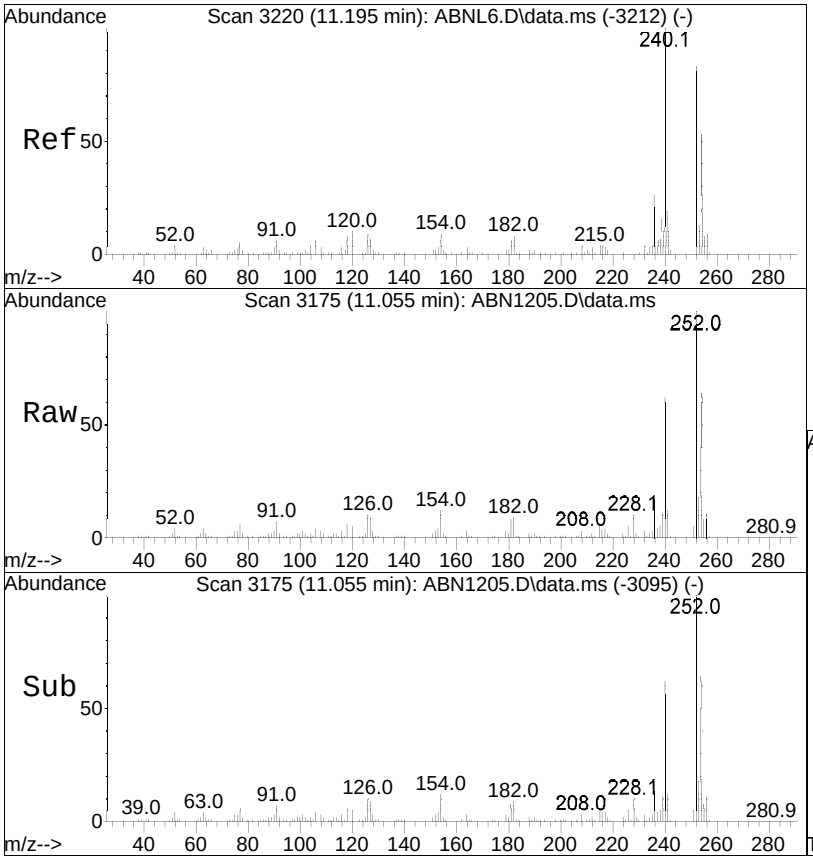


#107
Benzo(a)anthracene
Concen: 4.57 ug/ml
RT: 11.040 min Scan# 3170
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:228 Resp: 255150

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.4
229	19.4	15.6	23.4

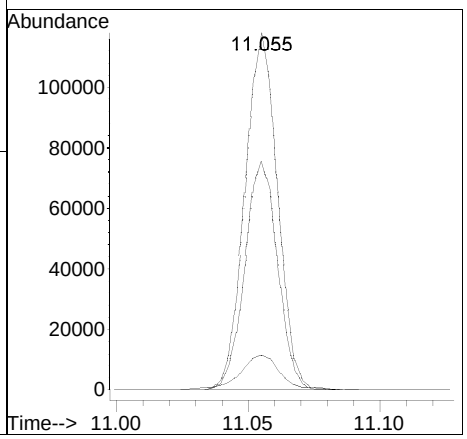


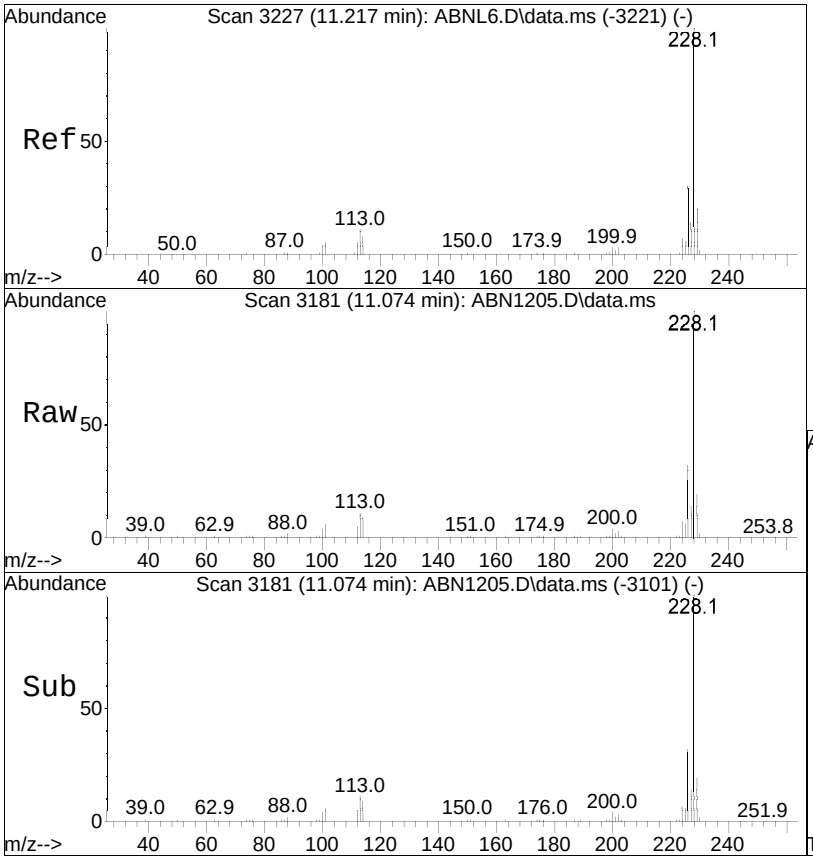


#108
3,3'-Dichlorobenzidine
Concen: 4.87 ug/ml
RT: 11.055 min Scan# 3175
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:252 Resp: 101324

Ion	Ratio	Lower	Upper
252	100		
126	12.1	14.5	21.7#
254	64.3	51.2	76.8

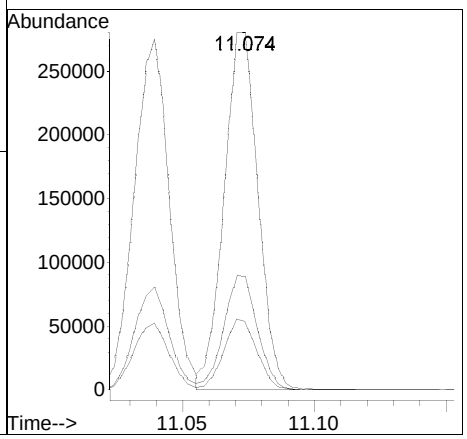


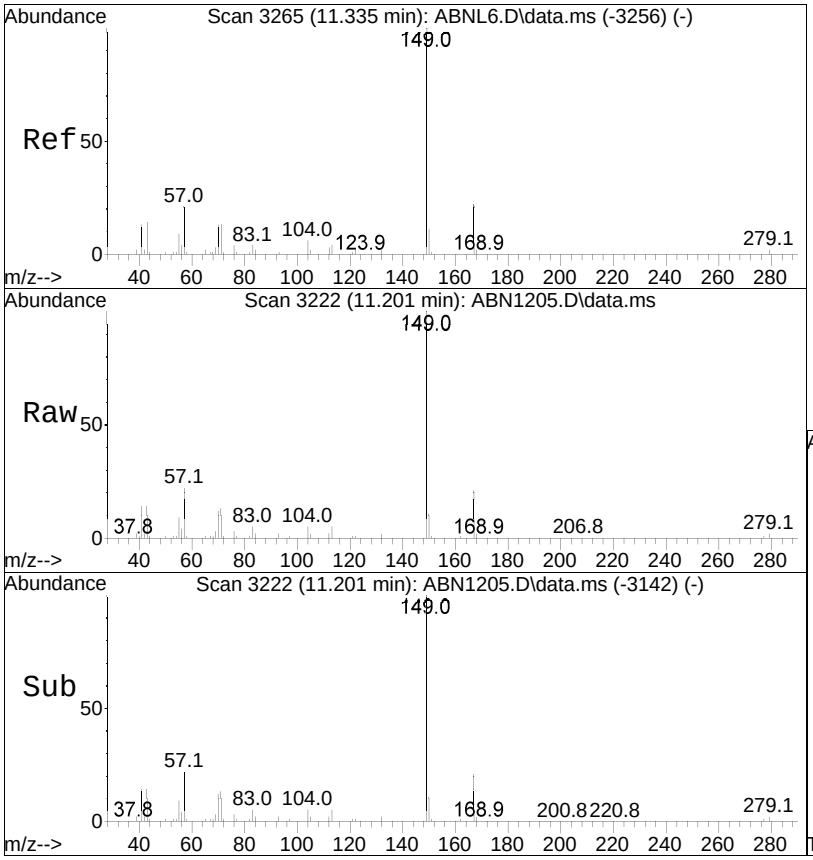


#109
Chrysene
Concen: 4.51 ug/ml
RT: 11.074 min Scan# 3181
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:228 Resp: 250614

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.0	36.0
229	19.4	15.8	23.8

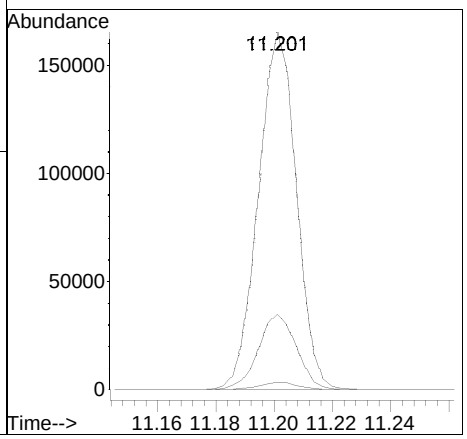


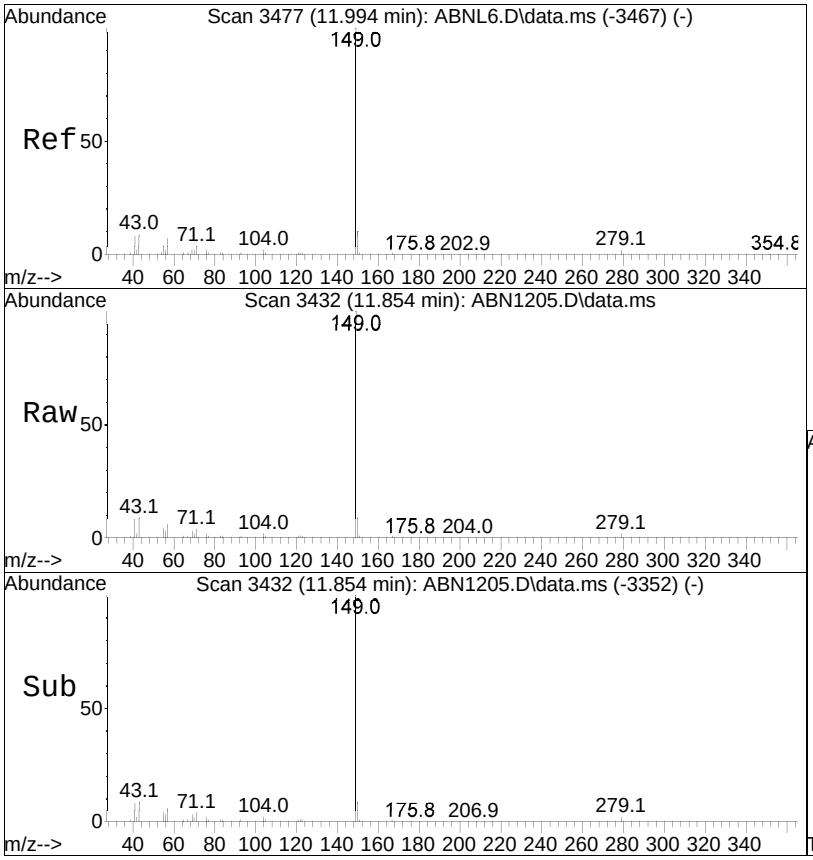


#110
Bis(2-ethylhexyl)phthalate
Concen: 4.94 ug/ml
RT: 11.201 min Scan# 3222
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:149 Resp: 148016

Ion	Ratio	Lower	Upper
149	100		
167	21.1	22.1	33.1#
279	1.8	3.0	4.4#

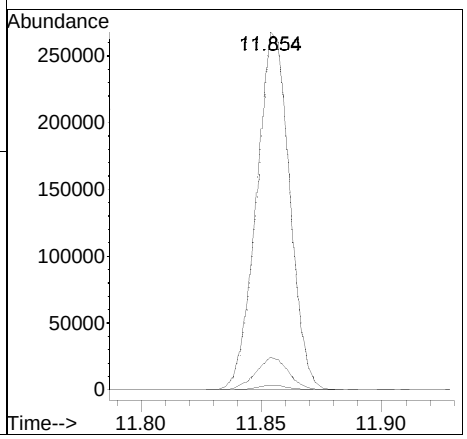


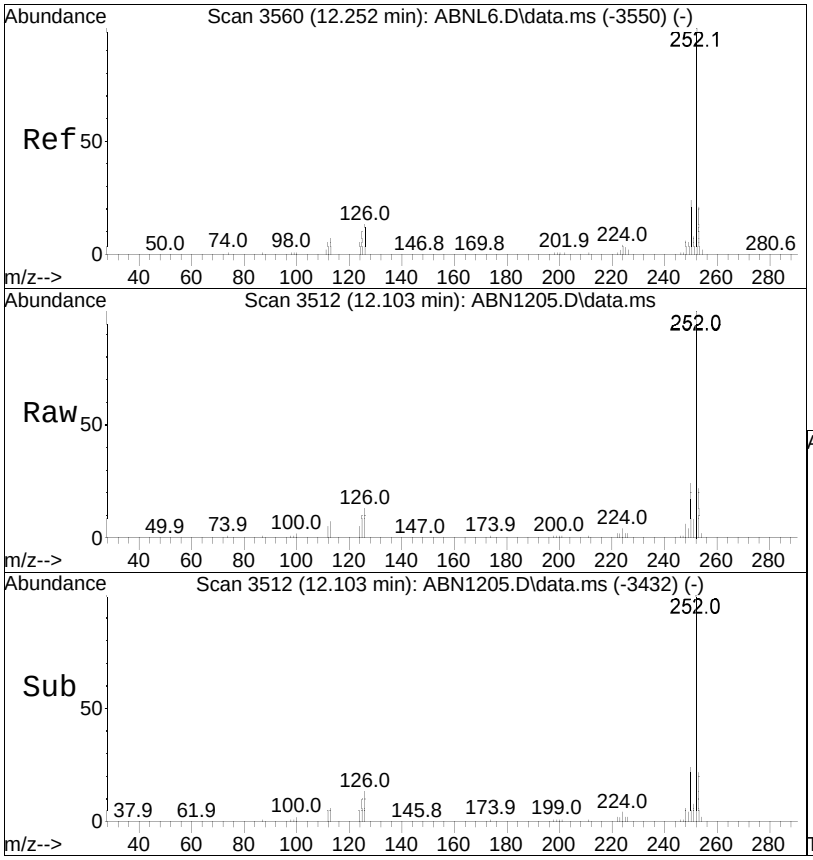


#111
Di-n-octylphthalate
Concen: 5.06 ug/ml
RT: 11.854 min Scan# 3432
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:149 Resp: 252547

Ion	Ratio	Lower	Upper
149	100		
43	9.1	18.8	28.2#
167	1.2	1.3	1.9#

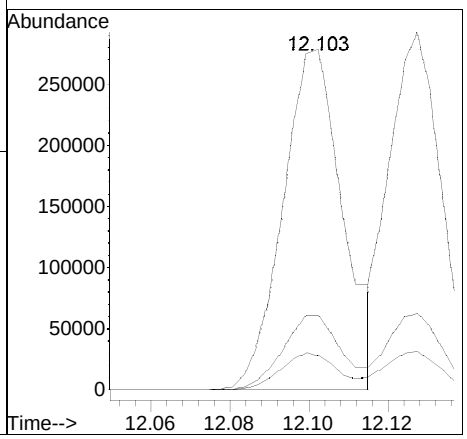


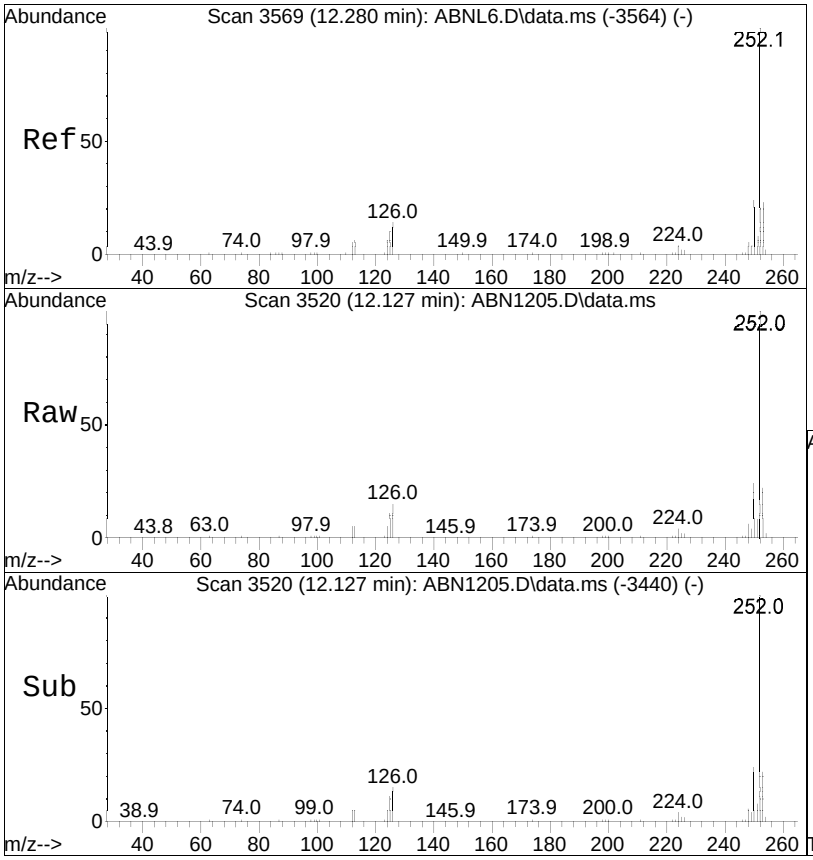


#112
Benzo(b)fluoranthene
Concen: 5.02 ug/ml
RT: 12.103 min Scan# 3512
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:252 Resp: 293761

Ion	Ratio	Lower	Upper
252	100		
125	10.2	13.3	19.9#
253	20.6	17.1	25.7

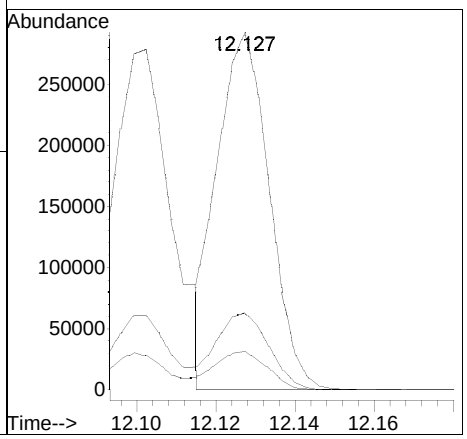


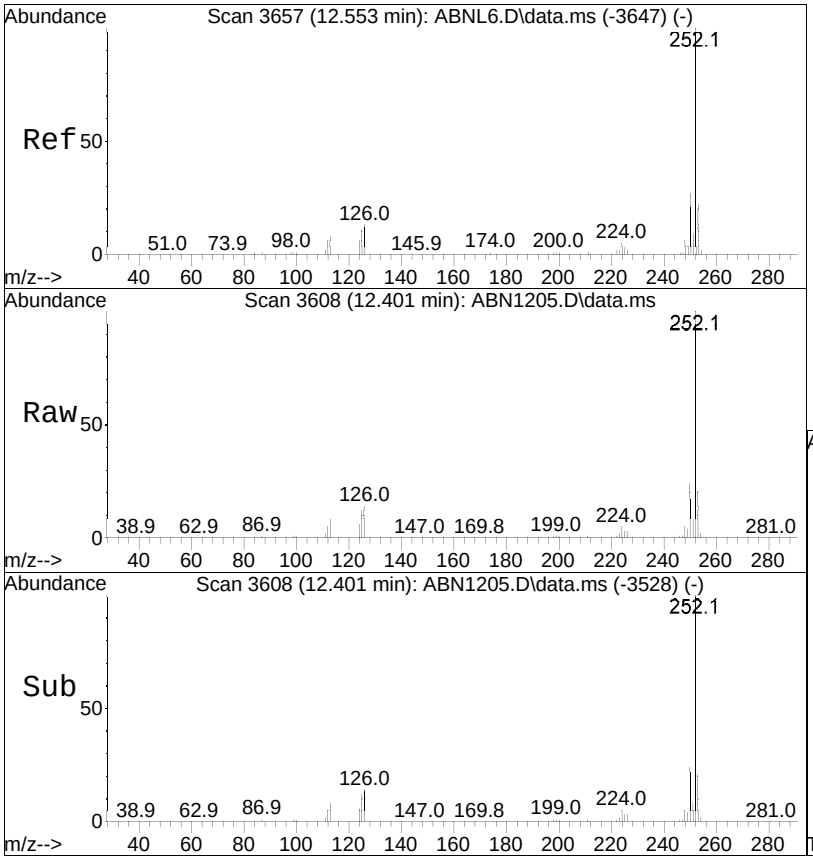


#113
Benzo(k)fluoranthene
Concen: 4.69 ug/ml
RT: 12.127 min Scan# 3520
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:252 Resp: 267500

Ion	Ratio	Lower	Upper
252	100		
125	11.5	13.0	19.6#
253	23.0	16.8	25.2

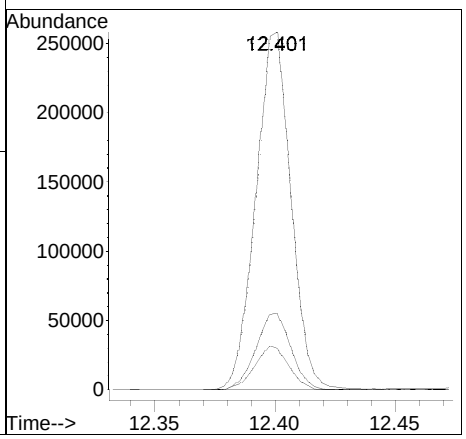


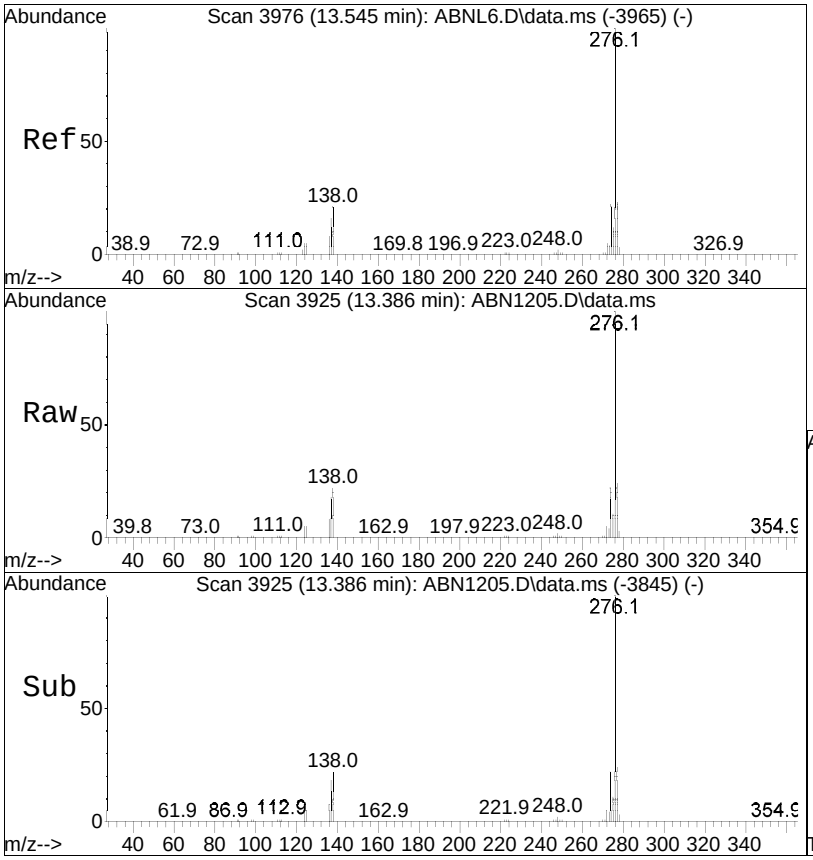


#114
Benzo(a)pyrene
Concen: 4.97 ug/ml
RT: 12.401 min Scan# 3608
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:252 Resp: 259663

Ion	Ratio	Lower	Upper
252	100		
125	12.1	14.2	21.2#
253	21.6	16.9	25.3

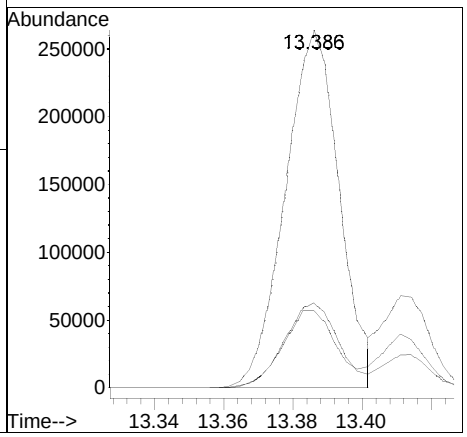


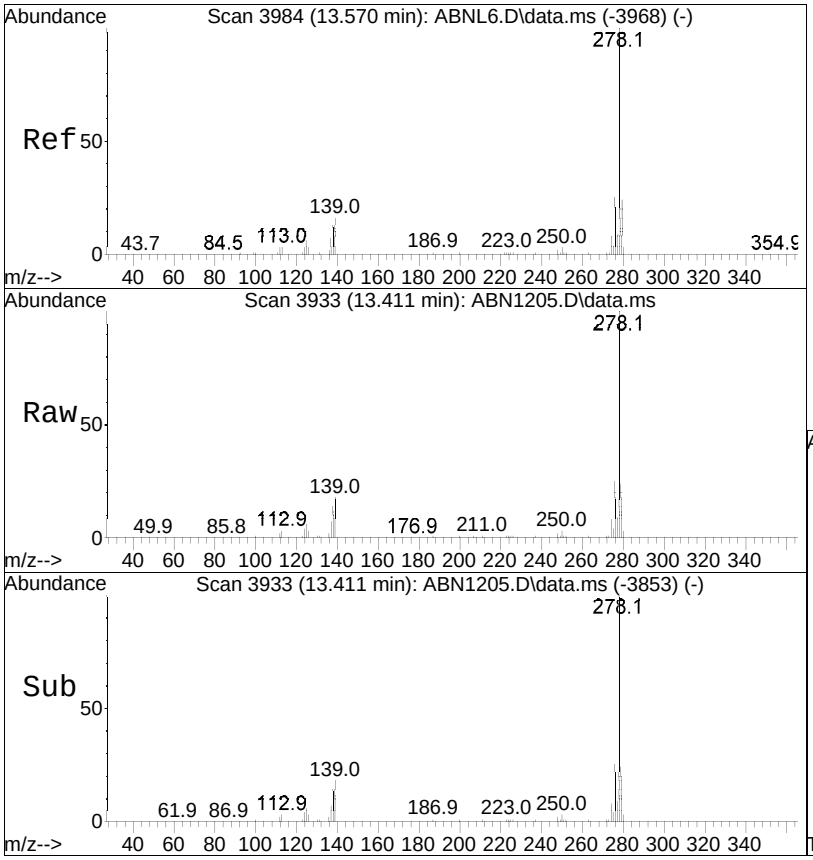


#116
Indeno(1,2,3-cd)pyrene
Concen: 4.69 ug/mL
RT: 13.386 min Scan# 3925
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:276 Resp: 284638

Ion	Ratio	Lower	Upper
276	100		
138	21.6	25.1	37.7#
277	24.1	18.6	28.0

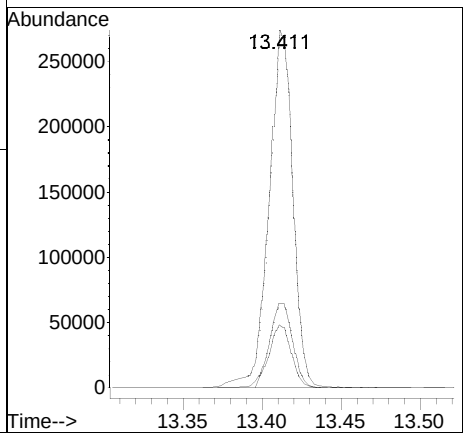


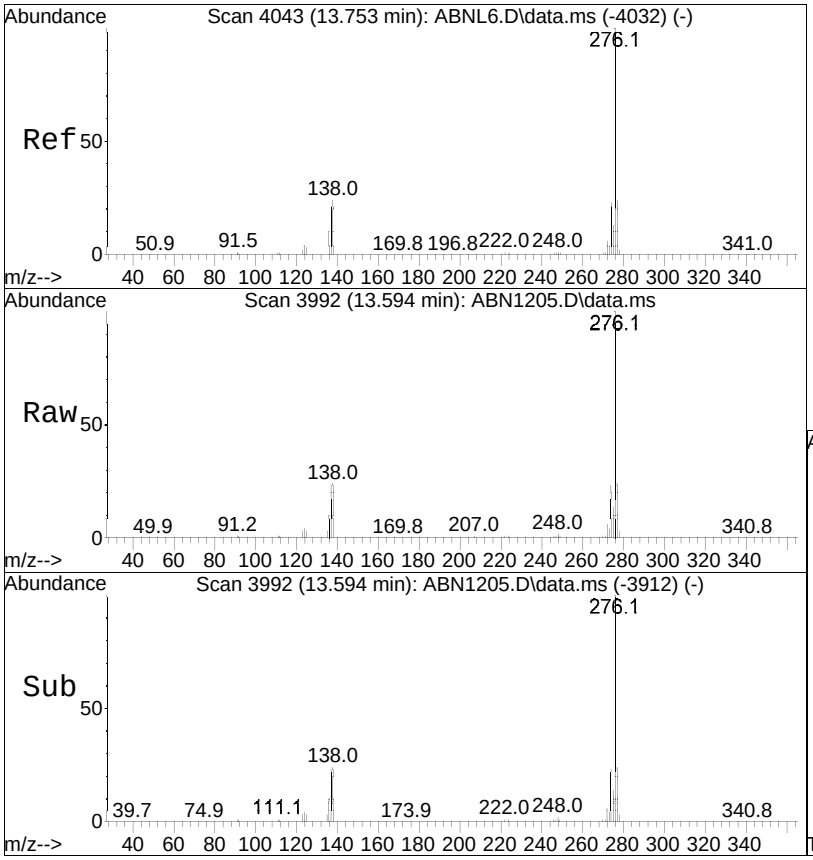


#117
Dibenzo(a,h)anthracene
Concen: 4.79 ug/ml
RT: 13.411 min Scan# 3933
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:278 Resp: 285457

Ion	Ratio	Lower	Upper
278	100		
139	16.5	20.8	31.2#
279	23.4	18.3	27.5

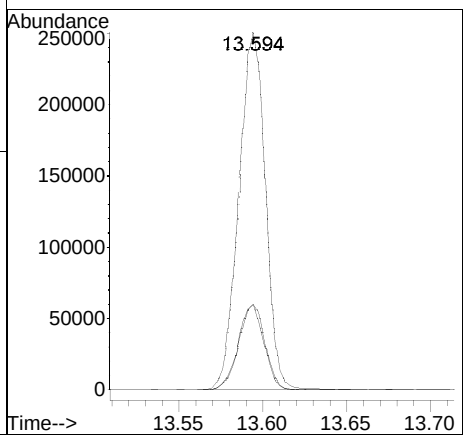




#118
Benzo(ghi)perylene
Concen: 4.68 ug/ml
RT: 13.594 min Scan# 3992
Delta R.T. 0.000 min
Lab File: ABN1205.D
Acq: 5 Dec 2024 6:41 am

Tgt Ion:276 Resp: 274175

Ion	Ratio	Lower	Upper
276	100		
138	23.1	29.2	43.8#
277	23.5	18.8	28.2



Manual Integration Report

Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ABN1205.D	Operator	: Dakota:slr
Date Inj'd	: 12/5/2024 6:41 am	Instrument	: Dakota
Sample	: WG2005564-3,32,,ABN 11043	Quant Date	: 12/5/2024 7:32 am

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241205RVT\
Data File : AP91205.D
Acq On : 5 Dec 2024 7:03 am
Operator : Dakota:slr
Sample : WG2005564-4,32,,AP9 11152 gmr1109B
Misc : WG2005564,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 05 07:31:53 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:33:11 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	88	0.00
28	T	Benzaldehyde	0.703	0.753	-7.1	87	0.00
29	T	Acetophenone	1.403	1.511	-7.7	91	0.00
30	T	m-Toluidine	1.287	1.396	-8.5	93	0.00
31	T	2-Chloroaniline	1.368	1.468	-7.3	91	0.00
57	I	IS2_Naphthalene-d8	1.000	1.000	0.0	97	0.00
58	T	a-Terpineol	0.221	0.238	-7.7	99	0.00
59	T	3-Chloroaniline	0.115	0.123	-7.0	95	0.00
60	T	2,6-Dichlorophenol	0.296	0.307	-3.7	93	0.00
61	T	1-chloro-2-nitrobenzene	0.113	0.129	-14.2	99	0.00
62	T	Caprolactam	0.123	0.128	-4.1	98	0.00
63	T	1,2,4,5-Tetrachlorobenzene	0.413	0.406	1.7	90	0.00
64	T	Biphenyl	0.842	0.860	-2.1	93	0.00
85	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	96	0.00
86	T	Dichloran	0.169	0.179	-5.9	104	0.00
87	T	Pentachloronitrobenzene	0.187	0.202	-8.0	107	0.00
100	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	96	0.00
101	T	Diphenamid	0.416	0.455	-9.4	101	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\241205RVT\
Data File : AP91205.D
Acq On : 5 Dec 2024 7:03 am
Operator : Dakota:slr
Sample : WG2005564-4,32,,AP9 11152 gmr1109B
Misc : WG2005564,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 05 07:31:53 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:33:11 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...	4.152	152	24990	4.000	ug/ml		0.00
57)	IS2_Naphthalene-d8	5.392	136	95647	4.000	ug/ml	#	0.00
85)	IS2_Acenaphthene-d10	7.080	164	61876	4.000	ug/ml		0.00
100)	IS2_Phenanthrene-d10	8.491	188	137002	4.000	ug/ml		0.00
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.714	105	23516	5.351	ug/ml		96
29)	Acetophenone	4.568	105	47204	5.384	ug/ml	#	79
30)	m-Toluidine	4.655	106	43600	5.423	ug/ml		93
31)	2-Chloroaniline	5.010	127	45868	5.367	ug/ml	#	91
58)	a-Terpineol	5.464	59	28510	5.385	ug/ml	#	82
59)	3-Chloroaniline	5.479	65	14657	5.349	ug/ml		97
60)	2,6-Dichlorophenol	5.501	162	36682	5.190	ug/ml	#	82
61)	1-chloro-2-nitrobenzene	5.753	111	15408	5.680	ug/ml	#	1
62)	Caprolactam	5.790	55	15342	5.221	ug/ml	#	76
63)	1,2,4,5-Tetrachloroben...	6.259	216	48598	4.921	ug/ml	#	96
64)	Biphenyl	6.551	154	102818	5.109	ug/ml		96
86)	Dichloran	8.205	206	13839	5.295	ug/ml	#	56
87)	Pentachloronitrobenzene	8.351	237	15603	5.407	ug/ml	#	74
101)	Diphenamid	9.408	167	77900	5.468	ug/ml	#	76

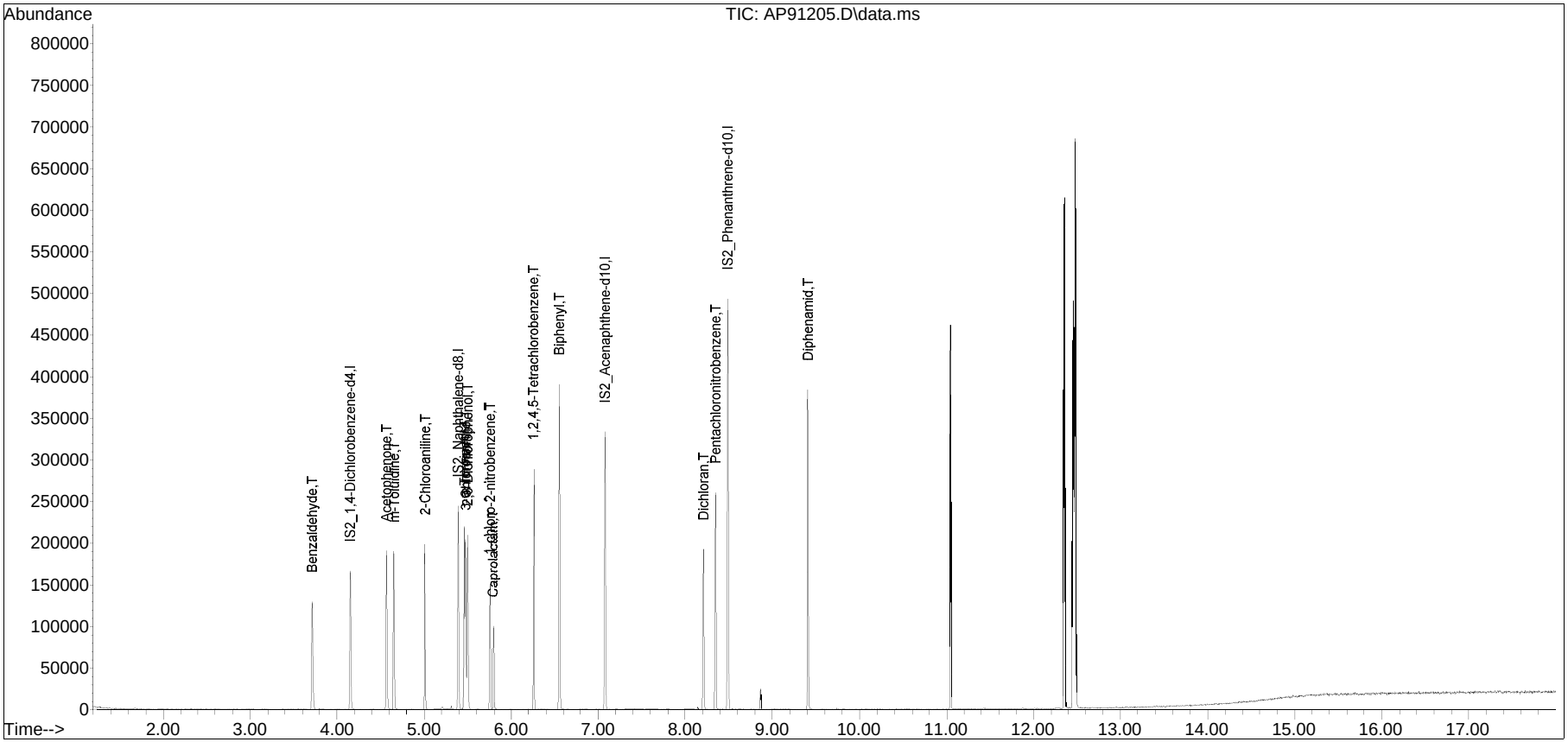
(#) = qualifier out of range (m) = manual integration (+) = signals summed

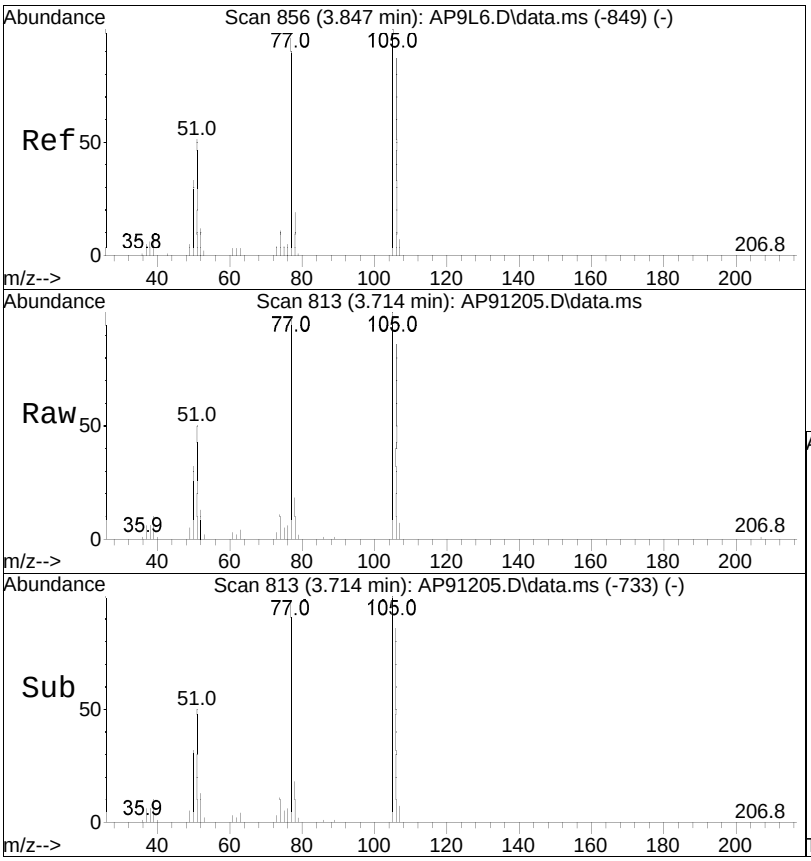
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : AP91205.D
Acq On : 5 Dec 2024 7:03 am
Operator : Dakota:slr
Sample : WG2005564-4,32,,AP9 11152 gmr1109B
Misc : WG2005564,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 05 07:31:53 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:33:11 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

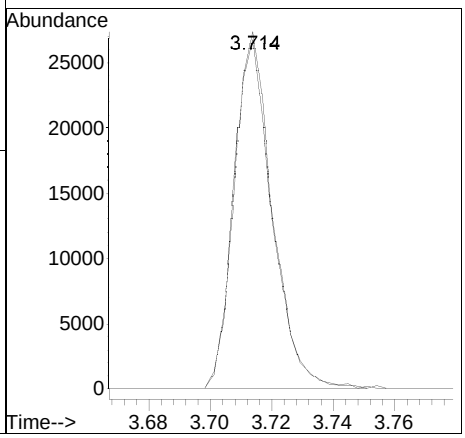


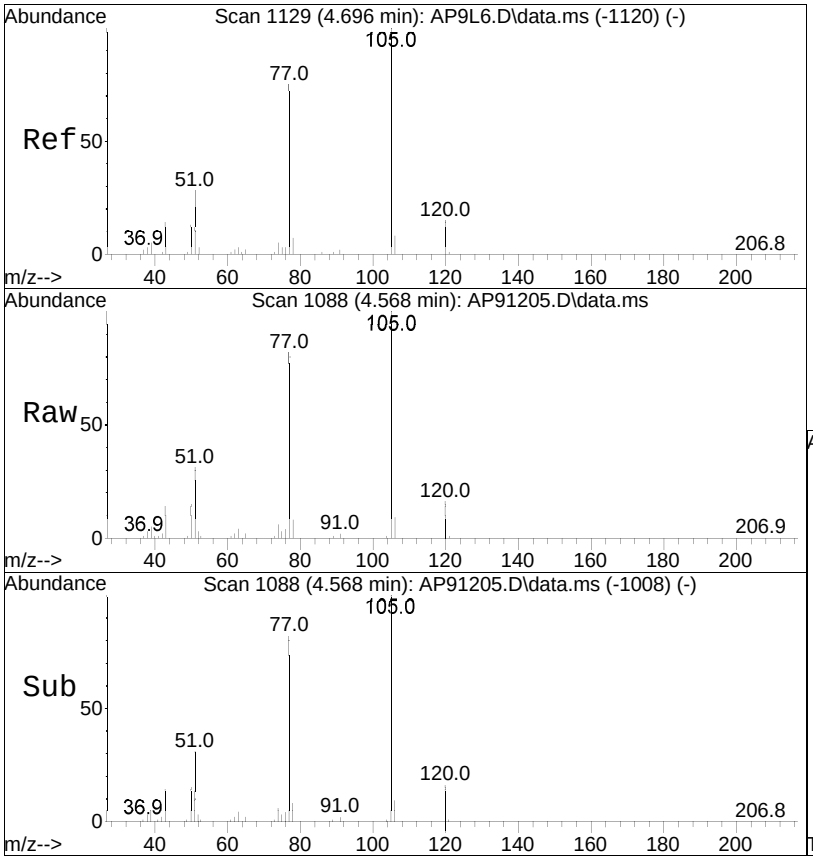


#28
Benzaldehyde
Concen: 5.35 ug/ml
RT: 3.714 min Scan# 813
Delta R.T. 0.000 min
Lab File: AP91205.D
Acq: 5 Dec 2024 7:03 am

Tgt Ion:105 Resp: 23516

Ion	Ratio	Lower	Upper
105	100		
77	98.4	82.2	123.4

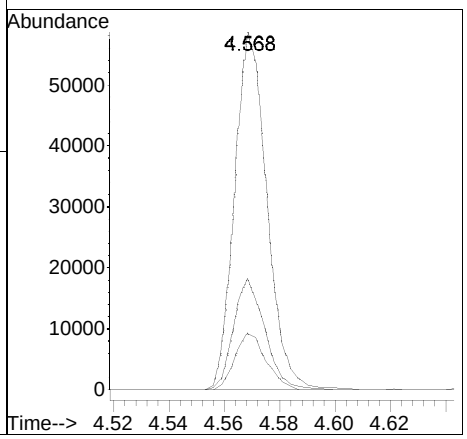


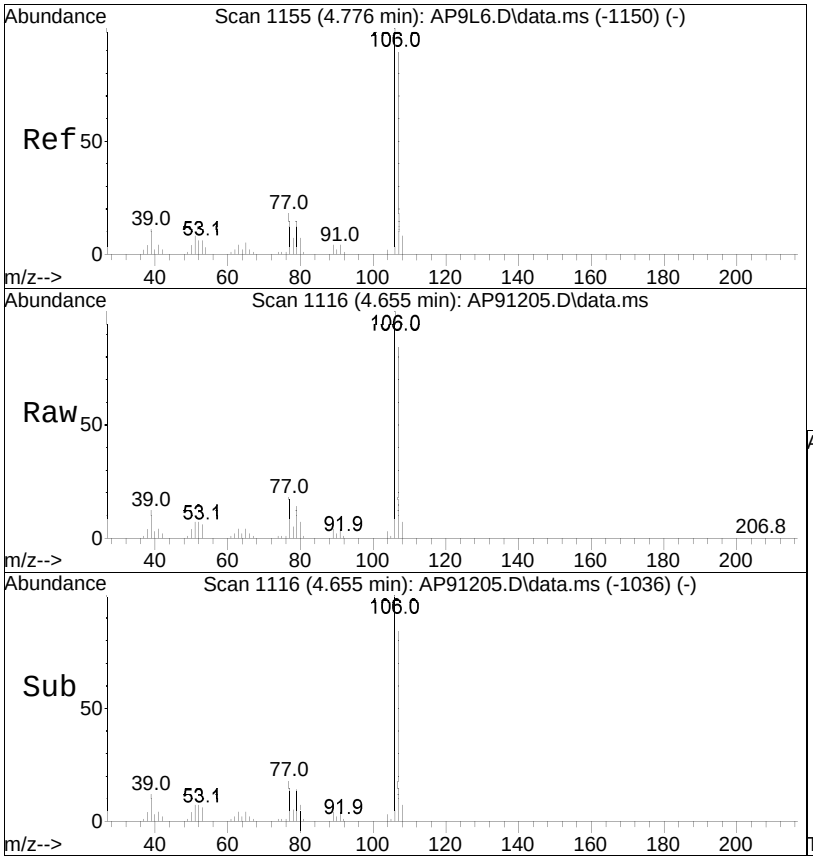


#29
Acetophenone
Concen: 5.38 ug/ml
RT: 4.568 min Scan# 1088
Delta R.T. 0.000 min
Lab File: AP91205.D
Acq: 5 Dec 2024 7:03 am

Tgt Ion:105 Resp: 47204

Ion	Ratio	Lower	Upper
105	100		
120	15.3	20.5	30.7#
51	30.2	34.9	52.3#

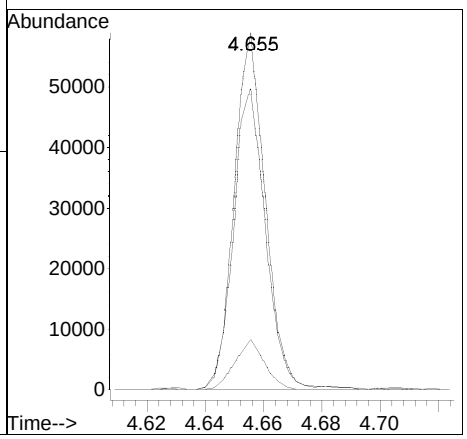


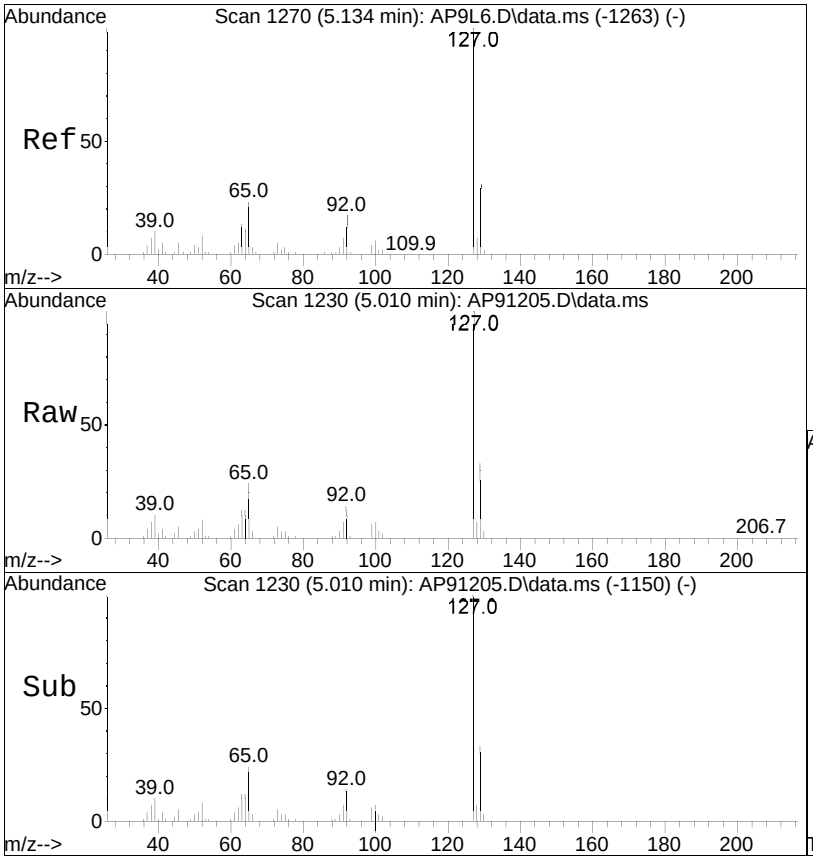


#30
m-Toluidine
Concen: 5.42 ug/ml
RT: 4.655 min Scan# 1116
Delta R.T. 0.000 min
Lab File: AP91205.D
Acq: 5 Dec 2024 7:03 am

Tgt Ion:106 Resp: 43600

Ion	Ratio	Lower	Upper
106	100		
107	87.2	75.7	113.5
79	13.4	11.8	17.8

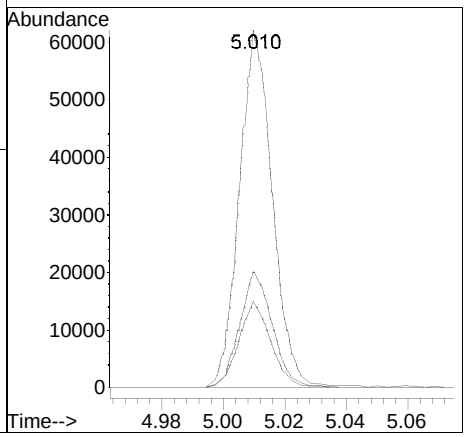


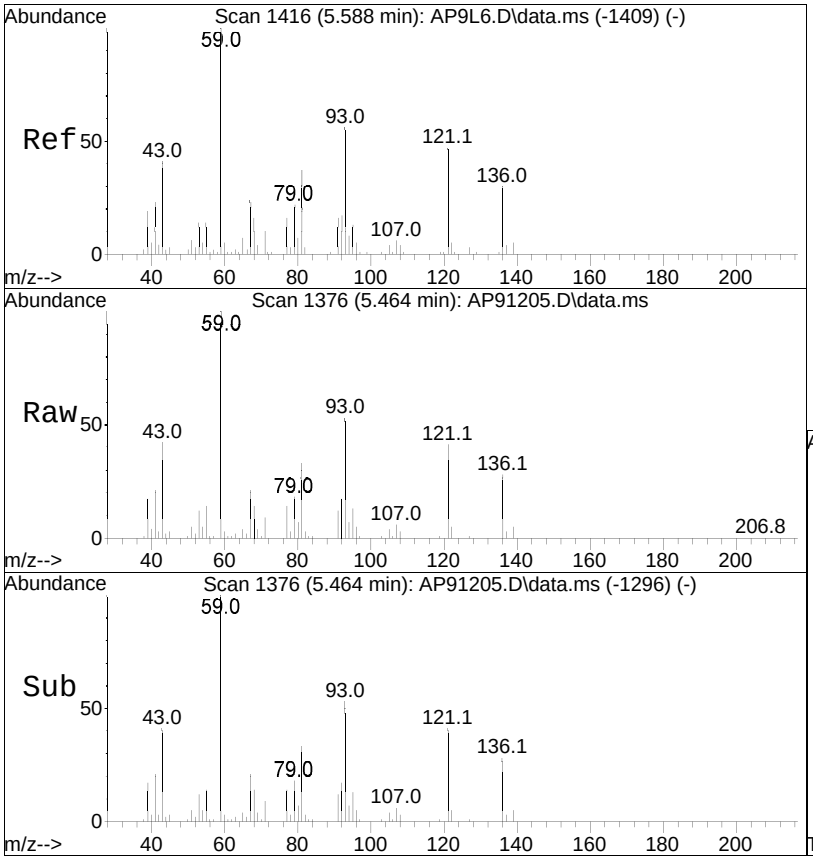


#31
2-Chloroaniline
Concen: 5.37 ug/ml
RT: 5.010 min Scan# 1230
Delta R.T. 0.000 min
Lab File: AP91205.D
Acq: 5 Dec 2024 7:03 am

Tgt Ion:127 Resp: 45868

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	23.4	26.3	39.5#

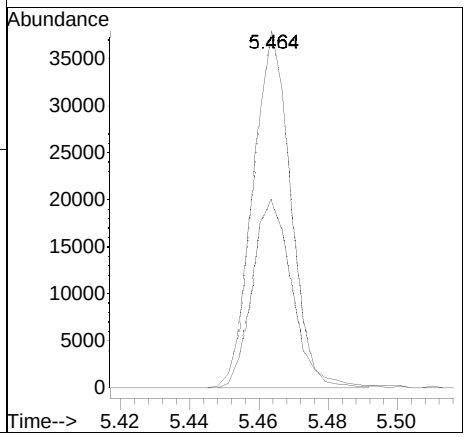


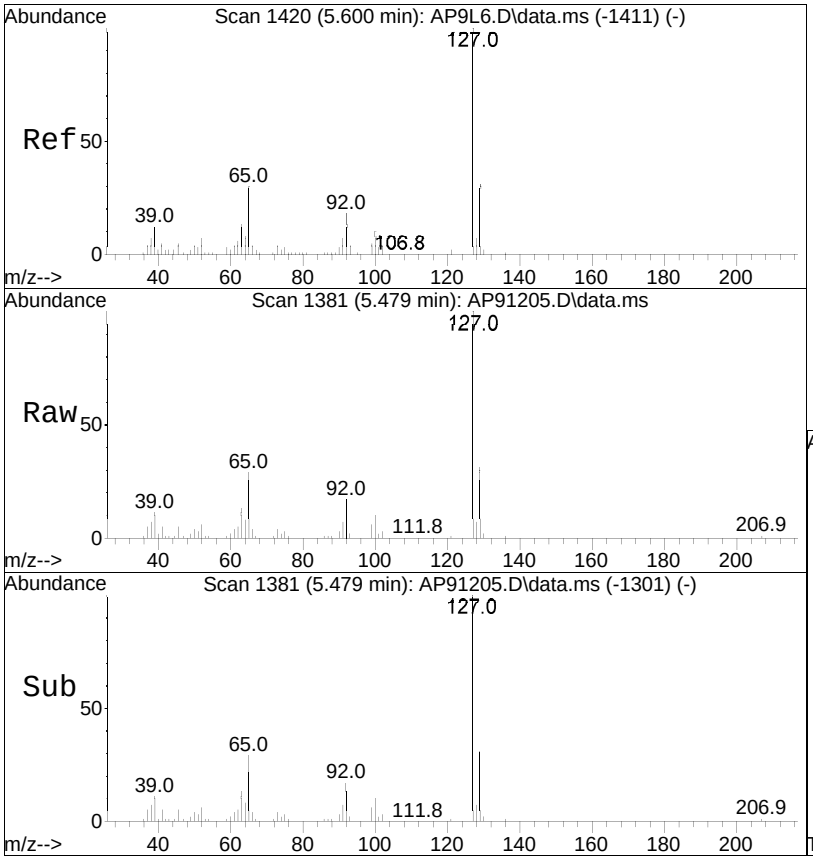


#58
a-Terpineol
Concen: 5.38 ug/ml
RT: 5.464 min Scan# 1376
Delta R.T. 0.000 min
Lab File: AP91205.D
Acq: 5 Dec 2024 7:03 am

Tgt Ion: 59 Resp: 28510

Ion	Ratio	Lower	Upper
59	100		
93	56.3	35.6	53.4#

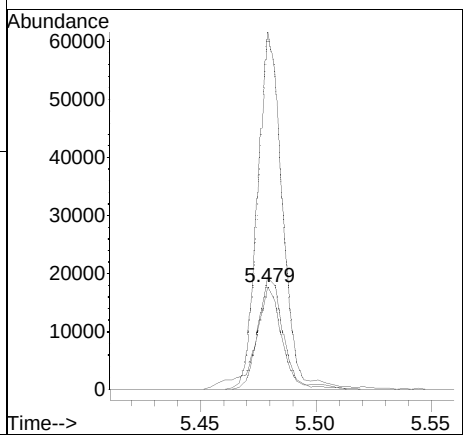


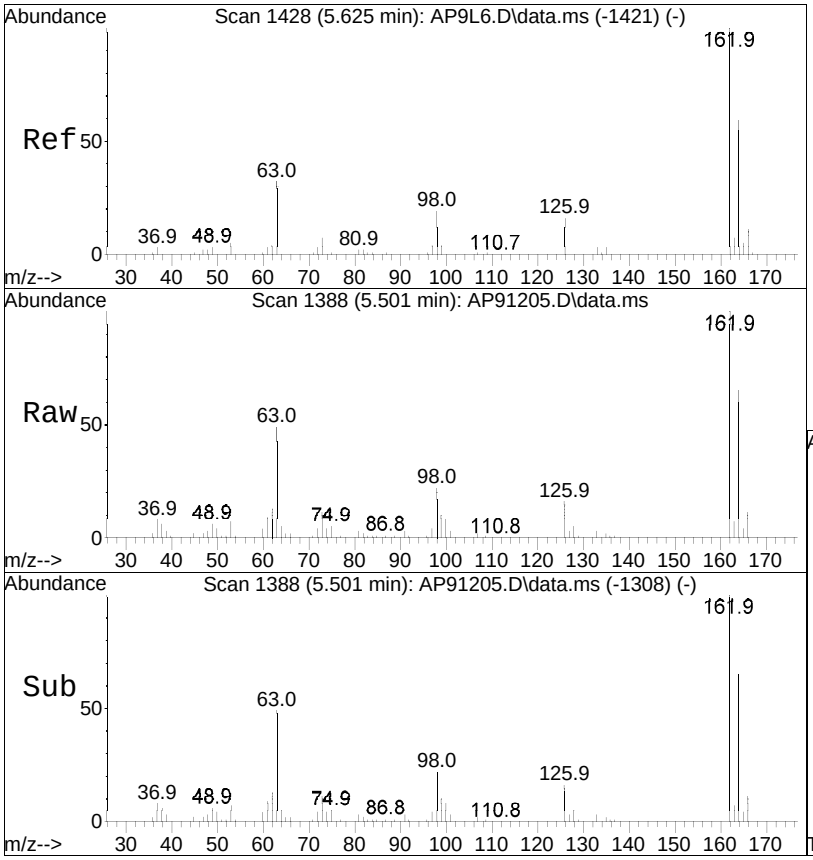


#59
3-Chloroaniline
Concen: 5.35 ug/ml
RT: 5.479 min Scan# 1381
Delta R.T. 0.000 min
Lab File: AP91205.D
Acq: 5 Dec 2024 7:03 am

Tgt Ion: 65 Resp: 14657

Ion	Ratio	Lower	Upper
65	100		
127	311.5	243.2	364.8
129	99.3	78.8	118.2

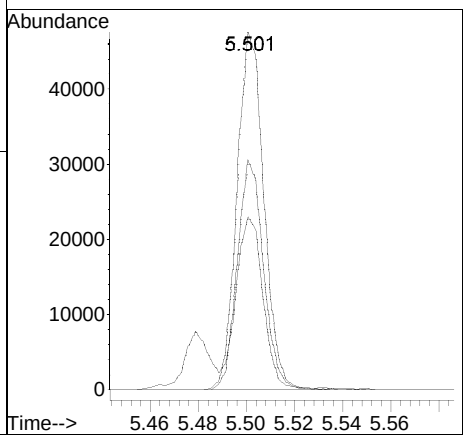


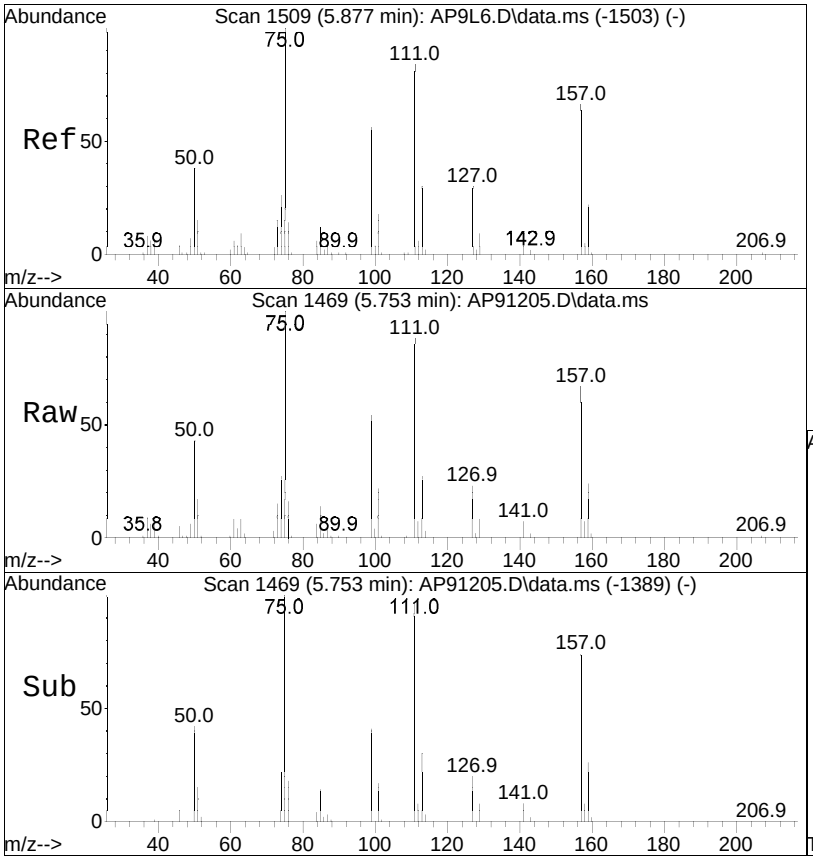


#60
2,6-Dichlorophenol
Concen: 5.19 ug/ml
RT: 5.501 min Scan# 1388
Delta R.T. 0.000 min
Lab File: AP91205.D
Acq: 5 Dec 2024 7:03 am

Tgt Ion:162 Resp: 36682

Ion	Ratio	Lower	Upper
162	100		
164	62.6	51.1	76.7
63	48.7	60.8	91.2#

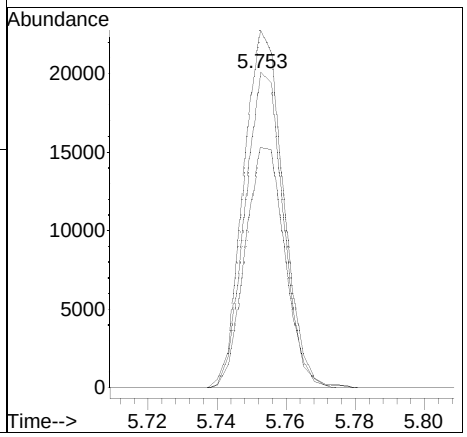


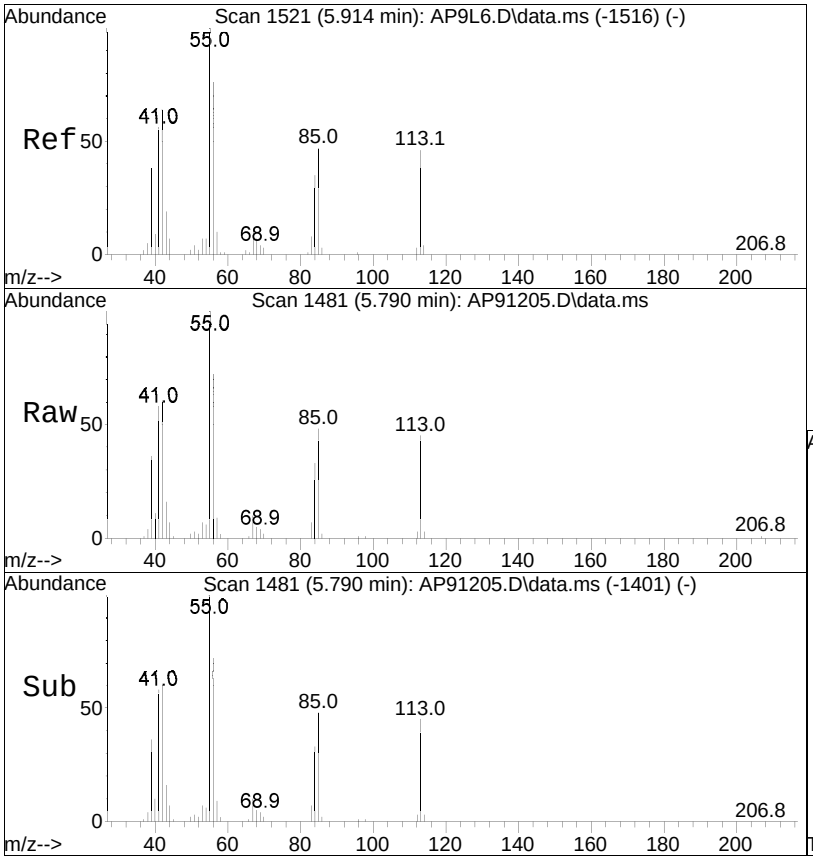


#61
1-chloro-2-nitrobenzene
Concen: 5.68 ug/ml
RT: 5.753 min Scan# 1469
Delta R.T. 0.000 min
Lab File: AP91205.D
Acq: 5 Dec 2024 7:03 am

Tgt Ion:111 Resp: 15408

Ion	Ratio	Lower	Upper
111	100		
157	79.2	0.0	0.0#
75	117.4	28.2	42.2#

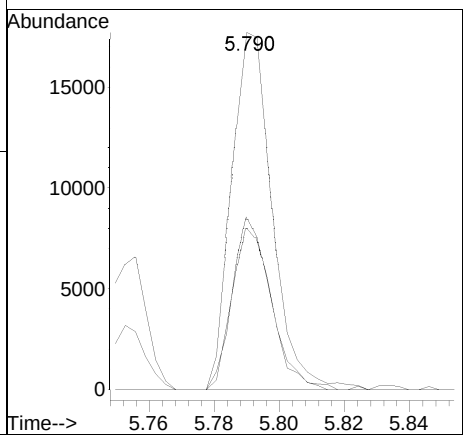


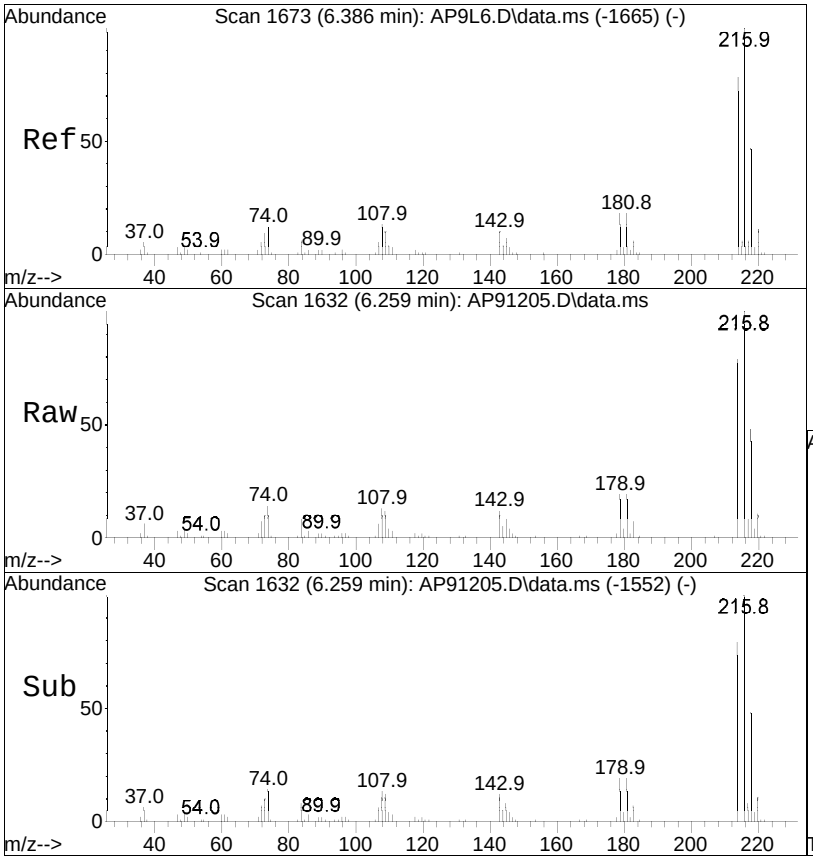


#62
Caprolactam
Concen: 5.22 ug/ml
RT: 5.790 min Scan# 1481
Delta R.T. 0.000 min
Lab File: AP91205.D
Acq: 5 Dec 2024 7:03 am

Tgt Ion: 55 Resp: 15342

Ion	Ratio	Lower	Upper
55	100		
85	45.2	19.8	29.6#
113	44.9	29.6	44.4#

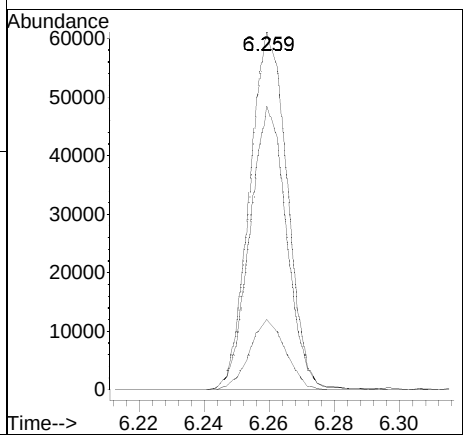


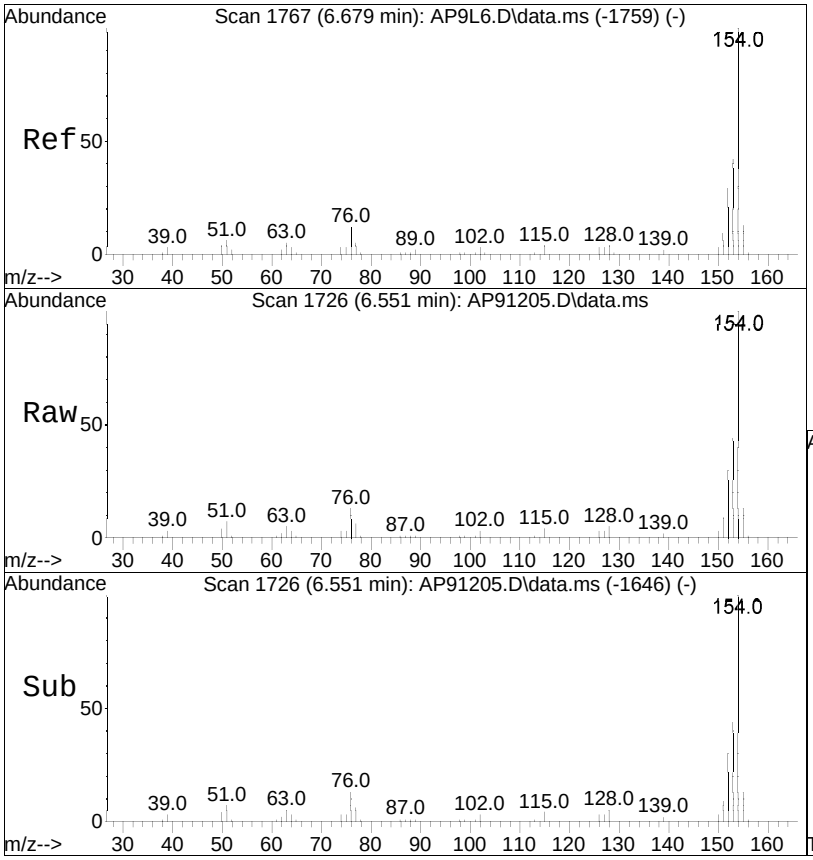


#63
1,2,4,5-Tetrachlorobenzene
Concen: 4.92 ug/ml
RT: 6.259 min Scan# 1632
Delta R.T. 0.000 min
Lab File: AP91205.D
Acq: 5 Dec 2024 7:03 am

Tgt Ion:216 Resp: 48598

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.7	95.5
179	18.8	19.0	28.6#

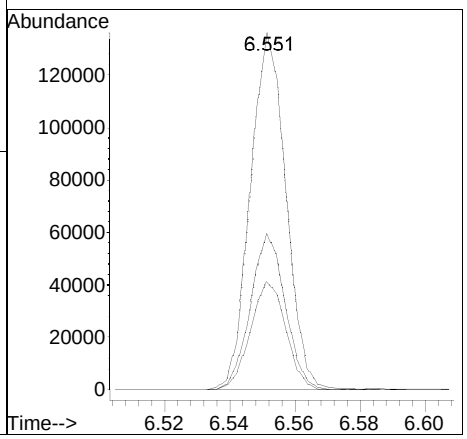


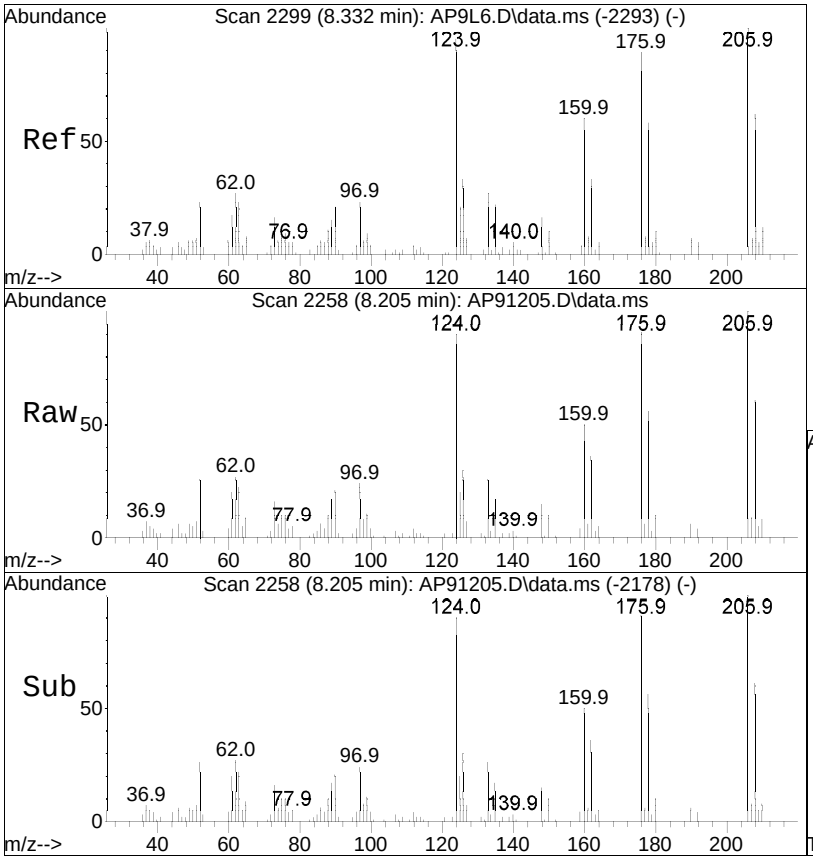


#64
Biphenyl
Concen: 5.11 ug/ml
RT: 6.551 min Scan# 1726
Delta R.T. 0.000 min
Lab File: AP91205.D
Acq: 5 Dec 2024 7:03 am

Tgt Ion:154 Resp: 102818

Ion	Ratio	Lower	Upper
154	100		
153	42.9	32.3	48.5
152	30.3	22.5	33.7

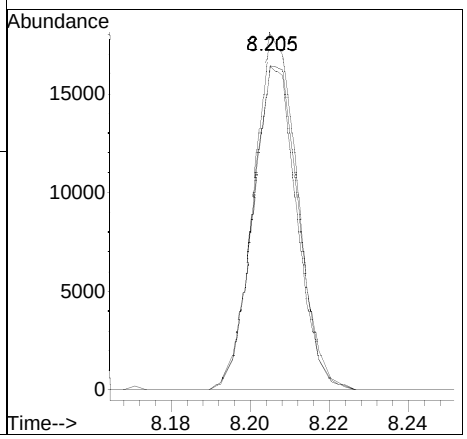


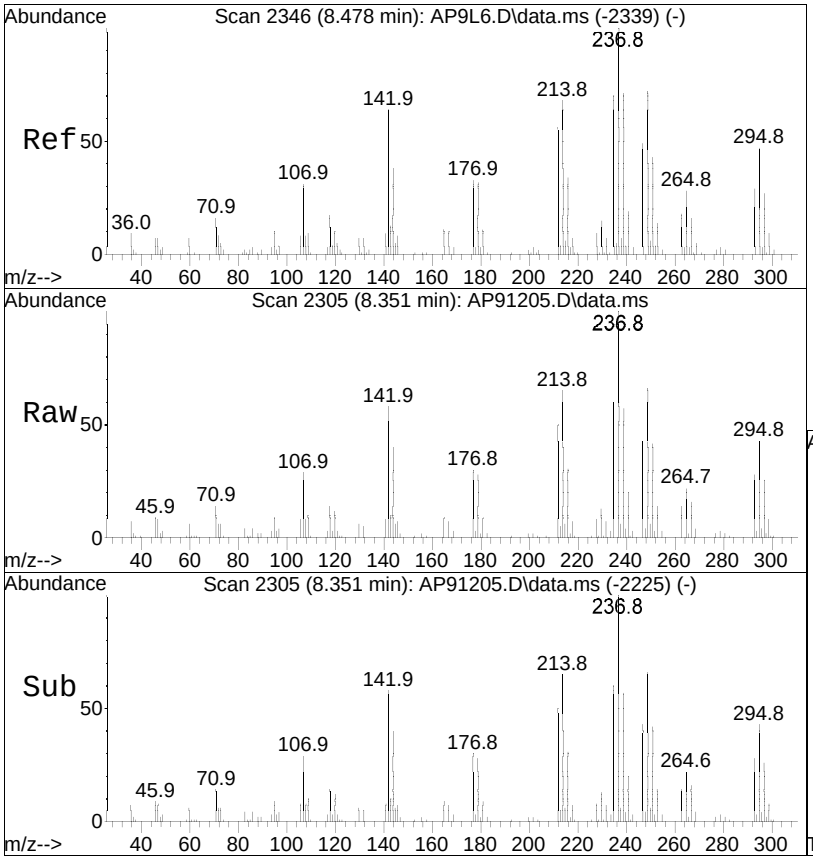


#86
Dichloran
Concen: 5.29 ug/ml
RT: 8.205 min Scan# 2258
Delta R.T. 0.000 min
Lab File: AP91205.D
Acq: 5 Dec 2024 7:03 am

Tgt Ion:206 Resp: 13839

Ion	Ratio	Lower	Upper
206	100		
176	93.0	104.6	157.0#
124	91.2	130.5	195.7#

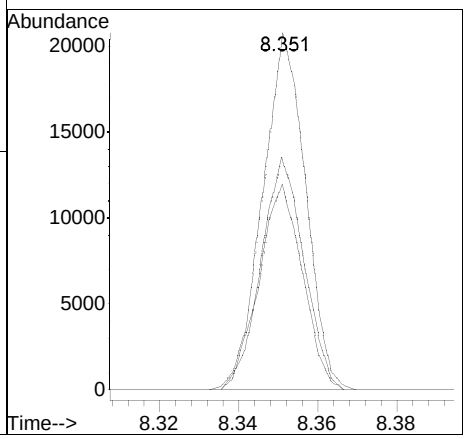


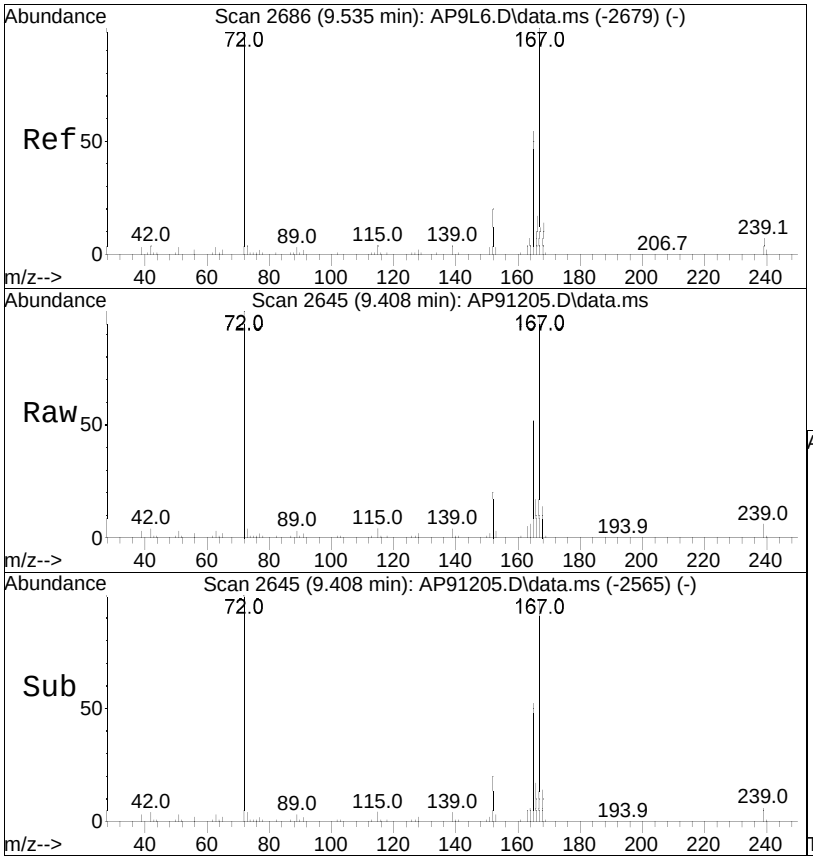


#87
Pentachloronitrobenzene
Concen: 5.41 ug/ml
RT: 8.351 min Scan# 2305
Delta R.T. 0.000 min
Lab File: AP91205.D
Acq: 5 Dec 2024 7:03 am

Tgt Ion:237 Resp: 15603

Ion	Ratio	Lower	Upper
237	100		
142	58.3	77.0	115.4#
214	65.2	58.2	87.4

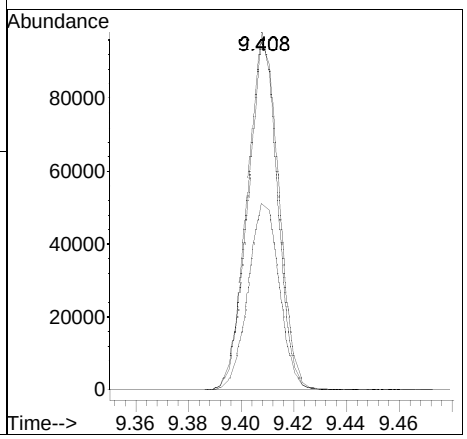




#101
Diphenamid
Concen: 5.47 ug/ml
RT: 9.408 min Scan# 2645
Delta R.T. 0.000 min
Lab File: AP91205.D
Acq: 5 Dec 2024 7:03 am

Tgt Ion:167 Resp: 77900

Ion	Ratio	Lower	Upper
167	100		
72	98.8	109.7	164.5#
165	53.9	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: AP91205.D	Operator	: Dakota:slr
Date Inj'd	: 12/5/2024 7:03 am	Instrument	: Dakota
Sample	: WG2005564-4,32,,AP9 11152	Quant Date	: 12/5/2024 7:33 am

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241205RVT\
Data File : ADP1205.D
Acq On : 5 Dec 2024 7:26 am
Operator : Dakota:slr
Sample : WG2005564-5,32,,ADP 11153 gmr1109B
Misc : WG2005564,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 05 07:45:01 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:21 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	81	0.00
33	T	1,4-Dioxane		0.381	0.427	-12.1	85	0.00
35	T	n-Decane		1.048	1.188	-13.4	87	0.00
88	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	87	0.00
89	T	Atrazine		0.343	0.358	-4.4	91	0.00
102	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	88	0.00
103	T	n-Octadecane		0.334	0.363	-8.7	96	0.00
104	T	Parathion	*	5.000	5.065	-1.3	101	0.00
105	T	3,3'-Dimethylbenzidine		0.728	0.715	1.8	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\241205RVT\
Data File : ADP1205.D
Acq On : 5 Dec 2024 7:26 am
Operator : Dakota:slr
Sample : WG2005564-5,32,,ADP 11153 gmr1109B
Misc : WG2005564,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 05 07:45:01 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:21 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...	4.152	152	21809	4.000	ug/ml	0.00
88)	IS3_Acenaphthene-d10	7.080	164	52419	4.000	ug/ml	0.00
102)	IS3_Phenanthrene-d10	8.491	188	118292	4.000	ug/ml	0.00
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.277	88	11627	5.598	ug/ml#	87
35)	n-Decane	4.059	57	32396	5.668	ug/ml#	32
89)	Atrazine	8.298	200	23446	5.215	ug/ml#	89
103)	n-Octadecane	8.513	57	53662	5.438	ug/ml#	1
104)	Parathion	9.293	109	12497	5.065	ug/ml	88
105)	3,3'-Dimethylbenzidine	10.530	212	105779	4.912	ug/ml	98

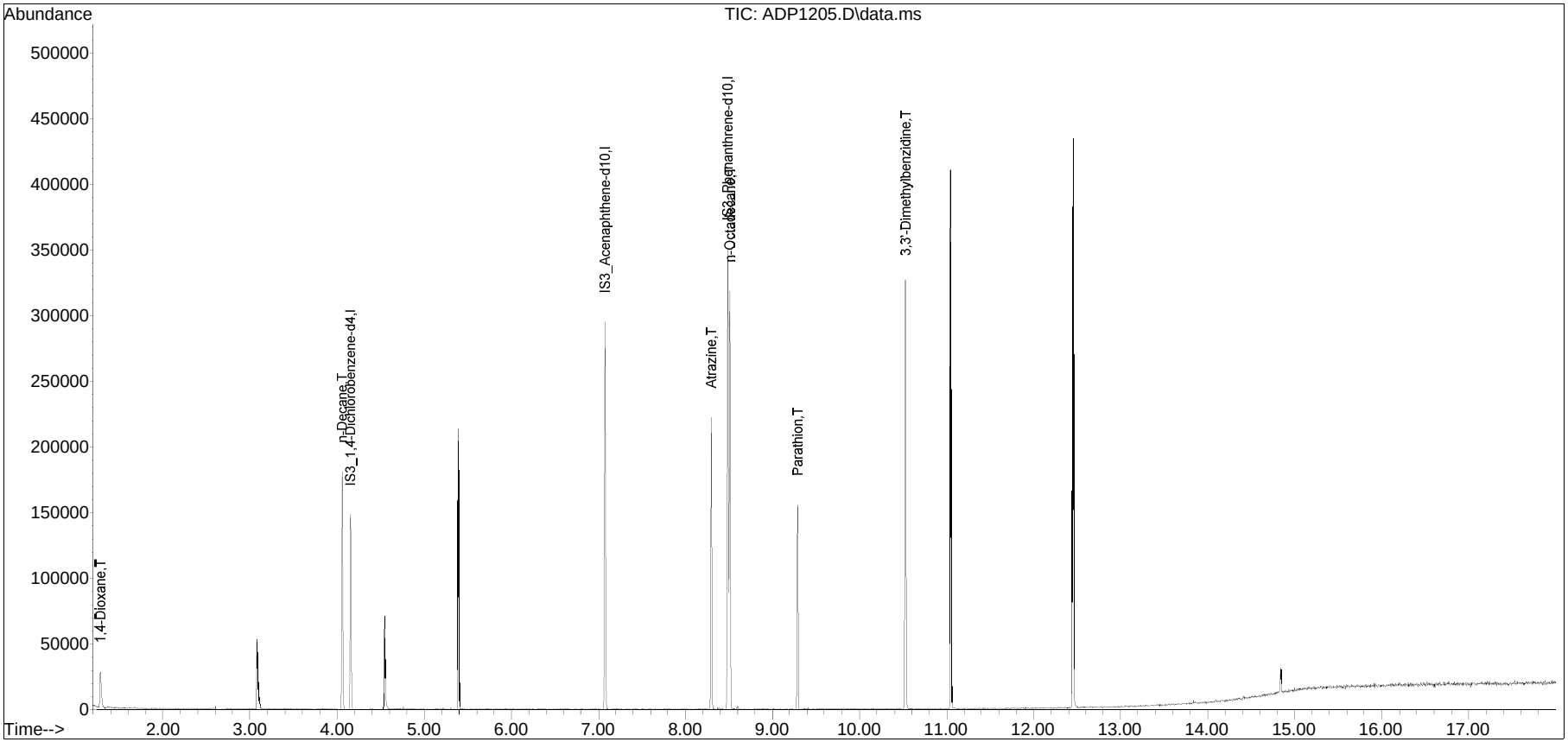
(#) = qualifier out of range (m) = manual integration (+) = signals summed

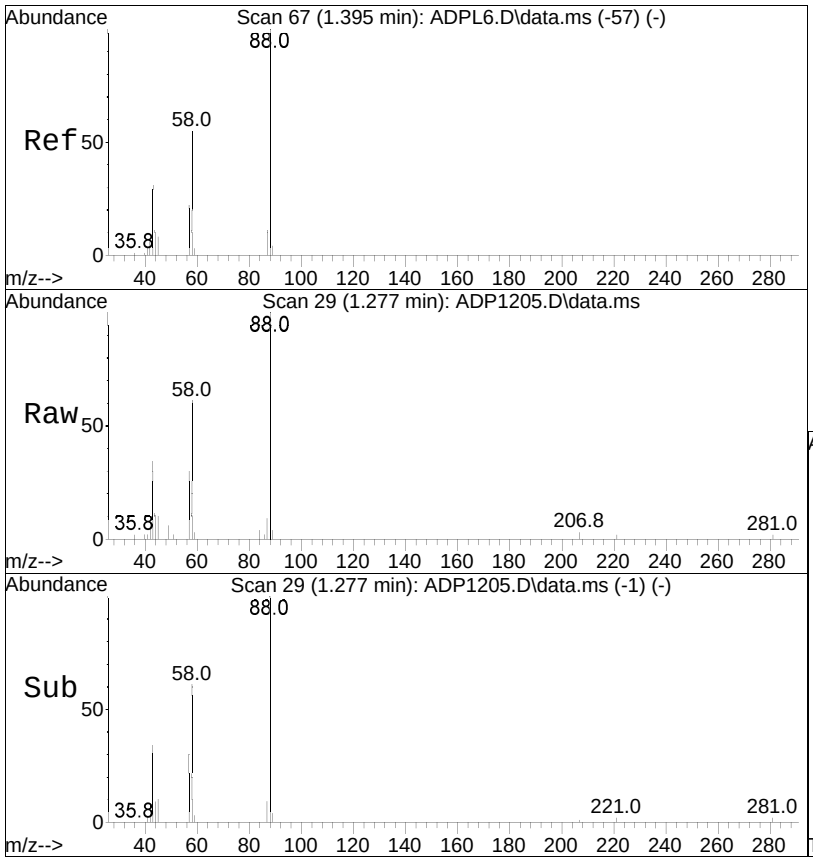
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : ADP1205.D
Acq On : 5 Dec 2024 7:26 am
Operator : Dakota:slr
Sample : WG2005564-5,32,,ADP 11153 gmr1109B
Misc : WG2005564,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 05 07:45:01 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:21 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

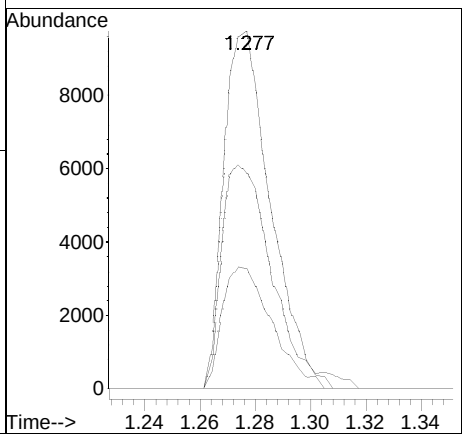


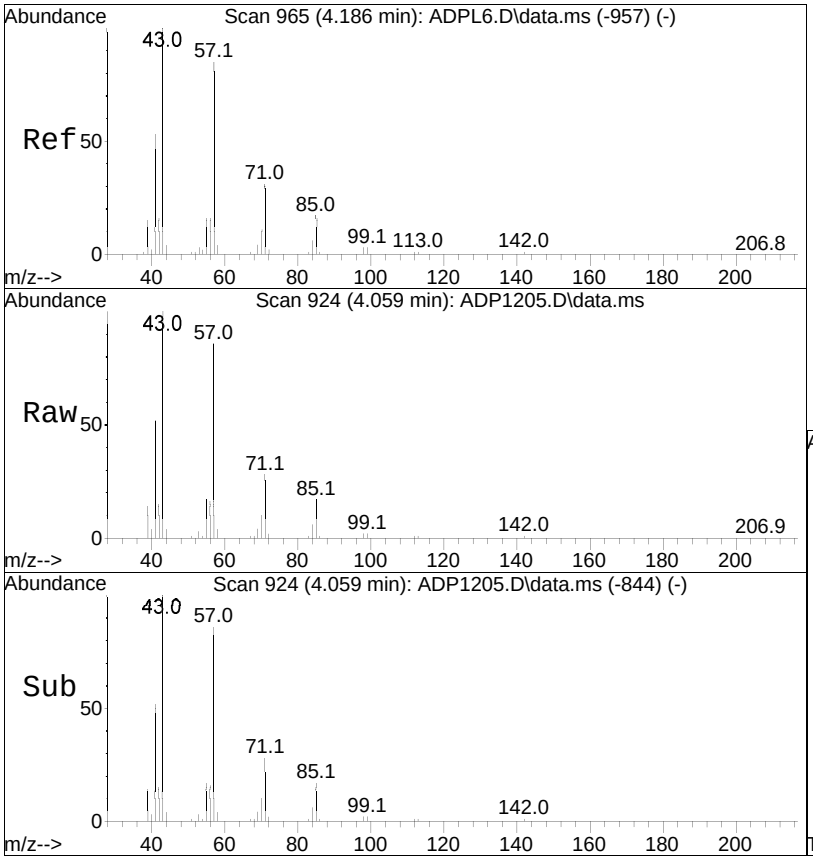


#33
1,4-Dioxane
Concen: 5.60 ug/ml
RT: 1.277 min Scan# 29
Delta R.T. 0.000 min
Lab File: ADP1205.D
Acq: 5 Dec 2024 7:26 am

Tgt Ion: 88 Resp: 11627

Ion	Ratio	Lower	Upper
88	100		
58	65.5	44.8	67.2
43	35.5	22.4	33.6#

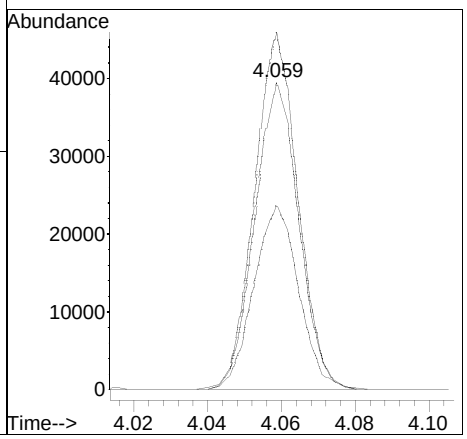


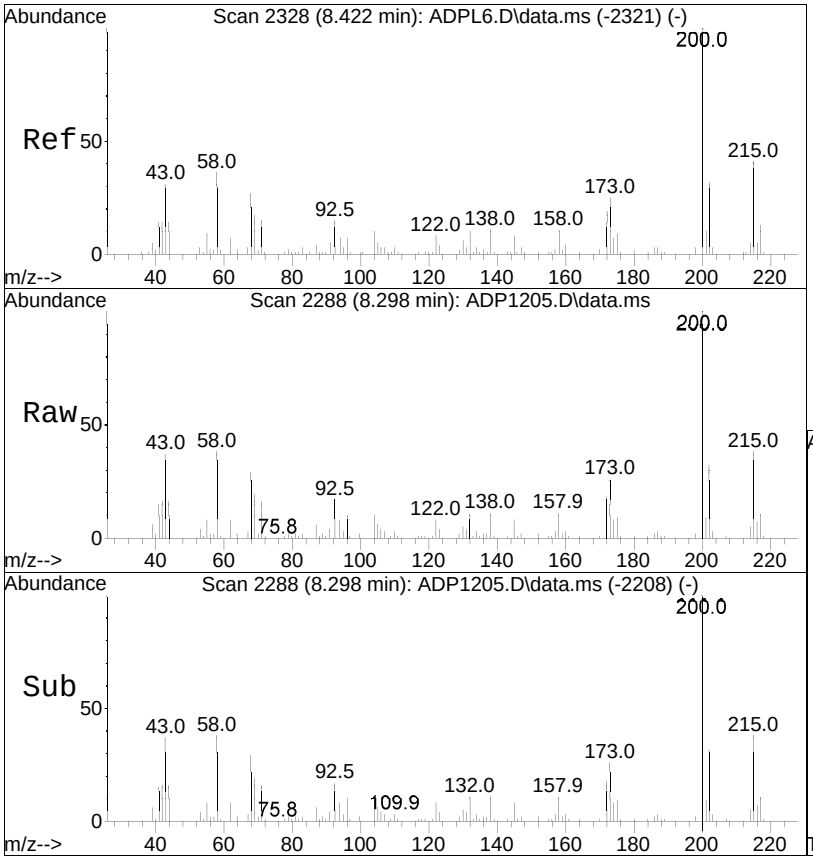


#35
n-Decane
Concen: 5.67 ug/ml
RT: 4.059 min Scan# 924
Delta R.T. 0.000 min
Lab File: ADP1205.D
Acq: 5 Dec 2024 7:26 am

Tgt Ion: 57 Resp: 32396

Ion	Ratio	Lower	Upper
57	100		
43	114.6	0.2	0.2#
41	61.3	0.2	0.2#

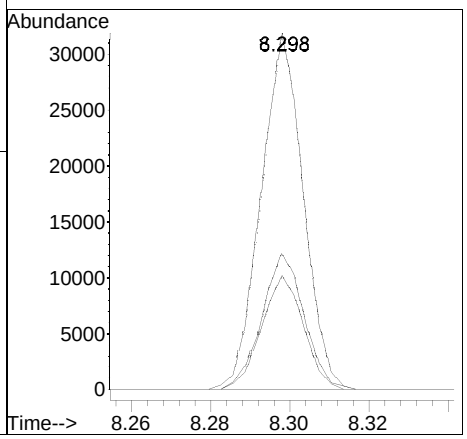


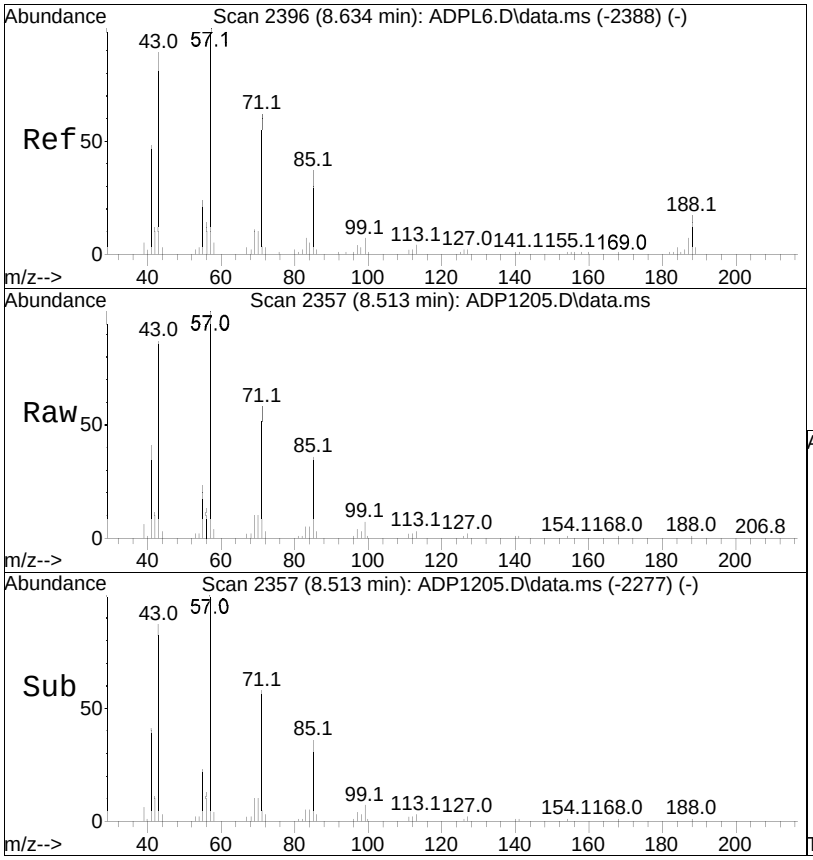


#89
Atrazine
Concen: 5.21 ug/ml
RT: 8.298 min Scan# 2288
Delta R.T. 0.000 min
Lab File: ADP1205.D
Acq: 5 Dec 2024 7:26 am

Tgt Ion:200 Resp: 23446

Ion	Ratio	Lower	Upper
200	100		
202	31.9	25.8	38.6
215	38.3	40.2	60.4#

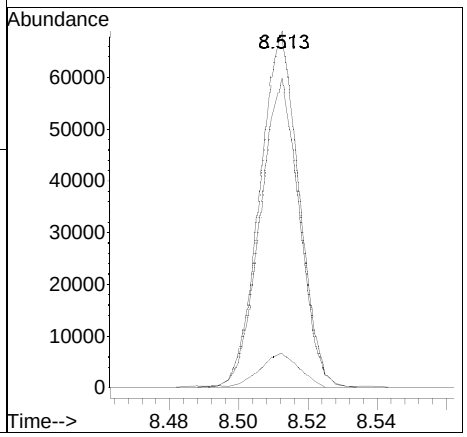


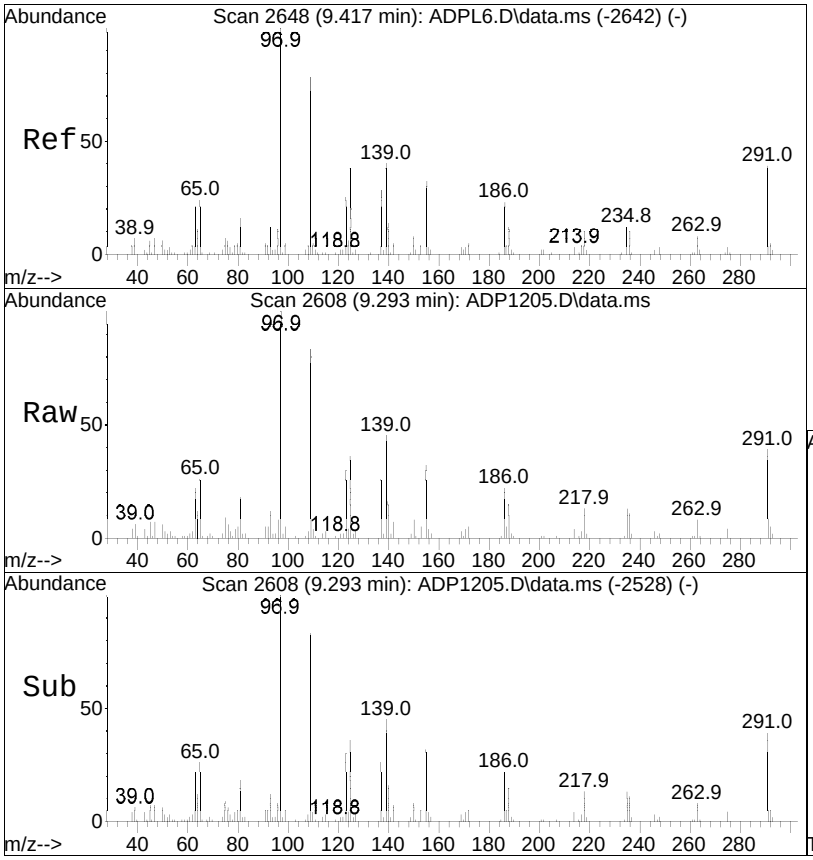


#103
n-Octadecane
Concen: 5.44 ug/ml
RT: 8.513 min Scan# 2357
Delta R.T. 0.000 min
Lab File: ADP1205.D
Acq: 5 Dec 2024 7:26 am

Tgt Ion: 57 Resp: 53662

Ion	Ratio	Lower	Upper
57	100		
43	87.2	9.0	13.6#
70	10.1	0.2	0.2#

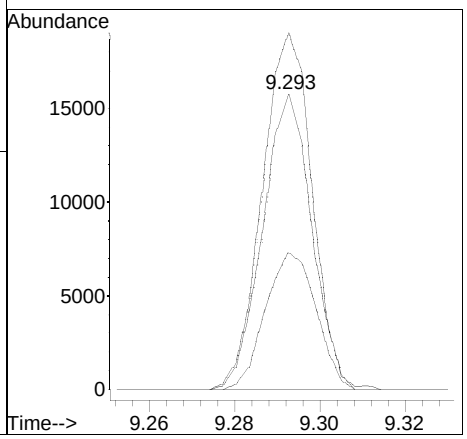


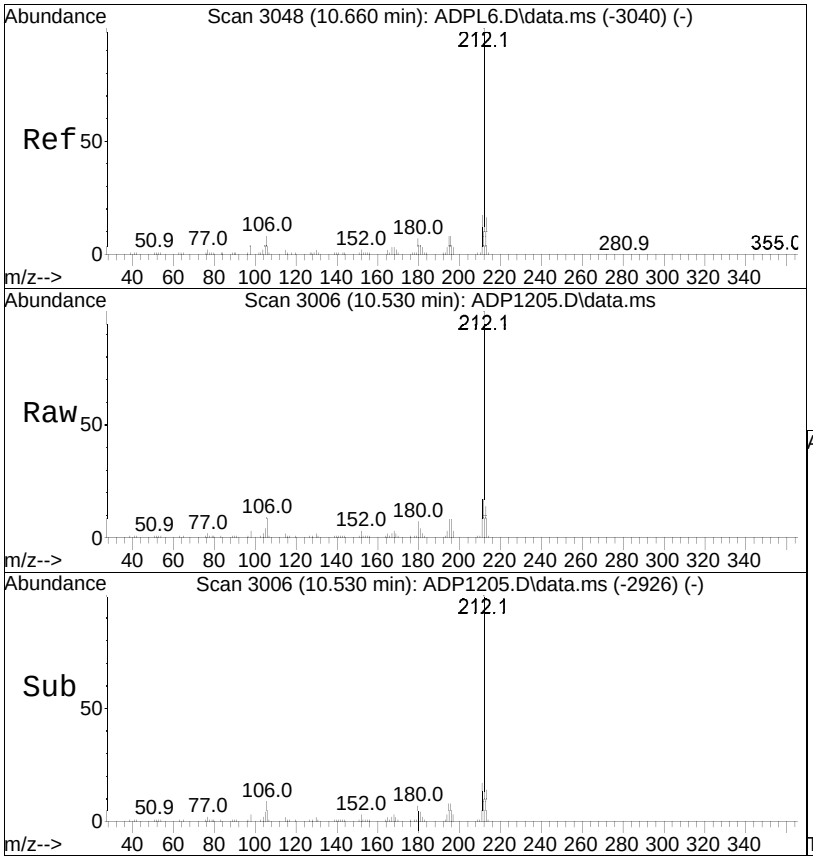


#104
Parathion
Concen: 5.07 ug/ml
RT: 9.293 min Scan# 2608
Delta R.T. 0.000 min
Lab File: ADP1205.D
Acq: 5 Dec 2024 7:26 am

Tgt Ion:109 Resp: 12497

Ion	Ratio	Lower	Upper
109	100		
97	123.3	87.4	131.2
291	48.2	34.2	51.2

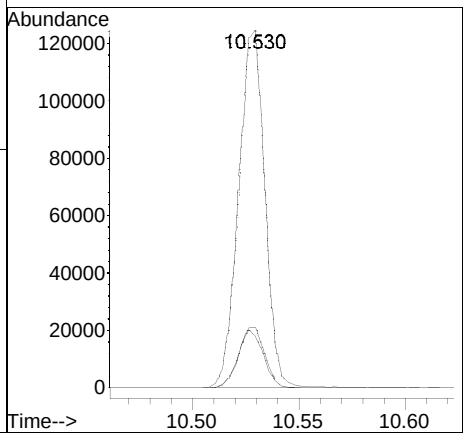




#105
3,3'-Dimethylbenzidine
Concen: 4.91 ug/ml
RT: 10.530 min Scan# 3006
Delta R.T. 0.000 min
Lab File: ADP1205.D
Acq: 5 Dec 2024 7:26 am

Tgt Ion:212 Resp: 105779

Ion	Ratio	Lower	Upper
212	100		
211	17.0	12.9	19.3
213	15.7	13.2	19.8



Manual Integration Report

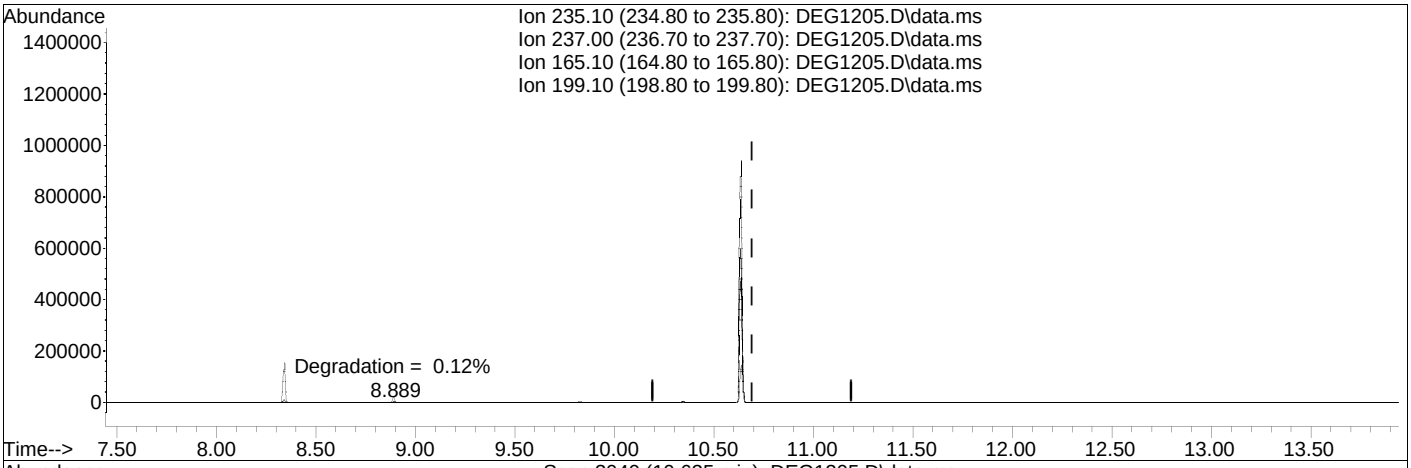
Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ADP1205.D	Operator	: Dakota:slr
Date Inj'd	: 12/5/2024 7:26 am	Instrument	: Dakota
Sample	: WG2005564-5,32,,ADP 11153	Quant Date	: 12/5/2024 7:46 am

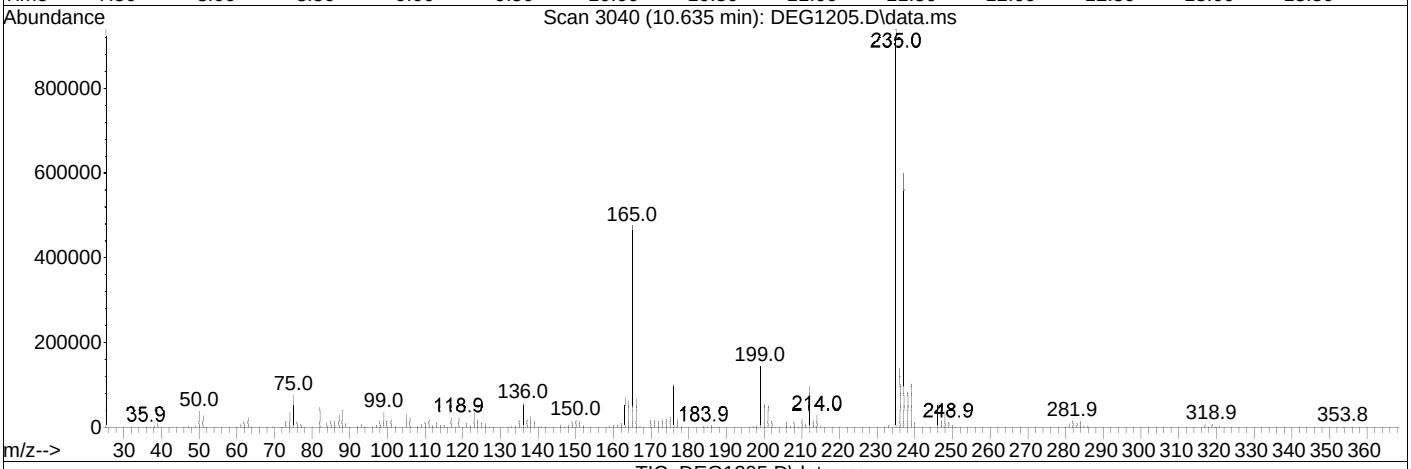
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241205RVT\
Data File : DEG1205.D
Acq On : 5 Dec 2024 6:18 am
Operator : Dakota:slr
Sample : WG2005564-2,32,,Degdftpp Lot # 11163
Misc : WG2005564,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 05 06:52:52 2024
Quant Method : I:\8270\Dakota\241205RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 27 00:45:11 2024
Response via : Initial Calibration





TIC: DEG1205.D\data.ms

(6) DDT (T)

10.635min (-0.057) 132.95

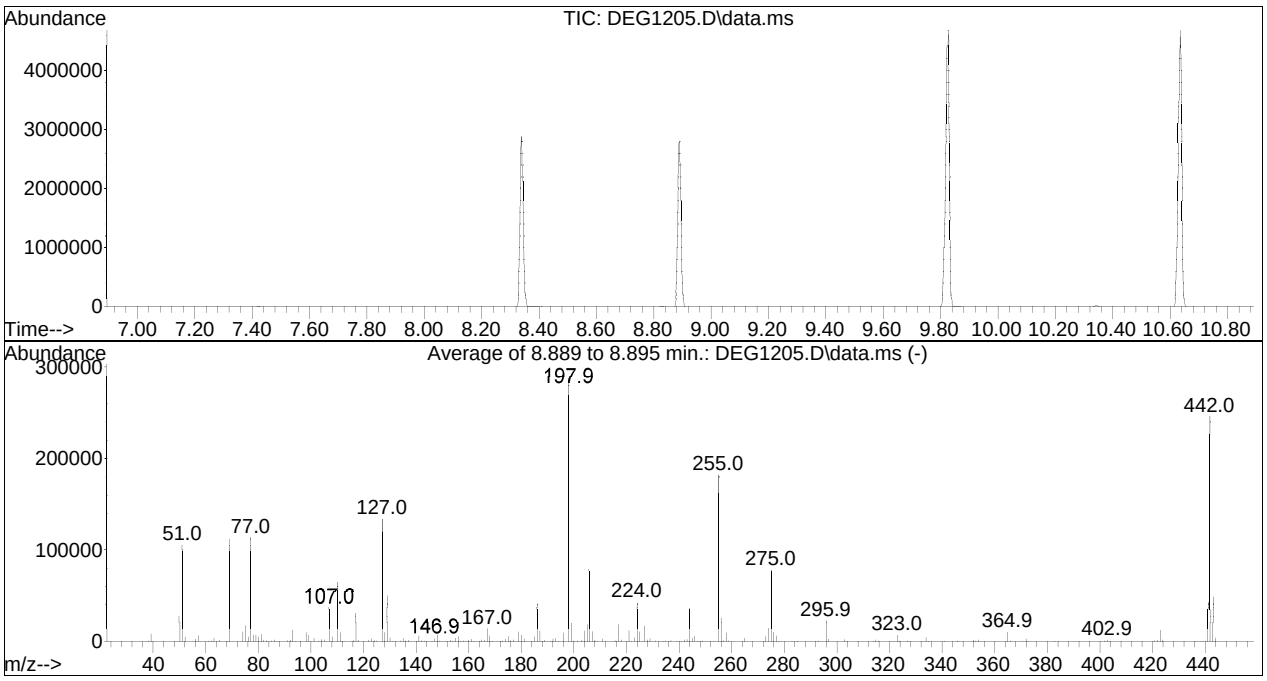
response 810438

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	63.95
165.10	48.70	49.58
199.10	15.80	14.81

Data Path : I:\8270\Dakota\241205RVT\
Data File : DEG1205.D
Acq On : 5 Dec 2024 6:18 am
Operator : Dakota:gmr
Sample : WG2005564-1,32,,Degdftpp Lot # 11163
Misc : WG2005564,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 05 07:46:19 2024



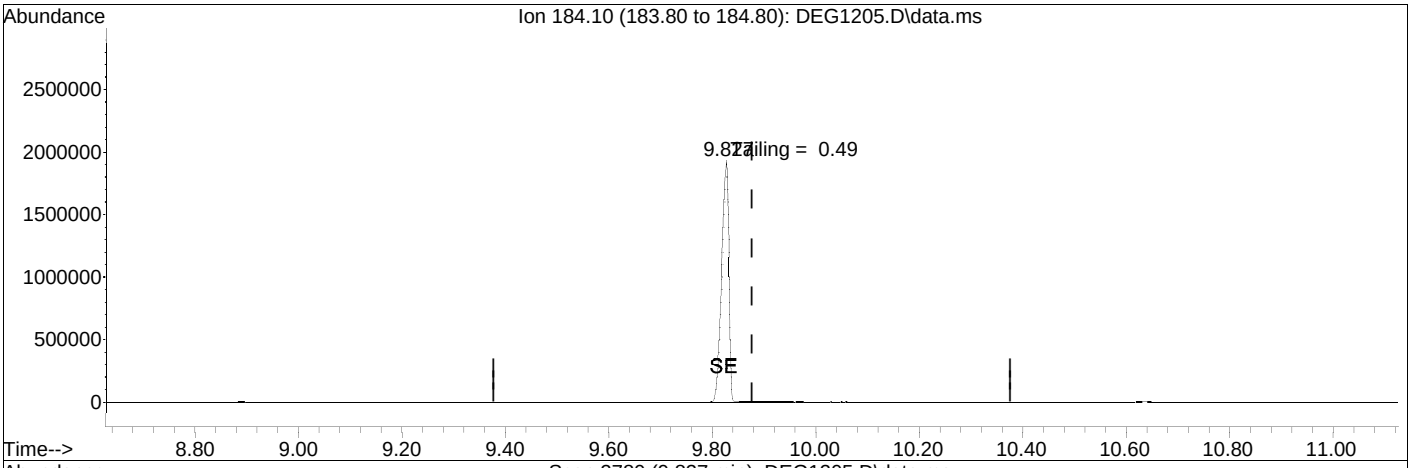
Spectrum Information: Average of 8.889 to 8.895 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.4	104981	PASS
68	69	0.00	2	0.6	702	PASS
69	69	100	100	100.0	111485	PASS
70	69	0.00	2	0.5	591	PASS
127	198	10	80	46.3	133608	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	288640	PASS
199	198	5	9	6.6	19107	PASS
275	198	10	60	27.2	78451	PASS
365	198	1	100	3.4	9943	PASS
441	442	0.01	24	17.9	43928	PASS
442	198	50	100	85.2	245867	PASS
443	442	15	24	19.9	48907	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241205RVT\
Data File : DEG1205.D
Acq On : 5 Dec 2024 6:18 am
Operator : Dakota:slr
Sample : WG2005564-6,32,,Degdftpp Lot # 11163
Misc : WG2005564,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 05 06:52:52 2024
Quant Method : I:\8270\Dakota\241205RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 27 00:45:11 2024
Response via : Initial Calibration



TIC: DEG1205.D\data.ms

(3) Benzidine (T)

9.827min (-0.050) 168.77

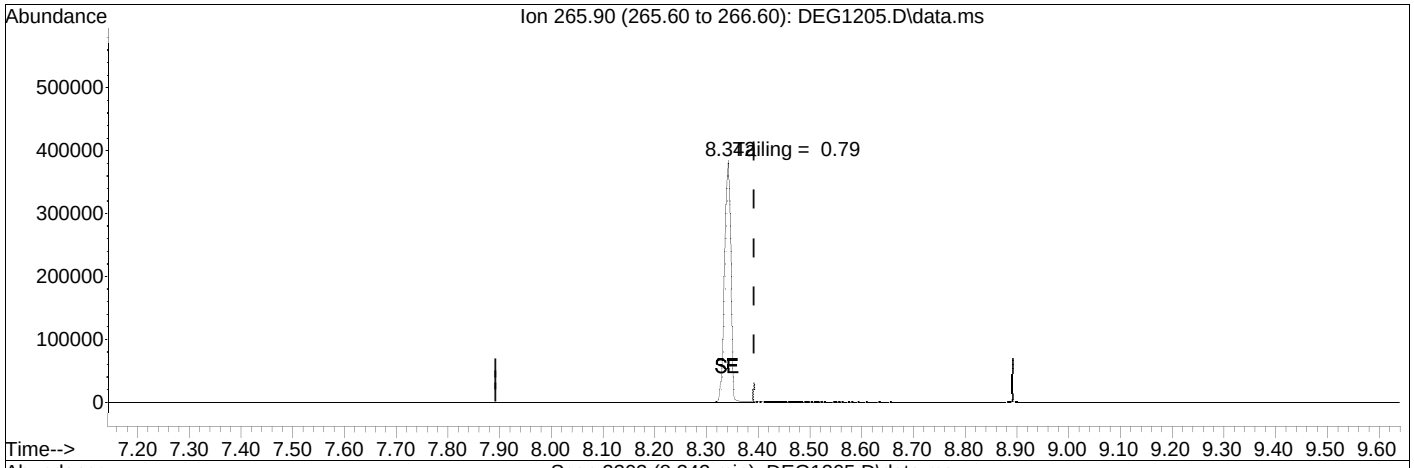
response 1718040

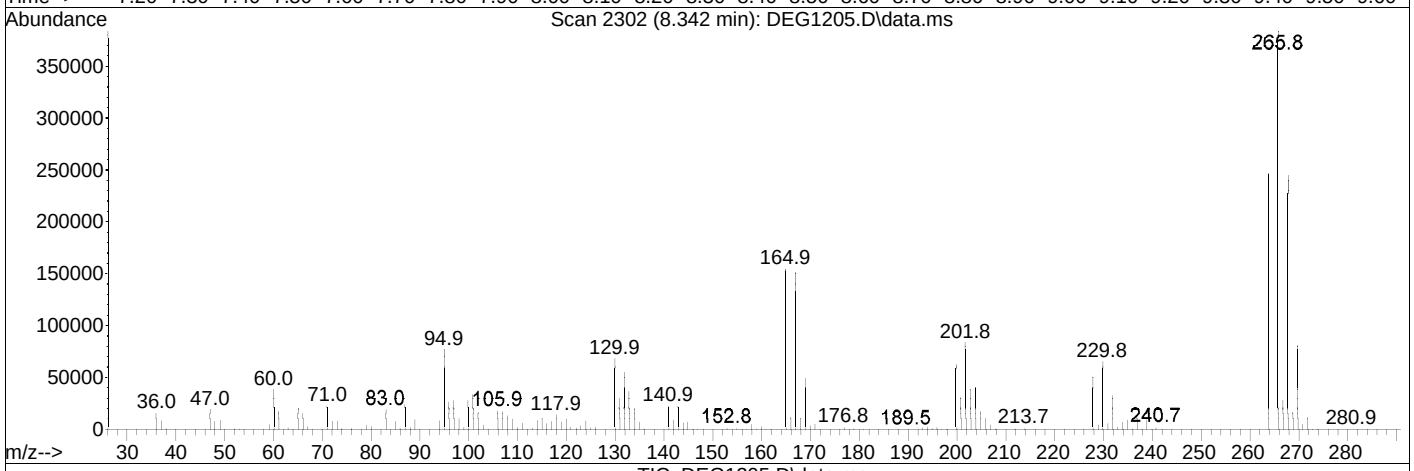
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241205RVT\
Data File : DEG1205.D
Acq On : 5 Dec 2024 6:18 am
Operator : Dakota:slr
Sample : WG2005564-7,32,,Degdftpp Lot # 11163
Misc : WG2005564,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 05 06:52:52 2024
Quant Method : I:\8270\Dakota\241205RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 27 00:45:11 2024
Response via : Initial Calibration





TIC: DEG1205.D\data.ms

(1) Pentachlorophenol (T)

8.342min (-0.050) 141.92

response 298074

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

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 06:41		
Lab File ID	: ABN1205	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005564-3	**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	85	0
n-Nitrosodimethylamine	0.63	0.634	-	-0.6	20	87	0
Pyridine	0.954	1.008	-	-5.7	20	84	0
2-Fluorophenol	1.028	0.966	-	6	20	82	0
Aniline	1.567	1.589	-	-1.4	20	88	0
2-Chlorophenol	1.225	1.235	-	-0.8	20	87	0
Phenol-d6	1.317	1.294	-	1.7	20	86	0
Phenol	1.421	1.433	-	-0.8	20	88	0
Bis(2-chloroethyl)ether	1.017	1.031	-	-1.4	20	89	0
1,3-Dichlorobenzene	1.577	1.507	-	4.4	20	85	0
1,4-Dichlorobenzene	1.61	1.517	-	5.8	20	84	0
1,2-Dichlorobenzene	1.534	1.453	-	5.3	20	84	0
Benzyl alcohol	0.93	0.952	-	-2.4	20	89	0
Bis(2-chloroisopropyl)ethe	1.794	1.892	-	-5.5	20	94	0
2-Methylphenol	1.079	1.068	-	1	20	90	0
Hexachloroethane	0.589	0.554	-	5.9	20	87	0
n-Nitrosodi-n-propylamine	0.863	0.854	-	1	20	89	0
3-Methylphenol/4-Methylphe	1.182	1.171	-	0.9	20	90	0
Nitrobenzene-d5	1.195	1.224	-	-2.4	20	88	0
Nitrobenzene	1.222	1.268	-	-3.8	20	90	0
Isophorone	2.247	2.246	-	0	20	88	0
2-Nitrophenol	0.619	0.661	-	-6.8	20	94	0
2,4-Dimethylphenol	1.101	1.125	-	-2.2	20	90	0
Bis(2-chloroethoxy)methane	1.4	1.452	-	-3.7	20	91	0
2,4-Dichlorophenol	1.285	1.296	-	-0.9	20	88	0
1,2,4-Trichlorobenzene	1.555	1.482	-	4.7	20	85	0
IS1_Naphthalene-d8	1	1	-	0	20	89	0
Naphthalene	1.1	1.026	-	6.7	20	90	0
Benzoic Acid	0.228	0.184	-	19.3	20	80	0
4-Chloroaniline	0.121	0.115	-	5	20	87	0
Hexachlorobutadiene	0.258	0.234	-	9.3	20	84	0
p-Chloro-m-cresol	0.29	0.281	-	3.1	20	90	0
2-Methylnaphthalene	0.761	0.707	-	7.1	20	90	0
1-Methylnaphthalene	0.242	0.222	-	8.3	20	86	0
Hexachlorocyclopentadiene	0.272	0.242	-	11	20	81	0
2,4,6-Trichlorophenol	0.287	0.276	-	3.8	20	89	0
2,4,5-Trichlorophenol	0.32	0.306	-	4.4	20	91	0
2-Fluorobiphenyl	0.99	0.895	-	9.6	20	88	0
2-Chloronaphthalene	0.852	0.768	-	9.9	20	86	0
2-Nitroaniline	0.218	0.218	-	0	20	90	0
1,4-Dinitrobenzene	0.095	0.101	-	-6.3	20	96	0
1,3-Dinitrobenzene	0.113	0.116	-	-2.7	20	91	0
Dimethyl phthalate	0.991	0.923	-	6.9	20	89	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 06:41		
Lab File ID	: ABN1205	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005564-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.195	-	4.6	20	90	0
2,6-Dinitrotoluene	0.185	0.188	-	-1.6	20	91	0
1,2-Dinitrobenzene	0.066	0.073	-	-10.6	20	94	0
IS1_Acenaphthene-d10	1	1	-	0	20	89	0
3-Nitroaniline	0.309	0.315	-	-1.9	20	90	0
Acenaphthene	1.163	1.068	-	8.2	20	90	0
2,4-Dinitrophenol	0.188	0.185	-	1.6	20	96	0
Dibenzofuran	2.006	1.848	-	7.9	20	90	0
2,4-Dinitrotoluene	0.387	0.43	-	-11.1	20	95	0
4-Nitrophenol	0.23	0.266	-	-15.7	20	102	0
2,3,5,6-Tetrachlorophenol	0.436	0.433	-	0.7	20	91	0
2,3,4,6-Tetrachlorophenol	0.428	0.421	-	1.6	20	91	0
Diethyl phthalate	1.575	1.469	-	6.7	20	91	0
Fluorene	1.536	1.435	-	6.6	20	90	0
4-Chlorophenyl phenyl ethe	0.792	0.708	-	10.6	20	88	0
4-Nitroaniline	0.299	0.324	-	-8.4	20	93	0
4,6-Dinitro-o-cresol	0.234	0.262	-	-12	20	97	0
NDPA/DPA	1.337	1.234	-	7.7	20	90	0
Azobenzene	1.281	1.266	-	1.2	20	93	0
2,4,6-Tribromophenol	0.286	0.294	-	-2.8	20	96	0
4-Bromophenyl phenyl ether	0.522	0.47	-	10	20	89	0
Hexachlorobenzene	0.656	0.598	-	8.8	20	91	0
Pentachlorophenol	0.356	0.381	-	-7	20	95	0
IS1_Phenanthrene-d10	1	1	-	0	20	91	0
Phenanthrene	1.183	1.108	-	6.3	20	93	0
Anthracene	1.16	1.094	-	5.7	20	92	0
Carbazole	1.064	1.049	-	1.4	20	94	0
Di-n-butylphthalate	1.207	1.183	-	2	20	91	0
Fluoranthene	1.422	1.363	-	4.1	20	94	0
Benzidine	0.772	0.831	-	-7.6	20	94	0
Pyrene	1.52	1.478	-	2.8	20	94	0
4-Terphenyl-d14	1.157	1.076	-	7	20	92	0
Butyl benzyl phthalate	0.517	0.549	-	-6.2	20	96	0
IS1_Chrysene-d12	1	1	-	0	20	95	0
Benzo(a)anthracene	1.355	1.238	-	8.6	20	94	0
3,3'-Dichlorobenzidine	0.505	0.492	-	2.6	20	93	0
Chrysene	1.349	1.216	-	9.9	20	95	0
Bis(2-ethylhexyl)phthalate	0.726	0.718	-	1.1	20	93	0
Di-n-octylphthalate	1.212	1.225	-	-1.1	20	96	0
Benzo(b)fluoranthene	1.42	1.425	-	-0.4	20	103	0
Benzo(k)fluoranthene	1.383	1.298	-	6.1	20	91	0
Benzo(a)pyrene	1.267	1.26	-	0.6	20	97	0
IS1_Perylene-d12	1	1	-	0	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744	
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504	
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 06:41	
Lab File ID	: ABN1205	**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2005564-3	**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	1.159	-	6.1	20	96	0
Dibenzo(a,h)anthracene	1.213	1.162	-	4.2	20	96	0
Benzo(ghi)perylene	1.192	1.116	-	6.4	20	96	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 07:03		
Lab File ID	: AP91205	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005564-4	**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	88	0
Benzaldehyde	0.703	0.753	-	-7.1	20	87	0
Acetophenone	1.403	1.511	-	-7.7	20	91	0
m-Toluidine	1.287	1.396	-	-8.5	20	93	0
2-Chloroaniline	1.368	1.468	-	-7.3	20	91	0
IS2_Naphthalene-d8	1	1	-	0	20	97	0
a-Terpineol	0.221	0.238	-	-7.7	20	99	0
3-Chloroaniline	0.115	0.123	-	-7	20	95	0
2,6-Dichlorophenol	0.296	0.307	-	-3.7	20	93	0
1-chloro-2-nitrobenzene	0.113	0.129	-	-14.2	20	99	0
Caprolactam	0.123	0.128	-	-4.1	20	98	0
1,2,4,5-Tetrachlorobenzene	0.413	0.406	-	1.7	20	90	0
Biphenyl	0.842	0.86	-	-2.1	20	93	0
IS2_Acenaphthene-d10	1	1	-	0	20	96	0
Dichloran	0.169	0.179	-	-5.9	20	104	0
Pentachloronitrobenzene	0.187	0.202	-	-8	20	107	0
IS2_Phenanthrene-d10	1	1	-	0	20	96	0
Diphenamid	0.416	0.455	-	-9.4	20	101	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 07:26		
Lab File ID	: ADP1205	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005564-5	**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	81	0
1,4-Dioxane	0.381	0.427	-	-12.1	20	85	0
n-Decane	1.048	1.188	-	-13.4	20	87	0
IS3_Acenaphthene-d10	1	1	-	0	20	87	0
Atrazine	0.343	0.358	-	-4.4	20	91	0
IS3_Phenanthrene-d10	1	1	-	0	20	88	0
n-Octadecane	0.334	0.363	-	-8.7	20	96	0
Parathion	5	5.065	-	-1.3	20	101	0
3,3'-Dimethylbenzidine	0.728	0.715	-	1.8	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 22:46		
Lab File ID	: ABN1205N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005363-3	**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	72	0
n-Nitrosodimethylamine	0.63	0.632	-	-0.3	20	73	0
Pyridine	0.954	1.017	-	-6.6	20	72	0
2-Fluorophenol	1.028	0.996	-	3.1	20	71	0
Aniline	1.567	1.518	-	3.1	20	71	0
2-Chlorophenol	1.225	1.227	-	-0.2	20	73	0
Phenol-d6	1.317	1.273	-	3.3	20	71	0
Phenol	1.421	1.362	-	4.2	20	70	0
Bis(2-chloroethyl)ether	1.017	0.982	-	3.4	20	72	0
1,3-Dichlorobenzene	1.577	1.477	-	6.3	20	70	0
1,4-Dichlorobenzene	1.61	1.536	-	4.6	20	72	0
1,2-Dichlorobenzene	1.534	1.478	-	3.7	20	72	0
Benzyl alcohol	0.93	0.903	-	2.9	20	71	0
Bis(2-chloroisopropyl)ethe	1.794	1.735	-	3.3	20	73	0
2-Methylphenol	1.079	1.026	-	4.9	20	72	0
Hexachloroethane	0.589	0.549	-	6.8	20	72	0
n-Nitrosodi-n-propylamine	0.863	0.798	-	7.5	20	70	0
3-Methylphenol/4-Methylphe	1.182	1.132	-	4.2	20	73	0
Nitrobenzene-d5	1.195	1.202	-	-0.6	20	73	0
Nitrobenzene	1.222	1.219	-	0.2	20	73	0
Isophorone	2.247	2.16	-	3.9	20	71	0
2-Nitrophenol	0.619	0.67	-	-8.2	20	80	0
2,4-Dimethylphenol	1.101	1.058	-	3.9	20	71	0
Bis(2-chloroethoxy)methane	1.4	1.367	-	2.4	20	72	0
2,4-Dichlorophenol	1.285	1.275	-	0.8	20	73	0
1,2,4-Trichlorobenzene	1.555	1.479	-	4.9	20	72	0
IS1_Naphthalene-d8	1	1	-	0	20	74	0
Naphthalene	1.1	1.014	-	7.8	20	73	0
Benzoic Acid	0.228	0.198	-	13.2	20	71	0
4-Chloroaniline	0.121	0.112	-	7.4	20	70	0
Hexachlorobutadiene	0.258	0.246	-	4.7	20	73	0
p-Chloro-m-cresol	0.29	0.281	-	3.1	20	74	0
2-Methylnaphthalene	0.761	0.709	-	6.8	20	75	0
1-Methylnaphthalene	0.242	0.22	-	9.1	20	70	0
Hexachlorocyclopentadiene	0.272	0.265	-	2.6	20	73	0
2,4,6-Trichlorophenol	0.287	0.281	-	2.1	20	75	0
2,4,5-Trichlorophenol	0.32	0.31	-	3.1	20	76	0
2-Fluorobiphenyl	0.99	0.922	-	6.9	20	75	0
2-Chloronaphthalene	0.852	0.795	-	6.7	20	74	0
2-Nitroaniline	0.218	0.216	-	0.9	20	74	0
1,4-Dinitrobenzene	0.095	0.104	-	-9.5	20	81	0
1,3-Dinitrobenzene	0.113	0.12	-	-6.2	20	77	0
Dimethyl phthalate	0.991	0.952	-	3.9	20	76	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 22:46		
Lab File ID	: ABN1205N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005363-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.245	-	0.6	20	78	0
2,6-Dinitrotoluene	0.185	0.19	-	-2.7	20	75	0
1,2-Dinitrobenzene	0.066	0.076	-	-15.2	20	80	0
IS1_Acenaphthene-d10	1	1	-	0	20	78	0
3-Nitroaniline	0.309	0.311	-	-0.6	20	78	0
Acenaphthene	1.163	1.037	-	10.8	20	76	0
2,4-Dinitrophenol	0.188	0.173	-	8	20	78	0
Dibenzofuran	2.006	1.8	-	10.3	20	77	0
2,4-Dinitrotoluene	0.387	0.404	-	-4.4	20	78	0
4-Nitrophenol	0.23	0.226	-	1.7	20	76	0
2,3,5,6-Tetrachlorophenol	0.436	0.418	-	4.1	20	77	0
2,3,4,6-Tetrachlorophenol	0.428	0.423	-	1.2	20	80	0
Diethyl phthalate	1.575	1.423	-	9.7	20	77	0
Fluorene	1.536	1.398	-	9	20	77	0
4-Chlorophenyl phenyl ethe	0.792	0.703	-	11.2	20	76	0
4-Nitroaniline	0.299	0.31	-	-3.7	20	77	0
4,6-Dinitro-o-cresol	0.234	0.266	-	-13.7	20	86	0
NDPA/DPA	1.337	1.213	-	9.3	20	78	0
Azobenzene	1.281	1.179	-	8	20	76	0
2,4,6-Tribromophenol	0.286	0.293	-	-2.4	20	84	0
4-Bromophenyl phenyl ether	0.522	0.477	-	8.6	20	79	0
Hexachlorobenzene	0.656	0.612	-	6.7	20	82	0
Pentachlorophenol	0.356	0.364	-	-2.2	20	79	0
IS1_Phenanthrene-d10	1	1	-	0	20	80	0
Phenanthrene	1.183	1.083	-	8.5	20	80	0
Anthracene	1.16	1.081	-	6.8	20	80	0
Carbazole	1.064	1.015	-	4.6	20	80	0
Di-n-butylphthalate	1.207	1.159	-	4	20	78	0
Fluoranthene	1.422	1.37	-	3.7	20	83	0
Benzidine	0.772	0.803	-	-4	20	80	0
Pyrene	1.52	1.482	-	2.5	20	83	0
4-Terphenyl-d14	1.157	1.097	-	5.2	20	82	0
Butyl benzyl phthalate	0.517	0.536	-	-3.7	20	82	0
IS1_Chrysene-d12	1	1	-	0	20	88	0
Benzo(a)anthracene	1.355	1.196	-	11.7	20	84	0
3,3'-Dichlorobenzidine	0.505	0.477	-	5.5	20	83	0
Chrysene	1.349	1.169	-	13.3	20	84	0
Bis(2-ethylhexyl)phthalate	0.726	0.67	-	7.7	20	80	0
Di-n-octylphthalate	1.212	1.149	-	5.2	20	83	0
Benzo(b)fluoranthene	1.42	1.381	-	2.7	20	93	0
Benzo(k)fluoranthene	1.383	1.283	-	7.2	20	83	0
Benzo(a)pyrene	1.267	1.23	-	2.9	20	88	0
IS1_Perylene-d12	1	1	-	0	20	89	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 22:46		
Lab File ID	: ABN1205N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005363-3	**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	1.146	-	7.1	20	87	0
Dibenzo(a,h)anthracene	1.213	1.132	-	6.7	20	86	0
Benzo(ghi)perylene	1.192	1.086	-	8.9	20	86	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 23:08		
Lab File ID	: AP91205N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005363-4	**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	74	0
Benzaldehyde	0.703	0.736	-	-4.7	20	71	0
Acetophenone	1.403	1.484	-	-5.8	20	75	0
m-Toluidine	1.287	1.342	-	-4.3	20	75	0
2-Chloroaniline	1.368	1.49	-	-8.9	20	77	0
IS2_Naphthalene-d8	1	1	-	0	20	79	0
a-Terpineol	0.221	0.221	-	0	20	74	0
3-Chloroaniline	0.115	0.122	-	-6.1	20	77	0
2,6-Dichlorophenol	0.296	0.305	-	-3	20	75	0
1-chloro-2-nitrobenzene	0.113	0.131	-	-15.9	20	81	0
Caprolactam	0.123	0.124	-	-0.8	20	77	0
1,2,4,5-Tetrachlorobenzene	0.413	0.42	-	-1.7	20	76	0
Biphenyl	0.842	0.876	-	-4	20	77	0
IS2_Acenaphthene-d10	1	1	-	0	20	78	0
Dichloran	0.169	0.18	-	-6.5	20	85	0
Pentachloronitrobenzene	0.187	0.196	-	-4.8	20	85	0
IS2_Phenanthrene-d10	1	1	-	0	20	80	0
Diphenamid	0.416	0.449	-	-7.9	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 23:31		
Lab File ID	: ADP1205N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005363-5	**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	77	0
1,4-Dioxane	0.381	0.417	-	-9.4	20	79	0
n-Decane	1.048	1.043	-	0.5	20	73	0
IS3_Acenaphthene-d10	1	1	-	0	20	82	0
Atrazine	0.343	0.323	-	5.8	20	77	0
IS3_Phenanthrene-d10	1	1	-	0	20	80	0
n-Octadecane	0.334	0.321	-	3.9	20	78	0
Parathion	5	4.813	-	3.7	20	87	0
3,3'-Dimethylbenzidine	0.728	0.739	-	-1.5	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/06/24 12:06		
Lab File ID	: ABN1206	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2006161-3	**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	77	0
n-Nitrosodimethylamine	0.63	0.675	-	-7.1	20	84	0
Pyridine	0.954	0.988	-	-3.6	20	75	0
2-Fluorophenol	1.028	0.997	-	3	20	76	0
Aniline	1.567	1.572	-	-0.3	20	79	0
2-Chlorophenol	1.225	1.223	-	0.2	20	77	0
Phenol-d6	1.317	1.278	-	3	20	77	0
Phenol	1.421	1.428	-	-0.5	20	79	0
Bis(2-chloroethyl)ether	1.017	0.988	-	2.9	20	77	0
1,3-Dichlorobenzene	1.577	1.513	-	4.1	20	77	0
1,4-Dichlorobenzene	1.61	1.541	-	4.3	20	77	0
1,2-Dichlorobenzene	1.534	1.49	-	2.9	20	78	0
Benzyl alcohol	0.93	0.912	-	1.9	20	77	0
Bis(2-chloroisopropyl)ethe	1.794	1.783	-	0.6	20	80	0
2-Methylphenol	1.079	1.068	-	1	20	81	0
Hexachloroethane	0.589	0.561	-	4.8	20	79	0
n-Nitrosodi-n-propylamine	0.863	0.85	-	1.5	20	80	0
3-Methylphenol/4-Methylphe	1.182	1.168	-	1.2	20	81	0
Nitrobenzene-d5	1.195	1.252	-	-4.8	20	82	0
Nitrobenzene	1.222	1.255	-	-2.7	20	80	0
Isophorone	2.247	2.185	-	2.8	20	77	0
2-Nitrophenol	0.619	0.674	-	-8.9	20	86	0
2,4-Dimethylphenol	1.101	1.109	-	-0.7	20	80	0
Bis(2-chloroethoxy)methane	1.4	1.414	-	-1	20	80	0
2,4-Dichlorophenol	1.285	1.311	-	-2	20	81	0
1,2,4-Trichlorobenzene	1.555	1.511	-	2.8	20	79	0
IS1_Naphthalene-d8	1	1	-	0	20	81	0
Naphthalene	1.1	1.01	-	8.2	20	80	0
Benzoic Acid	0.228	0.177	-	22.4*	20	69	0
4-Chloroaniline	0.121	0.115	-	5	20	78	0
Hexachlorobutadiene	0.258	0.24	-	7	20	77	0
p-Chloro-m-cresol	0.29	0.277	-	4.5	20	80	0
2-Methylnaphthalene	0.761	0.707	-	7.1	20	81	0
1-Methylnaphthalene	0.242	0.224	-	7.4	20	78	0
Hexachlorocyclopentadiene	0.272	0.266	-	2.2	20	80	0
2,4,6-Trichlorophenol	0.287	0.28	-	2.4	20	81	0
2,4,5-Trichlorophenol	0.32	0.31	-	3.1	20	83	0
2-Fluorobiphenyl	0.99	0.897	-	9.4	20	79	0
2-Chloronaphthalene	0.852	0.786	-	7.7	20	79	0
2-Nitroaniline	0.218	0.22	-	-0.9	20	82	0
1,4-Dinitrobenzene	0.095	0.103	-	-8.4	20	88	0
1,3-Dinitrobenzene	0.113	0.116	-	-2.7	20	82	0
Dimethyl phthalate	0.991	0.943	-	4.8	20	82	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		Lab Number	: L2470744	
Project Name	: ROANOKE SAND AND GRAVEL		Project Number	: BSD1504	
Instrument ID	: DAKOTA		Calibration Date	: 12/06/24 12:06	
Lab File ID	: ABN1206		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2006161-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.216	-	2.9	20	83	0
2,6-Dinitrotoluene	0.185	0.191	-	-3.2	20	83	0
1,2-Dinitrobenzene	0.066	0.074	-	-12.1	20	85	0
IS1_Acenaphthene-d10	1	1	-	0	20	83	0
3-Nitroaniline	0.309	0.321	-	-3.9	20	86	0
Acenaphthene	1.163	1.051	-	9.6	20	82	0
2,4-Dinitrophenol	0.188	0.186	-	1.1	20	89	0
Dibenzofuran	2.006	1.805	-	10	20	82	0
2,4-Dinitrotoluene	0.387	0.419	-	-8.3	20	86	0
4-Nitrophenol	0.23	0.252	-	-9.6	20	89	0
2,3,5,6-Tetrachlorophenol	0.436	0.425	-	2.5	20	83	0
2,3,4,6-Tetrachlorophenol	0.428	0.417	-	2.6	20	84	0
Diethyl phthalate	1.575	1.408	-	10.6	20	81	0
Fluorene	1.536	1.438	-	6.4	20	84	0
4-Chlorophenyl phenyl ethe	0.792	0.707	-	10.7	20	81	0
4-Nitroaniline	0.299	0.328	-	-9.7	20	87	0
4,6-Dinitro-o-cresol	0.234	0.26	-	-11.1	20	89	0
NDPA/DPA	1.337	1.191	-	10.9	20	81	0
Azobenzene	1.281	1.197	-	6.6	20	81	0
2,4,6-Tribromophenol	0.286	0.291	-	-1.7	20	88	0
4-Bromophenyl phenyl ether	0.522	0.465	-	10.9	20	81	0
Hexachlorobenzene	0.656	0.584	-	11	20	83	0
Pentachlorophenol	0.356	0.377	-	-5.9	20	87	0
IS1_Phenanthrene-d10	1	1	-	0	20	84	0
Phenanthrene	1.183	1.093	-	7.6	20	85	0
Anthracene	1.16	1.092	-	5.9	20	85	0
Carbazole	1.064	1.038	-	2.4	20	86	0
Di-n-butylphthalate	1.207	1.122	-	7	20	80	0
Fluoranthene	1.422	1.38	-	3	20	88	0
Benzidine	0.772	0.81	-	-4.9	20	85	0
Pyrene	1.52	1.492	-	1.8	20	88	0
4-Terphenyl-d14	1.157	1.083	-	6.4	20	86	0
Butyl benzyl phthalate	0.517	0.539	-	-4.3	20	87	0
IS1_Chrysene-d12	1	1	-	0	20	92	0
Benzo(a)anthracene	1.355	1.224	-	9.7	20	90	0
3,3'-Dichlorobenzidine	0.505	0.496	-	1.8	20	91	0
Chrysene	1.349	1.221	-	9.5	20	92	0
Bis(2-ethylhexyl)phthalate	0.726	0.674	-	7.2	20	85	0
Di-n-octylphthalate	1.212	1.157	-	4.5	20	88	0
Benzo(b)fluoranthene	1.42	1.383	-	2.6	20	97	0
Benzo(k)fluoranthene	1.383	1.342	-	3	20	91	0
Benzo(a)pyrene	1.267	1.258	-	0.7	20	94	0
IS1_Perylene-d12	1	1	-	0	20	95	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/06/24 12:06		
Lab File ID	: ABN1206	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2006161-3	**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	1.134	-	8.1	20	93	0
Dibenzo(a,h)anthracene	1.213	1.143	-	5.8	20	93	0
Benzo(ghi)perylene	1.192	1.116	-	6.4	20	95	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/06/24 12:28		
Lab File ID	: AP91206	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2006161-4	**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	85	0
Benzaldehyde	0.703	0.762	-	-8.4	20	85	0
Acetophenone	1.403	1.537	-	-9.6	20	89	0
m-Toluidine	1.287	1.39	-	-8	20	89	0
2-Chloroaniline	1.368	1.524	-	-11.4	20	91	0
IS2_Naphthalene-d8	1	1	-	0	20	95	0
a-Terpineol	0.221	0.226	-	-2.3	20	91	0
3-Chloroaniline	0.115	0.12	-	-4.3	20	90	0
2,6-Dichlorophenol	0.296	0.309	-	-4.4	20	92	0
1-chloro-2-nitrobenzene	0.113	0.126	-	-11.5	20	95	0
Caprolactam	0.123	0.123	-	0	20	92	0
1,2,4,5-Tetrachlorobenzene	0.413	0.409	-	1	20	89	0
Biphenyl	0.842	0.854	-	-1.4	20	90	0
IS2_Acenaphthene-d10	1	1	-	0	20	93	0
Dichloran	0.169	0.182	-	-7.7	20	103	0
Pentachloronitrobenzene	0.187	0.199	-	-6.4	20	102	0
IS2_Phenanthrene-d10	1	1	-	0	20	94	0
Diphenamid	0.416	0.445	-	-7	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/06/24 12:51		
Lab File ID	: ADP1206	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2006161-5	**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	79	0
1,4-Dioxane	0.381	0.398	-	-4.5	20	77	0
n-Decane	1.048	1.046	-	0.2	20	75	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.343	0.331	-	3.5	20	83	0
IS3_Phenanthrene-d10	1	1	-	0	20	86	0
n-Octadecane	0.334	0.32	-	4.2	20	83	0
Parathion	5	4.912	-	1.8	20	95	0
3,3'-Dimethylbenzidine	0.728	0.726	-	0.3	20	97	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241205NRVT\
Data File : ABN1205n.D
Acq On : 5 Dec 2024 10:46 pm
Operator : Dakota:smz
Sample : wg2005363-3,32,,ABN RVT CCV Lot # 11043
Misc : wg2005363,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 05 23:19:08 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:20:30 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	72	0.00
2	t	n-Nitrosodimethylamine	0.630	0.632	-0.3	73	0.00
3	t	Pyridine	0.954	1.017	-6.6	72	0.00
4	S	2-Fluorophenol	1.028	0.996	3.1	71	0.00
5	T	Aniline	1.567	1.518	3.1	71	0.00
6	t	2-Chlorophenol	1.225	1.227	-0.2	73	0.00
7	S	Phenol-d6	1.317	1.273	3.3	71	0.00
8	T	Phenol	1.421	1.362	4.2	70	0.00
9	T	Bis(2-chloroethyl)ether	1.017	0.982	3.4	72	0.00
10	T	1,3-Dichlorobenzene	1.577	1.477	6.3	70	0.00
11	T	1,4-Dichlorobenzene	1.610	1.536	4.6	72	0.00
12	T	1,2-Dichlorobenzene	1.534	1.478	3.7	72	0.00
13	t	Benzyl alcohol	0.930	0.903	2.9	71	0.00
14	T	Bis(2-chloroisopropyl)ether	1.794	1.735	3.3	73	0.00
15	T	2-Methylphenol	1.079	1.026	4.9	72	0.00
16	T	Hexachloroethane	0.589	0.549	6.8	72	0.00
17	T	n-Nitrosodi-n-propylamine	0.863	0.798	7.5	70	0.00
18	T	3-Methylphenol/4-Methylphen	1.182	1.132	4.2	73	0.00
19	S	Nitrobenzene-d5	1.195	1.202	-0.6	73	0.00
20	T	Nitrobenzene	1.222	1.219	0.2	73	0.00
21	T	Isophorone	2.247	2.160	3.9	71	0.00
22	T	2-Nitrophenol	0.619	0.670	-8.2	80	0.00
23	T	2,4-Dimethylphenol	1.101	1.058	3.9	71	0.00
24	T	Bis(2-chloroethoxy)methane	1.400	1.367	2.4	72	0.00
25	T	2,4-Dichlorophenol	1.285	1.275	0.8	73	0.00
26	T	1,2,4-Trichlorobenzene	1.555	1.479	4.9	72	0.00
37	I	IS1_Naphthalene-d8	1.000	1.000	0.0	74	0.00
38	T	Naphthalene	1.100	1.014	7.8	73	0.00
39	T	Benzoic Acid	0.228	0.198	13.2	71	0.00
40	T	4-Chloroaniline	0.121	0.112	7.4	70	0.00
41	T	Hexachlorobutadiene	0.258	0.246	4.7	73	0.00
42	T	p-Chloro-m-cresol	0.290	0.281	3.1	74	0.00
43	T	2-Methylnaphthalene	0.761	0.709	6.8	75	0.00
44	T	1-Methylnaphthalene	0.242	0.220	9.1	70	0.00
45	T	Hexachlorocyclopentadiene	0.272	0.265	2.6	73	0.00
46	T	2,4,6-Trichlorophenol	0.287	0.281	2.1	75	0.00
47	T	2,4,5-Trichlorophenol	0.320	0.310	3.1	76	0.00
48	S	2-Fluorobiphenyl	0.990	0.922	6.9	75	0.00

Data Path : I:\8270\Dakota\241205NRVT\
Data File : ABN1205n.D
Acq On : 5 Dec 2024 10:46 pm
Operator : Dakota:smz
Sample : wg2005363-3,32,,ABN RVT CCV Lot # 11043
Misc : wg2005363,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 05 23:19:08 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:20:30 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	0.795	6.7	74	0.00
50	T	2-Nitroaniline	0.218	0.216	0.9	74	0.00
51	T	1,4-Dinitrobenzene	0.095	0.104	-9.5	81	0.00
52	T	1,3-Dinitrobenzene	0.113	0.120	-6.2	77	0.00
53	T	Dimethyl phthalate	0.991	0.952	3.9	76	0.00
54	T	Acenaphthylene	1.252	1.245	0.6	78	0.00
55	T	2,6-Dinitrotoluene	0.185	0.190	-2.7	75	0.00
56	T	1,2-Dinitrobenzene	0.066	0.076	-15.2	80	0.00
65	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	78	0.00
66	T	3-Nitroaniline	0.309	0.311	-0.6	78	0.00
67	T	Acenaphthene	1.163	1.037	10.8	76	0.00
68	T	2,4-Dinitrophenol	0.188	0.173	8.0	78	0.00
69	T	Dibenzofuran	2.006	1.800	10.3	77	0.00
70	T	2,4-Dinitrotoluene	0.387	0.404	-4.4	78	0.00
71	T	4-Nitrophenol	0.230	0.226	1.7	76	0.00
72	T	2,3,5,6-Tetrachlorophenol	0.436	0.418	4.1	77	0.00
73	T	2,3,4,6-Tetrachlorophenol	0.428	0.423	1.2	80	0.00
74	T	Diethyl phthalate	1.575	1.423	9.7	77	0.00
75	T	Fluorene	1.536	1.398	9.0	77	0.00
76	T	4-Chlorophenyl phenyl ether	0.792	0.703	11.2	76	0.00
77	T	4-Nitroaniline	0.299	0.310	-3.7	77	0.00
78	T	4,6-Dinitro-o-cresol	0.234	0.266	-13.7	86	0.00
79	T	NDPA/DPA	1.337	1.213	9.3	78	0.00
80	T	Azobenzene	1.281	1.179	8.0	76	0.00
81	S	2,4,6-Tribromophenol	0.286	0.293	-2.4	84	0.00
82	T	4-Bromophenyl phenyl ether	0.522	0.477	8.6	79	0.00
83	T	Hexachlorobenzene	0.656	0.612	6.7	82	0.00
84	T	Pentachlorophenol	0.356	0.364	-2.2	79	0.00
90	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	80	0.00
91	T	Phenanthrene	1.183	1.083	8.5	80	0.00
92	T	Anthracene	1.160	1.081	6.8	80	0.00
93	T	Carbazole	1.064	1.015	4.6	80	0.00
94	T	Di-n-butylphthalate	1.207	1.159	4.0	78	0.00
95	T	Fluoranthene	1.422	1.370	3.7	83	0.00
96	T	Benzidine	0.772	0.803	-4.0	80	0.00
97	T	Pyrene	1.520	1.482	2.5	83	0.00
98	S	4-Terphenyl-d14	1.157	1.097	5.2	82	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241205NRVT\
Data File : ABN1205n.D
Acq On : 5 Dec 2024 10:46 pm
Operator : Dakota:smz
Sample : wg2005363-3,32,,ABN RVT CCV Lot # 11043
Misc : wg2005363,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 05 23:19:08 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:20:30 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	0.536	-3.7	82	0.00
106	I	IS1_Chrysene-d12	1.000	1.000	0.0	88	0.00
107	T	Benzo(a)anthracene	1.355	1.196	11.7	84	0.00
108	T	3,3'-Dichlorobenzidine	0.505	0.477	5.5	83	0.00
109	T	Chrysene	1.349	1.169	13.3	84	0.00
110	T	Bis(2-ethylhexyl)phthalate	0.726	0.670	7.7	80	0.00
111	T	Di-n-octylphthalate	1.212	1.149	5.2	83	0.00
112	T	Benzo(b)fluoranthene	1.420	1.381	2.7	93	0.00
113	T	Benzo(k)fluoranthene	1.383	1.283	7.2	83	0.00
114	T	Benzo(a)pyrene	1.267	1.230	2.9	88	0.00
115	I	IS1_Perylene-d12	1.000	1.000	0.0	89	0.00
116	T	Indeno(1,2,3-cd)pyrene	1.234	1.146	7.1	87	0.00
117	T	Dibenzo(a,h)anthracene	1.213	1.132	6.7	86	0.00
118	T	Benzo(ghi)perylene	1.192	1.086	8.9	86	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\241205NRVT\
Data File : ABN1205n.D
Acq On : 5 Dec 2024 10:46 pm
Operator : Dakota:smz
Sample : wg2005363-3,32,,ABN RVT CCV Lot # 11043
Misc : wg2005363,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 05 23:19:08 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:20:30 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...	4.152	152	20744	4.000	ug/ml		0.00
37) IS1_Naphthalene-d8	5.392	136	79608	4.000	ug/ml	#	0.00
65) IS1_Acenaphthene-d10	7.080	164	54276	4.000	ug/ml		0.00
90) IS1_Phenanthrene-d10	8.491	188	119869	4.000	ug/ml		0.00
106) IS1_Chrysene-d12	11.049	240	152226	4.000	ug/ml		0.00
115) IS1_Perylene-d12	12.454	264	181009	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.850	112	25828	4.843	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 242.15%#				
7) Phenol-d6	3.866	99	33001	4.832	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 241.60%#				
19) Nitrobenzene-d5	4.705	82	31167	5.029	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 502.90%#				
48) 2-Fluorobiphenyl	6.467	172	91738	4.656	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 465.60%#				
81) 2,4,6-Tribromophenol	7.841	330	19891	5.127	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 256.35%#				
98) 4-Terphenyl-d14	10.060	244	164326	4.738	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 473.80%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.460	74	16385	5.013	ug/ml	#	79
3) Pyridine	1.485	79	26367	5.330	ug/ml	#	61
5) Aniline	3.835	93	39361	4.844	ug/ml		98
6) 2-Chlorophenol	3.947	128	31819	5.008	ug/ml	#	88
8) Phenol	3.875	94	35313	4.793	ug/ml		96
9) Bis(2-chloroethyl)ether	3.931	93	25475	4.829	ug/ml		96
10) 1,3-Dichlorobenzene	4.093	146	38311	4.686	ug/ml		92
11) 1,4-Dichlorobenzene	4.167	146	39831	4.771	ug/ml		94
12) 1,2-Dichlorobenzene	4.317	146	38335	4.818	ug/ml		93
13) Benzyl alcohol	4.326	79	23414	4.854	ug/ml		98
14) Bis(2-chloroisopropyl)...	4.469	45	44976	4.834	ug/ml	#	62
15) 2-Methylphenol	4.469	108	26594	4.751	ug/ml		99
16) Hexachloroethane	4.640	117	14235	4.657	ug/ml	#	50
17) n-Nitrosodi-n-propylamine	4.596	70	20690	4.625	ug/ml	#	88
18) 3-Methylphenol/4-Methy...	4.630	108	29342	4.785	ug/ml		100
20) Nitrobenzene	4.724	77	31608	4.987	ug/ml		97
21) Isophorone	4.969	82	55998	4.806	ug/ml		95
22) 2-Nitrophenol	5.041	139	17371	5.413	ug/ml	#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : ABN1205n.D
Acq On : 5 Dec 2024 10:46 pm
Operator : Dakota:smz
Sample : wg2005363-3,32,,ABN RVT CCV Lot # 11043
Misc : wg2005363,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 05 23:19:08 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:20:30 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	5.140	107	27423	4.804	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.218	93	35456	4.884	ug/ml#	96
25) 2,4-Dichlorophenol	5.283	162	33049	4.959	ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.352	180	38359	4.756	ug/ml#	94
38) Naphthalene	5.411	128	100865	4.607	ug/ml	100
39) Benzoic Acid	5.230	105	19709	4.348	ug/ml	92
40) 4-Chloroaniline	5.498	65	11133	4.626	ug/ml#	62
41) Hexachlorobutadiene	5.569	225	24522	4.768	ug/ml	97
42) p-Chloro-m-cresol	6.011	107	27941	4.844	ug/ml	89
43) 2-Methylnaphthalene	6.091	142	70542	4.656	ug/ml	96
44) 1-Methylnaphthalene	6.181	115	21926	4.552	ug/ml	84
45) Hexachlorocyclopentadiene	6.262	237	26344	4.862	ug/ml	99
46) 2,4,6-Trichlorophenol	6.387	196	27925	4.896	ug/ml	99
47) 2,4,5-Trichlorophenol	6.415	196	30892	4.844	ug/ml	96
49) 2-Chloronaphthalene	6.551	162	79140	4.665	ug/ml	93
50) 2-Nitroaniline	6.673	138	21537	4.961	ug/ml#	75
51) 1,4-Dinitrobenzene	6.806	168	10335	5.481	ug/ml	84
52) 1,3-Dinitrobenzene	6.881	168	11900	5.269	ug/ml#	1
53) Dimethyl phthalate	6.881	163	94720	4.803	ug/ml#	97
54) Acenaphthylene	6.940	152	123885	4.973	ug/ml	99
55) 2,6-Dinitrotoluene	6.918	165	18862	5.124	ug/ml#	79
56) 1,2-Dinitrobenzene	6.958	168	7532	5.713	ug/ml	94
66) 3-Nitroaniline	7.070	138	21084	5.031	ug/ml	86
67) Acenaphthene	7.111	154	70352	4.457	ug/ml	87
68) 2,4-Dinitrophenol	7.173	184	11748	4.603	ug/ml#	83
69) Dibenzofuran	7.279	168	122138	4.487	ug/ml#	86
70) 2,4-Dinitrotoluene	7.300	165	27402	5.216	ug/ml#	72
71) 4-Nitrophenol	7.279	65	15332	4.907	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.378	232	28377	4.792	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.418	232	28713	4.946	ug/ml	96
74) Diethyl phthalate	7.568	149	96537	4.518	ug/ml	98
75) Fluorene	7.605	166	94868	4.551	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.636	204	47687	4.439	ug/ml#	85
77) 4-Nitroaniline	7.648	138	21036	5.192	ug/ml#	79
78) 4,6-Dinitro-o-cresol	7.686	198	18036	5.680	ug/ml#	57
79) NDPA/DPA	7.754	169	82289	4.538	ug/ml	93
80) Azobenzene	7.782	77	79999	4.603	ug/ml	99
82) 4-Bromophenyl phenyl e...	8.096	248	32367	4.574	ug/ml#	79
83) Hexachlorobenzene	8.140	284	41546	4.665	ug/ml#	77
84) Pentachlorophenol	8.338	266	24665	5.108	ug/ml	97
91) Phenanthrene	8.513	178	162258	4.578	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : ABN1205n.D
Acq On : 5 Dec 2024 10:46 pm
Operator : Dakota:smz
Sample : wg2005363-3,32,,ABN RVT CCV Lot # 11043
Misc : wg2005363,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 05 23:19:08 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:20:30 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Anthracene	8.562	178	161911	4.658	ug/ml	99
93) Carbazole	8.736	167	152053	4.767	ug/ml	98
94) Di-n-butylphthalate	9.147	149	173611	4.801	ug/ml#	98
95) Fluoranthene	9.650	202	205306	4.817	ug/ml#	92
96) Benzidine	9.815	184	120324	5.202	ug/ml#	94
97) Pyrene	9.855	202	222127	4.878	ug/ml	99
99) Butyl benzyl phthalate	10.576	149	80333	5.186	ug/ml#	81
107) Benzo(a)anthracene	11.039	228	227670	4.414	ug/ml	98
108) 3,3'-Dichlorobenzidine	11.055	252	90838	4.727	ug/ml#	97
109) Chrysene	11.074	228	222395	4.332	ug/ml	97
110) Bis(2-ethylhexyl)phtha...	11.201	149	127434	4.610	ug/ml#	88
111) Di-n-octylphthalate	11.854	149	218684	4.743	ug/ml#	72
112) Benzo(b)fluoranthene	12.099	252	262789	4.863	ug/ml#	93
113) Benzo(k)fluoranthene	12.127	252	244174	4.638	ug/ml#	94
114) Benzo(a)pyrene	12.401	252	233976	4.853	ug/ml#	93
116) Indeno(1,2,3-cd)pyrene	13.386	276	259315	4.643	ug/mL#	88
117) Dibenzo(a,h)anthracene	13.411	278	256084	4.666	ug/ml#	89
118) Benzo(ghi)perylene	13.594	276	245640	4.553	ug/ml#	85

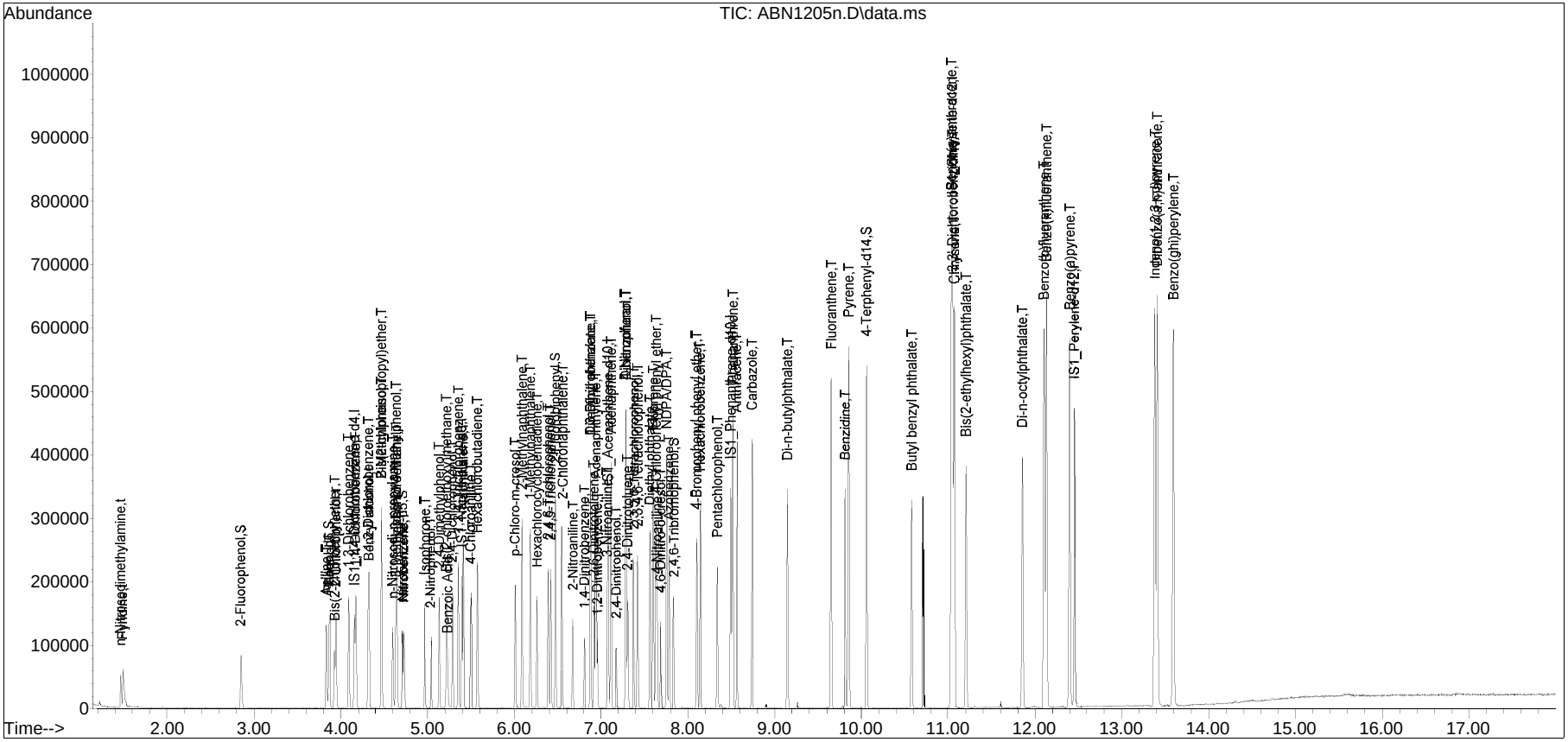
(#) = qualifier out of range (m) = manual integration (+) = signals summed

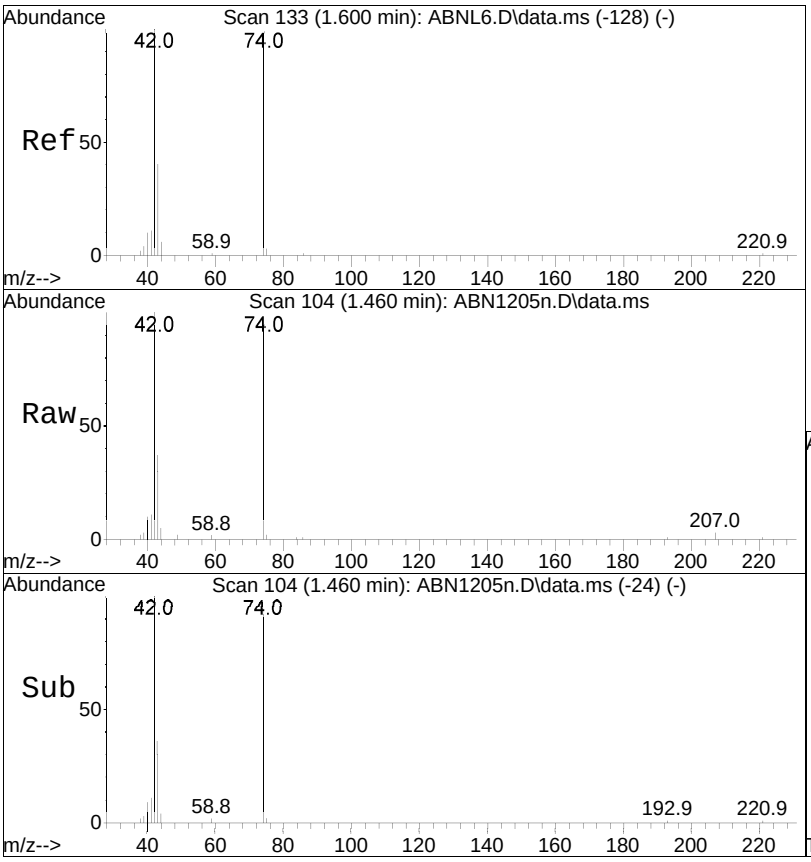
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : ABN1205n.D
Acq On : 5 Dec 2024 10:46 pm
Operator : Dakota:smz
Sample : wg2005363-3,32,,ABN RVT CCV Lot # 11043
Misc : wg2005363,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 05 23:19:08 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:20:30 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

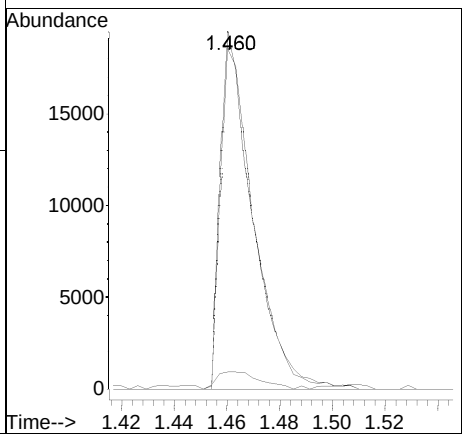


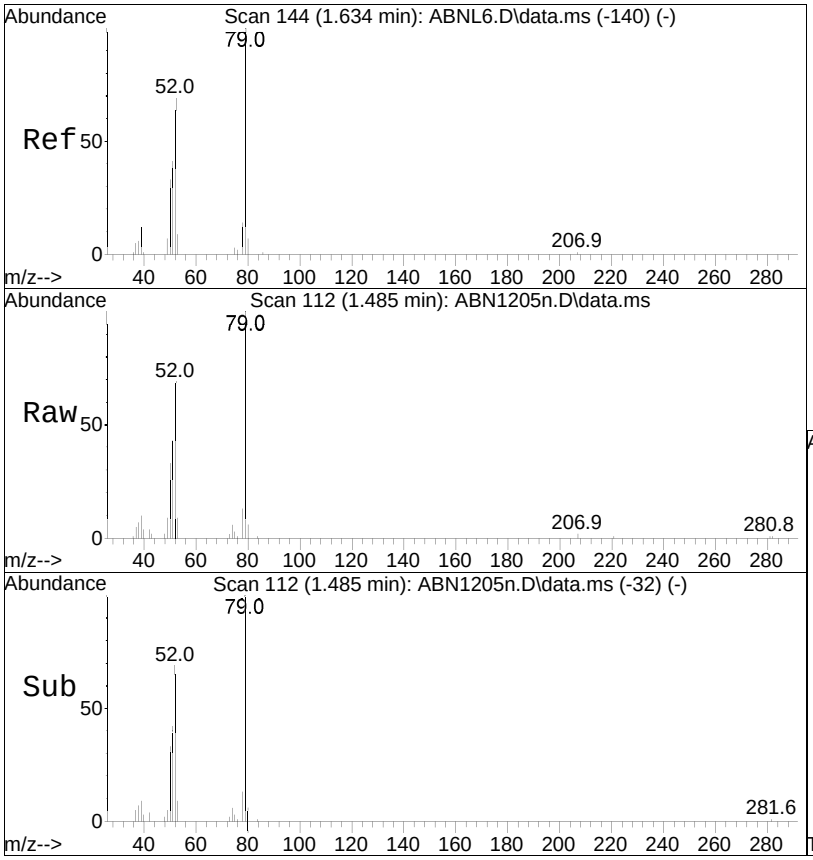


#2
n-Nitrosodimethylamine
Concen: 5.01 ug/ml
RT: 1.460 min Scan# 104
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion: 74 Resp: 16385

Ion	Ratio	Lower	Upper
74	100		
42	100.5	100.0	150.0
44	6.4	6.7	10.1#

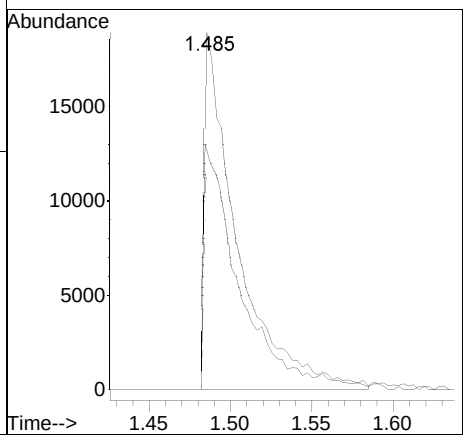


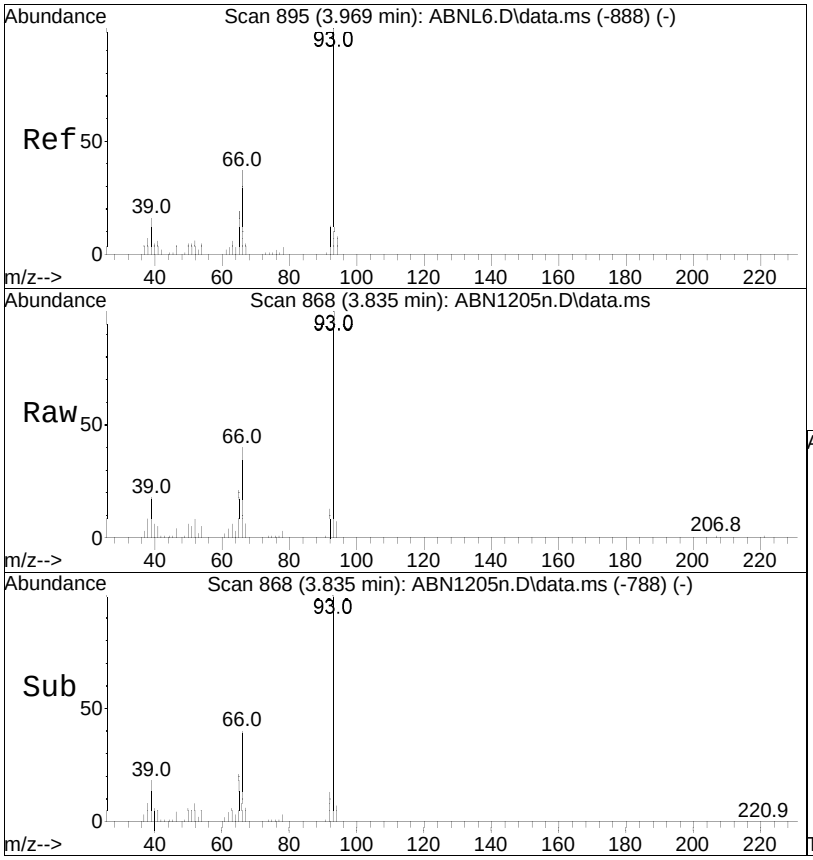


#3
Pyridine
Concen: 5.33 ug/ml
RT: 1.485 min Scan# 112
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion: 79 Resp: 26367

Ion	Ratio	Lower	Upper
79	100		
52	74.1	93.1	139.7#

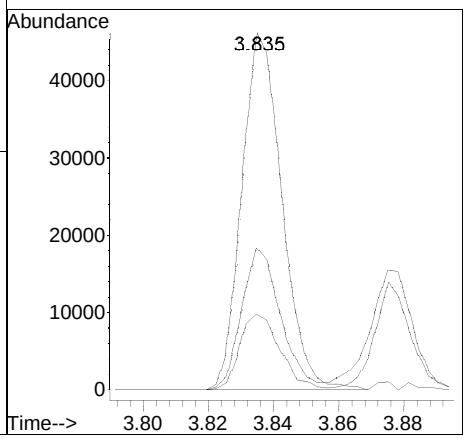


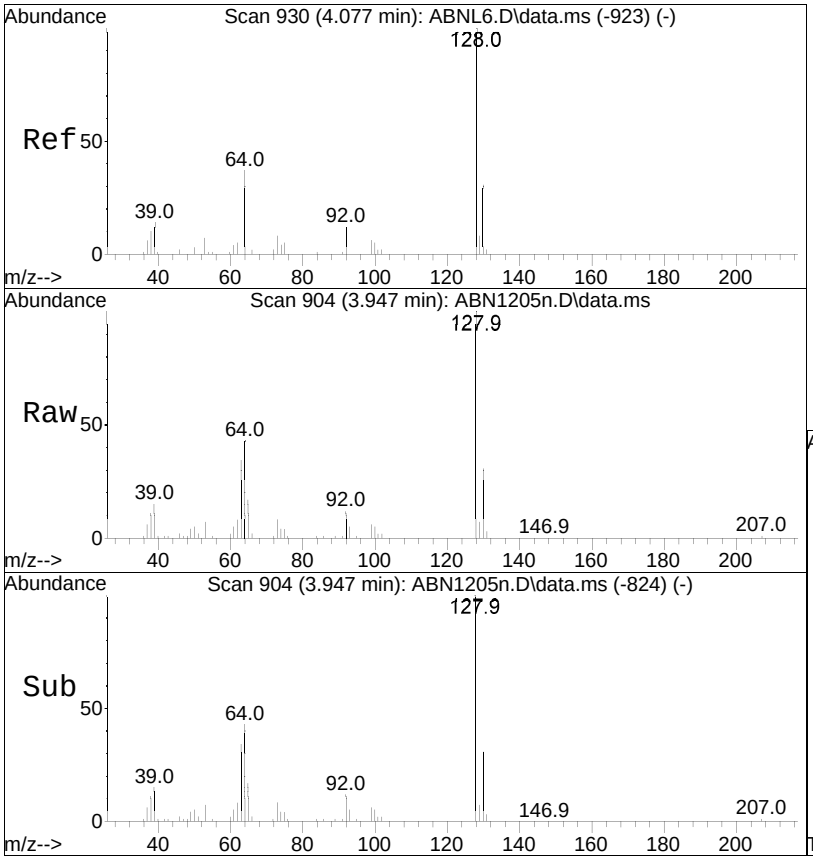


#5
Aniline
Concen: 4.84 ug/ml
RT: 3.835 min Scan# 868
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion: 93 Resp: 39361

Ion	Ratio	Lower	Upper
93	100		
66	39.2	32.6	49.0
65	21.5	17.6	26.4

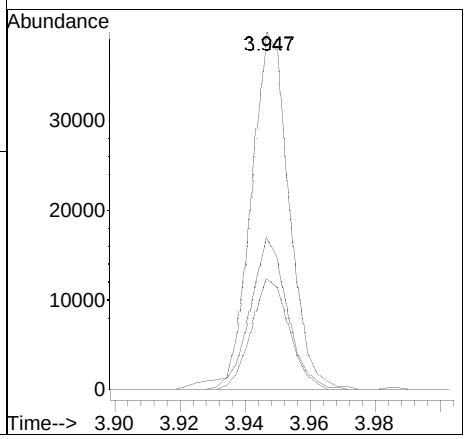


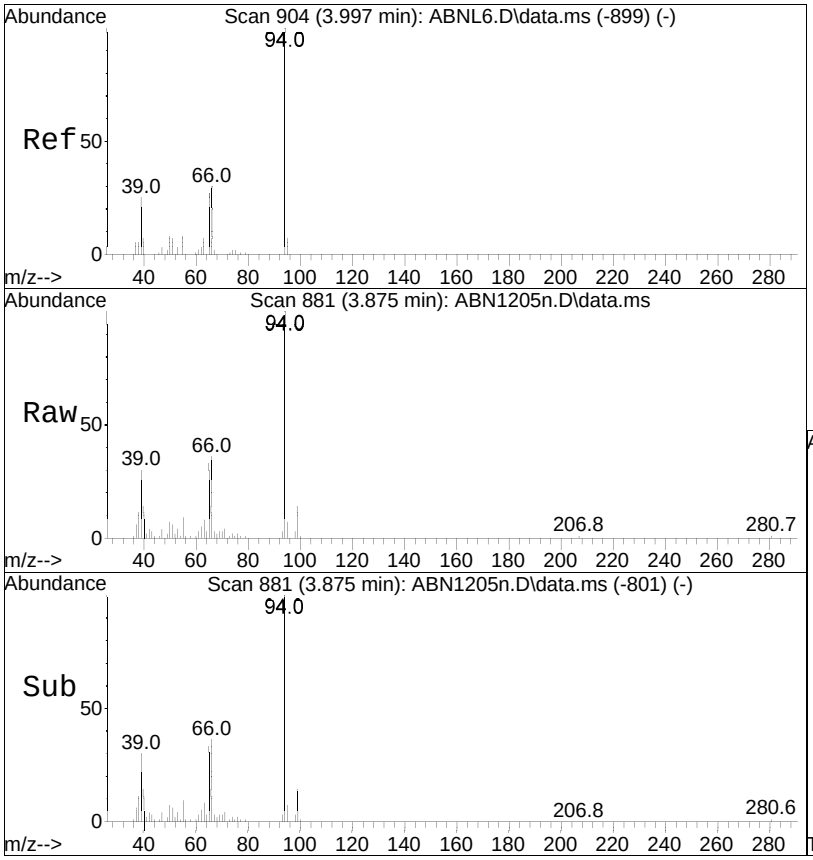


#6
2-Chlorophenol
Concen: 5.01 ug/ml
RT: 3.947 min Scan# 904
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:128 Resp: 31819

Ion	Ratio	Lower	Upper
128	100		
64	43.5	45.1	67.7#
130	31.3	26.2	39.4

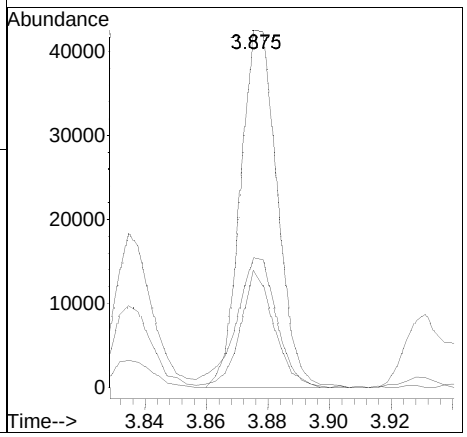


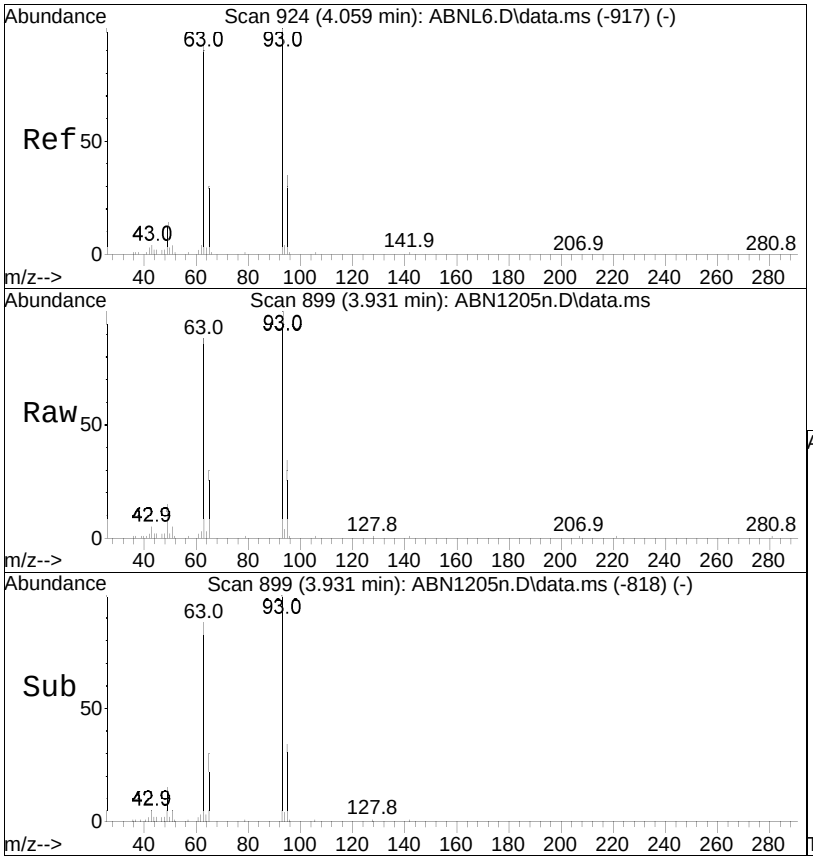


#8
Phenol
Concen: 4.79 ug/ml
RT: 3.875 min Scan# 881
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion: 94 Resp: 35313

Ion	Ratio	Lower	Upper
94	100		
65	30.2	26.0	39.0
66	40.3	33.8	50.8

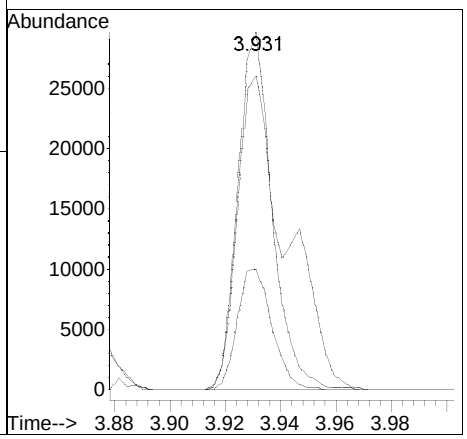


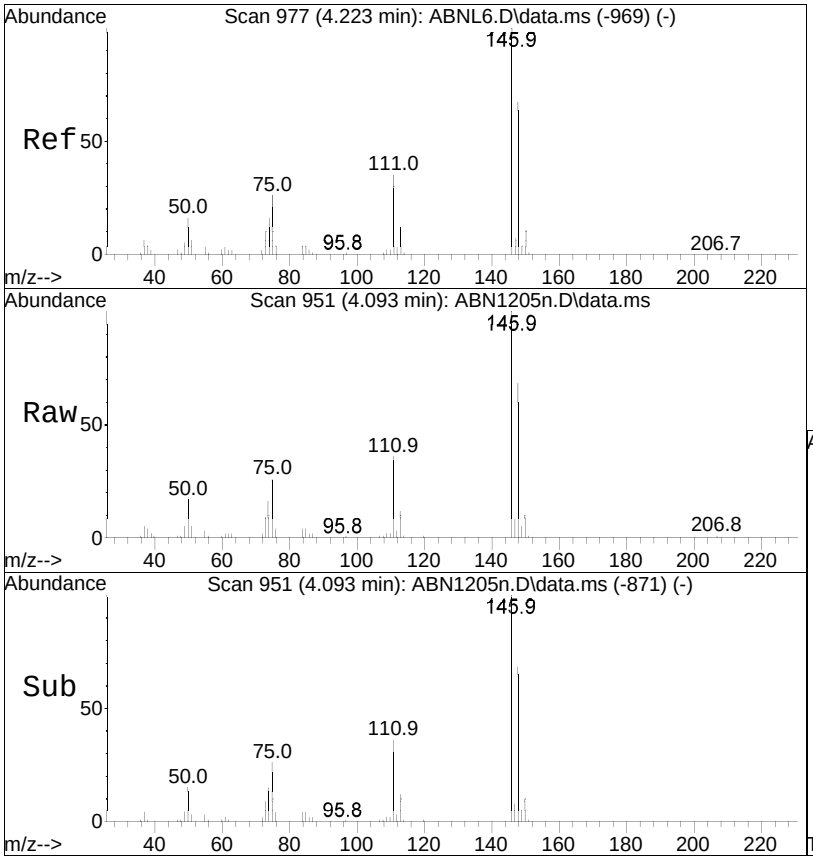


#9
Bis(2-chloroethyl)ether
Concen: 4.83 ug/ml
RT: 3.931 min Scan# 899
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion: 93 Resp: 25475

Ion	Ratio	Lower	Upper
93	100		
63	89.6	74.6	111.8
95	34.1	25.9	38.9

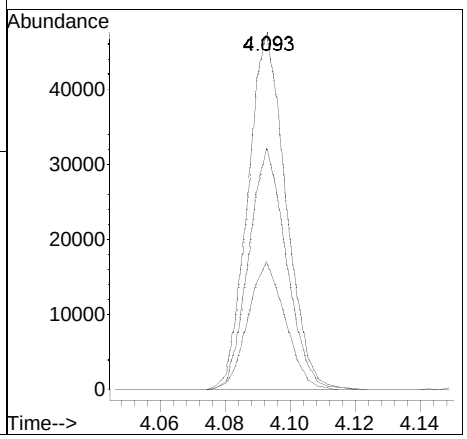


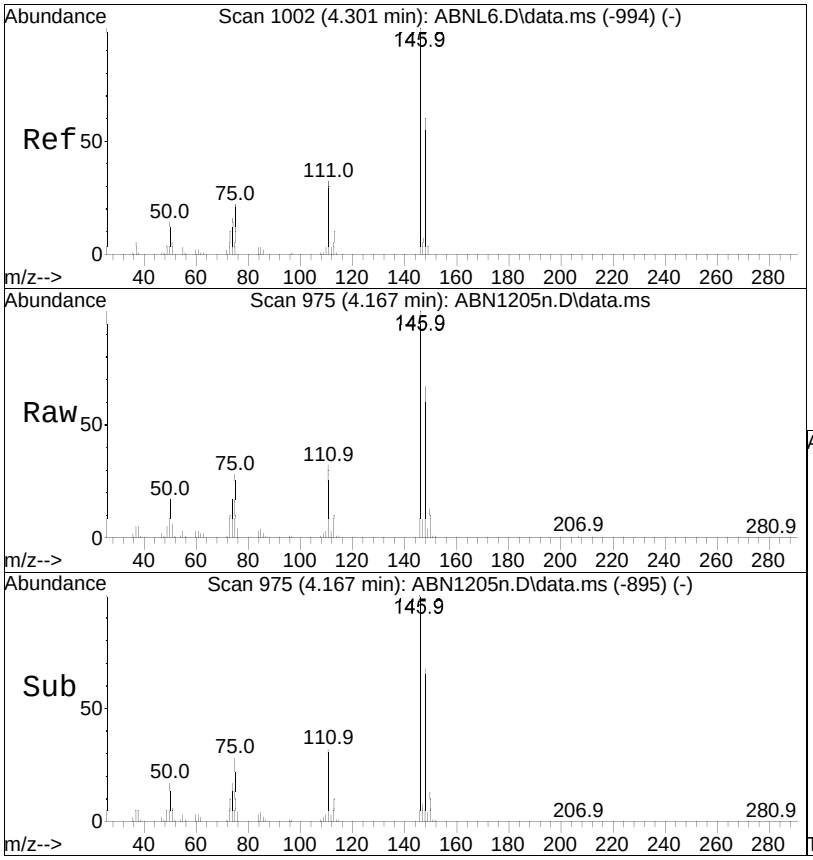


#10
1,3-Dichlorobenzene
Concen: 4.69 ug/ml
RT: 4.093 min Scan# 951
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:146 Resp: 38311

Ion	Ratio	Lower	Upper
146	100		
111	35.4	34.3	51.5
148	67.2	50.8	76.2

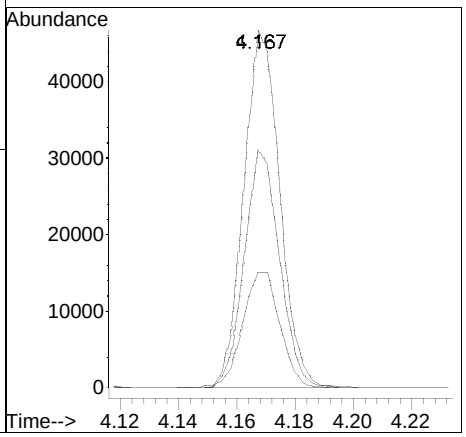


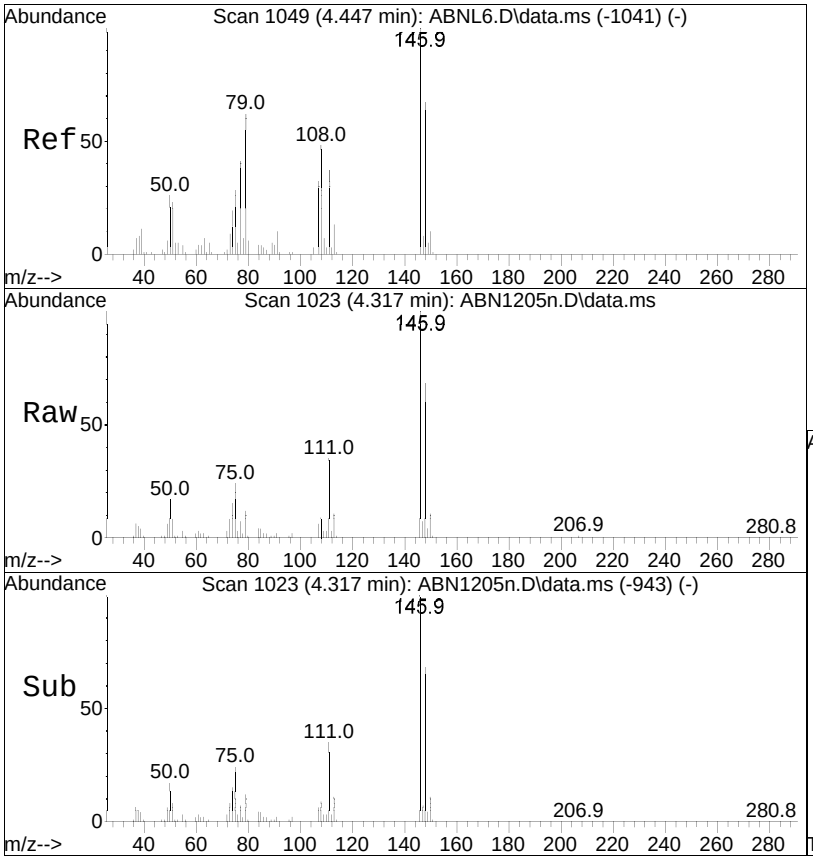


#11
1,4-Dichlorobenzene
Concen: 4.77 ug/ml
RT: 4.167 min Scan# 975
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:146 Resp: 39831

Ion	Ratio	Lower	Upper
146	100		
148	65.2	50.7	76.1
111	33.9	33.4	50.0

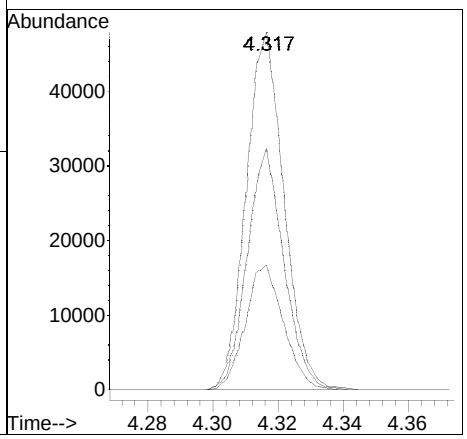


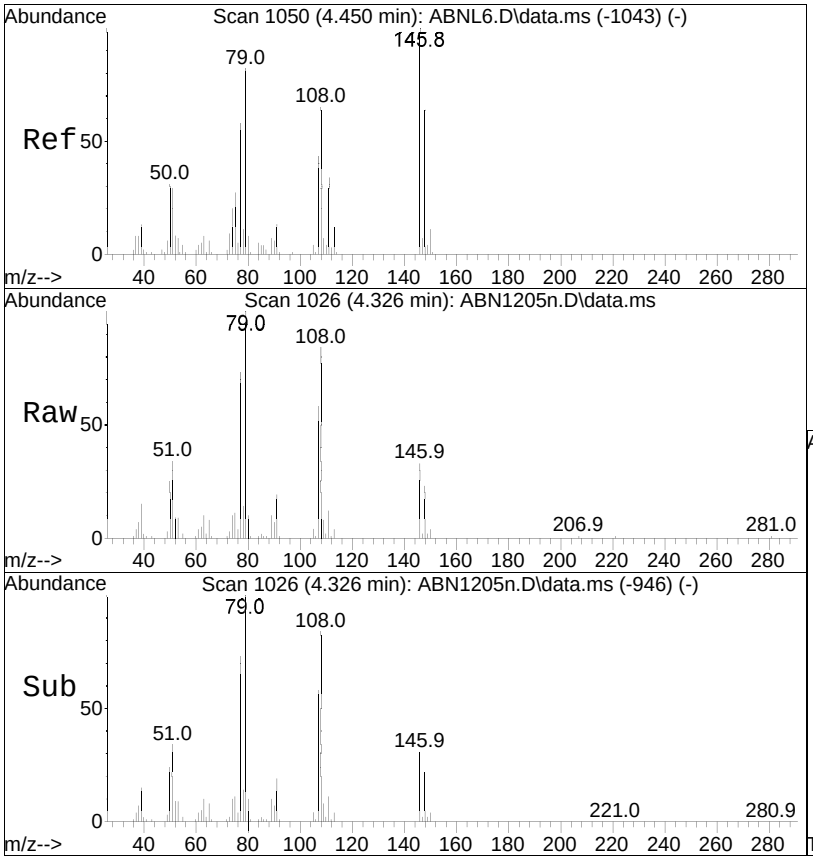


#12
1,2-Dichlorobenzene
Concen: 4.82 ug/ml
RT: 4.317 min Scan# 1023
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:146 Resp: 38335

Ion	Ratio	Lower	Upper
146	100		
111	35.3	34.6	52.0
148	65.6	50.2	75.4

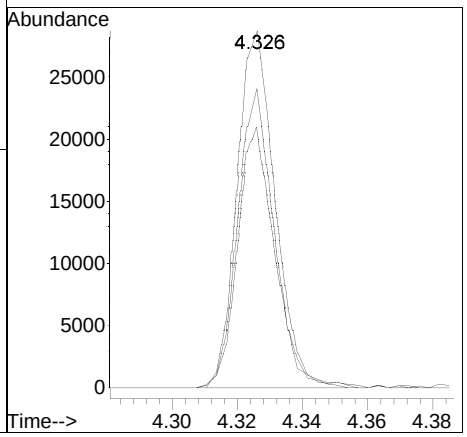


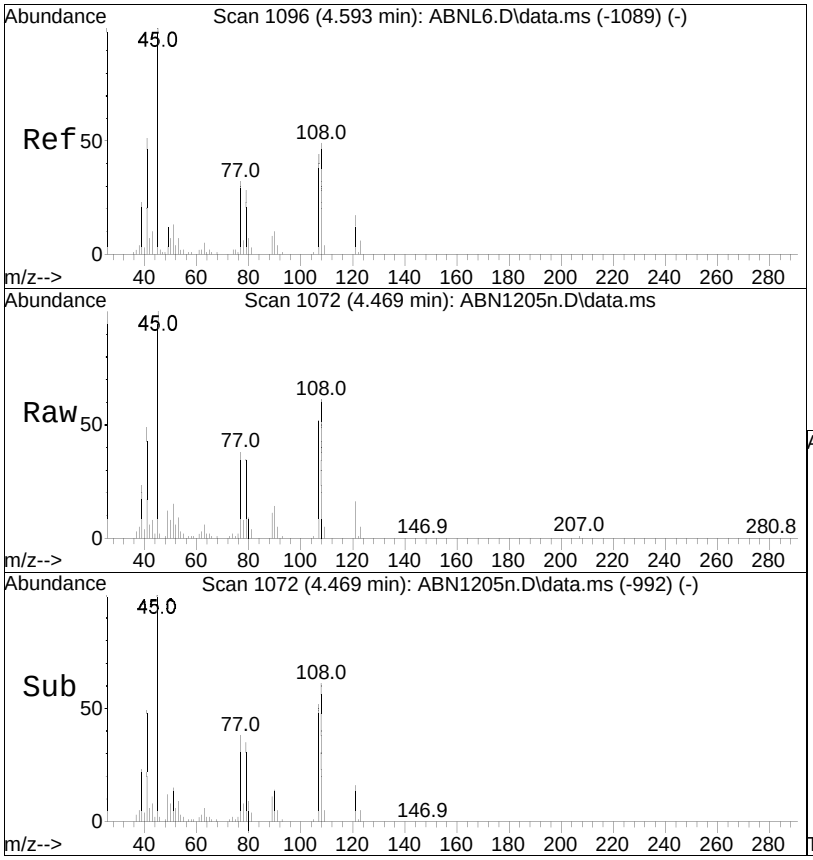


#13
Benzyl alcohol
Concen: 4.85 ug/ml
RT: 4.326 min Scan# 1026
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion: 79 Resp: 23414

Ion	Ratio	Lower	Upper
79	100		
77	70.9	54.9	82.3
108	79.9	63.1	94.7

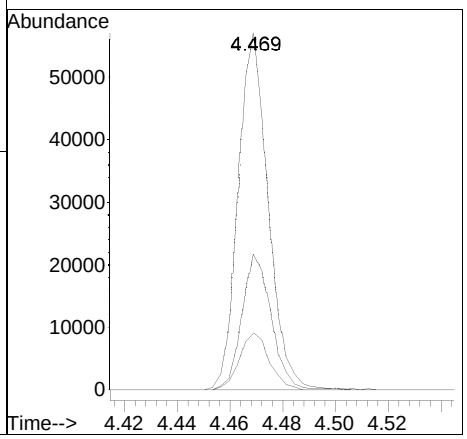


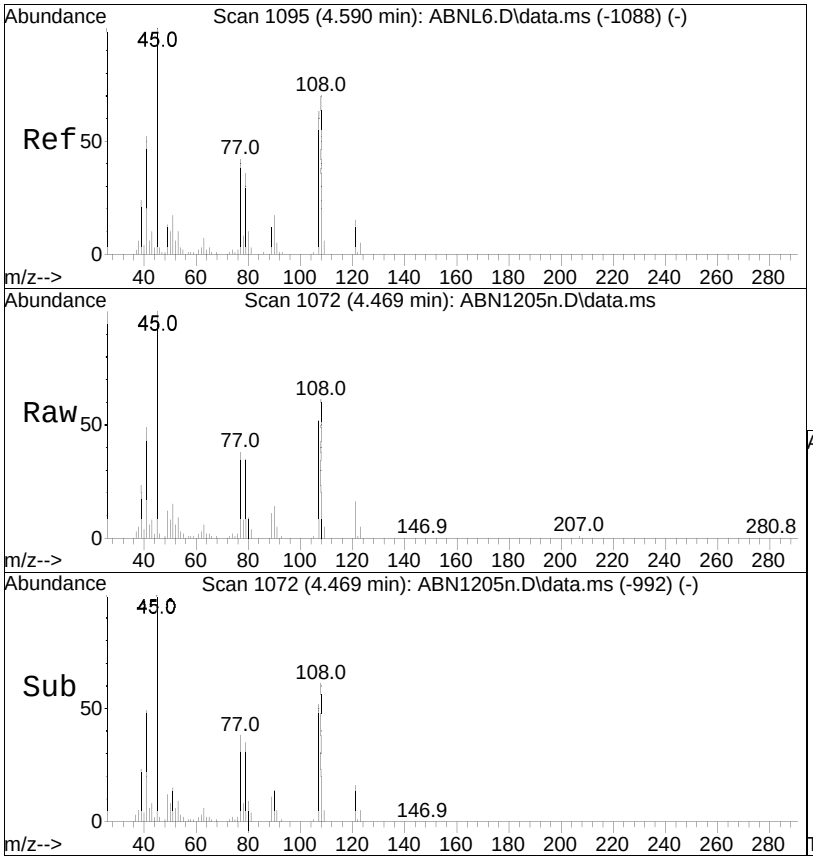


#14
Bis(2-chloroisopropyl)ether
Concen: 4.83 ug/ml
RT: 4.469 min Scan# 1072
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion: 45 Resp: 44976

Ion	Ratio	Lower	Upper
45	100		
121	15.8	9.8	14.6#
77	37.4	6.1	9.1#

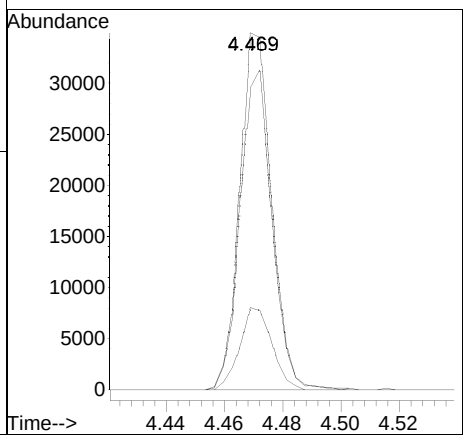


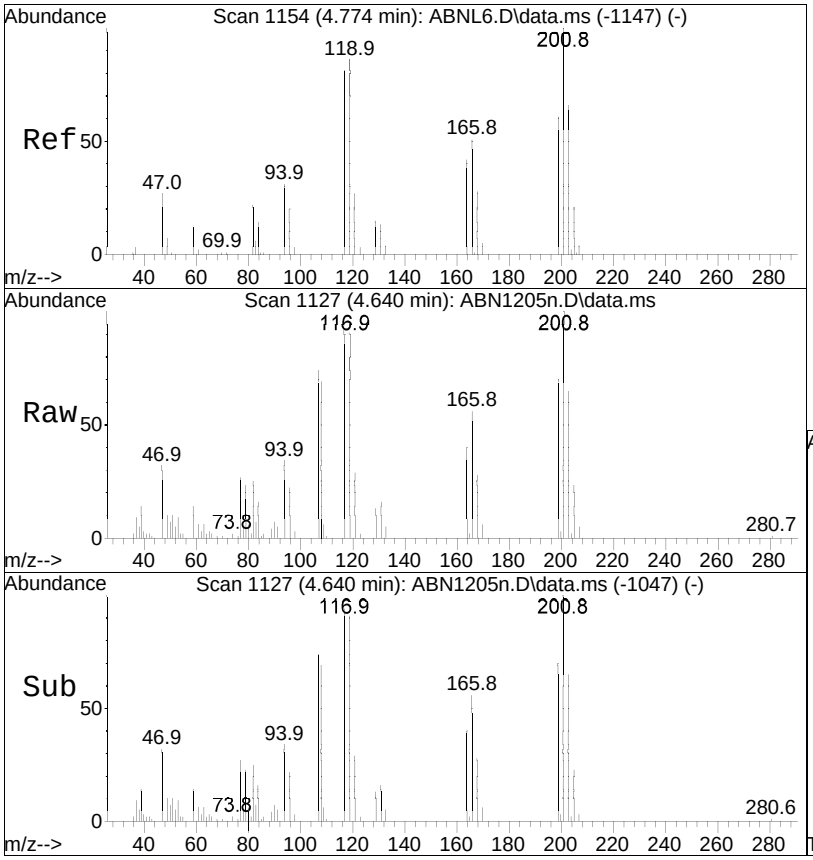


#15
2-Methylphenol
Concen: 4.75 ug/ml
RT: 4.469 min Scan# 1072
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:108 Resp: 26594

Ion	Ratio	Lower	Upper
108	100		
107	89.0	70.7	106.1
90	23.3	18.7	28.1

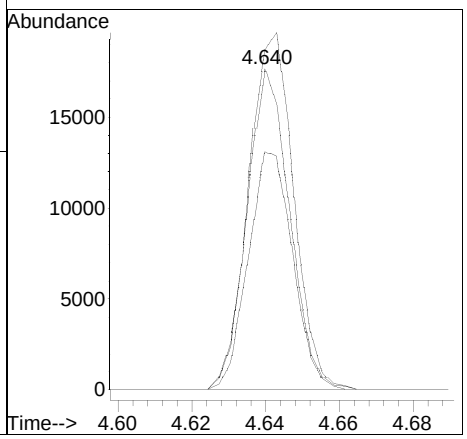


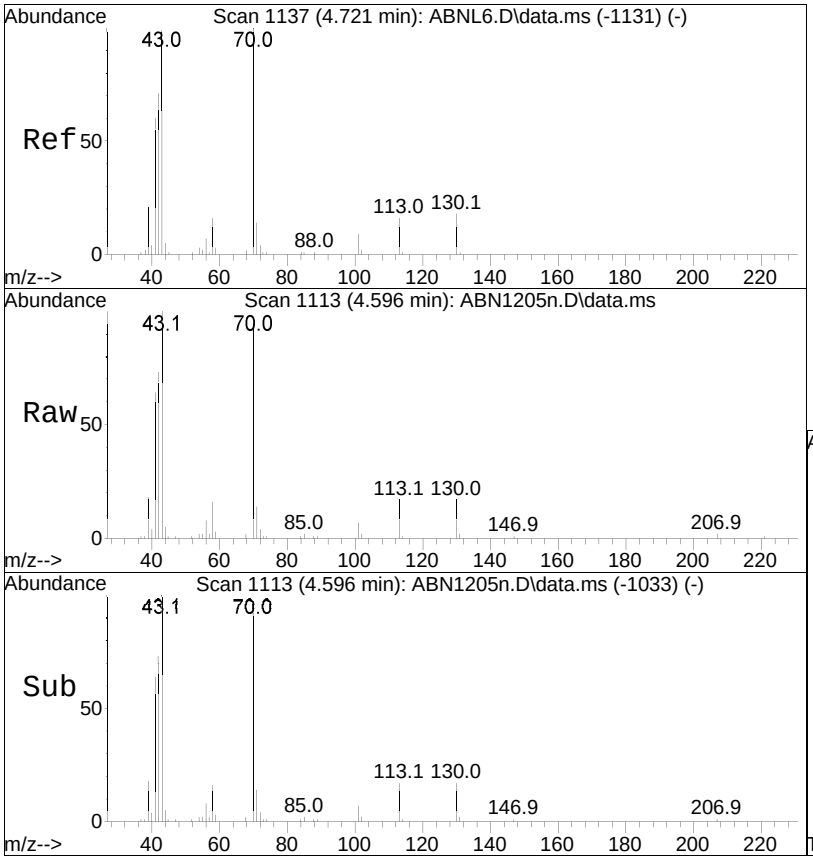


#16
Hexachloroethane
Concen: 4.66 ug/ml
RT: 4.640 min Scan# 1127
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:117 Resp: 14235

Ion	Ratio	Lower	Upper
117	100		
201	117.2	58.6	87.8#
199	77.0	36.9	55.3#

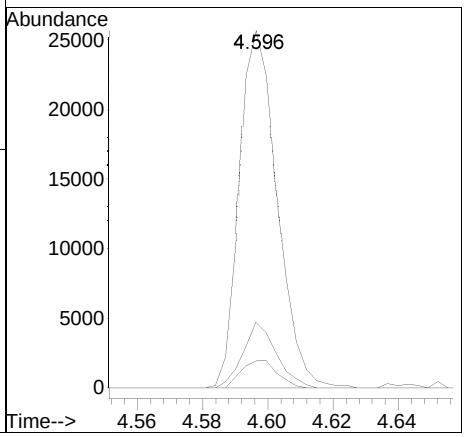


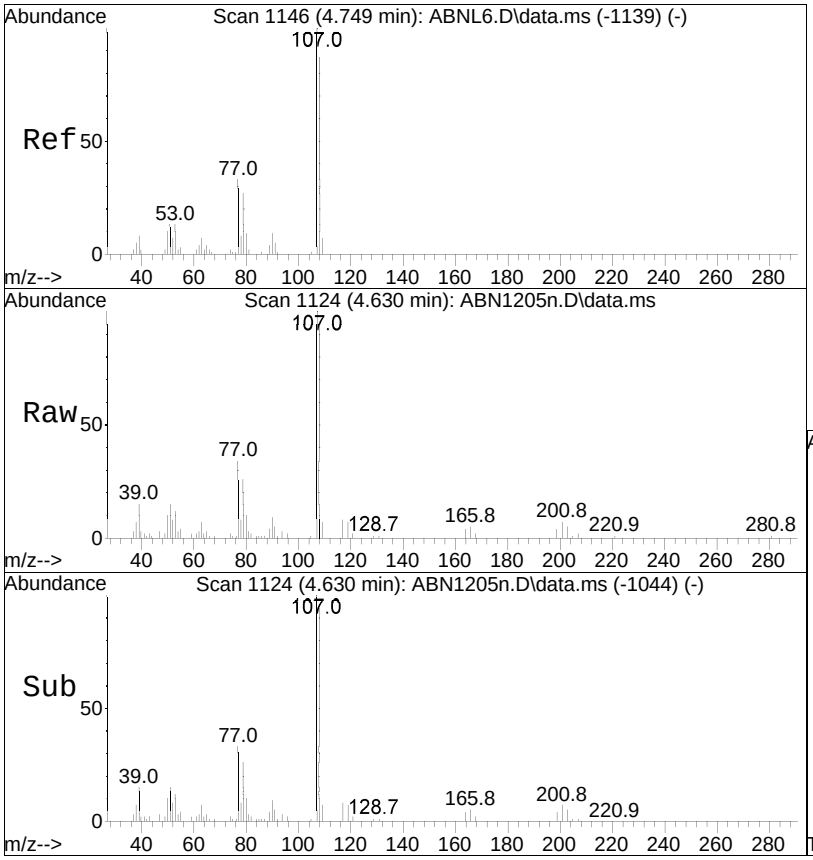


#17
n-Nitrosodi-n-propylamine
Concen: 4.62 ug/ml
RT: 4.596 min Scan# 1113
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion: 70 Resp: 20690

Ion	Ratio	Lower	Upper
70	100		
130	16.2	18.2	27.4#
101	7.3	7.8	11.8#

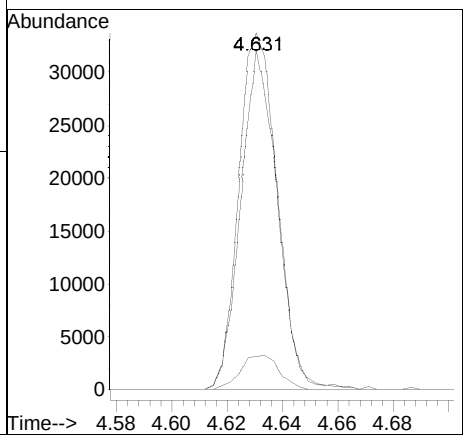


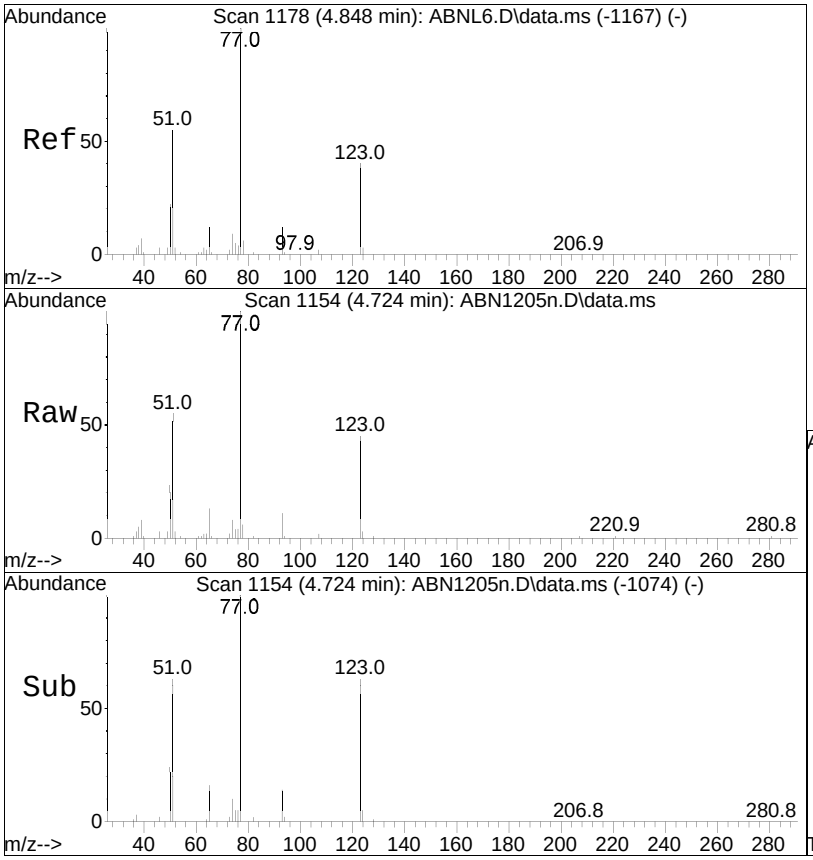


#18
3-Methylphenol/4-Methylphenol
Concen: 4.78 ug/ml
RT: 4.630 min Scan# 1124
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:108 Resp: 29342

Ion	Ratio	Lower	Upper
108	100		
107	111.1	88.6	132.8
90	10.7	8.8	13.2

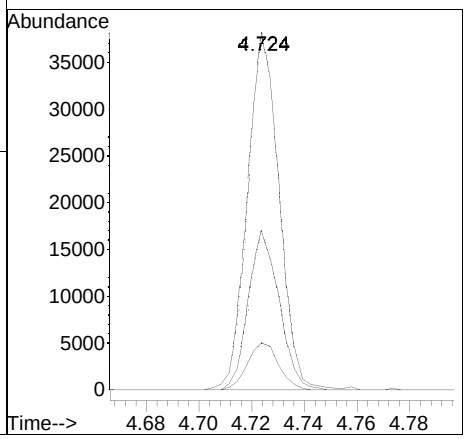


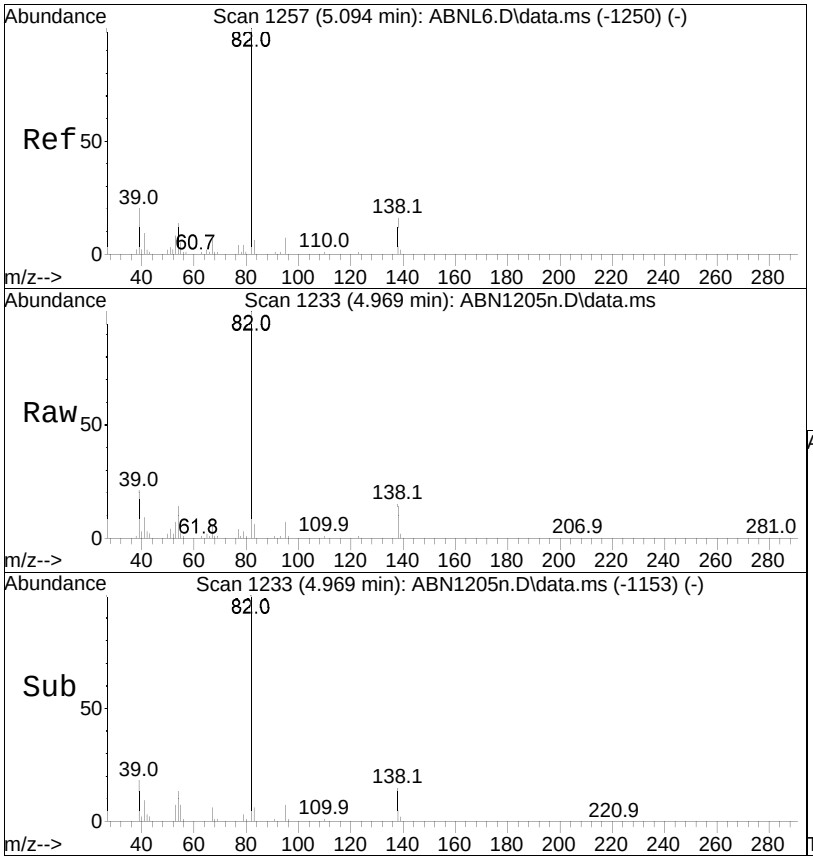


#20
Nitrobenzene
Concen: 4.99 ug/ml
RT: 4.724 min Scan# 1154
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion: 77 Resp: 31608

Ion	Ratio	Lower	Upper
77	100		
123	43.3	36.3	54.5
65	13.1	11.6	17.4

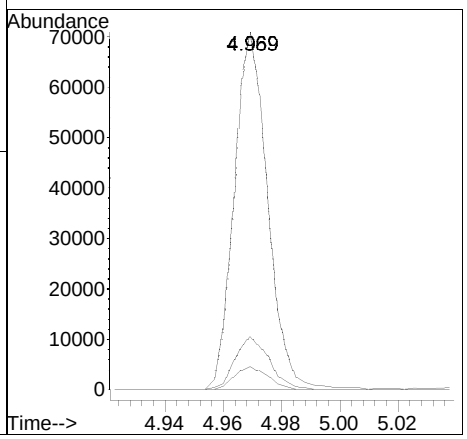


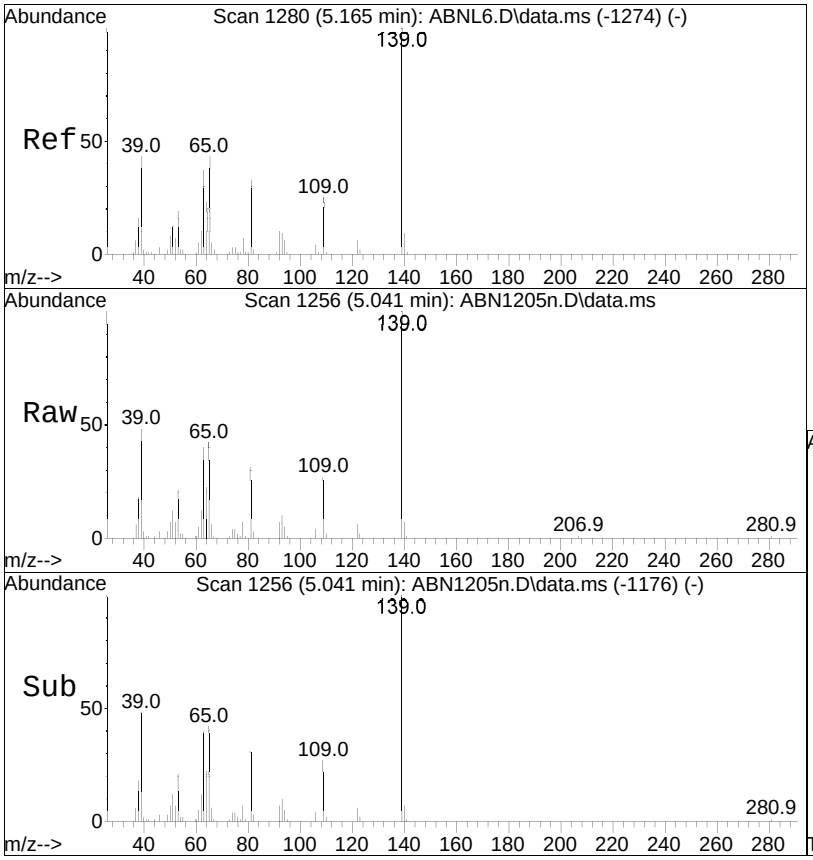


#21
Isophorone
Concen: 4.81 ug/ml
RT: 4.969 min Scan# 1233
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion: 82 Resp: 55998

Ion	Ratio	Lower	Upper
82	100		
138	15.2	14.7	22.1
95	6.4	5.2	7.8

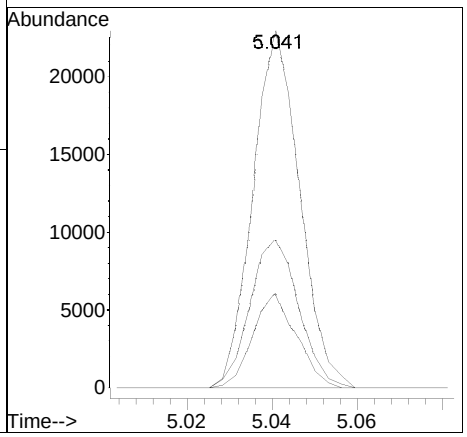


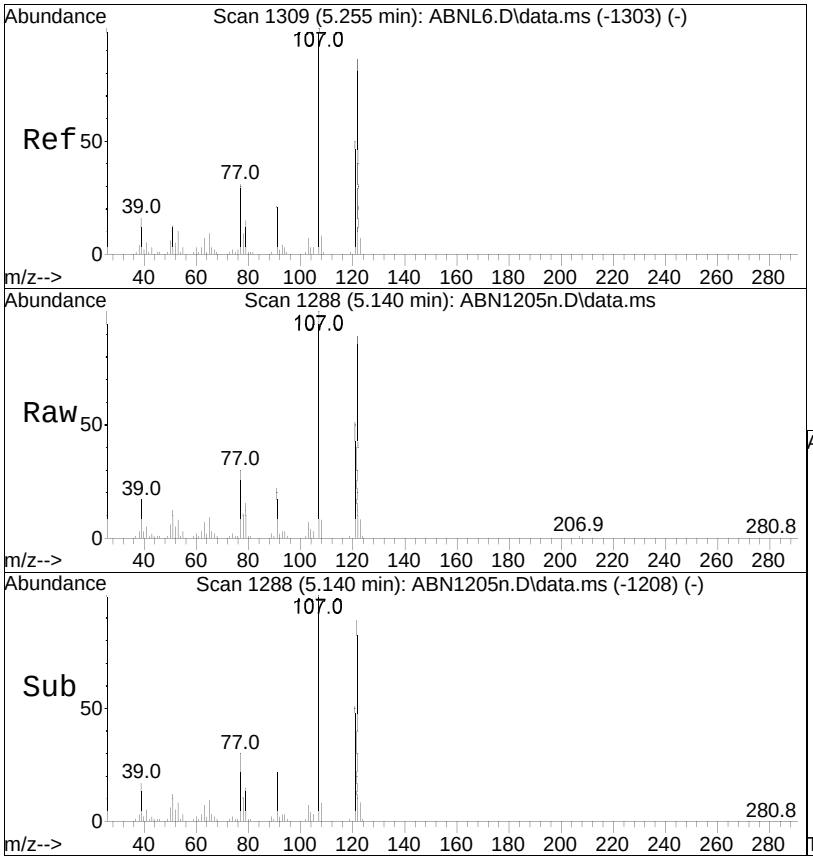


#22
2-Nitrophenol
Concen: 5.41 ug/ml
RT: 5.041 min Scan# 1256
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:139 Resp: 17371

Ion	Ratio	Lower	Upper
139	100		
109	24.8	19.4	29.0
65	43.4	46.1	69.1#

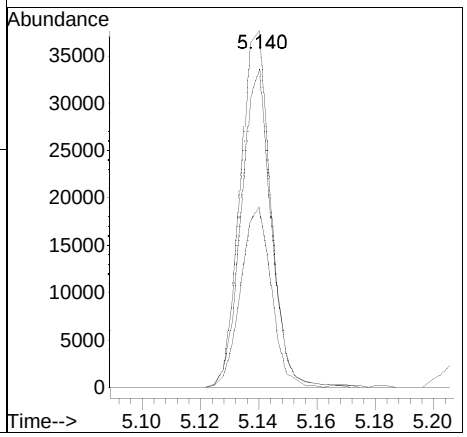


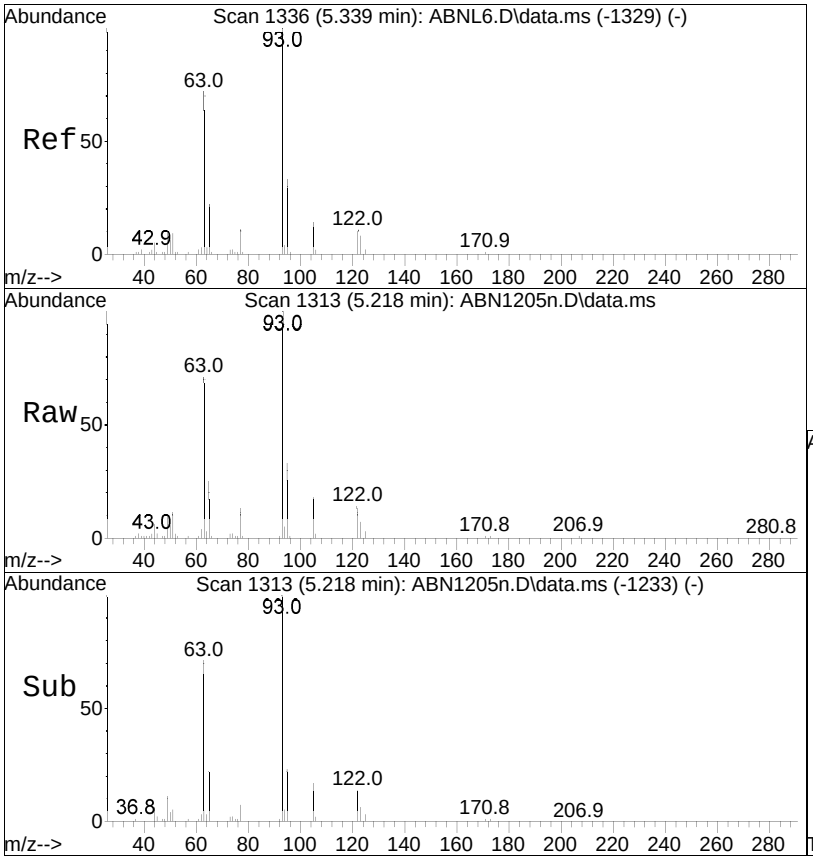


#23
2,4-Dimethylphenol
Concen: 4.80 ug/ml
RT: 5.140 min Scan# 1288
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:107 Resp: 27423

Ion	Ratio	Lower	Upper
107	100		
121	50.7	40.0	60.0
122	87.3	70.2	105.4

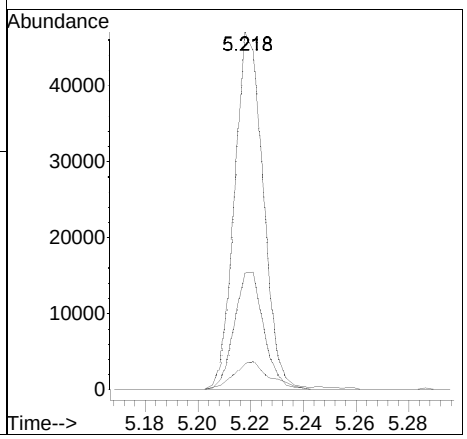


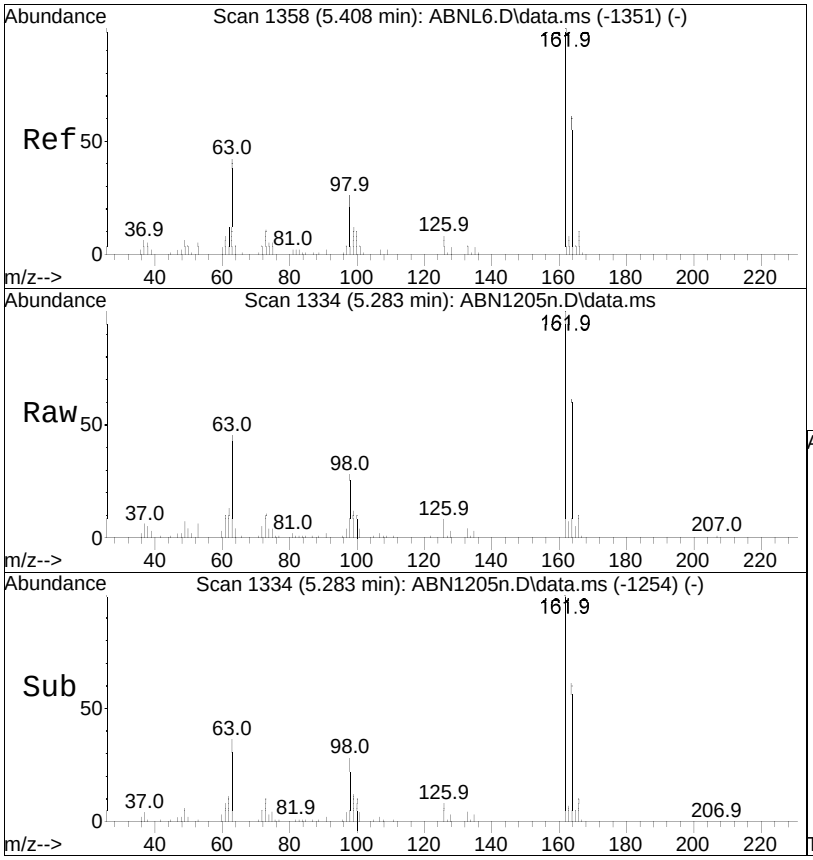


#24
Bis(2-chloroethoxy)methane
Concen: 4.88 ug/ml
RT: 5.218 min Scan# 1313
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion: 93 Resp: 35456

Ion	Ratio	Lower	Upper
93	100		
95	33.6	25.8	38.8
123	9.7	10.1	15.1#

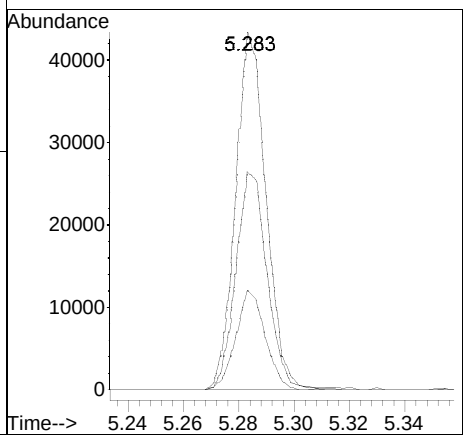


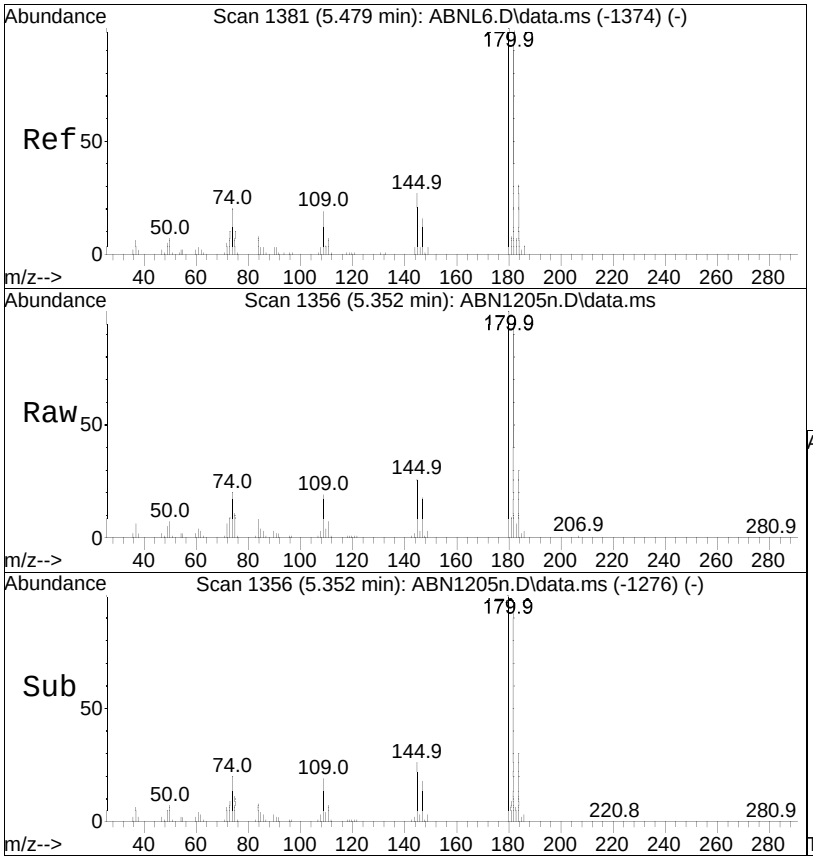


#25
2,4-Dichlorophenol
Concen: 4.96 ug/ml
RT: 5.283 min Scan# 1334
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:162 Resp: 33049

Ion	Ratio	Lower	Upper
162	100		
164	62.3	51.0	76.4
98	26.9	32.2	48.2#

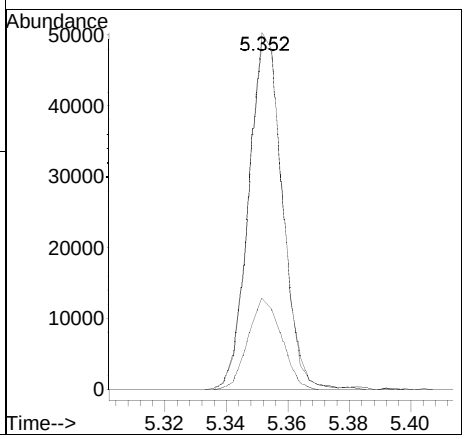


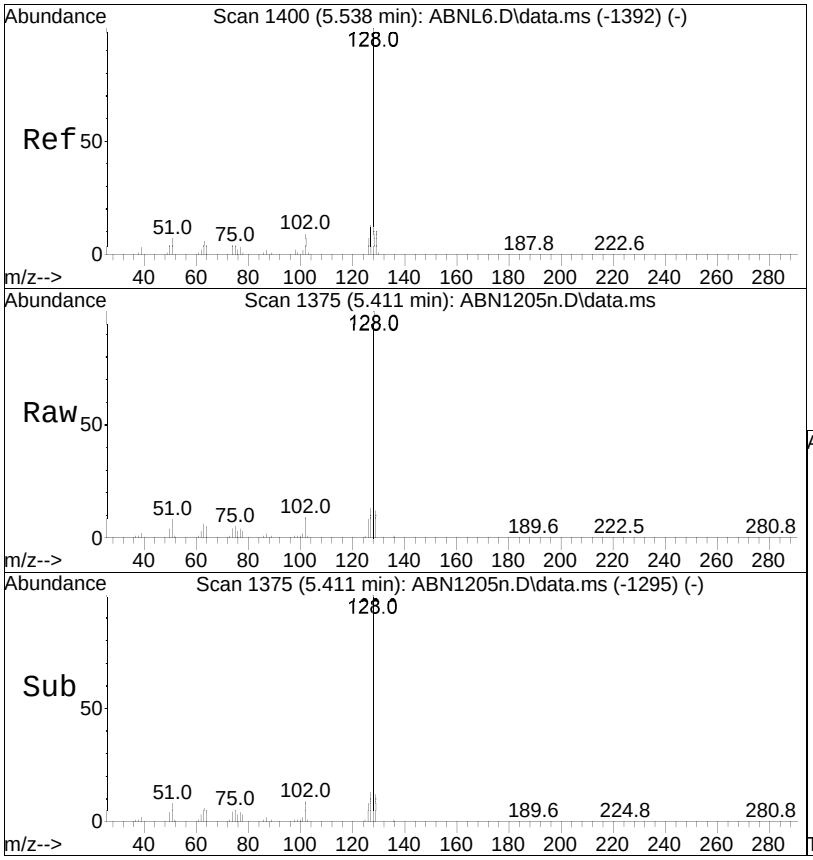


#26
1,2,4-Trichlorobenzene
Concen: 4.76 ug/ml
RT: 5.352 min Scan# 1356
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:180 Resp: 38359

Ion	Ratio	Lower	Upper
180	100		
182	98.6	76.0	114.0
145	25.6	25.7	38.5#

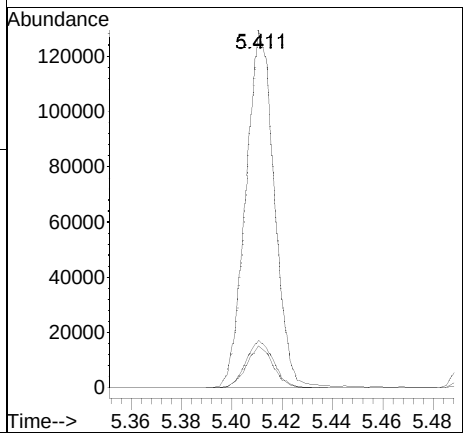


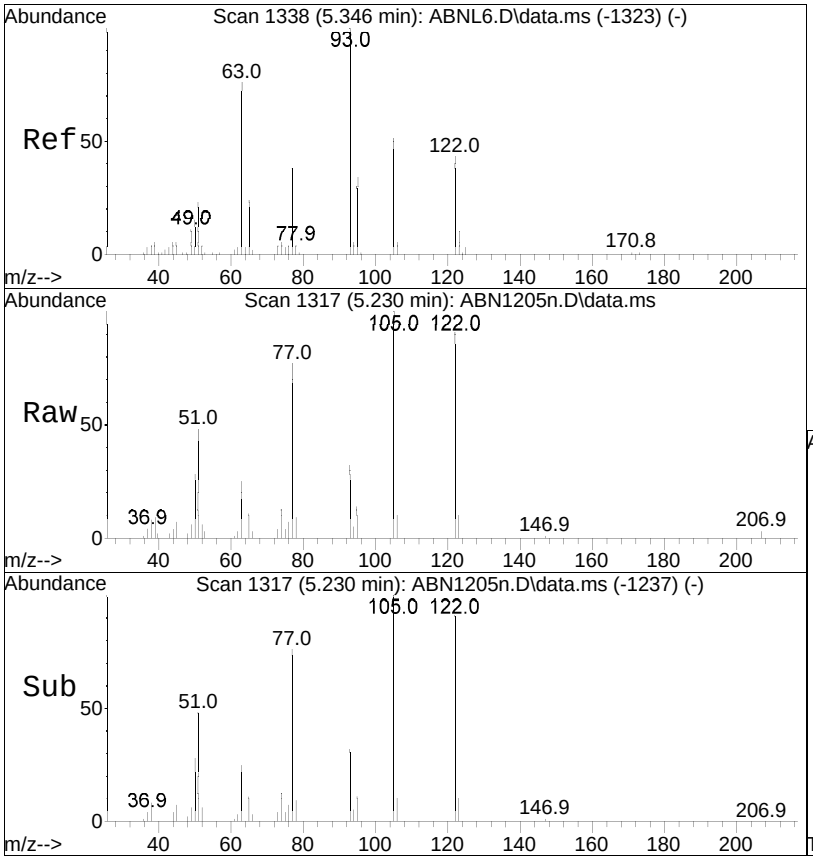


#38
Naphthalene
Concen: 4.61 ug/ml
RT: 5.411 min Scan# 1375
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:128 Resp: 100865

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.0	10.3	15.5

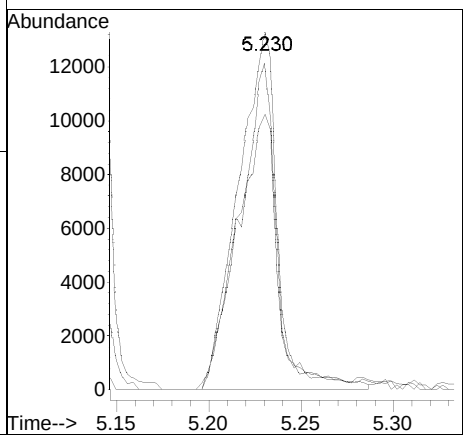


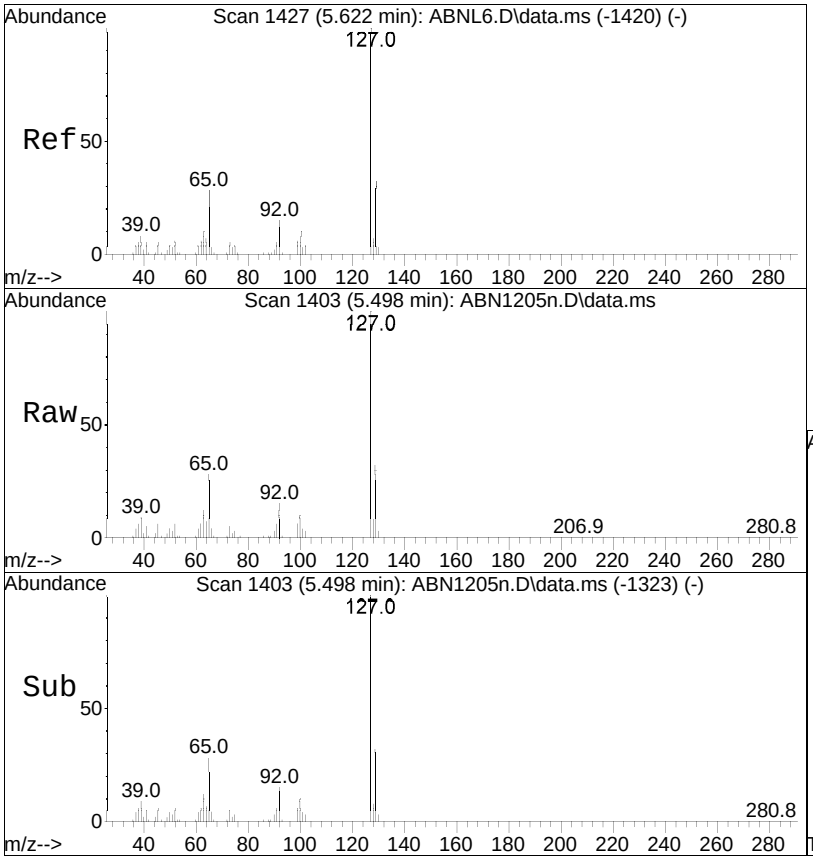


#39
Benzoic Acid
Concen: 4.35 ug/ml
RT: 5.230 min Scan# 1317
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:105 Resp: 19709

Ion	Ratio	Lower	Upper
105	100		
122	86.6	59.9	89.9
77	76.9	60.1	90.1

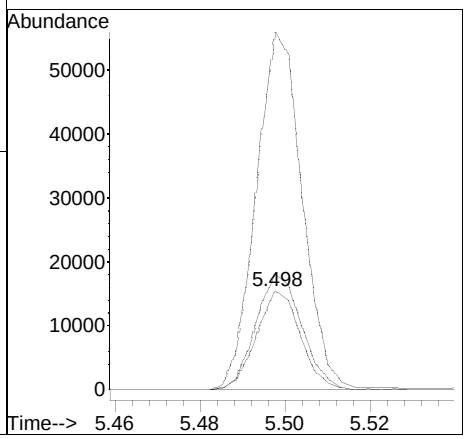


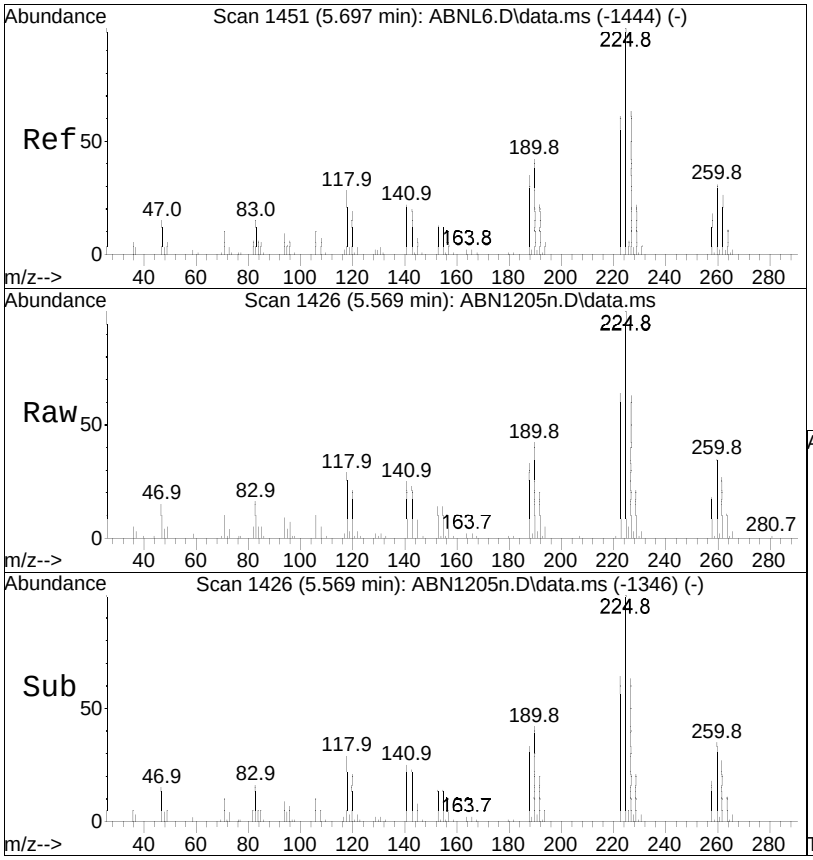


#40
4-Chloroaniline
Concen: 4.63 ug/ml
RT: 5.498 min Scan# 1403
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion: 65 Resp: 11133

Ion	Ratio	Lower	Upper
65	100		
127	376.9	237.6	356.4#
129	122.3	76.3	114.5#

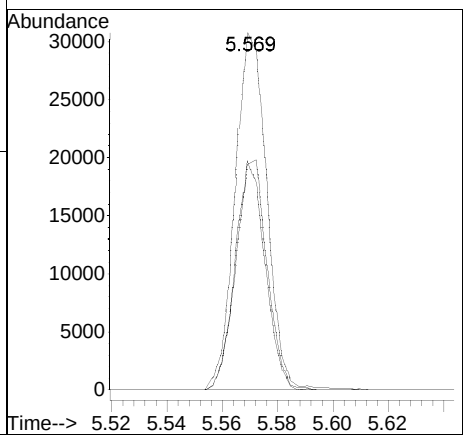


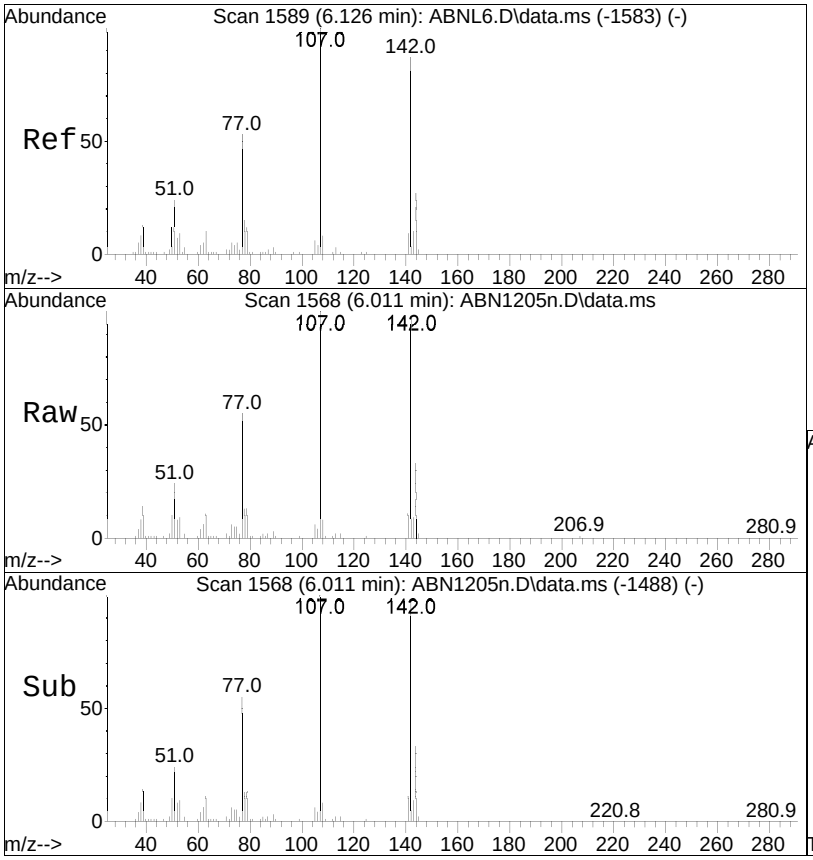


#41
Hexachlorobutadiene
Concen: 4.77 ug/ml
RT: 5.569 min Scan# 1426
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:225 Resp: 24522

Ion	Ratio	Lower	Upper
225	100		
223	59.5	50.3	75.5
227	64.4	52.2	78.2

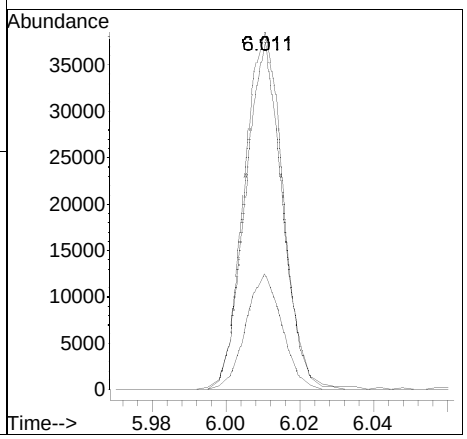


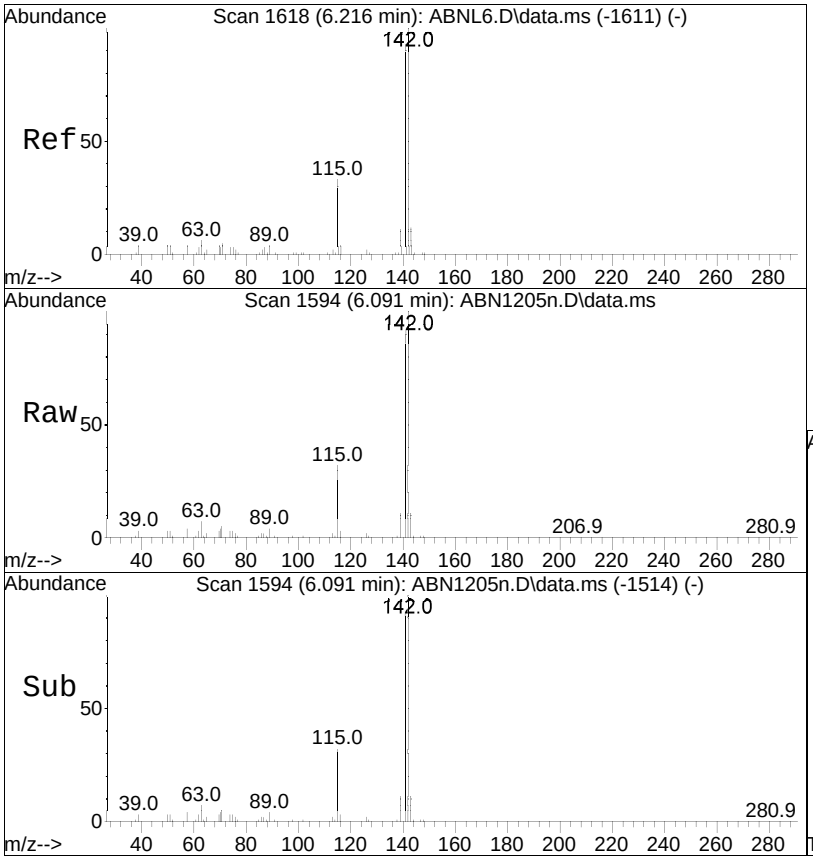


#42
p-Chloro-m-cresol
Concen: 4.84 ug/ml
RT: 6.011 min Scan# 1568
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:107 Resp: 27941

Ion	Ratio	Lower	Upper
107	100		
144	30.4	20.9	31.3
142	92.9	66.1	99.1

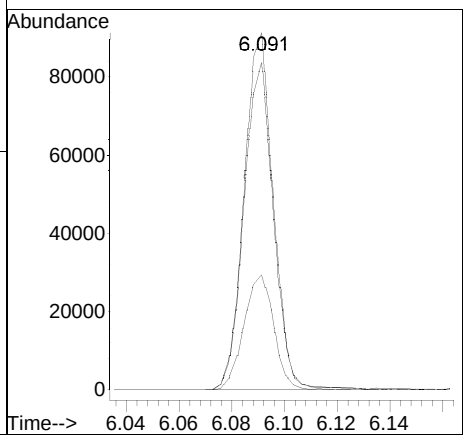


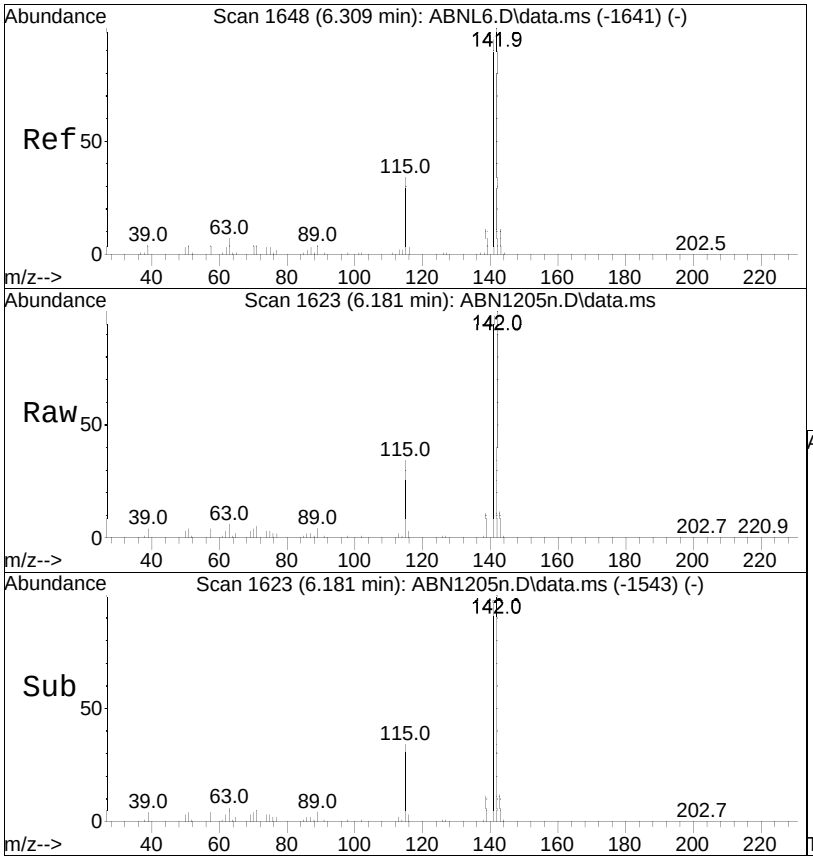


#43
2-Methylnaphthalene
Concen: 4.66 ug/ml
RT: 6.091 min Scan# 1594
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:142 Resp: 70542

Ion	Ratio	Lower	Upper
142	100		
141	92.0	69.6	104.4
115	33.0	26.6	40.0

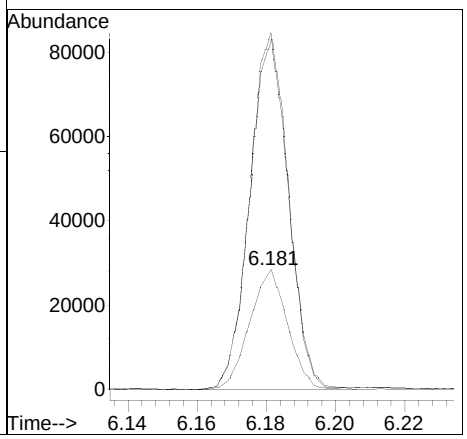


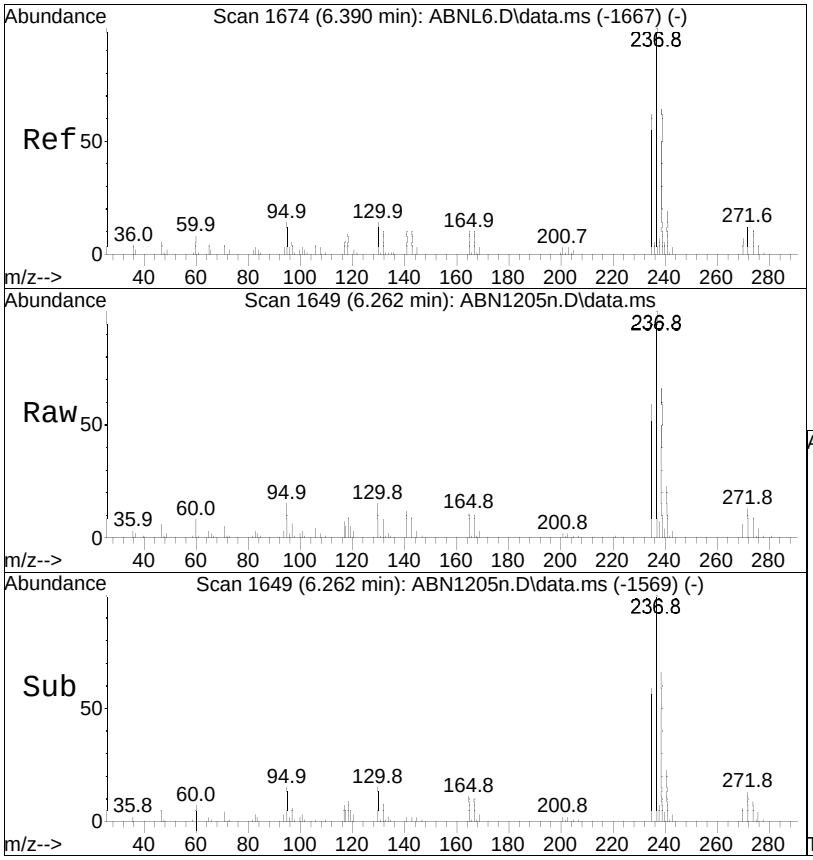


#44
1-Methylnaphthalene
Concen: 4.55 ug/ml
RT: 6.181 min Scan# 1623
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:115 Resp: 21926

Ion	Ratio	Lower	Upper
115	100		
141	296.3	207.8	311.6
142	304.2	226.8	340.2

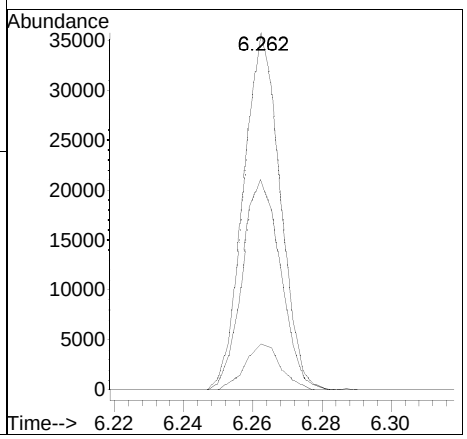


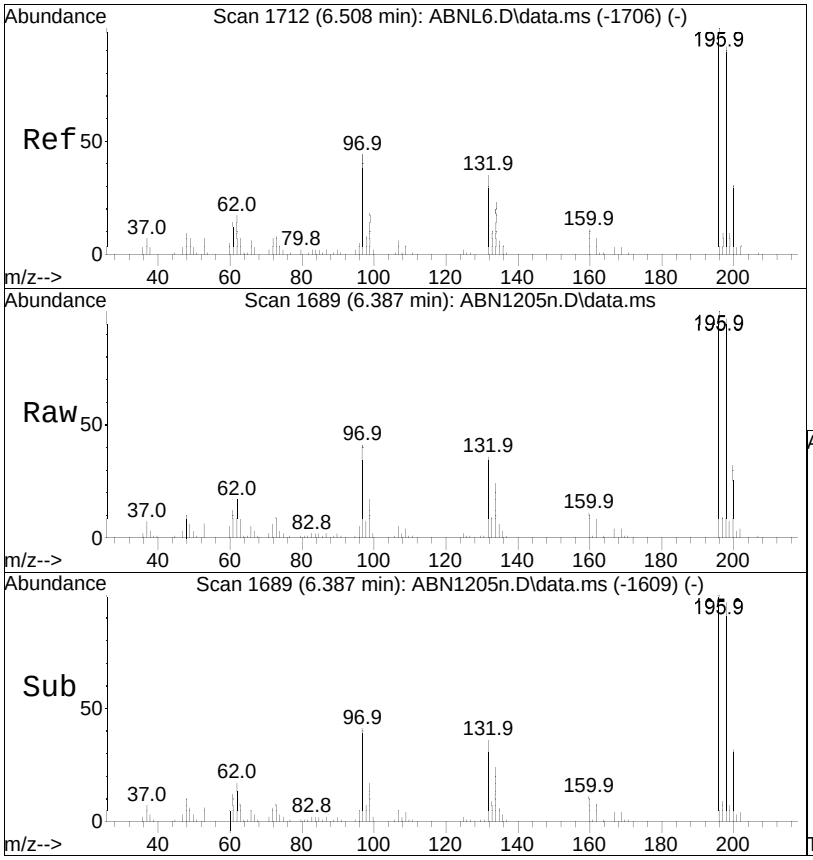


#45
Hexachlorocyclopentadiene
Concen: 4.86 ug/ml
RT: 6.262 min Scan# 1649
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:237 Resp: 26344

Ion	Ratio	Lower	Upper
237	100		
235	61.7	49.7	74.5
272	12.6	9.8	14.6

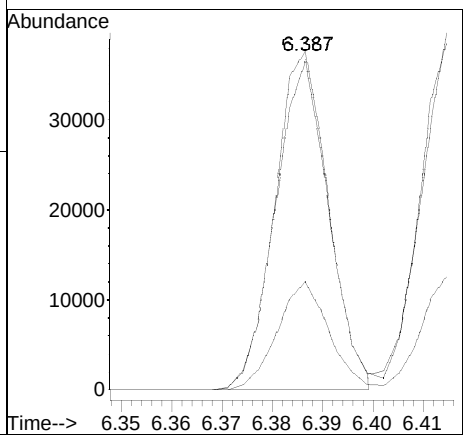


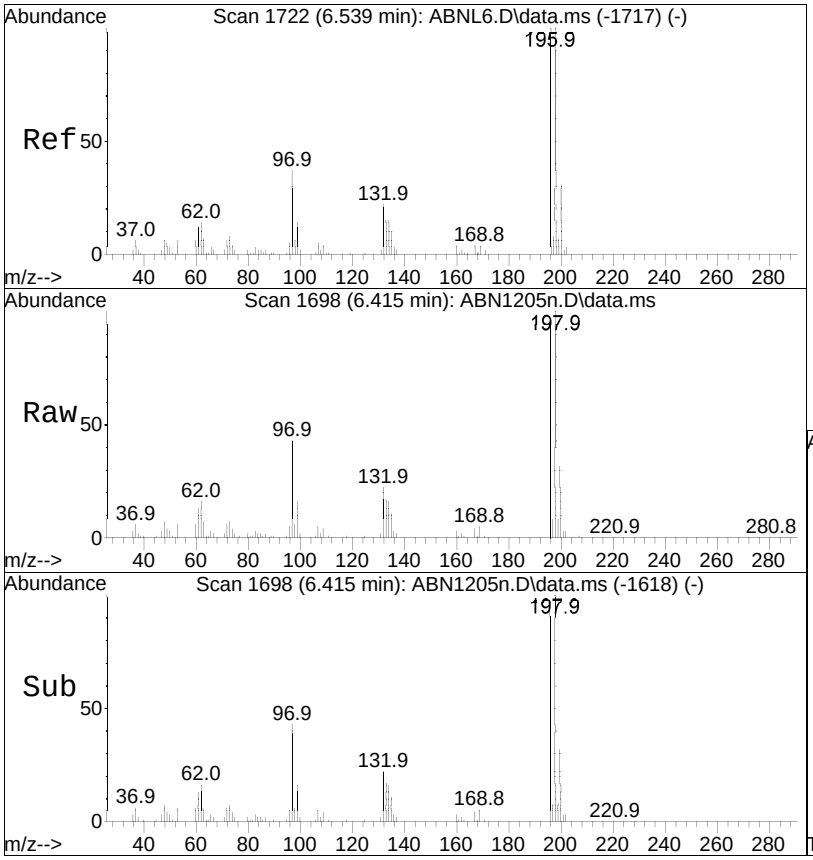


#46
2,4,6-Trichlorophenol
Concen: 4.90 ug/ml
RT: 6.387 min Scan# 1689
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:196 Resp: 27925

Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.5	116.3
200	31.0	23.8	35.6

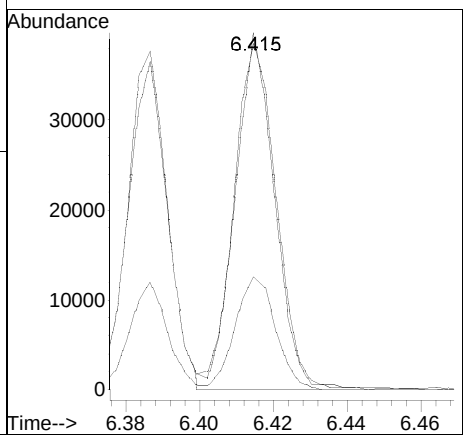


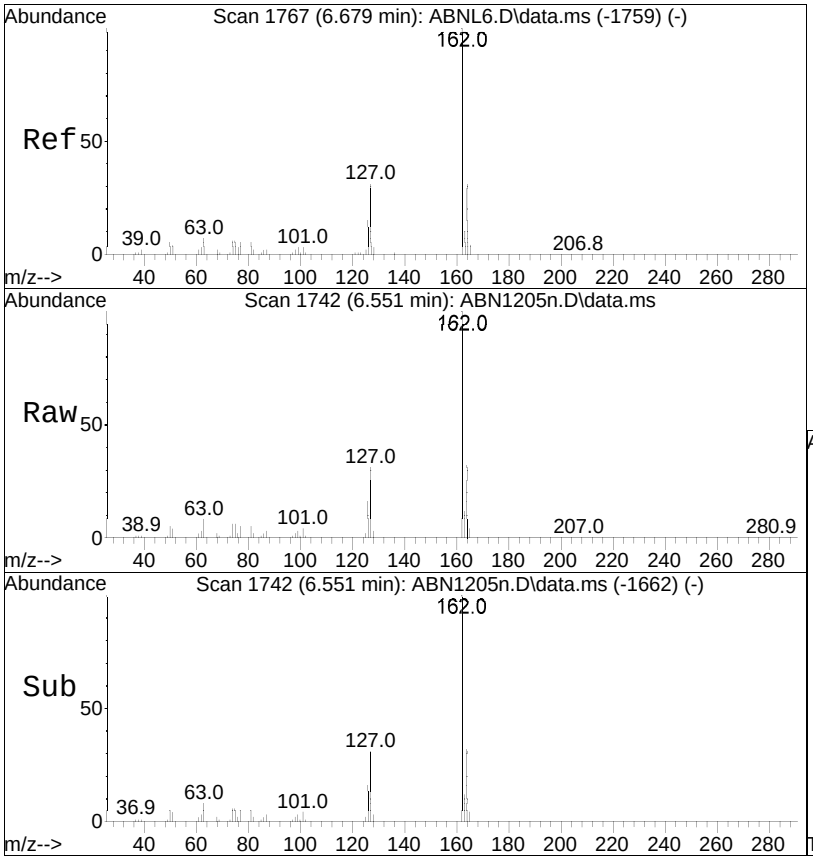


#47
2,4,5-Trichlorophenol
Concen: 4.84 ug/ml
RT: 6.415 min Scan# 1698
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:196 Resp: 30892

Ion	Ratio	Lower	Upper
196	100		
200	30.9	25.4	38.0
198	92.5	78.0	117.0

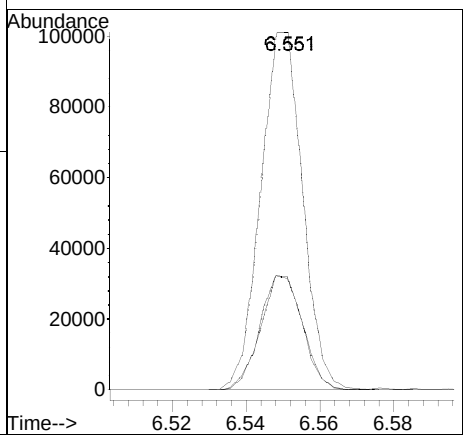


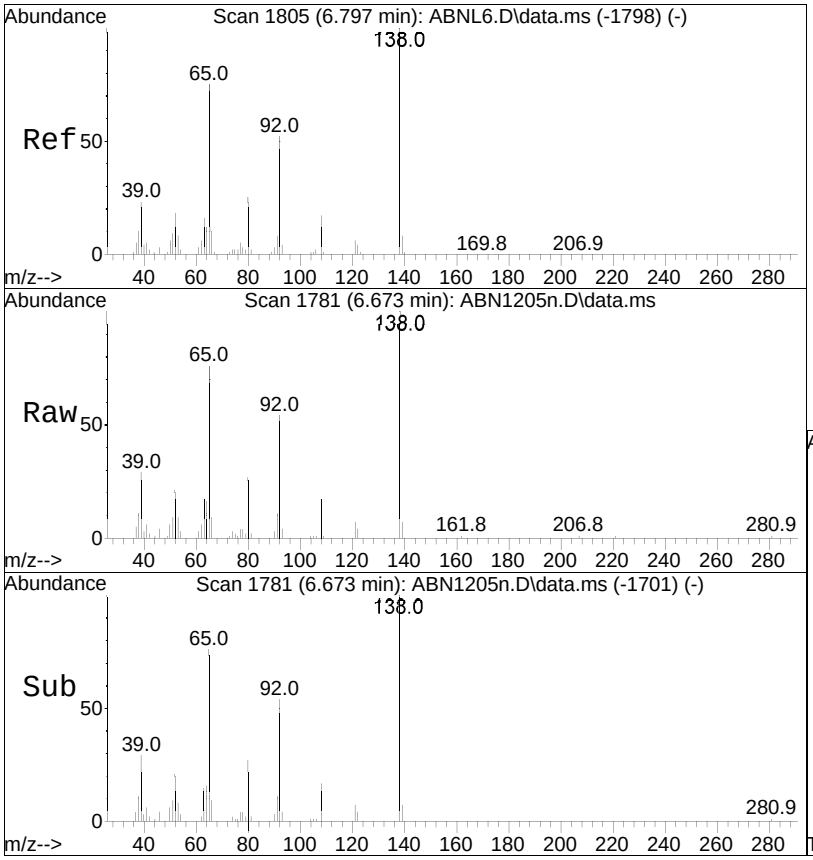


#49
2-Chloronaphthalene
Concen: 4.66 ug/ml
RT: 6.551 min Scan# 1742
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:162 Resp: 79140

Ion	Ratio	Lower	Upper
162	100		
127	32.6	32.2	48.4
164	32.4	25.7	38.5

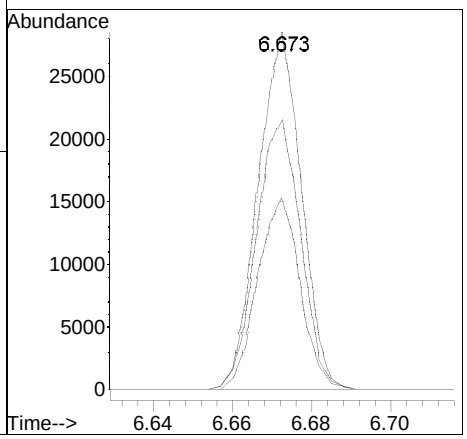


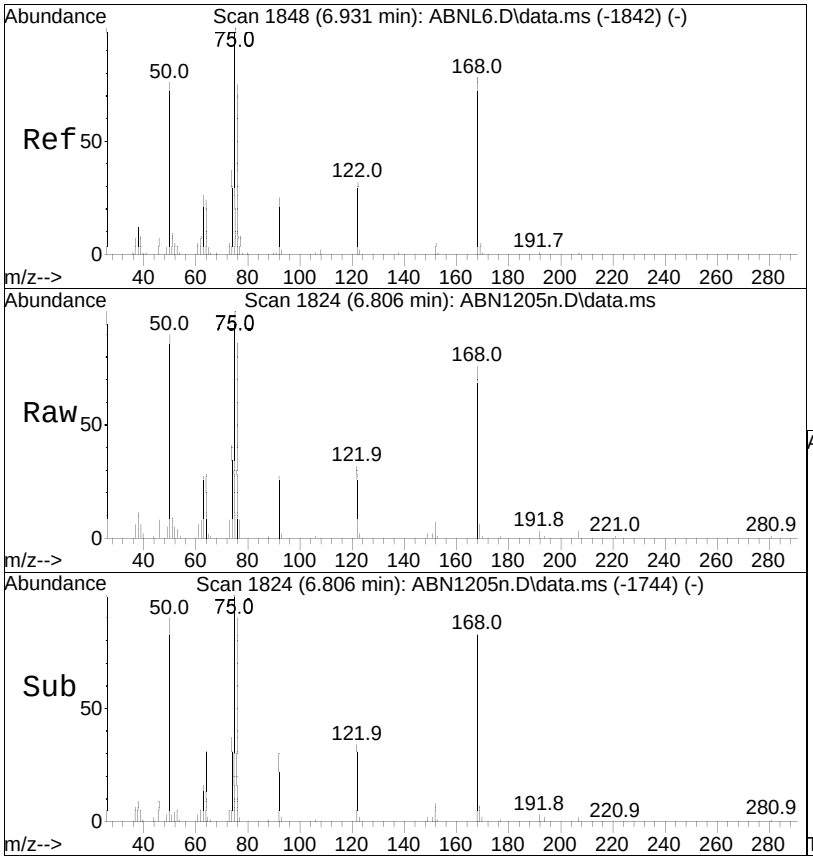


#50
2-Nitroaniline
Concen: 4.96 ug/ml
RT: 6.673 min Scan# 1781
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:138 Resp: 21537

Ion	Ratio	Lower	Upper
138	100		
92	52.9	53.5	80.3#
65	77.4	86.3	129.5#

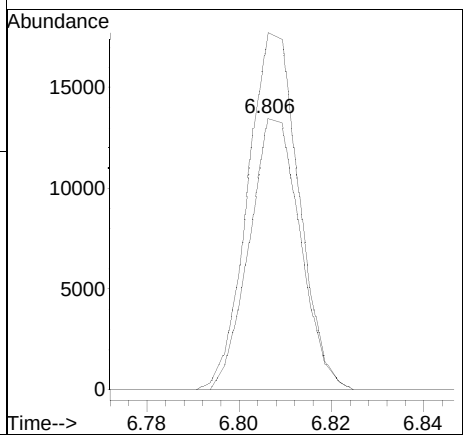


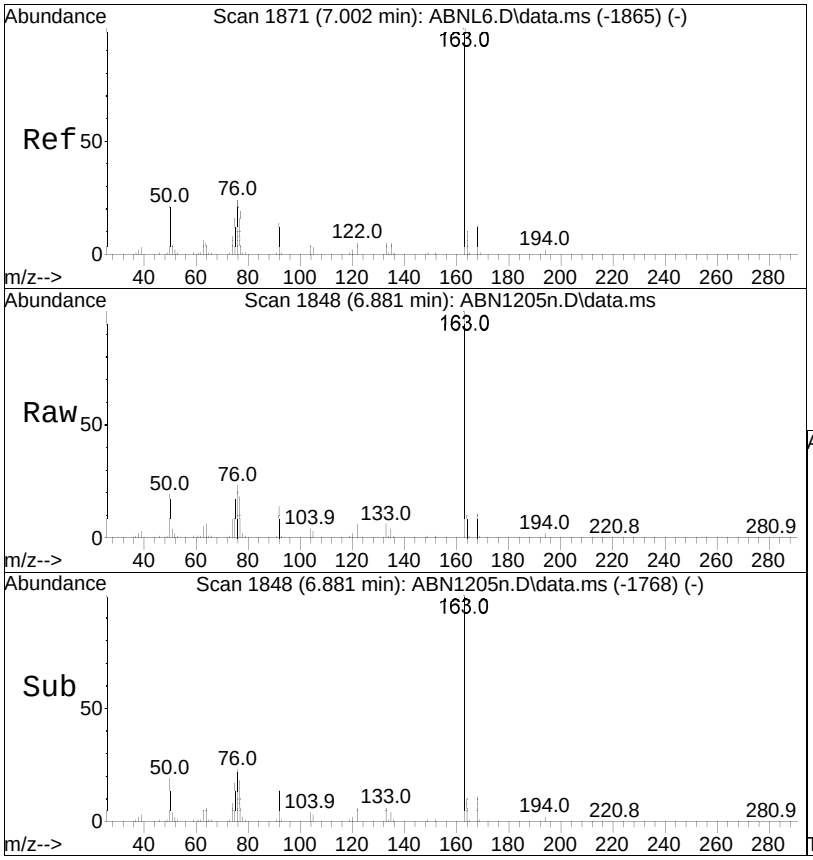


#51
1,4-Dinitrobenzene
Concen: 5.48 ug/ml
RT: 6.806 min Scan# 1824
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:168 Resp: 10335

Ion	Ratio	Lower	Upper
168	100		
75	132.2	121.8	182.8

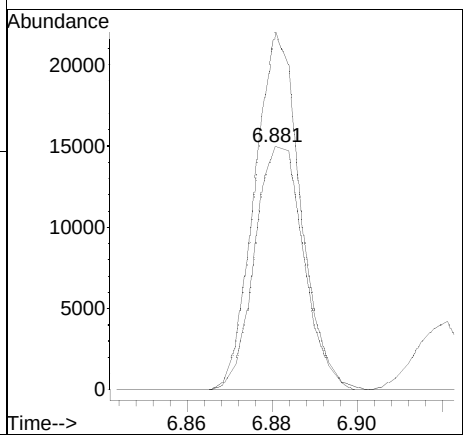


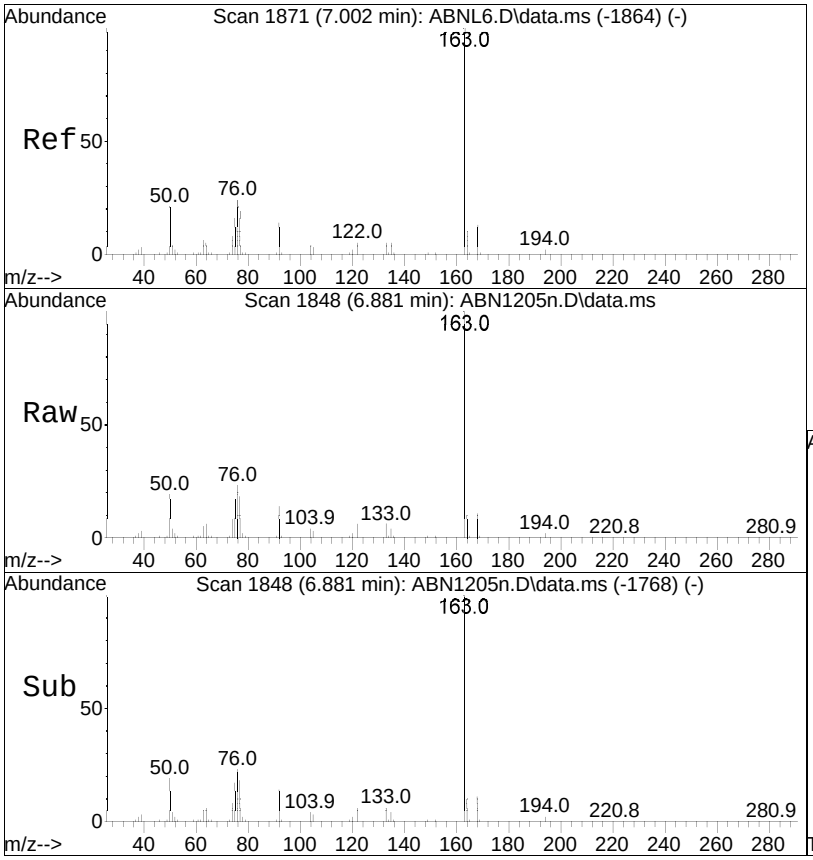


#52
1,3-Dinitrobenzene
Concen: 5.27 ug/ml
RT: 6.881 min Scan# 1848
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:168 Resp: 11900

Ion	Ratio	Lower	Upper
168	100		
75	137.3	22.7	34.1#

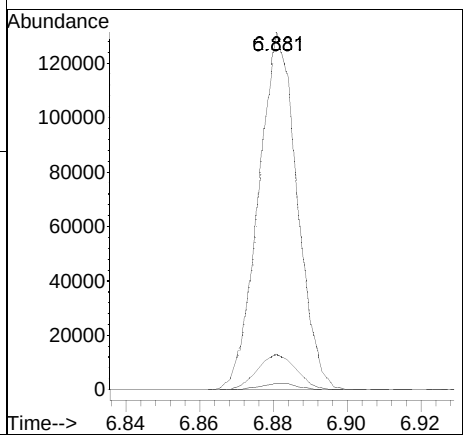


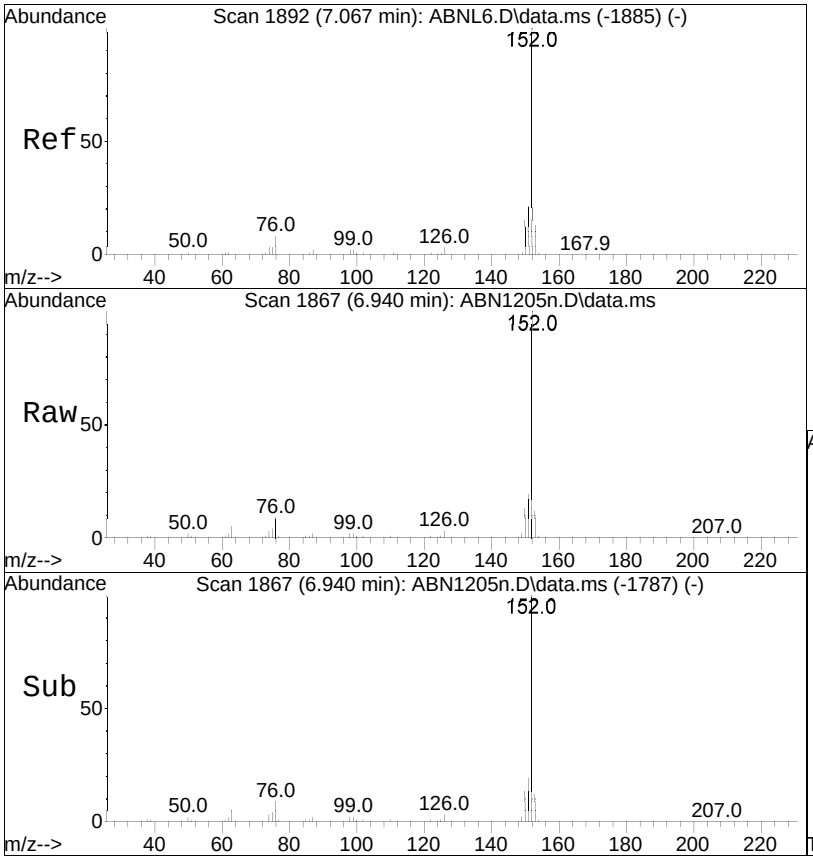


#53
Dimethyl phthalate
Concen: 4.80 ug/ml
RT: 6.881 min Scan# 1848
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:163 Resp: 94720

Ion	Ratio	Lower	Upper
163	100		
194	1.9	3.5	5.3#
164	10.2	7.9	11.9

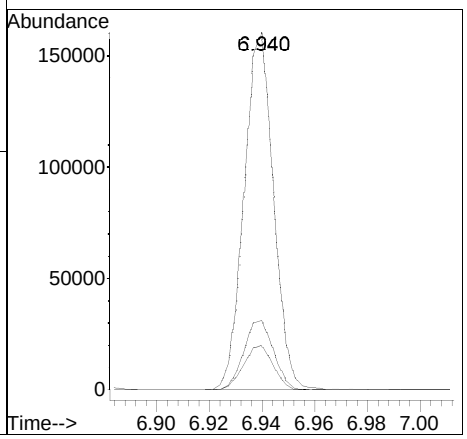


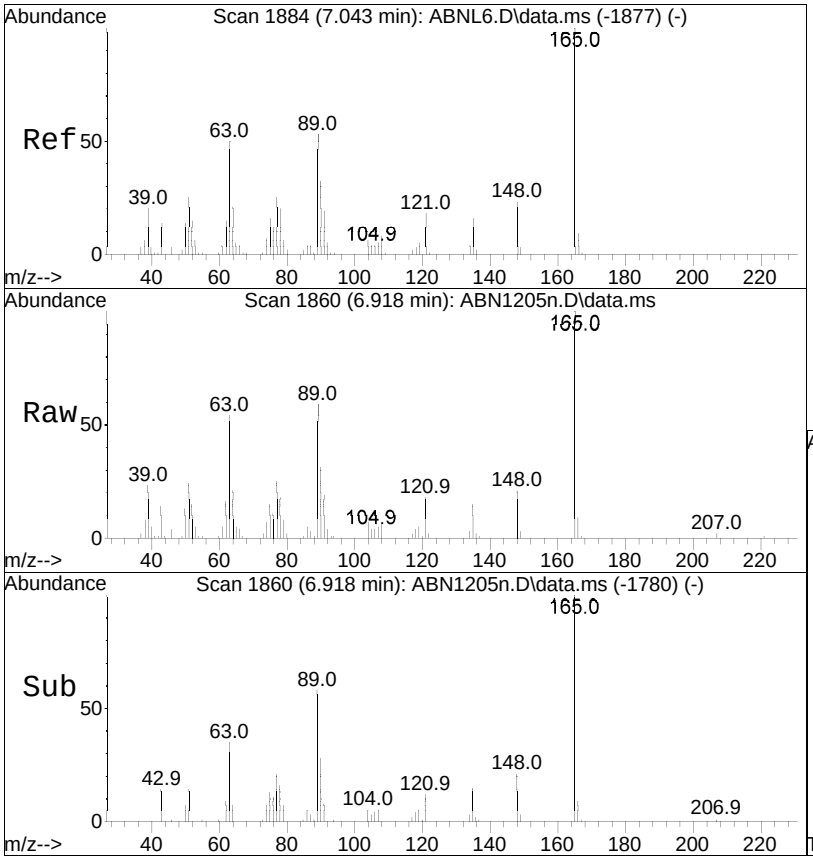


#54
Acenaphthylene
Concen: 4.97 ug/ml
RT: 6.940 min Scan# 1867
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:152 Resp: 123885

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	12.6	10.5	15.7

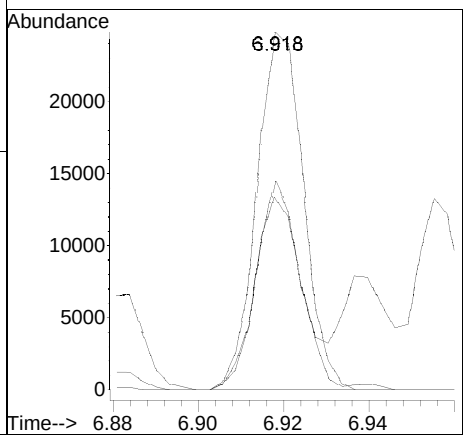


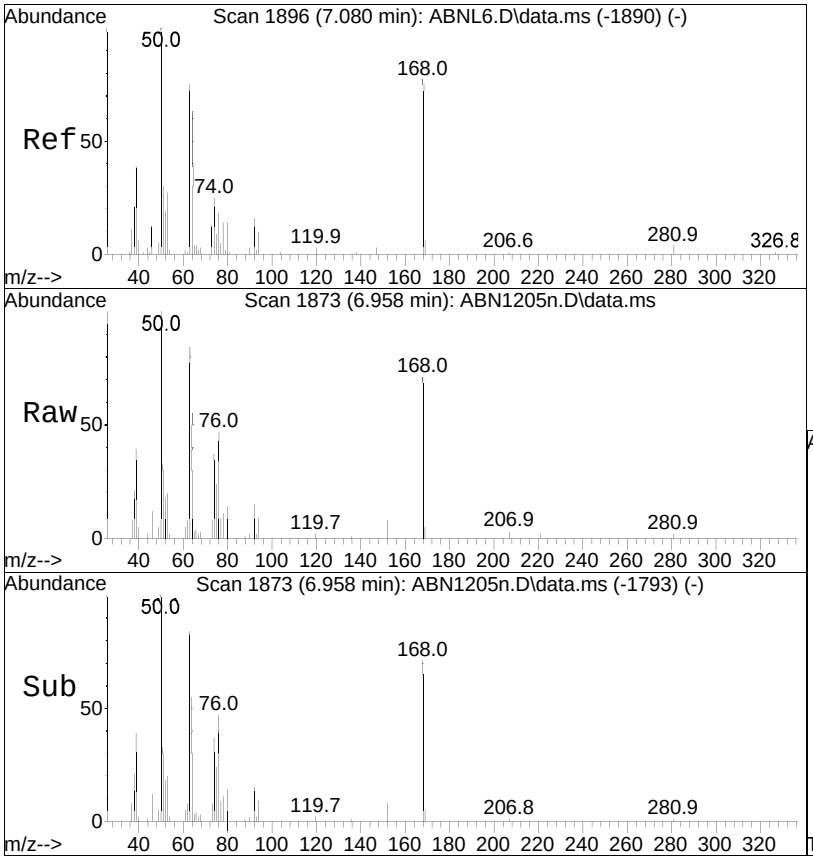


#55
2,6-Dinitrotoluene
Concen: 5.12 ug/ml
RT: 6.918 min Scan# 1860
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:165 Resp: 18862

Ion	Ratio	Lower	Upper
165	100		
89	55.7	54.2	81.2
63	56.4	64.2	96.2#

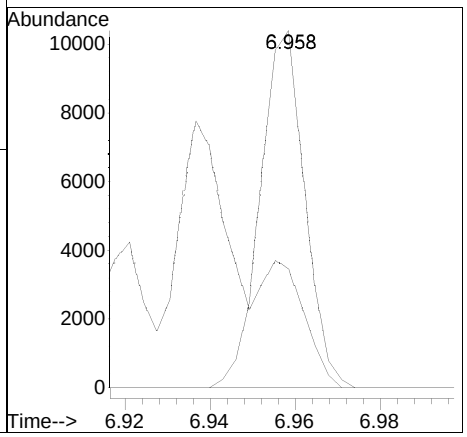


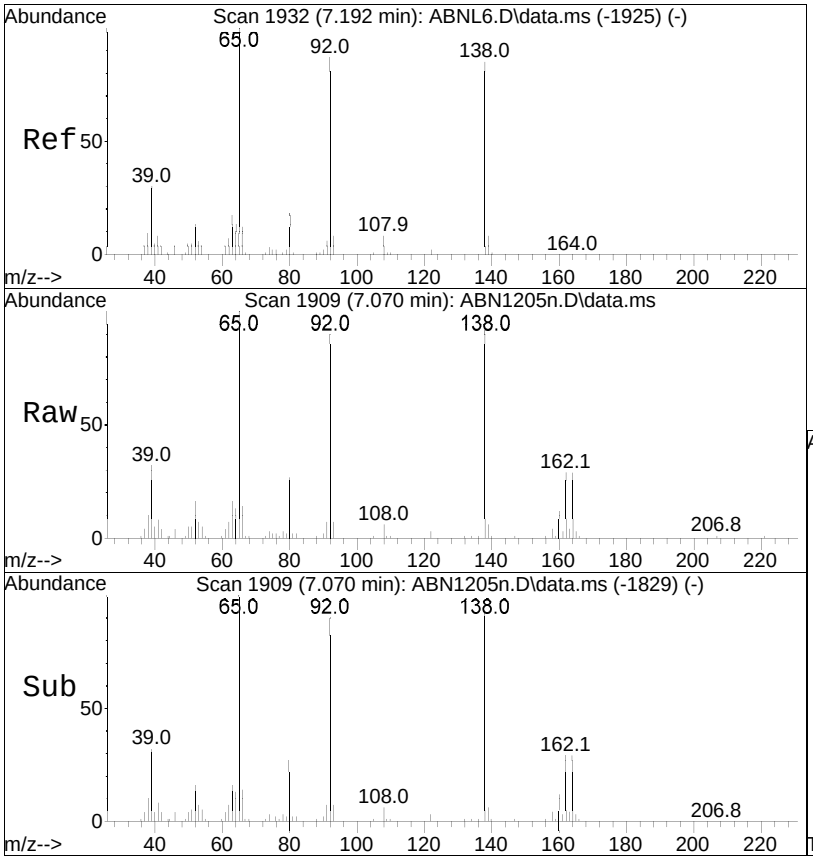


#56
1,2-Dinitrobenzene
Concen: 5.71 ug/ml
RT: 6.958 min Scan# 1873
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:168 Resp: 7532

Ion	Ratio	Lower	Upper
168	100		
75	34.9	30.9	46.3

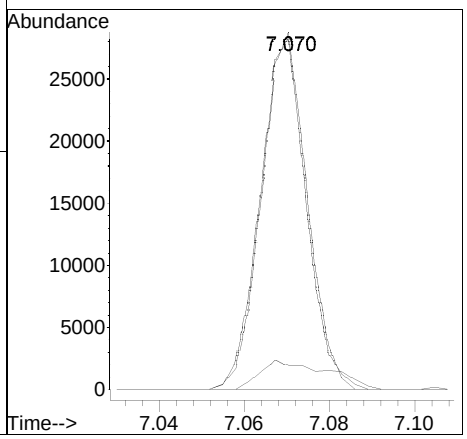


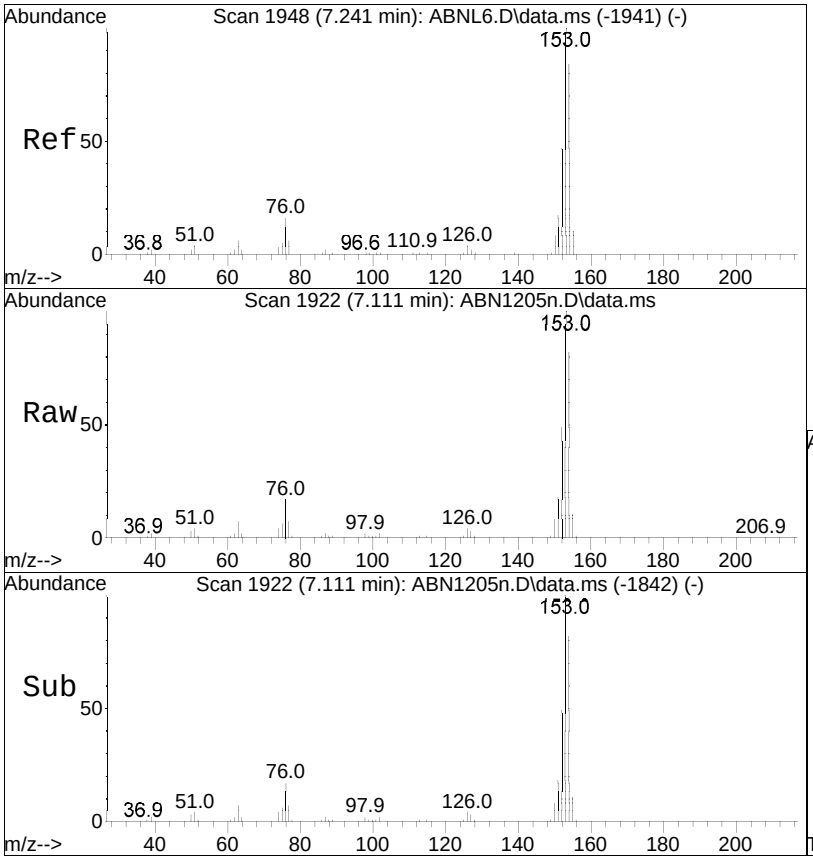


#66
3-Nitroaniline
Concen: 5.03 ug/ml
RT: 7.070 min Scan# 1909
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:138 Resp: 21084

Ion	Ratio	Lower	Upper
138	100		
92	99.9	93.4	140.2
108	12.3	9.5	14.3

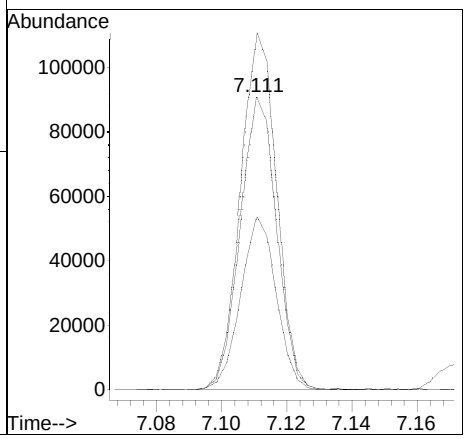


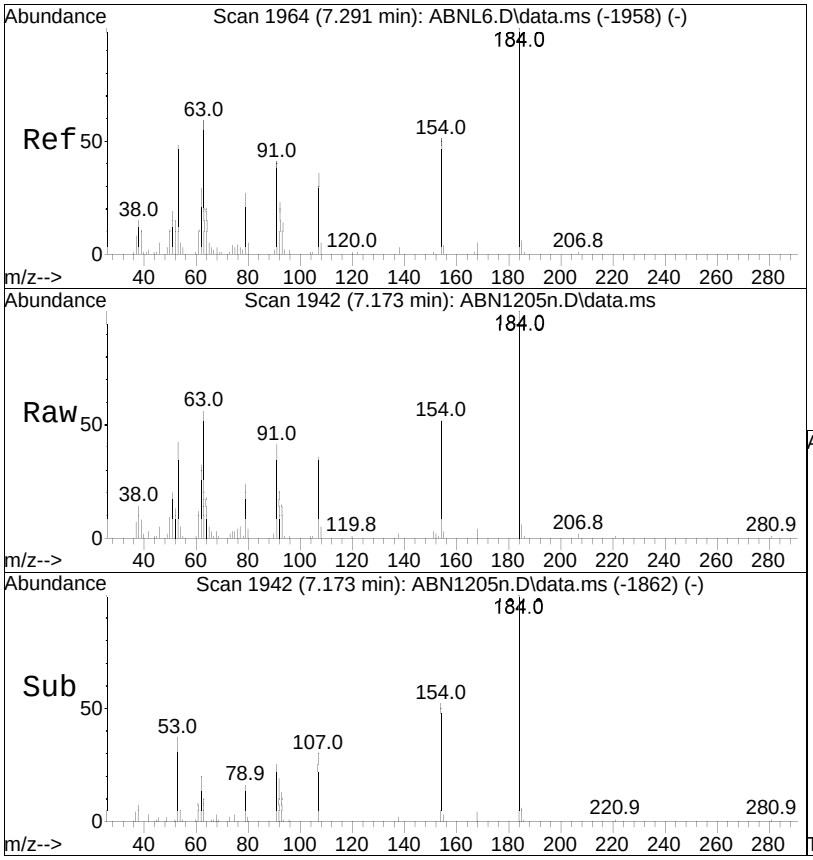


#67
Acenaphthene
Concen: 4.46 ug/ml
RT: 7.111 min Scan# 1922
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:154 Resp: 70352

Ion	Ratio	Lower	Upper
154	100		
153	121.4	85.3	127.9
152	58.2	41.4	62.0

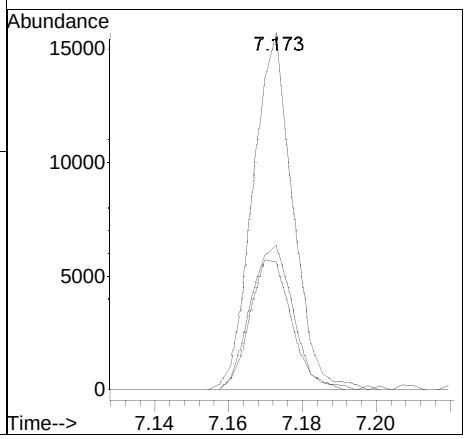


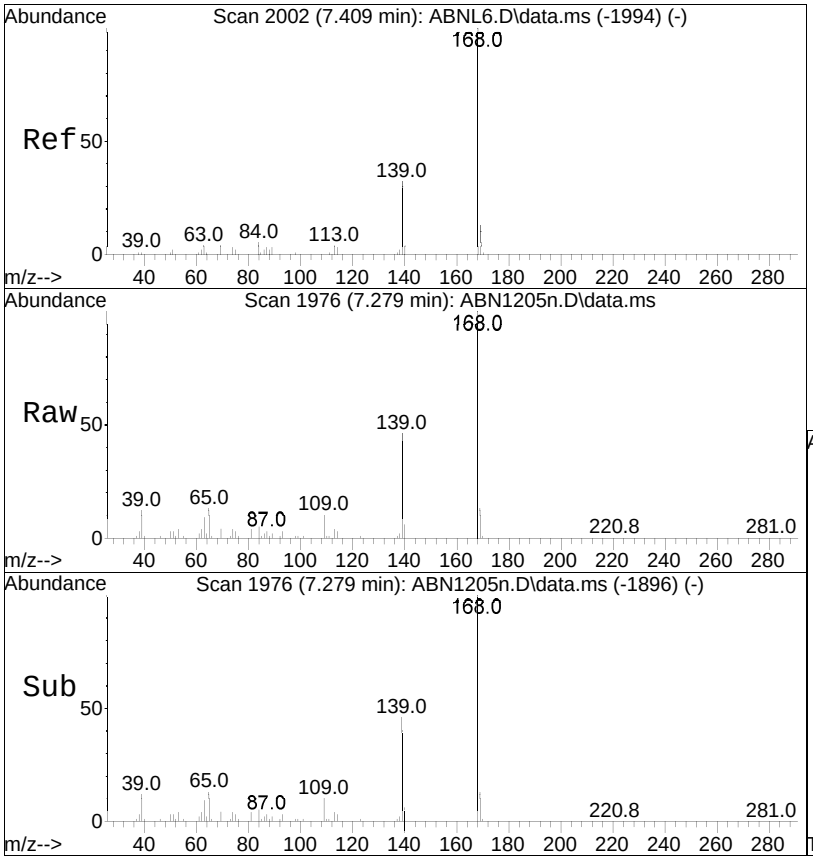


#68
2,4-Dinitrophenol
Concen: 4.60 ug/ml
RT: 7.173 min Scan# 1942
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:184 Resp: 11748

Ion	Ratio	Lower	Upper
184	100		
107	38.4	37.7	56.5
91	43.2	46.3	69.5#

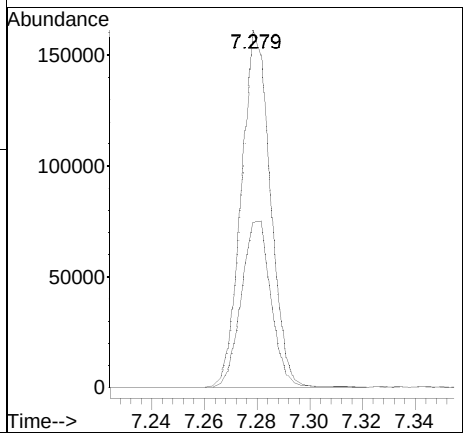


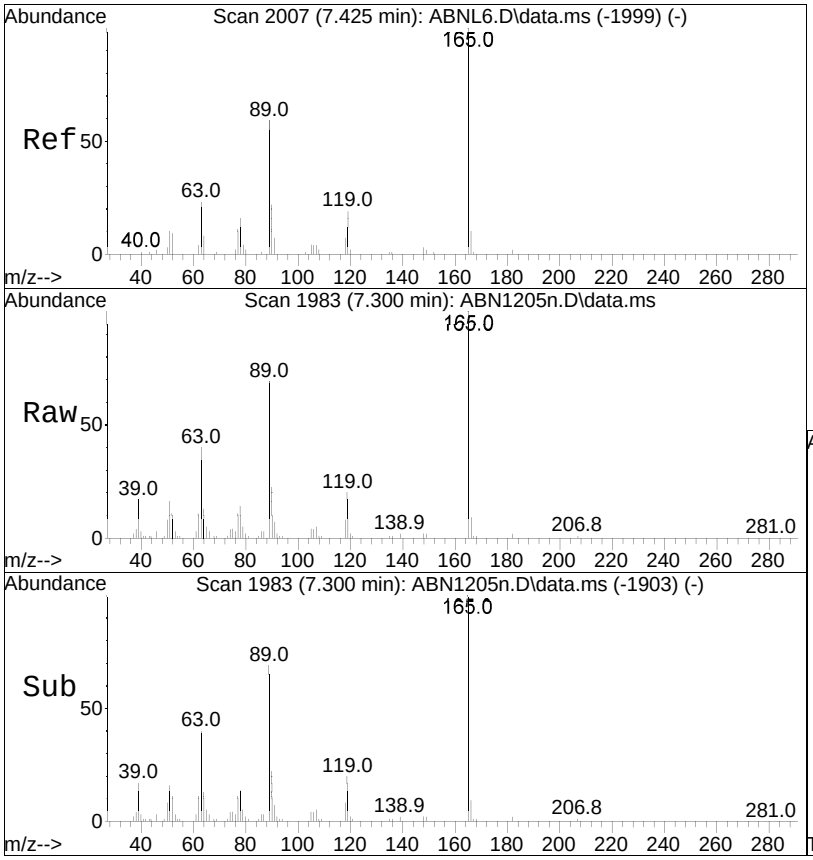


#69
Dibenzofuran
Concen: 4.49 ug/ml
RT: 7.279 min Scan# 1976
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:168 Resp: 122138

Ion	Ratio	Lower	Upper
168	100		
139	47.8	31.4	47.2#

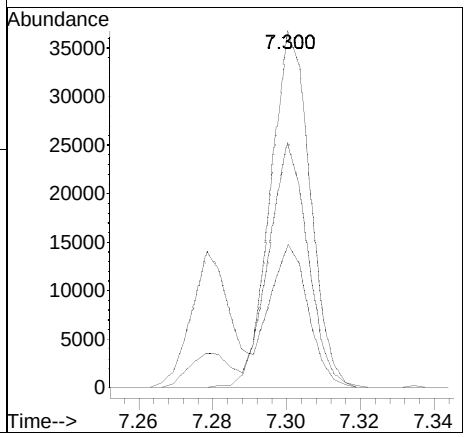


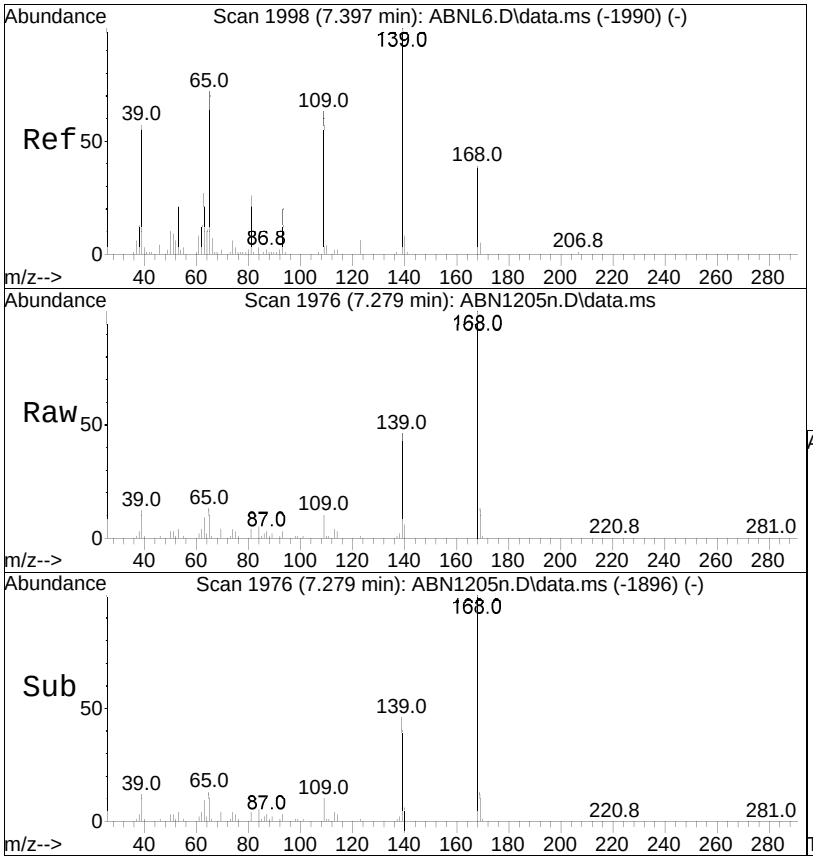


#70
2,4-Dinitrotoluene
Concen: 5.22 ug/ml
RT: 7.300 min Scan# 1983
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:165 Resp: 27402

Ion	Ratio	Lower	Upper
165	100		
89	67.4	72.0	108.0#
63	38.6	52.7	79.1#

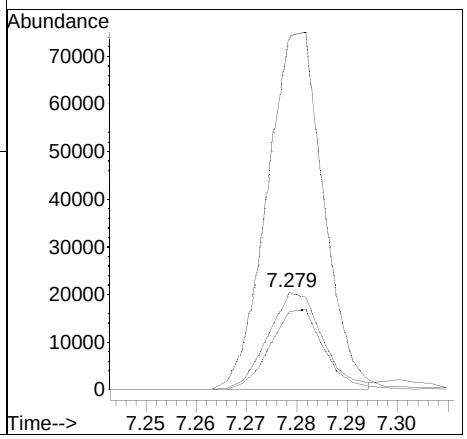


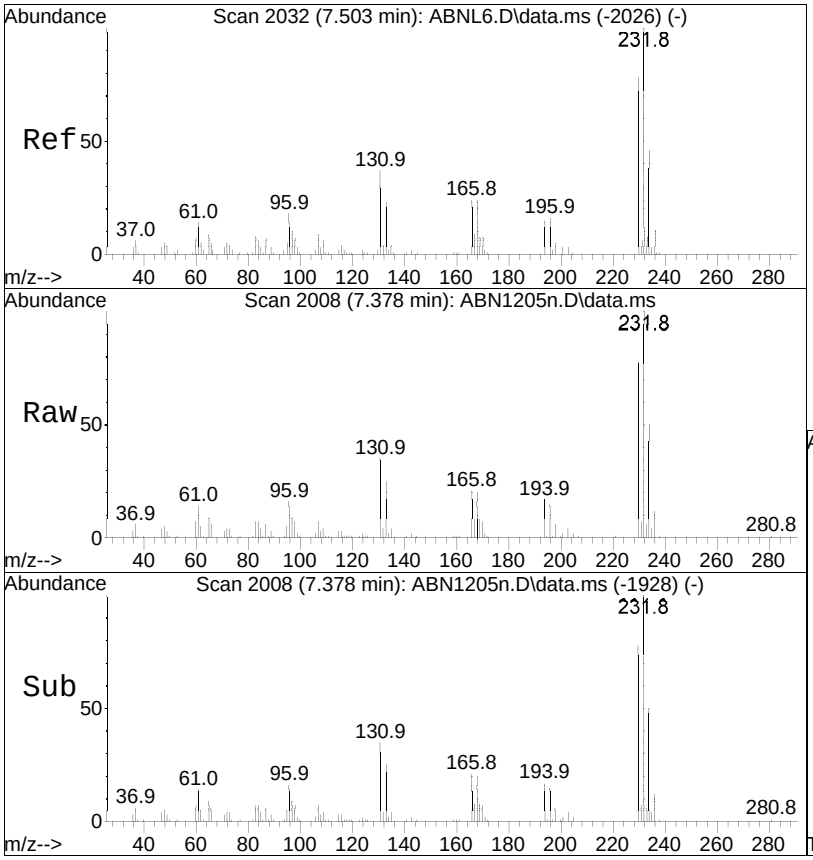


#71
4-Nitrophenol
Concen: 4.91 ug/ml
RT: 7.279 min Scan# 1976
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion: 65 Resp: 15332

Ion	Ratio	Lower	Upper
65	100		
109	80.8	47.4	71.2#
139	380.5	76.6	115.0#

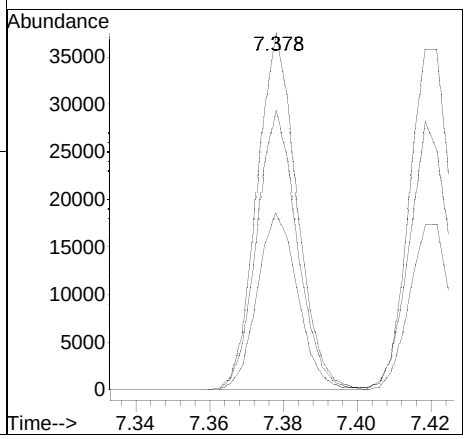


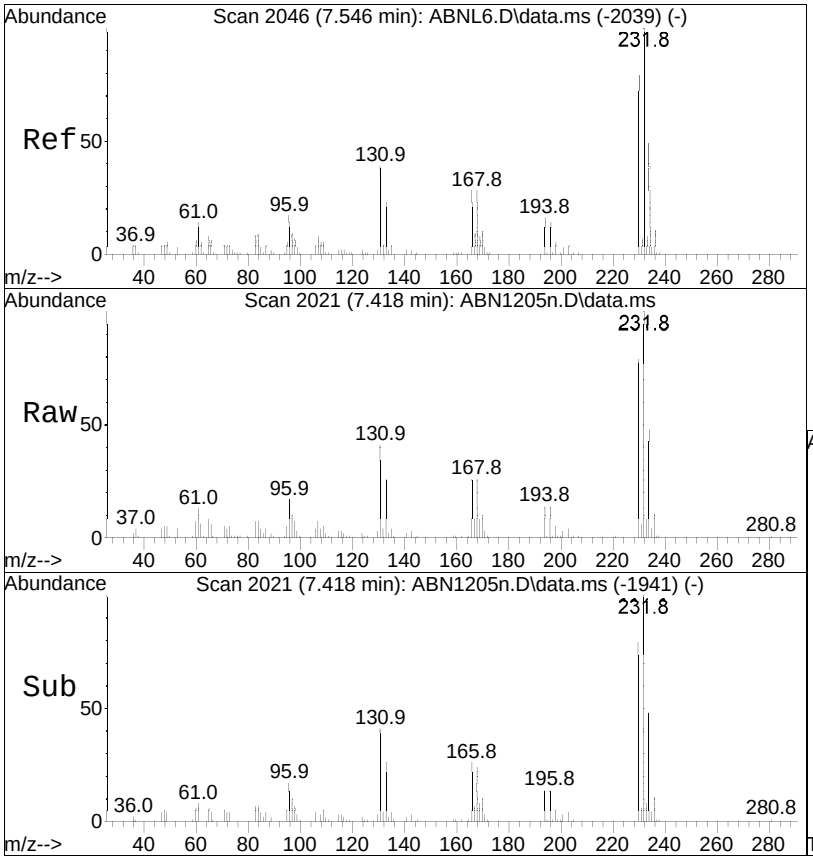


#72
2,3,5,6-Tetrachlorophenol
Concen: 4.79 ug/ml
RT: 7.378 min Scan# 2008
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:232 Resp: 28377

Ion	Ratio	Lower	Upper
232	100		
230	78.9	64.2	96.4
234	50.1	38.1	57.1

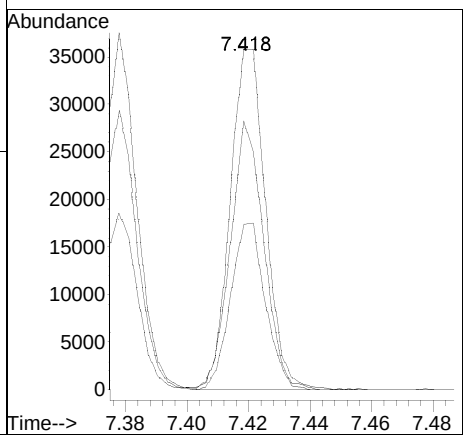


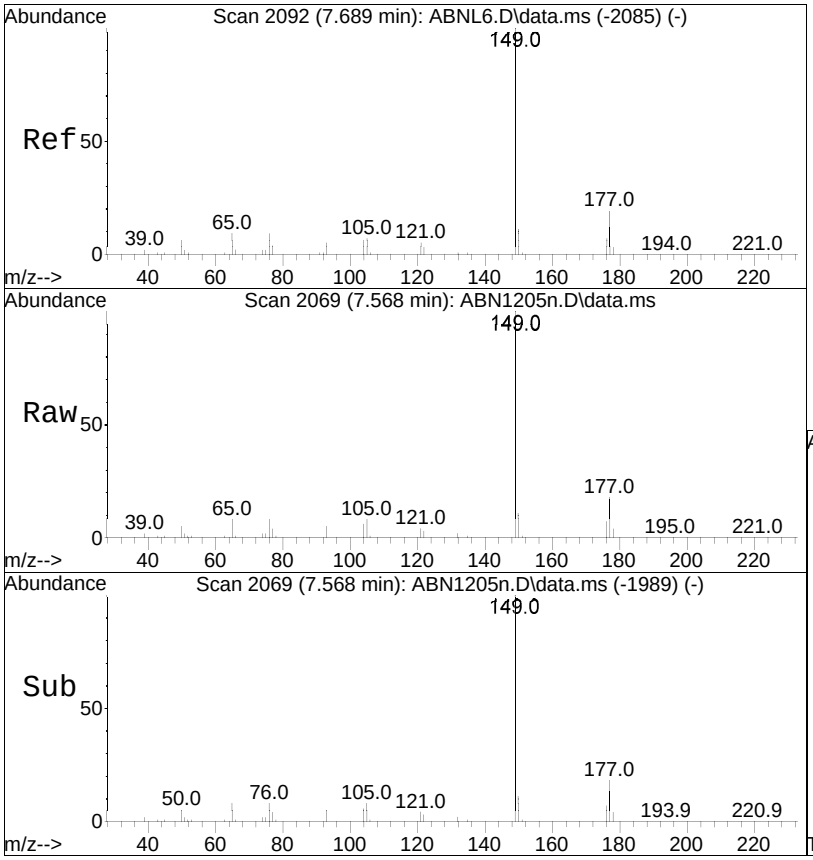


#73
2,3,4,6-Tetrachlorophenol
Concen: 4.95 ug/ml
RT: 7.418 min Scan# 2021
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:232 Resp: 28713

Ion	Ratio	Lower	Upper
232	100		
230	74.6	61.8	92.8
234	48.2	36.2	54.2

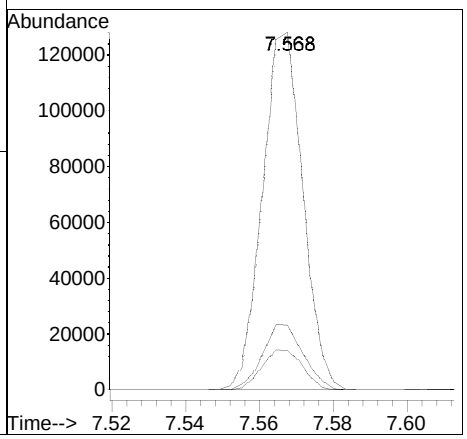


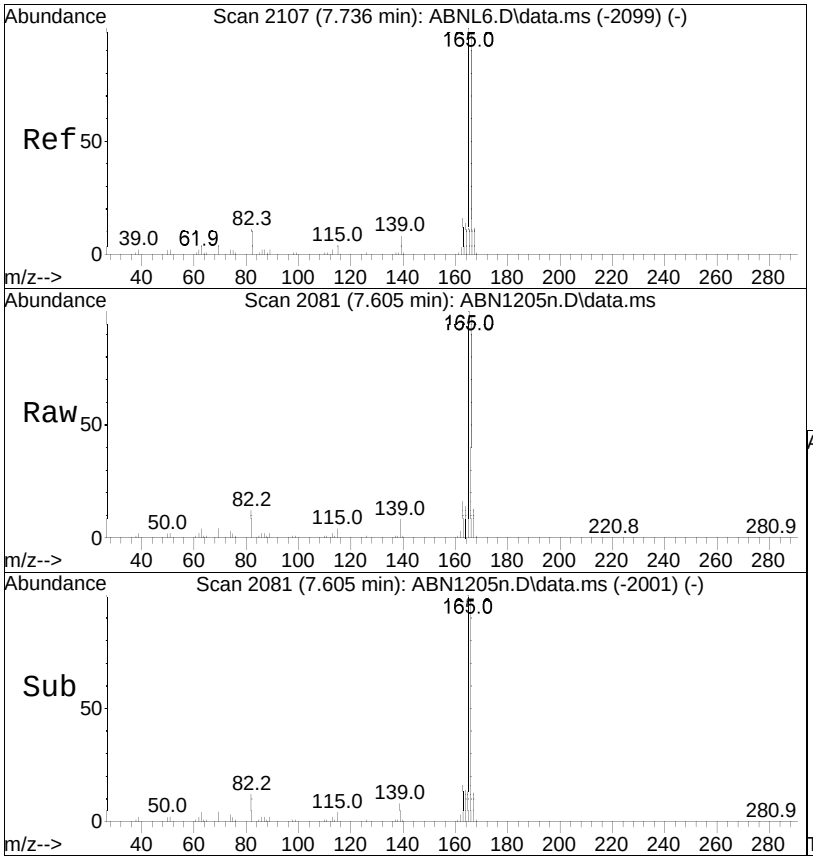


#74
Diethyl phthalate
Concen: 4.52 ug/ml
RT: 7.568 min Scan# 2069
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:149 Resp: 96537

Ion	Ratio	Lower	Upper
149	100		
177	18.6	16.1	24.1
150	11.5	9.4	14.2

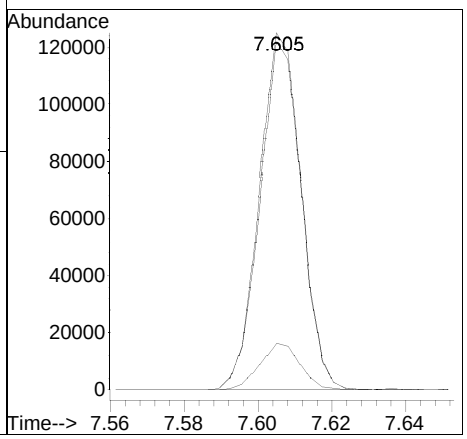


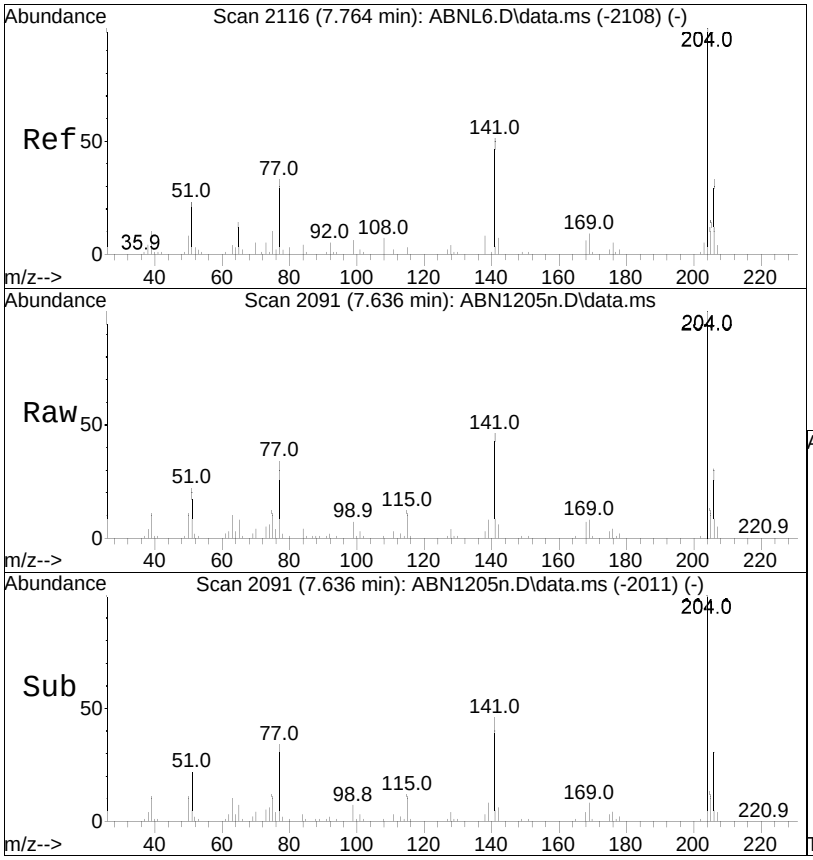


#75
Fluorene
Concen: 4.55 ug/ml
RT: 7.605 min Scan# 2081
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:166 Resp: 94868

Ion	Ratio	Lower	Upper
166	100		
165	104.0	76.2	114.2
167	13.2	10.6	15.8

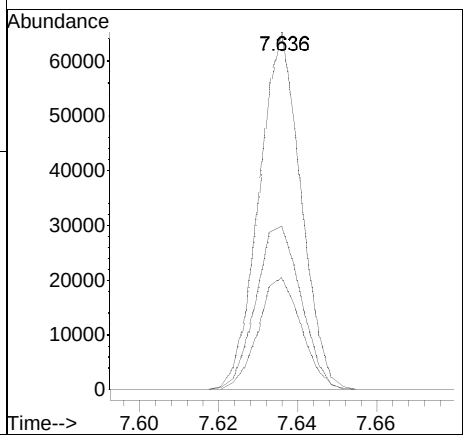


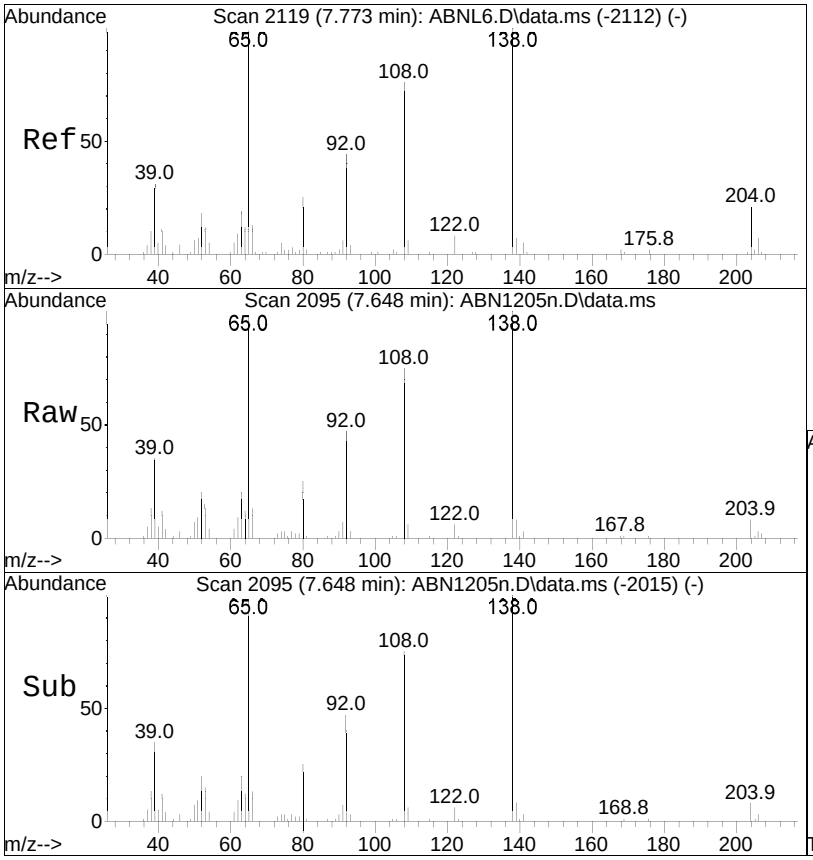


#76
4-Chlorophenyl phenyl ether
Concen: 4.44 ug/ml
RT: 7.636 min Scan# 2091
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:204 Resp: 47687

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	49.4	53.6	80.4#

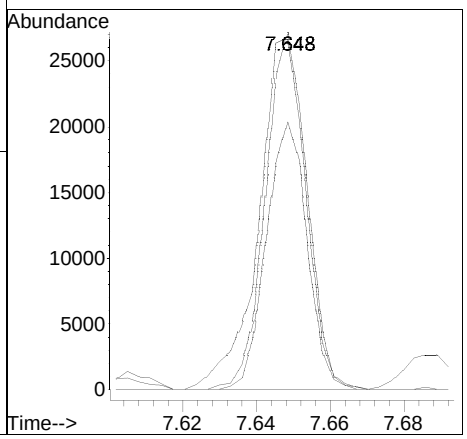


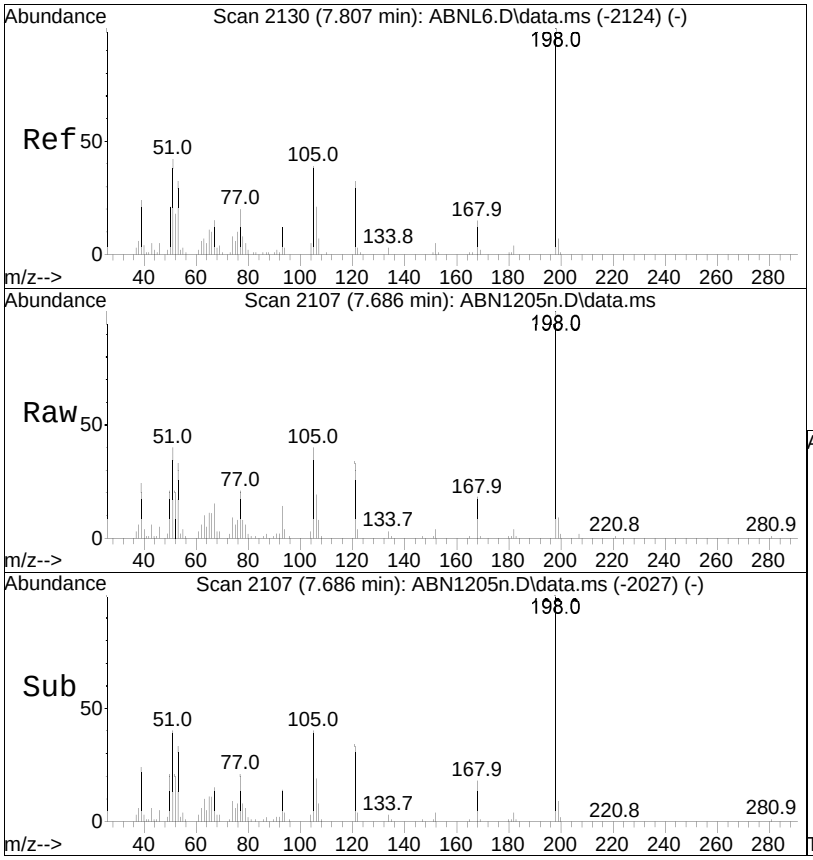


#77
4-Nitroaniline
Concen: 5.19 ug/ml
RT: 7.648 min Scan# 2095
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:138 Resp: 21036

Ion	Ratio	Lower	Upper
138	100		
108	73.8	52.1	78.1
65	111.6	115.0	172.6#

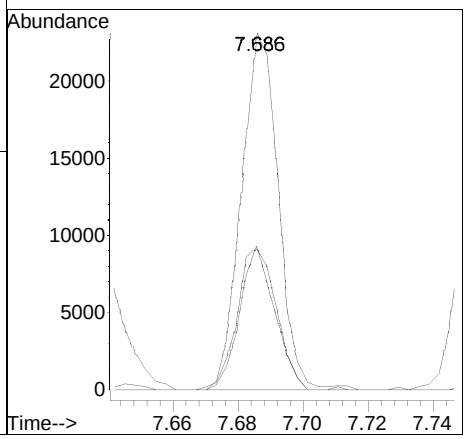


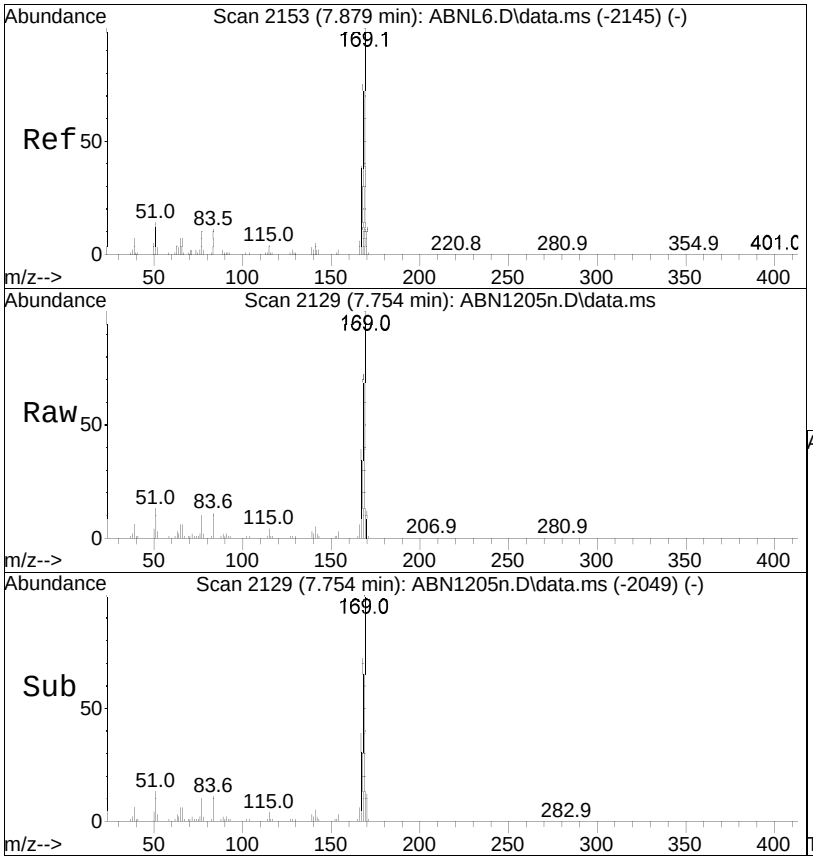


#78
4,6-Dinitro-o-cresol
Concen: 5.68 ug/ml
RT: 7.686 min Scan# 2107
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:198 Resp: 18036

Ion	Ratio	Lower	Upper
198	100		
51	42.3	76.0	114.0#
105	38.3	45.6	68.4#

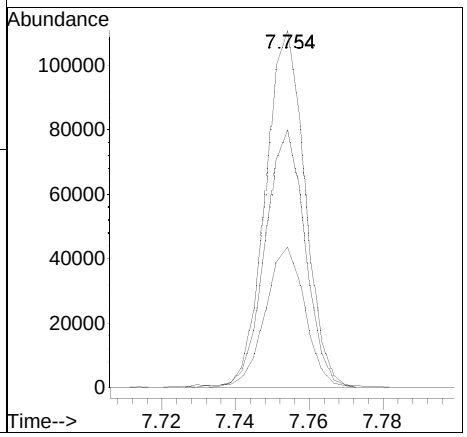


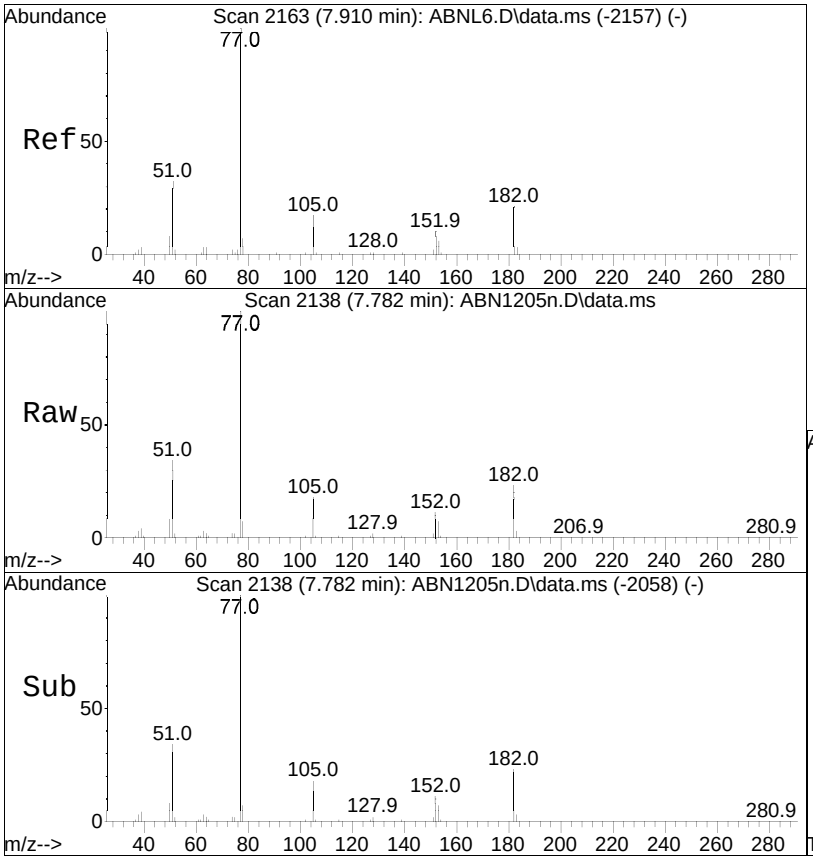


#79
NDPA/DPA
Concen: 4.54 ug/ml
RT: 7.754 min Scan# 2129
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:169 Resp: 82289

Ion	Ratio	Lower	Upper
169	100		
168	73.6	54.0	81.0
167	40.0	28.6	42.8

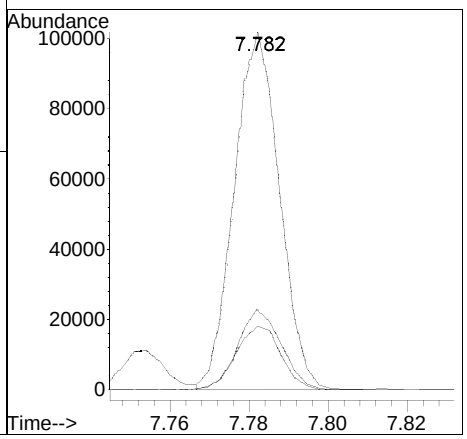


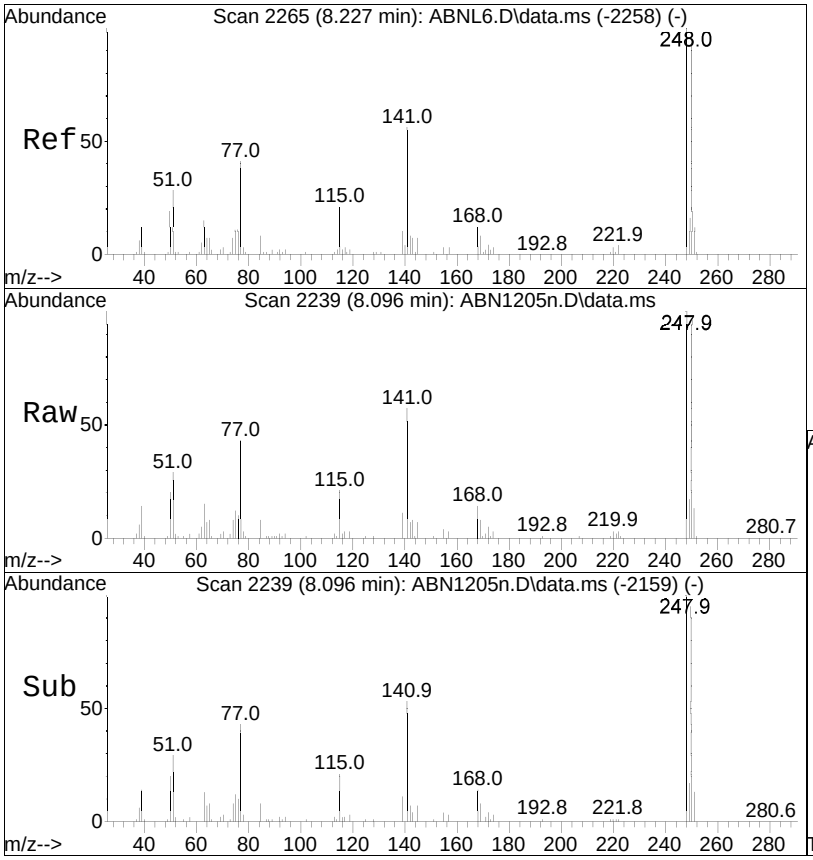


#80
Azobenzene
Concen: 4.60 ug/ml
RT: 7.782 min Scan# 2138
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion: 77 Resp: 79999

Ion	Ratio	Lower	Upper
77	100		
182	21.8	17.4	26.2
105	18.1	15.4	23.2

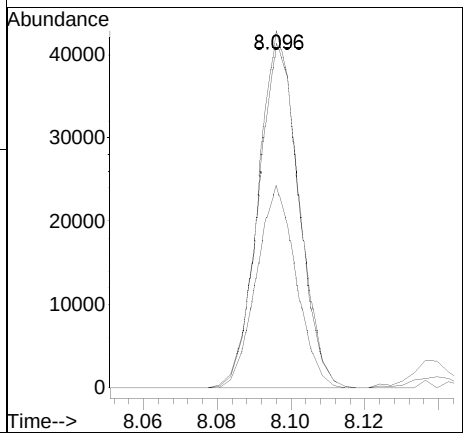


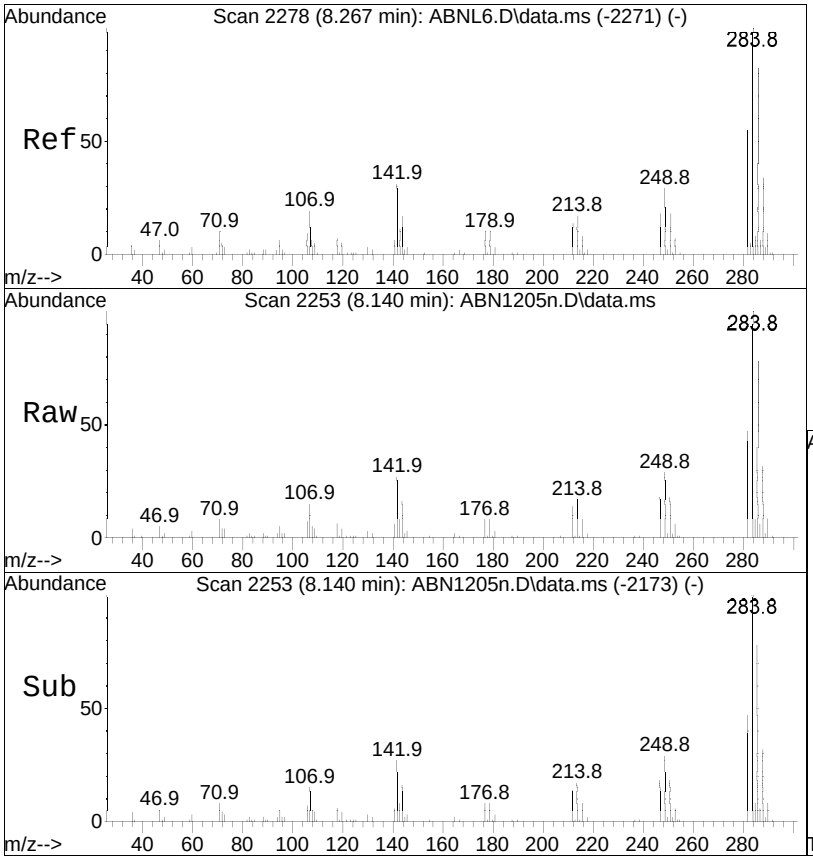


#82
4-Bromophenyl phenyl ether
Concen: 4.57 ug/ml
RT: 8.096 min Scan# 2239
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:248 Resp: 32367

Ion	Ratio	Lower	Upper
248	100		
141	56.0	76.6	114.8#
250	97.3	77.3	115.9

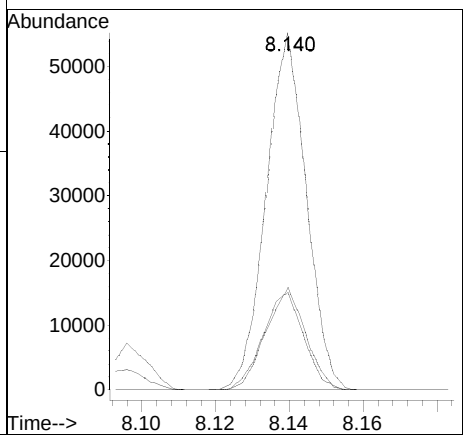


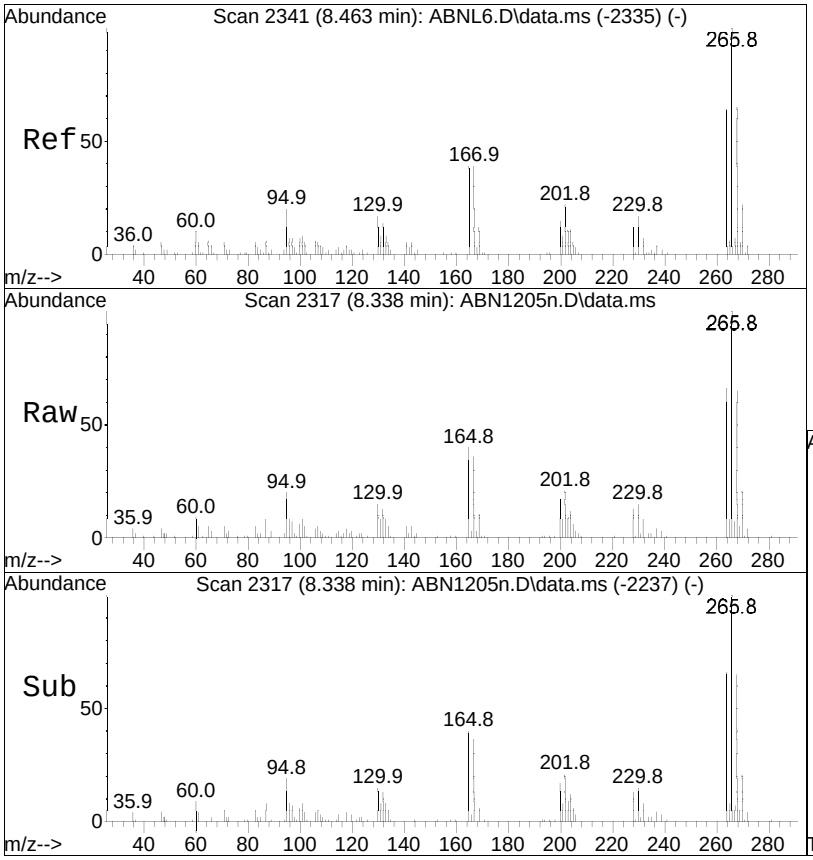


#83
Hexachlorobenzene
Concen: 4.66 ug/ml
RT: 8.140 min Scan# 2253
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:284 Resp: 41546

Ion	Ratio	Lower	Upper
284	100		
142	27.9	41.9	62.9#
249	28.5	24.1	36.1

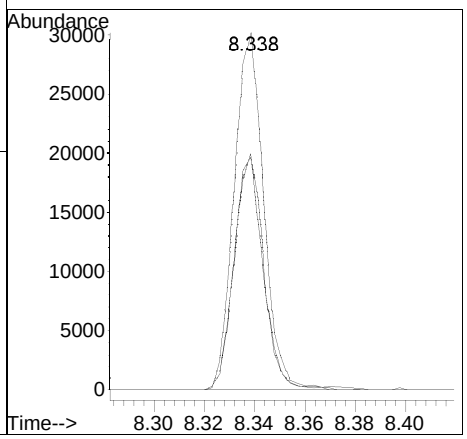


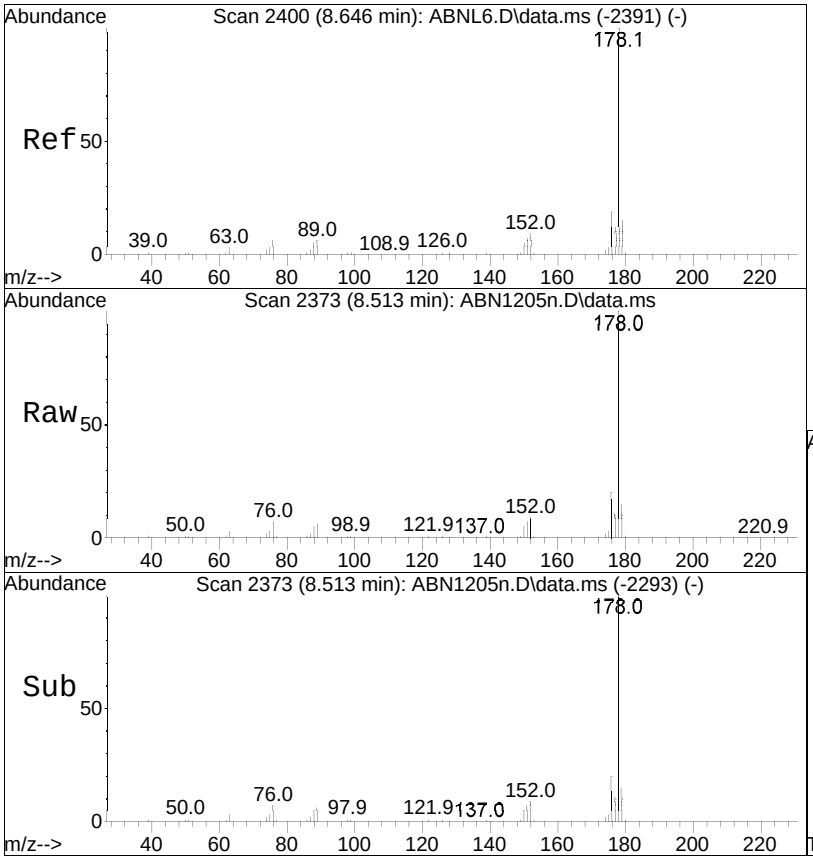


#84
Pentachlorophenol
Concen: 5.11 ug/ml
RT: 8.338 min Scan# 2317
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:266 Resp: 24665

Ion	Ratio	Lower	Upper
266	100		
264	63.5	49.7	74.5
268	66.1	50.5	75.7

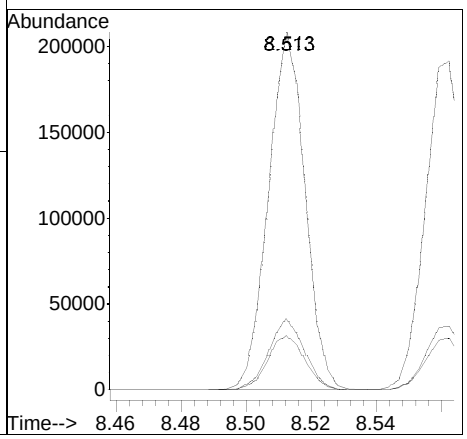


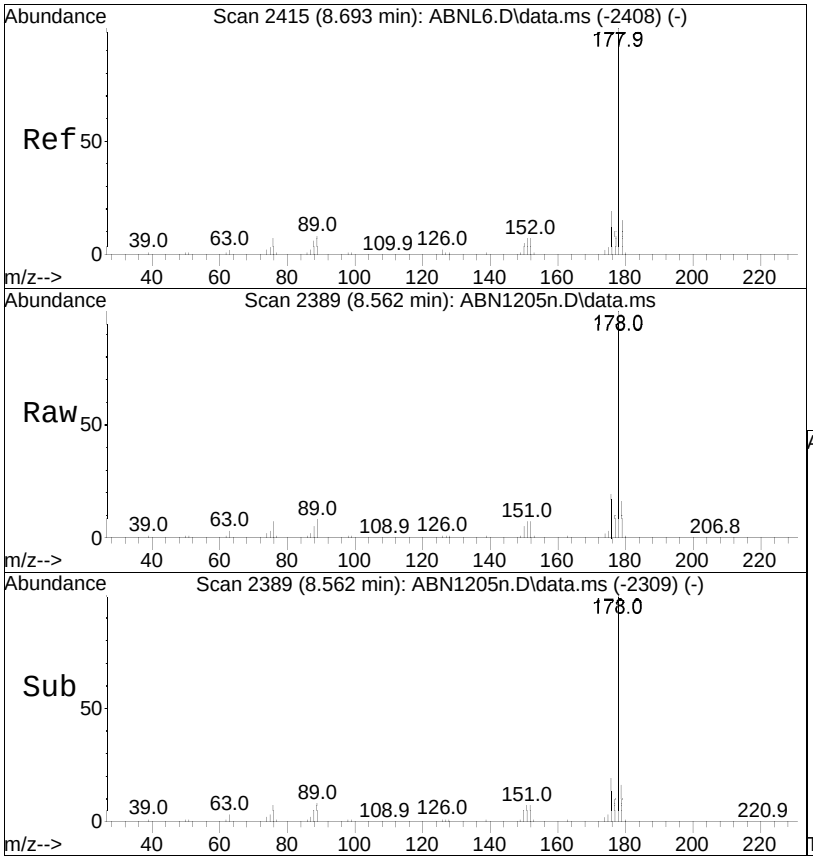


#91
Phenanthrene
Concen: 4.58 ug/ml
RT: 8.513 min Scan# 2373
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:178 Resp: 162258

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	19.3	15.4	23.2

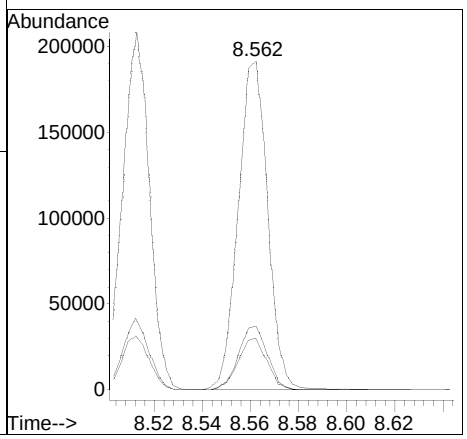


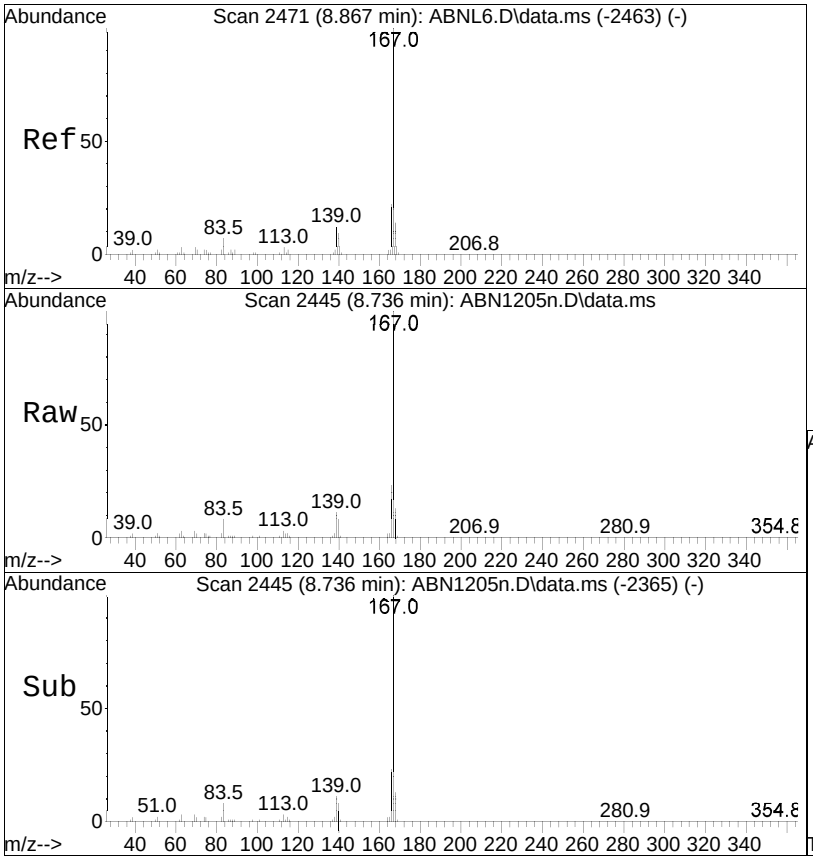


#92
Anthracene
Concen: 4.66 ug/ml
RT: 8.562 min Scan# 2389
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:178 Resp: 161911

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	19.1	14.6	22.0

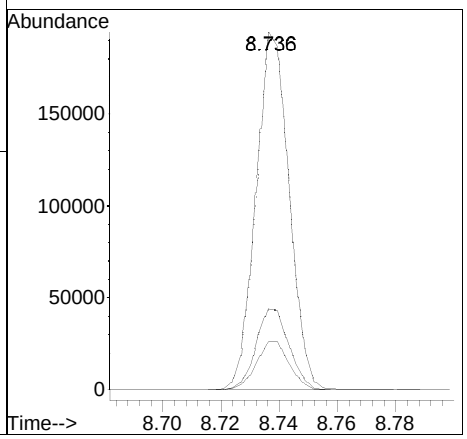


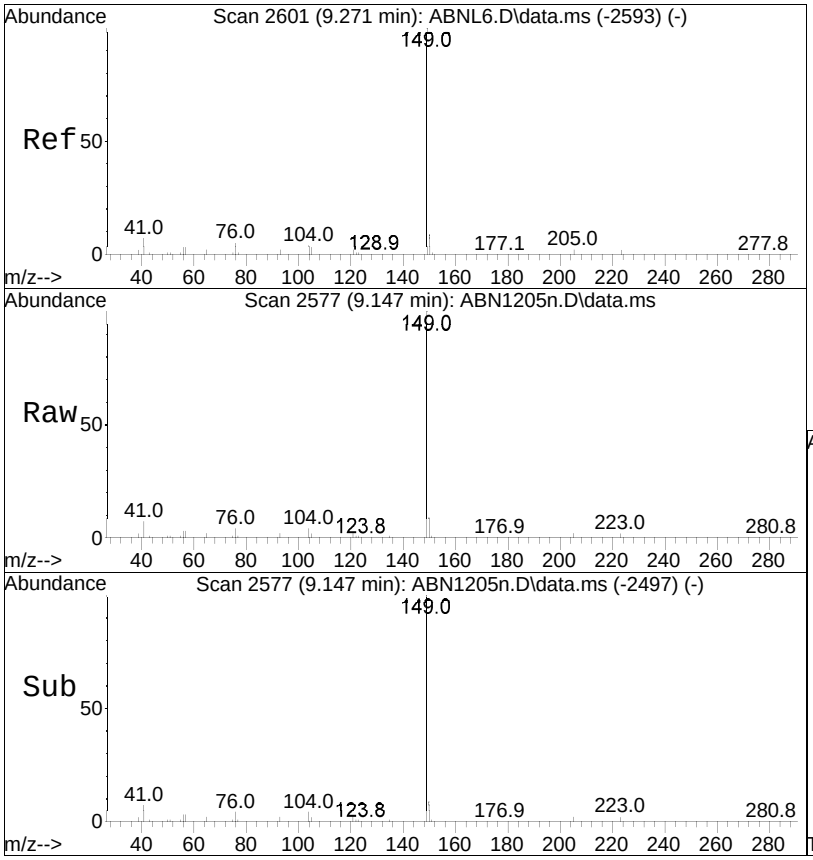


#93
Carbazole
Concen: 4.77 ug/ml
RT: 8.736 min Scan# 2445
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:167 Resp: 152053

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.6	15.8
166	22.8	17.4	26.0

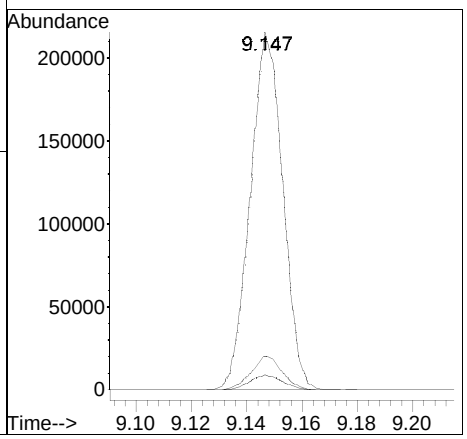


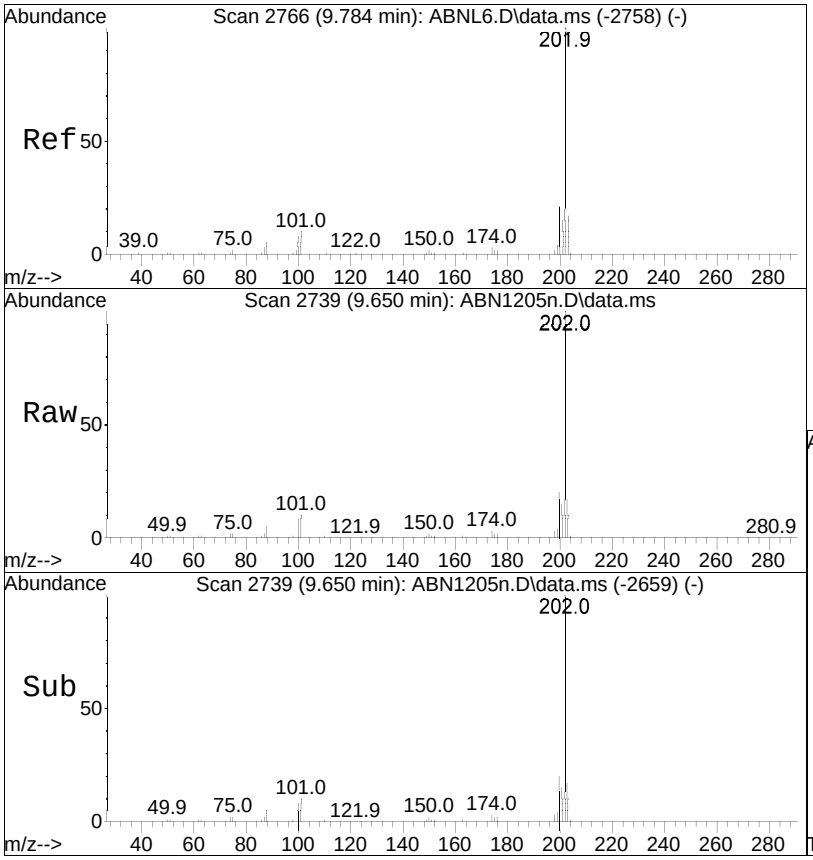


#94
Di-n-butylphthalate
Concen: 4.80 ug/ml
RT: 9.147 min Scan# 2577
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:149 Resp: 173611

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.3	4.5	6.7#

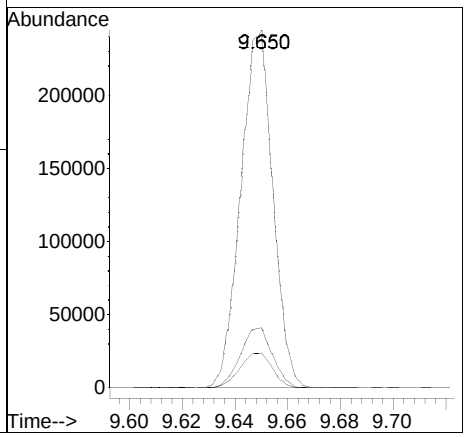


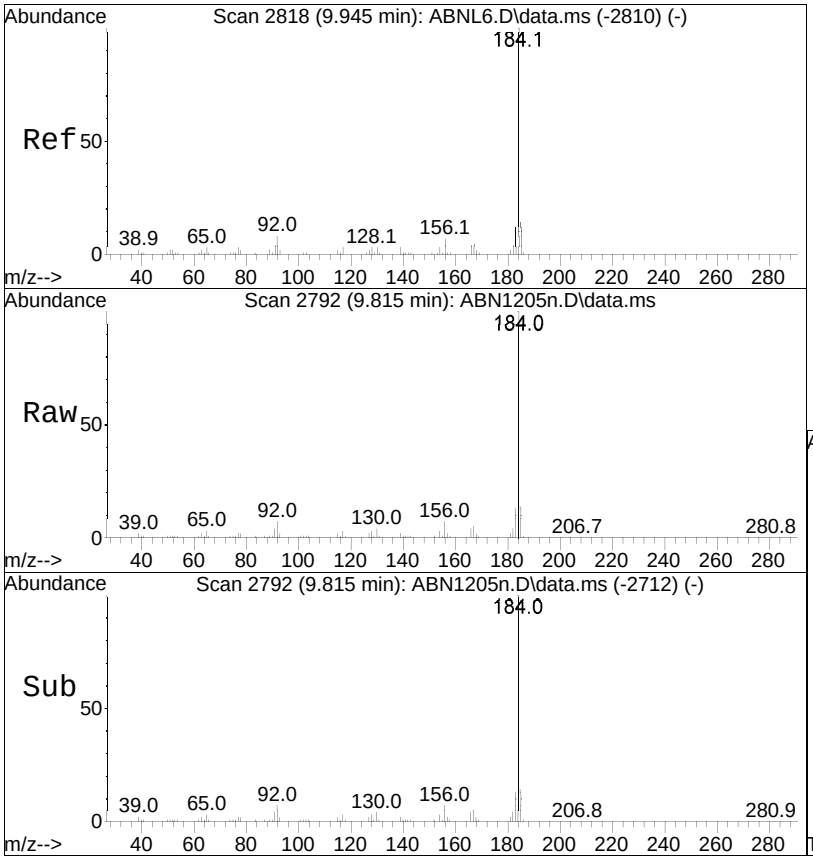


#95
Fluoranthene
Concen: 4.82 ug/ml
RT: 9.650 min Scan# 2739
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:202 Resp: 205306

Ion	Ratio	Lower	Upper
202	100		
101	10.0	13.5	20.3#
203	16.9	13.6	20.4

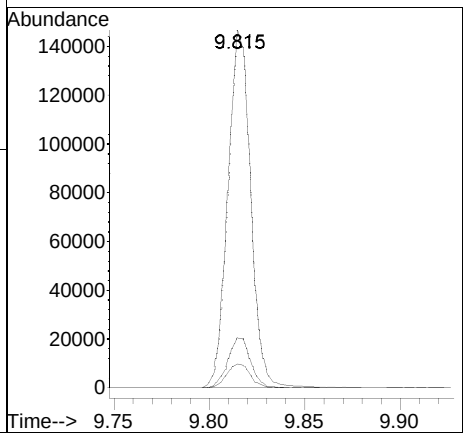


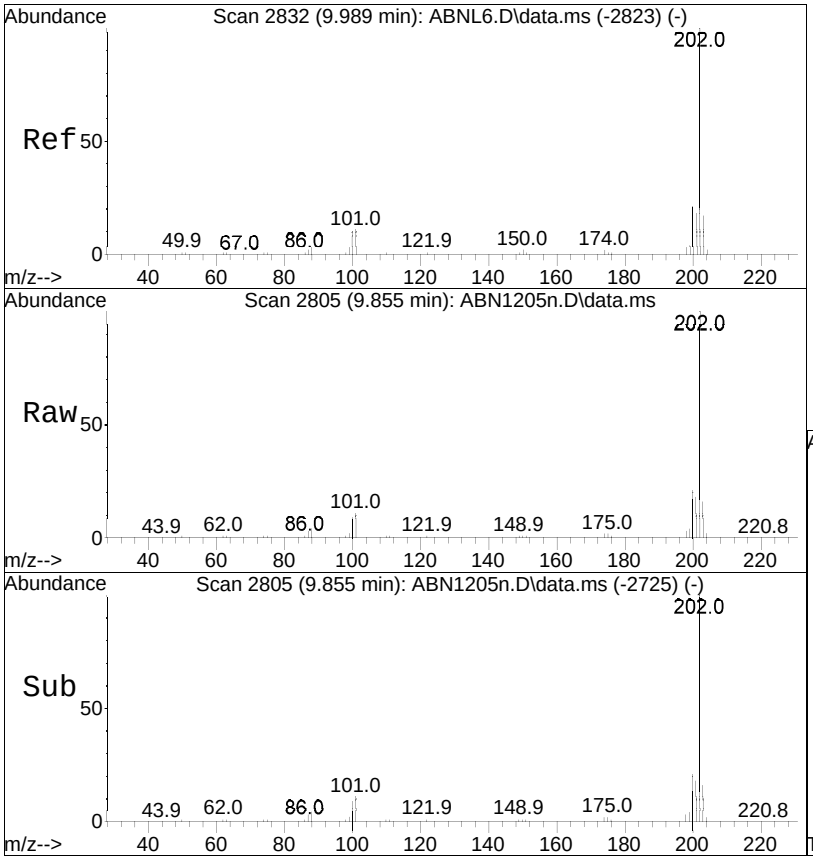


#96
Benzidine
Concen: 5.20 ug/ml
RT: 9.815 min Scan# 2792
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:184 Resp: 120324

Ion	Ratio	Lower	Upper
184	100		
92	6.9	9.1	13.7#
185	14.1	11.1	16.7

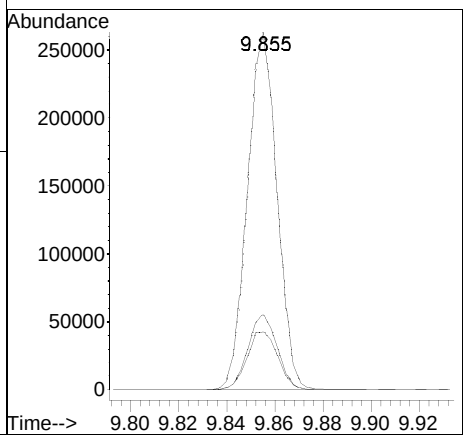


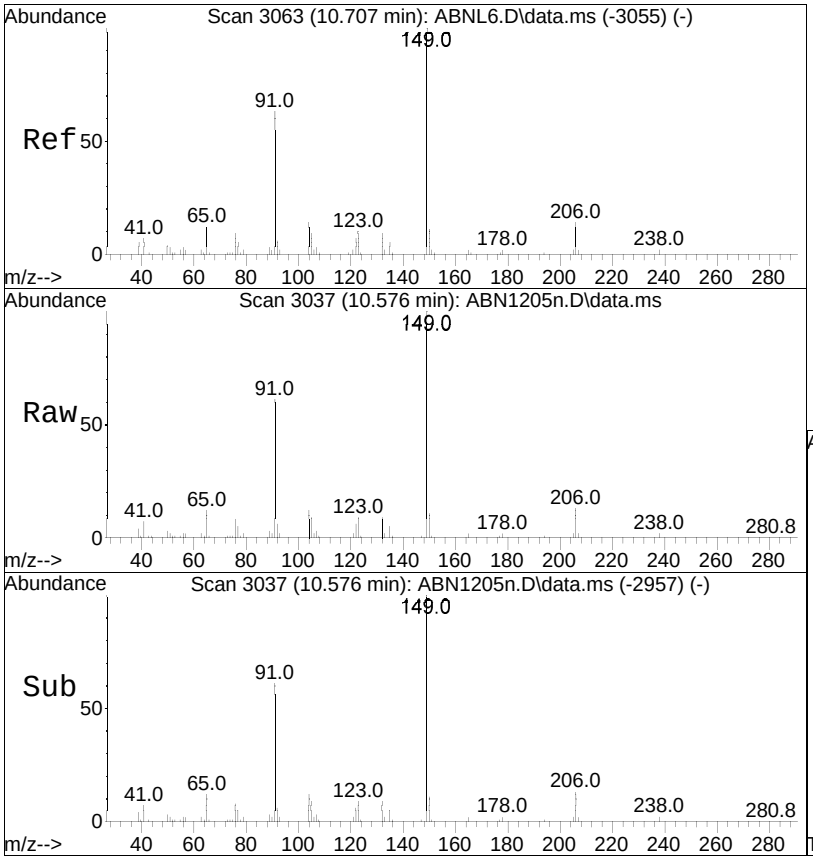


#97
Pyrene
Concen: 4.88 ug/ml
RT: 9.855 min Scan# 2805
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:202 Resp: 222127

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.3	14.2	21.4

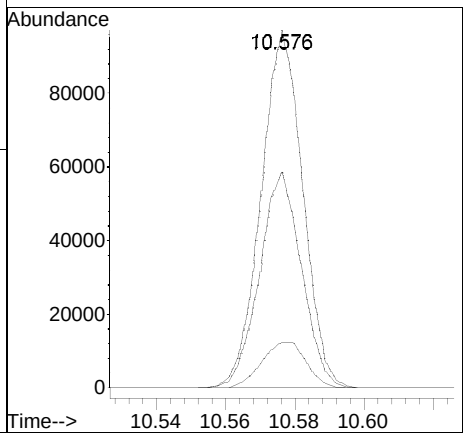


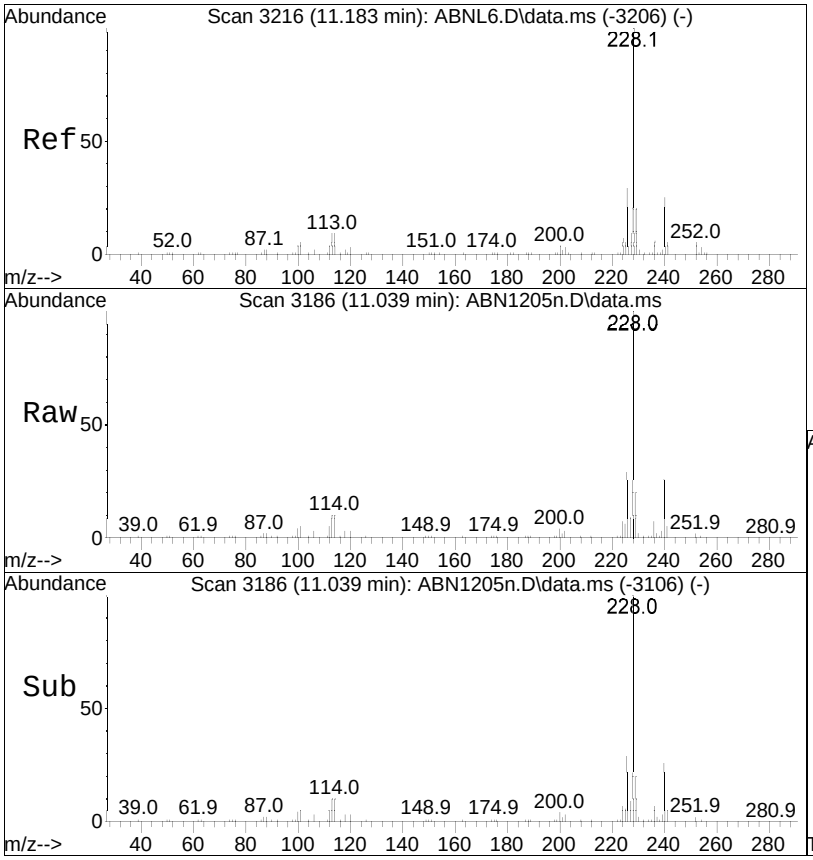


#99
Butyl benzyl phthalate
Concen: 5.19 ug/ml
RT: 10.576 min Scan# 3037
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:149 Resp: 80333

Ion	Ratio	Lower	Upper
149	100		
91	60.9	63.3	94.9#
206	13.8	13.9	20.9#

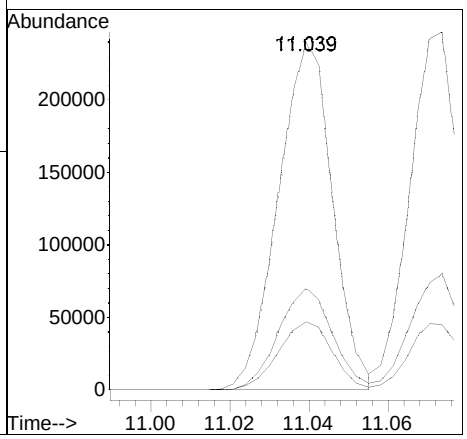


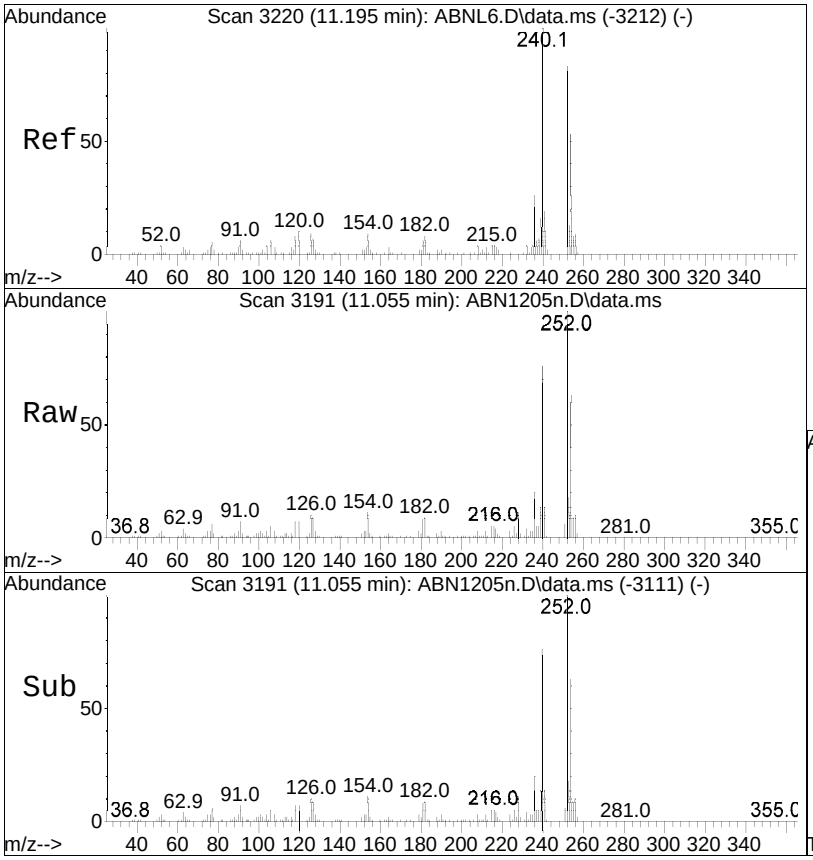


#107
Benzo(a)anthracene
Concen: 4.41 ug/ml
RT: 11.039 min Scan# 3186
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:228 Resp: 227670

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.2	33.4
229	19.7	15.6	23.4

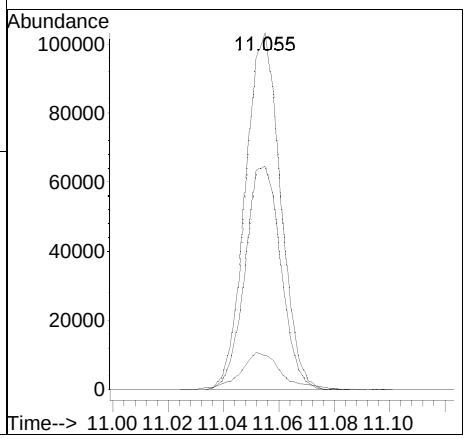


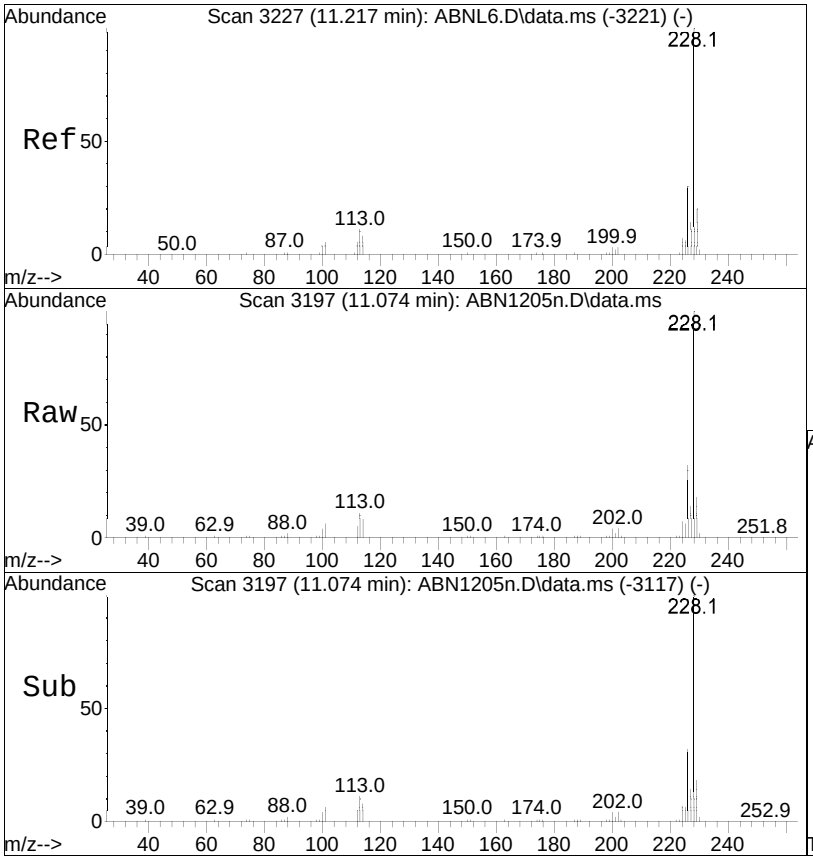


#108
3,3'-Dichlorobenzidine
Concen: 4.73 ug/ml
RT: 11.055 min Scan# 3191
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:252 Resp: 90838

Ion	Ratio	Lower	Upper
252	100		
126	12.3	14.5	21.7#
254	64.1	51.2	76.8

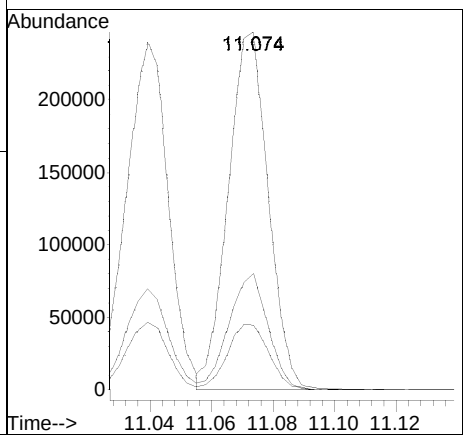


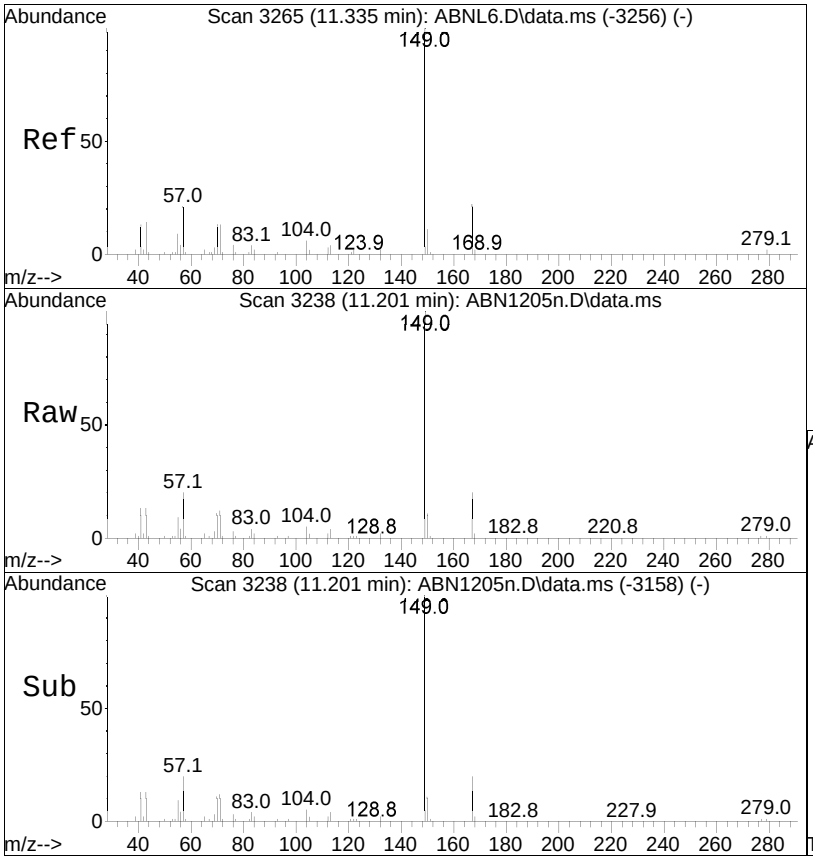


#109
Chrysene
Concen: 4.33 ug/ml
RT: 11.074 min Scan# 3197
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:228 Resp: 222395

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.0	36.0
229	19.0	15.8	23.8

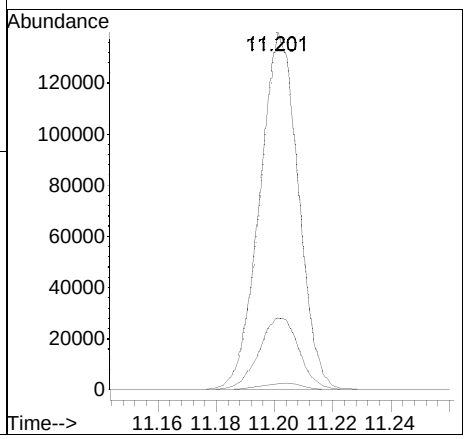


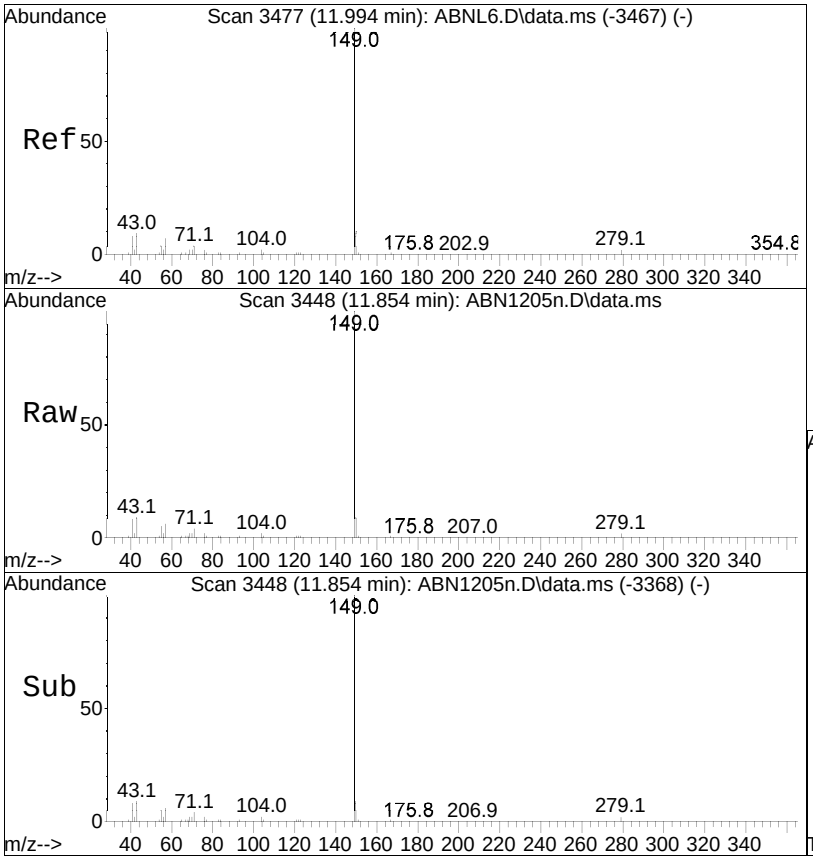


#110
Bis(2-ethylhexyl)phthalate
Concen: 4.61 ug/ml
RT: 11.201 min Scan# 3238
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:149 Resp: 127434

Ion	Ratio	Lower	Upper
149	100		
167	20.9	22.1	33.1#
279	1.6	3.0	4.4#

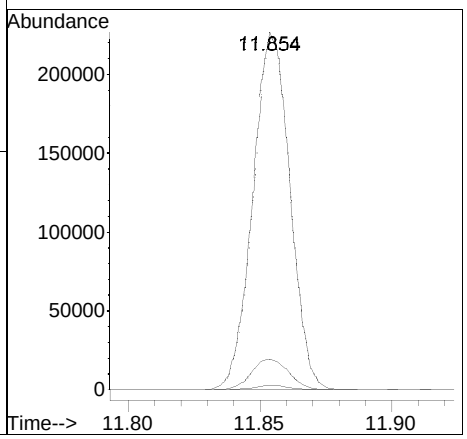


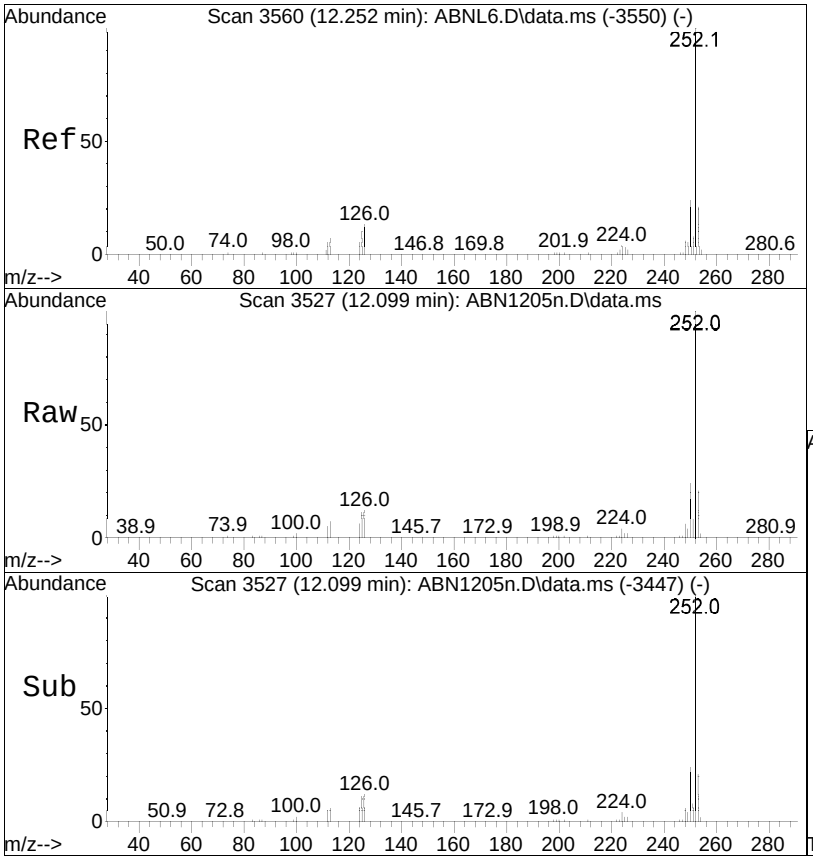


#111
Di-n-octylphthalate
Concen: 4.74 ug/ml
RT: 11.854 min Scan# 3448
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:149 Resp: 218684

Ion	Ratio	Lower	Upper
149	100		
43	8.7	18.8	28.2#
167	1.2	1.3	1.9#

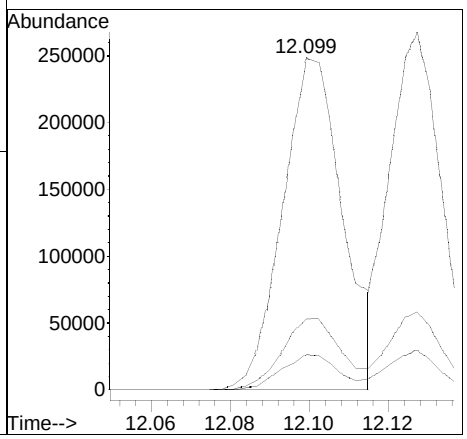


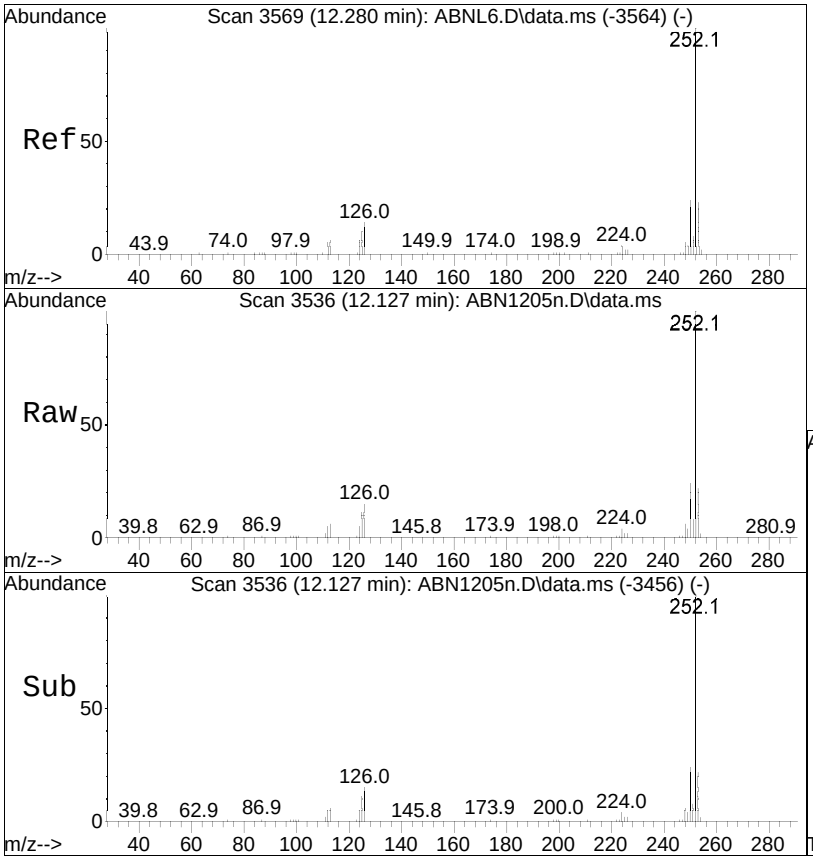


#112
Benzo(b)fluoranthene
Concen: 4.86 ug/ml
RT: 12.099 min Scan# 3527
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:252 Resp: 262789

Ion	Ratio	Lower	Upper
252	100		
125	9.9	13.3	19.9#
253	21.6	17.1	25.7

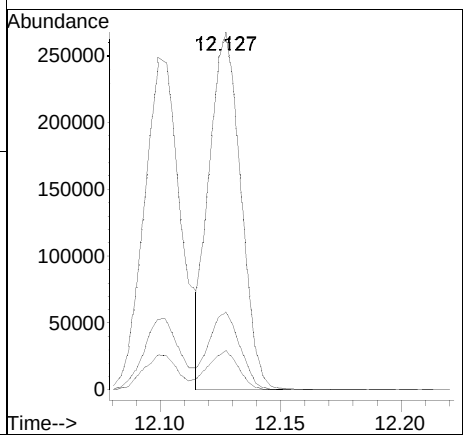


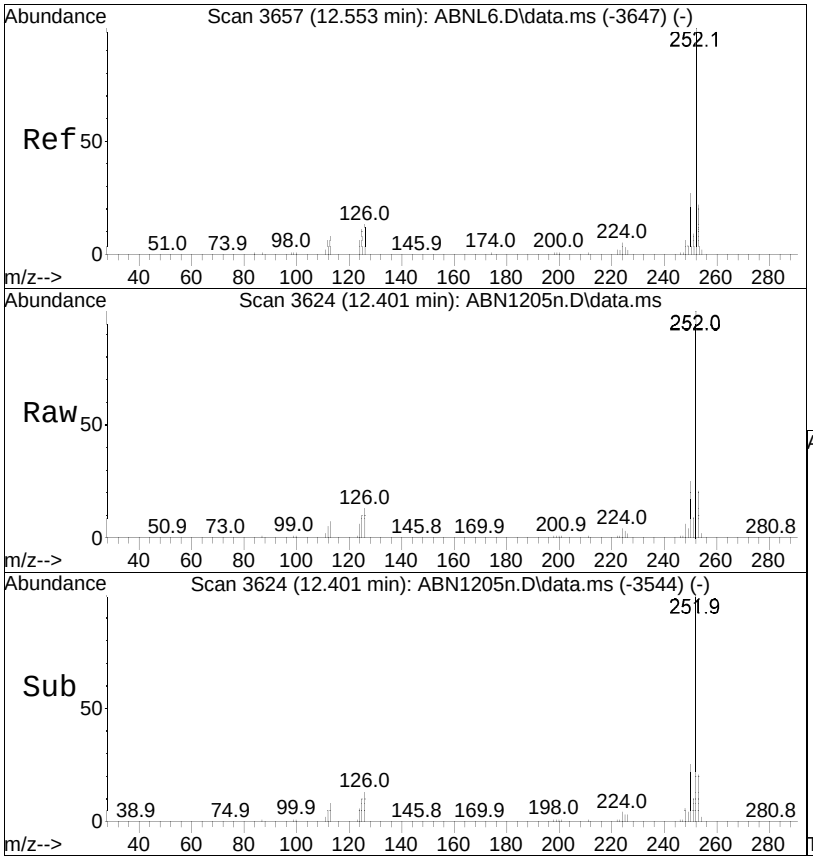


#113
Benzo(k)fluoranthene
Concen: 4.64 ug/ml
RT: 12.127 min Scan# 3536
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:252 Resp: 244174

Ion	Ratio	Lower	Upper
252	100		
125	11.0	13.0	19.6#
253	21.4	16.8	25.2

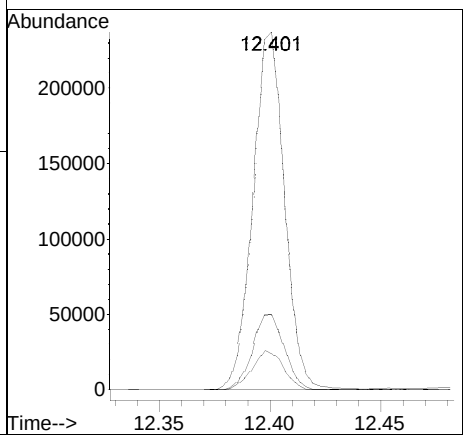


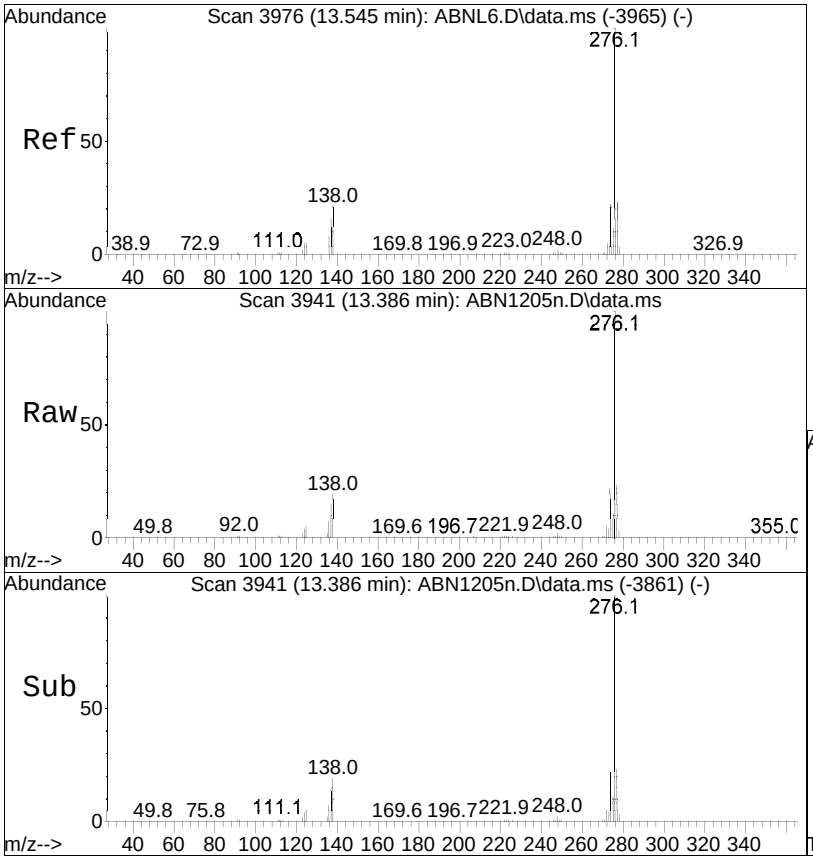


#114
Benzo(a)pyrene
Concen: 4.85 ug/ml
RT: 12.401 min Scan# 3624
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:252 Resp: 233976

Ion	Ratio	Lower	Upper
252	100		
125	11.2	14.2	21.2#
253	21.5	16.9	25.3

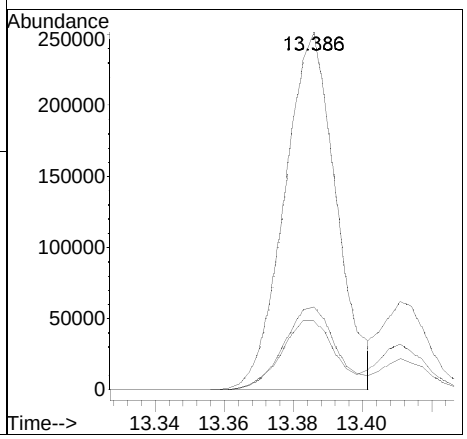


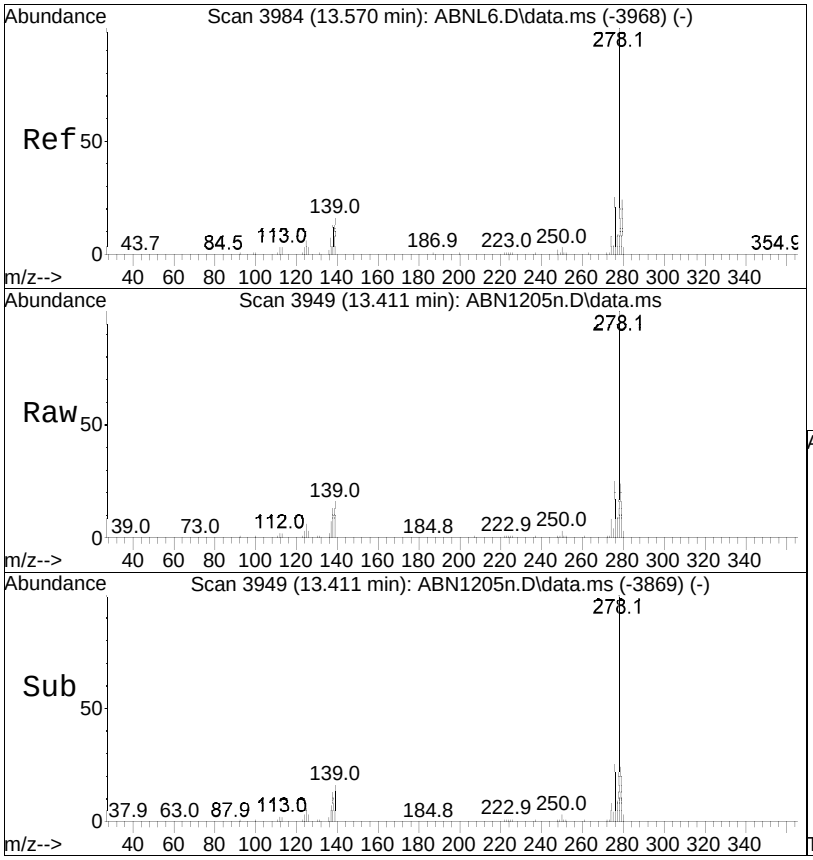


#116
Indeno(1,2,3-cd)pyrene
Concen: 4.64 ug/mL
RT: 13.386 min Scan# 3941
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:276 Resp: 259315

Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.1	37.7#
277	23.9	18.6	28.0

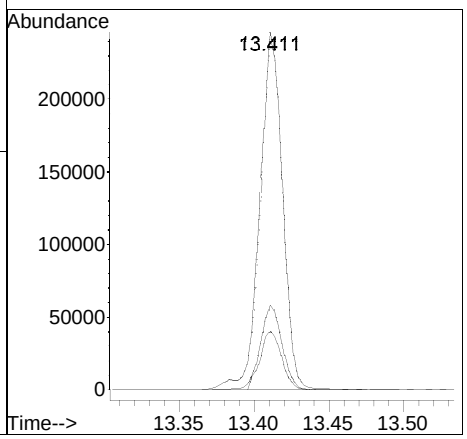


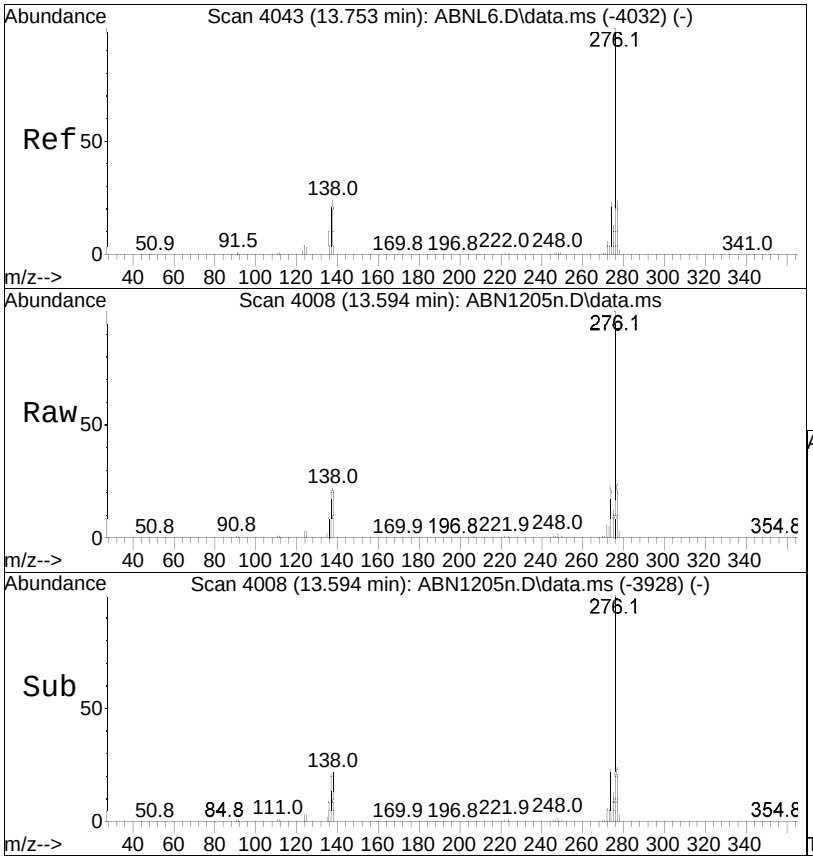


#117
Dibenzo(a,h)anthracene
Concen: 4.67 ug/ml
RT: 13.411 min Scan# 3949
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:278 Resp: 256084

Ion	Ratio	Lower	Upper
278	100		
139	15.6	20.8	31.2#
279	23.0	18.3	27.5

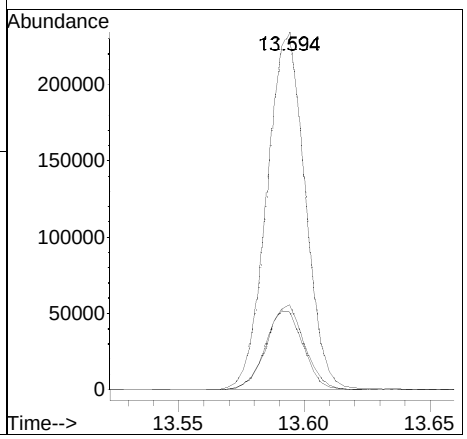




#118
Benzo(ghi)perylene
Concen: 4.55 ug/ml
RT: 13.594 min Scan# 4008
Delta R.T. 0.000 min
Lab File: ABN1205n.D
Acq: 5 Dec 2024 10:46 pm

Tgt Ion:276 Resp: 245640

Ion	Ratio	Lower	Upper
276	100		
138	22.3	29.2	43.8#
277	23.5	18.8	28.2



Manual Integration Report

Data Path	: I:\8270\Dakota\241205NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ABN1205n.D	Operator	: Dakota:smz
Date Inj'd	: 12/5/2024 10:46 pm	Instrument	: Dakota
Sample	: wg2005363-3,32,,ABN RVT CC	Quant Date	: 12/5/2024 11:20 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241205NRVT\
Data File : AP91205n.D
Acq On : 5 Dec 2024 11:08 pm
Operator : Dakota:smz
Sample : wg2005363-4,32,,AP9 RVT CCV Lot # 11152
Misc : wg2005363,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 05 23:26:34 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:27:54 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	74	0.00
28	T	Benzaldehyde	0.703	0.736	-4.7	71	0.00
29	T	Acetophenone	1.403	1.484	-5.8	75	0.00
30	T	m-Toluidine	1.287	1.342	-4.3	75	0.00
31	T	2-Chloroaniline	1.368	1.490	-8.9	77	0.00
57	I	IS2_Naphthalene-d8	1.000	1.000	0.0	79	0.00
58	T	a-Terpineol	0.221	0.221	0.0	74	0.00
59	T	3-Chloroaniline	0.115	0.122	-6.1	77	0.00
60	T	2,6-Dichlorophenol	0.296	0.305	-3.0	75	0.00
61	T	1-chloro-2-nitrobenzene	0.113	0.131	-15.9	81	0.00
62	T	Caprolactam	0.123	0.124	-0.8	77	0.00
63	T	1,2,4,5-Tetrachlorobenzene	0.413	0.420	-1.7	76	0.00
64	T	Biphenyl	0.842	0.876	-4.0	77	0.00
85	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	78	0.00
86	T	Dichloran	0.169	0.180	-6.5	85	0.00
87	T	Pentachloronitrobenzene	0.187	0.196	-4.8	85	0.00
100	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	80	0.00
101	T	Diphenamid	0.416	0.449	-7.9	83	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\241205NRVT\
Data File : AP91205n.D
Acq On : 5 Dec 2024 11:08 pm
Operator : Dakota:smz
Sample : wg2005363-4,32,,AP9 RVT CCV Lot # 11152
Misc : wg2005363,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 05 23:26:34 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:27:54 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...	4.152	152	20895	4.000	ug/ml		0.00
57)	IS2_Naphthalene-d8	5.392	136	77460	4.000	ug/ml	#	0.00
85)	IS2_Acenaphthene-d10	7.079	164	50300	4.000	ug/ml		0.00
100)	IS2_Phenanthrene-d10	8.491	188	114159	4.000	ug/ml		0.00
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.713	105	19231	5.233	ug/ml		98
29)	Acetophenone	4.568	105	38761	5.287	ug/ml	#	78
30)	m-Toluidine	4.655	106	35063	5.216	ug/ml		95
31)	2-Chloroaniline	5.009	127	38912	5.445	ug/ml	#	91
58)	a-Terpineol	5.463	59	21397	4.990	ug/ml	#	78
59)	3-Chloroaniline	5.479	65	11844	5.337	ug/ml		94
60)	2,6-Dichlorophenol	5.501	162	29534	5.160	ug/ml	#	81
61)	1-chloro-2-nitrobenzene	5.752	111	12662	5.764	ug/ml	#	1
62)	Caprolactam	5.790	55	11996	5.040	ug/ml	#	71
63)	1,2,4,5-Tetrachloroben...	6.259	216	40713	5.091	ug/ml	#	95
64)	Biphenyl	6.551	154	84776	5.201	ug/ml		97
86)	Dichloran	8.208	206	11319	5.327	ug/ml	#	57
87)	Pentachloronitrobenzene	8.351	237	12323	5.253	ug/ml	#	77
101)	Diphenamid	9.407	167	64010	5.392	ug/ml	#	73

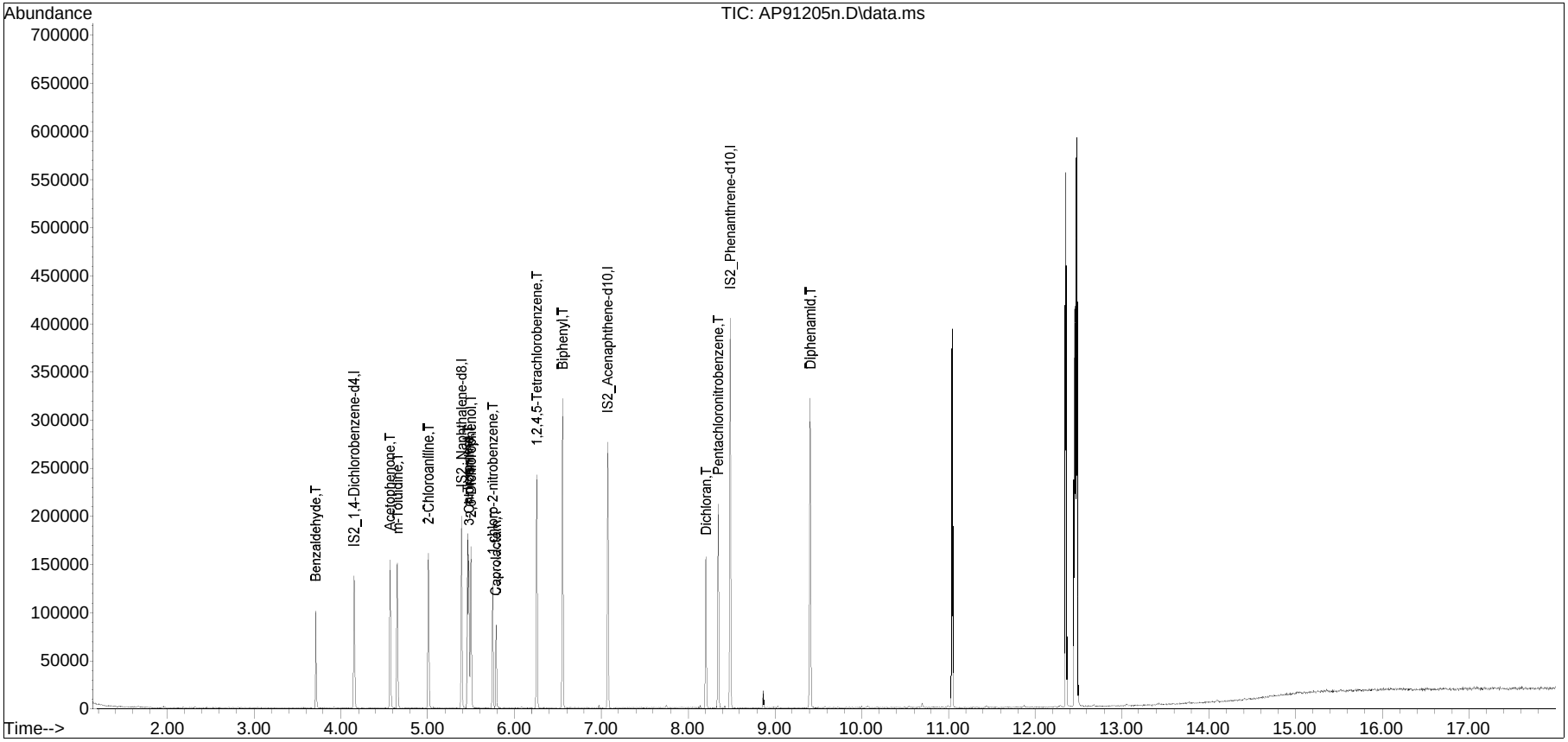
(#) = qualifier out of range (m) = manual integration (+) = signals summed

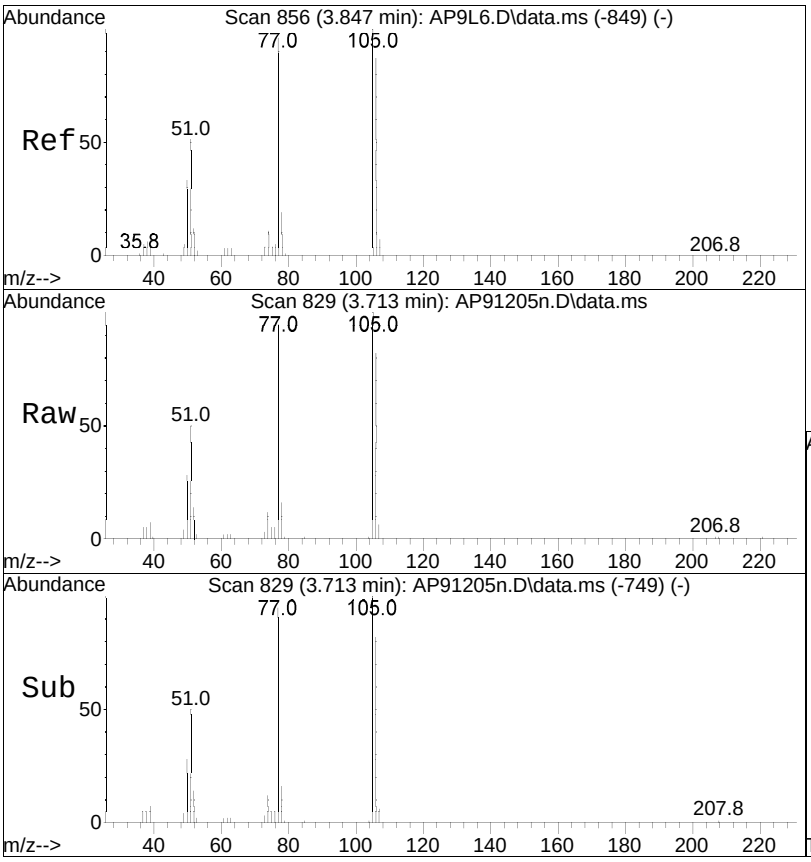
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : AP91205n.D
Acq On : 5 Dec 2024 11:08 pm
Operator : Dakota:smz
Sample : wg2005363-4,32,,AP9 RVT CCV Lot # 11152
Misc : wg2005363,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 05 23:26:34 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:27:54 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

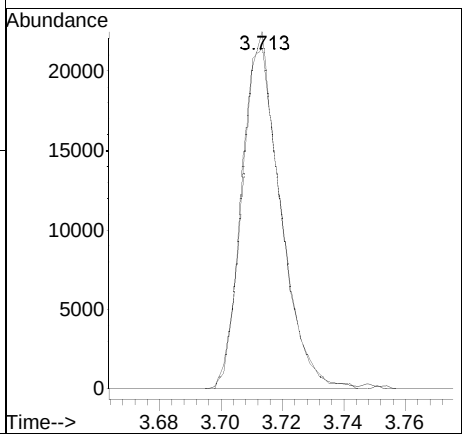


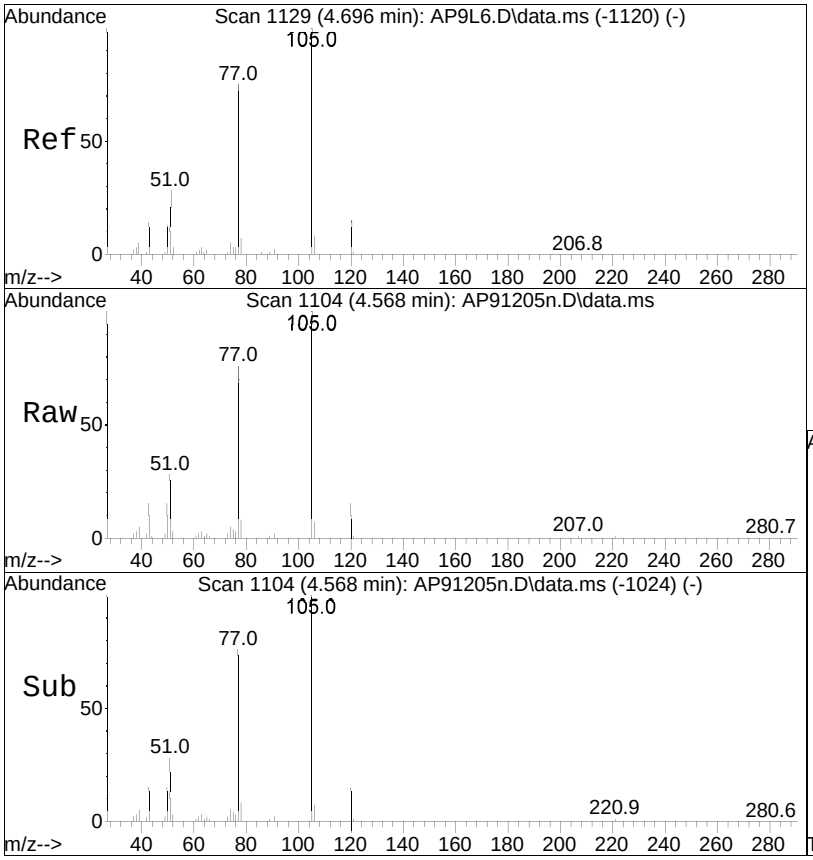


#28
Benzaldehyde
Concen: 5.23 ug/ml
RT: 3.713 min Scan# 829
Delta R.T. 0.000 min
Lab File: AP91205n.D
Acq: 5 Dec 2024 11:08 pm

Tgt Ion:105 Resp: 19231

Ion	Ratio	Lower	Upper
105	100		
77	100.4	82.2	123.4

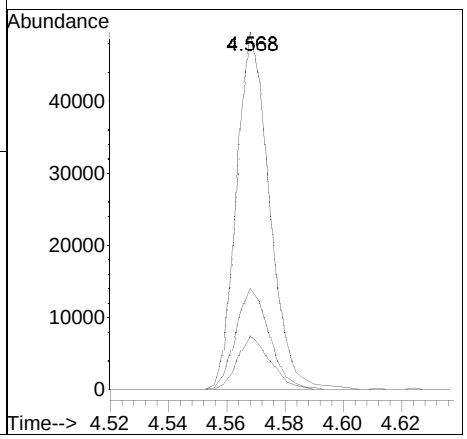


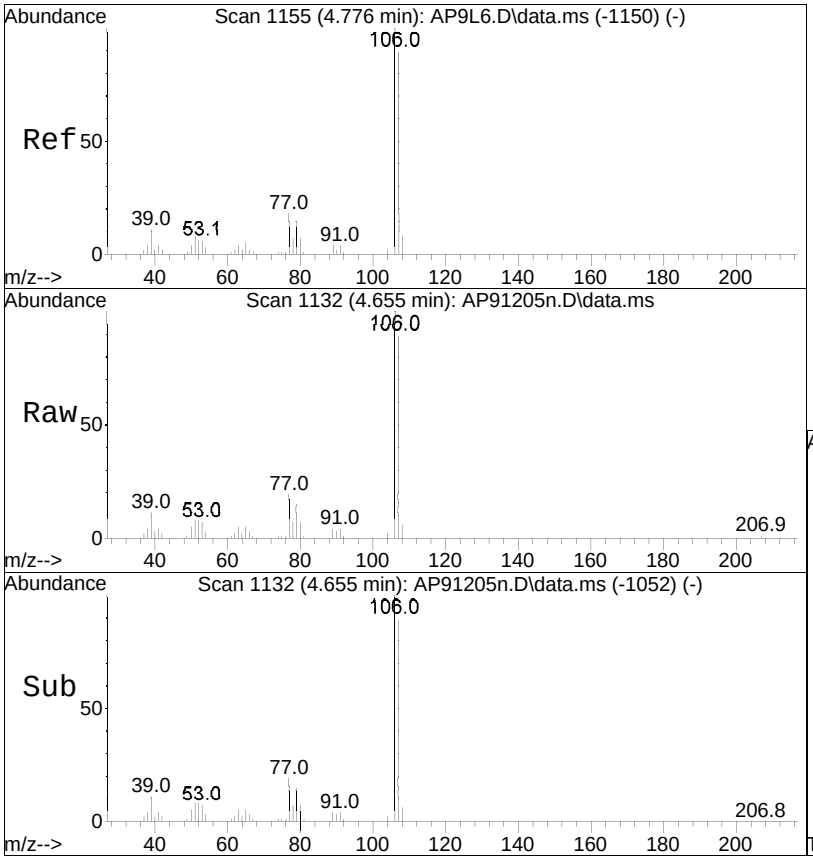


#29
Acetophenone
Concen: 5.29 ug/ml
RT: 4.568 min Scan# 1104
Delta R.T. 0.000 min
Lab File: AP91205n.D
Acq: 5 Dec 2024 11:08 pm

Tgt Ion:105 Resp: 38761

Ion	Ratio	Lower	Upper
105	100		
120	14.9	20.5	30.7#
51	28.9	34.9	52.3#

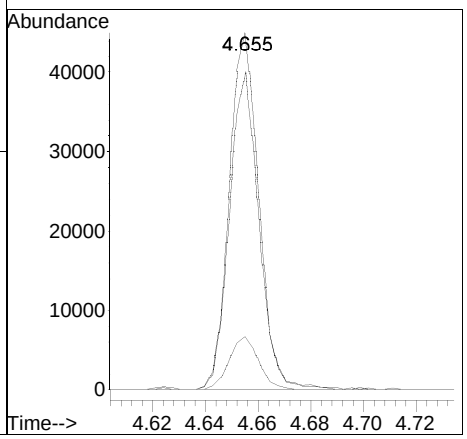


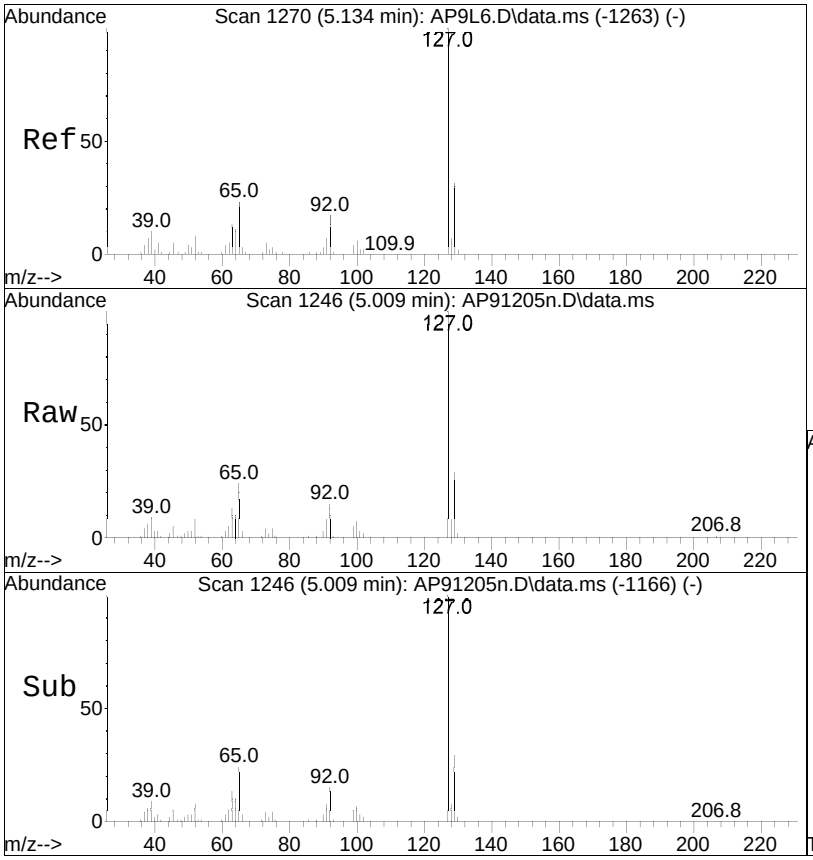


#30
m-Toluidine
Concen: 5.22 ug/ml
RT: 4.655 min Scan# 1132
Delta R.T. 0.000 min
Lab File: AP91205n.D
Acq: 5 Dec 2024 11:08 pm

Tgt Ion:106 Resp: 35063

Ion	Ratio	Lower	Upper
106	100		
107	88.6	75.7	113.5
79	14.7	11.8	17.8

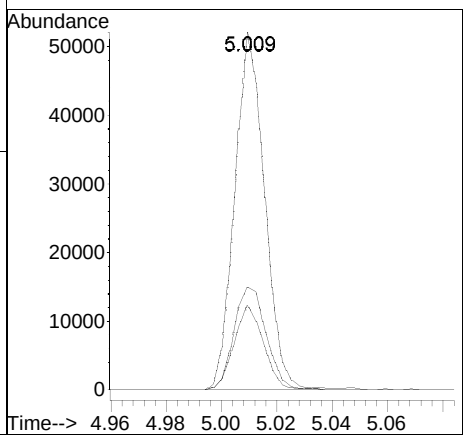


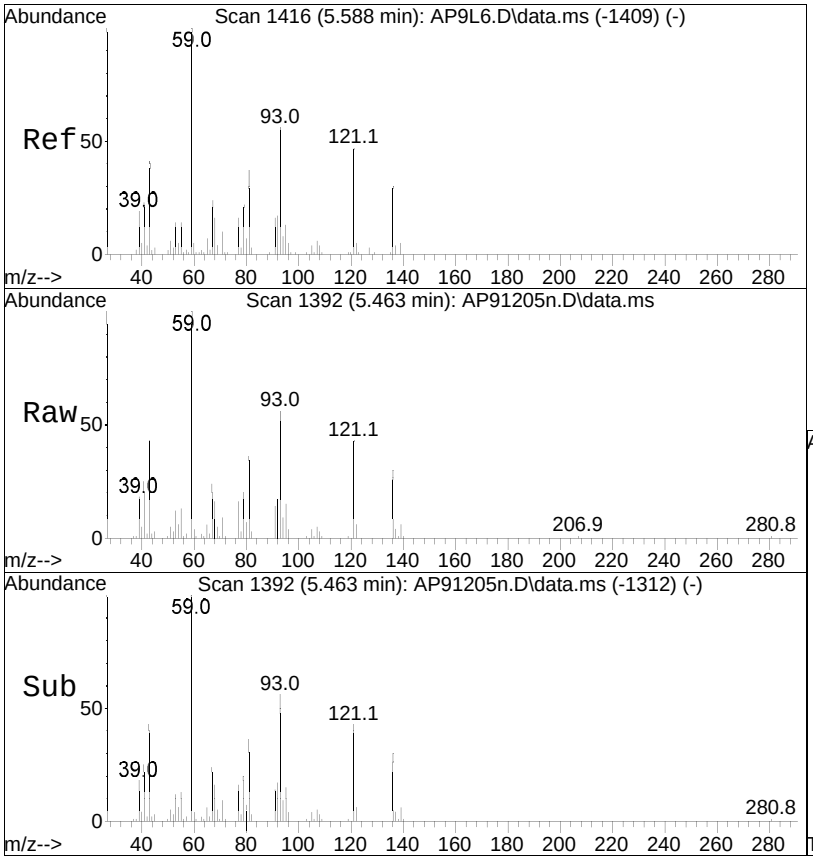


#31
2-Chloroaniline
Concen: 5.45 ug/ml
RT: 5.009 min Scan# 1246
Delta R.T. 0.000 min
Lab File: AP91205n.D
Acq: 5 Dec 2024 11:08 pm

Tgt Ion:127 Resp: 38912

Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.9	38.9
65	23.5	26.3	39.5#

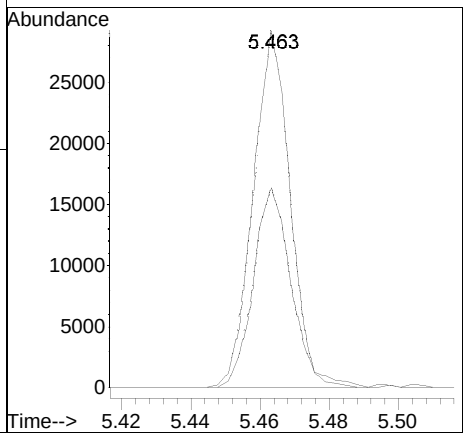


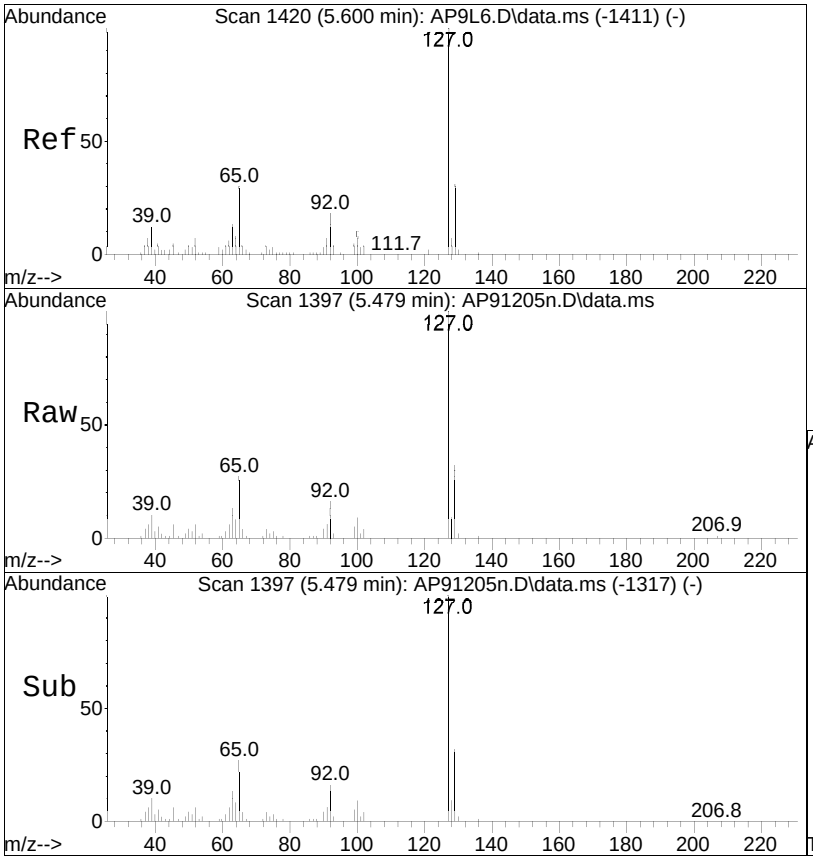


#58
a-Terpineol
Concen: 4.99 ug/ml
RT: 5.463 min Scan# 1392
Delta R.T. 0.000 min
Lab File: AP91205n.D
Acq: 5 Dec 2024 11:08 pm

Tgt Ion: 59 Resp: 21397

Ion	Ratio	Lower	Upper
59	100		
93	58.5	35.6	53.4#

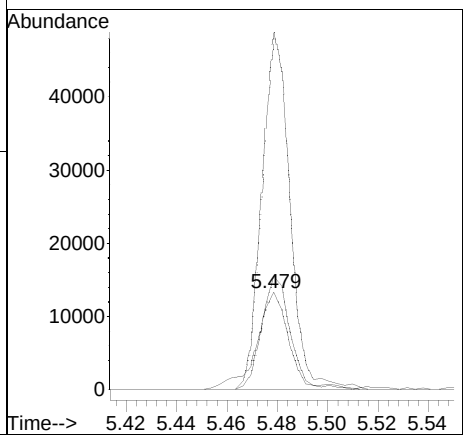


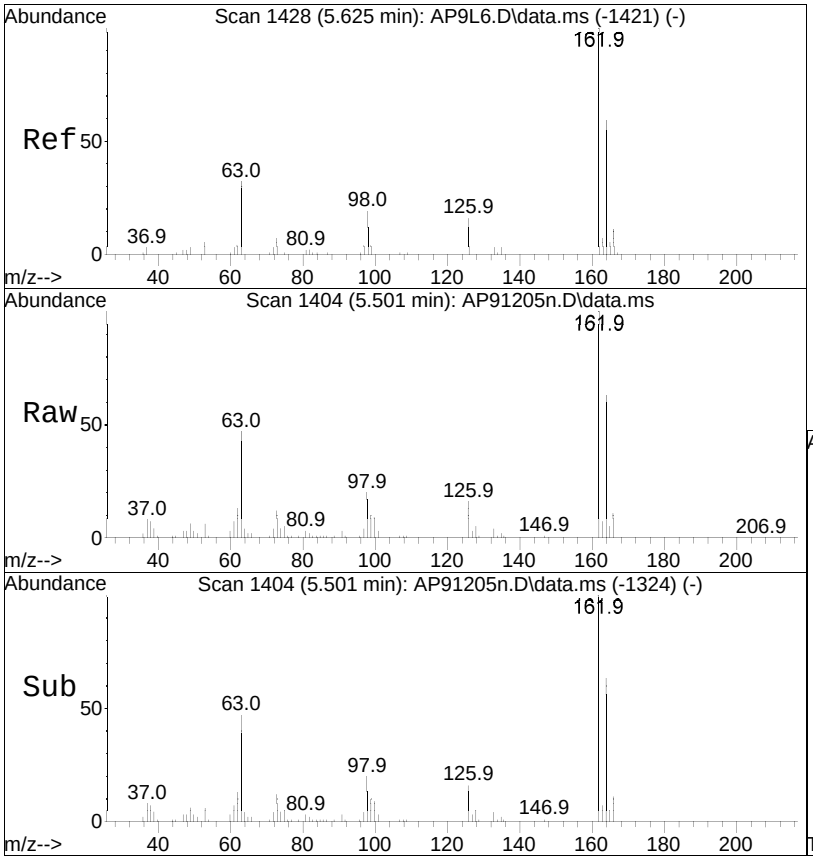


#59
3-Chloroaniline
Concen: 5.34 ug/ml
RT: 5.479 min Scan# 1397
Delta R.T. 0.000 min
Lab File: AP91205n.D
Acq: 5 Dec 2024 11:08 pm

Tgt Ion: 65 Resp: 11844

Ion	Ratio	Lower	Upper
65	100		
127	316.4	243.2	364.8
129	102.7	78.8	118.2

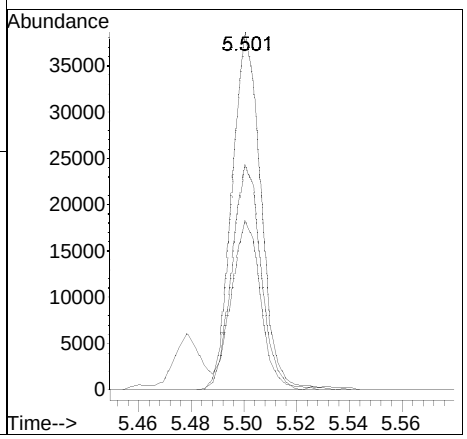


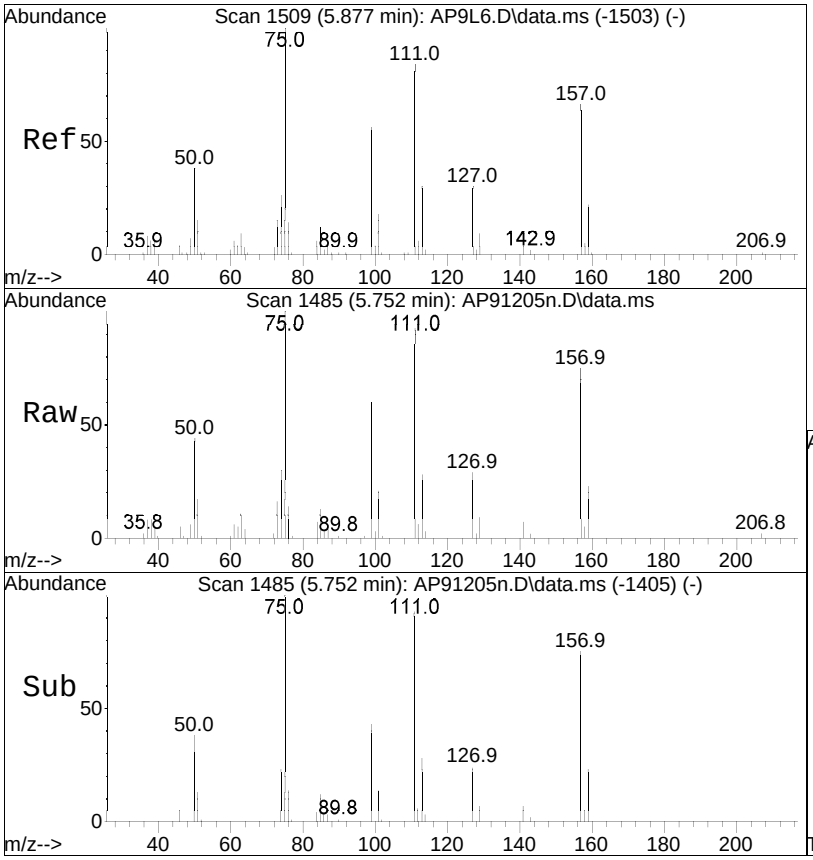


#60
2,6-Dichlorophenol
Concen: 5.16 ug/ml
RT: 5.501 min Scan# 1404
Delta R.T. 0.000 min
Lab File: AP91205n.D
Acq: 5 Dec 2024 11:08 pm

Tgt Ion:162 Resp: 29534

Ion	Ratio	Lower	Upper
162	100		
164	62.8	51.1	76.7
63	47.7	60.8	91.2#

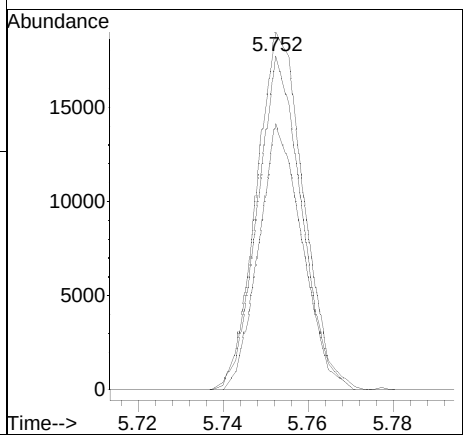


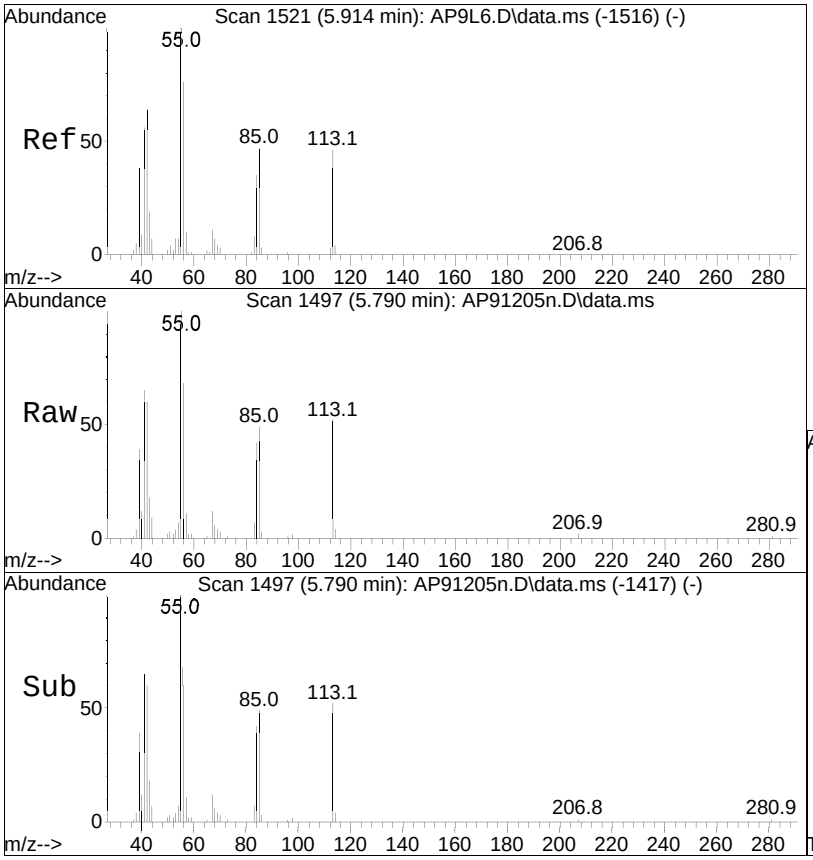


#61
1-chloro-2-nitrobenzene
Concen: 5.76 ug/ml
RT: 5.752 min Scan# 1485
Delta R.T. 0.000 min
Lab File: AP91205n.D
Acq: 5 Dec 2024 11:08 pm

Tgt Ion:111 Resp: 12662

Ion	Ratio	Lower	Upper
111	100		
157	78.9	0.0	0.0#
75	114.7	28.2	42.2#

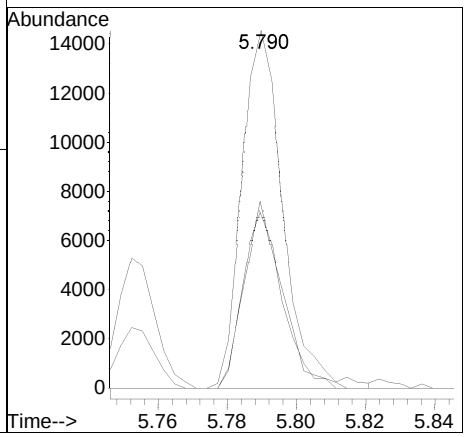


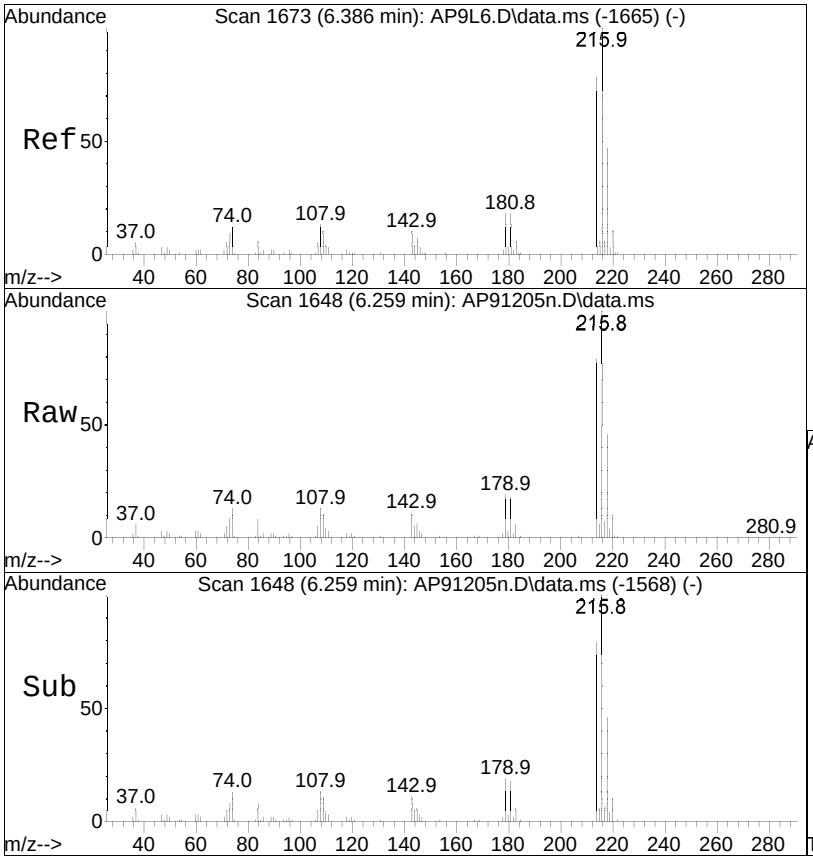


#62
Caprolactam
Concen: 5.04 ug/ml
RT: 5.790 min Scan# 1497
Delta R.T. 0.000 min
Lab File: AP91205n.D
Acq: 5 Dec 2024 11:08 pm

Tgt Ion: 55 Resp: 11996

Ion	Ratio	Lower	Upper
55	100		
85	47.0	19.8	29.6#
113	48.0	29.6	44.4#

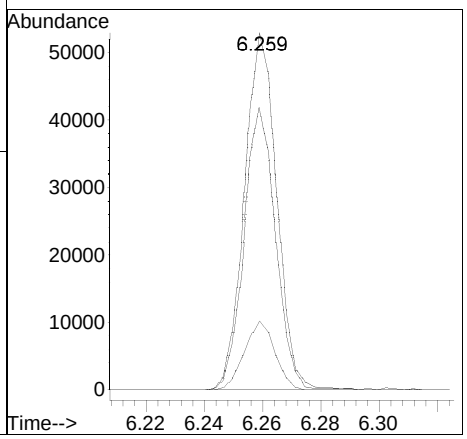


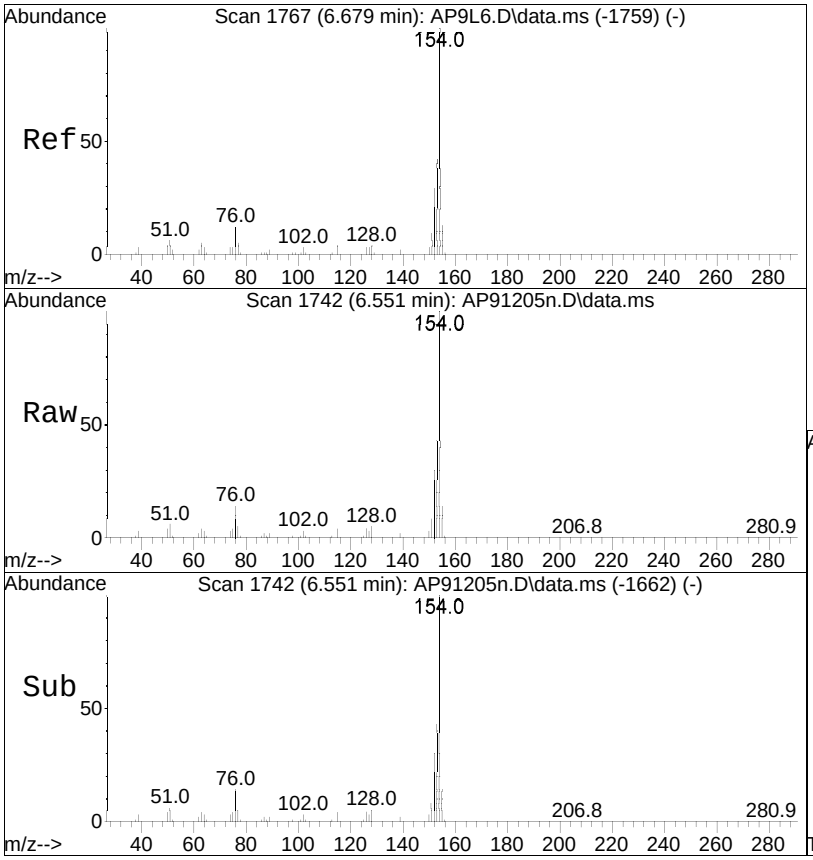


#63
1,2,4,5-Tetrachlorobenzene
Concen: 5.09 ug/ml
RT: 6.259 min Scan# 1648
Delta R.T. 0.000 min
Lab File: AP91205n.D
Acq: 5 Dec 2024 11:08 pm

Tgt Ion:216 Resp: 40713

Ion	Ratio	Lower	Upper
216	100		
214	77.0	63.7	95.5
179	18.2	19.0	28.6#

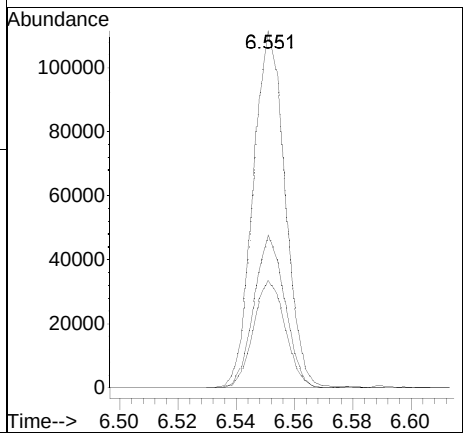


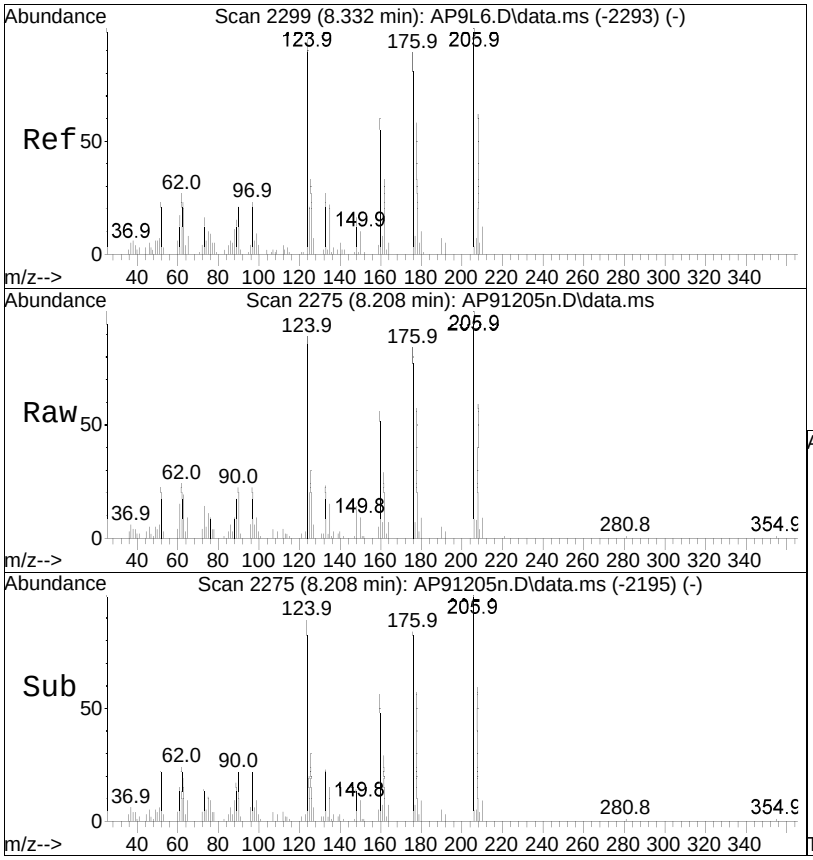


#64
Biphenyl
Concen: 5.20 ug/ml
RT: 6.551 min Scan# 1742
Delta R.T. 0.000 min
Lab File: AP91205n.D
Acq: 5 Dec 2024 11:08 pm

Tgt Ion:154 Resp: 84776

Ion	Ratio	Lower	Upper
154	100		
153	41.6	32.3	48.5
152	30.1	22.5	33.7

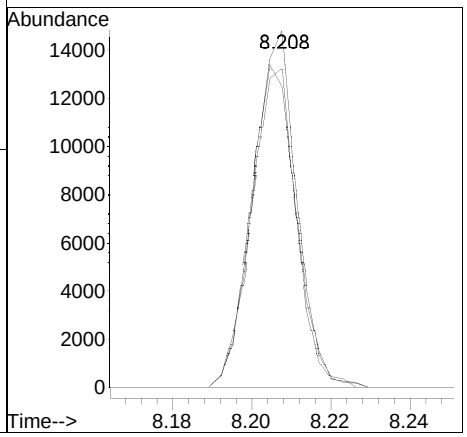


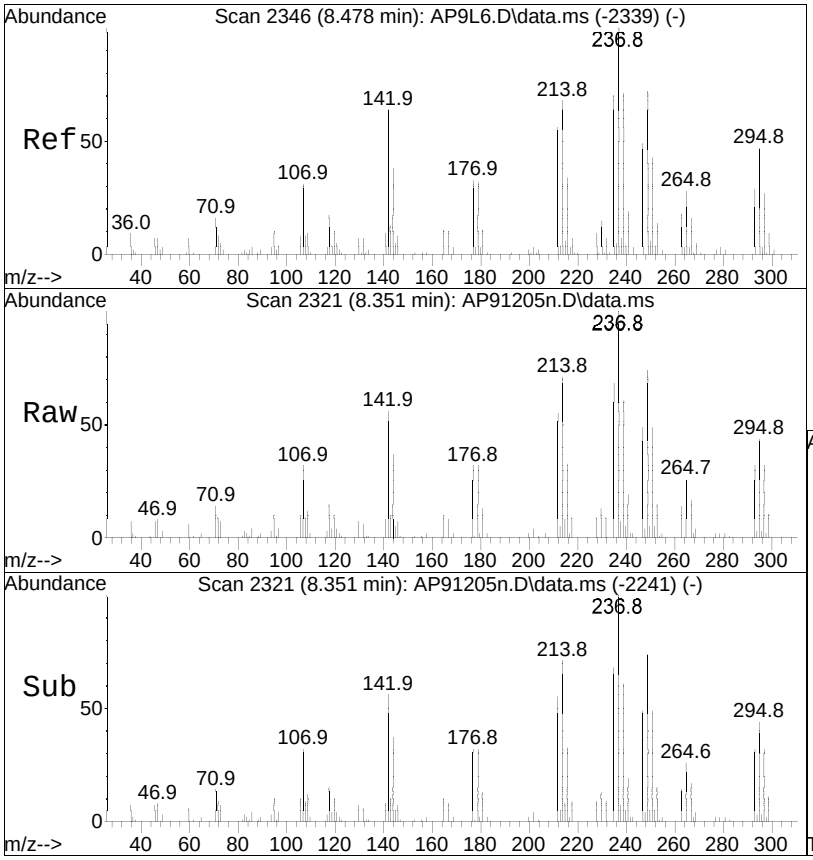


#86
Dichloran
Concen: 5.33 ug/ml
RT: 8.208 min Scan# 2275
Delta R.T. 0.000 min
Lab File: AP91205n.D
Acq: 5 Dec 2024 11:08 pm

Tgt Ion:206 Resp: 11319

Ion	Ratio	Lower	Upper
206	100		
176	94.7	104.6	157.0#
124	91.7	130.5	195.7#

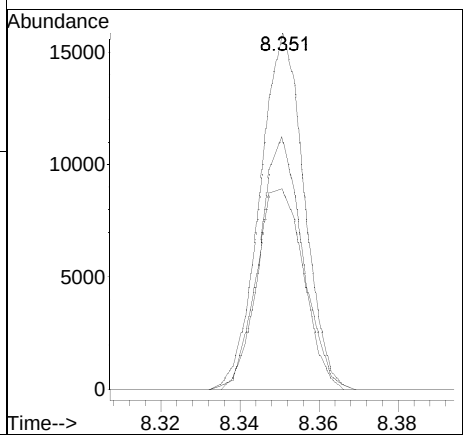


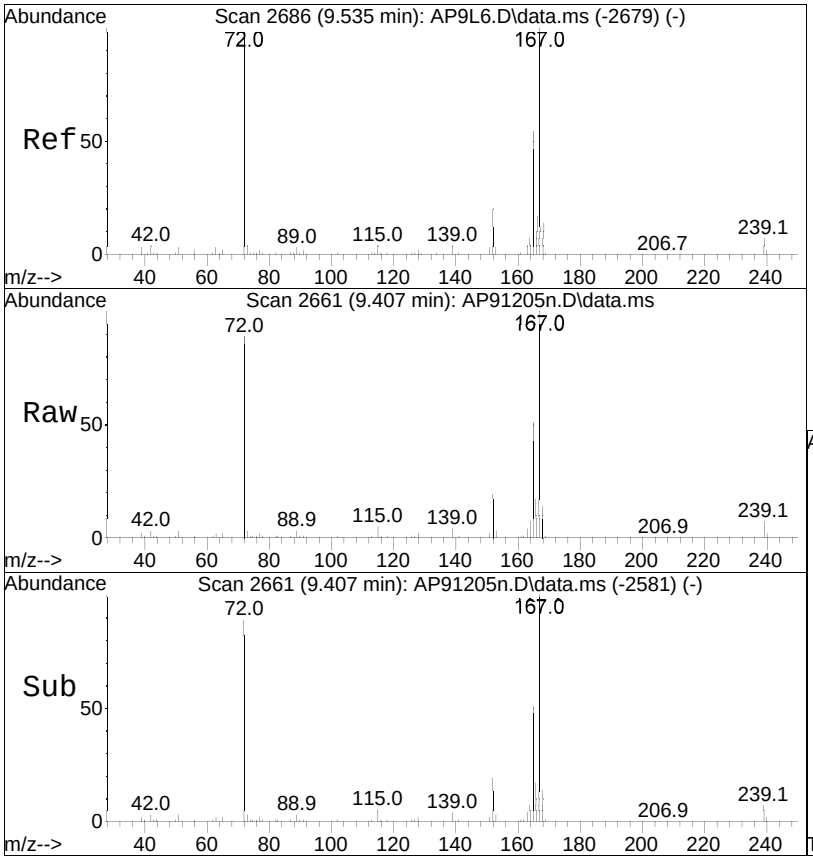


#87
Pentachloronitrobenzene
Concen: 5.25 ug/ml
RT: 8.351 min Scan# 2321
Delta R.T. 0.000 min
Lab File: AP91205n.D
Acq: 5 Dec 2024 11:08 pm

Tgt Ion:237 Resp: 12323

Ion	Ratio	Lower	Upper
237	100		
142	60.8	77.0	115.4#
214	68.2	58.2	87.4

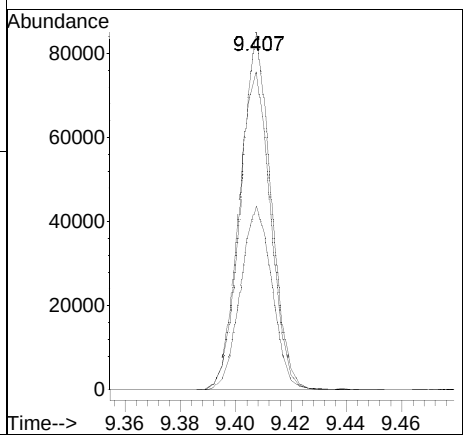




#101
Diphenamid
Concen: 5.39 ug/ml
RT: 9.407 min Scan# 2661
Delta R.T. 0.000 min
Lab File: AP91205n.D
Acq: 5 Dec 2024 11:08 pm

Tgt Ion:167 Resp: 64010

Ion	Ratio	Lower	Upper
167	100		
72	94.1	109.7	164.5#
165	53.9	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\Dakota\241205NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: AP91205n.D	Operator	: Dakota:smz
Date Inj'd	: 12/5/2024 11:08 pm	Instrument	: Dakota
Sample	: wg2005363-4,32,,AP9 RVT CC	Quant Date	: 12/5/2024 11:28 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241205NRVT\
Data File : ADP1205n.D
Acq On : 5 Dec 2024 11:31 pm
Operator : Dakota:smz
Sample : wg2005363-5,32,,ADP RVT CCV Lot # 11153
Misc : wg2005363,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 05 23:49:18 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:39 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	77	0.00
33	T	1,4-Dioxane		0.381	0.417	-9.4	79	0.00
35	T	n-Decane		1.048	1.043	0.5	73	0.00
88	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	82	0.00
89	T	Atrazine		0.343	0.323	5.8	77	0.00
102	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	80	0.00
103	T	n-Octadecane		0.334	0.321	3.9	78	0.00
104	T	Parathion	*	5.000	4.813	3.7	87	0.00
105	T	3,3'-Dimethylbenzidine		0.728	0.739	-1.5	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\Dakota\241205NRVT\
Data File : ADP1205n.D
Acq On : 5 Dec 2024 11:31 pm
Operator : Dakota:smz
Sample : wg2005363-5,32,,ADP RVT CCV Lot # 11153
Misc : wg2005363,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 05 23:49:18 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:39 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...	4.152	152	20712	4.000	ug/ml	0.00
88) IS3_Acenaphthene-d10	7.079	164	49437	4.000	ug/ml	0.00
102) IS3_Phenanthrene-d10	8.490	188	107755	4.000	ug/ml	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.270	88	10798	5.474	ug/ml#	87
35) n-Decane	4.058	57	26995	4.973	ug/ml#	30
89) Atrazine	8.298	200	19950	4.705	ug/ml	92
103) n-Octadecane	8.512	57	43249	4.811	ug/ml#	1
104) Parathion	9.292	109	10775	4.813	ug/ml	92
105) 3,3'-Dimethylbenzidine	10.526	212	99472	5.071	ug/ml	98

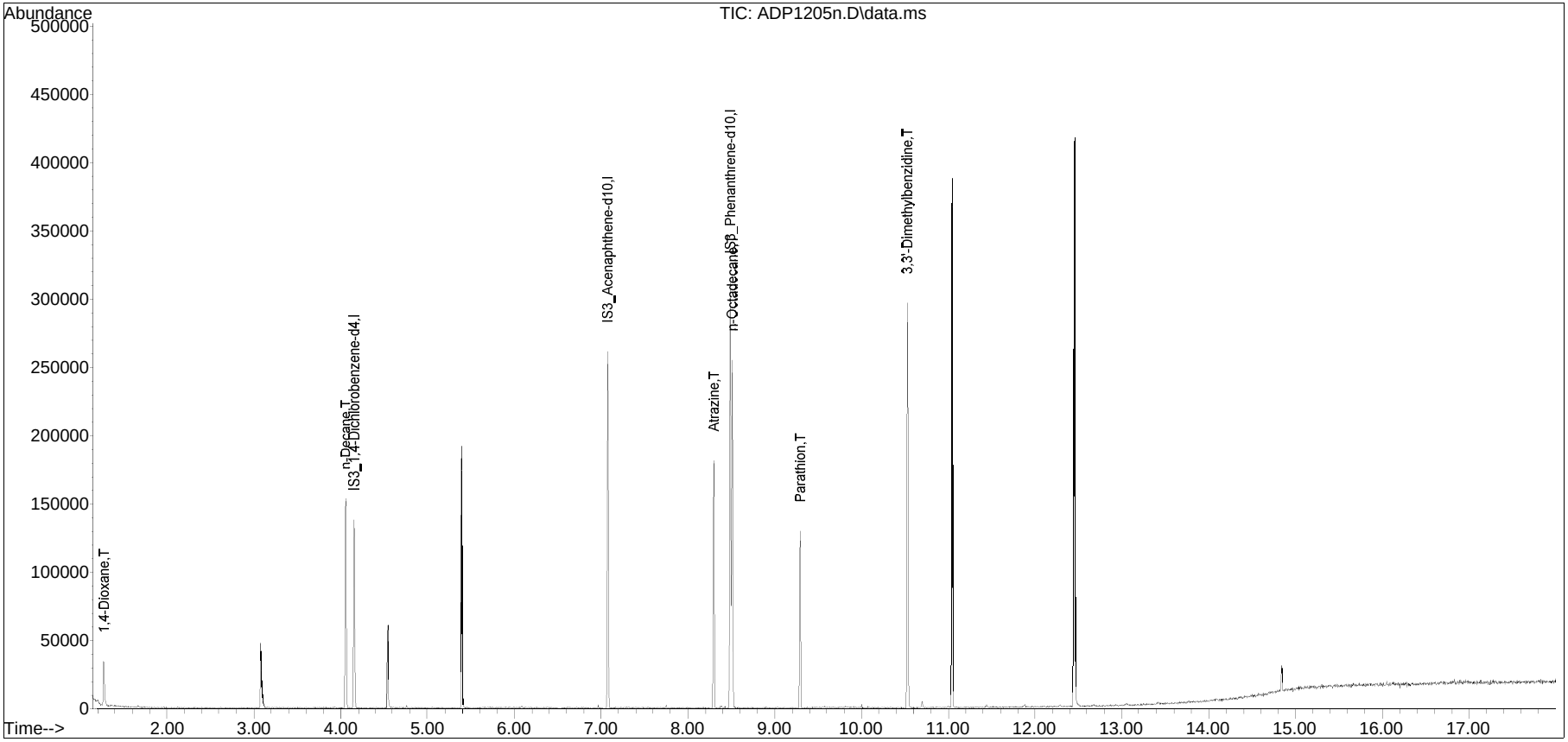
(#) = qualifier out of range (m) = manual integration (+) = signals summed

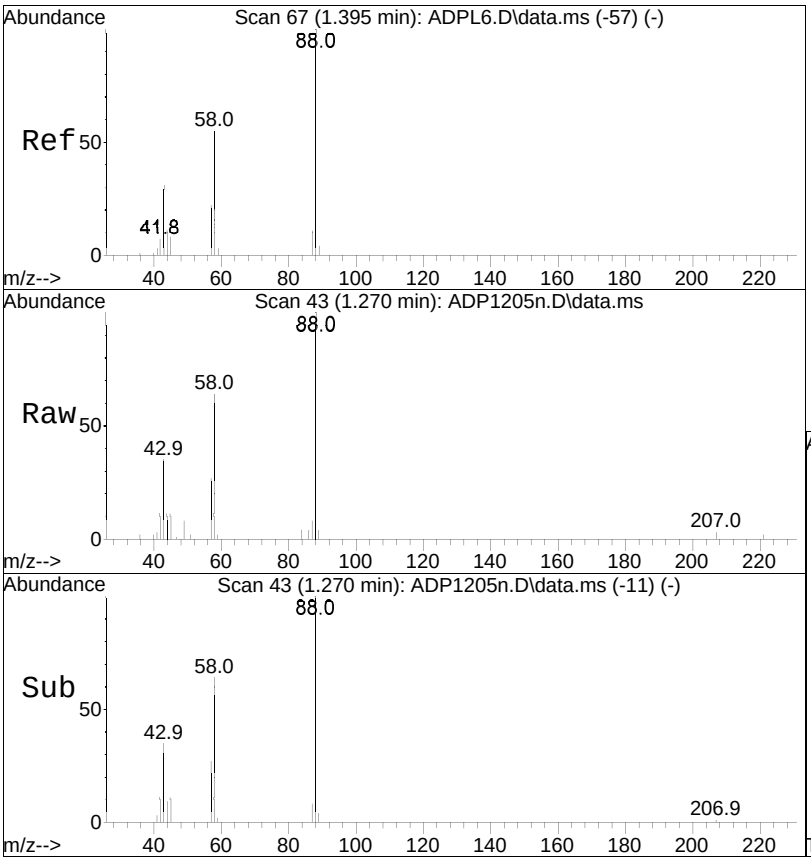
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : ADP1205n.D
Acq On : 5 Dec 2024 11:31 pm
Operator : Dakota:smz
Sample : wg2005363-5,32,,ADP RVT CCV Lot # 11153
Misc : wg2005363,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 05 23:49:18 2024
Quant Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 23:50:39 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

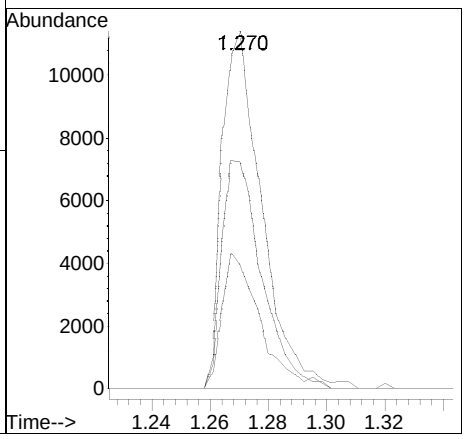


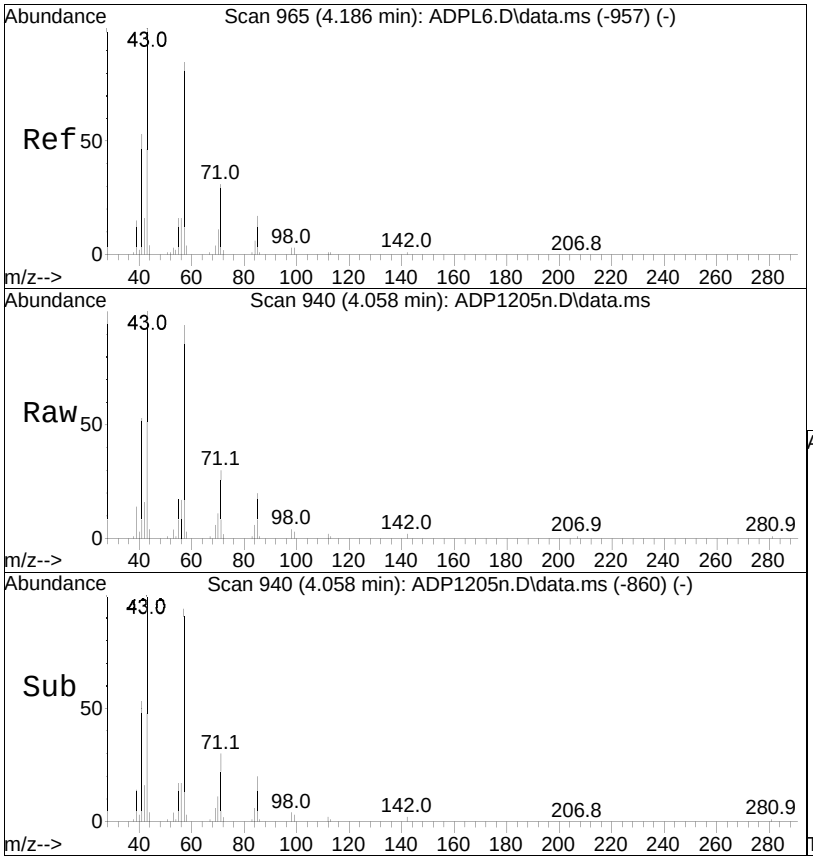


#33
1,4-Dioxane
Concen: 5.47 ug/ml
RT: 1.270 min Scan# 43
Delta R.T. 0.000 min
Lab File: ADP1205n.D
Acq: 5 Dec 2024 11:31 pm

Tgt Ion: 88 Resp: 10798

Ion	Ratio	Lower	Upper
88	100		
58	64.4	44.8	67.2
43	36.5	22.4	33.6#

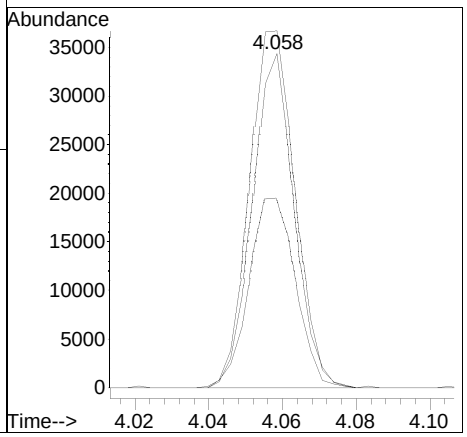


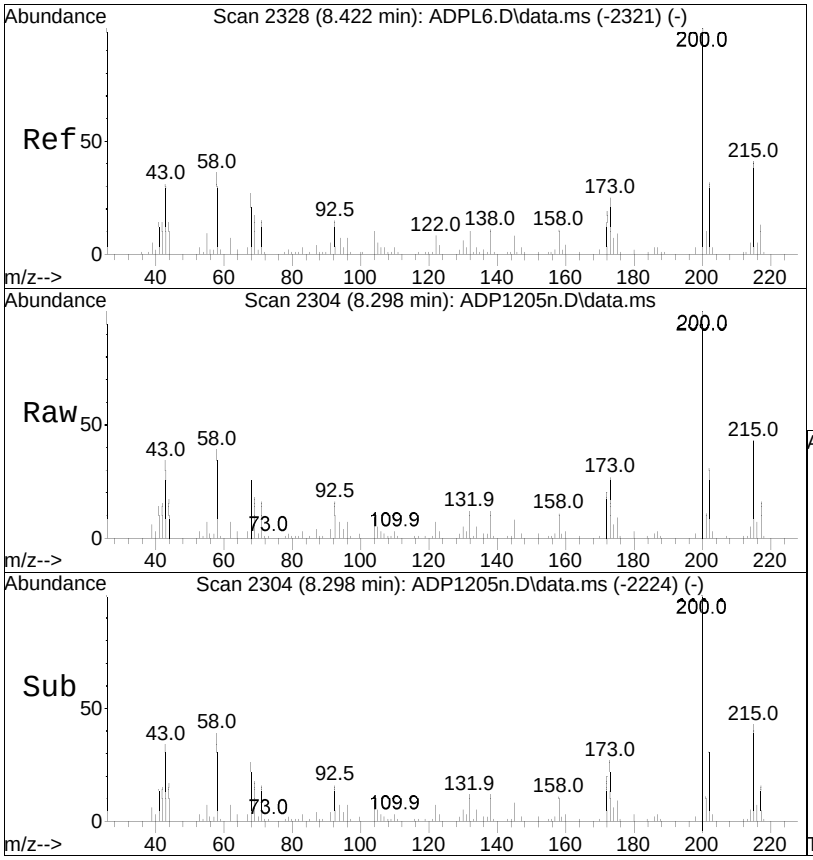


#35
n-Decane
Concen: 4.97 ug/ml
RT: 4.058 min Scan# 940
Delta R.T. 0.000 min
Lab File: ADP1205n.D
Acq: 5 Dec 2024 11:31 pm

Tgt Ion: 57 Resp: 26995

Ion	Ratio	Lower	Upper
57	100		
43	116.5	0.2	0.2#
41	63.2	0.2	0.2#

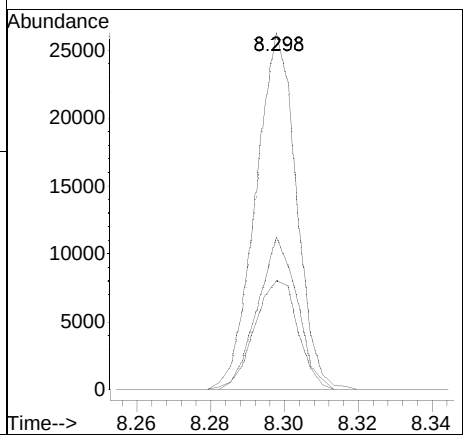


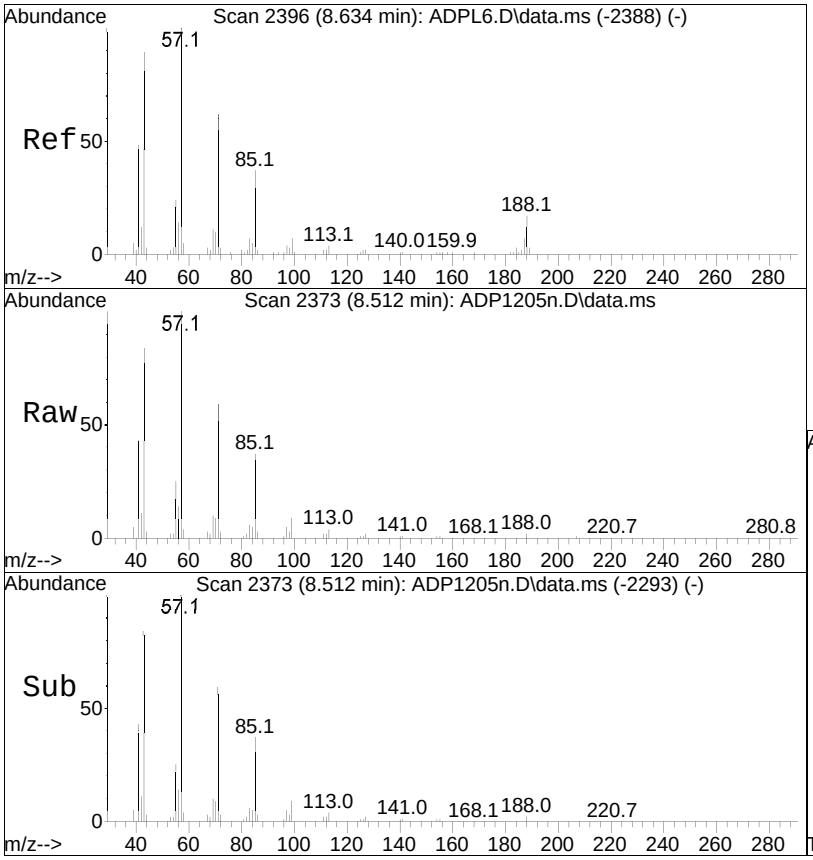


#89
Atrazine
Concen: 4.70 ug/ml
RT: 8.298 min Scan# 2304
Delta R.T. 0.000 min
Lab File: ADP1205n.D
Acq: 5 Dec 2024 11:31 pm

Tgt Ion:200 Resp: 19950

Ion	Ratio	Lower	Upper
200	100		
202	32.8	25.8	38.6
215	41.7	40.2	60.4

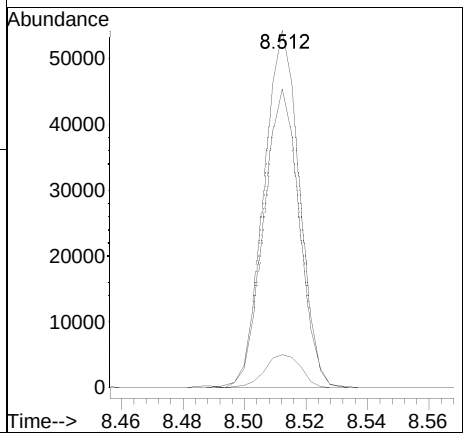


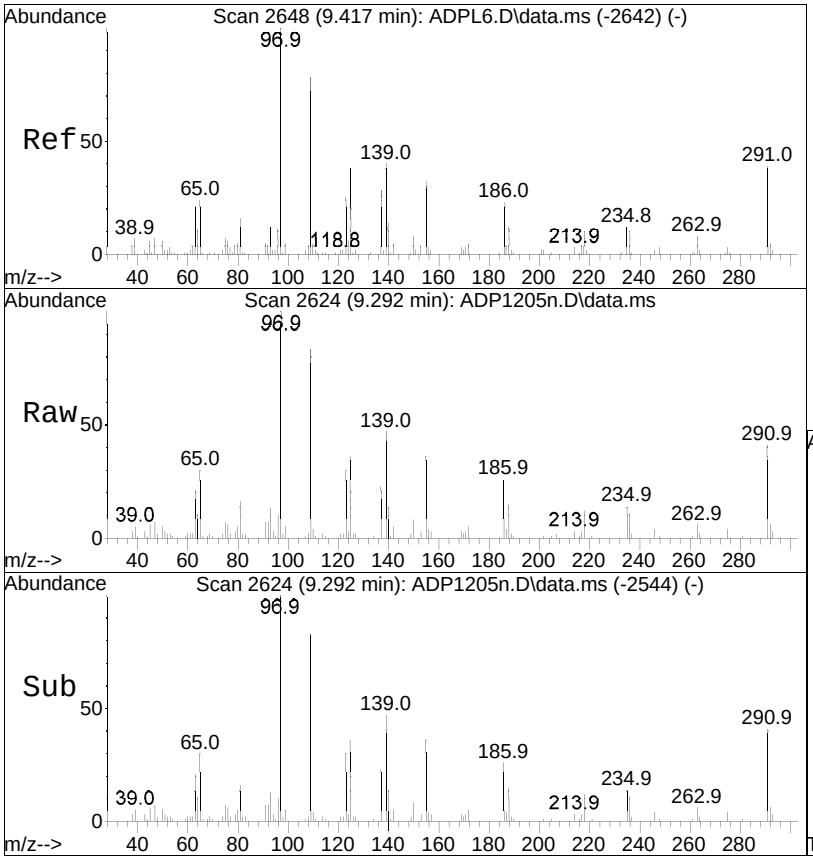


#103
n-Octadecane
Concen: 4.81 ug/ml
RT: 8.512 min Scan# 2373
Delta R.T. 0.000 min
Lab File: ADP1205n.D
Acq: 5 Dec 2024 11:31 pm

Tgt Ion: 57 Resp: 43249

Ion	Ratio	Lower	Upper
57	100		
43	84.2	9.0	13.6#
70	9.4	0.2	0.2#

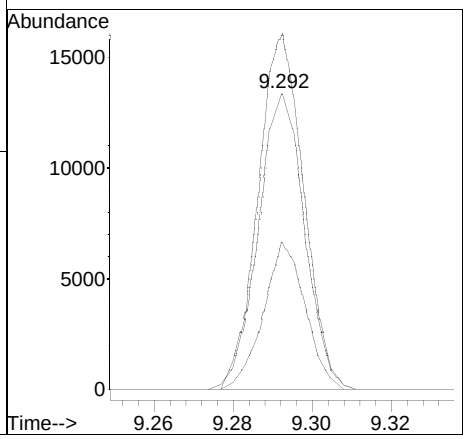


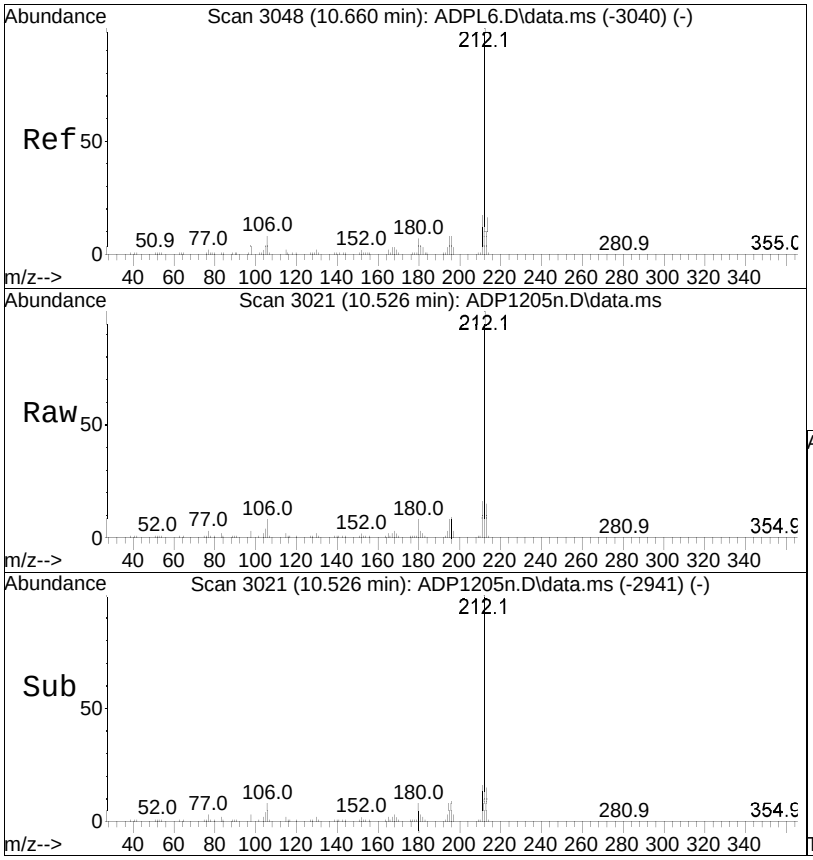


#104
Parathion
Concen: 4.81 ug/ml
RT: 9.292 min Scan# 2624
Delta R.T. 0.000 min
Lab File: ADP1205n.D
Acq: 5 Dec 2024 11:31 pm

Tgt Ion:109 Resp: 10775

Ion	Ratio	Lower	Upper
109	100		
97	118.7	87.4	131.2
291	45.3	34.2	51.2

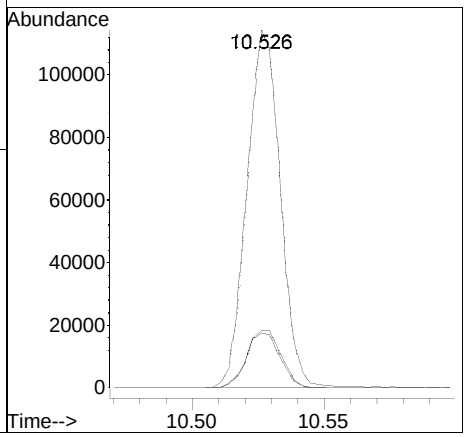




#105
3,3'-Dimethylbenzidine
Concen: 5.07 ug/ml
RT: 10.526 min Scan# 3021
Delta R.T. 0.000 min
Lab File: ADP1205n.D
Acq: 5 Dec 2024 11:31 pm

Tgt Ion:212 Resp: 99472

Ion	Ratio	Lower	Upper
212	100		
211	16.6	12.9	19.3
213	15.7	13.2	19.8



Manual Integration Report

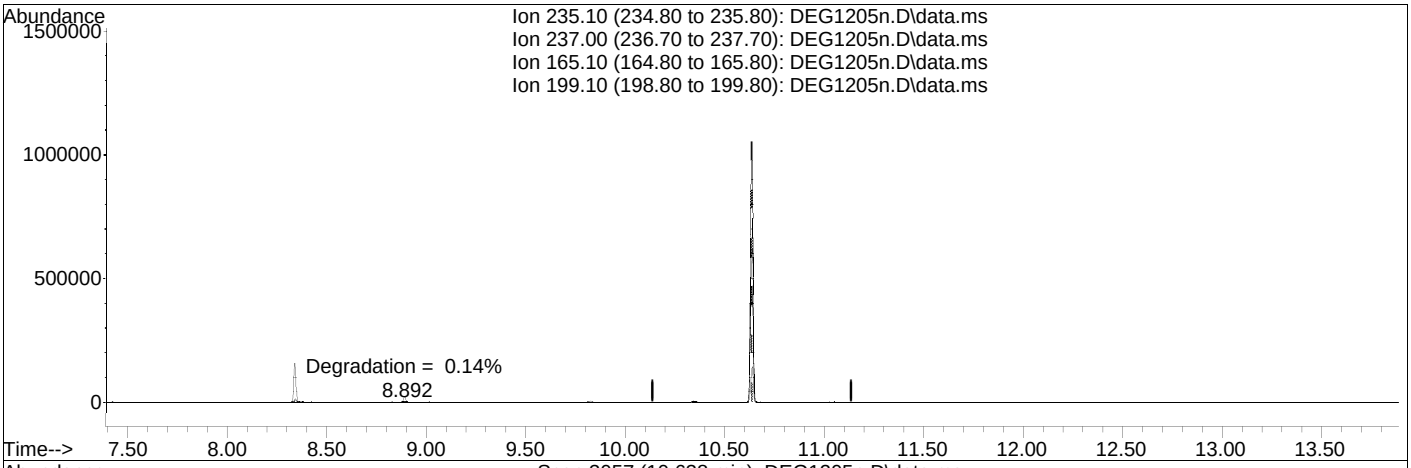
Data Path	: I:\8270\Dakota\241205NRVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ADP1205n.D	Operator	: Dakota:smz
Date Inj'd	: 12/5/2024 11:31 pm	Instrument	: Dakota
Sample	: wg2005363-5,32,,ADP RVT CC	Quant Date	: 12/5/2024 11:50 pm

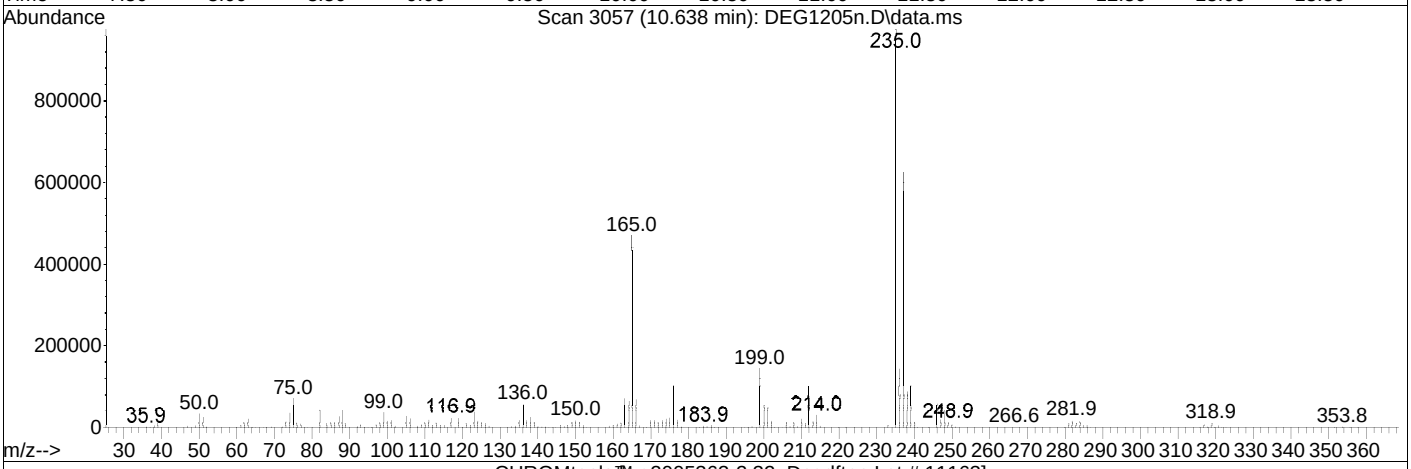
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : DEG1205n.D
Acq On : 5 Dec 2024 10:23 pm
Operator : Dakota:smz
Sample : wg2005363-2,32,,Degdftpp Lot # 11163
Misc : wg2005363,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 05 22:41:26 2024
Quant Method : I:\8270\Dakota\241205NRVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 22:42:58 2024
Response via : Initial Calibration





CHROMtools™ [wg2005363-2,32,,Degdftpp Lot # 11163]

(6) DDT (T)

10.638min (+ 0.000) 139.97

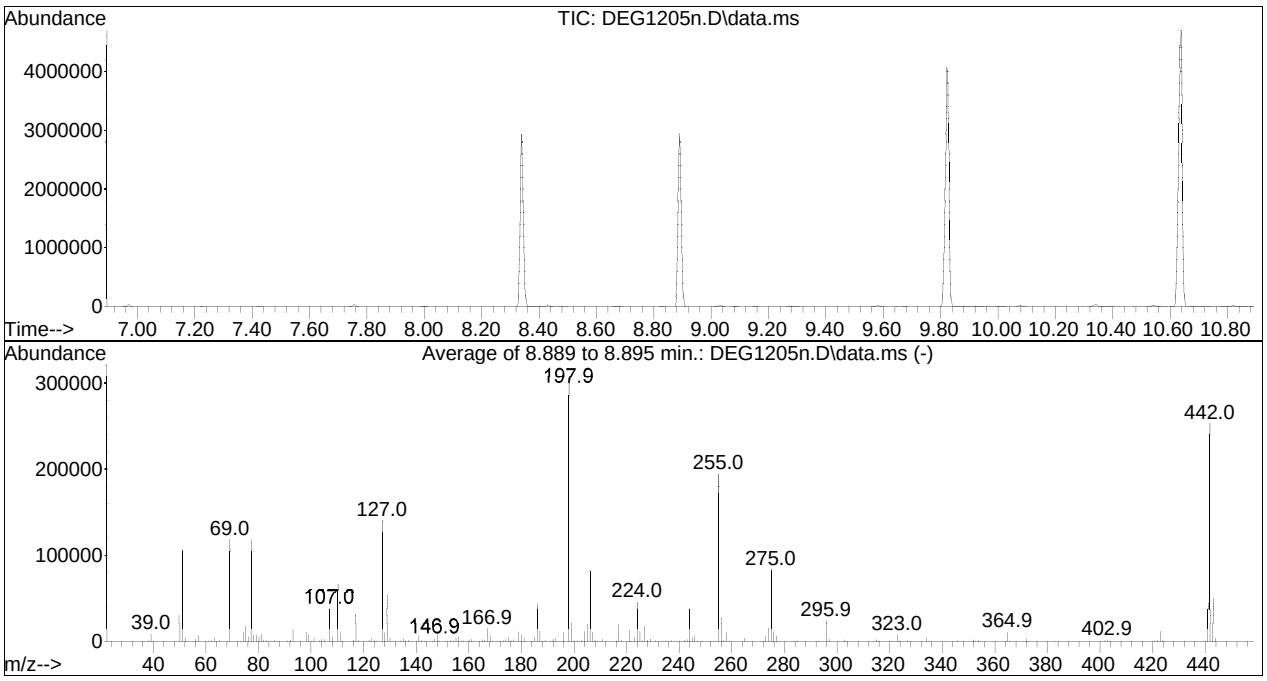
response 853235

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.17
165.10	48.70	48.03
199.10	15.80	14.51

Data Path : I:\8270\Dakota\241205NRVT\
Data File : DEG1205n.D
Acq On : 5 Dec 2024 10:23 pm
Operator : Dakota: ASK
Sample : WG2005363-1,32,,Degdftpp Lot # 11163
Misc : WG2005363,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241205NRVT\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 05 23:27:52 2024



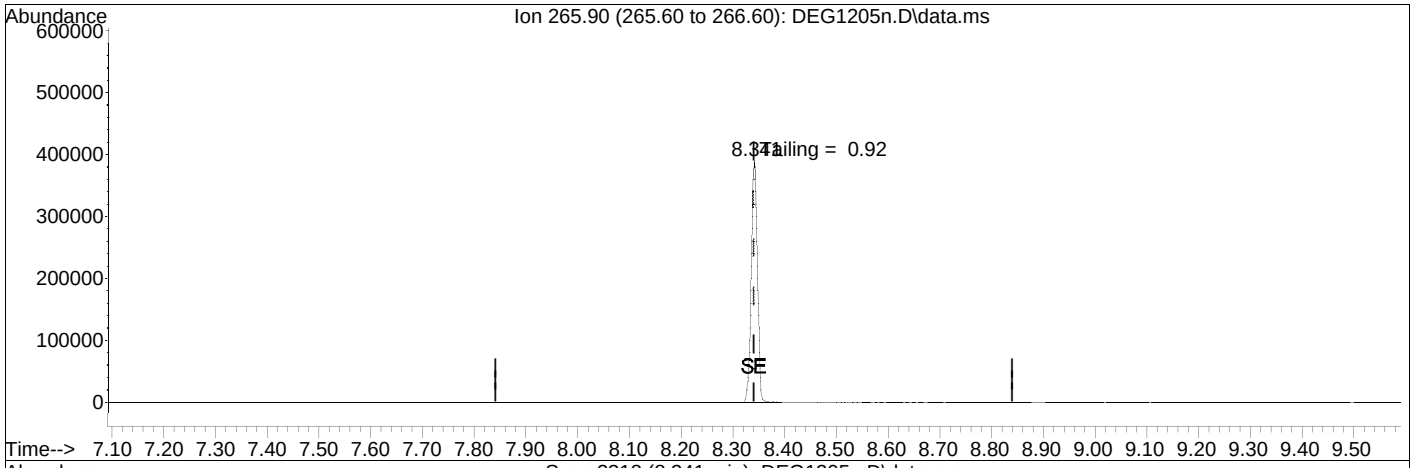
Spectrum Information: Average of 8.889 to 8.895 min.

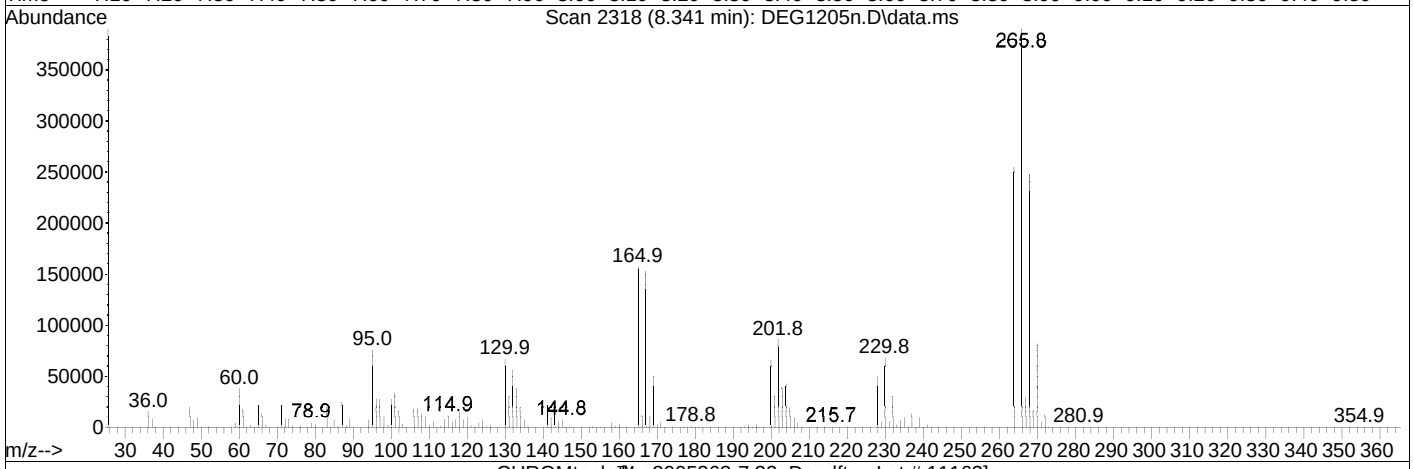
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.8	106563	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	118115	PASS
70	69	0.00	2	0.4	502	PASS
127	198	10	80	45.7	140024	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	306240	PASS
199	198	5	9	6.7	20523	PASS
275	198	10	60	27.2	83325	PASS
365	198	1	100	3.4	10563	PASS
441	442	0.01	24	17.6	44440	PASS
442	198	50	100	82.7	253184	PASS
443	442	15	24	19.8	50128	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : DEG1205n.D
Acq On : 5 Dec 2024 10:23 pm
Operator : Dakota:smz
Sample : wg2005363-7,32,,Degdftpp Lot # 11163
Misc : wg2005363,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 05 22:41:26 2024
Quant Method : I:\8270\Dakota\241205NRVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 22:42:58 2024
Response via : Initial Calibration





CHROMtools [wg2005363-7,32,,Degdftpp Lot # 11163]

(1) Pentachlorophenol (T)

8.341min (+ 0.001) 143.09

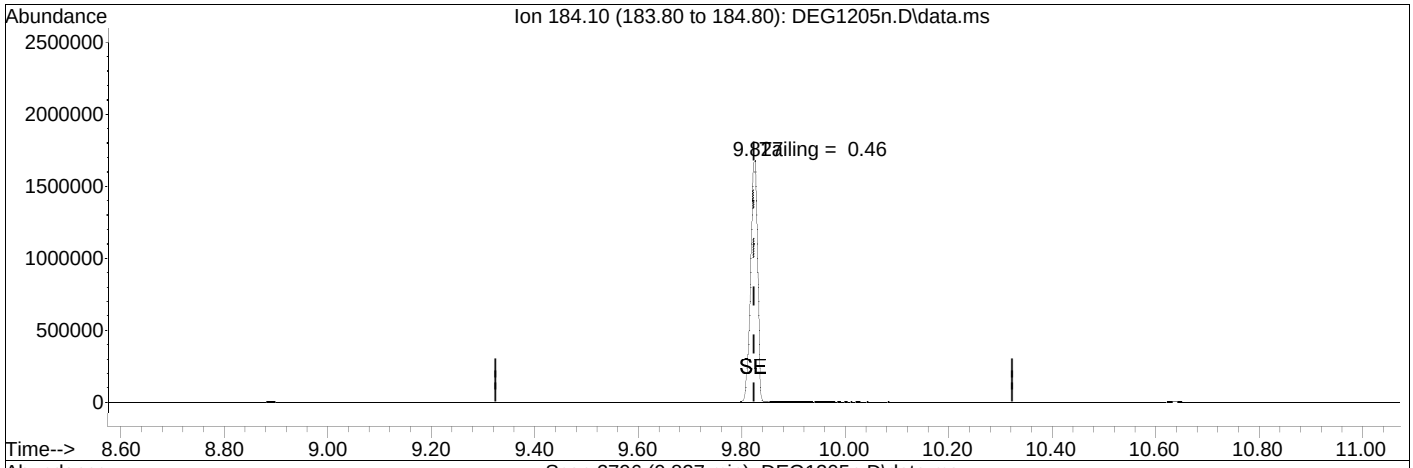
response 300546

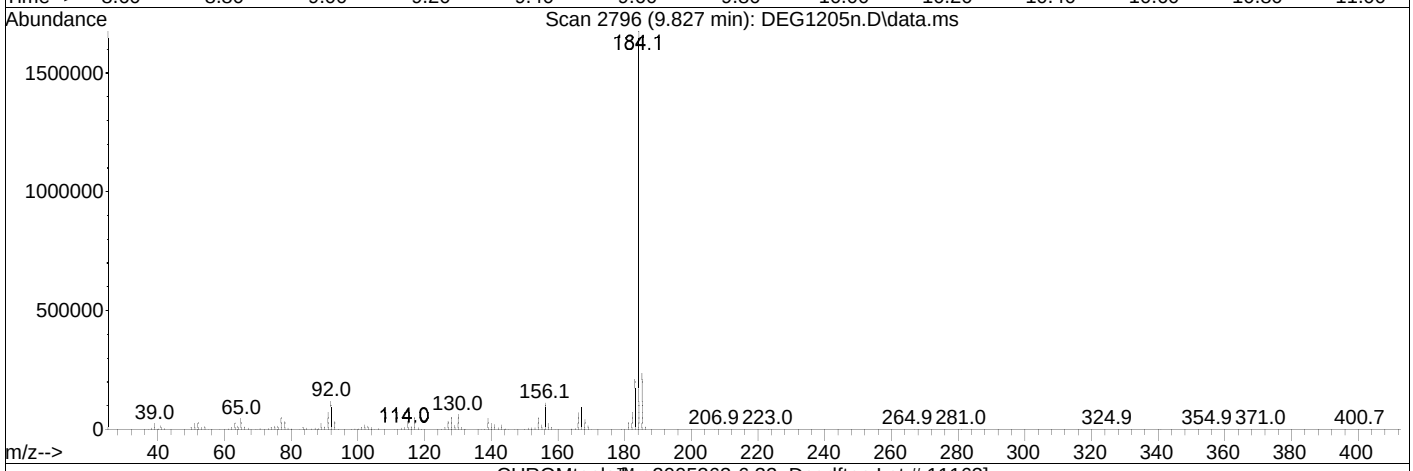
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241205NRVT\
Data File : DEG1205n.D
Acq On : 5 Dec 2024 10:23 pm
Operator : Dakota:smz
Sample : wg2005363-6,32,,Degdftpp Lot # 11163
Misc : wg2005363,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 05 22:41:26 2024
Quant Method : I:\8270\Dakota\241205NRVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 22:42:58 2024
Response via : Initial Calibration





CHROMtools™ [wg2005363-6,32,,Degdftpp Lot # 11163]

(3) Benzidine (T)

9.827min (+ 0.003) 146.43

response 1490622

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	: P. W. Grosser		Lab Number	: L2470744	
Project Name	: ROANOKE SAND AND GRAVEL		Project Number	: BSD1504	
Instrument ID	: DAKOTA		Calibration Date	: 12/05/24 06:41	
Lab File ID	: ABN1205		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2005564-3		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	85	0
n-Nitrosodimethylamine	0.63	0.634	-	-0.6	20	87	0
Pyridine	0.954	1.008	-	-5.7	20	84	0
2-Fluorophenol	1.028	0.966	-	6	20	82	0
Aniline	1.567	1.589	-	-1.4	20	88	0
2-Chlorophenol	1.225	1.235	-	-0.8	20	87	0
Phenol-d6	1.317	1.294	-	1.7	20	86	0
Phenol	1.421	1.433	-	-0.8	20	88	0
Bis(2-chloroethyl)ether	1.017	1.031	-	-1.4	20	89	0
1,3-Dichlorobenzene	1.577	1.507	-	4.4	20	85	0
1,4-Dichlorobenzene	1.61	1.517	-	5.8	20	84	0
1,2-Dichlorobenzene	1.534	1.453	-	5.3	20	84	0
Benzyl alcohol	0.93	0.952	-	-2.4	20	89	0
Bis(2-chloroisopropyl)ethe	1.794	1.892	-	-5.5	20	94	0
2-Methylphenol	1.079	1.068	-	1	20	90	0
Hexachloroethane	0.589	0.554	-	5.9	20	87	0
n-Nitrosodi-n-propylamine	0.863	0.854	-	1	20	89	0
3-Methylphenol/4-Methylphe	1.182	1.171	-	0.9	20	90	0
Nitrobenzene-d5	1.195	1.224	-	-2.4	20	88	0
Nitrobenzene	1.222	1.268	-	-3.8	20	90	0
Isophorone	2.247	2.246	-	0	20	88	0
2-Nitrophenol	0.619	0.661	-	-6.8	20	94	0
2,4-Dimethylphenol	1.101	1.125	-	-2.2	20	90	0
Bis(2-chloroethoxy)methane	1.4	1.452	-	-3.7	20	91	0
2,4-Dichlorophenol	1.285	1.296	-	-0.9	20	88	0
1,2,4-Trichlorobenzene	1.555	1.482	-	4.7	20	85	0
IS1_Naphthalene-d8	1	1	-	0	20	89	0
Naphthalene	1.1	1.026	-	6.7	20	90	0
Benzoic Acid	0.228	0.184	-	19.3	20	80	0
4-Chloroaniline	0.121	0.115	-	5	20	87	0
Hexachlorobutadiene	0.258	0.234	-	9.3	20	84	0
p-Chloro-m-cresol	0.29	0.281	-	3.1	20	90	0
2-Methylnaphthalene	0.761	0.707	-	7.1	20	90	0
1-Methylnaphthalene	0.242	0.222	-	8.3	20	86	0
Hexachlorocyclopentadiene	0.272	0.242	-	11	20	81	0
2,4,6-Trichlorophenol	0.287	0.276	-	3.8	20	89	0
2,4,5-Trichlorophenol	0.32	0.306	-	4.4	20	91	0
2-Fluorobiphenyl	0.99	0.895	-	9.6	20	88	0
2-Chloronaphthalene	0.852	0.768	-	9.9	20	86	0
2-Nitroaniline	0.218	0.218	-	0	20	90	0
1,4-Dinitrobenzene	0.095	0.101	-	-6.3	20	96	0
1,3-Dinitrobenzene	0.113	0.116	-	-2.7	20	91	0
Dimethyl phthalate	0.991	0.923	-	6.9	20	89	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 06:41		
Lab File ID	: ABN1205	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005564-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.195	-	4.6	20	90	0
2,6-Dinitrotoluene	0.185	0.188	-	-1.6	20	91	0
1,2-Dinitrobenzene	0.066	0.073	-	-10.6	20	94	0
IS1_Acenaphthene-d10	1	1	-	0	20	89	0
3-Nitroaniline	0.309	0.315	-	-1.9	20	90	0
Acenaphthene	1.163	1.068	-	8.2	20	90	0
2,4-Dinitrophenol	0.188	0.185	-	1.6	20	96	0
Dibenzofuran	2.006	1.848	-	7.9	20	90	0
2,4-Dinitrotoluene	0.387	0.43	-	-11.1	20	95	0
4-Nitrophenol	0.23	0.266	-	-15.7	20	102	0
2,3,5,6-Tetrachlorophenol	0.436	0.433	-	0.7	20	91	0
2,3,4,6-Tetrachlorophenol	0.428	0.421	-	1.6	20	91	0
Diethyl phthalate	1.575	1.469	-	6.7	20	91	0
Fluorene	1.536	1.435	-	6.6	20	90	0
4-Chlorophenyl phenyl ethe	0.792	0.708	-	10.6	20	88	0
4-Nitroaniline	0.299	0.324	-	-8.4	20	93	0
4,6-Dinitro-o-cresol	0.234	0.262	-	-12	20	97	0
NDPA/DPA	1.337	1.234	-	7.7	20	90	0
Azobenzene	1.281	1.266	-	1.2	20	93	0
2,4,6-Tribromophenol	0.286	0.294	-	-2.8	20	96	0
4-Bromophenyl phenyl ether	0.522	0.47	-	10	20	89	0
Hexachlorobenzene	0.656	0.598	-	8.8	20	91	0
Pentachlorophenol	0.356	0.381	-	-7	20	95	0
IS1_Phenanthrene-d10	1	1	-	0	20	91	0
Phenanthrene	1.183	1.108	-	6.3	20	93	0
Anthracene	1.16	1.094	-	5.7	20	92	0
Carbazole	1.064	1.049	-	1.4	20	94	0
Di-n-butylphthalate	1.207	1.183	-	2	20	91	0
Fluoranthene	1.422	1.363	-	4.1	20	94	0
Benzidine	0.772	0.831	-	-7.6	20	94	0
Pyrene	1.52	1.478	-	2.8	20	94	0
4-Terphenyl-d14	1.157	1.076	-	7	20	92	0
Butyl benzyl phthalate	0.517	0.549	-	-6.2	20	96	0
IS1_Chrysene-d12	1	1	-	0	20	95	0
Benzo(a)anthracene	1.355	1.238	-	8.6	20	94	0
3,3'-Dichlorobenzidine	0.505	0.492	-	2.6	20	93	0
Chrysene	1.349	1.216	-	9.9	20	95	0
Bis(2-ethylhexyl)phthalate	0.726	0.718	-	1.1	20	93	0
Di-n-octylphthalate	1.212	1.225	-	-1.1	20	96	0
Benzo(b)fluoranthene	1.42	1.425	-	-0.4	20	103	0
Benzo(k)fluoranthene	1.383	1.298	-	6.1	20	91	0
Benzo(a)pyrene	1.267	1.26	-	0.6	20	97	0
IS1_Perylene-d12	1	1	-	0	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2470744	
Project Name	: ROANOKE SAND AND GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: DAKOTA		**Calibration Date**	: 12/05/24 06:41	
Lab File ID	: ABN1205		**Init. Calib. Date(s)**	: 11/05/24	11/06/24
Sample No	: WG2005564-3		**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	1.159	-	6.1	20	96	0
Dibenzo(a,h)anthracene	1.213	1.162	-	4.2	20	96	0
Benzo(ghi)perylene	1.192	1.116	-	6.4	20	96	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 07:03		
Lab File ID	: AP91205	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005564-4	**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	88	0
Benzaldehyde	0.703	0.753	-	-7.1	20	87	0
Acetophenone	1.403	1.511	-	-7.7	20	91	0
m-Toluidine	1.287	1.396	-	-8.5	20	93	0
2-Chloroaniline	1.368	1.468	-	-7.3	20	91	0
IS2_Naphthalene-d8	1	1	-	0	20	97	0
a-Terpineol	0.221	0.238	-	-7.7	20	99	0
3-Chloroaniline	0.115	0.123	-	-7	20	95	0
2,6-Dichlorophenol	0.296	0.307	-	-3.7	20	93	0
1-chloro-2-nitrobenzene	0.113	0.129	-	-14.2	20	99	0
Caprolactam	0.123	0.128	-	-4.1	20	98	0
1,2,4,5-Tetrachlorobenzene	0.413	0.406	-	1.7	20	90	0
Biphenyl	0.842	0.86	-	-2.1	20	93	0
IS2_Acenaphthene-d10	1	1	-	0	20	96	0
Dichloran	0.169	0.179	-	-5.9	20	104	0
Pentachloronitrobenzene	0.187	0.202	-	-8	20	107	0
IS2_Phenanthrene-d10	1	1	-	0	20	96	0
Diphenamid	0.416	0.455	-	-9.4	20	101	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 07:26		
Lab File ID	: ADP1205	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005564-5	**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	81	0
1,4-Dioxane	0.381	0.427	-	-12.1	20	85	0
n-Decane	1.048	1.188	-	-13.4	20	87	0
IS3_Acenaphthene-d10	1	1	-	0	20	87	0
Atrazine	0.343	0.358	-	-4.4	20	91	0
IS3_Phenanthrene-d10	1	1	-	0	20	88	0
n-Octadecane	0.334	0.363	-	-8.7	20	96	0
Parathion	5	5.065	-	-1.3	20	101	0
3,3'-Dimethylbenzidine	0.728	0.715	-	1.8	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 22:46		
Lab File ID	: ABN1205N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005363-3	**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	72	0
n-Nitrosodimethylamine	0.63	0.632	-	-0.3	20	73	0
Pyridine	0.954	1.017	-	-6.6	20	72	0
2-Fluorophenol	1.028	0.996	-	3.1	20	71	0
Aniline	1.567	1.518	-	3.1	20	71	0
2-Chlorophenol	1.225	1.227	-	-0.2	20	73	0
Phenol-d6	1.317	1.273	-	3.3	20	71	0
Phenol	1.421	1.362	-	4.2	20	70	0
Bis(2-chloroethyl)ether	1.017	0.982	-	3.4	20	72	0
1,3-Dichlorobenzene	1.577	1.477	-	6.3	20	70	0
1,4-Dichlorobenzene	1.61	1.536	-	4.6	20	72	0
1,2-Dichlorobenzene	1.534	1.478	-	3.7	20	72	0
Benzyl alcohol	0.93	0.903	-	2.9	20	71	0
Bis(2-chloroisopropyl)ethe	1.794	1.735	-	3.3	20	73	0
2-Methylphenol	1.079	1.026	-	4.9	20	72	0
Hexachloroethane	0.589	0.549	-	6.8	20	72	0
n-Nitrosodi-n-propylamine	0.863	0.798	-	7.5	20	70	0
3-Methylphenol/4-Methylphe	1.182	1.132	-	4.2	20	73	0
Nitrobenzene-d5	1.195	1.202	-	-0.6	20	73	0
Nitrobenzene	1.222	1.219	-	0.2	20	73	0
Isophorone	2.247	2.16	-	3.9	20	71	0
2-Nitrophenol	0.619	0.67	-	-8.2	20	80	0
2,4-Dimethylphenol	1.101	1.058	-	3.9	20	71	0
Bis(2-chloroethoxy)methane	1.4	1.367	-	2.4	20	72	0
2,4-Dichlorophenol	1.285	1.275	-	0.8	20	73	0
1,2,4-Trichlorobenzene	1.555	1.479	-	4.9	20	72	0
IS1_Naphthalene-d8	1	1	-	0	20	74	0
Naphthalene	1.1	1.014	-	7.8	20	73	0
Benzoic Acid	0.228	0.198	-	13.2	20	71	0
4-Chloroaniline	0.121	0.112	-	7.4	20	70	0
Hexachlorobutadiene	0.258	0.246	-	4.7	20	73	0
p-Chloro-m-cresol	0.29	0.281	-	3.1	20	74	0
2-Methylnaphthalene	0.761	0.709	-	6.8	20	75	0
1-Methylnaphthalene	0.242	0.22	-	9.1	20	70	0
Hexachlorocyclopentadiene	0.272	0.265	-	2.6	20	73	0
2,4,6-Trichlorophenol	0.287	0.281	-	2.1	20	75	0
2,4,5-Trichlorophenol	0.32	0.31	-	3.1	20	76	0
2-Fluorobiphenyl	0.99	0.922	-	6.9	20	75	0
2-Chloronaphthalene	0.852	0.795	-	6.7	20	74	0
2-Nitroaniline	0.218	0.216	-	0.9	20	74	0
1,4-Dinitrobenzene	0.095	0.104	-	-9.5	20	81	0
1,3-Dinitrobenzene	0.113	0.12	-	-6.2	20	77	0
Dimethyl phthalate	0.991	0.952	-	3.9	20	76	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		Lab Number	: L2470744	
Project Name	: ROANOKE SAND AND GRAVEL		Project Number	: BSD1504	
Instrument ID	: DAKOTA		Calibration Date	: 12/05/24 22:46	
Lab File ID	: ABN1205N		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2005363-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.245	-	0.6	20	78	0
2,6-Dinitrotoluene	0.185	0.19	-	-2.7	20	75	0
1,2-Dinitrobenzene	0.066	0.076	-	-15.2	20	80	0
IS1_Acenaphthene-d10	1	1	-	0	20	78	0
3-Nitroaniline	0.309	0.311	-	-0.6	20	78	0
Acenaphthene	1.163	1.037	-	10.8	20	76	0
2,4-Dinitrophenol	0.188	0.173	-	8	20	78	0
Dibenzofuran	2.006	1.8	-	10.3	20	77	0
2,4-Dinitrotoluene	0.387	0.404	-	-4.4	20	78	0
4-Nitrophenol	0.23	0.226	-	1.7	20	76	0
2,3,5,6-Tetrachlorophenol	0.436	0.418	-	4.1	20	77	0
2,3,4,6-Tetrachlorophenol	0.428	0.423	-	1.2	20	80	0
Diethyl phthalate	1.575	1.423	-	9.7	20	77	0
Fluorene	1.536	1.398	-	9	20	77	0
4-Chlorophenyl phenyl ethe	0.792	0.703	-	11.2	20	76	0
4-Nitroaniline	0.299	0.31	-	-3.7	20	77	0
4,6-Dinitro-o-cresol	0.234	0.266	-	-13.7	20	86	0
NDPA/DPA	1.337	1.213	-	9.3	20	78	0
Azobenzene	1.281	1.179	-	8	20	76	0
2,4,6-Tribromophenol	0.286	0.293	-	-2.4	20	84	0
4-Bromophenyl phenyl ether	0.522	0.477	-	8.6	20	79	0
Hexachlorobenzene	0.656	0.612	-	6.7	20	82	0
Pentachlorophenol	0.356	0.364	-	-2.2	20	79	0
IS1_Phenanthrene-d10	1	1	-	0	20	80	0
Phenanthrene	1.183	1.083	-	8.5	20	80	0
Anthracene	1.16	1.081	-	6.8	20	80	0
Carbazole	1.064	1.015	-	4.6	20	80	0
Di-n-butylphthalate	1.207	1.159	-	4	20	78	0
Fluoranthene	1.422	1.37	-	3.7	20	83	0
Benzidine	0.772	0.803	-	-4	20	80	0
Pyrene	1.52	1.482	-	2.5	20	83	0
4-Terphenyl-d14	1.157	1.097	-	5.2	20	82	0
Butyl benzyl phthalate	0.517	0.536	-	-3.7	20	82	0
IS1_Chrysene-d12	1	1	-	0	20	88	0
Benzo(a)anthracene	1.355	1.196	-	11.7	20	84	0
3,3'-Dichlorobenzidine	0.505	0.477	-	5.5	20	83	0
Chrysene	1.349	1.169	-	13.3	20	84	0
Bis(2-ethylhexyl)phthalate	0.726	0.67	-	7.7	20	80	0
Di-n-octylphthalate	1.212	1.149	-	5.2	20	83	0
Benzo(b)fluoranthene	1.42	1.381	-	2.7	20	93	0
Benzo(k)fluoranthene	1.383	1.283	-	7.2	20	83	0
Benzo(a)pyrene	1.267	1.23	-	2.9	20	88	0
IS1_Perylene-d12	1	1	-	0	20	89	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 22:46		
Lab File ID	: ABN1205N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005363-3	**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	1.146	-	7.1	20	87	0
Dibenzo(a,h)anthracene	1.213	1.132	-	6.7	20	86	0
Benzo(ghi)perylene	1.192	1.086	-	8.9	20	86	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 23:08		
Lab File ID	: AP91205N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005363-4	**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	74	0
Benzaldehyde	0.703	0.736	-	-4.7	20	71	0
Acetophenone	1.403	1.484	-	-5.8	20	75	0
m-Toluidine	1.287	1.342	-	-4.3	20	75	0
2-Chloroaniline	1.368	1.49	-	-8.9	20	77	0
IS2_Naphthalene-d8	1	1	-	0	20	79	0
a-Terpineol	0.221	0.221	-	0	20	74	0
3-Chloroaniline	0.115	0.122	-	-6.1	20	77	0
2,6-Dichlorophenol	0.296	0.305	-	-3	20	75	0
1-chloro-2-nitrobenzene	0.113	0.131	-	-15.9	20	81	0
Caprolactam	0.123	0.124	-	-0.8	20	77	0
1,2,4,5-Tetrachlorobenzene	0.413	0.42	-	-1.7	20	76	0
Biphenyl	0.842	0.876	-	-4	20	77	0
IS2_Acenaphthene-d10	1	1	-	0	20	78	0
Dichloran	0.169	0.18	-	-6.5	20	85	0
Pentachloronitrobenzene	0.187	0.196	-	-4.8	20	85	0
IS2_Phenanthrene-d10	1	1	-	0	20	80	0
Diphenamid	0.416	0.449	-	-7.9	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/05/24 23:31		
Lab File ID	: ADP1205N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2005363-5	**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	77	0
1,4-Dioxane	0.381	0.417	-	-9.4	20	79	0
n-Decane	1.048	1.043	-	0.5	20	73	0
IS3_Acenaphthene-d10	1	1	-	0	20	82	0
Atrazine	0.343	0.323	-	5.8	20	77	0
IS3_Phenanthrene-d10	1	1	-	0	20	80	0
n-Octadecane	0.334	0.321	-	3.9	20	78	0
Parathion	5	4.813	-	3.7	20	87	0
3,3'-Dimethylbenzidine	0.728	0.739	-	-1.5	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/06/24 12:06		
Lab File ID	: ABN1206	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2006161-3	**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	77	0
n-Nitrosodimethylamine	0.63	0.675	-	-7.1	20	84	0
Pyridine	0.954	0.988	-	-3.6	20	75	0
2-Fluorophenol	1.028	0.997	-	3	20	76	0
Aniline	1.567	1.572	-	-0.3	20	79	0
2-Chlorophenol	1.225	1.223	-	0.2	20	77	0
Phenol-d6	1.317	1.278	-	3	20	77	0
Phenol	1.421	1.428	-	-0.5	20	79	0
Bis(2-chloroethyl)ether	1.017	0.988	-	2.9	20	77	0
1,3-Dichlorobenzene	1.577	1.513	-	4.1	20	77	0
1,4-Dichlorobenzene	1.61	1.541	-	4.3	20	77	0
1,2-Dichlorobenzene	1.534	1.49	-	2.9	20	78	0
Benzyl alcohol	0.93	0.912	-	1.9	20	77	0
Bis(2-chloroisopropyl)ethe	1.794	1.783	-	0.6	20	80	0
2-Methylphenol	1.079	1.068	-	1	20	81	0
Hexachloroethane	0.589	0.561	-	4.8	20	79	0
n-Nitrosodi-n-propylamine	0.863	0.85	-	1.5	20	80	0
3-Methylphenol/4-Methylphe	1.182	1.168	-	1.2	20	81	0
Nitrobenzene-d5	1.195	1.252	-	-4.8	20	82	0
Nitrobenzene	1.222	1.255	-	-2.7	20	80	0
Isophorone	2.247	2.185	-	2.8	20	77	0
2-Nitrophenol	0.619	0.674	-	-8.9	20	86	0
2,4-Dimethylphenol	1.101	1.109	-	-0.7	20	80	0
Bis(2-chloroethoxy)methane	1.4	1.414	-	-1	20	80	0
2,4-Dichlorophenol	1.285	1.311	-	-2	20	81	0
1,2,4-Trichlorobenzene	1.555	1.511	-	2.8	20	79	0
IS1_Naphthalene-d8	1	1	-	0	20	81	0
Naphthalene	1.1	1.01	-	8.2	20	80	0
Benzoic Acid	0.228	0.177	-	22.4*	20	69	0
4-Chloroaniline	0.121	0.115	-	5	20	78	0
Hexachlorobutadiene	0.258	0.24	-	7	20	77	0
p-Chloro-m-cresol	0.29	0.277	-	4.5	20	80	0
2-Methylnaphthalene	0.761	0.707	-	7.1	20	81	0
1-Methylnaphthalene	0.242	0.224	-	7.4	20	78	0
Hexachlorocyclopentadiene	0.272	0.266	-	2.2	20	80	0
2,4,6-Trichlorophenol	0.287	0.28	-	2.4	20	81	0
2,4,5-Trichlorophenol	0.32	0.31	-	3.1	20	83	0
2-Fluorobiphenyl	0.99	0.897	-	9.4	20	79	0
2-Chloronaphthalene	0.852	0.786	-	7.7	20	79	0
2-Nitroaniline	0.218	0.22	-	-0.9	20	82	0
1,4-Dinitrobenzene	0.095	0.103	-	-8.4	20	88	0
1,3-Dinitrobenzene	0.113	0.116	-	-2.7	20	82	0
Dimethyl phthalate	0.991	0.943	-	4.8	20	82	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		Lab Number	: L2470744	
Project Name	: ROANOKE SAND AND GRAVEL		Project Number	: BSD1504	
Instrument ID	: DAKOTA		Calibration Date	: 12/06/24 12:06	
Lab File ID	: ABN1206		Init. Calib. Date(s)	: 11/05/24	11/06/24
Sample No	: WG2006161-3		Init. Calib. Times	: 16:59	04:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.216	-	2.9	20	83	0
2,6-Dinitrotoluene	0.185	0.191	-	-3.2	20	83	0
1,2-Dinitrobenzene	0.066	0.074	-	-12.1	20	85	0
IS1_Acenaphthene-d10	1	1	-	0	20	83	0
3-Nitroaniline	0.309	0.321	-	-3.9	20	86	0
Acenaphthene	1.163	1.051	-	9.6	20	82	0
2,4-Dinitrophenol	0.188	0.186	-	1.1	20	89	0
Dibenzofuran	2.006	1.805	-	10	20	82	0
2,4-Dinitrotoluene	0.387	0.419	-	-8.3	20	86	0
4-Nitrophenol	0.23	0.252	-	-9.6	20	89	0
2,3,5,6-Tetrachlorophenol	0.436	0.425	-	2.5	20	83	0
2,3,4,6-Tetrachlorophenol	0.428	0.417	-	2.6	20	84	0
Diethyl phthalate	1.575	1.408	-	10.6	20	81	0
Fluorene	1.536	1.438	-	6.4	20	84	0
4-Chlorophenyl phenyl ethe	0.792	0.707	-	10.7	20	81	0
4-Nitroaniline	0.299	0.328	-	-9.7	20	87	0
4,6-Dinitro-o-cresol	0.234	0.26	-	-11.1	20	89	0
NDPA/DPA	1.337	1.191	-	10.9	20	81	0
Azobenzene	1.281	1.197	-	6.6	20	81	0
2,4,6-Tribromophenol	0.286	0.291	-	-1.7	20	88	0
4-Bromophenyl phenyl ether	0.522	0.465	-	10.9	20	81	0
Hexachlorobenzene	0.656	0.584	-	11	20	83	0
Pentachlorophenol	0.356	0.377	-	-5.9	20	87	0
IS1_Phenanthrene-d10	1	1	-	0	20	84	0
Phenanthrene	1.183	1.093	-	7.6	20	85	0
Anthracene	1.16	1.092	-	5.9	20	85	0
Carbazole	1.064	1.038	-	2.4	20	86	0
Di-n-butylphthalate	1.207	1.122	-	7	20	80	0
Fluoranthene	1.422	1.38	-	3	20	88	0
Benzidine	0.772	0.81	-	-4.9	20	85	0
Pyrene	1.52	1.492	-	1.8	20	88	0
4-Terphenyl-d14	1.157	1.083	-	6.4	20	86	0
Butyl benzyl phthalate	0.517	0.539	-	-4.3	20	87	0
IS1_Chrysene-d12	1	1	-	0	20	92	0
Benzo(a)anthracene	1.355	1.224	-	9.7	20	90	0
3,3'-Dichlorobenzidine	0.505	0.496	-	1.8	20	91	0
Chrysene	1.349	1.221	-	9.5	20	92	0
Bis(2-ethylhexyl)phthalate	0.726	0.674	-	7.2	20	85	0
Di-n-octylphthalate	1.212	1.157	-	4.5	20	88	0
Benzo(b)fluoranthene	1.42	1.383	-	2.6	20	97	0
Benzo(k)fluoranthene	1.383	1.342	-	3	20	91	0
Benzo(a)pyrene	1.267	1.258	-	0.7	20	94	0
IS1_Perylene-d12	1	1	-	0	20	95	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/06/24 12:06		
Lab File ID	: ABN1206	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2006161-3	**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	1.134	-	8.1	20	93	0
Dibenzo(a,h)anthracene	1.213	1.143	-	5.8	20	93	0
Benzo(ghi)perylene	1.192	1.116	-	6.4	20	95	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/06/24 12:28		
Lab File ID	: AP91206	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2006161-4	**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	85	0
Benzaldehyde	0.703	0.762	-	-8.4	20	85	0
Acetophenone	1.403	1.537	-	-9.6	20	89	0
m-Toluidine	1.287	1.39	-	-8	20	89	0
2-Chloroaniline	1.368	1.524	-	-11.4	20	91	0
IS2_Naphthalene-d8	1	1	-	0	20	95	0
a-Terpineol	0.221	0.226	-	-2.3	20	91	0
3-Chloroaniline	0.115	0.12	-	-4.3	20	90	0
2,6-Dichlorophenol	0.296	0.309	-	-4.4	20	92	0
1-chloro-2-nitrobenzene	0.113	0.126	-	-11.5	20	95	0
Caprolactam	0.123	0.123	-	0	20	92	0
1,2,4,5-Tetrachlorobenzene	0.413	0.409	-	1	20	89	0
Biphenyl	0.842	0.854	-	-1.4	20	90	0
IS2_Acenaphthene-d10	1	1	-	0	20	93	0
Dichloran	0.169	0.182	-	-7.7	20	103	0
Pentachloronitrobenzene	0.187	0.199	-	-6.4	20	102	0
IS2_Phenanthrene-d10	1	1	-	0	20	94	0
Diphenamid	0.416	0.445	-	-7	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: DAKOTA	**Calibration Date**	: 12/06/24 12:51		
Lab File ID	: ADP1206	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2006161-5	**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	79	0
1,4-Dioxane	0.381	0.398	-	-4.5	20	77	0
n-Decane	1.048	1.046	-	0.2	20	75	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.343	0.331	-	3.5	20	83	0
IS3_Phenanthrene-d10	1	1	-	0	20	86	0
n-Octadecane	0.334	0.32	-	4.2	20	83	0
Parathion	5	4.912	-	1.8	20	95	0
3,3'-Dimethylbenzidine	0.728	0.726	-	0.3	20	97	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241206RVT\
Data File : ABN1206.D
Acq On : 6 Dec 2024 12:06 pm
Operator : Dakota:slr
Sample : WG2006161-3,32,,ABN 11043 gmr1109C
Misc : WG2006161,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Dec 06 12:40:00 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 12:41:19 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	77	0.00
2	t	n-Nitrosodimethylamine	0.630	0.675	-7.1	84	0.00
3	t	Pyridine	0.954	0.988	-3.6	75	0.00
4	S	2-Fluorophenol	1.028	0.997	3.0	76	0.00
5	T	Aniline	1.567	1.572	-0.3	79	0.00
6	t	2-Chlorophenol	1.225	1.223	0.2	77	0.00
7	S	Phenol-d6	1.317	1.278	3.0	77	0.00
8	T	Phenol	1.421	1.428	-0.5	79	0.00
9	T	Bis(2-chloroethyl)ether	1.017	0.988	2.9	77	0.00
10	T	1,3-Dichlorobenzene	1.577	1.513	4.1	77	0.00
11	T	1,4-Dichlorobenzene	1.610	1.541	4.3	77	0.00
12	T	1,2-Dichlorobenzene	1.534	1.490	2.9	78	0.00
13	t	Benzyl alcohol	0.930	0.912	1.9	77	0.00
14	T	Bis(2-chloroisopropyl)ether	1.794	1.783	0.6	80	0.00
15	T	2-Methylphenol	1.079	1.068	1.0	81	0.00
16	T	Hexachloroethane	0.589	0.561	4.8	79	0.00
17	T	n-Nitrosodi-n-propylamine	0.863	0.850	1.5	80	0.00
18	T	3-Methylphenol/4-Methylphen	1.182	1.168	1.2	81	0.00
19	S	Nitrobenzene-d5	1.195	1.252	-4.8	82	0.00
20	T	Nitrobenzene	1.222	1.255	-2.7	80	0.00
21	T	Isophorone	2.247	2.185	2.8	77	0.00
22	T	2-Nitrophenol	0.619	0.674	-8.9	86	0.00
23	T	2,4-Dimethylphenol	1.101	1.109	-0.7	80	0.00
24	T	Bis(2-chloroethoxy)methane	1.400	1.414	-1.0	80	0.00
25	T	2,4-Dichlorophenol	1.285	1.311	-2.0	81	0.00
26	T	1,2,4-Trichlorobenzene	1.555	1.511	2.8	79	0.00
37	I	IS1_Naphthalene-d8	1.000	1.000	0.0	81	0.00
38	T	Naphthalene	1.100	1.010	8.2	80	0.00
39	T	Benzoic Acid	0.228	0.177	22.4#	69	0.00
40	T	4-Chloroaniline	0.121	0.115	5.0	78	0.00
41	T	Hexachlorobutadiene	0.258	0.240	7.0	77	0.00
42	T	p-Chloro-m-cresol	0.290	0.277	4.5	80	0.00
43	T	2-Methylnaphthalene	0.761	0.707	7.1	81	0.00
44	T	1-Methylnaphthalene	0.242	0.224	7.4	78	0.00
45	T	Hexachlorocyclopentadiene	0.272	0.266	2.2	80	0.00
46	T	2,4,6-Trichlorophenol	0.287	0.280	2.4	81	0.00
47	T	2,4,5-Trichlorophenol	0.320	0.310	3.1	83	0.00
48	S	2-Fluorobiphenyl	0.990	0.897	9.4	79	0.00

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Misc : WG2006161,,ical21680
ALS Vial : 96 Sample Multiplier: 1

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Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	2-Chloronaphthalene	0.852	0.786	7.7	79	0.00
50	T	2-Nitroaniline	0.218	0.220	-0.9	82	0.00
51	T	1,4-Dinitrobenzene	0.095	0.103	-8.4	88	0.00
52	T	1,3-Dinitrobenzene	0.113	0.116	-2.7	82	0.00
53	T	Dimethyl phthalate	0.991	0.943	4.8	82	0.00
54	T	Acenaphthylene	1.252	1.216	2.9	83	0.00
55	T	2,6-Dinitrotoluene	0.185	0.191	-3.2	83	0.00
56	T	1,2-Dinitrobenzene	0.066	0.074	-12.1	85	0.00
65	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	83	0.00
66	T	3-Nitroaniline	0.309	0.321	-3.9	86	0.00
67	T	Acenaphthene	1.163	1.051	9.6	82	0.00
68	T	2,4-Dinitrophenol	0.188	0.186	1.1	89	0.00
69	T	Dibenzofuran	2.006	1.805	10.0	82	0.00
70	T	2,4-Dinitrotoluene	0.387	0.419	-8.3	86	0.00
71	T	4-Nitrophenol	0.230	0.252	-9.6	89	0.00
72	T	2,3,5,6-Tetrachlorophenol	0.436	0.425	2.5	83	0.00
73	T	2,3,4,6-Tetrachlorophenol	0.428	0.417	2.6	84	0.00
74	T	Diethyl phthalate	1.575	1.408	10.6	81	0.00
75	T	Fluorene	1.536	1.438	6.4	84	0.00
76	T	4-Chlorophenyl phenyl ether	0.792	0.707	10.7	81	0.00
77	T	4-Nitroaniline	0.299	0.328	-9.7	87	0.00
78	T	4,6-Dinitro-o-cresol	0.234	0.260	-11.1	89	0.00
79	T	NDPA/DPA	1.337	1.191	10.9	81	0.00
80	T	Azobenzene	1.281	1.197	6.6	81	0.00
81	S	2,4,6-Tribromophenol	0.286	0.291	-1.7	88	0.00
82	T	4-Bromophenyl phenyl ether	0.522	0.465	10.9	81	0.00
83	T	Hexachlorobenzene	0.656	0.584	11.0	83	0.00
84	T	Pentachlorophenol	0.356	0.377	-5.9	87	0.00
90	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	84	0.00
91	T	Phenanthrene	1.183	1.093	7.6	85	0.00
92	T	Anthracene	1.160	1.092	5.9	85	0.00
93	T	Carbazole	1.064	1.038	2.4	86	0.00
94	T	Di-n-butylphthalate	1.207	1.122	7.0	80	0.00
95	T	Fluoranthene	1.422	1.380	3.0	88	0.00
96	T	Benzidine	0.772	0.810	-4.9	85	0.00
97	T	Pyrene	1.520	1.492	1.8	88	0.00
98	S	4-Terphenyl-d14	1.157	1.083	6.4	86	0.00

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Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
99	T	Butyl benzyl phthalate	0.517	0.539	-4.3	87	0.00
106	I	IS1_Chrysene-d12	1.000	1.000	0.0	92	0.00
107	T	Benzo(a)anthracene	1.355	1.224	9.7	90	0.00
108	T	3,3'-Dichlorobenzidine	0.505	0.496	1.8	91	0.00
109	T	Chrysene	1.349	1.221	9.5	92	0.00
110	T	Bis(2-ethylhexyl)phthalate	0.726	0.674	7.2	85	0.00
111	T	Di-n-octylphthalate	1.212	1.157	4.5	88	0.00
112	T	Benzo(b)fluoranthene	1.420	1.383	2.6	97	0.00
113	T	Benzo(k)fluoranthene	1.383	1.342	3.0	91	0.00
114	T	Benzo(a)pyrene	1.267	1.258	0.7	94	0.00
115	I	IS1_Perylene-d12	1.000	1.000	0.0	95	0.00
116	T	Indeno(1,2,3-cd)pyrene	1.234	1.134	8.1	93	0.00
117	T	Dibenzo(a,h)anthracene	1.213	1.143	5.8	93	0.00
118	T	Benzo(ghi)perylene	1.192	1.116	6.4	95	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

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Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	22208	4.000	ug/ml		0.00
37) IS1_Naphthalene-d8	5.389	136	86686	4.000	ug/ml	#	0.00
65) IS1_Acenaphthene-d10	7.080	164	57569	4.000	ug/ml		0.00
90) IS1_Phenanthrene-d10	8.491	188	126555	4.000	ug/ml		0.00
106) IS1_Chrysene-d12	11.046	240	159319	4.000	ug/ml		0.00
115) IS1_Perylene-d12	12.450	264	194168	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.849	112	27684	4.849	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 242.45%#				
7) Phenol-d6	3.863	99	35490	4.854	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 242.70%#				
19) Nitrobenzene-d5	4.705	82	34748	5.237	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 523.70%#				
48) 2-Fluorobiphenyl	6.464	172	97245	4.532	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 453.20%#				
81) 2,4,6-Tribromophenol	7.838	330	20947	5.090	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 254.50%#				
98) 4-Terphenyl-d14	10.057	244	171278	4.677	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 467.70%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.457	74	18744	5.357	ug/ml		79
3) Pyridine	1.482	79	27432M1	5.179	ug/ml		
5) Aniline	3.835	93	43640	5.017	ug/ml		95
6) 2-Chlorophenol	3.947	128	33944	4.991	ug/ml	#	90
8) Phenol	3.875	94	39634	5.025	ug/ml		97
9) Bis(2-chloroethyl)ether	3.928	93	27421	4.855	ug/ml	#	71
10) 1,3-Dichlorobenzene	4.090	146	41987	4.797	ug/ml		93
11) 1,4-Dichlorobenzene	4.167	146	42783	4.787	ug/ml		93
12) 1,2-Dichlorobenzene	4.313	146	41358	4.855	ug/ml		94
13) Benzyl alcohol	4.323	79	25312	4.902	ug/ml		99
14) Bis(2-chloroisopropyl)...	4.466	45	49491	4.969	ug/ml	#	63
15) 2-Methylphenol	4.469	108	29634	4.945	ug/ml		99
16) Hexachloroethane	4.637	117	15573	4.759	ug/ml	#	49
17) n-Nitrosodi-n-propylamine	4.593	70	23598	4.927	ug/ml	#	89
18) 3-Methylphenol/4-Methy...	4.630	108	32436	4.941	ug/ml		99
20) Nitrobenzene	4.724	77	34848	5.135	ug/ml		96
21) Isophorone	4.966	82	60648	4.862	ug/ml		95
22) 2-Nitrophenol	5.038	139	18700	5.443	ug/ml	#	85

Quantitation Report (QT Reviewed)

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Misc : WG2006161,,ical21680
ALS Vial : 96 Sample Multiplier: 1

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Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 12:41:19 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	5.137	107	30797	5.040	ug/ml	100
24) Bis(2-chloroethoxy)met...	5.218	93	39245	5.050	ug/ml#	97
25) 2,4-Dichlorophenol	5.283	162	36386	5.100	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.351	180	41957	4.859	ug/ml	96
38) Naphthalene	5.411	128	109408	4.589	ug/ml	99
39) Benzoic Acid	5.227	105	19182	3.887	ug/ml	92
40) 4-Chloroaniline	5.498	65	12466	4.757	ug/ml#	68
41) Hexachlorobutadiene	5.569	225	25975	4.638	ug/ml	99
42) p-Chloro-m-cresol	6.007	107	29978	4.773	ug/ml	89
43) 2-Methylnaphthalene	6.088	142	76582	4.642	ug/ml	95
44) 1-Methylnaphthalene	6.178	115	24260	4.625	ug/ml	89
45) Hexachlorocyclopentadiene	6.262	237	28806	4.883	ug/ml	97
46) 2,4,6-Trichlorophenol	6.383	196	30361	4.889	ug/ml	98
47) 2,4,5-Trichlorophenol	6.414	196	33588	4.837	ug/ml	96
49) 2-Chloronaphthalene	6.548	162	85210	4.613	ug/ml#	92
50) 2-Nitroaniline	6.669	138	23810	5.037	ug/ml#	80
51) 1,4-Dinitrobenzene	6.806	168	11185	5.447	ug/ml	85
52) 1,3-Dinitrobenzene	6.881	168	12551	5.103	ug/ml#	1
53) Dimethyl phthalate	6.881	163	102210	4.760	ug/ml#	98
54) Acenaphthylene	6.937	152	131717	4.855	ug/ml	99
55) 2,6-Dinitrotoluene	6.918	165	20726	5.171	ug/ml#	78
56) 1,2-Dinitrobenzene	6.955	168	7985	5.563	ug/ml	94
66) 3-Nitroaniline	7.067	138	23100	5.196	ug/ml	83
67) Acenaphthene	7.111	154	75611	4.516	ug/ml	87
68) 2,4-Dinitrophenol	7.170	184	13406	4.952	ug/ml#	80
69) Dibenzofuran	7.278	168	129913	4.500	ug/ml#	85
70) 2,4-Dinitrotoluene	7.300	165	30137	5.409	ug/ml#	71
71) 4-Nitrophenol	7.278	65	18122	5.468	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.378	232	30566	4.866	ug/ml	99
73) 2,3,4,6-Tetrachlorophenol	7.418	232	30018	4.875	ug/ml	99
74) Diethyl phthalate	7.564	149	101315	4.471	ug/ml	97
75) Fluorene	7.605	166	103483	4.680	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.633	204	50894	4.466	ug/ml#	84
77) 4-Nitroaniline	7.648	138	23579	5.487	ug/ml#	79
78) 4,6-Dinitro-o-cresol	7.686	198	18696	5.551	ug/ml#	58
79) NDPA/DPA	7.751	169	85725	4.457	ug/ml	90
80) Azobenzene	7.782	77	86136	4.673	ug/ml	98
82) 4-Bromophenyl phenyl e...	8.096	248	33446	4.456	ug/ml#	77
83) Hexachlorobenzene	8.139	284	42015	4.447	ug/ml#	80
84) Pentachlorophenol	8.338	266	27094	5.290	ug/ml	99
91) Phenanthrene	8.512	178	172892	4.621	ug/ml	100

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Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Anthracene	8.559	178	172727	4.707	ug/ml	98
93) Carbazole	8.736	167	164159	4.874	ug/ml	98
94) Di-n-butylphthalate	9.146	149	177551	4.650	ug/ml#	98
95) Fluoranthene	9.647	202	218247	4.850	ug/ml#	92
96) Benzidine	9.815	184	128122	5.247	ug/ml#	95
97) Pyrene	9.852	202	236074	4.910	ug/ml	99
99) Butyl benzyl phthalate	10.576	149	85191	5.209	ug/ml#	82
107) Benzo(a)anthracene	11.036	228	243833	4.517	ug/ml	98
108) 3,3'-Dichlorobenzidine	11.052	252	98752	4.910	ug/ml#	97
109) Chrysene	11.070	228	243210	4.527	ug/ml	98
110) Bis(2-ethylhexyl)phtha...	11.198	149	134294	4.641	ug/ml#	87
111) Di-n-octylphthalate	11.854	149	230480	4.776	ug/ml#	71
112) Benzo(b)fluoranthene	12.099	252	275404	4.870	ug/ml#	93
113) Benzo(k)fluoranthene	12.124	252	267249	4.851	ug/ml#	93
114) Benzo(a)pyrene	12.398	252	250476	4.964	ug/ml#	93
116) Indeno(1,2,3-cd)pyrene	13.383	276	275325	4.596	ug/mL#	88
117) Dibenzo(a,h)anthracene	13.408	278	277498	4.714	ug/ml#	89
118) Benzo(ghi)perylene	13.594	276	270787	4.679	ug/ml#	86

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

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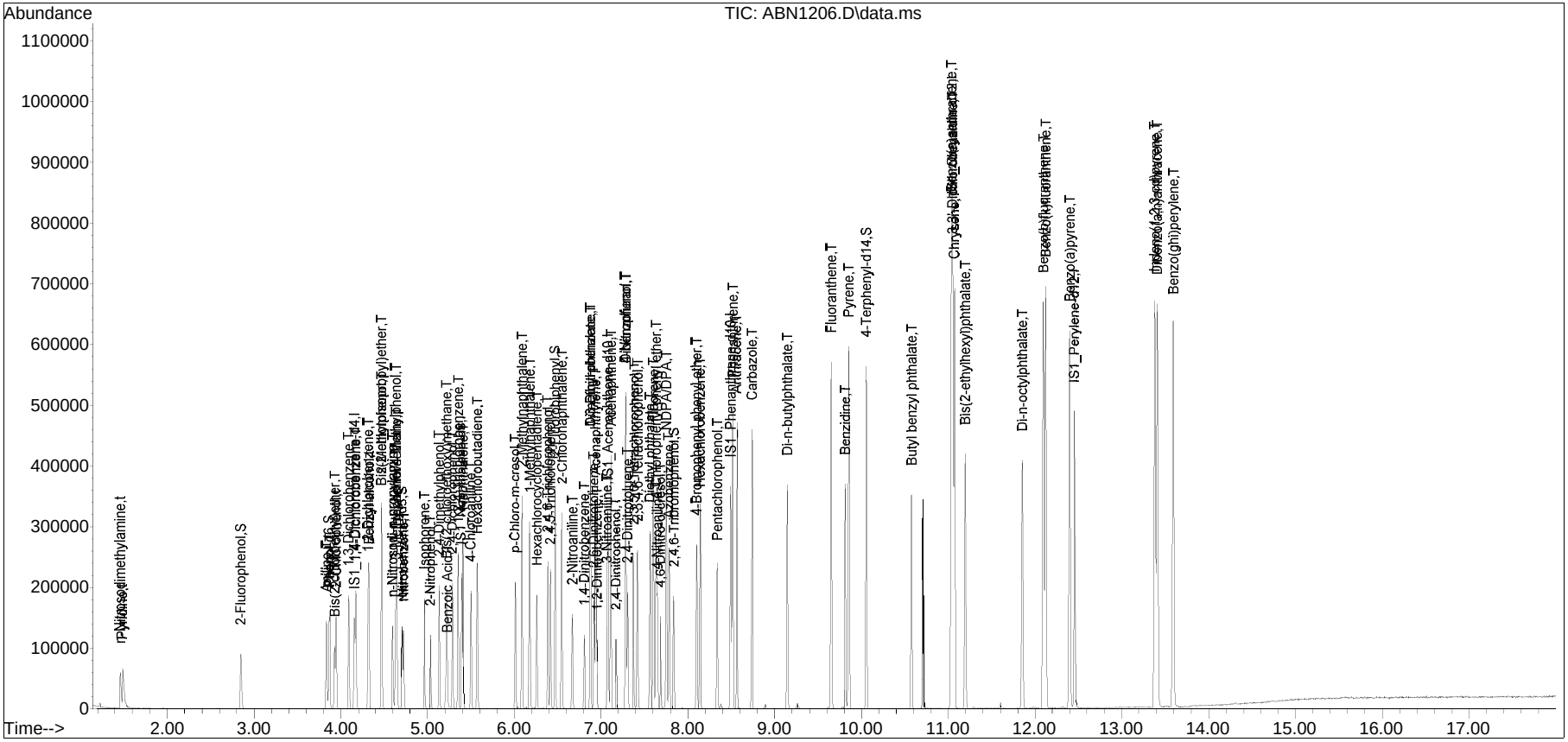
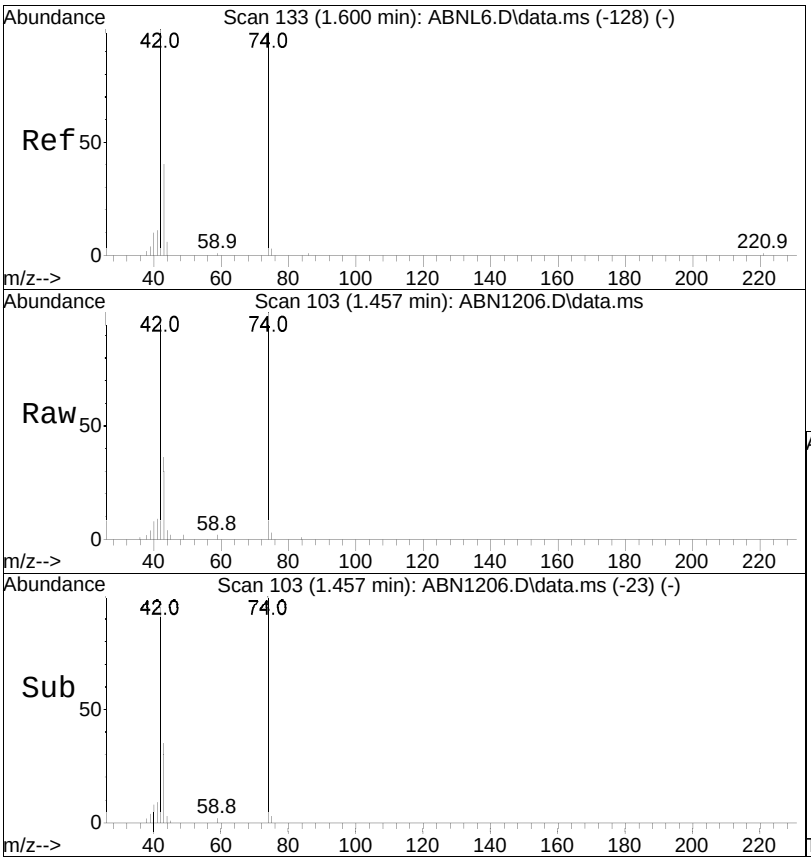
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

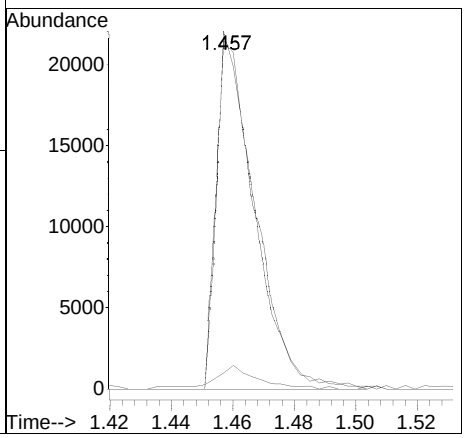


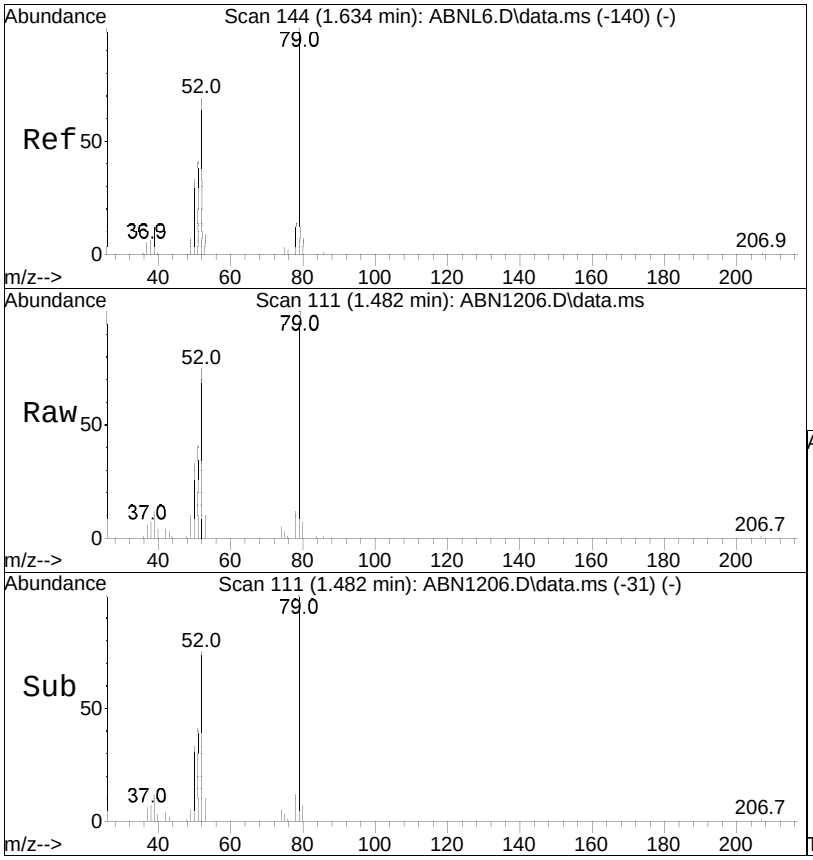


#2
n-Nitrosodimethylamine
Concen: 5.36 ug/ml
RT: 1.457 min Scan# 103
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion: 74 Resp: 18744

Ion	Ratio	Lower	Upper
74	100		
42	100.0	100.0	150.0
44	7.7	6.7	10.1

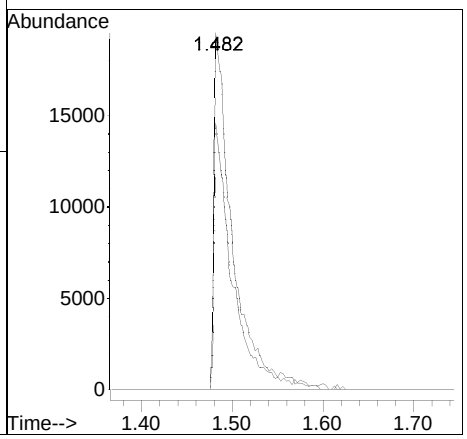


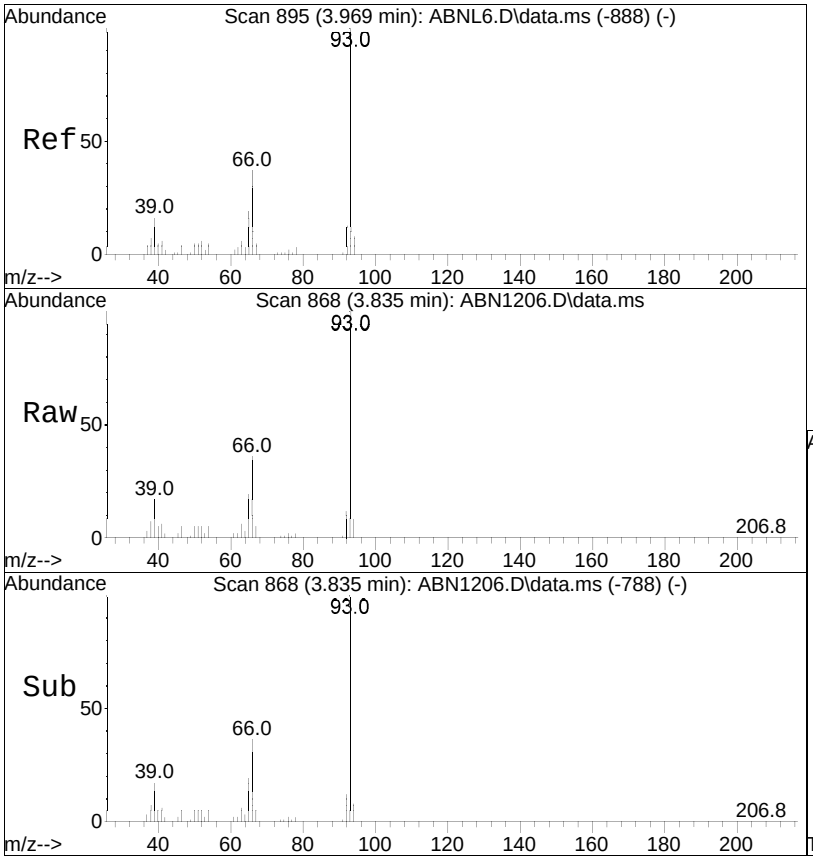


#3
Pyridine
Concen: 5.18 ug/ml M1
RT: 1.482 min Scan# 111
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion: 79 Resp: 27432

Ion	Ratio	Lower	Upper
79	100		
52	74.0	93.1	139.7#

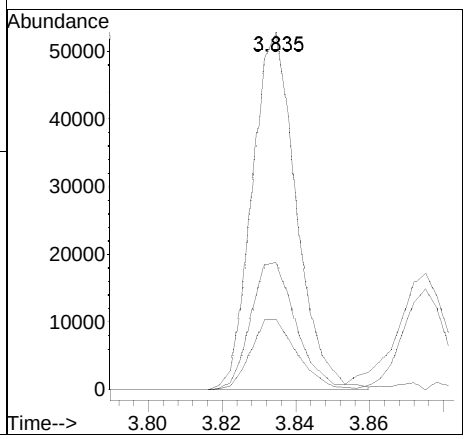


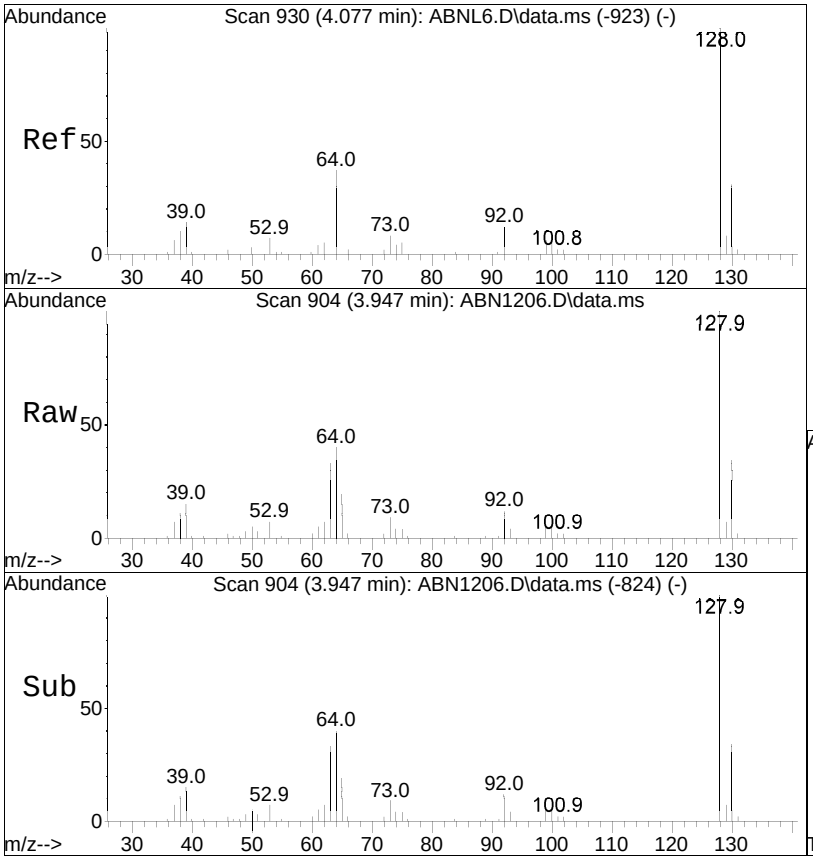


#5
Aniline
Concen: 5.02 ug/ml
RT: 3.835 min Scan# 868
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion: 93 Resp: 43640

Ion	Ratio	Lower	Upper
93	100		
66	36.9	32.6	49.0
65	20.8	17.6	26.4

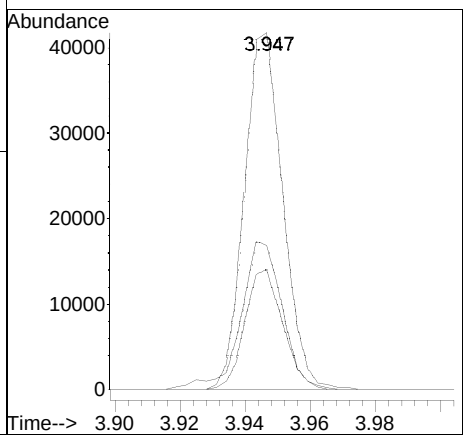


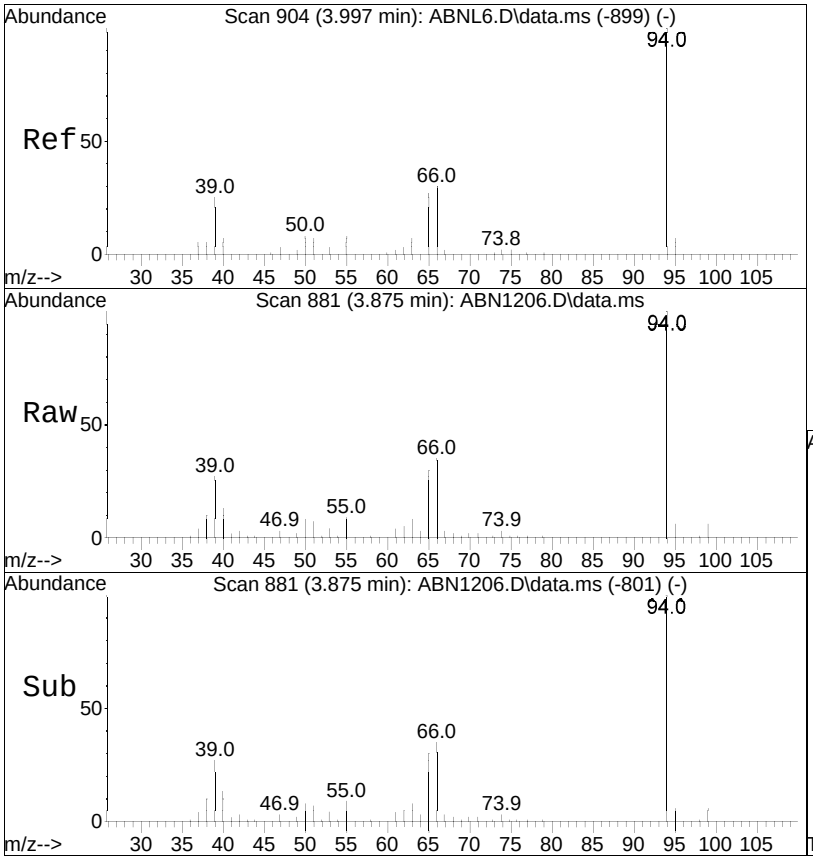


#6
2-Chlorophenol
Concen: 4.99 ug/ml
RT: 3.947 min Scan# 904
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:128 Resp: 33944

Ion	Ratio	Lower	Upper
128	100		
64	44.6	45.1	67.7#
130	33.3	26.2	39.4

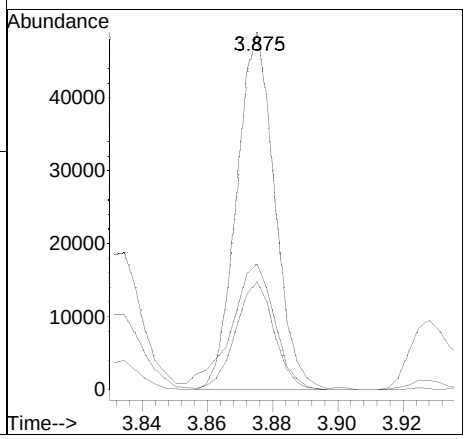


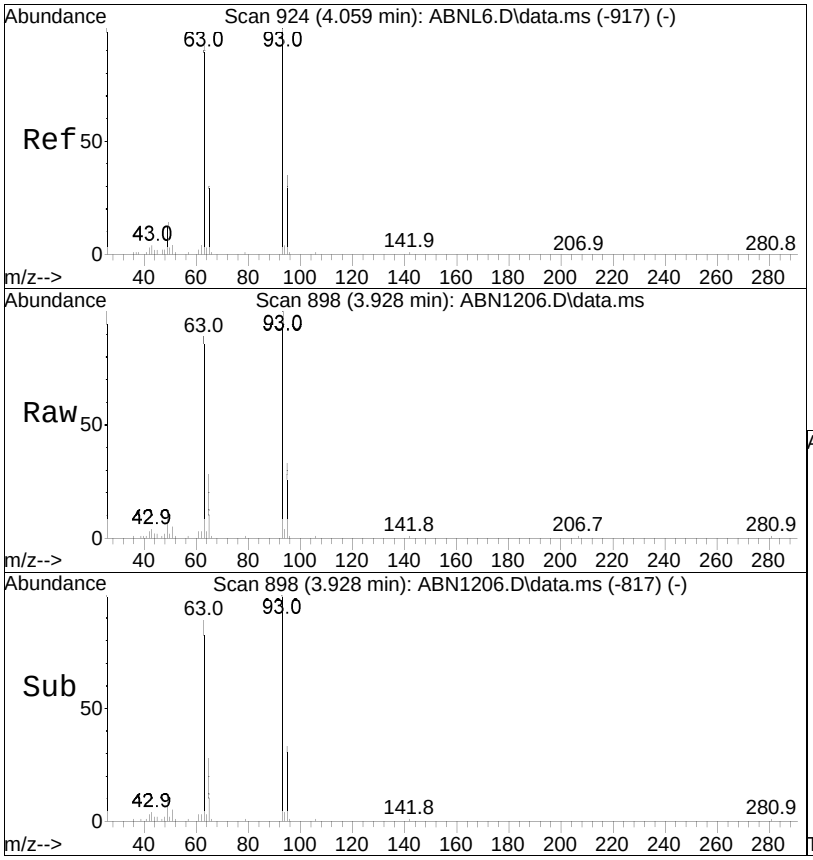


#8
Phenol
Concen: 5.02 ug/ml
RT: 3.875 min Scan# 881
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion: 94 Resp: 39634

Ion	Ratio	Lower	Upper
94	100		
65	30.6	26.0	39.0
66	40.4	33.8	50.8

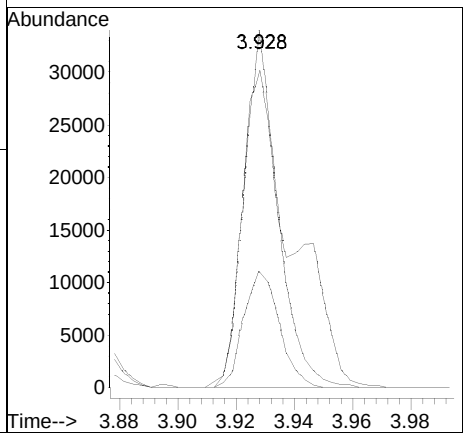


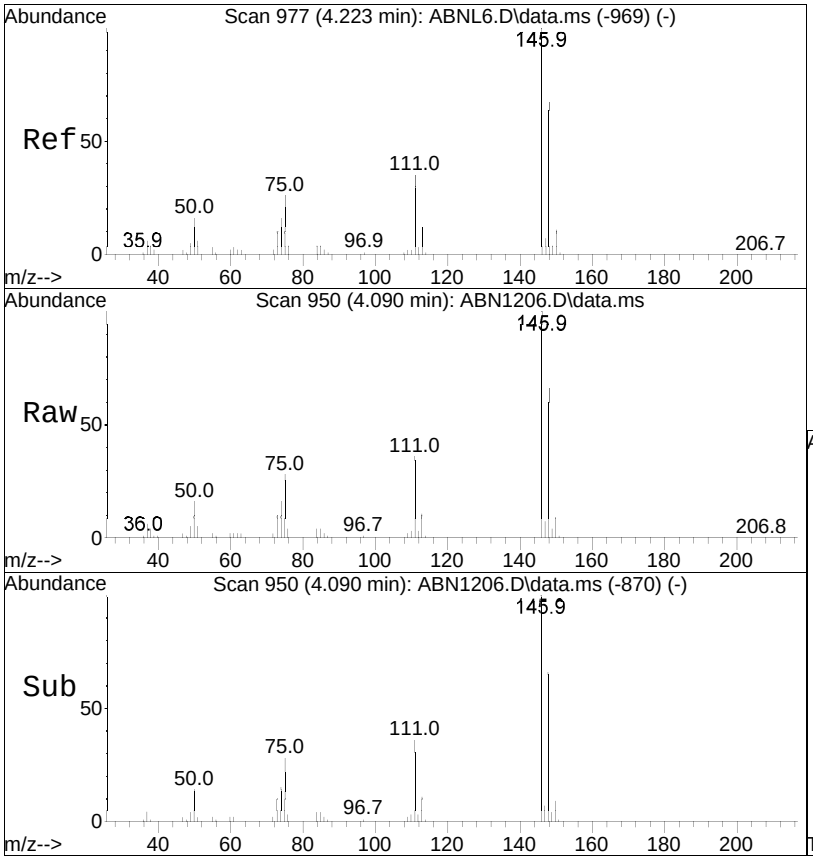


#9
Bis(2-chloroethyl)ether
Concen: 4.85 ug/ml
RT: 3.928 min Scan# 898
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion: 93 Resp: 27421

Ion	Ratio	Lower	Upper
93	100		
63	129.7	74.6	111.8#
95	34.4	25.9	38.9

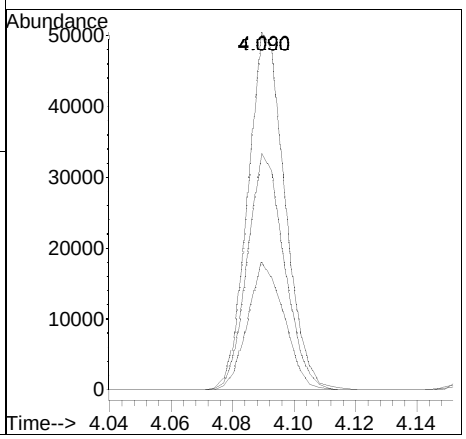


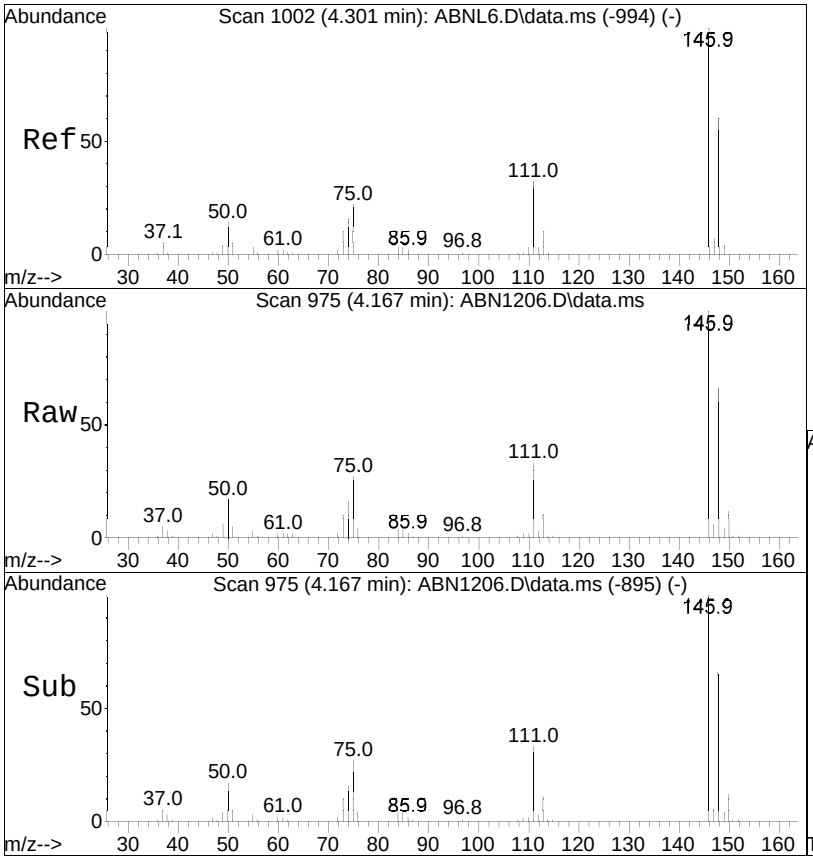


#10
1,3-Dichlorobenzene
Concen: 4.80 ug/ml
RT: 4.090 min Scan# 950
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:146 Resp: 41987

Ion	Ratio	Lower	Upper
146	100		
111	35.3	34.3	51.5
148	65.9	50.8	76.2

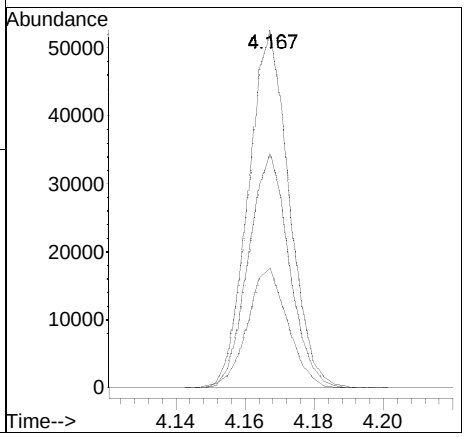


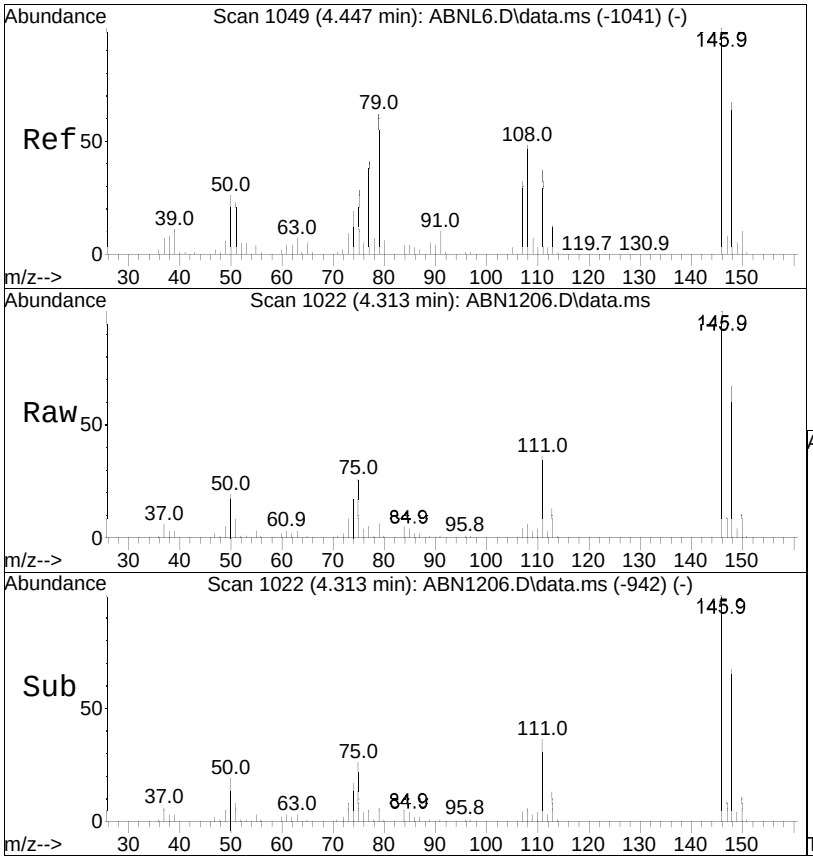


#11
1,4-Dichlorobenzene
Concen: 4.79 ug/ml
RT: 4.167 min Scan# 975
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:146 Resp: 42783

Ion	Ratio	Lower	Upper
146	100		
148	65.7	50.7	76.1
111	33.5	33.4	50.0

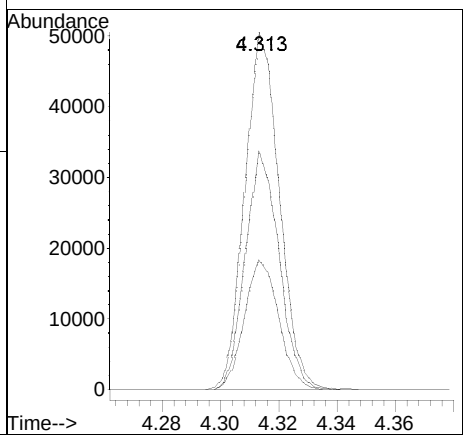


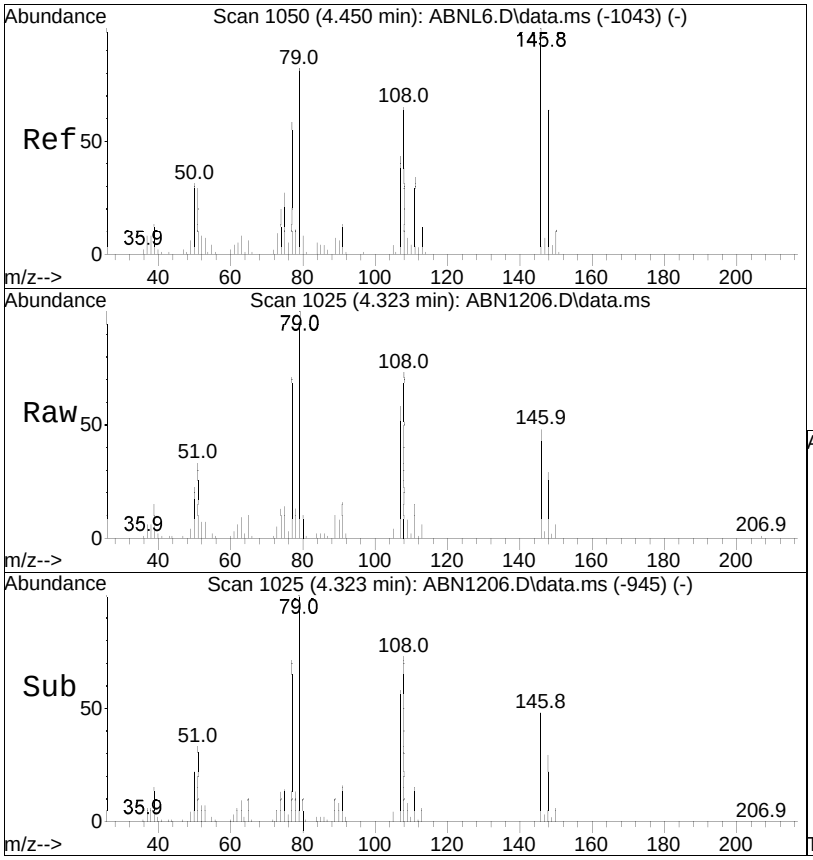


#12
1,2-Dichlorobenzene
Concen: 4.86 ug/ml
RT: 4.313 min Scan# 1022
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:146 Resp: 41358

Ion	Ratio	Lower	Upper
146	100		
111	36.4	34.6	52.0
148	65.3	50.2	75.4

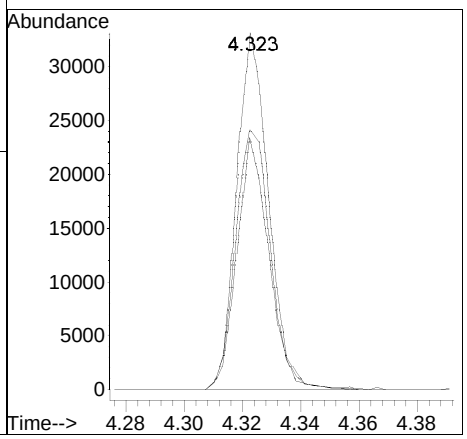


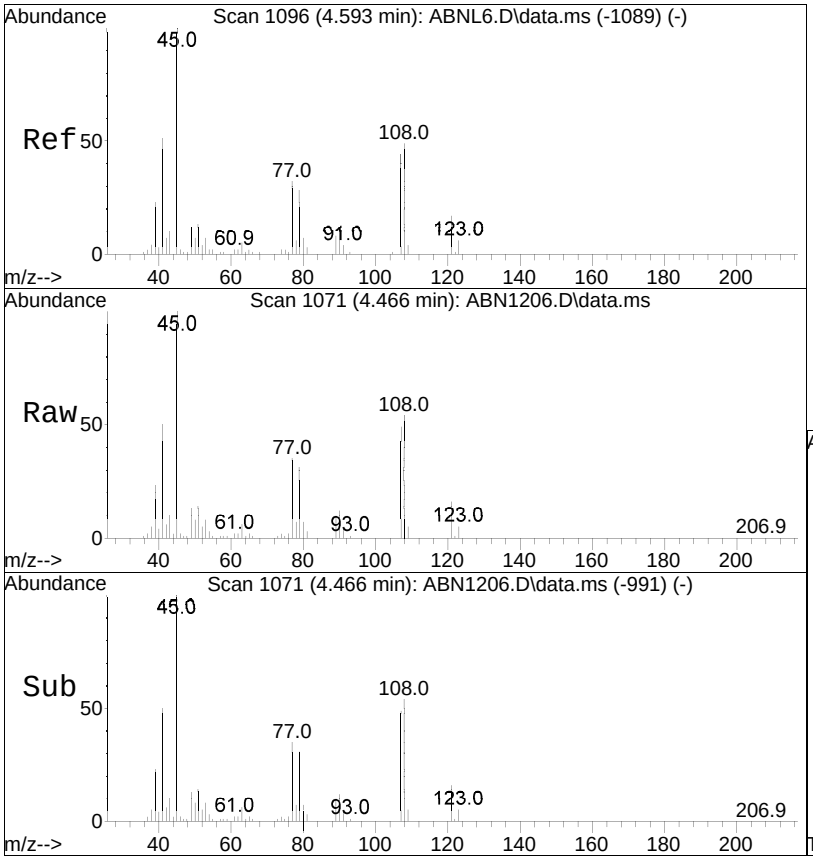


#13
Benzyl alcohol
Concen: 4.90 ug/ml
RT: 4.323 min Scan# 1025
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion: 79 Resp: 25312

Ion	Ratio	Lower	Upper
79	100		
77	70.4	54.9	82.3
108	79.4	63.1	94.7

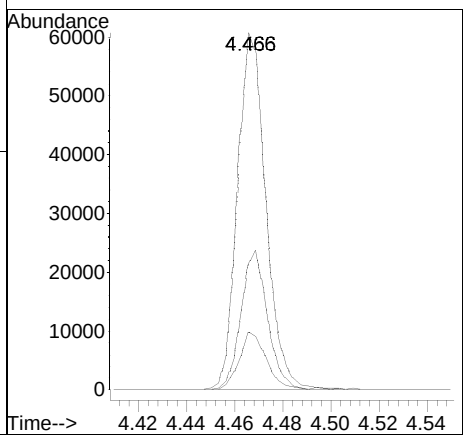


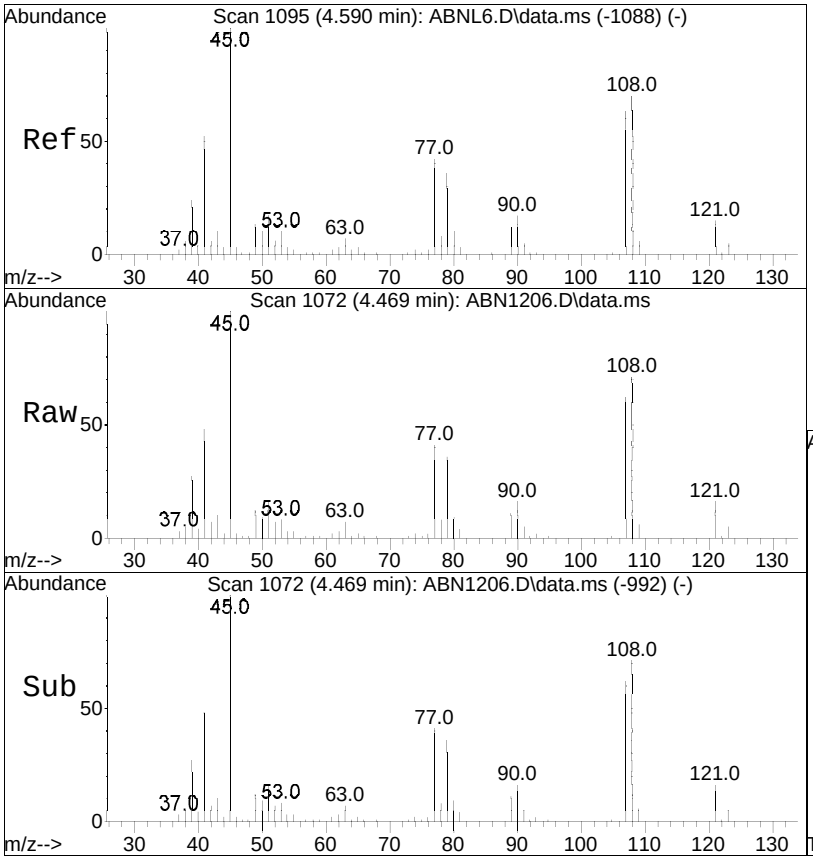


#14
Bis(2-chloroisopropyl)ether
Concen: 4.97 ug/ml
RT: 4.466 min Scan# 1071
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion: 45 Resp: 49491

Ion	Ratio	Lower	Upper
45	100		
121	15.3	9.8	14.6#
77	36.6	6.1	9.1#

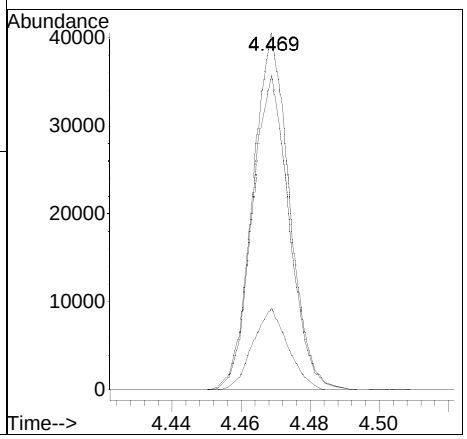


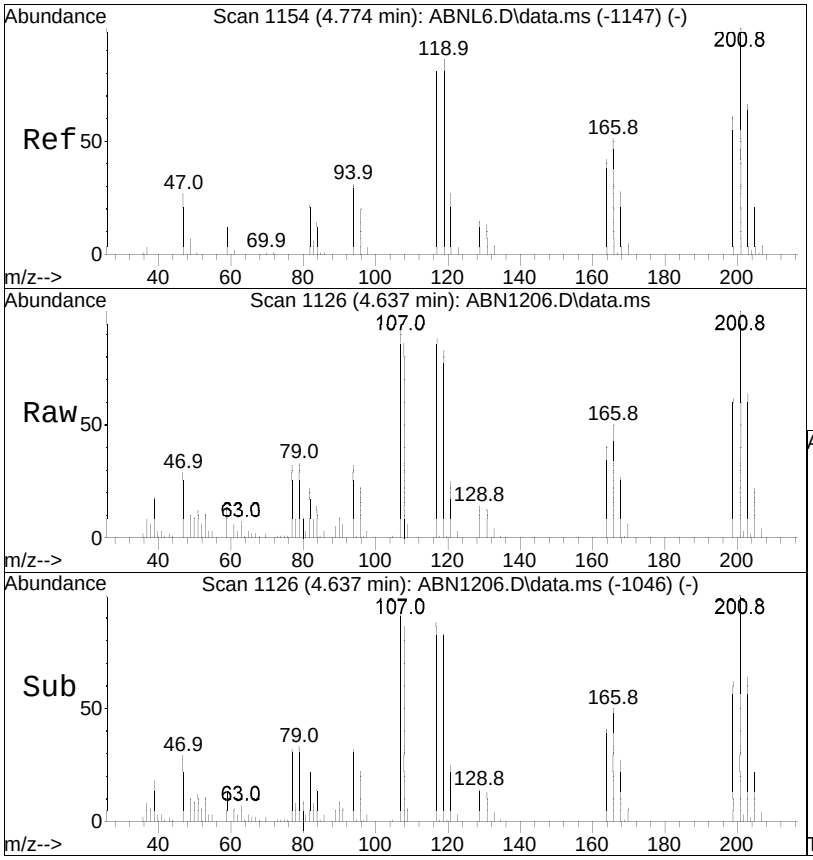


#15
2-Methylphenol
Concen: 4.95 ug/ml
RT: 4.469 min Scan# 1072
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:108 Resp: 29634

Ion	Ratio	Lower	Upper
108	100		
107	89.0	70.7	106.1
90	22.0	18.7	28.1

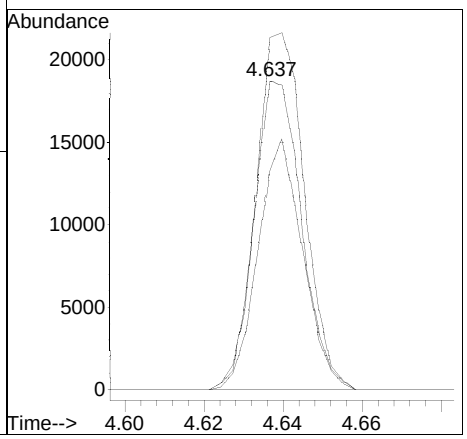


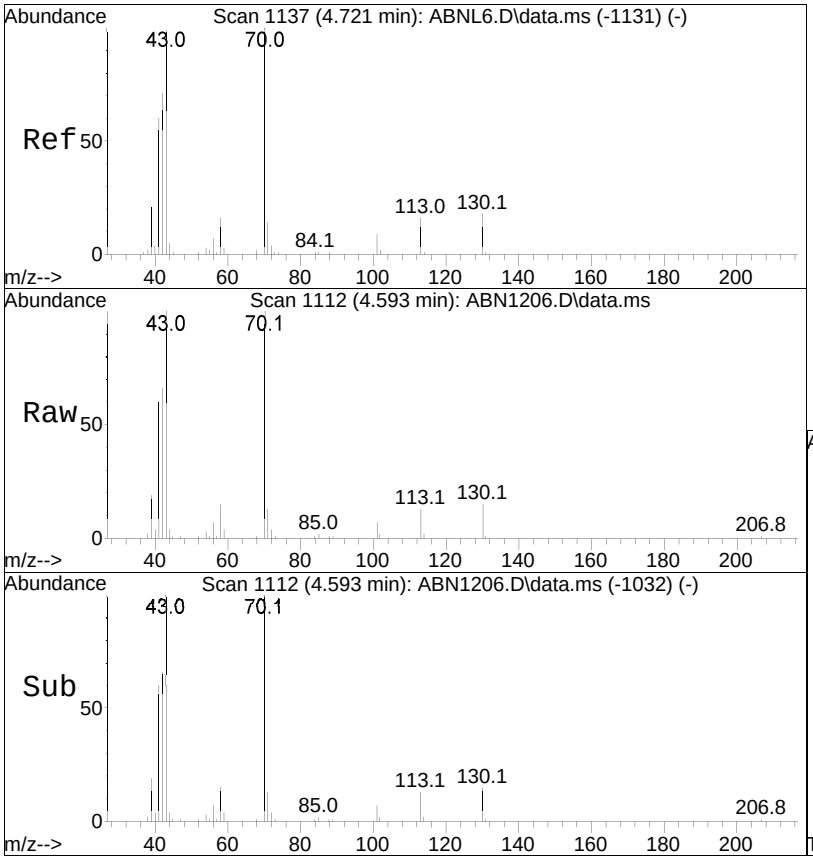


#16
Hexachloroethane
Concen: 4.76 ug/ml
RT: 4.637 min Scan# 1126
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:117 Resp: 15573

Ion	Ratio	Lower	Upper
117	100		
201	118.1	58.6	87.8#
199	76.8	36.9	55.3#

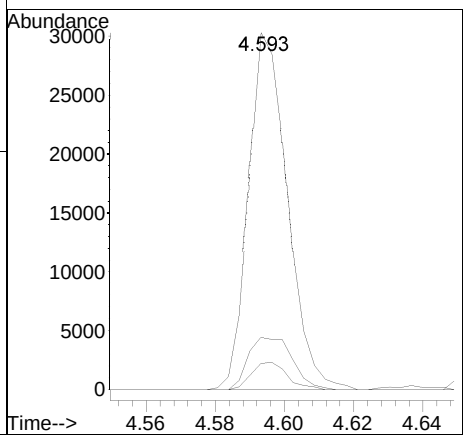


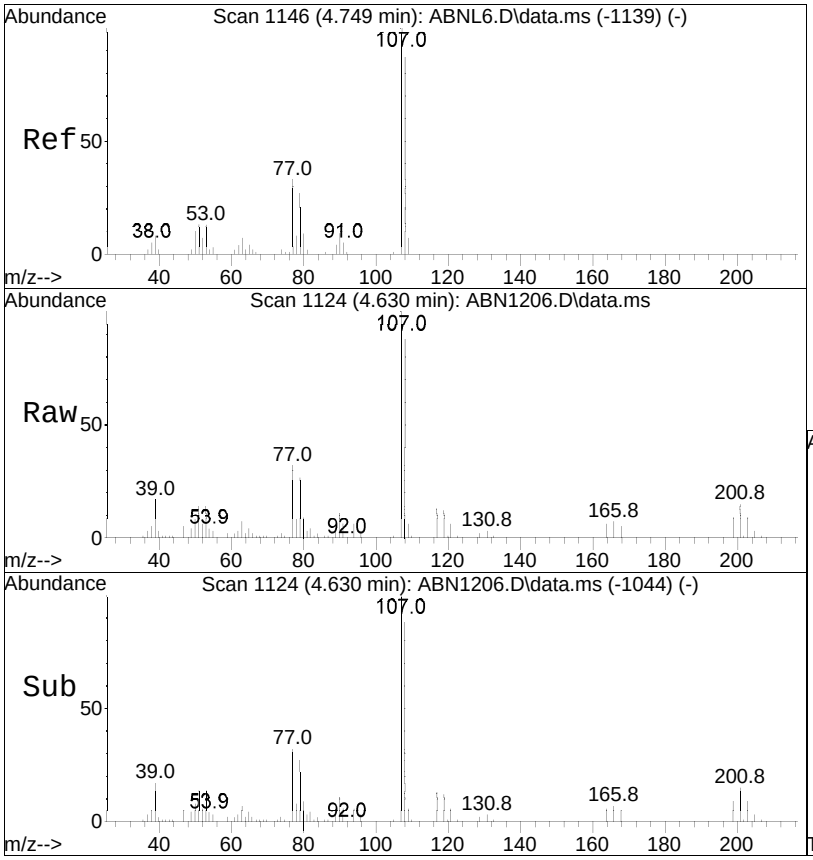


#17
n-Nitrosodi-n-propylamine
Concen: 4.93 ug/ml
RT: 4.593 min Scan# 1112
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion: 70 Resp: 23598

Ion	Ratio	Lower	Upper
70	100		
130	16.6	18.2	27.4#
101	7.1	7.8	11.8#

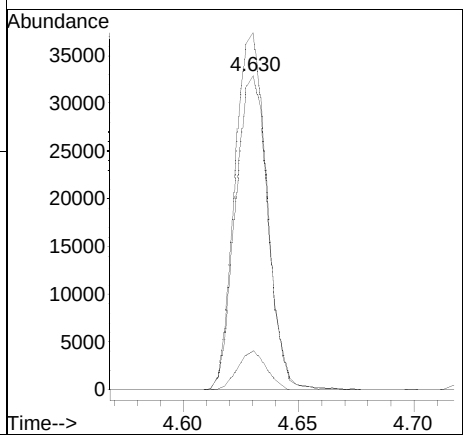


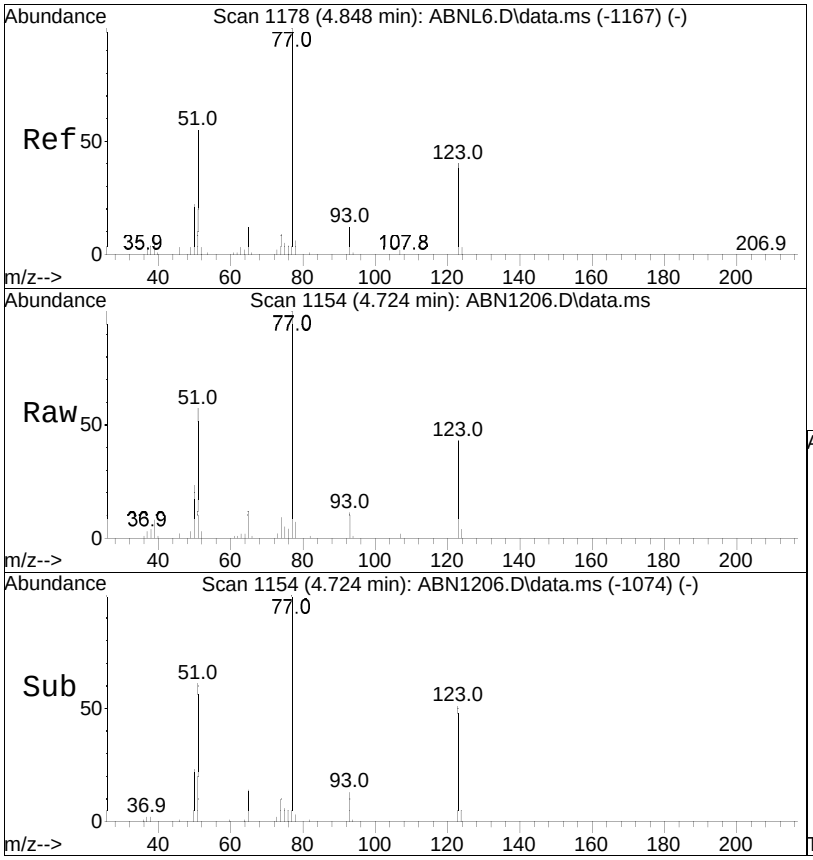


#18
3-Methylphenol/4-Methylphenol
Concen: 4.94 ug/ml
RT: 4.630 min Scan# 1124
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:108 Resp: 32436

Ion	Ratio	Lower	Upper
108	100		
107	111.6	88.6	132.8
90	11.1	8.8	13.2

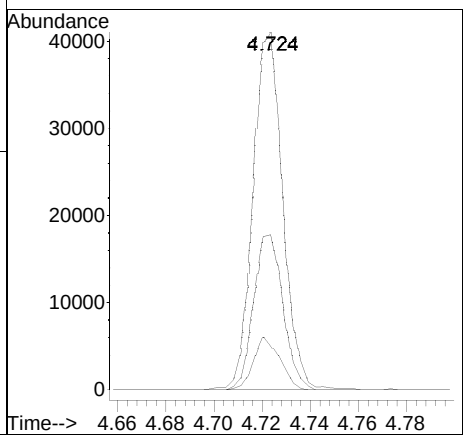


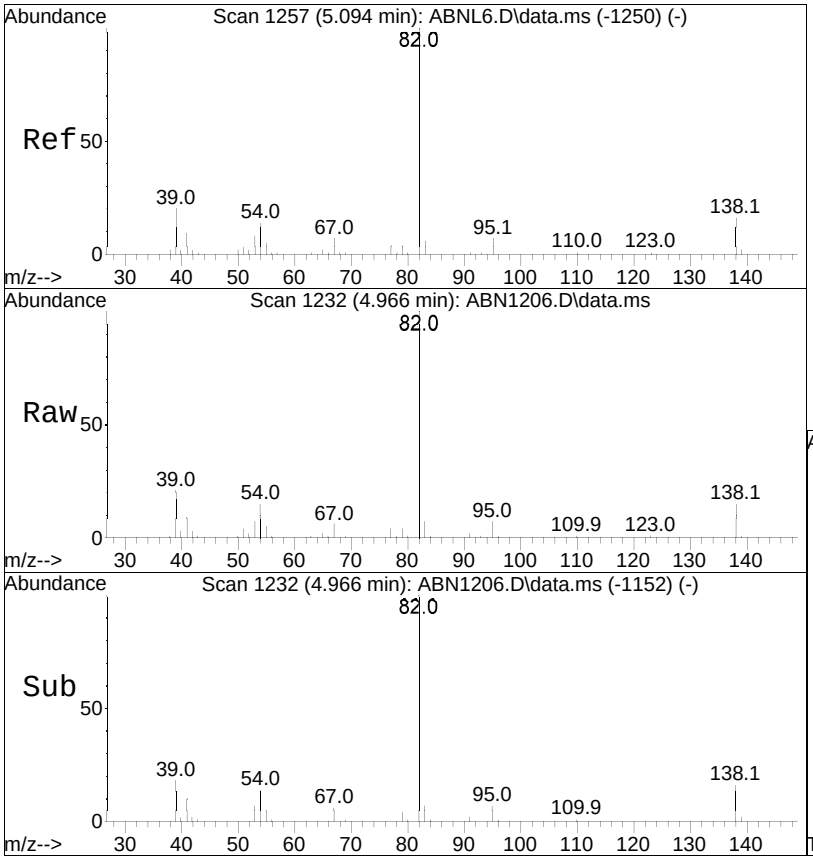


#20
Nitrobenzene
Concen: 5.14 ug/ml
RT: 4.724 min Scan# 1154
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion: 77 Resp: 34848

Ion	Ratio	Lower	Upper
77	100		
123	43.0	36.3	54.5
65	13.3	11.6	17.4

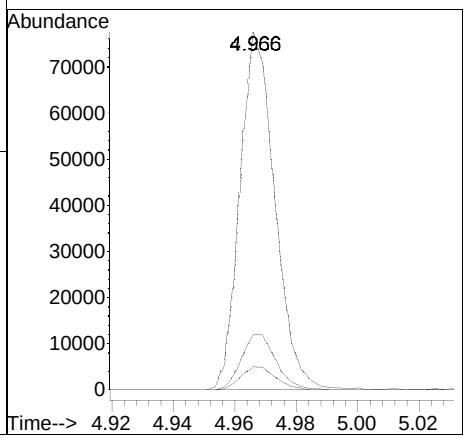


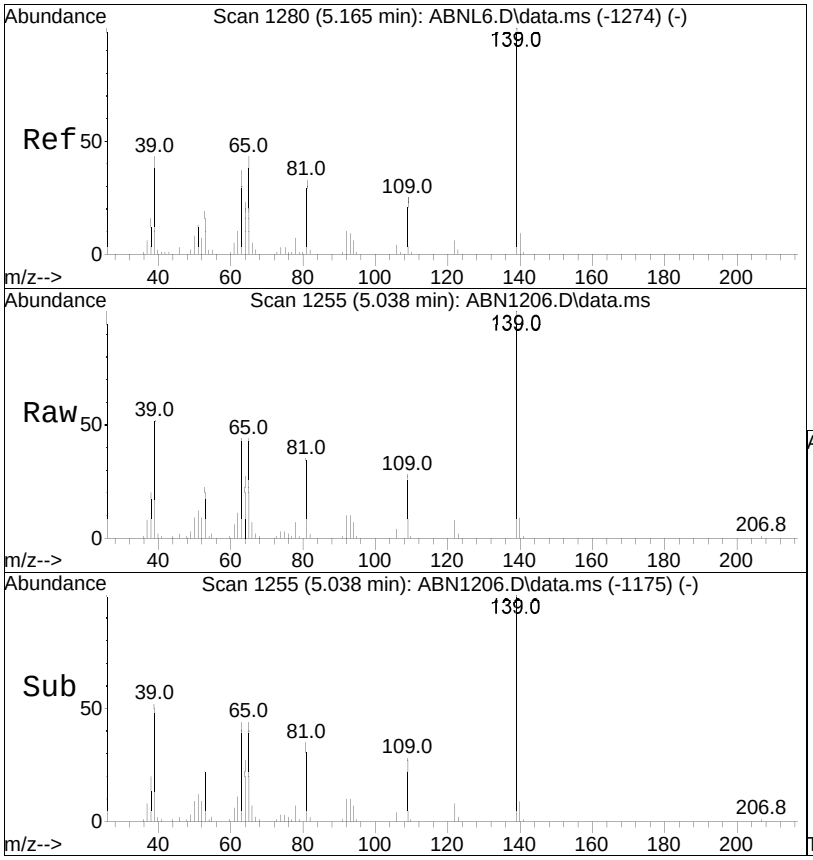


#21
Isophorone
Concen: 4.86 ug/ml
RT: 4.966 min Scan# 1232
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion: 82 Resp: 60648

Ion	Ratio	Lower	Upper
82	100		
138	15.3	14.7	22.1
95	6.5	5.2	7.8

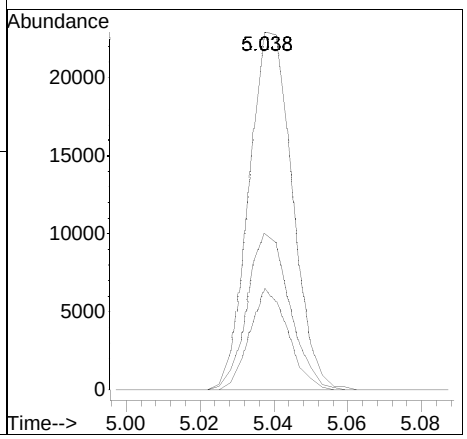


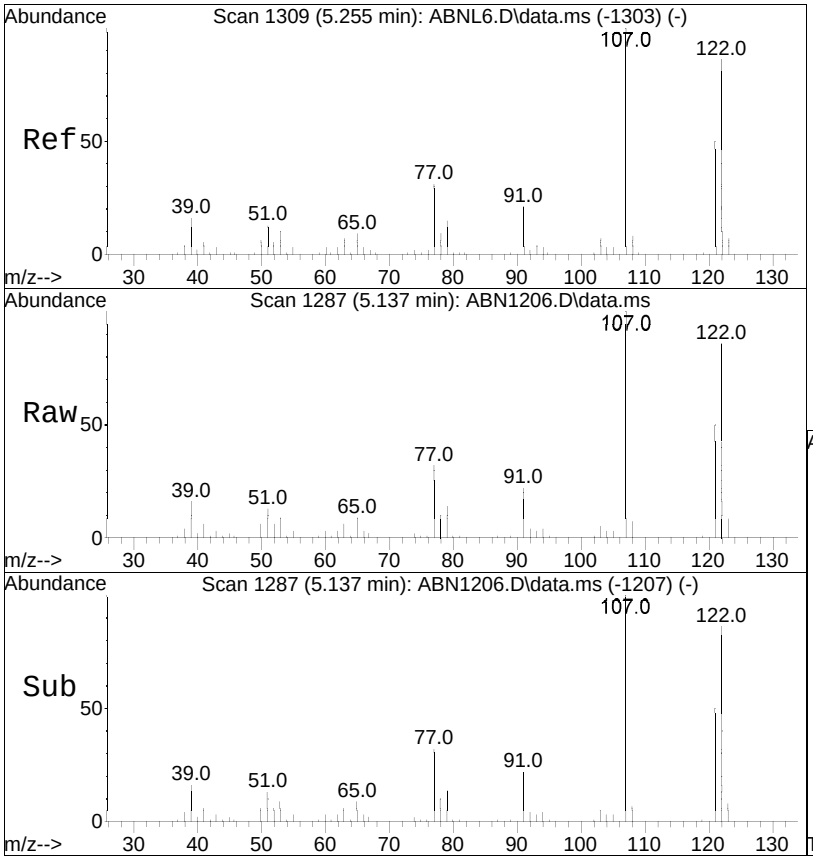


#22
2-Nitrophenol
Concen: 5.44 ug/ml
RT: 5.038 min Scan# 1255
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:139 Resp: 18700

Ion	Ratio	Lower	Upper
139	100		
109	25.1	19.4	29.0
65	42.9	46.1	69.1#

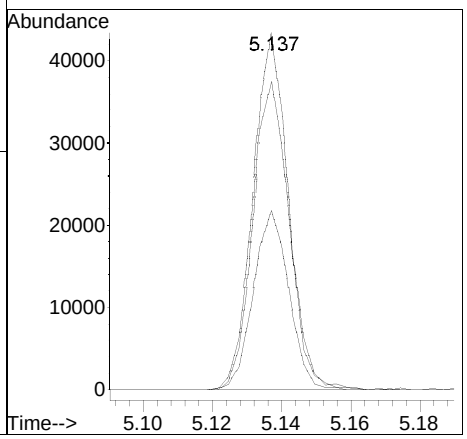


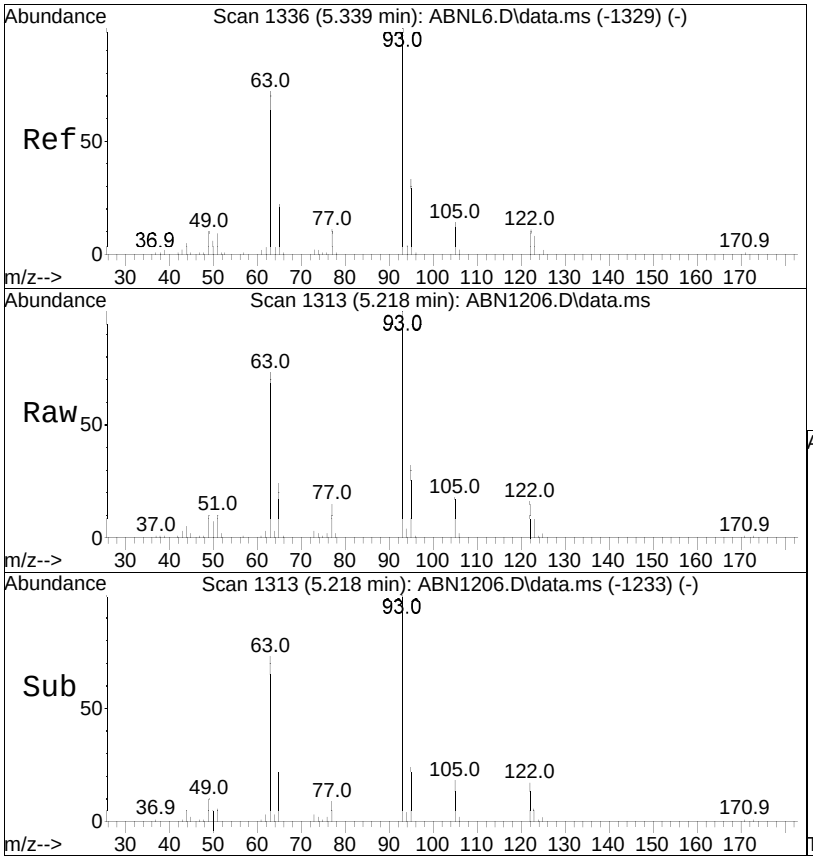


#23
2,4-Dimethylphenol
Concen: 5.04 ug/ml
RT: 5.137 min Scan# 1287
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:107 Resp: 30797

Ion	Ratio	Lower	Upper
107	100		
121	50.5	40.0	60.0
122	87.7	70.2	105.4

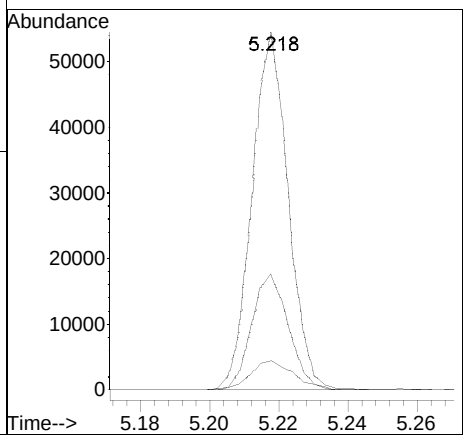


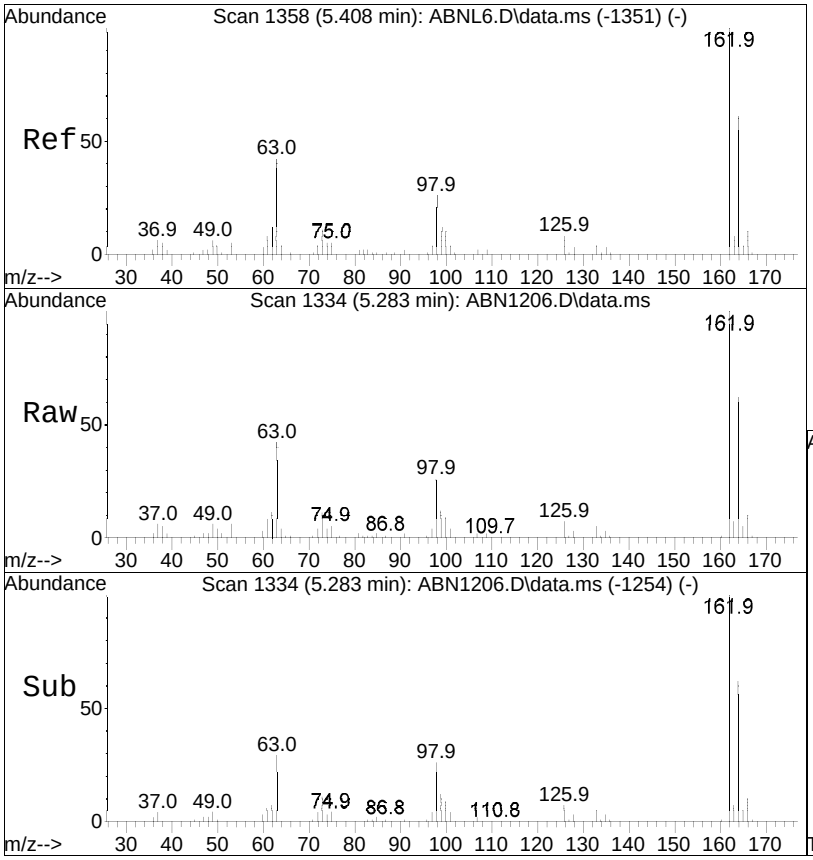


#24
Bis(2-chloroethoxy)methane
Concen: 5.05 ug/ml
RT: 5.218 min Scan# 1313
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion: 93 Resp: 39245

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.8	38.8
123	10.0	10.1	15.1#

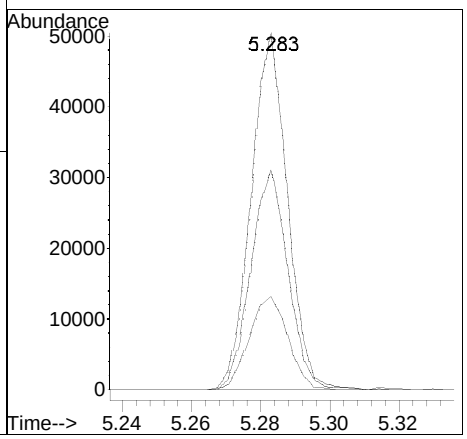


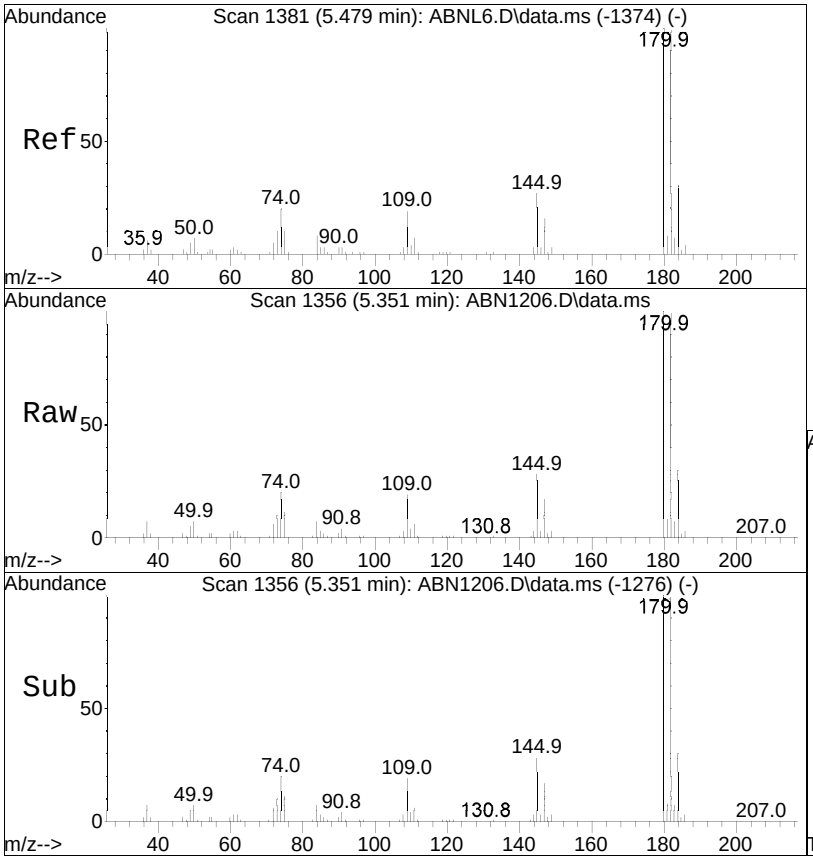


#25
2,4-Dichlorophenol
Concen: 5.10 ug/ml
RT: 5.283 min Scan# 1334
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:162 Resp: 36386

Ion	Ratio	Lower	Upper
162	100		
164	63.3	51.0	76.4
98	28.1	32.2	48.2#

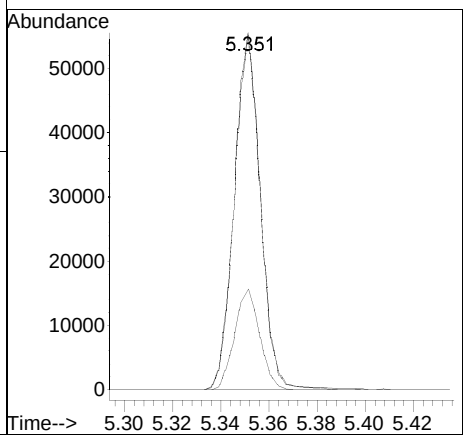


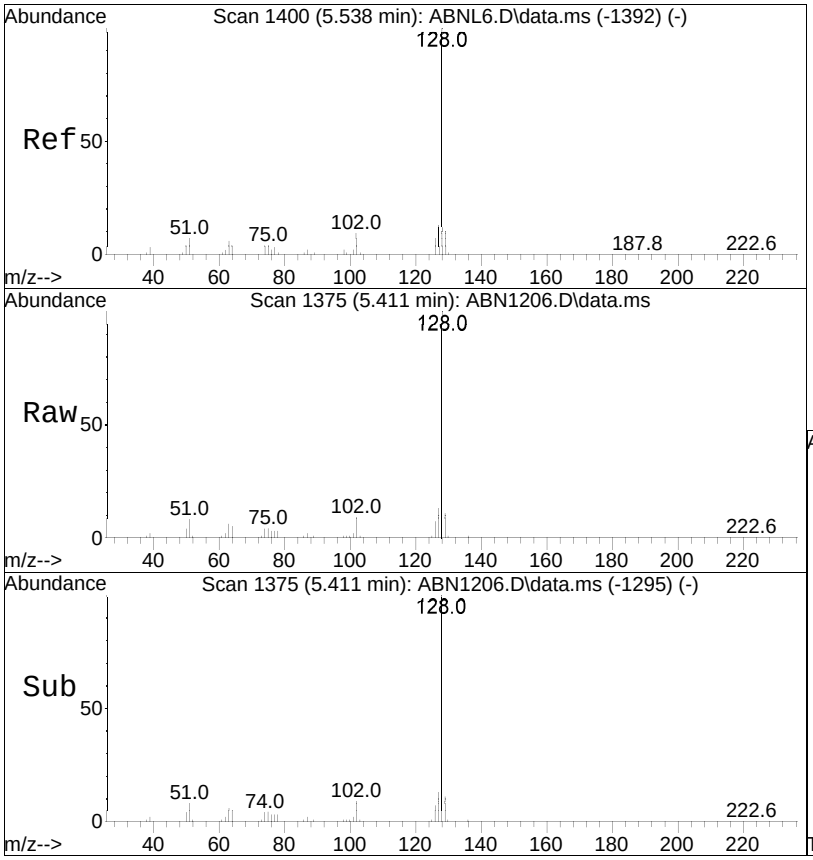


#26
1,2,4-Trichlorobenzene
Concen: 4.86 ug/ml
RT: 5.351 min Scan# 1356
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:180 Resp: 41957

Ion	Ratio	Lower	Upper
180	100		
182	97.7	76.0	114.0
145	27.0	25.7	38.5

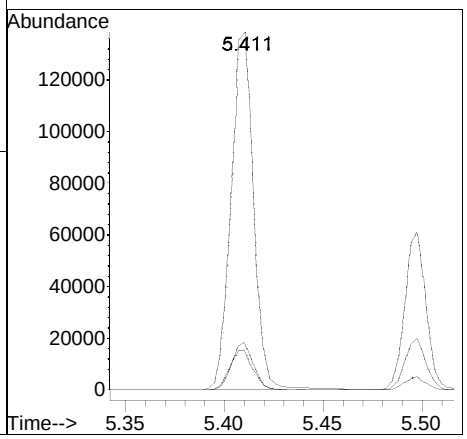


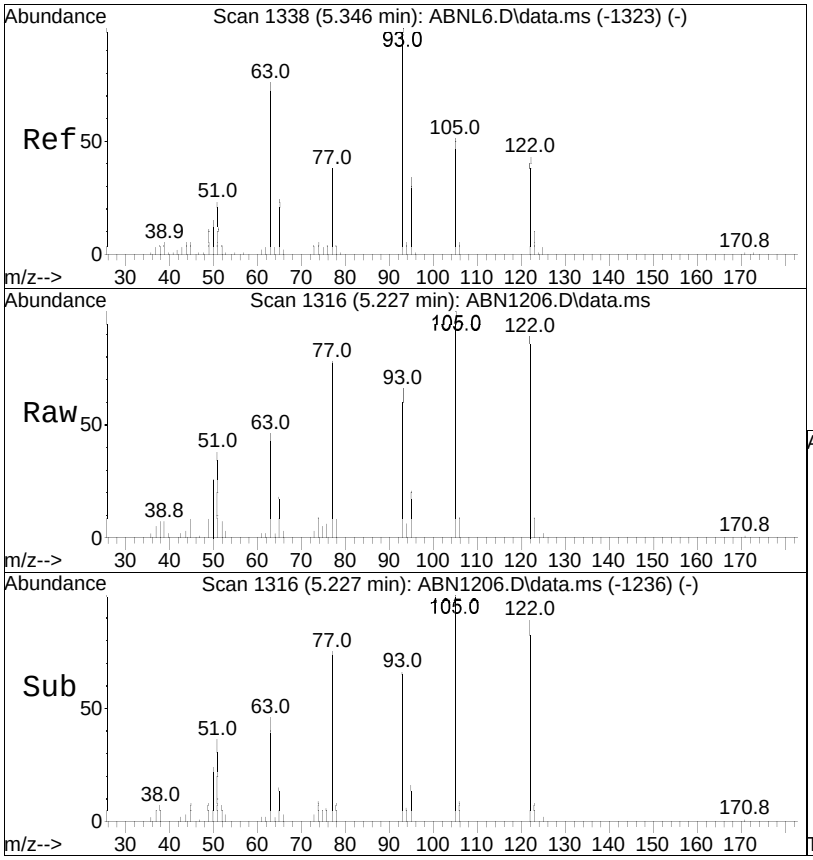


#38
Naphthalene
Concen: 4.59 ug/ml
RT: 5.411 min Scan# 1375
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:128 Resp: 109408

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.1	10.3	15.5

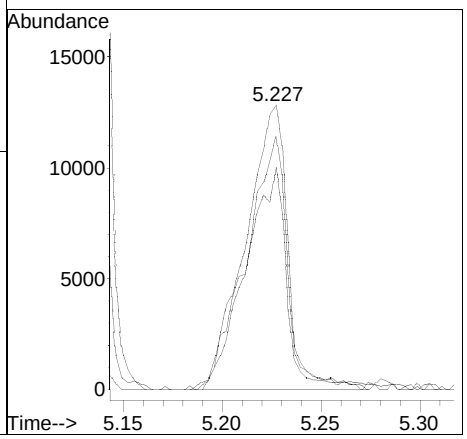


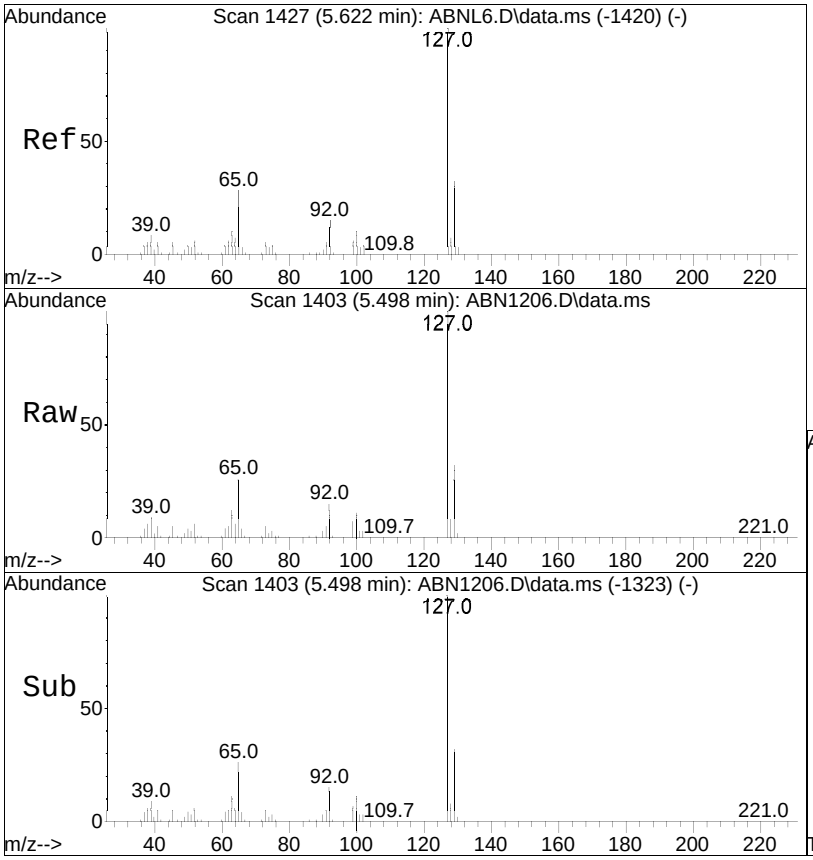


#39
Benzoic Acid
Concen: 3.89 ug/ml
RT: 5.227 min Scan# 1316
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:105 Resp: 19182

Ion	Ratio	Lower	Upper
105	100		
122	87.7	59.9	89.9
77	76.0	60.1	90.1

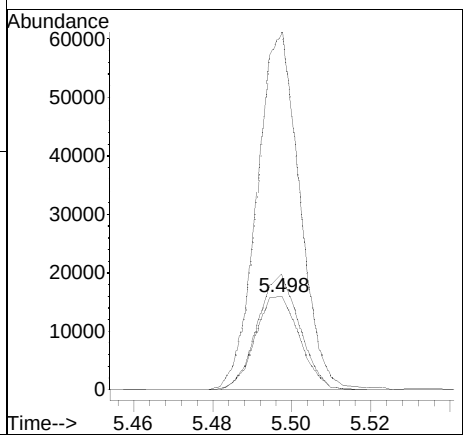


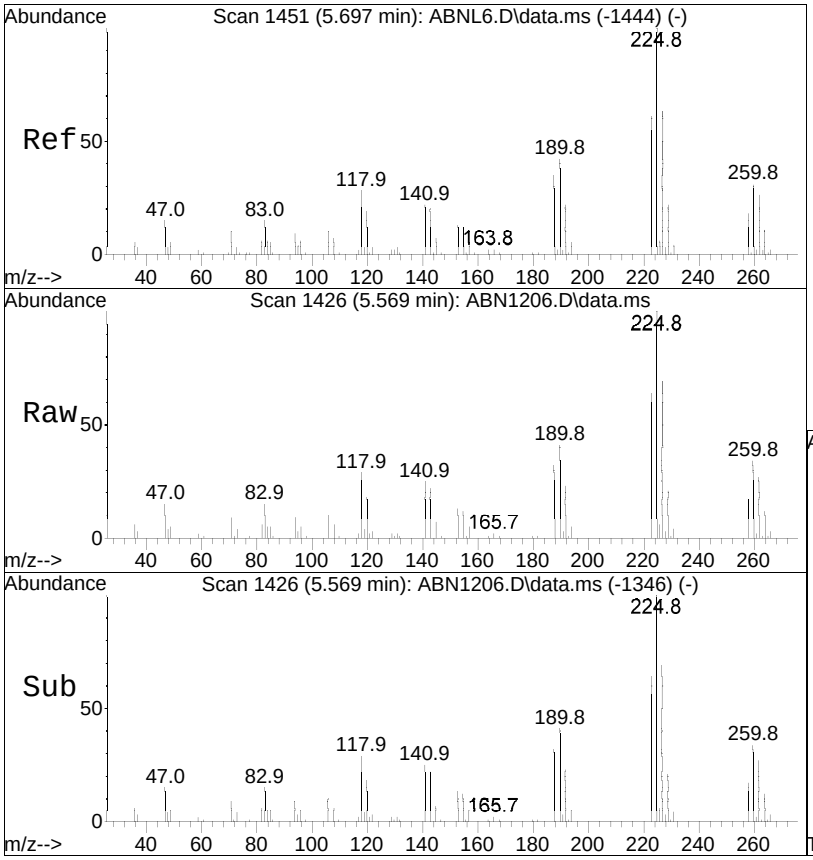


#40
4-Chloroaniline
Concen: 4.76 ug/ml
RT: 5.498 min Scan# 1403
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion: 65 Resp: 12466

Ion	Ratio	Lower	Upper
65	100		
127	366.2	237.6	356.4#
129	117.1	76.3	114.5#

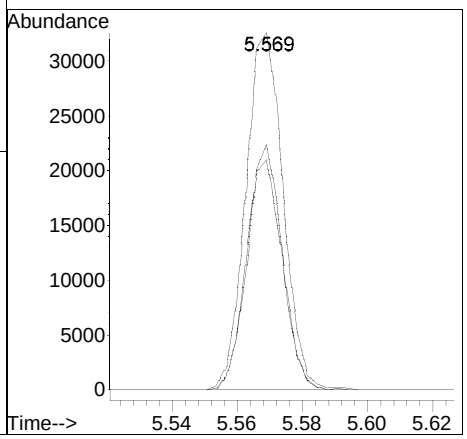


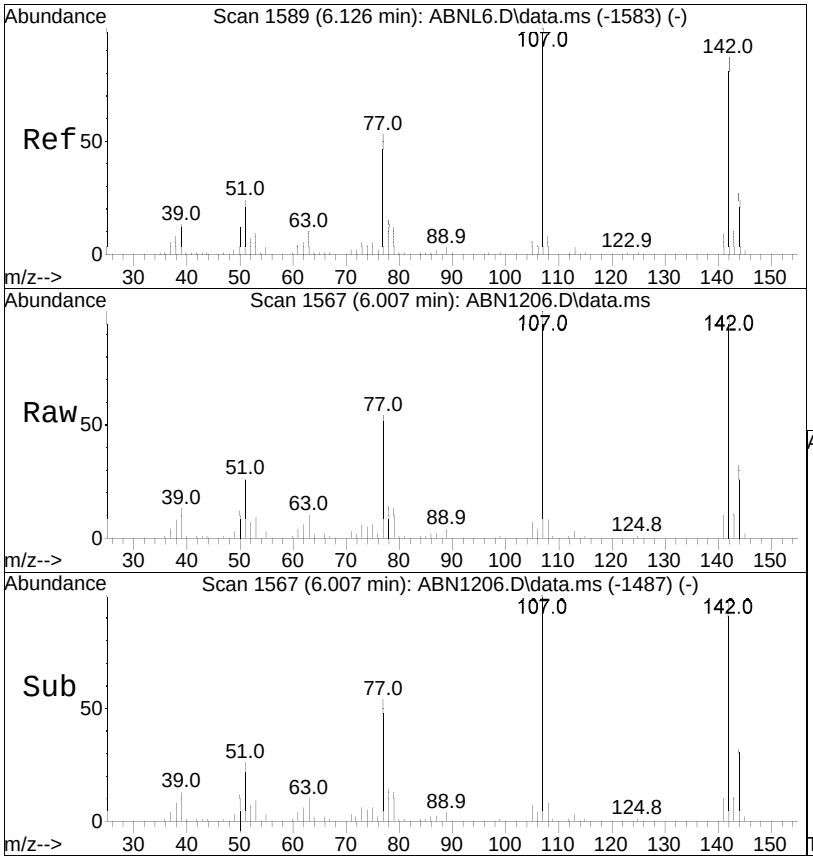


#41
Hexachlorobutadiene
Concen: 4.64 ug/ml
RT: 5.569 min Scan# 1426
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:225 Resp: 25975

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5
227	63.7	52.2	78.2

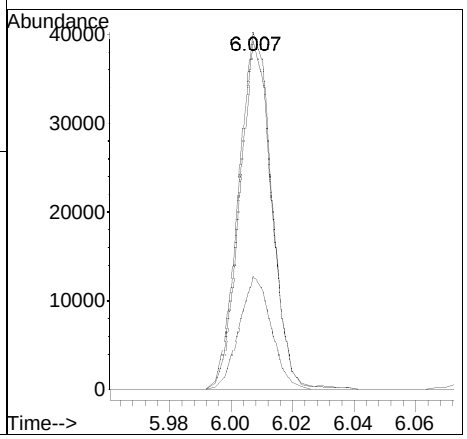


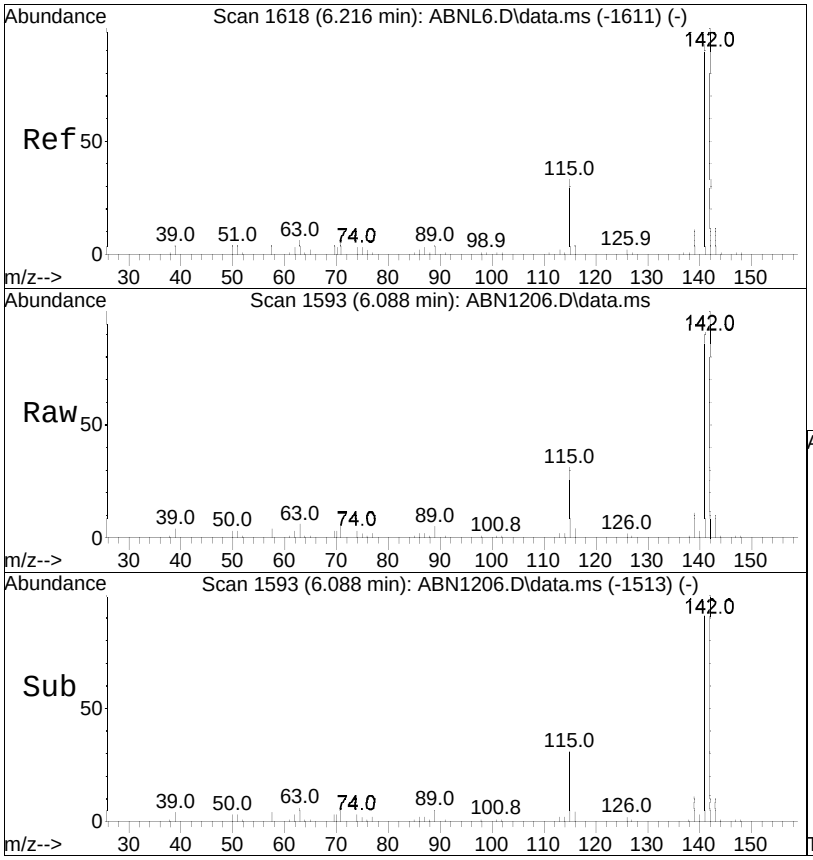


#42
p-Chloro-m-cresol
Concen: 4.77 ug/ml
RT: 6.007 min Scan# 1567
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:107 Resp: 29978

Ion	Ratio	Lower	Upper
107	100		
144	30.6	20.9	31.3
142	93.6	66.1	99.1

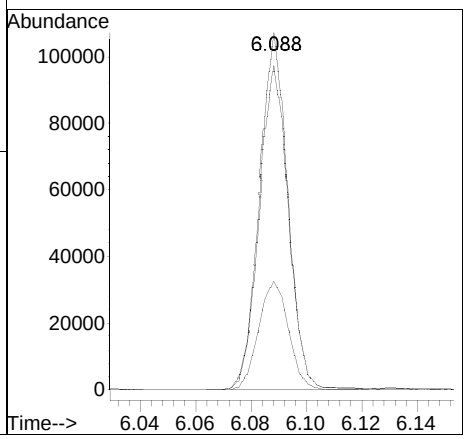


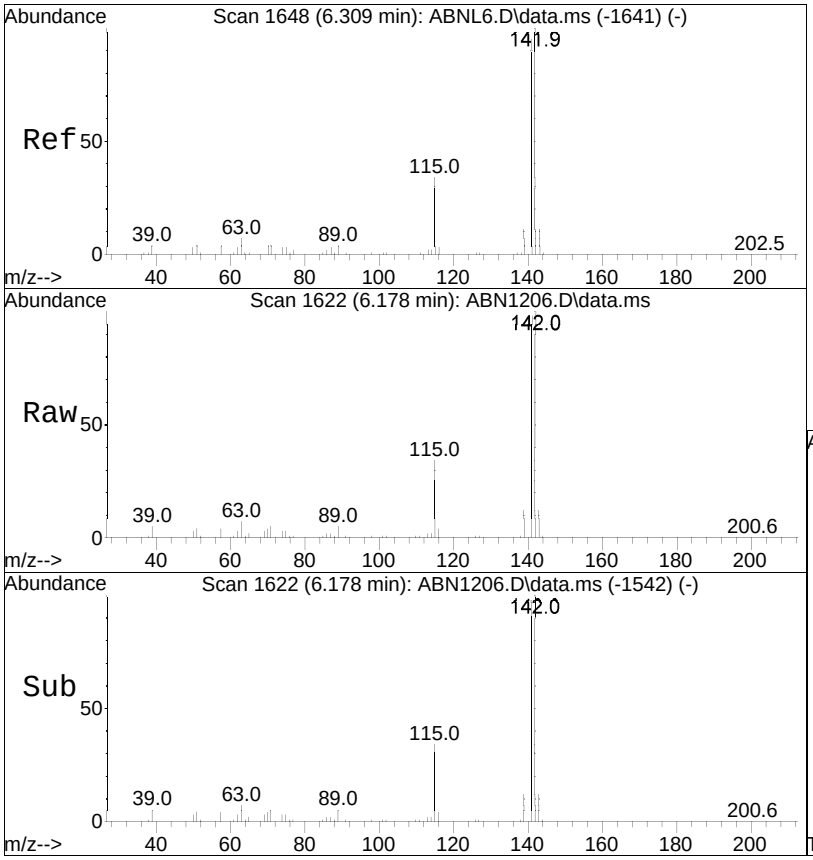


#43
2-Methylnaphthalene
Concen: 4.64 ug/ml
RT: 6.088 min Scan# 1593
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:142 Resp: 76582

Ion	Ratio	Lower	Upper
142	100		
141	92.9	69.6	104.4
115	32.1	26.6	40.0

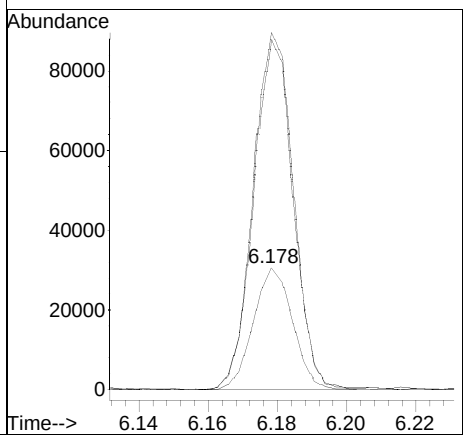


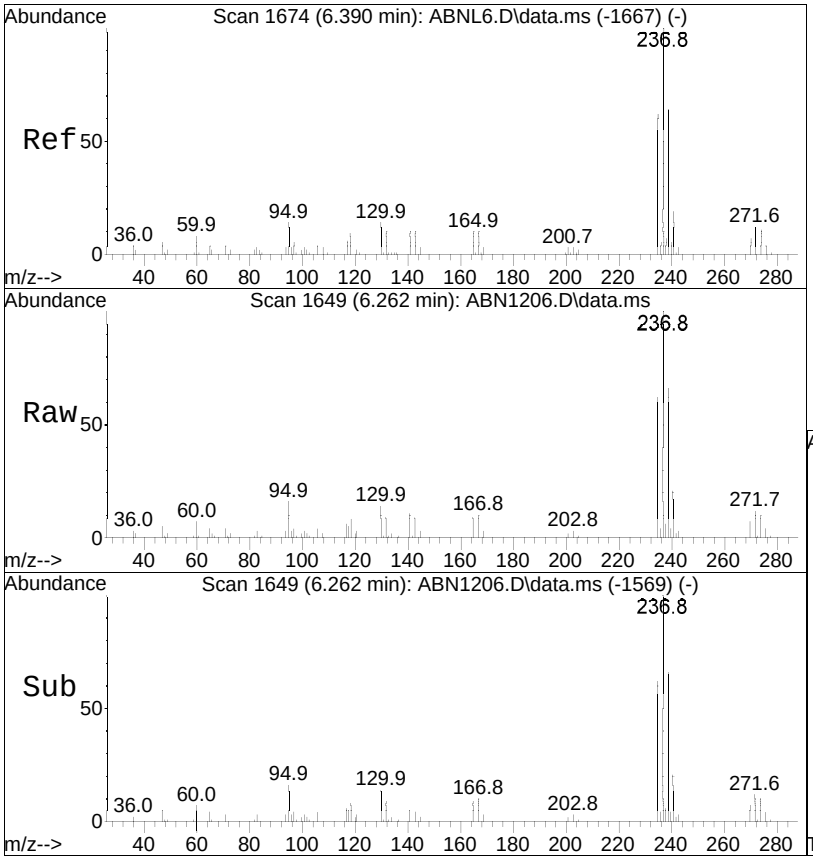


#44
1-Methylnaphthalene
Concen: 4.62 ug/ml
RT: 6.178 min Scan# 1622
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:115 Resp: 24260

Ion	Ratio	Lower	Upper
115	100		
141	283.8	207.8	311.6
142	299.7	226.8	340.2

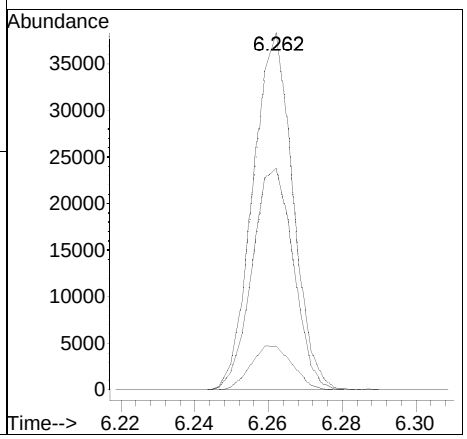


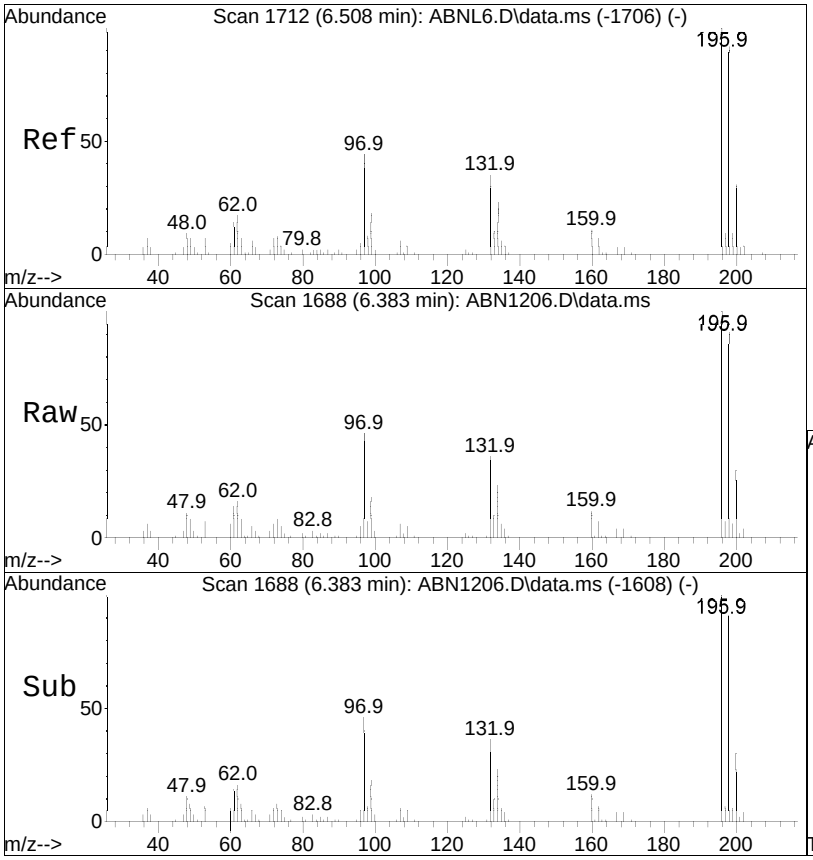


#45
Hexachlorocyclopentadiene
Concen: 4.88 ug/ml
RT: 6.262 min Scan# 1649
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:237 Resp: 28806

Ion	Ratio	Lower	Upper
237	100		
235	64.3	49.7	74.5
272	13.0	9.8	14.6

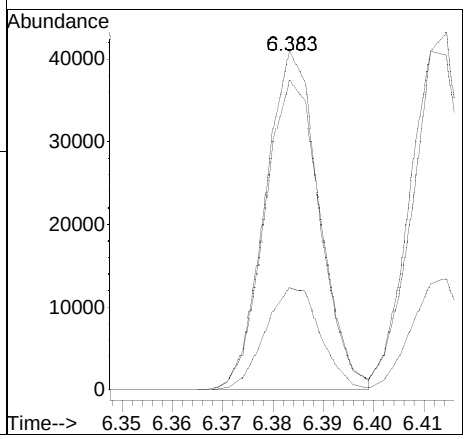


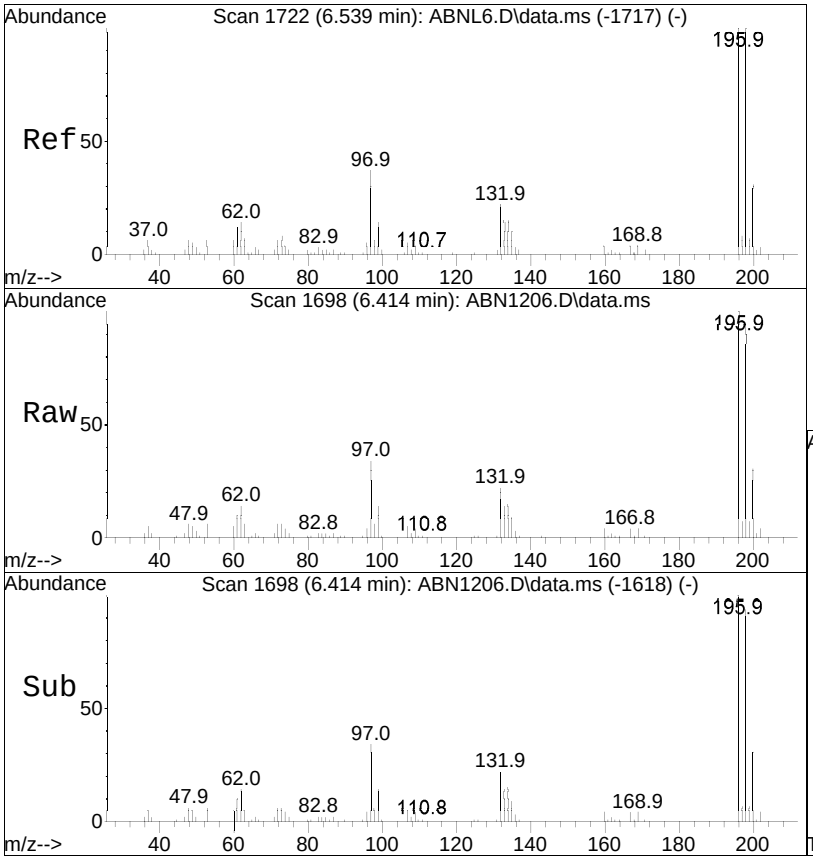


#46
2,4,6-Trichlorophenol
Concen: 4.89 ug/ml
RT: 6.383 min Scan# 1688
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:196 Resp: 30361

Ion	Ratio	Lower	Upper
196	100		
198	95.4	77.5	116.3
200	31.2	23.8	35.6

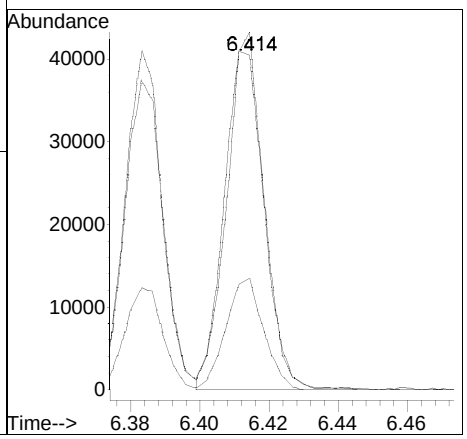


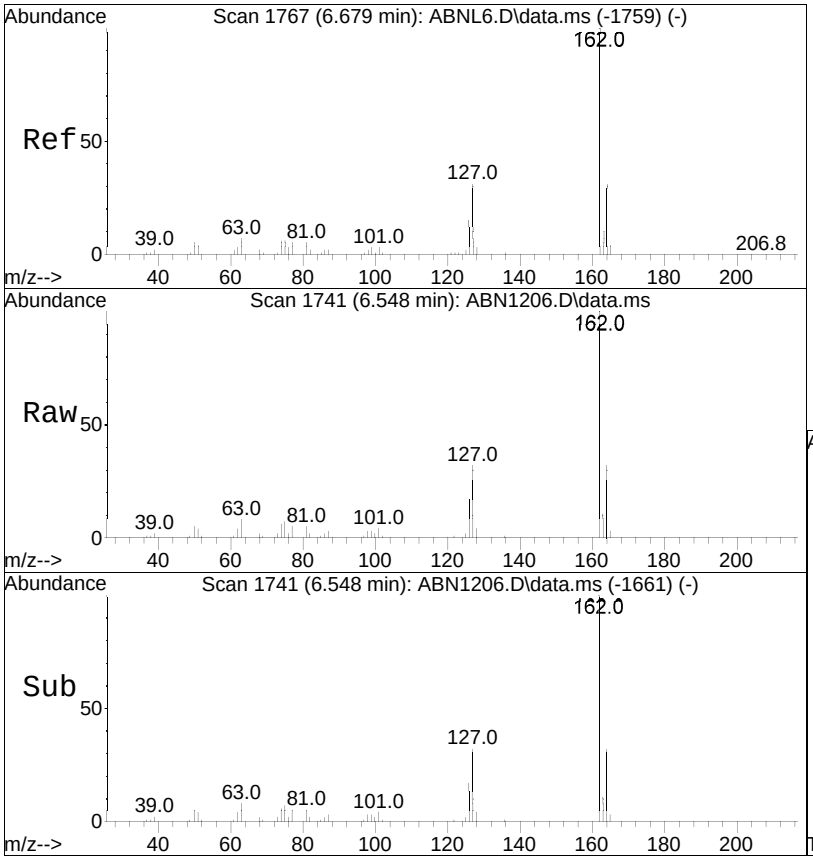


#47
2,4,5-Trichlorophenol
Concen: 4.84 ug/ml
RT: 6.414 min Scan# 1698
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:196 Resp: 33588

Ion	Ratio	Lower	Upper
196	100		
200	30.4	25.4	38.0
198	92.5	78.0	117.0

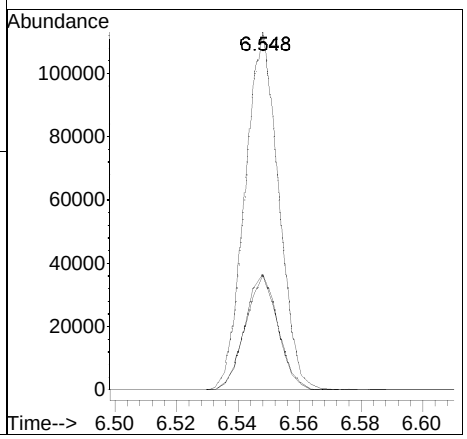


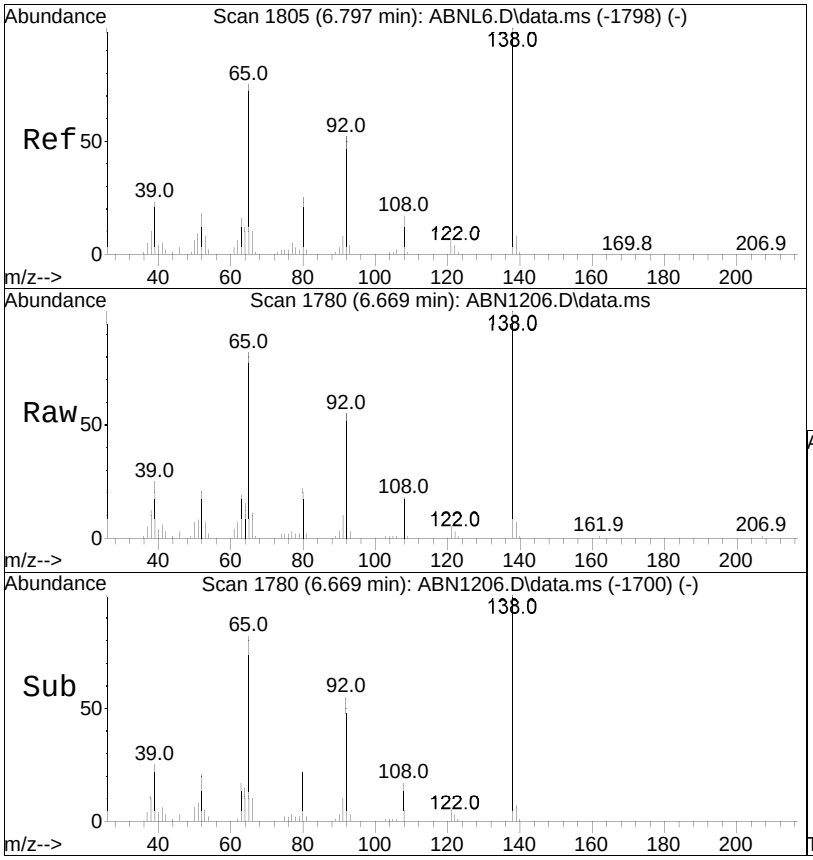


#49
2-Chloronaphthalene
Concen: 4.61 ug/ml
RT: 6.548 min Scan# 1741
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:162 Resp: 85210

Ion	Ratio	Lower	Upper
162	100		
127	32.0	32.2	48.4#
164	31.5	25.7	38.5

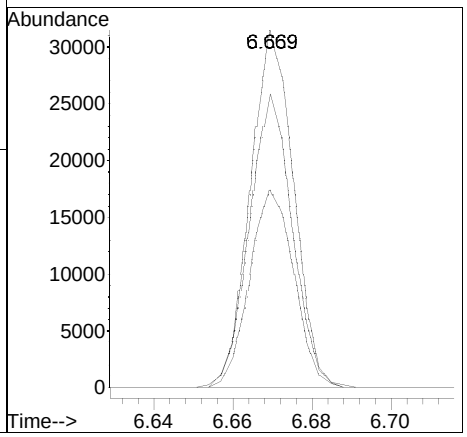


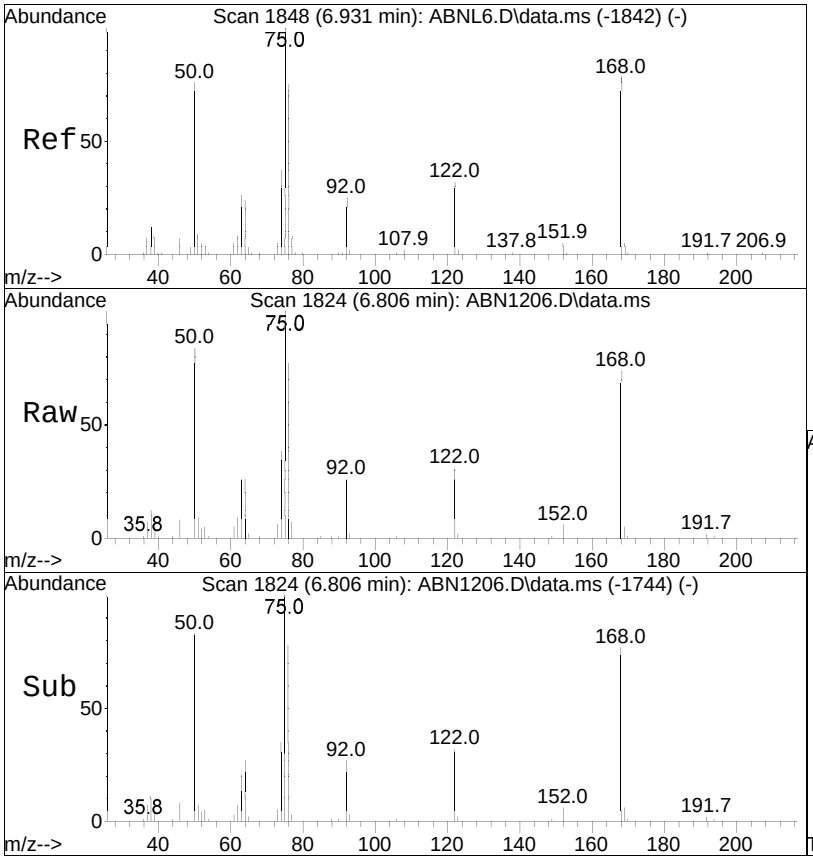


#50
2-Nitroaniline
Concen: 5.04 ug/ml
RT: 6.669 min Scan# 1780
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:138 Resp: 23810

Ion	Ratio	Lower	Upper
138	100		
92	56.8	53.5	80.3
65	81.4	86.3	129.5#

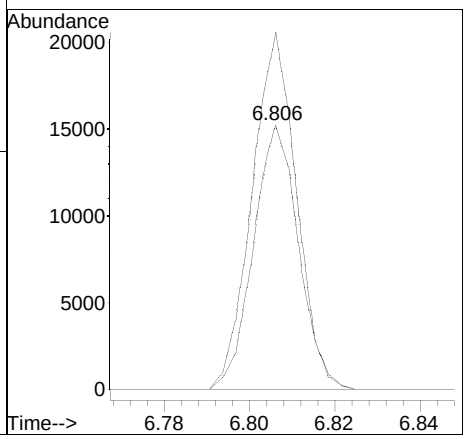


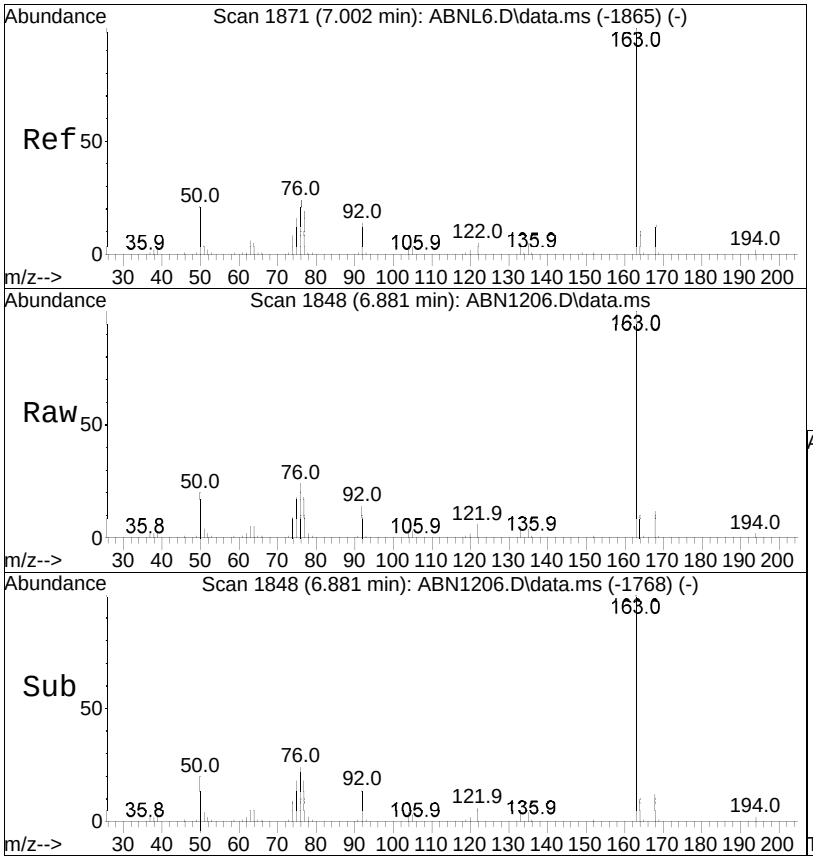


#51
1,4-Dinitrobenzene
Concen: 5.45 ug/ml
RT: 6.806 min Scan# 1824
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:168 Resp: 11185

Ion	Ratio	Lower	Upper
168	100		
75	133.2	121.8	182.8

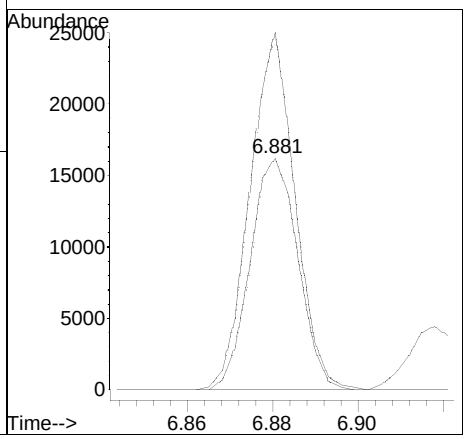


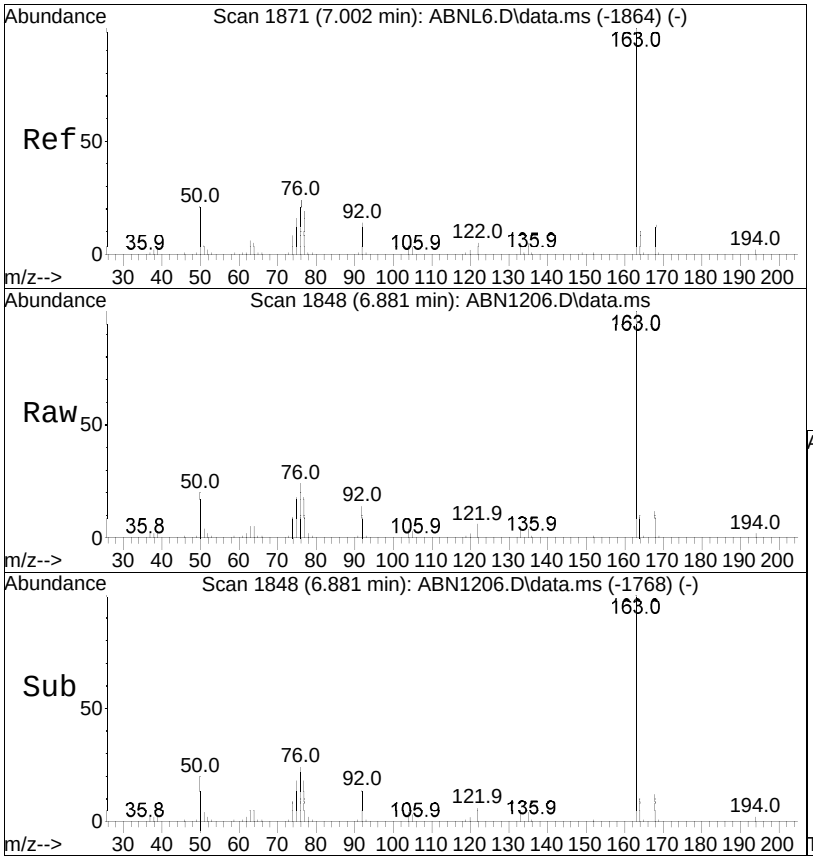


#52
1,3-Dinitrobenzene
Concen: 5.10 ug/ml
RT: 6.881 min Scan# 1848
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:168 Resp: 12551

Ion	Ratio	Lower	Upper
168	100		
75	145.0	22.7	34.1#

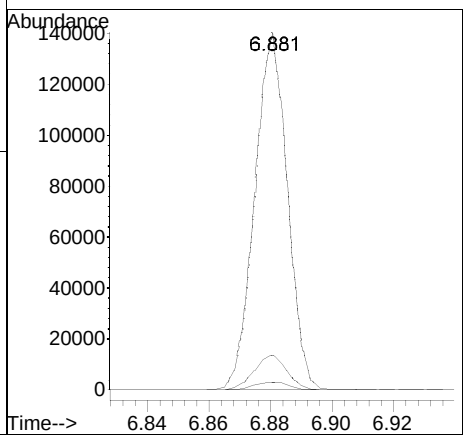


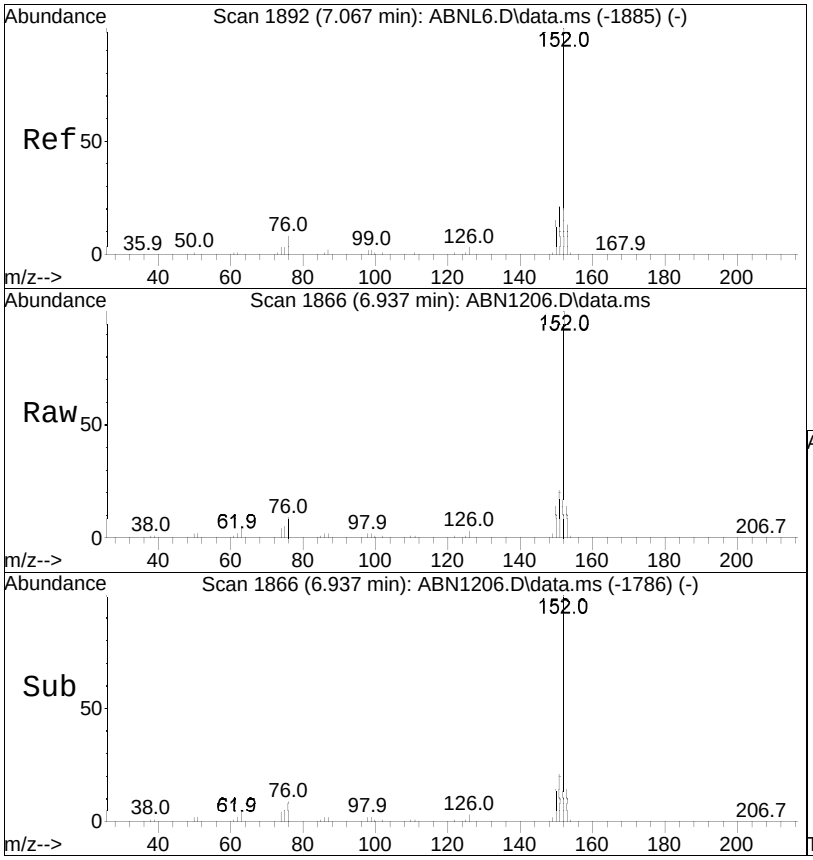


#53
Dimethyl phthalate
Concen: 4.76 ug/ml
RT: 6.881 min Scan# 1848
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:163 Resp: 102210

Ion	Ratio	Lower	Upper
163	100		
194	2.3	3.5	5.3#
164	9.8	7.9	11.9

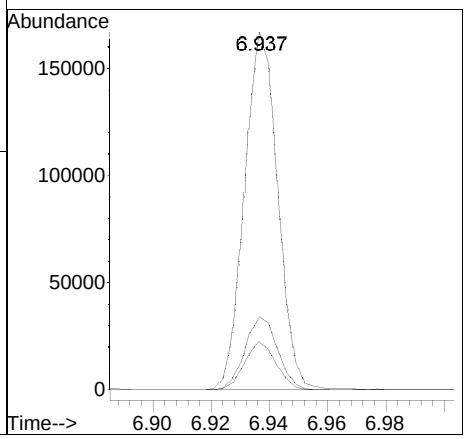


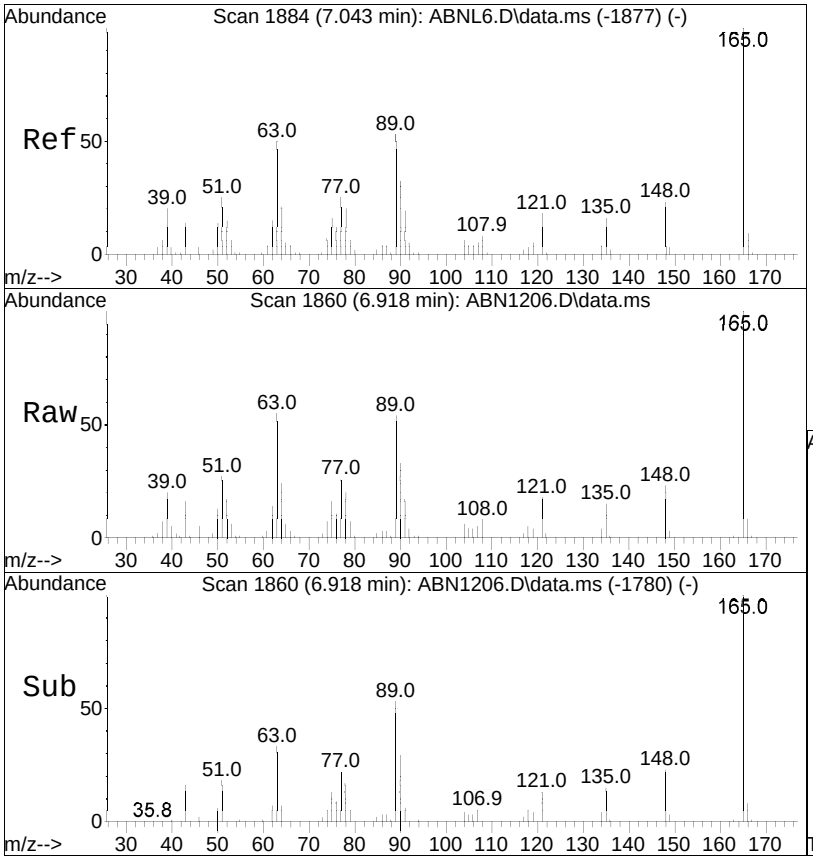


#54
Acenaphthylene
Concen: 4.86 ug/ml
RT: 6.937 min Scan# 1866
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:152 Resp: 131717

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	12.9	10.5	15.7

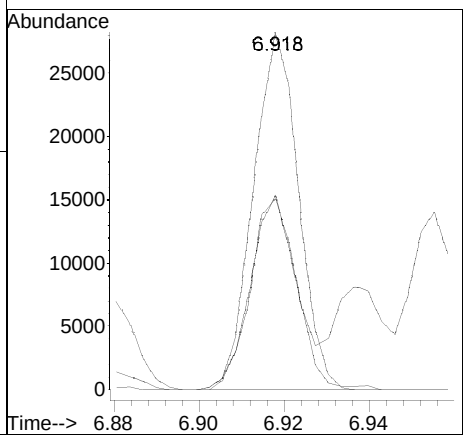


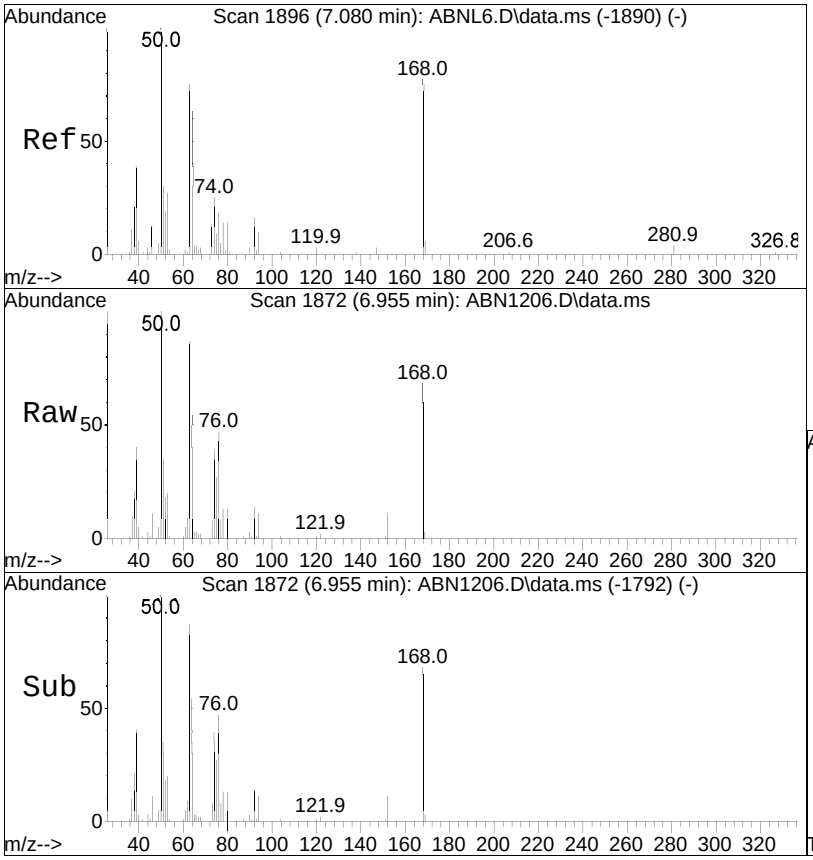


#55
2,6-Dinitrotoluene
Concen: 5.17 ug/ml
RT: 6.918 min Scan# 1860
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:165 Resp: 20726

Ion	Ratio	Lower	Upper
165	100		
89	55.4	54.2	81.2
63	55.5	64.2	96.2#

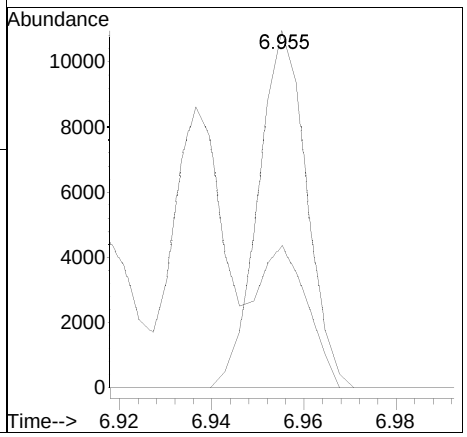


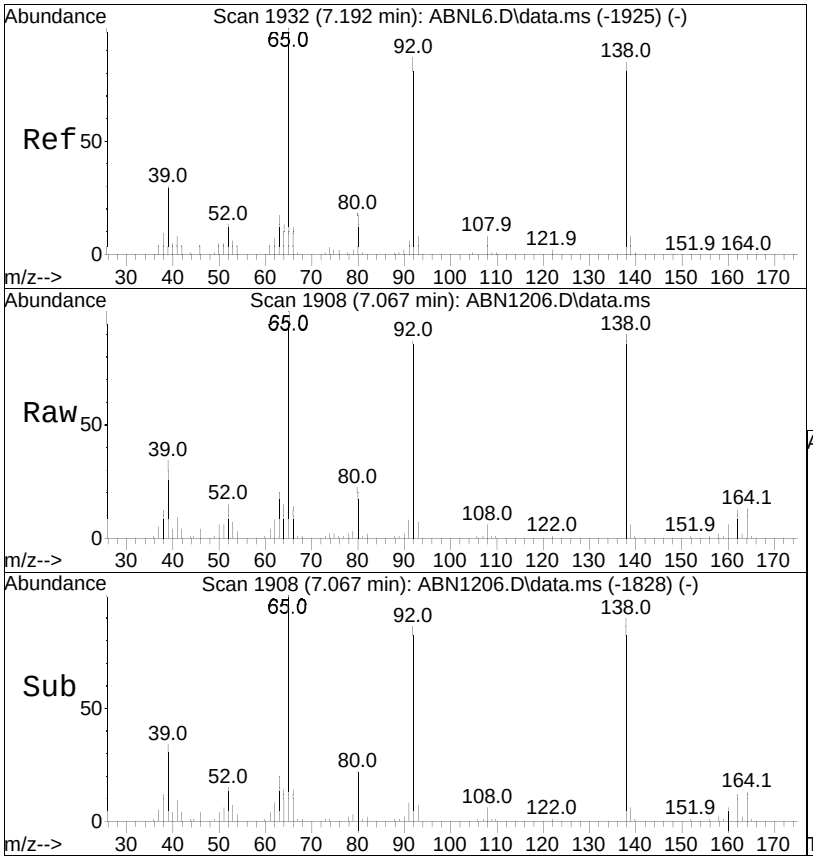


#56
1,2-Dinitrobenzene
Concen: 5.56 ug/ml
RT: 6.955 min Scan# 1872
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:168 Resp: 7985

Ion	Ratio	Lower	Upper
168	100		
75	35.0	30.9	46.3

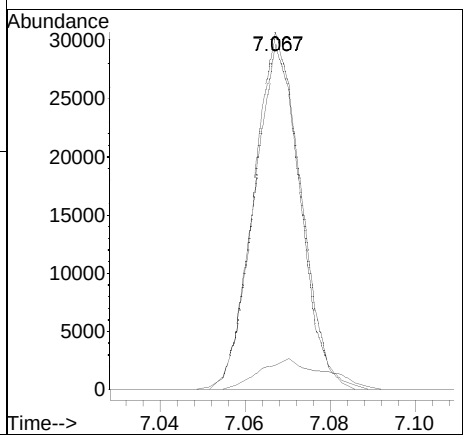


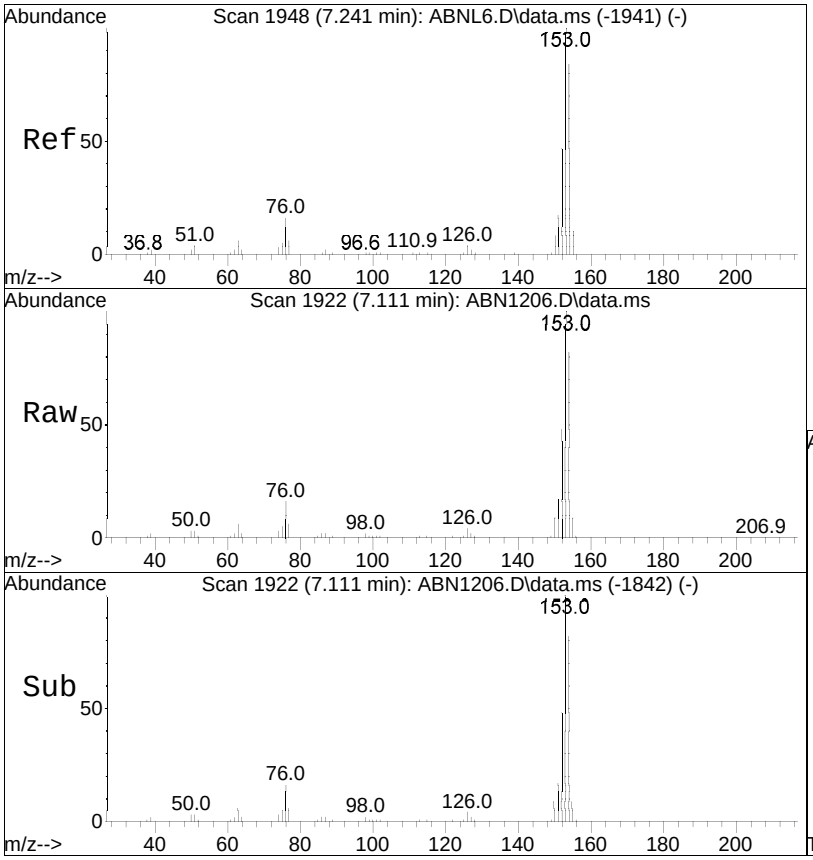


#66
3-Nitroaniline
Concen: 5.20 ug/ml
RT: 7.067 min Scan# 1908
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:138 Resp: 23100

Ion	Ratio	Lower	Upper
138	100		
92	96.6	93.4	140.2
108	12.2	9.5	14.3

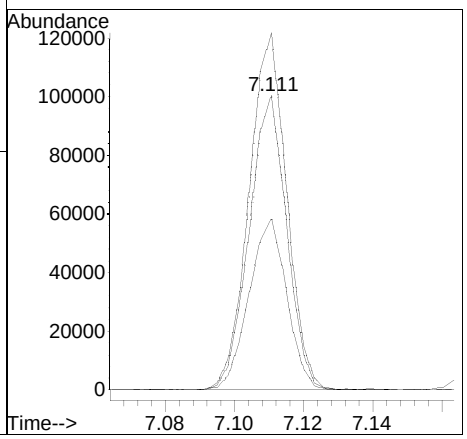


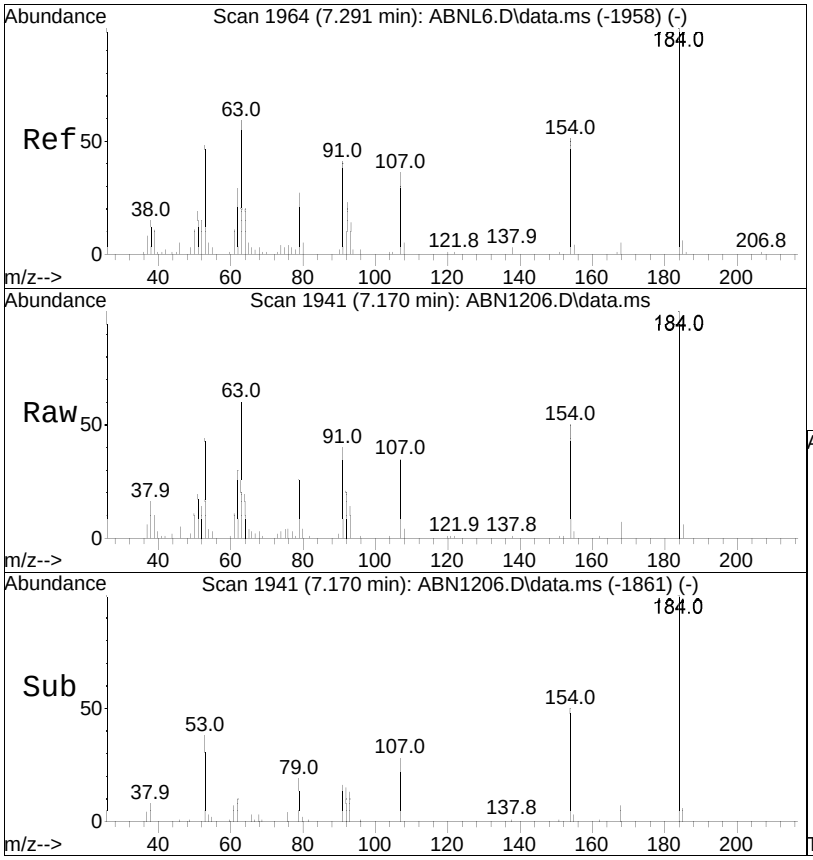


#67
Acenaphthene
Concen: 4.52 ug/ml
RT: 7.111 min Scan# 1922
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:154 Resp: 75611

Ion	Ratio	Lower	Upper
154	100		
153	121.7	85.3	127.9
152	58.9	41.4	62.0

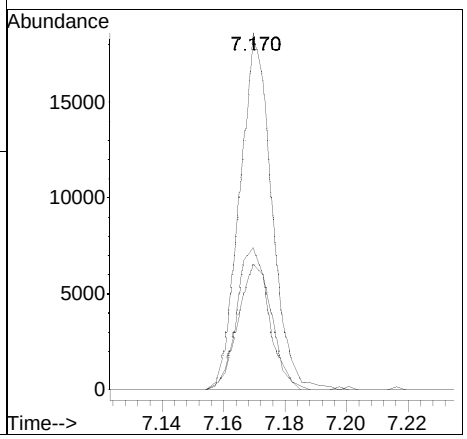


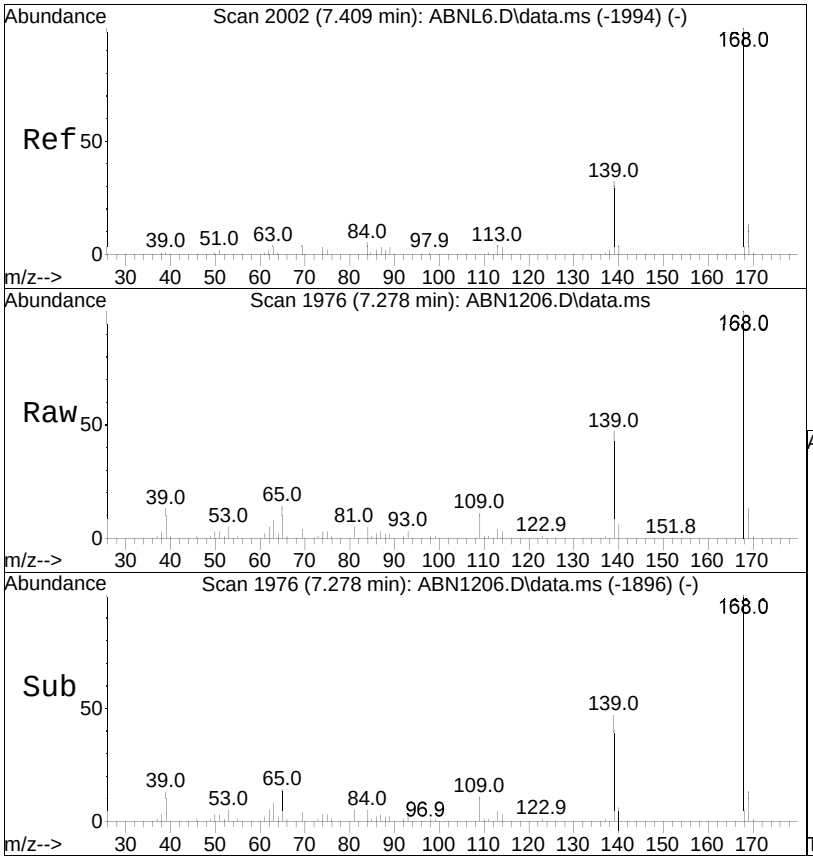


#68
2,4-Dinitrophenol
Concen: 4.95 ug/ml
RT: 7.170 min Scan# 1941
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:184 Resp: 13406

Ion	Ratio	Lower	Upper
184	100		
107	35.7	37.7	56.5#
91	41.3	46.3	69.5#

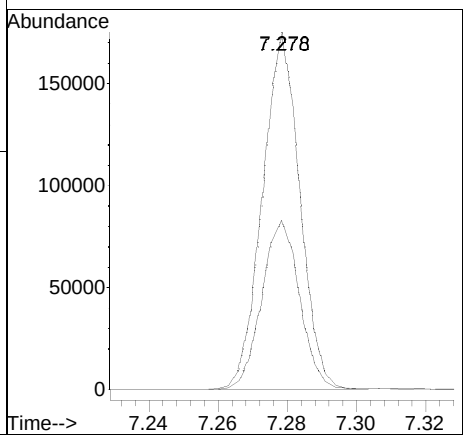


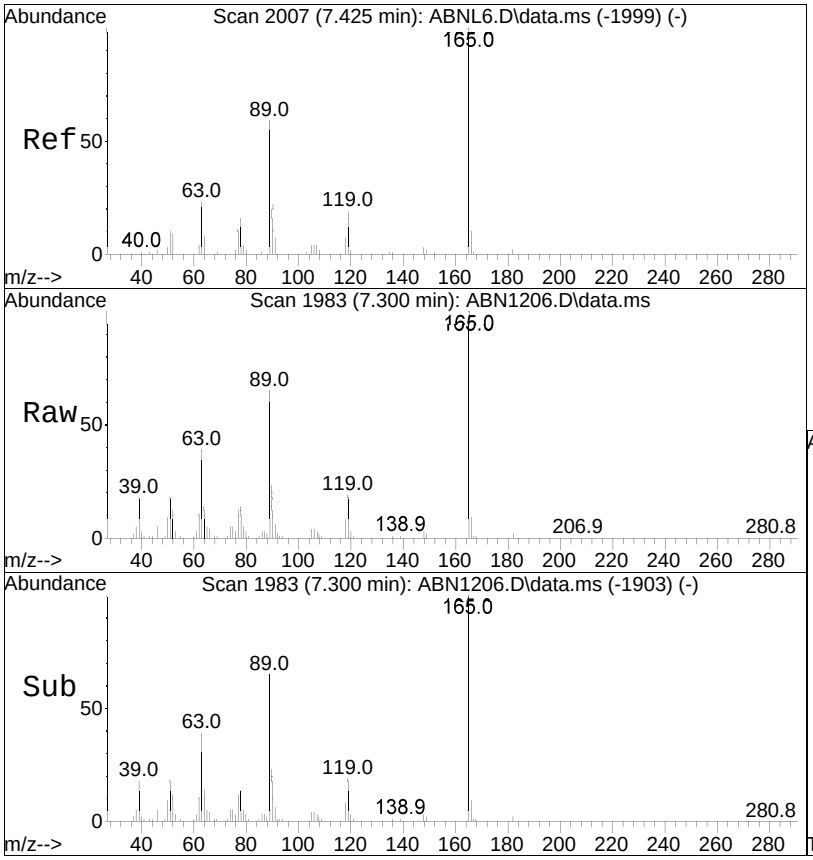


#69
Dibenzofuran
Concen: 4.50 ug/ml
RT: 7.278 min Scan# 1976
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:168 Resp: 129913

Ion	Ratio	Lower	Upper
168	100		
139	48.3	31.4	47.2#

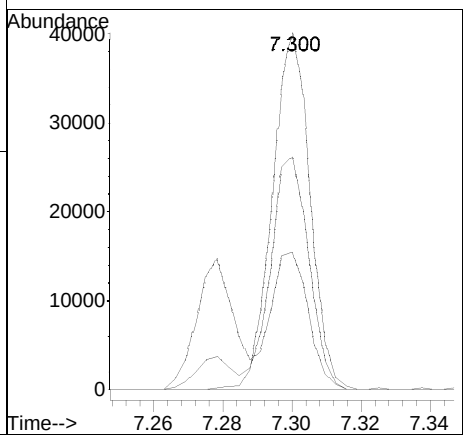


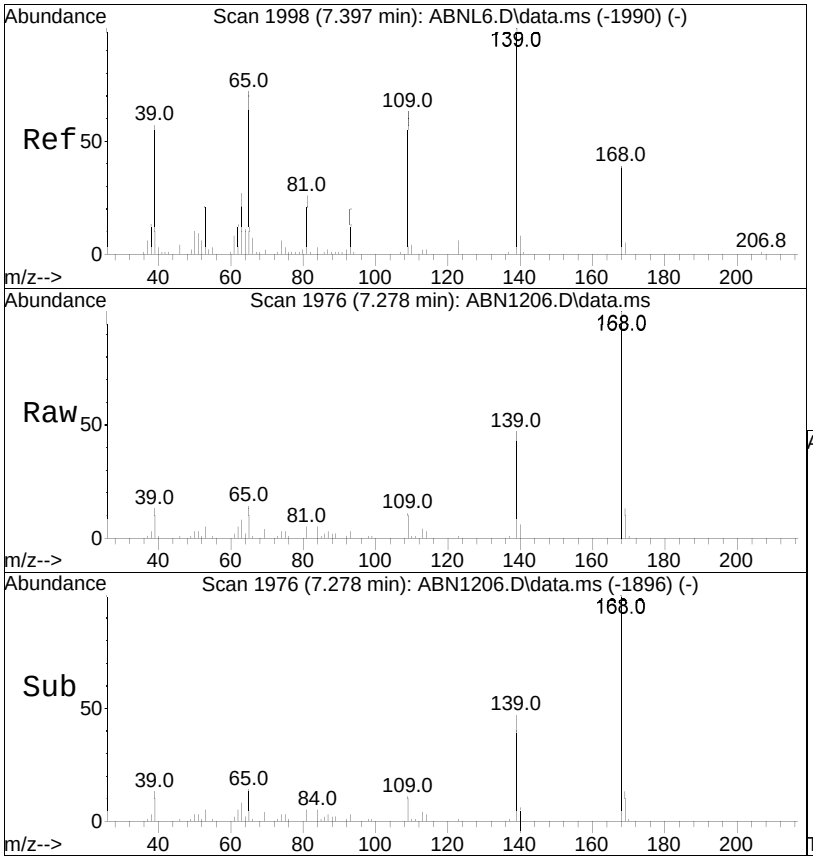


#70
2,4-Dinitrotoluene
Concen: 5.41 ug/ml
RT: 7.300 min Scan# 1983
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:165 Resp: 30137

Ion	Ratio	Lower	Upper
165	100		
89	66.5	72.0	108.0#
63	39.1	52.7	79.1#

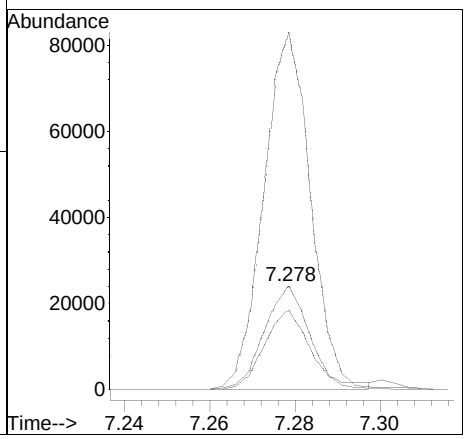


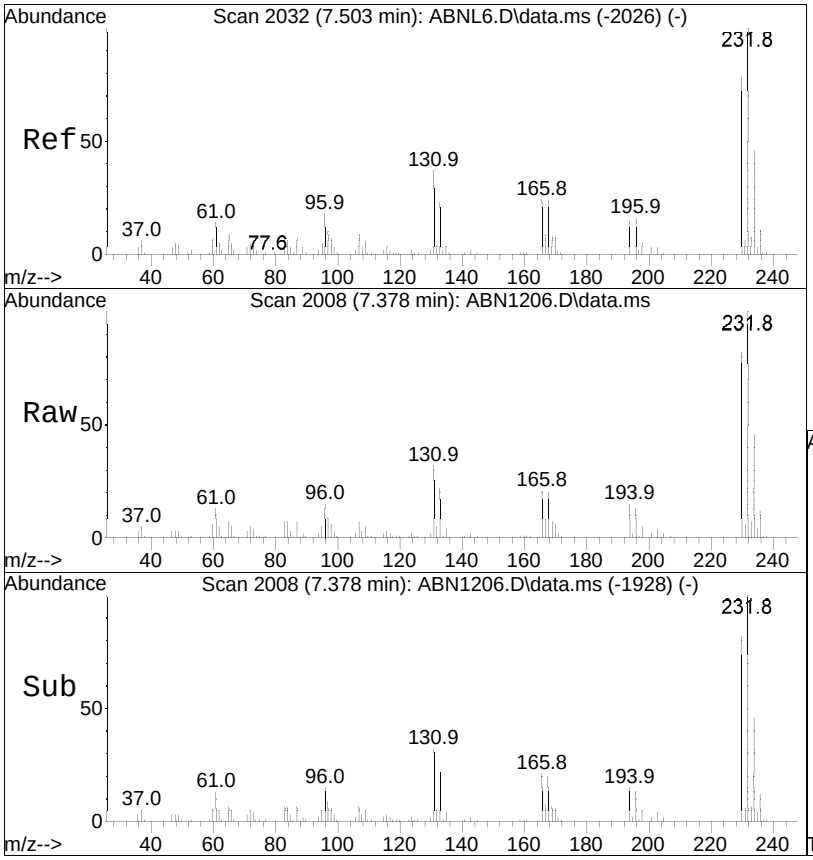


#71
4-Nitrophenol
Concen: 5.47 ug/ml
RT: 7.278 min Scan# 1976
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion: 65 Resp: 18122

Ion	Ratio	Lower	Upper
65	100		
109	74.9	47.4	71.2#
139	346.0	76.6	115.0#

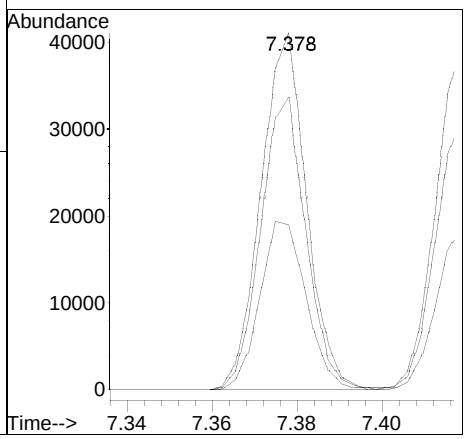


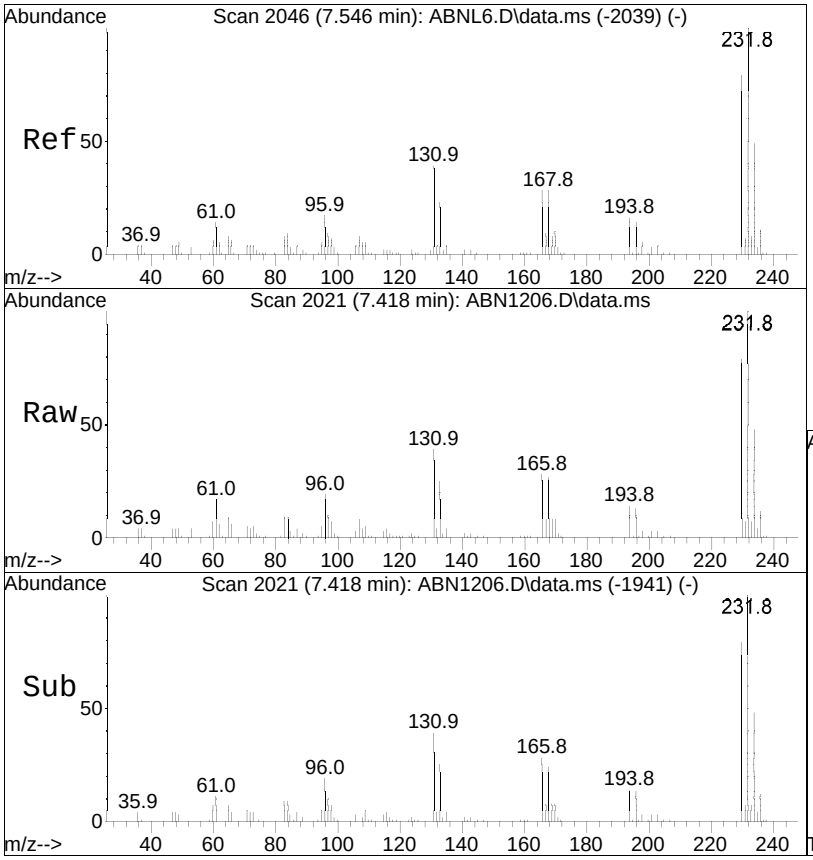


#72
2,3,5,6-Tetrachlorophenol
Concen: 4.87 ug/ml
RT: 7.378 min Scan# 2008
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:232 Resp: 30566

Ion	Ratio	Lower	Upper
232	100		
230	81.5	64.2	96.4
234	48.3	38.1	57.1

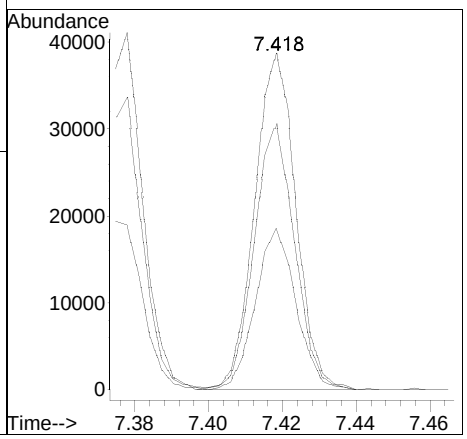


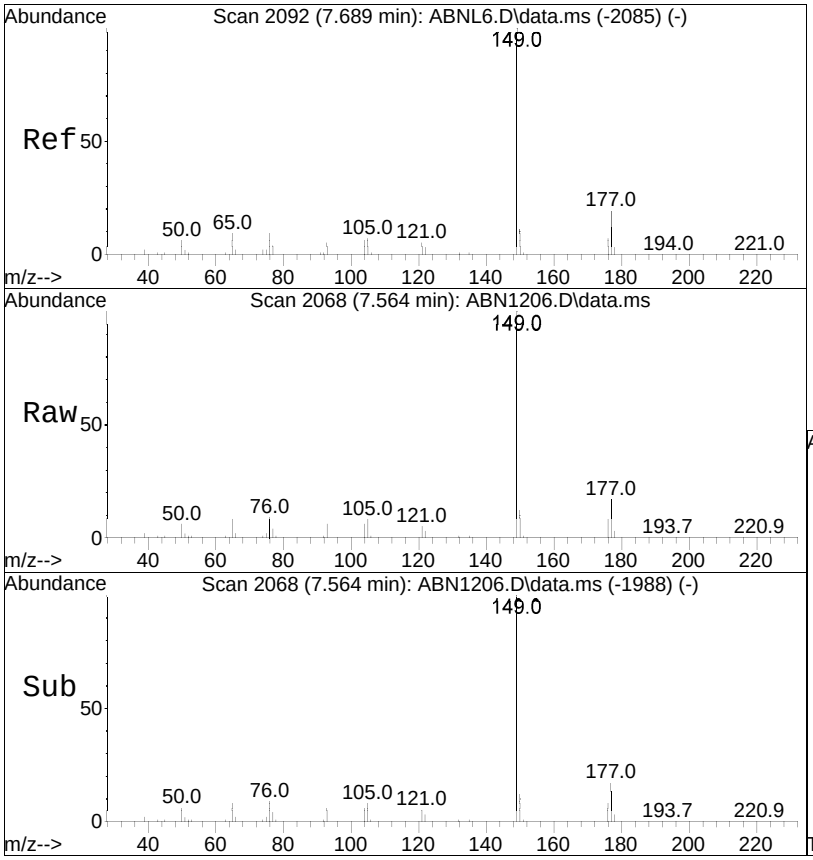


#73
2,3,4,6-Tetrachlorophenol
Concen: 4.88 ug/ml
RT: 7.418 min Scan# 2021
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:232 Resp: 30018

Ion	Ratio	Lower	Upper
232	100		
230	77.6	61.8	92.8
234	47.4	36.2	54.2

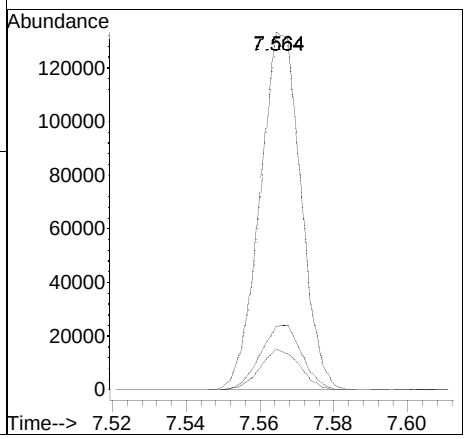


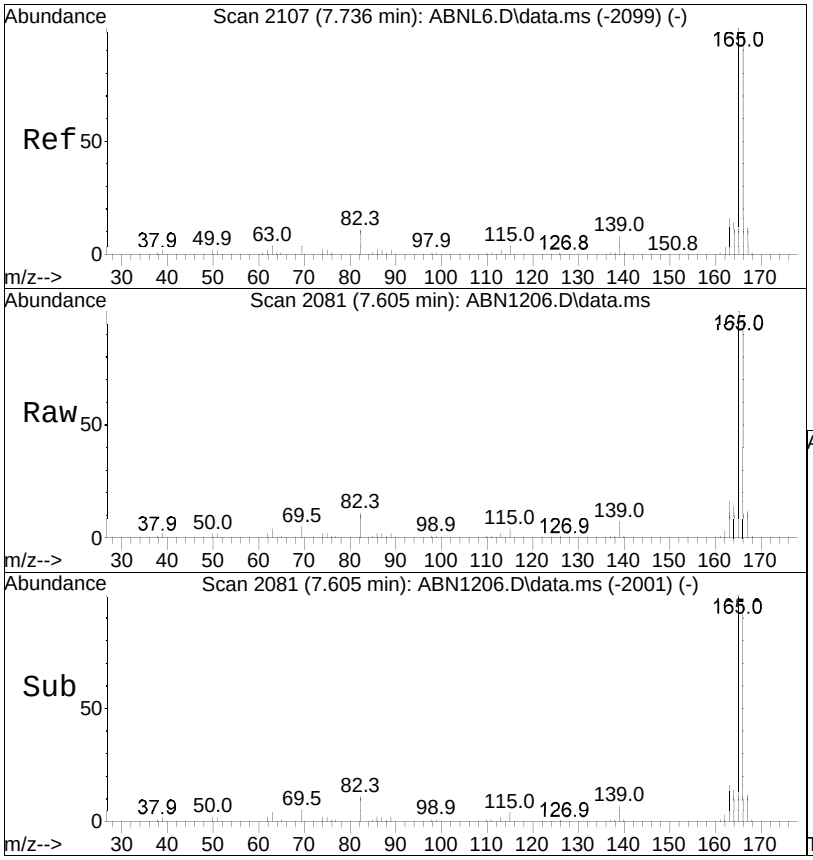


#74
Diethyl phthalate
Concen: 4.47 ug/ml
RT: 7.564 min Scan# 2068
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:149 Resp: 101315

Ion	Ratio	Lower	Upper
149	100		
177	18.4	16.1	24.1
150	11.3	9.4	14.2

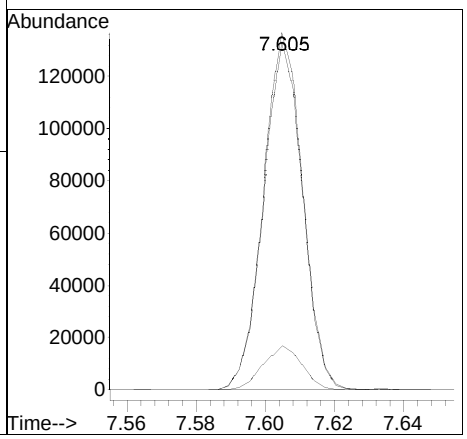


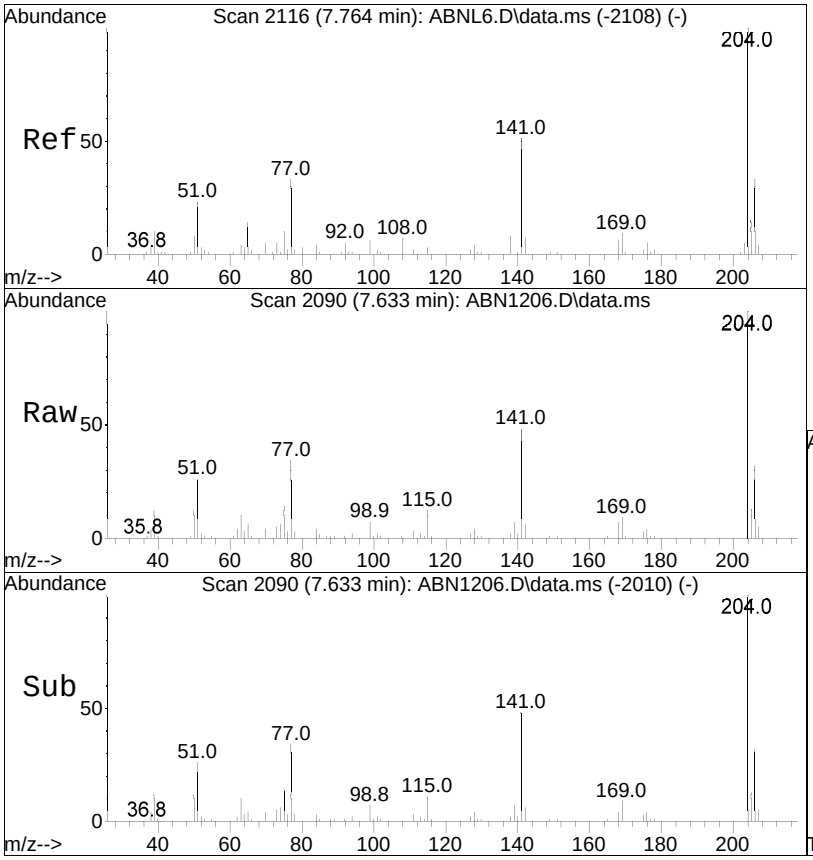


#75
Fluorene
Concen: 4.68 ug/ml
RT: 7.605 min Scan# 2081
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:166 Resp: 103483

Ion	Ratio	Lower	Upper
166	100		
165	104.3	76.2	114.2
167	12.8	10.6	15.8

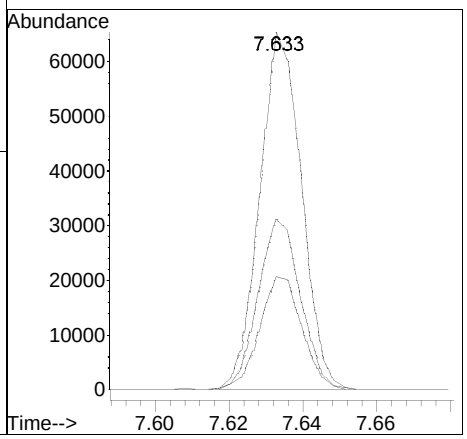


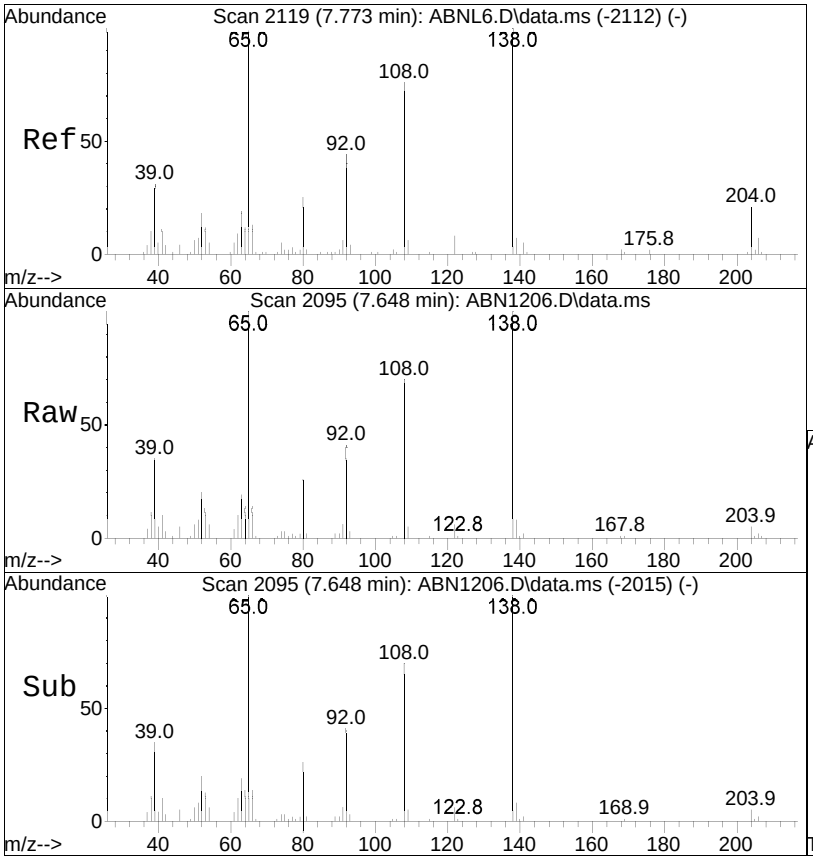


#76
4-Chlorophenyl phenyl ether
Concen: 4.47 ug/ml
RT: 7.633 min Scan# 2090
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:204 Resp: 50894

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.8	38.6
141	48.6	53.6	80.4#

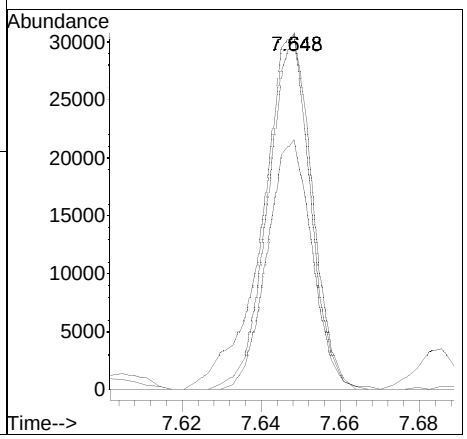


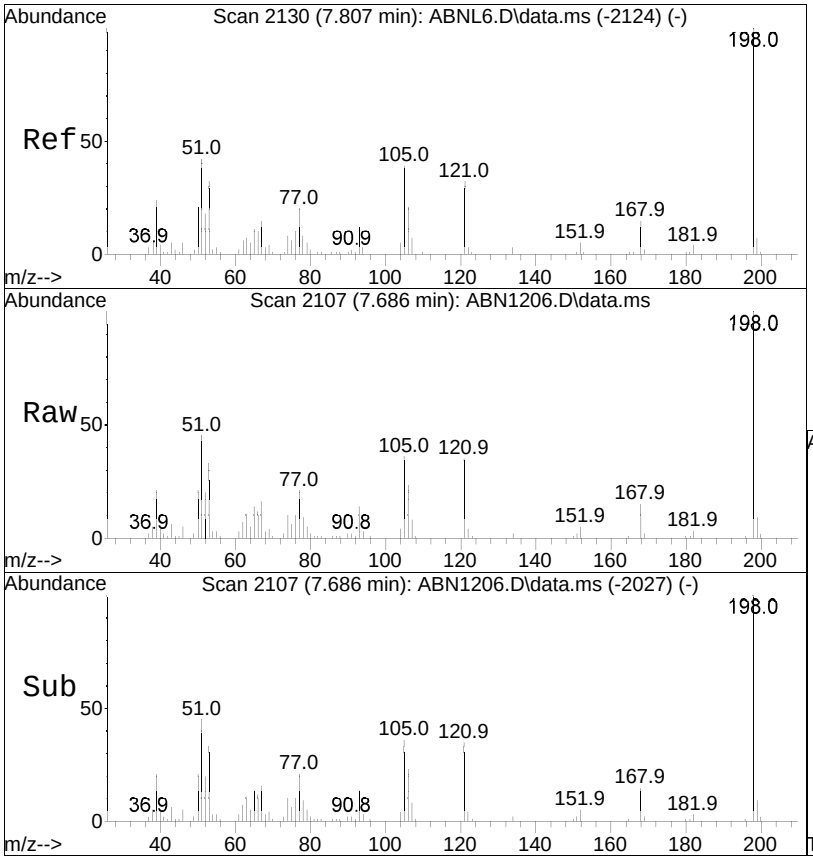


#77
4-Nitroaniline
Concen: 5.49 ug/ml
RT: 7.648 min Scan# 2095
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:138 Resp: 23579

Ion	Ratio	Lower	Upper
138	100		
108	71.5	52.1	78.1
65	109.9	115.0	172.6#

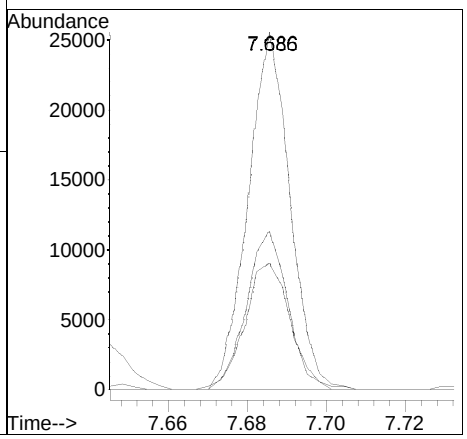


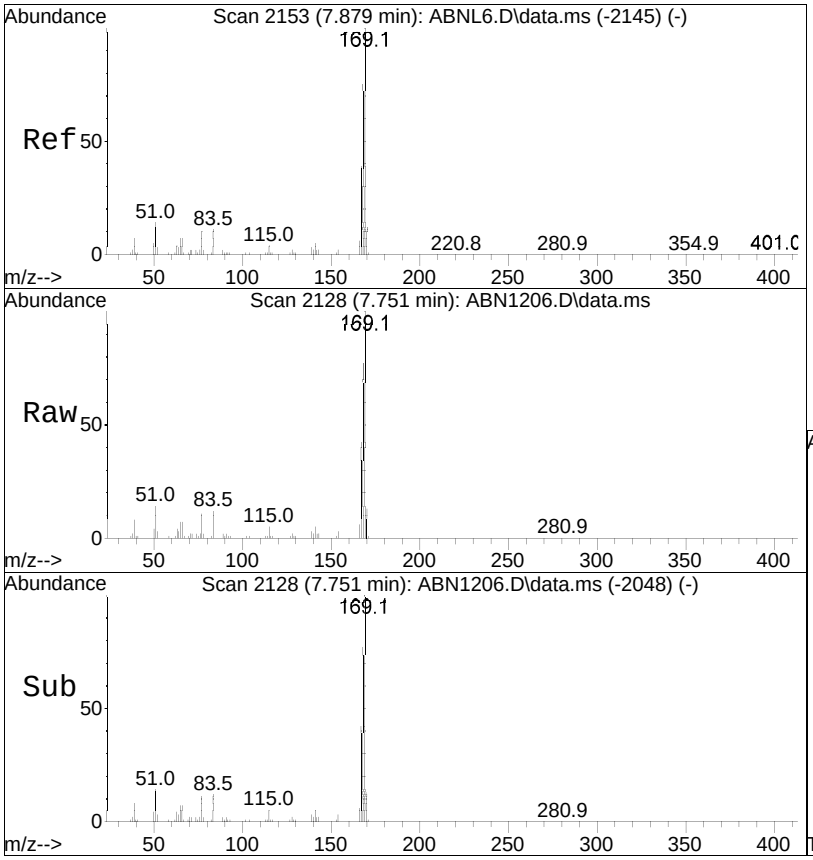


#78
4,6-Dinitro-o-cresol
Concen: 5.55 ug/ml
RT: 7.686 min Scan# 2107
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:198 Resp: 18696

Ion	Ratio	Lower	Upper
198	100		
51	44.2	76.0	114.0#
105	38.5	45.6	68.4#

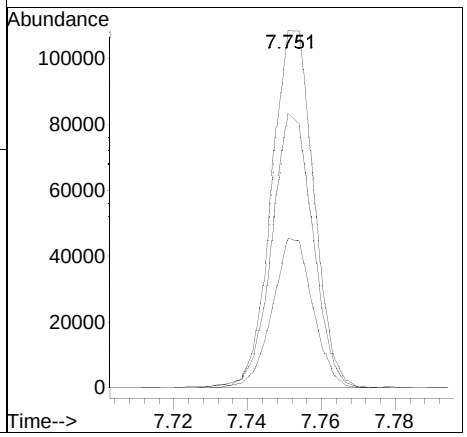


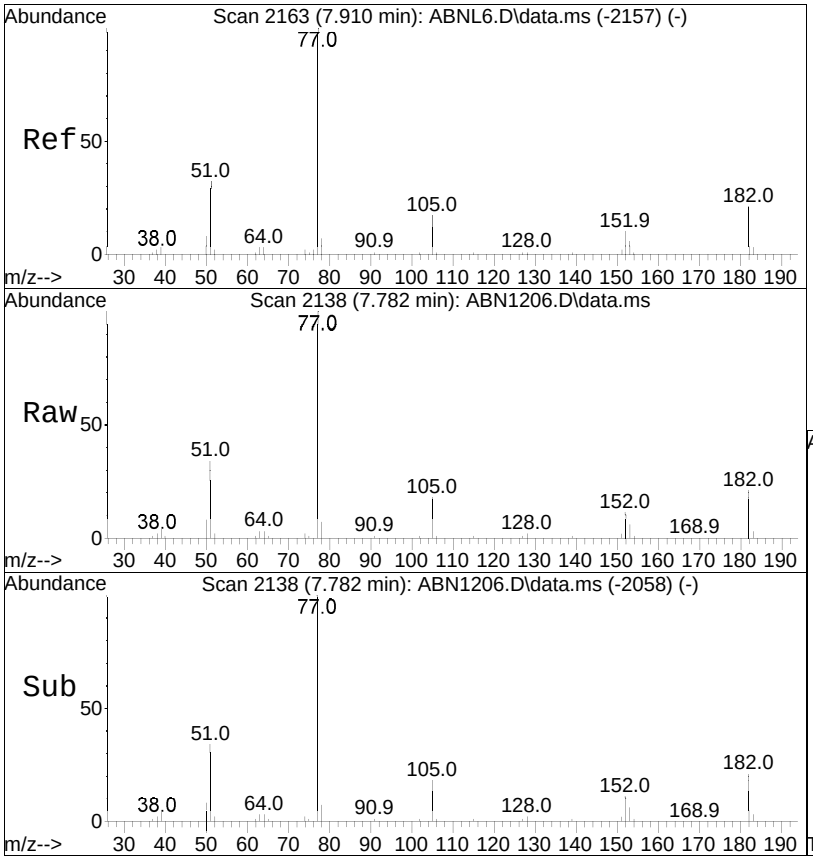


#79
NDPA/DPA
Concen: 4.46 ug/ml
RT: 7.751 min Scan# 2128
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:169 Resp: 85725

Ion	Ratio	Lower	Upper
169	100		
168	75.6	54.0	81.0
167	40.8	28.6	42.8

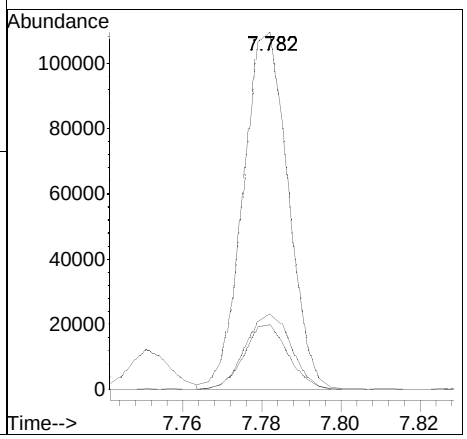


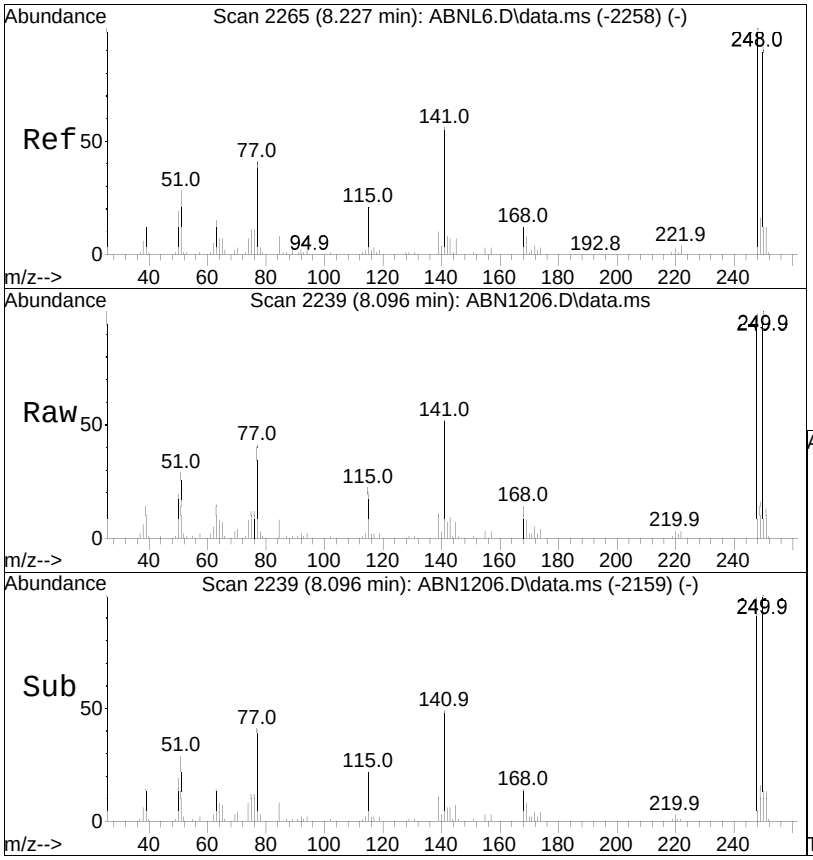


#80
Azobenzene
Concen: 4.67 ug/ml
RT: 7.782 min Scan# 2138
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion: 77 Resp: 86136

Ion	Ratio	Lower	Upper
77	100		
182	21.6	17.4	26.2
105	17.9	15.4	23.2

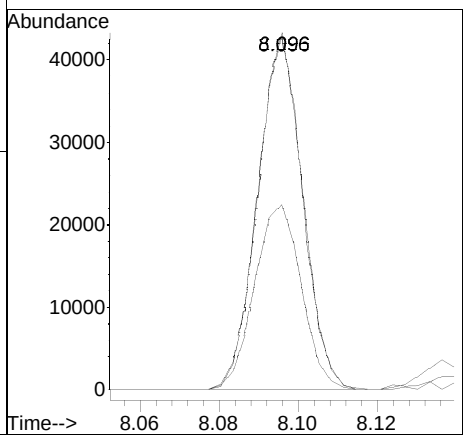


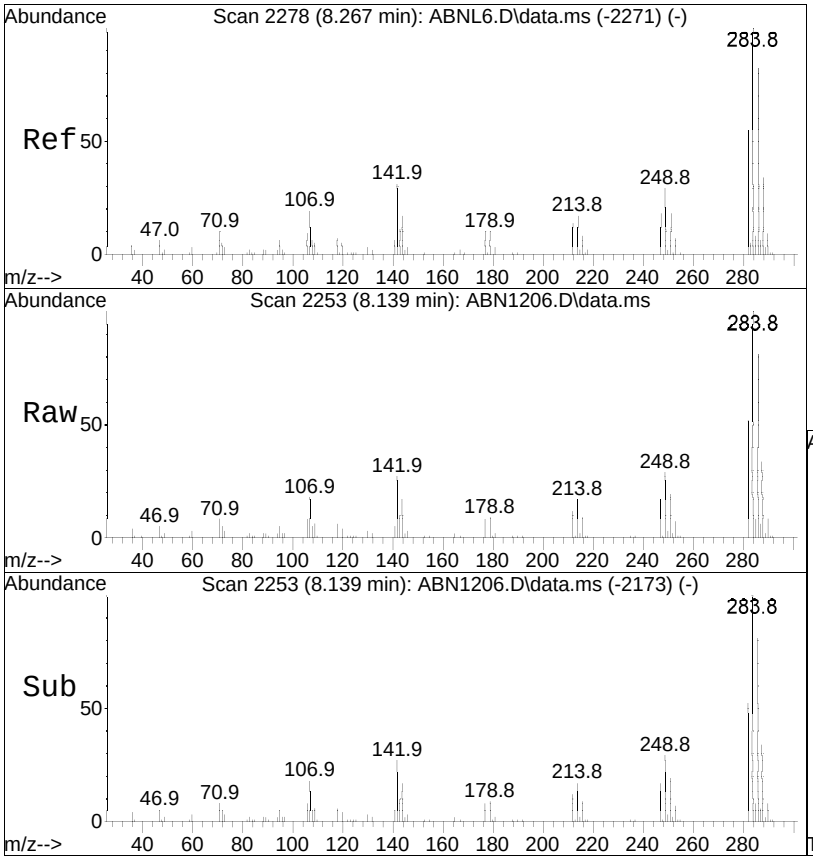


#82
4-Bromophenyl phenyl ether
Concen: 4.46 ug/ml
RT: 8.096 min Scan# 2239
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:248 Resp: 33446

Ion	Ratio	Lower	Upper
248	100		
141	54.7	76.6	114.8#
250	100.2	77.3	115.9

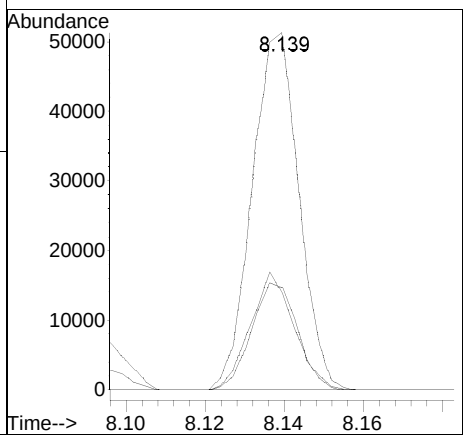


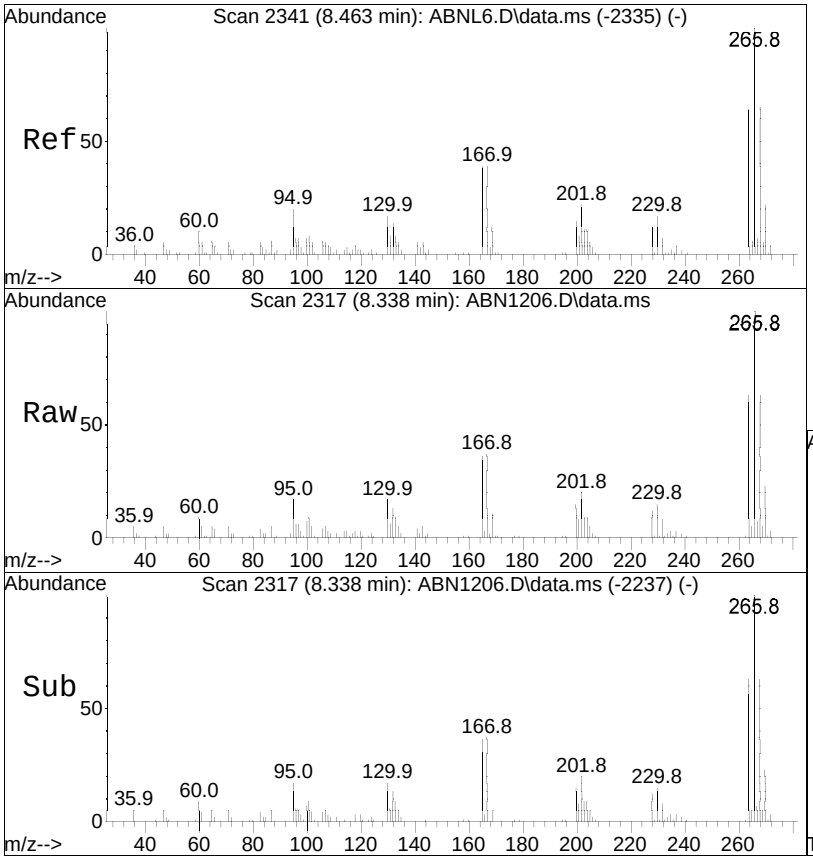


#83
Hexachlorobenzene
Concen: 4.45 ug/ml
RT: 8.139 min Scan# 2253
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:284 Resp: 42015

Ion	Ratio	Lower	Upper
284	100		
142	30.6	41.9	62.9#
249	29.8	24.1	36.1

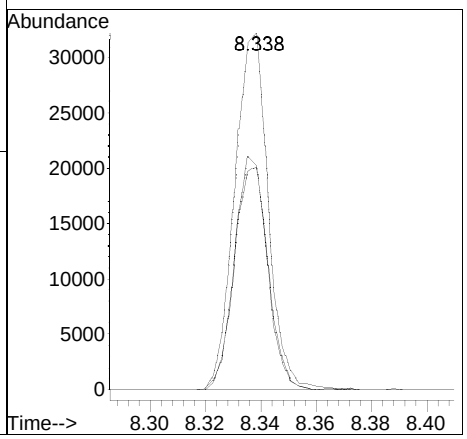


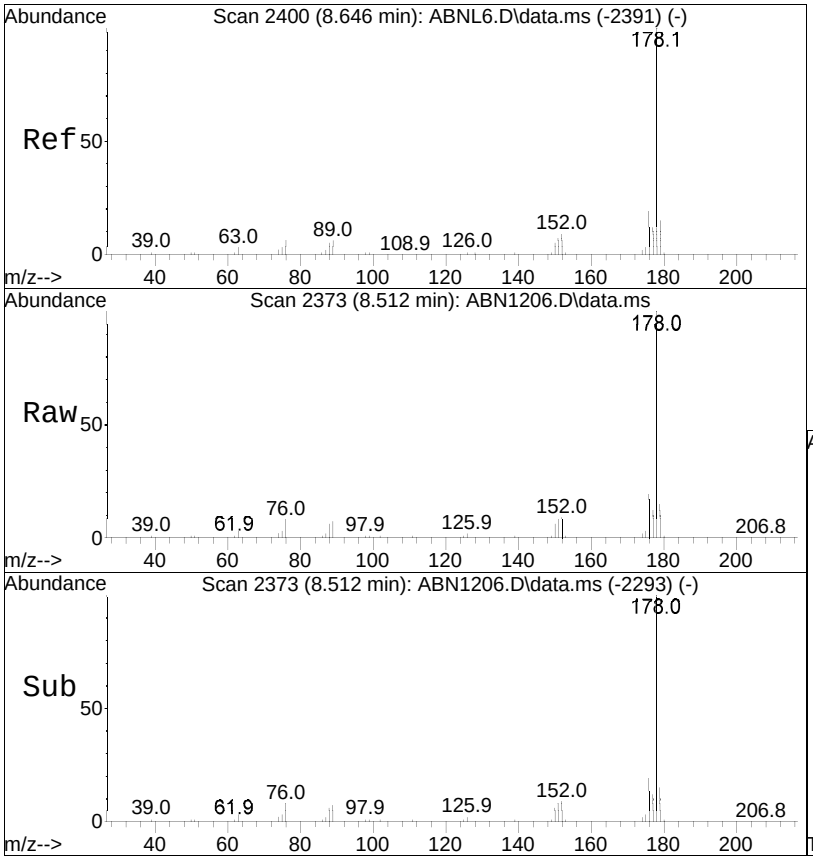


#84
Pentachlorophenol
Concen: 5.29 ug/ml
RT: 8.338 min Scan# 2317
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:266 Resp: 27094

Ion	Ratio	Lower	Upper
266	100		
264	64.1	49.7	74.5
268	63.3	50.5	75.7

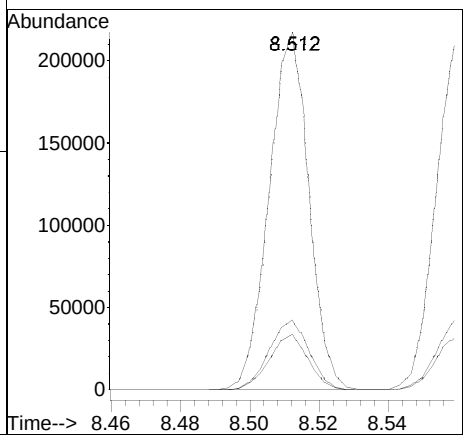


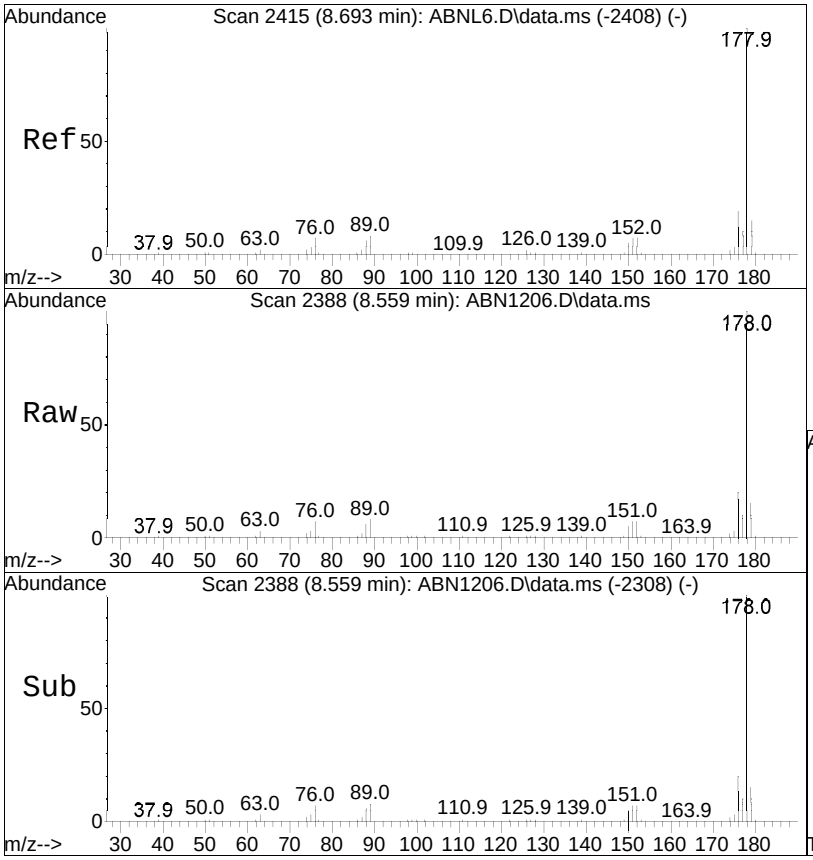


#91
Phenanthrene
Concen: 4.62 ug/ml
RT: 8.512 min Scan# 2373
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:178 Resp: 172892

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	19.6	15.4	23.2

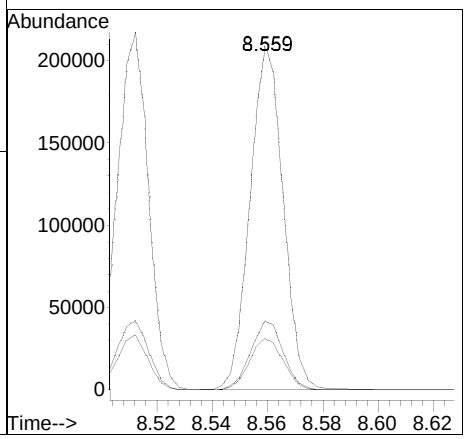


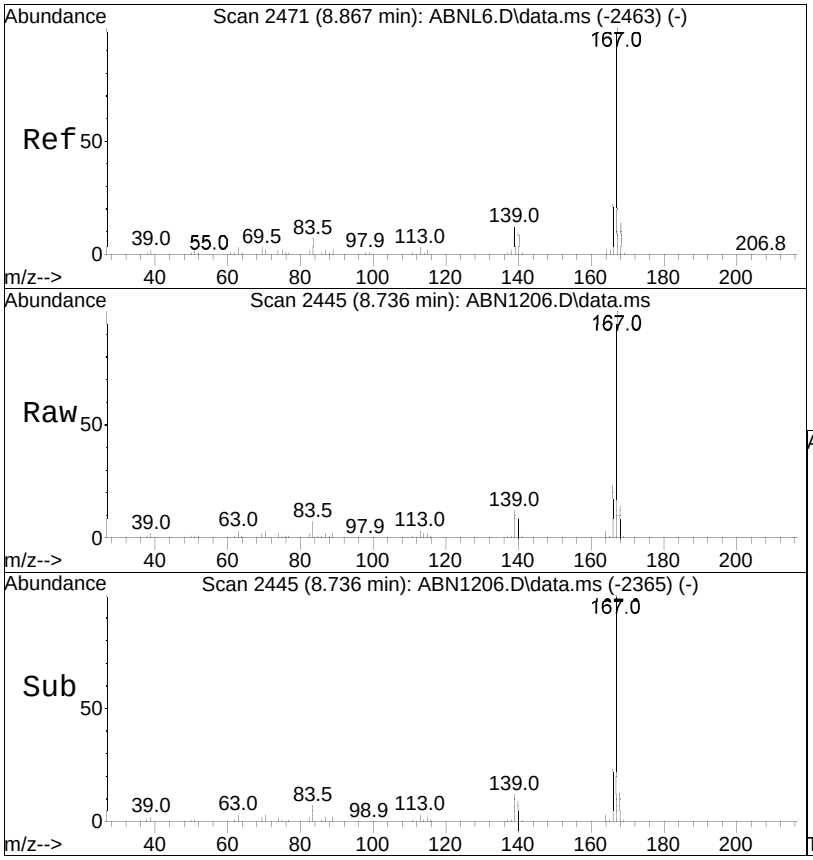


#92
Anthracene
Concen: 4.71 ug/ml
RT: 8.559 min Scan# 2388
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:178 Resp: 172727

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	19.9	14.6	22.0

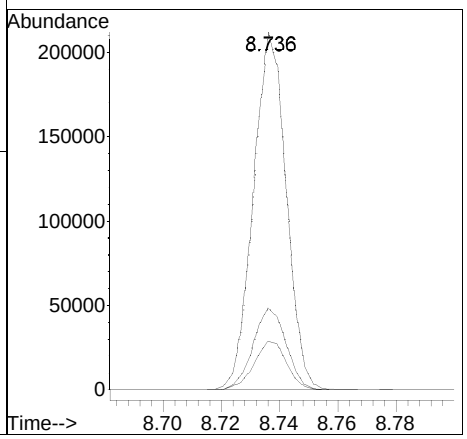


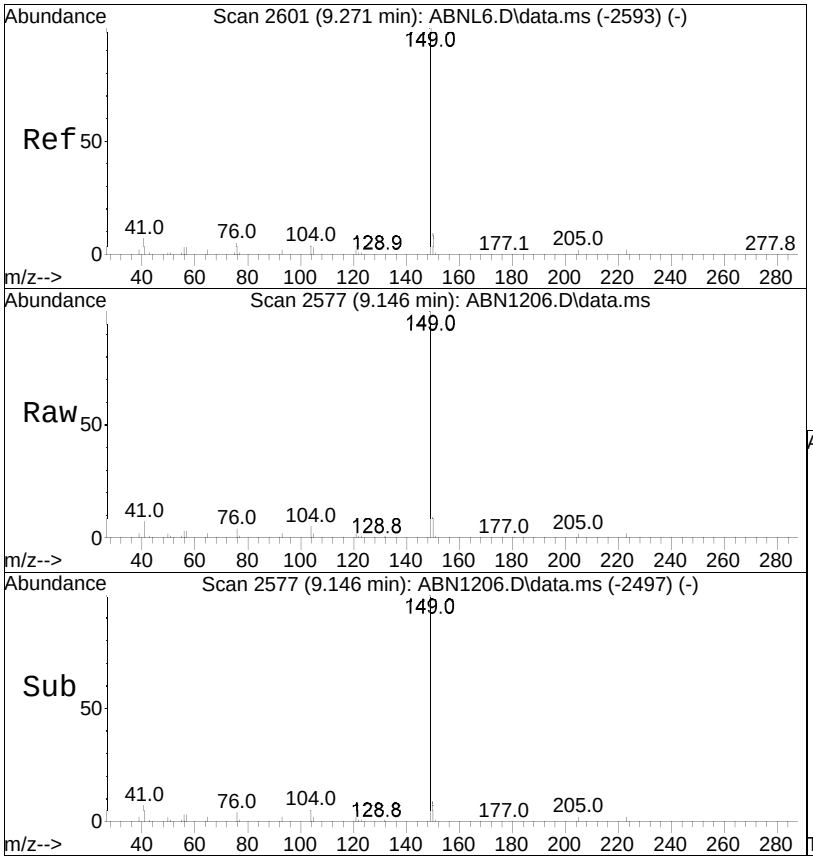


#93
Carbazole
Concen: 4.87 ug/ml
RT: 8.736 min Scan# 2445
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:167 Resp: 164159

Ion	Ratio	Lower	Upper
167	100		
168	13.7	10.6	15.8
166	23.2	17.4	26.0

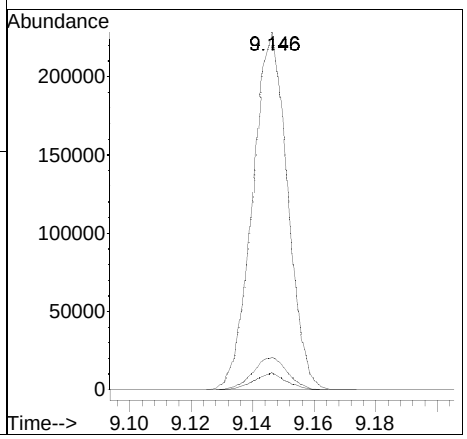


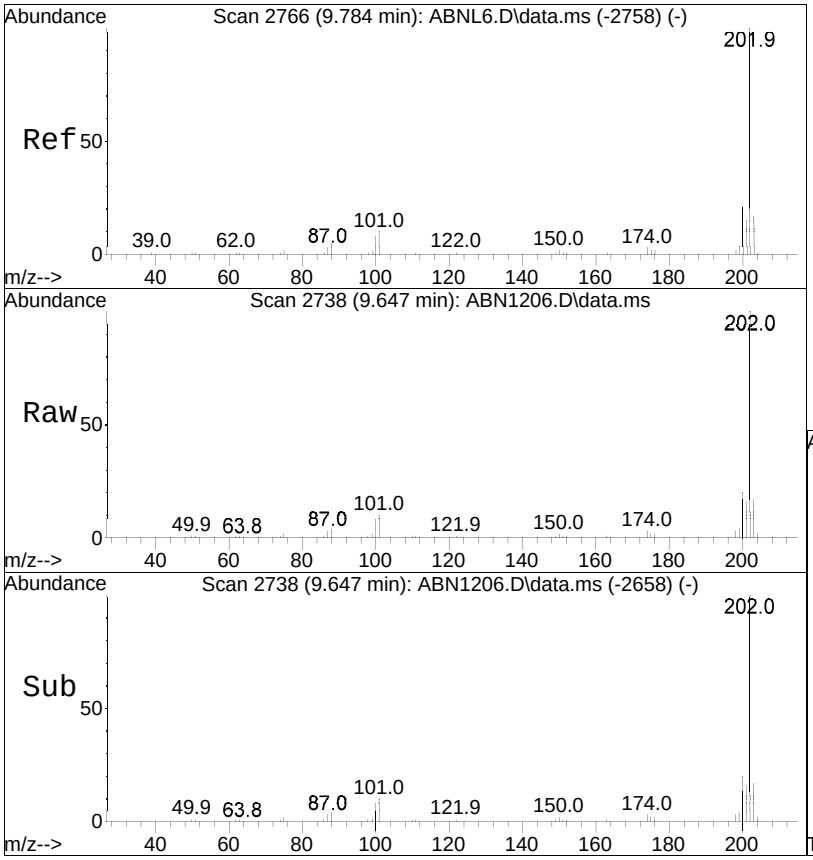


#94
Di-n-butylphthalate
Concen: 4.65 ug/ml
RT: 9.146 min Scan# 2577
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:149 Resp: 177551

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.0	10.6
104	4.4	4.5	6.7#

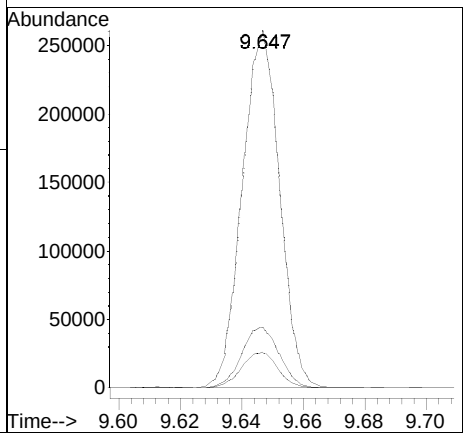


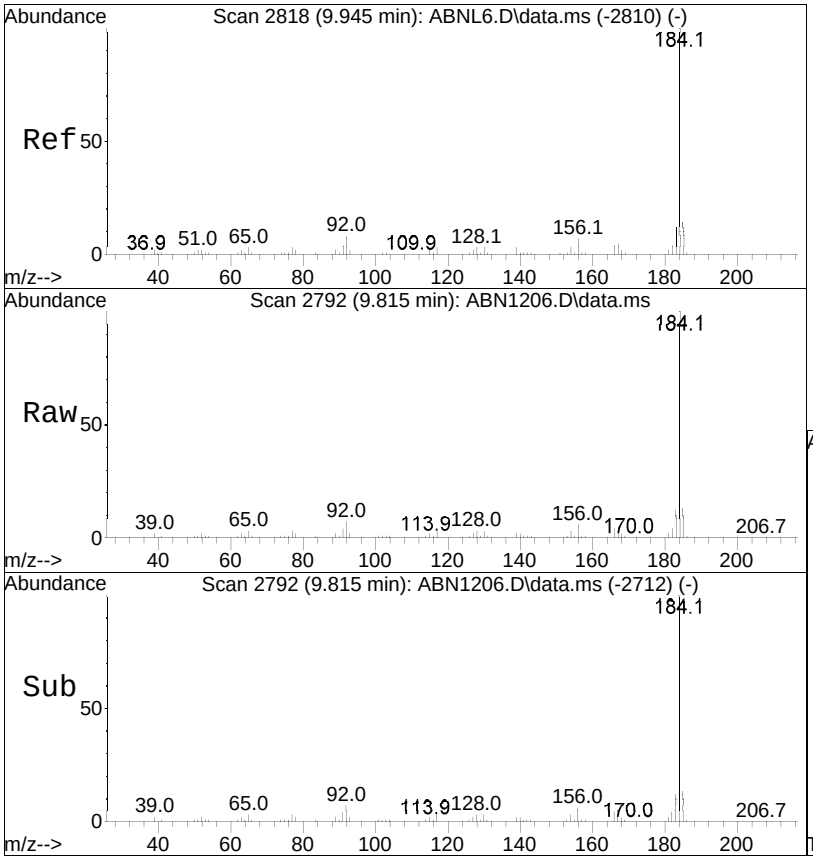


#95
Fluoranthene
Concen: 4.85 ug/ml
RT: 9.647 min Scan# 2738
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:202 Resp: 218247

Ion	Ratio	Lower	Upper
202	100		
101	9.8	13.5	20.3#
203	17.2	13.6	20.4

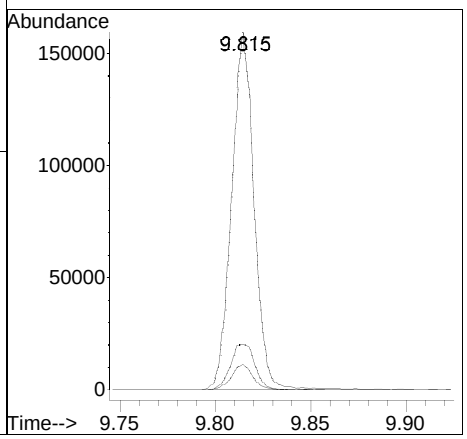


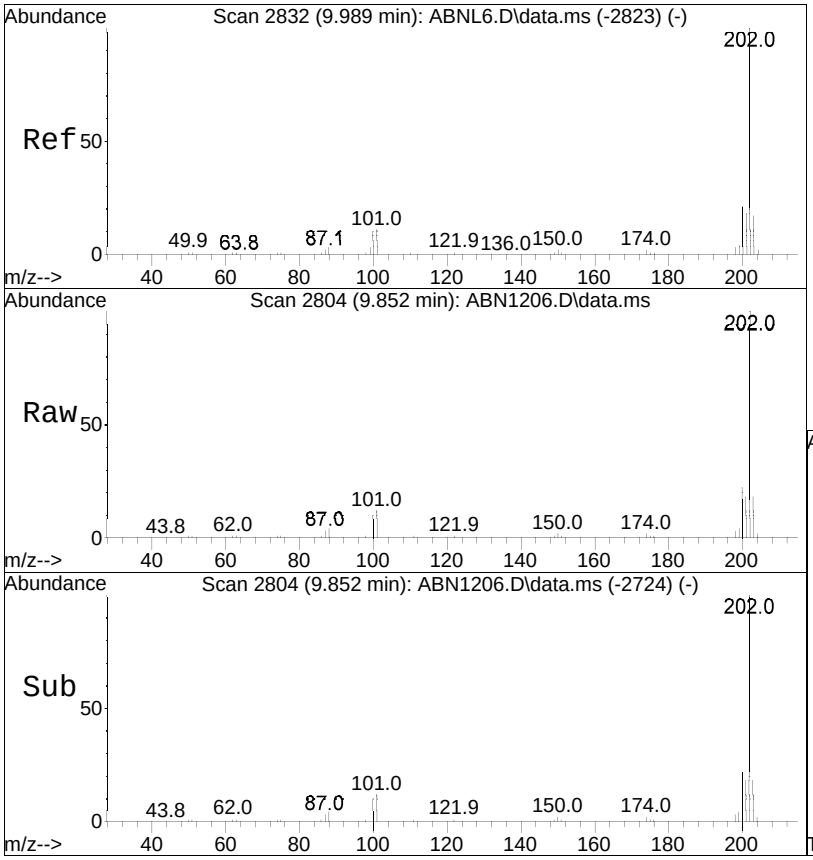


#96
Benzidine
Concen: 5.25 ug/ml
RT: 9.815 min Scan# 2792
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:184 Resp: 128122

Ion	Ratio	Lower	Upper
184	100		
92	6.9	9.1	13.7#
185	14.0	11.1	16.7

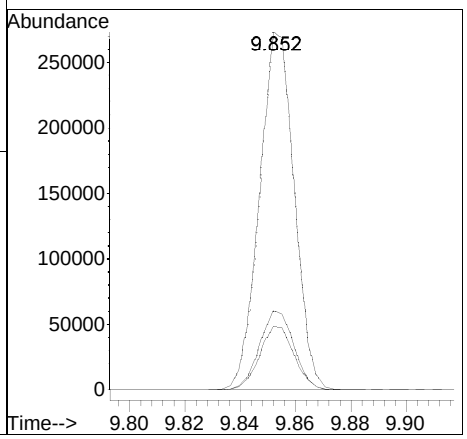


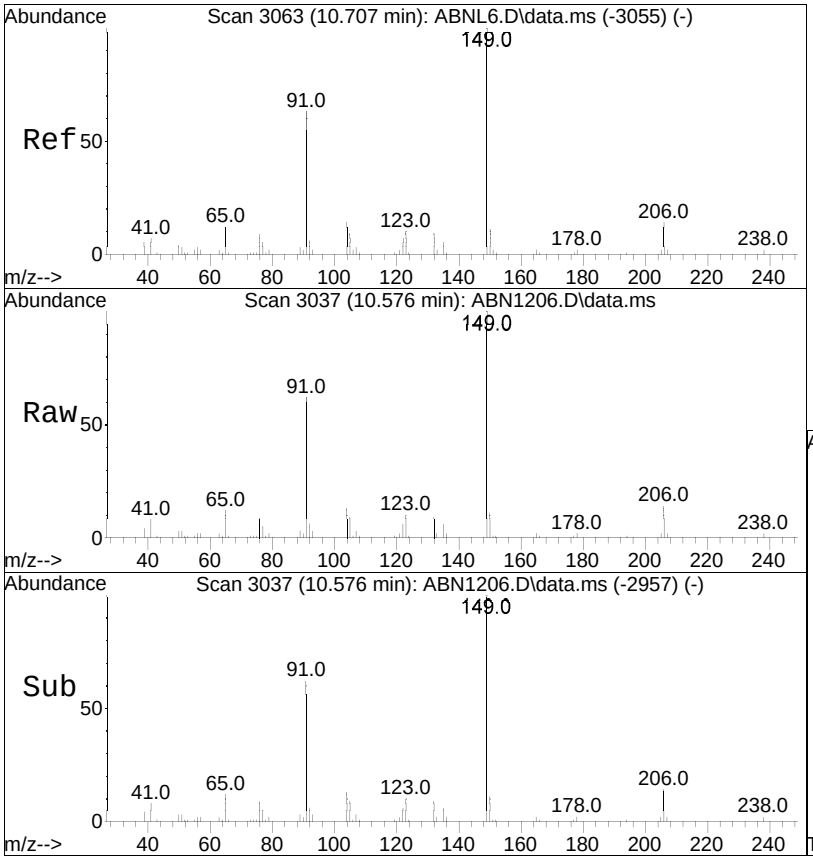


#97
Pyrene
Concen: 4.91 ug/ml
RT: 9.852 min Scan# 2804
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:202 Resp: 236074

Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.7	25.1
203	17.8	14.2	21.4

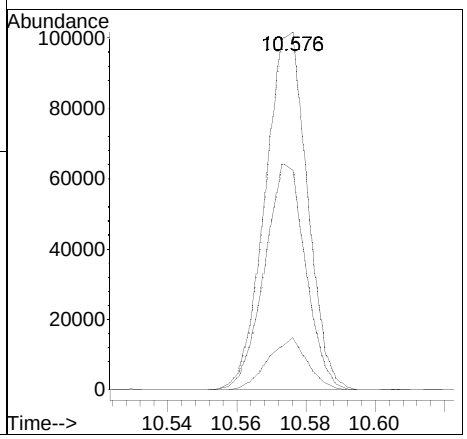


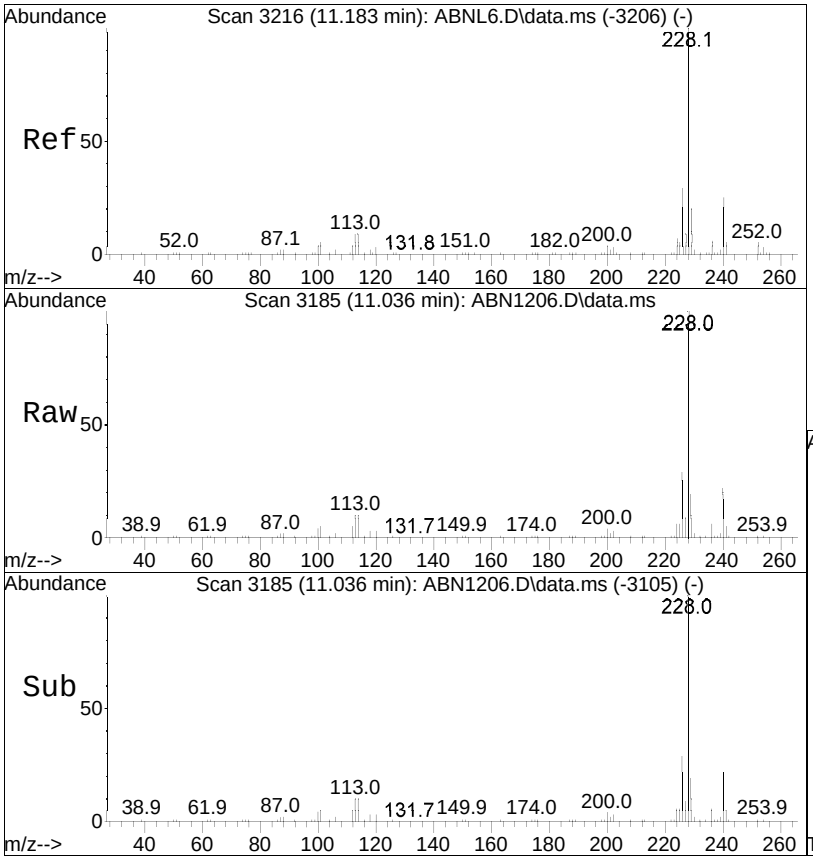


#99
Butyl benzyl phthalate
Concen: 5.21 ug/ml
RT: 10.576 min Scan# 3037
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:149 Resp: 85191

Ion	Ratio	Lower	Upper
149	100		
91	62.0	63.3	94.9#
206	13.6	13.9	20.9#

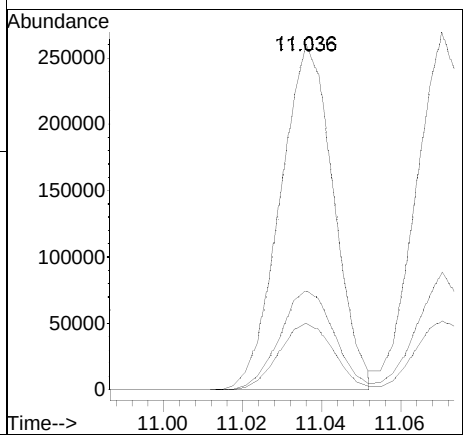


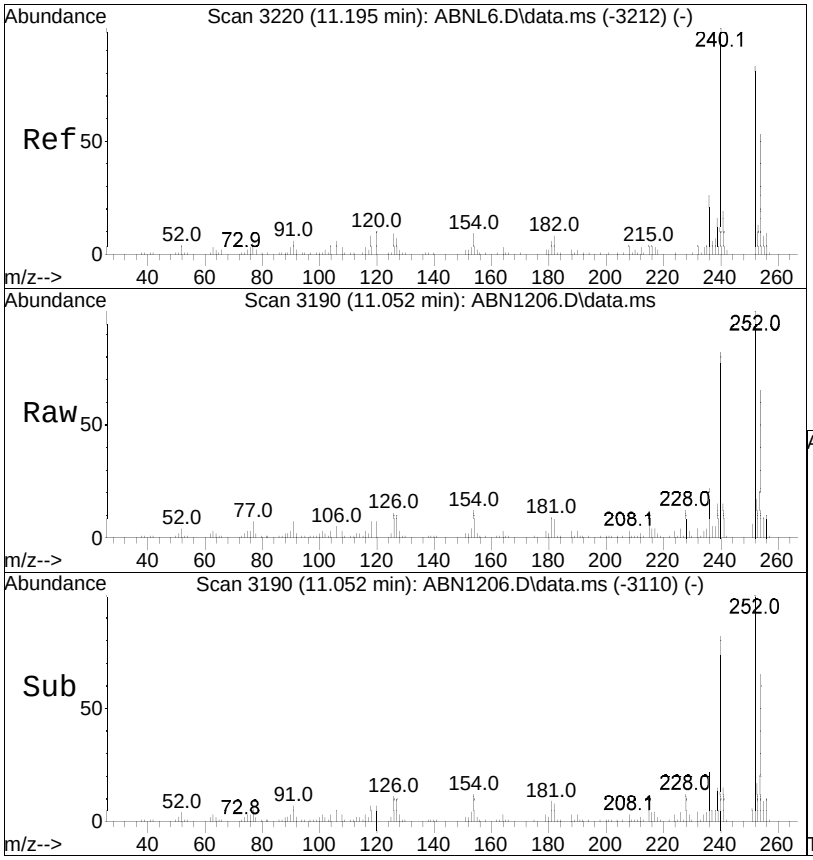


#107
Benzo(a)anthracene
Concen: 4.52 ug/ml
RT: 11.036 min Scan# 3185
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:228 Resp: 243833

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.2	33.4
229	19.9	15.6	23.4

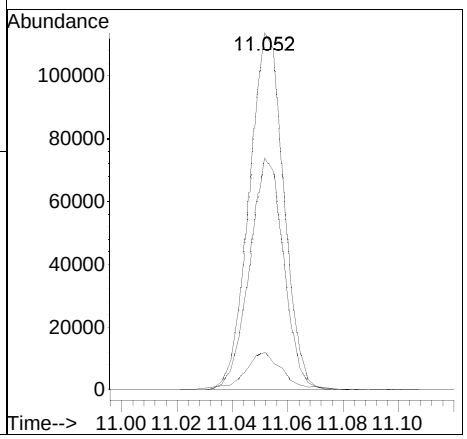


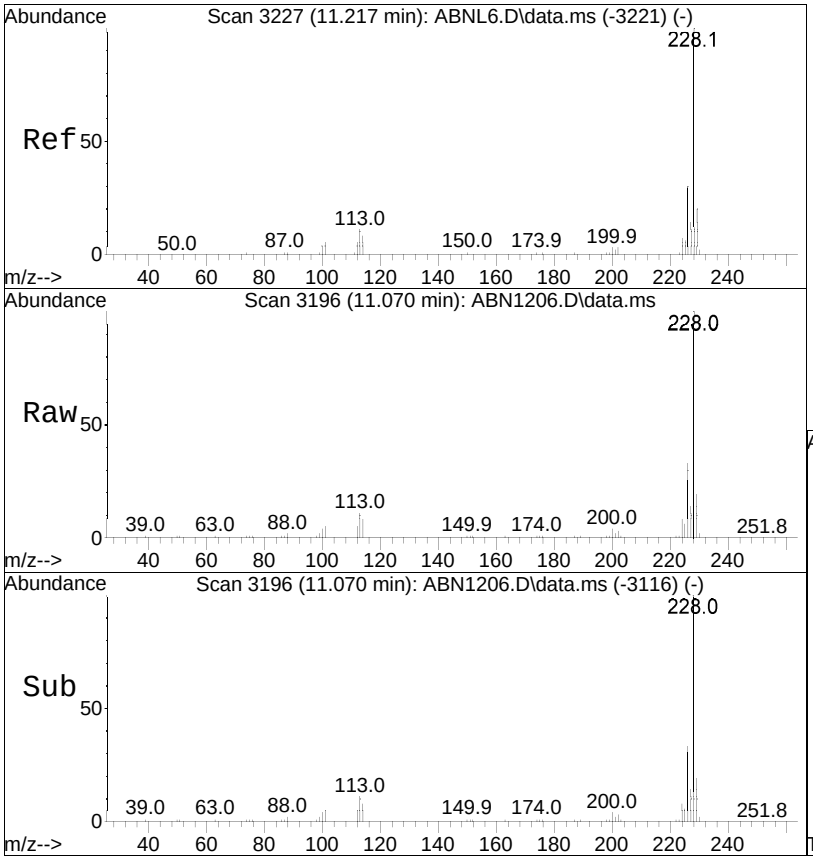


#108
3,3'-Dichlorobenzidine
Concen: 4.91 ug/ml
RT: 11.052 min Scan# 3190
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:252 Resp: 98752

Ion	Ratio	Lower	Upper
252	100		
126	11.7	14.5	21.7#
254	64.3	51.2	76.8

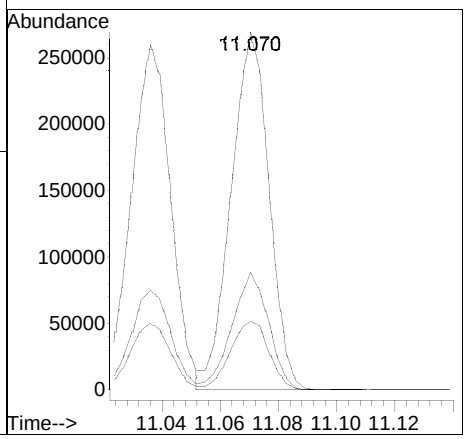


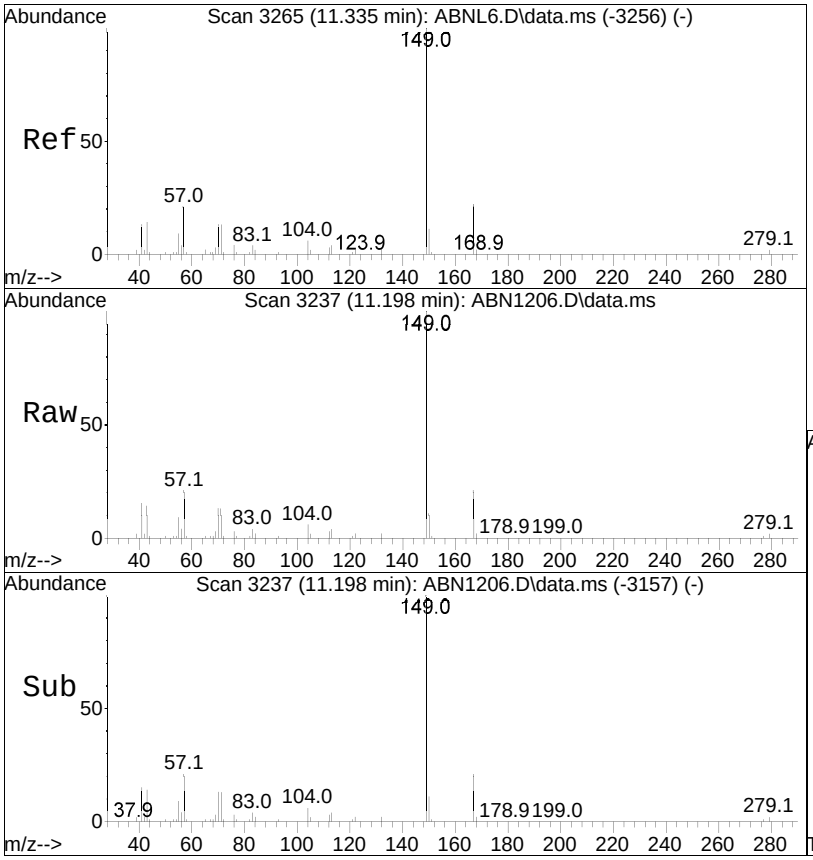


#109
Chrysene
Concen: 4.53 ug/ml
RT: 11.070 min Scan# 3196
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:228 Resp: 243210

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.0	36.0
229	19.4	15.8	23.8

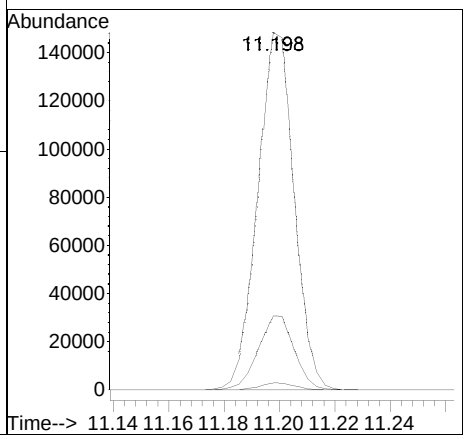


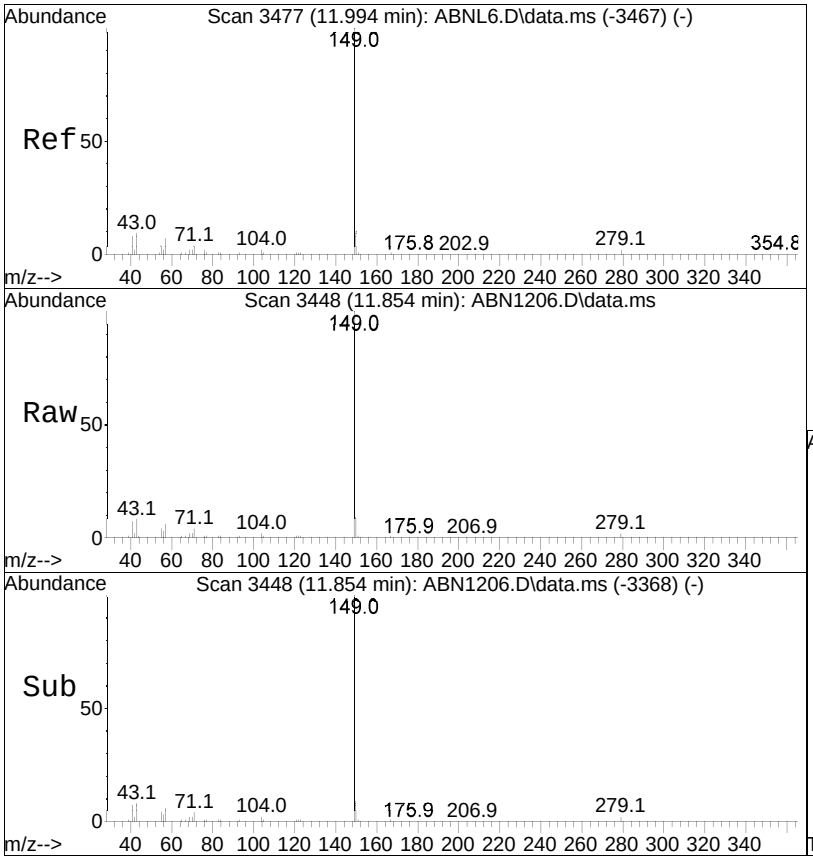


#110
Bis(2-ethylhexyl)phthalate
Concen: 4.64 ug/ml
RT: 11.198 min Scan# 3237
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:149 Resp: 134294

Ion	Ratio	Lower	Upper
149	100		
167	20.5	22.1	33.1#
279	1.8	3.0	4.4#

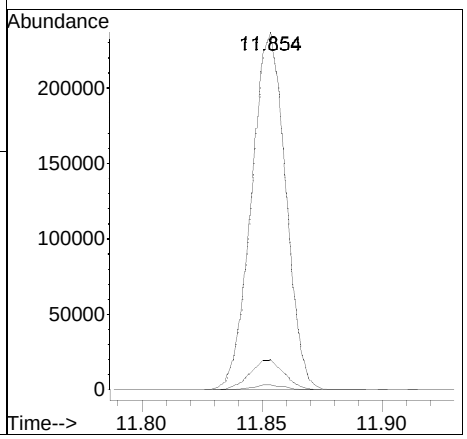


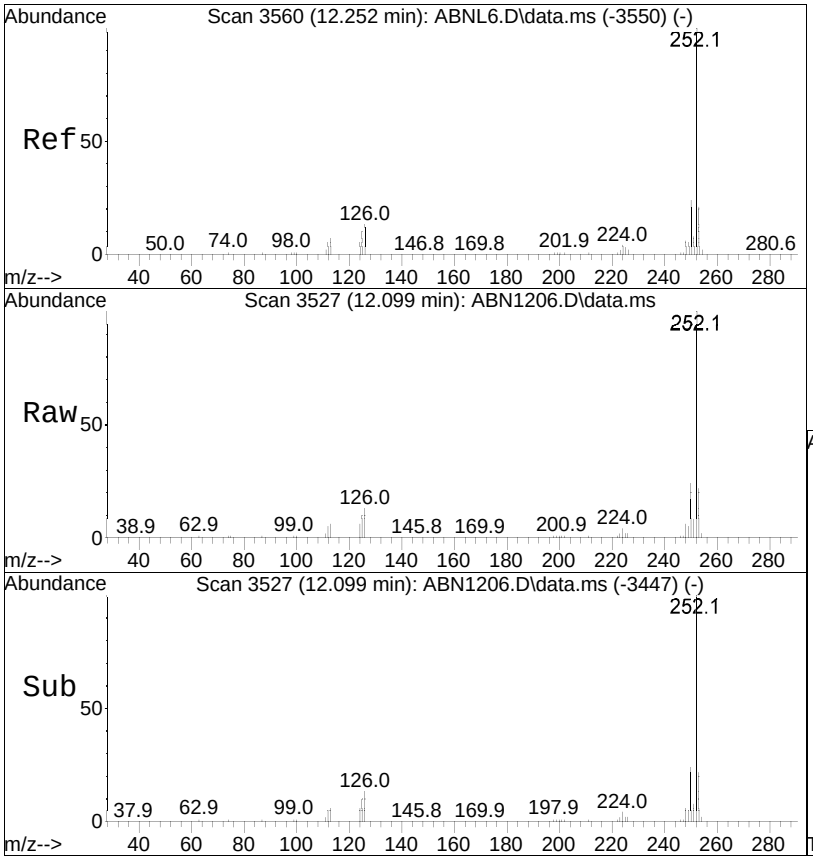


#111
Di-n-octylphthalate
Concen: 4.78 ug/ml
RT: 11.854 min Scan# 3448
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:149 Resp: 230480

Ion	Ratio	Lower	Upper
149	100		
43	8.5	18.8	28.2#
167	1.2	1.3	1.9#

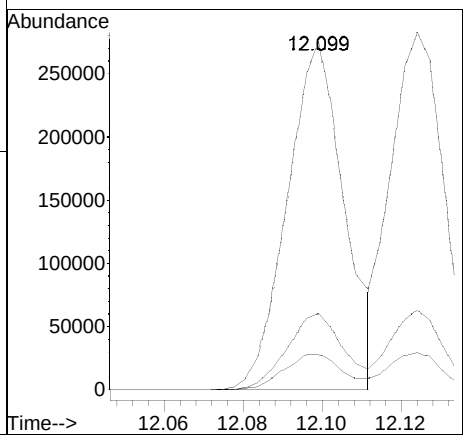


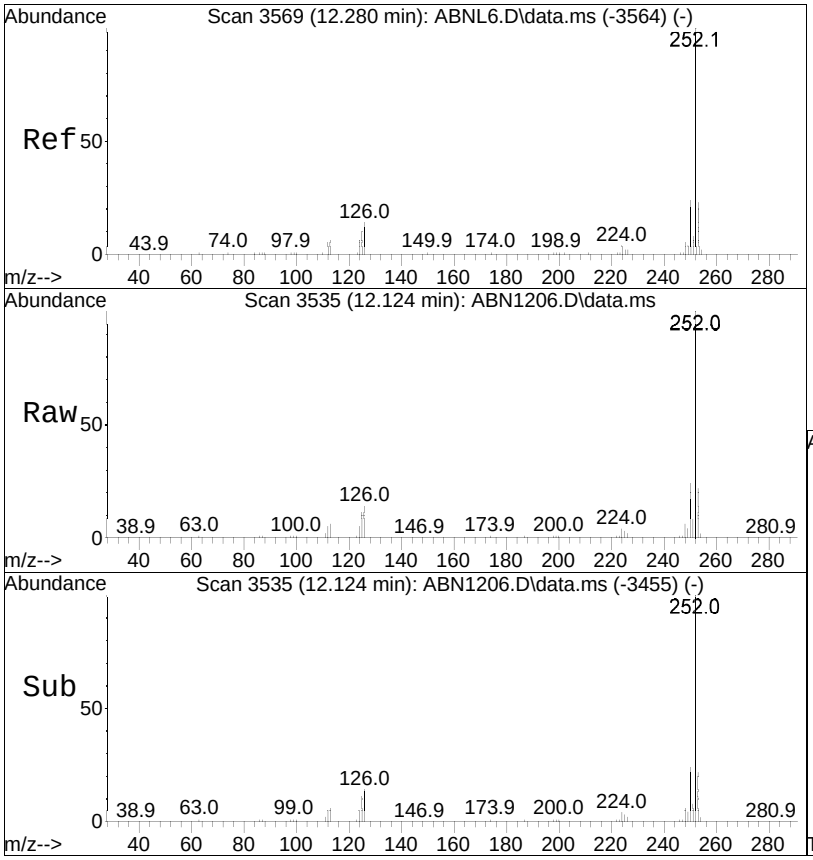


#112
Benzo(b)fluoranthene
Concen: 4.87 ug/ml
RT: 12.099 min Scan# 3527
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:252 Resp: 275404

Ion	Ratio	Lower	Upper
252	100		
125	10.8	13.3	19.9#
253	22.1	17.1	25.7

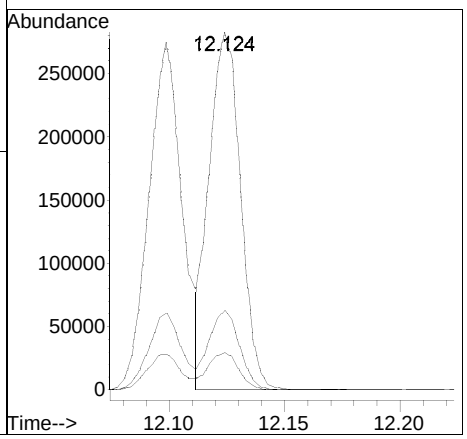


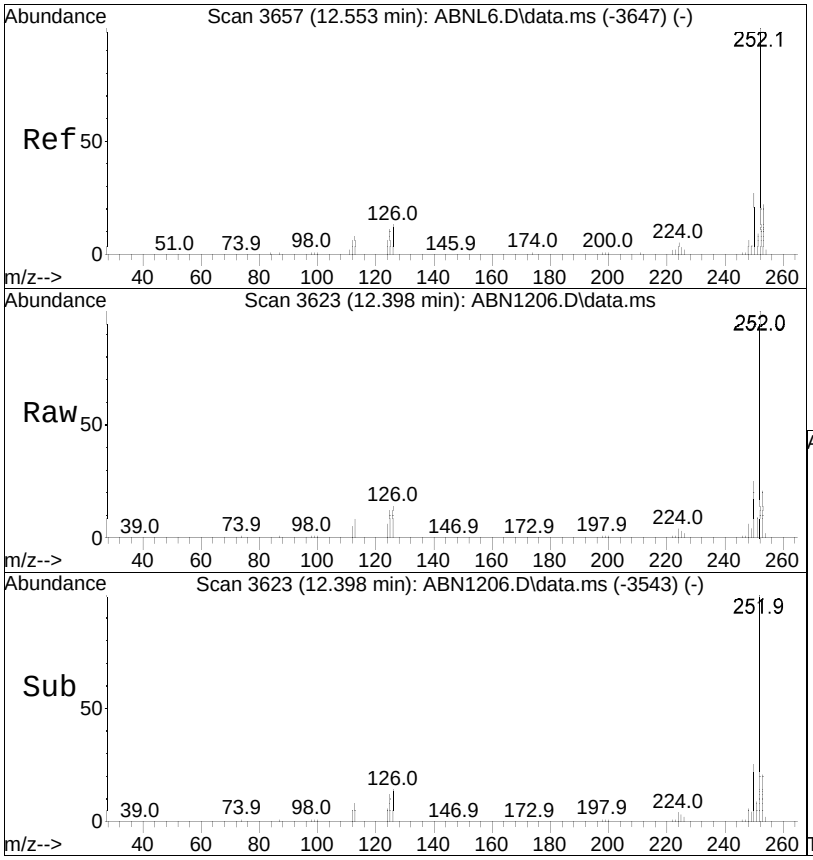


#113
Benzo(k)fluoranthene
Concen: 4.85 ug/ml
RT: 12.124 min Scan# 3535
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:252 Resp: 267249

Ion	Ratio	Lower	Upper
252	100		
125	10.2	13.0	19.6#
253	21.6	16.8	25.2

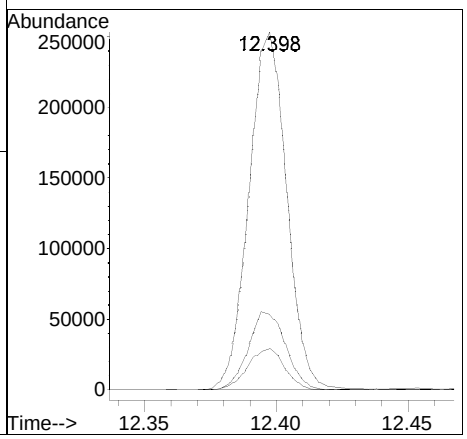


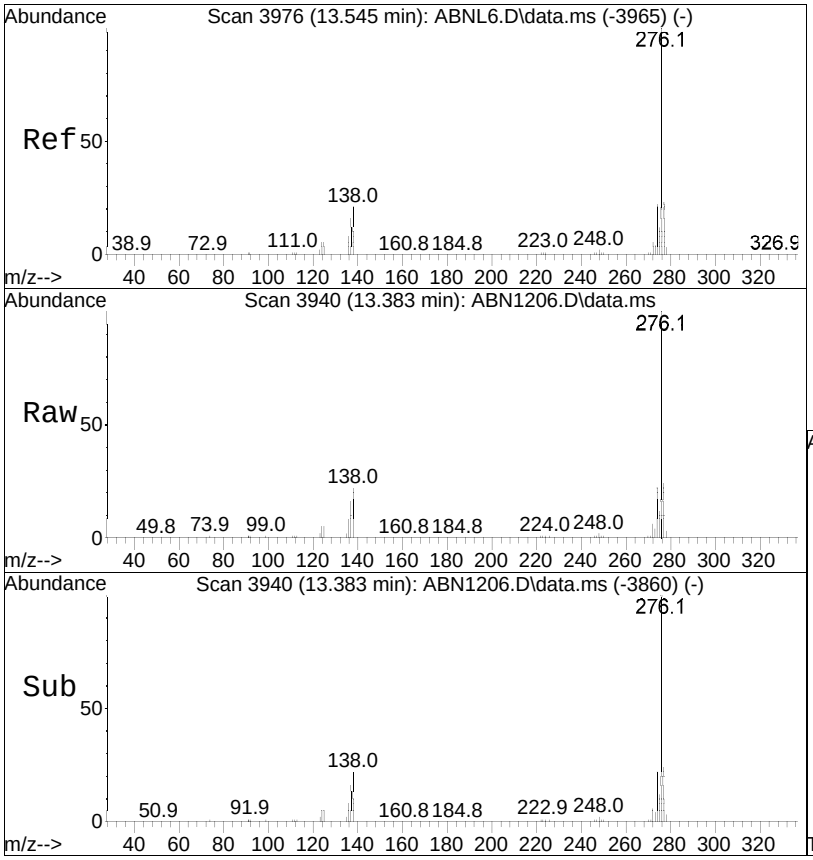


#114
Benzo(a)pyrene
Concen: 4.96 ug/ml
RT: 12.398 min Scan# 3623
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:252 Resp: 250476

Ion	Ratio	Lower	Upper
252	100		
125	11.6	14.2	21.2#
253	22.0	16.9	25.3

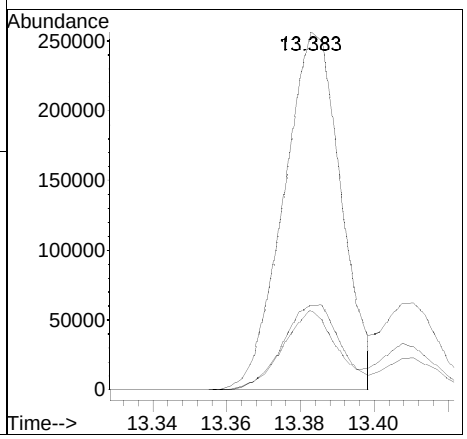


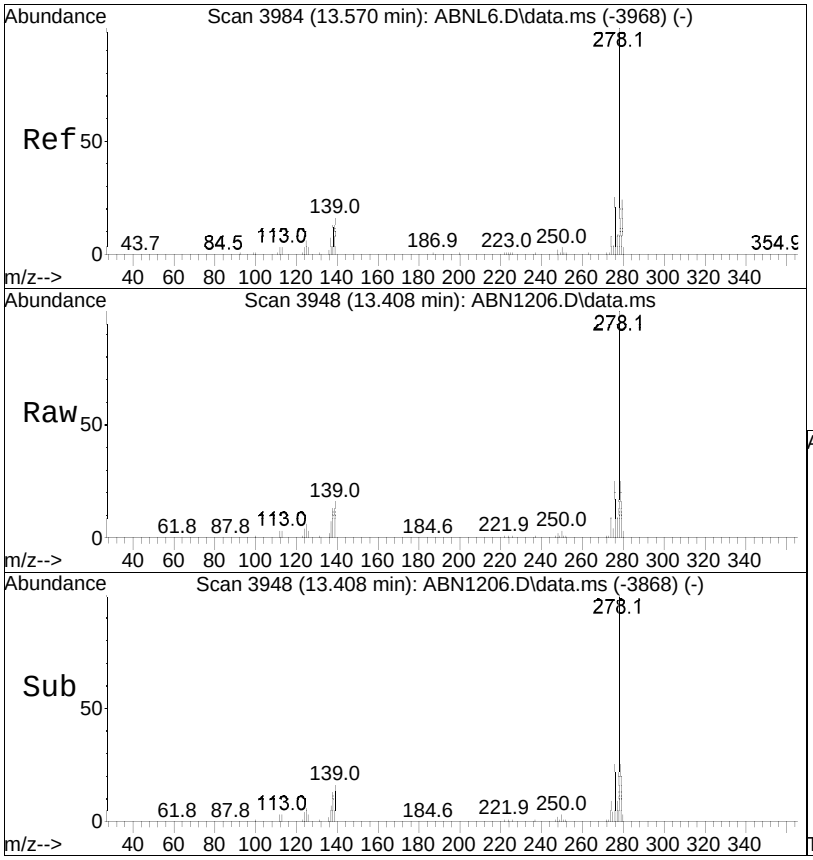


#116
Indeno(1,2,3-cd)pyrene
Concen: 4.60 ug/mL
RT: 13.383 min Scan# 3940
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:276 Resp: 275325

Ion	Ratio	Lower	Upper
276	100		
138	20.8	25.1	37.7#
277	24.3	18.6	28.0

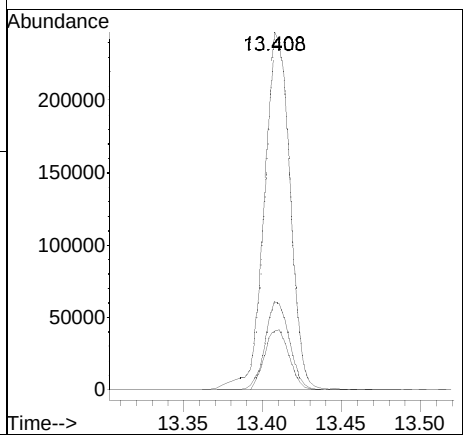


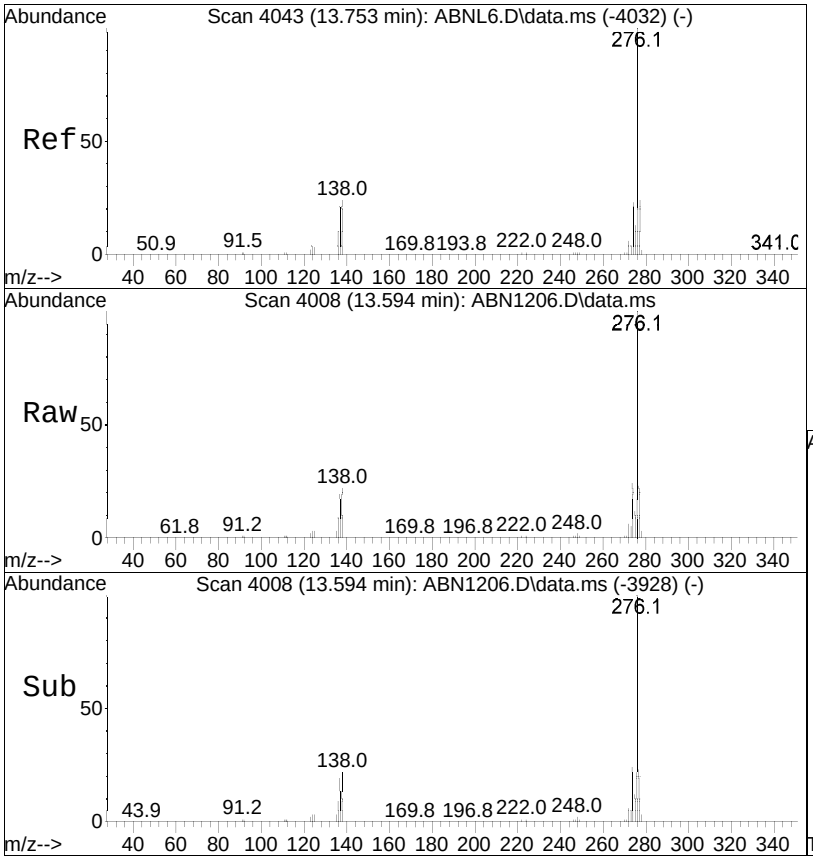


#117
Dibenzo(a,h)anthracene
Concen: 4.71 ug/ml
RT: 13.408 min Scan# 3948
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:278 Resp: 277498

Ion	Ratio	Lower	Upper
278	100		
139	16.2	20.8	31.2#
279	23.5	18.3	27.5

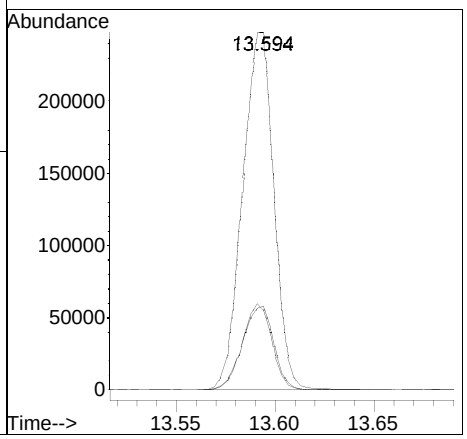




#118
Benzo(ghi)perylene
Concen: 4.68 ug/ml
RT: 13.594 min Scan# 4008
Delta R.T. 0.000 min
Lab File: ABN1206.D
Acq: 6 Dec 2024 12:06 pm

Tgt Ion:276 Resp: 270787

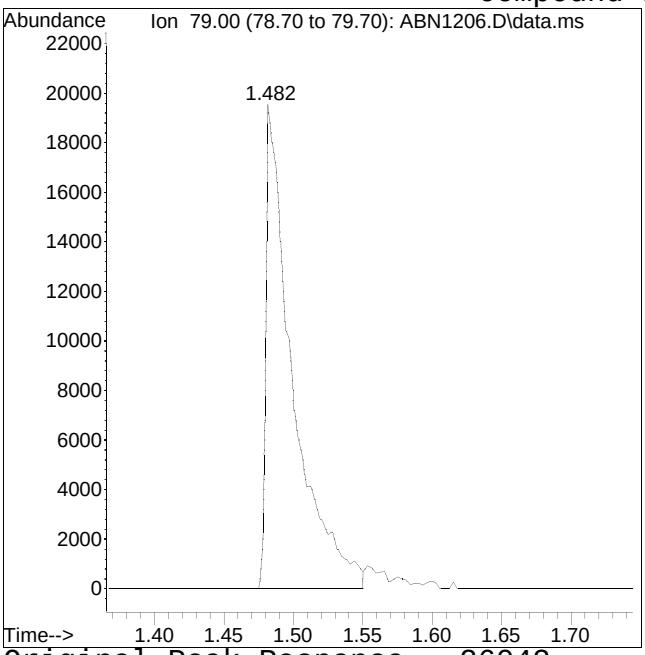
Ion	Ratio	Lower	Upper
276	100		
138	23.0	29.2	43.8#
277	23.4	18.8	28.2



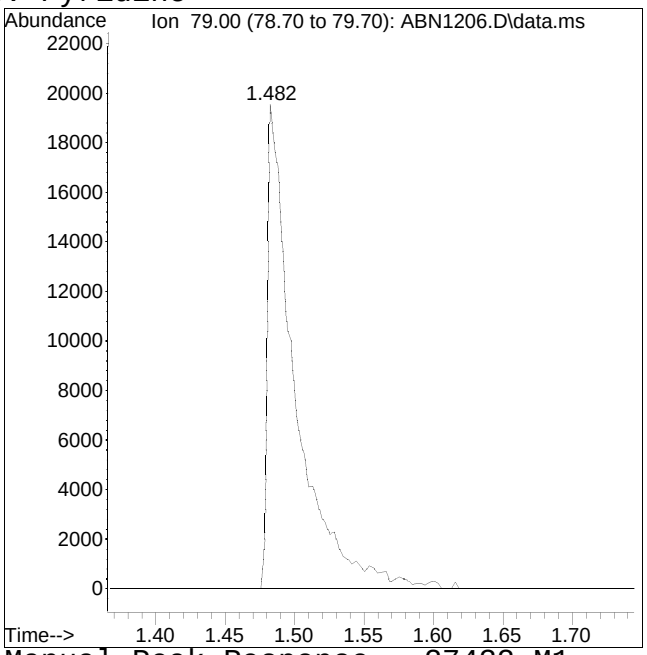
Manual Integration Report

Data Path : I:\8270\Dakota\241206RVT\ QMethod : FS241105RVT_Dakota.m
Data File : ABN1206.D Operator : Dakota:slr
Date Inj'd : 12/6/2024 12:06 pm Instrument : Dakota
Sample : WG2006161-3,32,,ABN 11043 Quant Date : 12/6/2024 12:41 pm

Compound #3: Pyridine



Original Peak Response = 26042



Manual Peak Response = 27432 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\241206RVT\
Data File : AP91206.D
Acq On : 6 Dec 2024 12:28 pm
Operator : Dakota:slr
Sample : WG2006161-4,32,,AP9 11152 gmr1109C
Misc : WG2006161,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 06 12:50:24 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 12:51:44 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)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00
28	T	Benzaldehyde	0.703	0.762	-8.4	85	0.00
29	T	Acetophenone	1.403	1.537	-9.6	89	0.00
30	T	m-Toluidine	1.287	1.390	-8.0	89	0.00
31	T	2-Chloroaniline	1.368	1.524	-11.4	91	0.00
57	I	IS2_Naphthalene-d8	1.000	1.000	0.0	95	0.00
58	T	a-Terpineol	0.221	0.226	-2.3	91	0.00
59	T	3-Chloroaniline	0.115	0.120	-4.3	90	0.00
60	T	2,6-Dichlorophenol	0.296	0.309	-4.4	92	0.00
61	T	1-chloro-2-nitrobenzene	0.113	0.126	-11.5	95	0.00
62	T	Caprolactam	0.123	0.123	0.0	92	0.00
63	T	1,2,4,5-Tetrachlorobenzene	0.413	0.409	1.0	89	0.00
64	T	Biphenyl	0.842	0.854	-1.4	90	0.00
85	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	93	0.00
86	T	Dichloran	0.169	0.182	-7.7	103	0.00
87	T	Pentachloronitrobenzene	0.187	0.199	-6.4	102	0.00
100	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	94	0.00
101	T	Diphenamid	0.416	0.445	-7.0	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\241206RVT\
Data File : AP91206.D
Acq On : 6 Dec 2024 12:28 pm
Operator : Dakota:slr
Sample : WG2006161-4,32,,AP9 11152 gmr1109C
Misc : WG2006161,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 06 12:50:24 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 12:51:44 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...	4.152	152	24112	4.000	ug/ml		0.00
57)	IS2_Naphthalene-d8	5.389	136	93316	4.000	ug/ml	#	0.00
85)	IS2_Acenaphthene-d10	7.079	164	59826	4.000	ug/ml		0.00
100)	IS2_Phenanthrene-d10	8.491	188	134396	4.000	ug/ml		0.00
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.710	105	22979	5.419	ug/ml		95
29)	Acetophenone	4.568	105	46335	5.477	ug/ml	#	79
30)	m-Toluidine	4.652	106	41890	5.400	ug/ml		95
31)	2-Chloroaniline	5.009	127	45940	5.571	ug/ml	#	90
58)	a-Terpineol	5.463	59	26374	5.106	ug/ml	#	81
59)	3-Chloroaniline	5.479	65	13951	5.219	ug/ml		93
60)	2,6-Dichlorophenol	5.501	162	36099	5.235	ug/ml	#	80
61)	1-chloro-2-nitrobenzene	5.752	111	14739	5.569	ug/ml	#	1
62)	Caprolactam	5.790	55	14330	4.998	ug/ml	#	74
63)	1,2,4,5-Tetrachloroben...	6.259	216	47666	4.948	ug/ml	#	96
64)	Biphenyl	6.551	154	99650	5.075	ug/ml		97
86)	Dichloran	8.205	206	13630	5.394	ug/ml	#	57
87)	Pentachloronitrobenzene	8.351	237	14874	5.331	ug/ml	#	77
101)	Diphenamid	9.407	167	74674	5.343	ug/ml	#	74

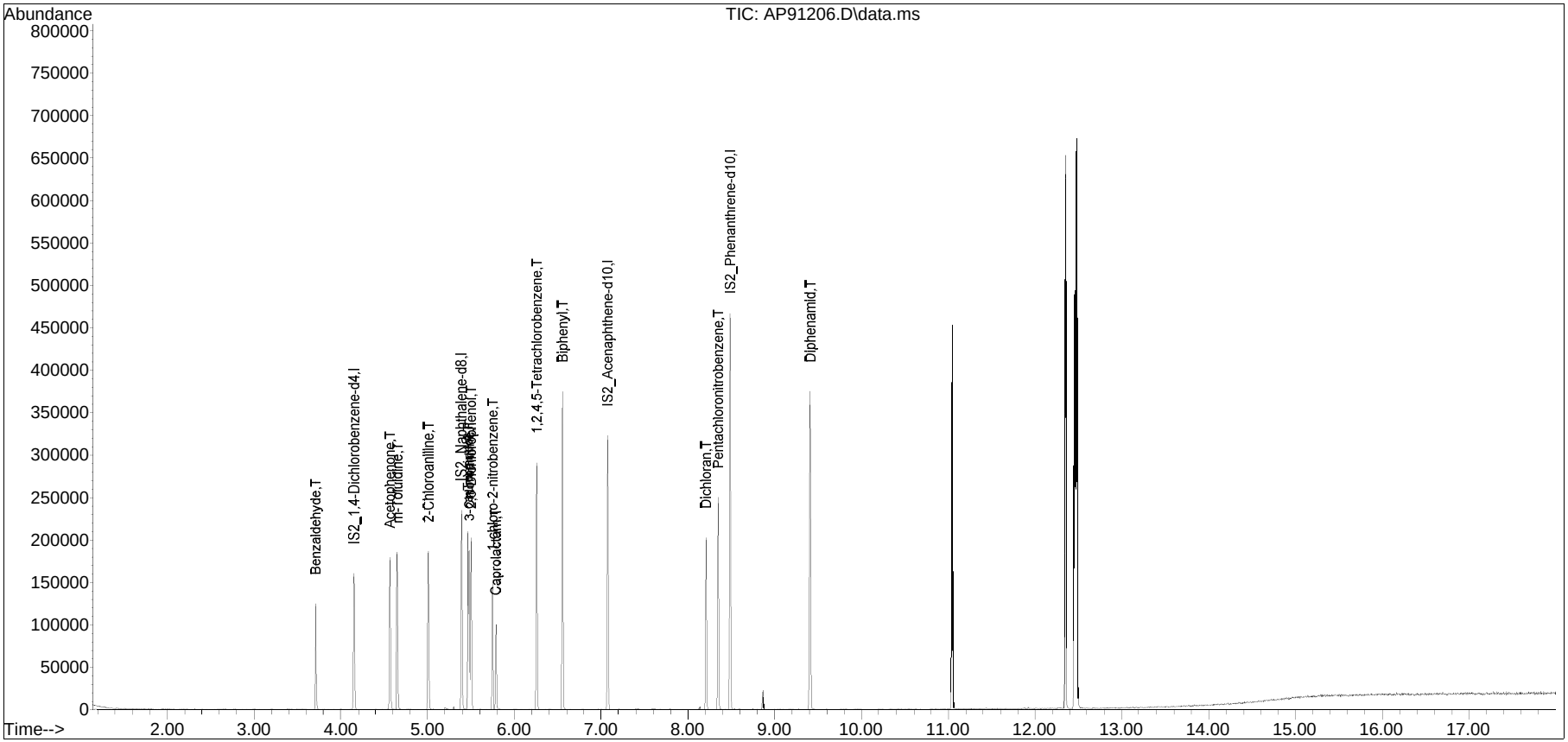
(#) = qualifier out of range (m) = manual integration (+) = signals summed

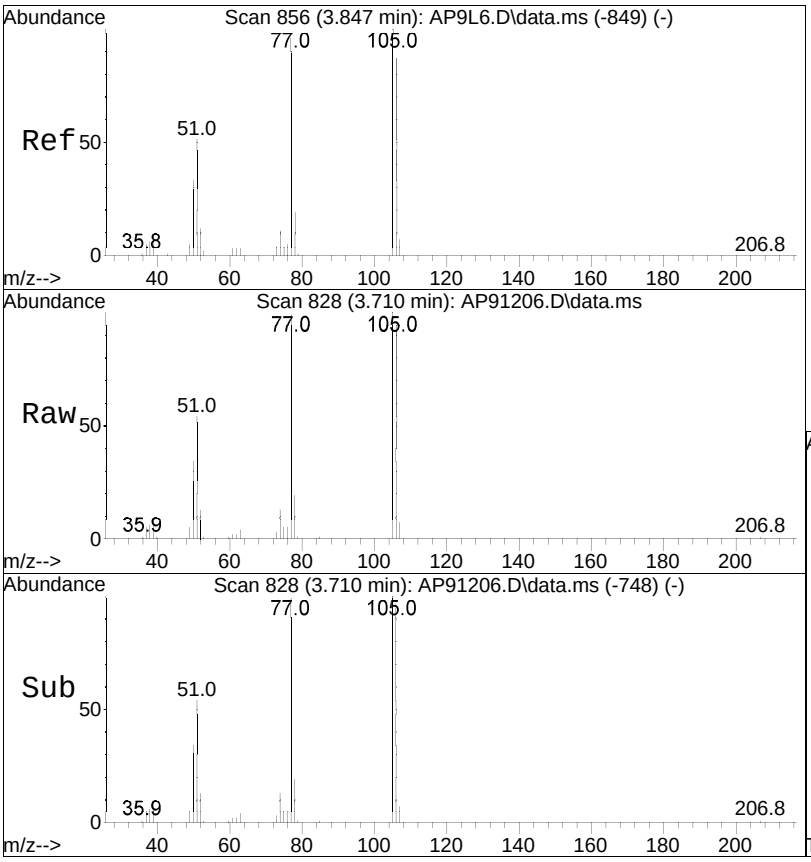
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241206RVT\
Data File : AP91206.D
Acq On : 6 Dec 2024 12:28 pm
Operator : Dakota:slr
Sample : WG2006161-4,32,,AP9 11152 gmr1109C
Misc : WG2006161,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Dec 06 12:50:24 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 12:51:44 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

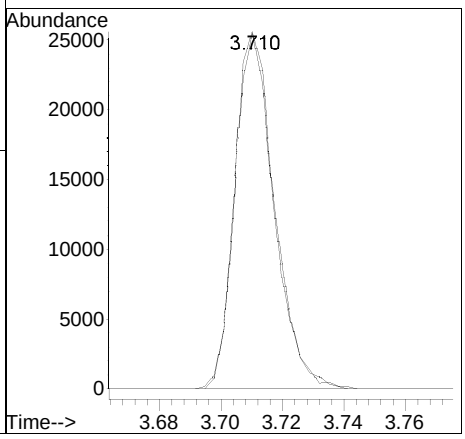


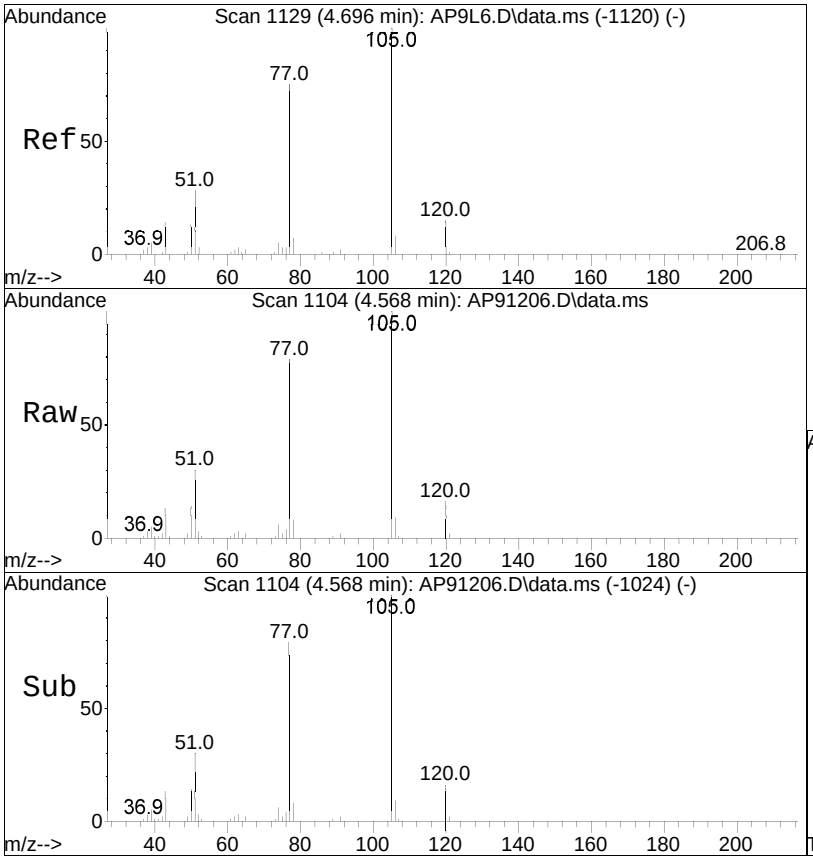


#28
Benzaldehyde
Concen: 5.42 ug/ml
RT: 3.710 min Scan# 828
Delta R.T. 0.000 min
Lab File: AP91206.D
Acq: 6 Dec 2024 12:28 pm

Tgt Ion:105 Resp: 22979

Ion	Ratio	Lower	Upper
105	100		
77	97.7	82.2	123.4

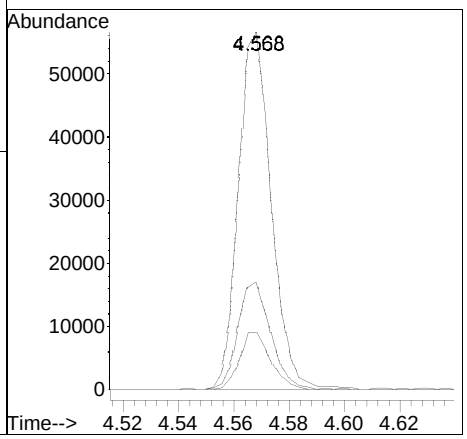


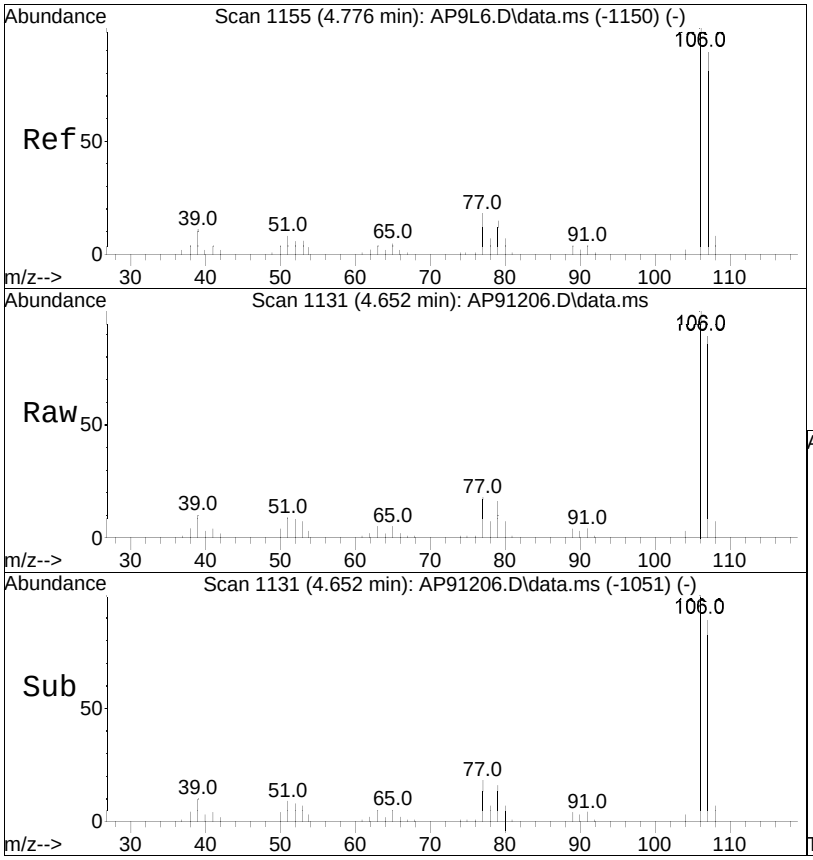


#29
Acetophenone
Concen: 5.48 ug/ml
RT: 4.568 min Scan# 1104
Delta R.T. 0.000 min
Lab File: AP91206.D
Acq: 6 Dec 2024 12:28 pm

Tgt Ion:105 Resp: 46335

Ion	Ratio	Lower	Upper
105	100		
120	15.1	20.5	30.7#
51	30.0	34.9	52.3#

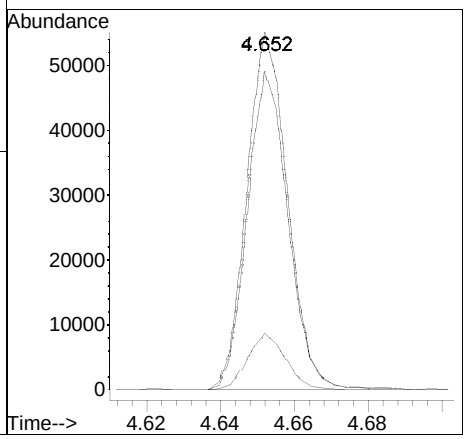


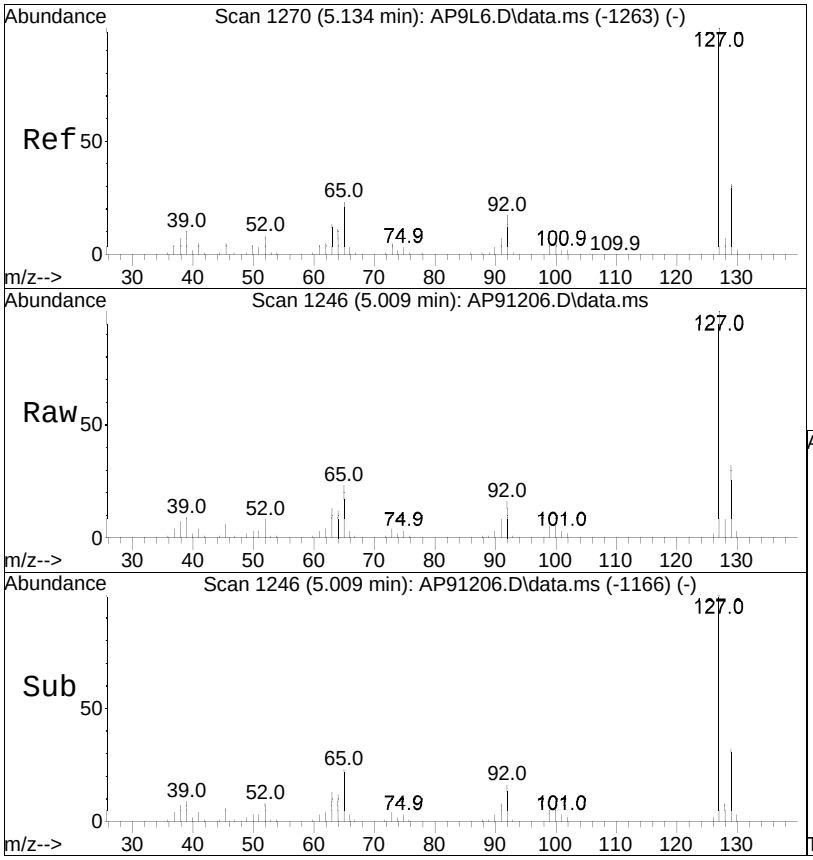


#30
m-Toluidine
Concen: 5.40 ug/ml
RT: 4.652 min Scan# 1131
Delta R.T. 0.000 min
Lab File: AP91206.D
Acq: 6 Dec 2024 12:28 pm

Tgt Ion:106 Resp: 41890

Ion	Ratio	Lower	Upper
106	100		
107	89.3	75.7	113.5
79	14.8	11.8	17.8

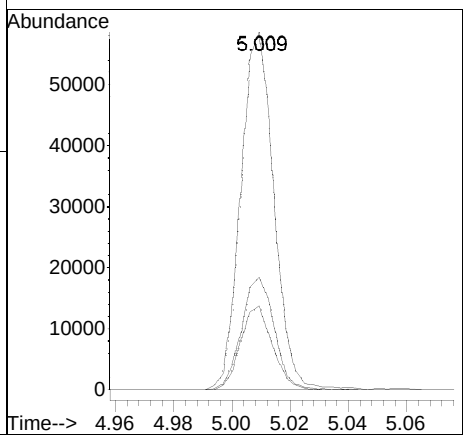


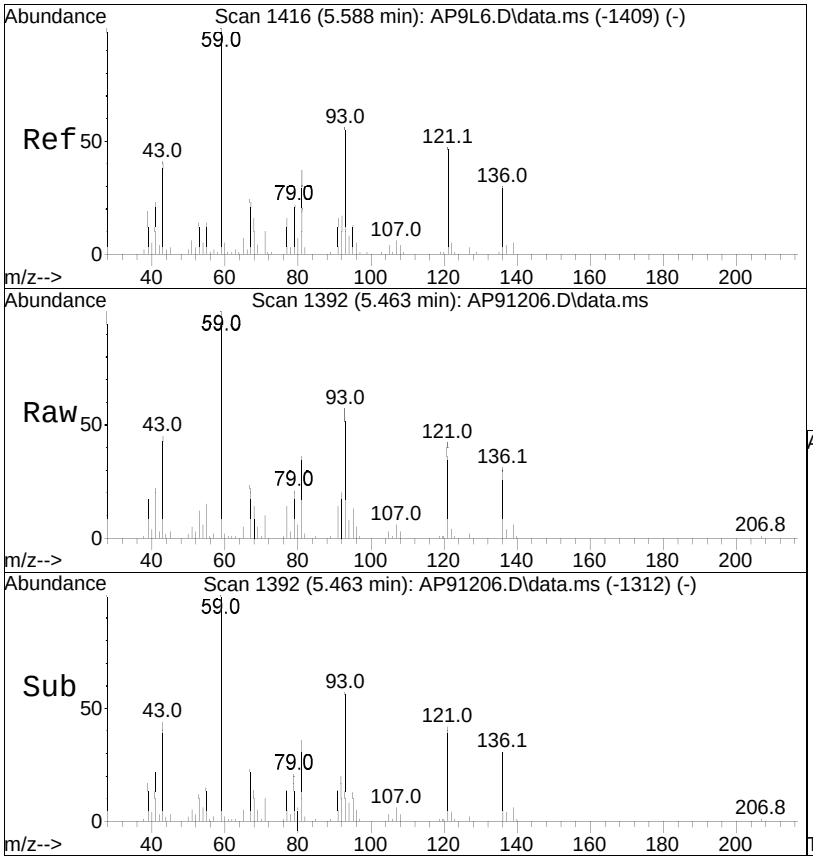


#31
2-Chloroaniline
Concen: 5.57 ug/ml
RT: 5.009 min Scan# 1246
Delta R.T. 0.000 min
Lab File: AP91206.D
Acq: 6 Dec 2024 12:28 pm

Tgt Ion:127 Resp: 45940

Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.9	38.9
65	22.6	26.3	39.5#

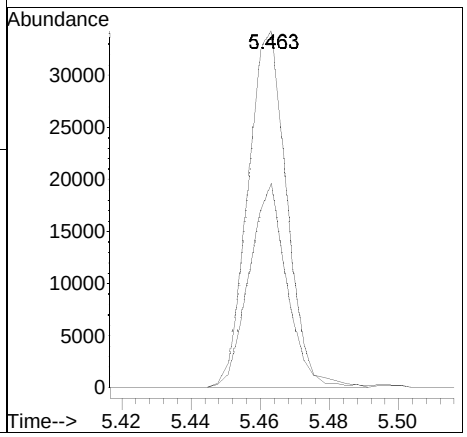


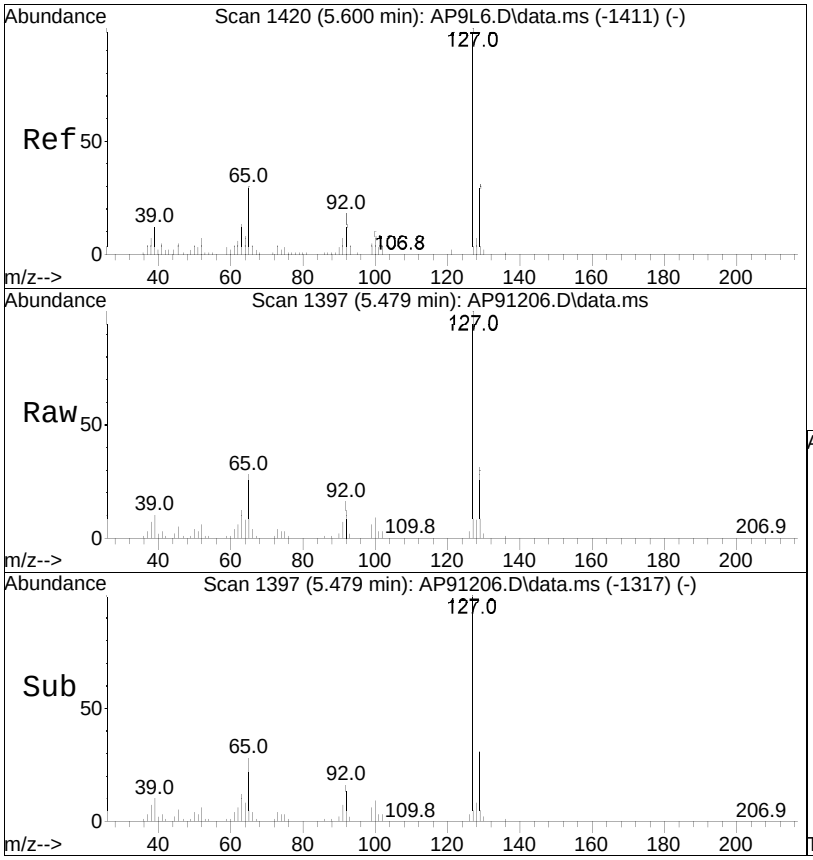


#58
a-Terpineol
Concen: 5.11 ug/ml
RT: 5.463 min Scan# 1392
Delta R.T. 0.000 min
Lab File: AP91206.D
Acq: 6 Dec 2024 12:28 pm

Tgt Ion: 59 Resp: 26374

Ion	Ratio	Lower	Upper
59	100		
93	56.8	35.6	53.4#

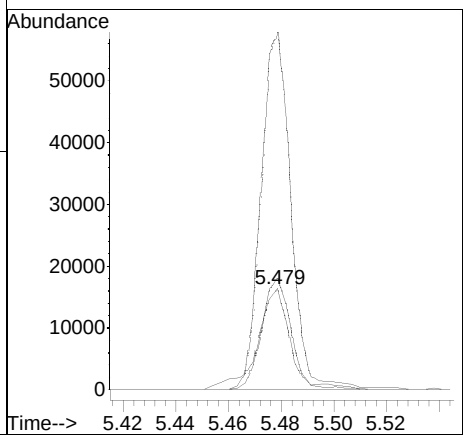


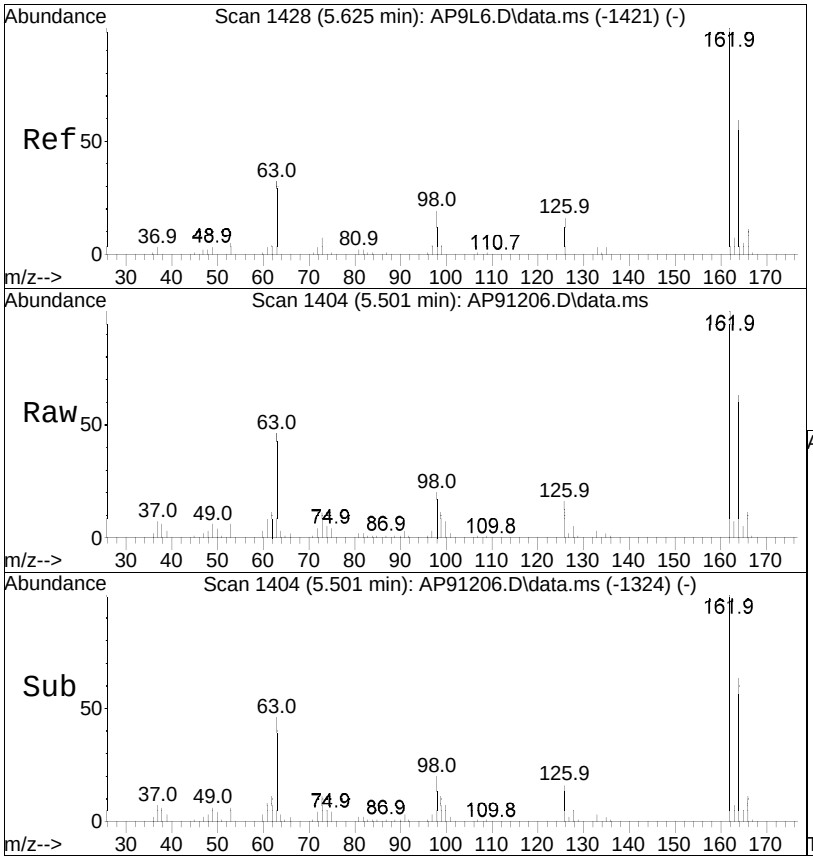


#59
3-Chloroaniline
Concen: 5.22 ug/ml
RT: 5.479 min Scan# 1397
Delta R.T. 0.000 min
Lab File: AP91206.D
Acq: 6 Dec 2024 12:28 pm

Tgt Ion: 65 Resp: 13951

Ion	Ratio	Lower	Upper
65	100		
127	321.0	243.2	364.8
129	98.9	78.8	118.2

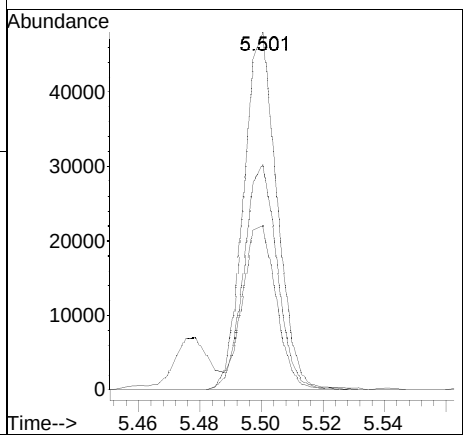


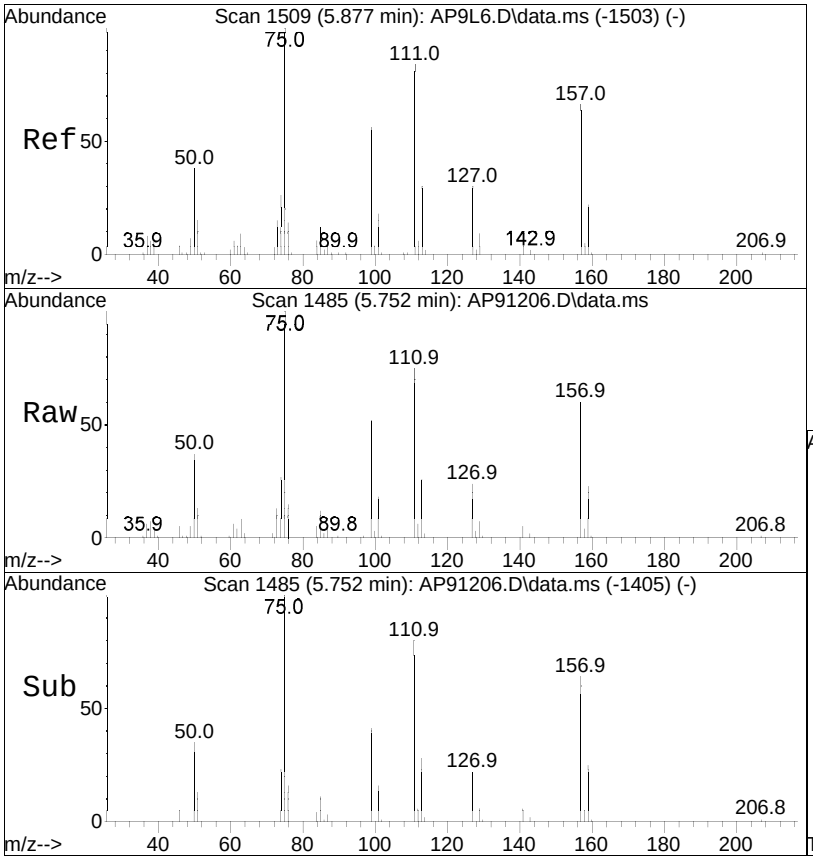


#60
2,6-Dichlorophenol
Concen: 5.24 ug/ml
RT: 5.501 min Scan# 1404
Delta R.T. 0.000 min
Lab File: AP91206.D
Acq: 6 Dec 2024 12:28 pm

Tgt Ion:162 Resp: 36099

Ion	Ratio	Lower	Upper
162	100		
164	62.9	51.1	76.7
63	46.0	60.8	91.2#

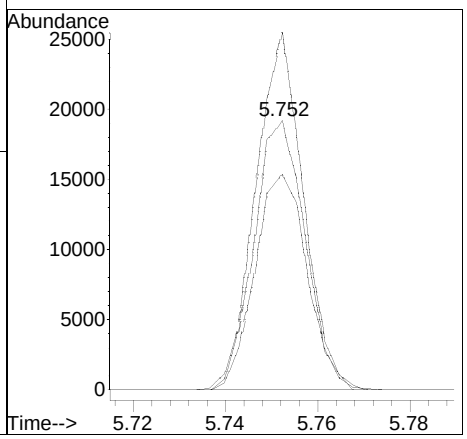


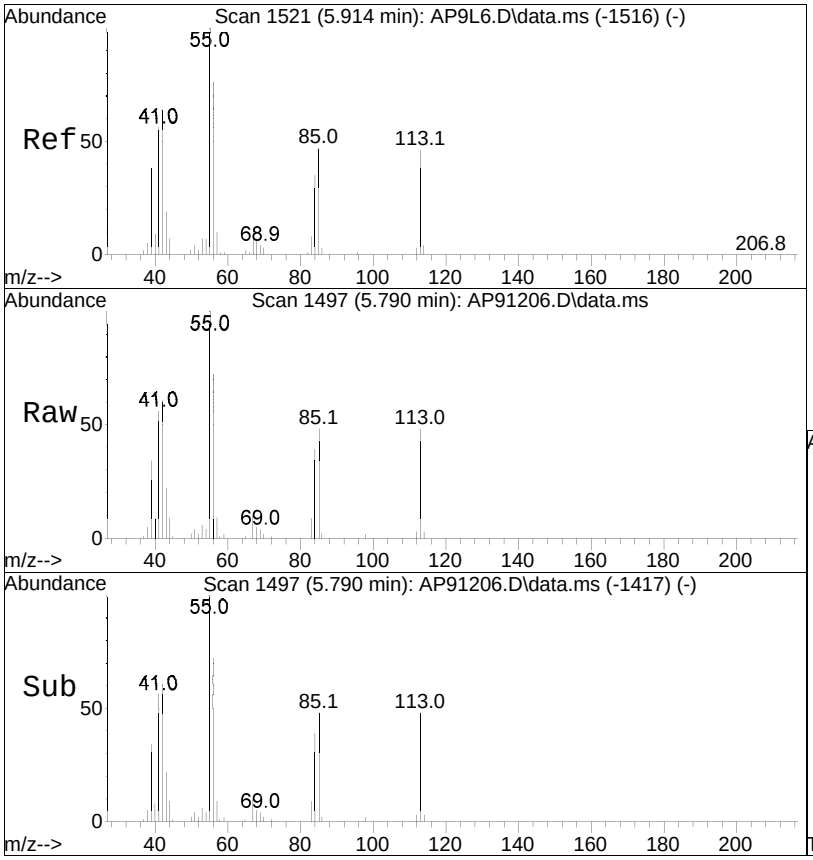


#61
1-chloro-2-nitrobenzene
Concen: 5.57 ug/ml
RT: 5.752 min Scan# 1485
Delta R.T. 0.000 min
Lab File: AP91206.D
Acq: 6 Dec 2024 12:28 pm

Tgt Ion:111 Resp: 14739

Ion	Ratio	Lower	Upper
111	100		
157	82.2	0.0	0.0#
75	123.7	28.2	42.2#

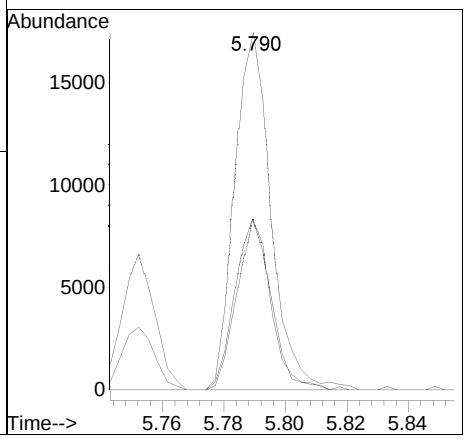


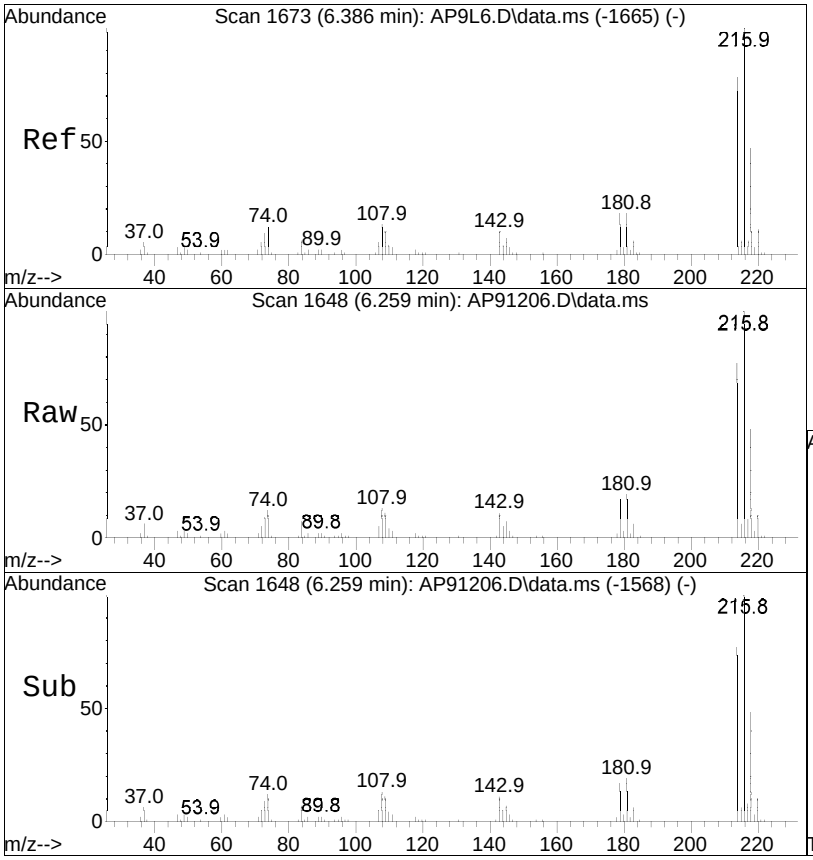


#62
Caprolactam
Concen: 5.00 ug/ml
RT: 5.790 min Scan# 1497
Delta R.T. 0.000 min
Lab File: AP91206.D
Acq: 6 Dec 2024 12:28 pm

Tgt Ion: 55 Resp: 14330

Ion	Ratio	Lower	Upper
55	100		
85	47.2	19.8	29.6#
113	45.3	29.6	44.4#

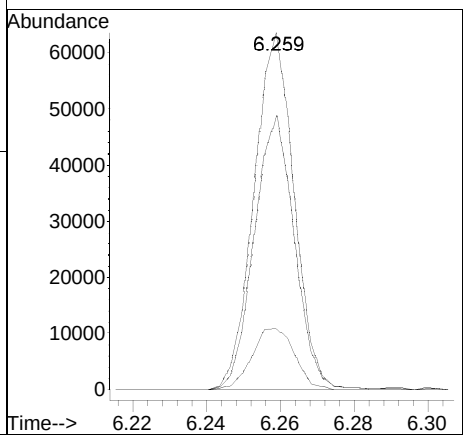


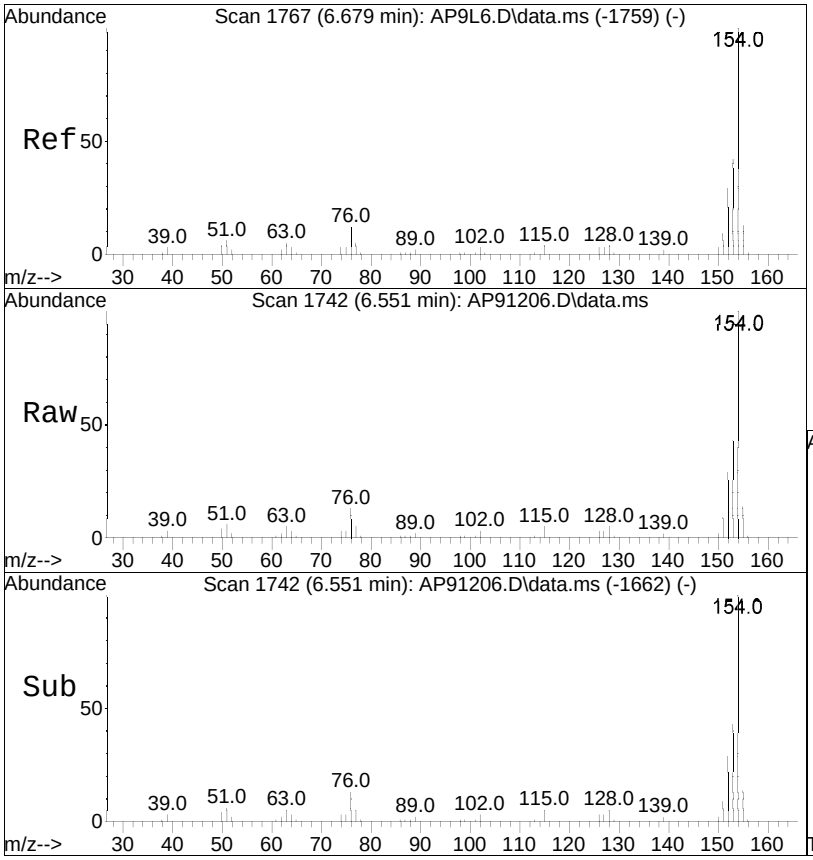


#63
1,2,4,5-Tetrachlorobenzene
Concen: 4.95 ug/ml
RT: 6.259 min Scan# 1648
Delta R.T. 0.000 min
Lab File: AP91206.D
Acq: 6 Dec 2024 12:28 pm

Tgt Ion:216 Resp: 47666

Ion	Ratio	Lower	Upper
216	100		
214	77.4	63.7	95.5
179	18.5	19.0	28.6#

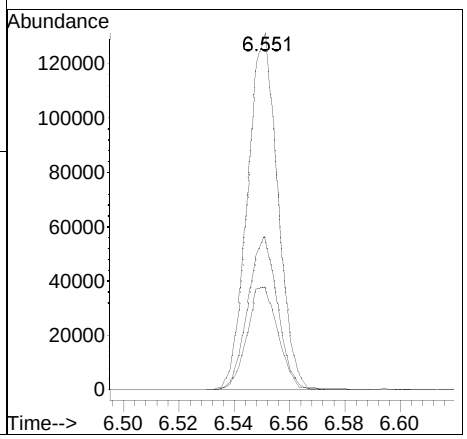


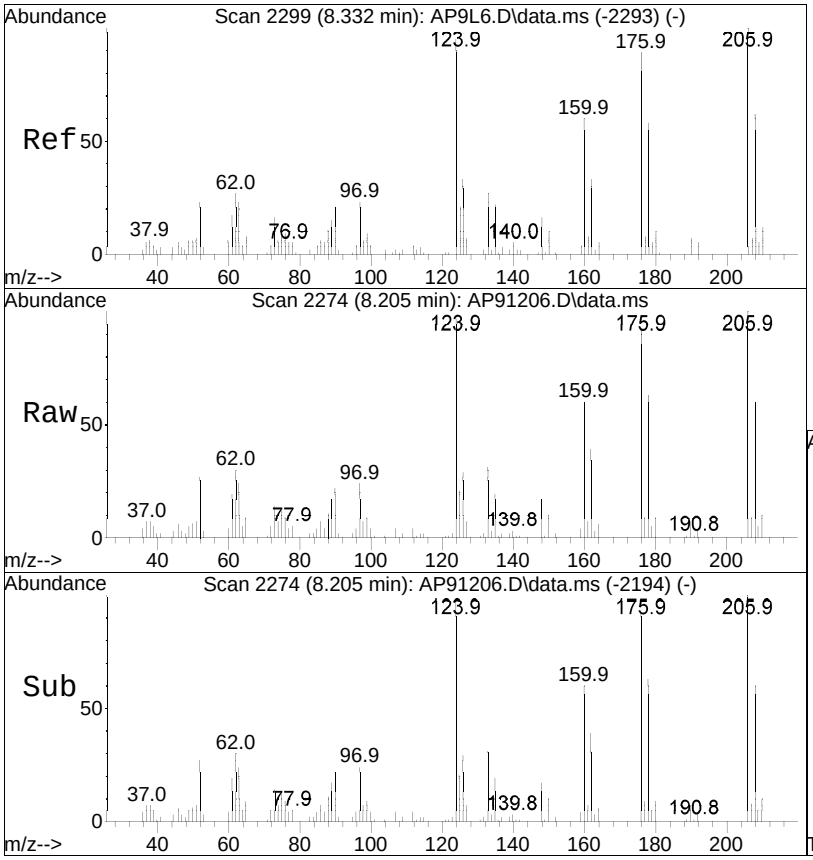


#64
Biphenyl
Concen: 5.08 ug/ml
RT: 6.551 min Scan# 1742
Delta R.T. 0.000 min
Lab File: AP91206.D
Acq: 6 Dec 2024 12:28 pm

Tgt Ion:154 Resp: 99650

Ion	Ratio	Lower	Upper
154	100		
153	42.0	32.3	48.5
152	29.7	22.5	33.7

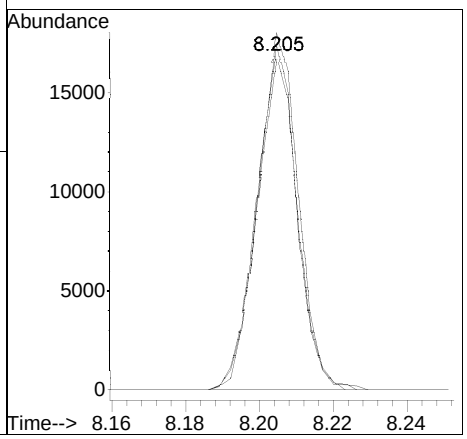


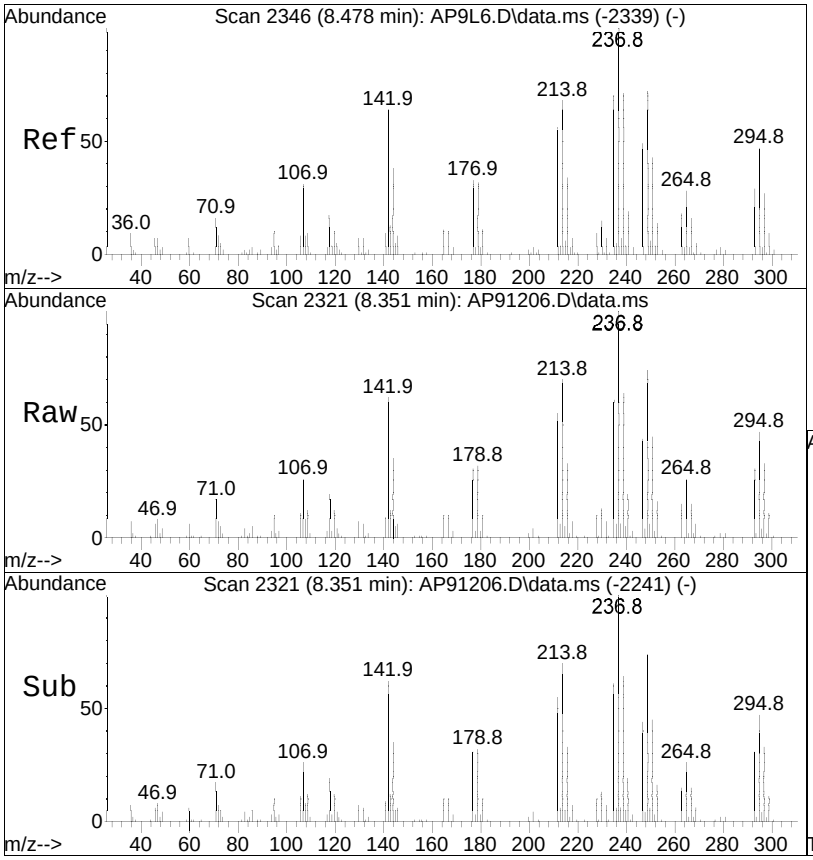


#86
Dichloran
Concen: 5.39 ug/ml
RT: 8.205 min Scan# 2274
Delta R.T. 0.000 min
Lab File: AP91206.D
Acq: 6 Dec 2024 12:28 pm

Tgt Ion:206 Resp: 13630

Ion	Ratio	Lower	Upper
206	100		
176	92.0	104.6	157.0#
124	95.6	130.5	195.7#

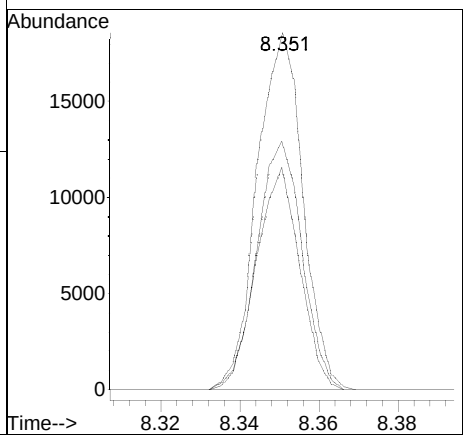


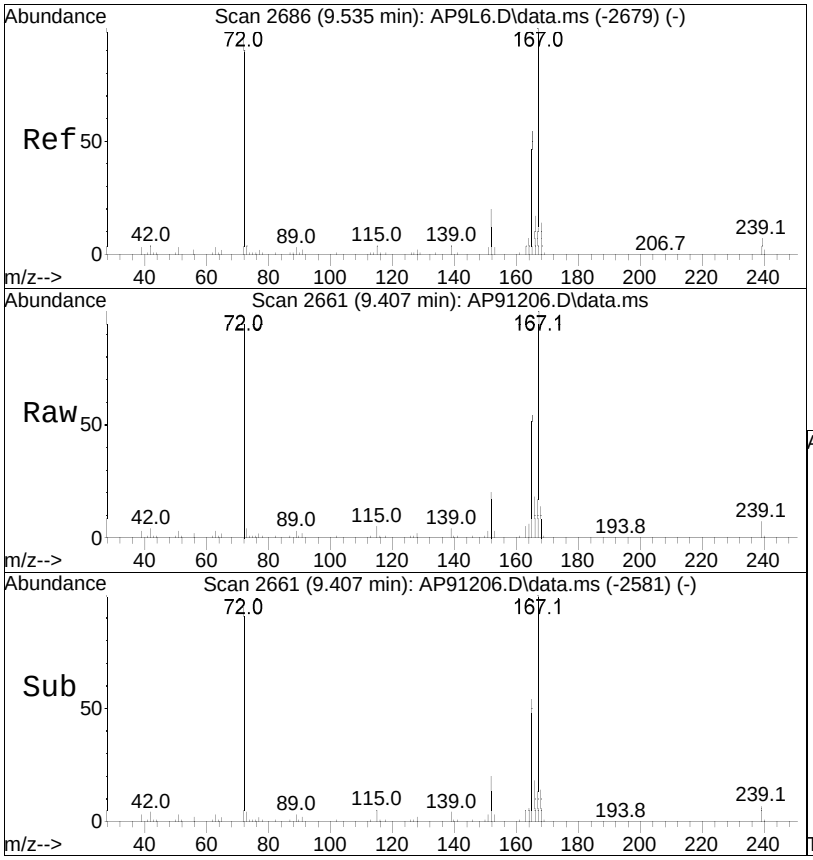


#87
Pentachloronitrobenzene
Concen: 5.33 ug/ml
RT: 8.351 min Scan# 2321
Delta R.T. 0.000 min
Lab File: AP91206.D
Acq: 6 Dec 2024 12:28 pm

Tgt Ion:237 Resp: 14874

Ion	Ratio	Lower	Upper
237	100		
142	59.5	77.0	115.4#
214	68.7	58.2	87.4

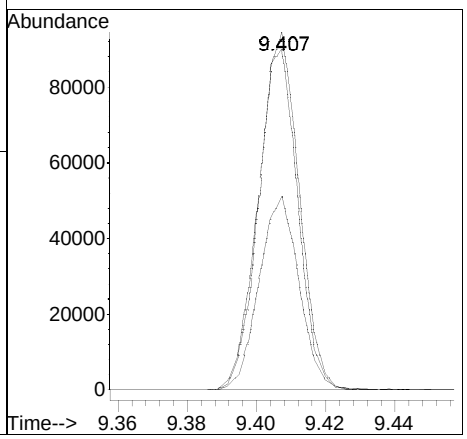




#101
Diphenamid
Concen: 5.34 ug/ml
RT: 9.407 min Scan# 2661
Delta R.T. 0.000 min
Lab File: AP91206.D
Acq: 6 Dec 2024 12:28 pm

Tgt Ion:167 Resp: 74674

Ion	Ratio	Lower	Upper
167	100		
72	96.3	109.7	164.5#
165	54.9	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\Dakota\241206RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: AP91206.D	Operator	: Dakota:slr
Date Inj'd	: 12/6/2024 12:28 pm	Instrument	: Dakota
Sample	: WG2006161-4,32,,AP9 11152	Quant Date	: 12/6/2024 12:51 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241206RVT\
Data File : ADP1206.D
Acq On : 6 Dec 2024 12:51 pm
Operator : Dakota:slr
Sample : WG2006161-5,32,,ADP 11153 gmr1109C
Misc : WG2006161,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 06 13:15:46 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 13:17:07 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	79	0.00
33	T	1,4-Dioxane		0.381	0.398	-4.5	77	0.00
35	T	n-Decane		1.048	1.046	0.2	75	0.00
88	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	86	0.00
89	T	Atrazine		0.343	0.331	3.5	83	0.00
102	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	86	0.00
103	T	n-Octadecane		0.334	0.320	4.2	83	0.00
104	T	Parathion	*	5.000	4.912	1.8	95	0.00
105	T	3,3'-Dimethylbenzidine		0.728	0.726	0.3	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\241206RVT\
Data File : ADP1206.D
Acq On : 6 Dec 2024 12:51 pm
Operator : Dakota:slr
Sample : WG2006161-5,32,,ADP 11153 gmr1109C
Misc : WG2006161,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 06 13:15:46 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 13:17:07 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...	4.149	152	21258	4.000	ug/ml	0.00
88)	IS3_Acenaphthene-d10	7.079	164	52005	4.000	ug/ml	0.00
102)	IS3_Phenanthrene-d10	8.487	188	115732	4.000	ug/ml	0.00
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.267	88	10567	5.220	ug/ml#	83
35)	n-Decane	4.055	57	27787	4.988	ug/ml#	31
89)	Atrazine	8.298	200	21539	4.829	ug/ml	90
103)	n-Octadecane	8.509	57	46283	4.794	ug/ml#	1
104)	Parathion	9.289	109	11828	4.912	ug/ml	90
105)	3,3'-Dimethylbenzidine	10.526	212	104974	4.983	ug/ml	98

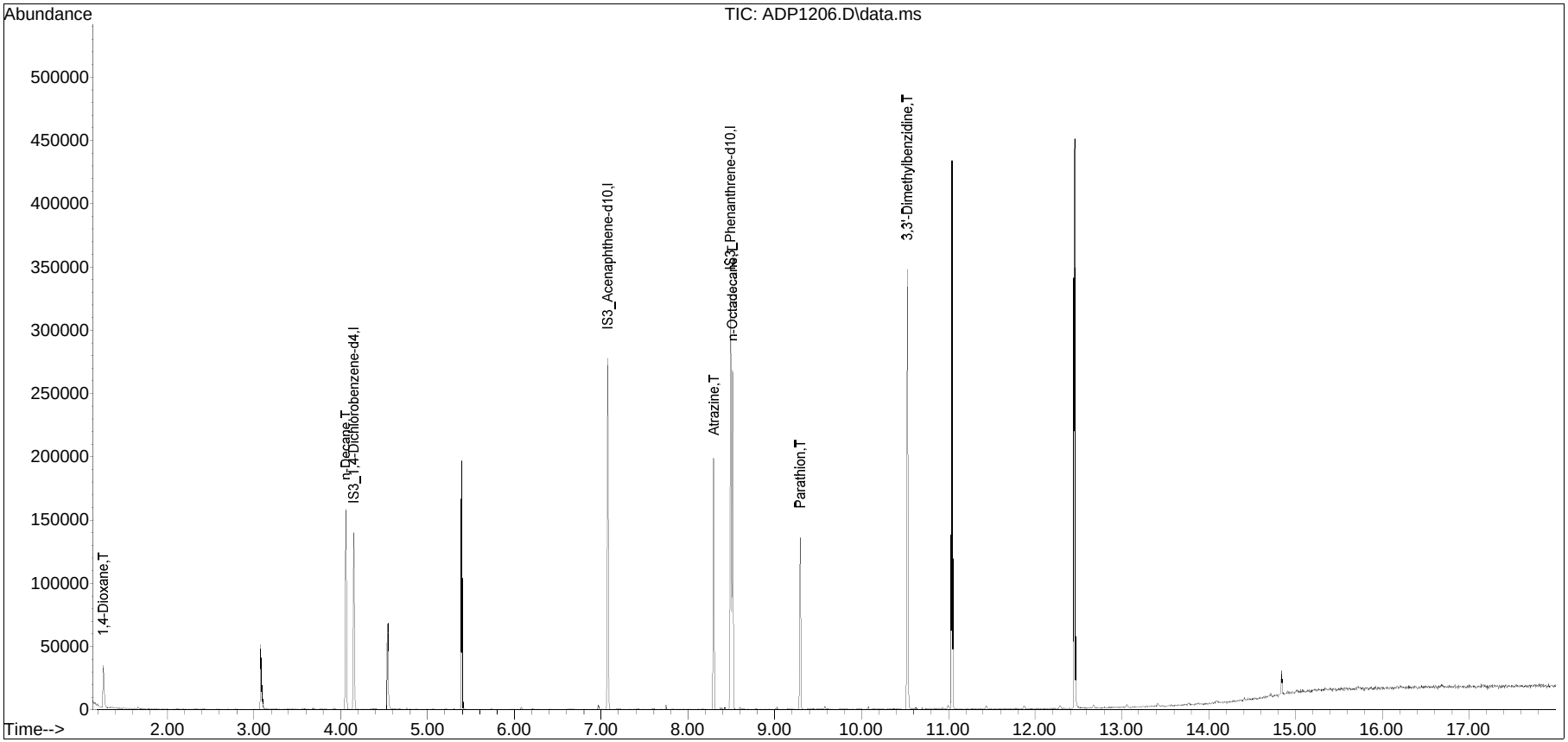
(#) = qualifier out of range (m) = manual integration (+) = signals summed

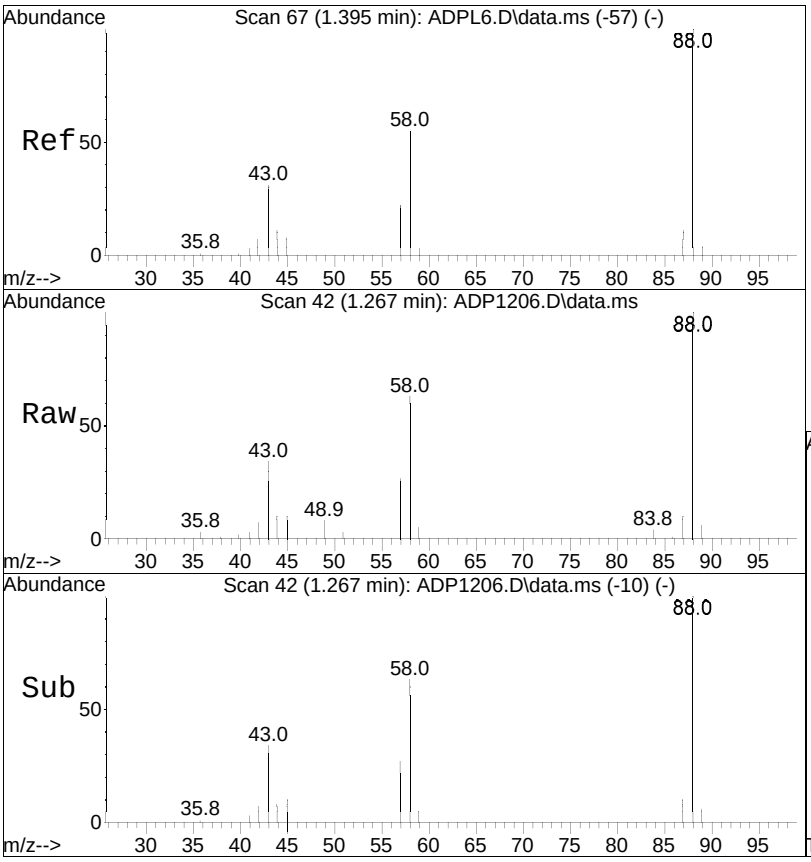
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241206RVT\
Data File : ADP1206.D
Acq On : 6 Dec 2024 12:51 pm
Operator : Dakota:slr
Sample : WG2006161-5,32,,ADP 11153 gmr1109C
Misc : WG2006161,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Dec 06 13:15:46 2024
Quant Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 06 13:17:07 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

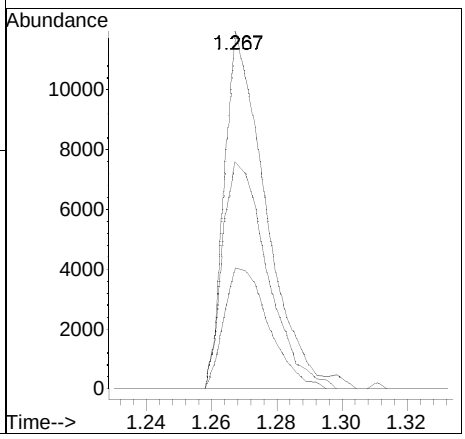


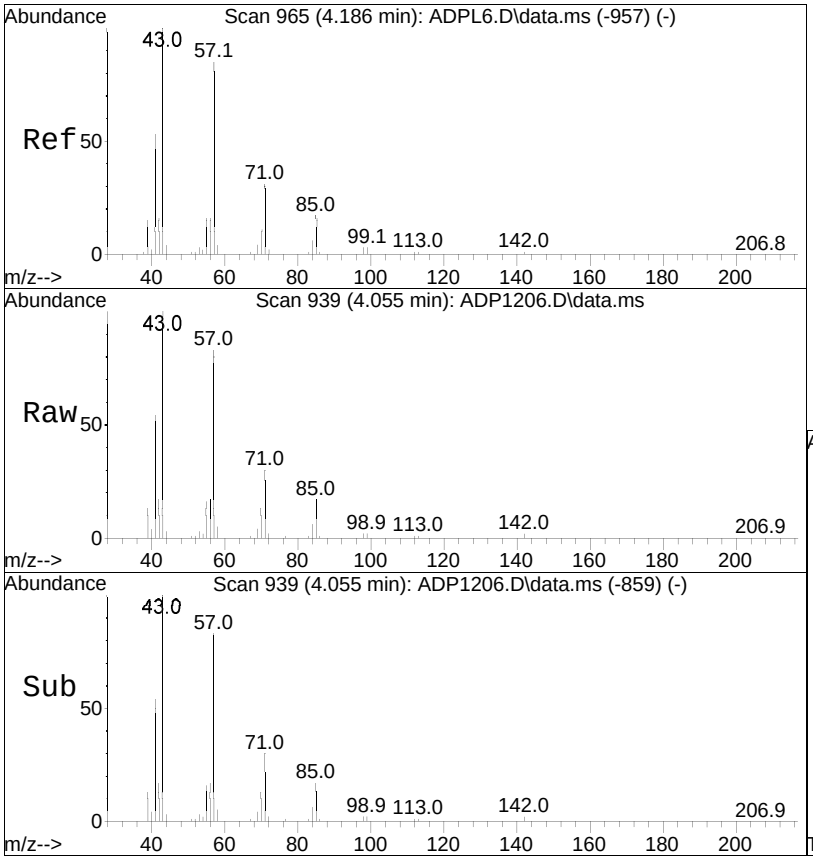


#33
1,4-Dioxane
Concen: 5.22 ug/ml
RT: 1.267 min Scan# 42
Delta R.T. 0.000 min
Lab File: ADP1206.D
Acq: 6 Dec 2024 12:51 pm

Tgt Ion: 88 Resp: 10567

Ion	Ratio	Lower	Upper
88	100		
58	68.7	44.8	67.2#
43	36.8	22.4	33.6#

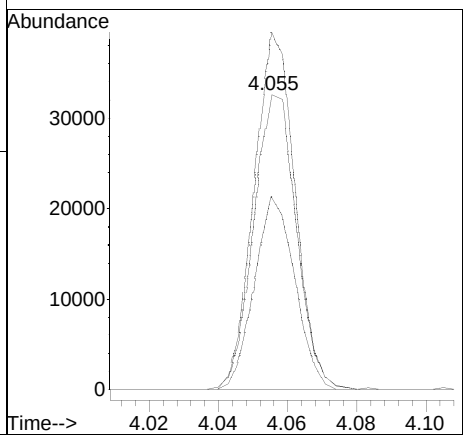


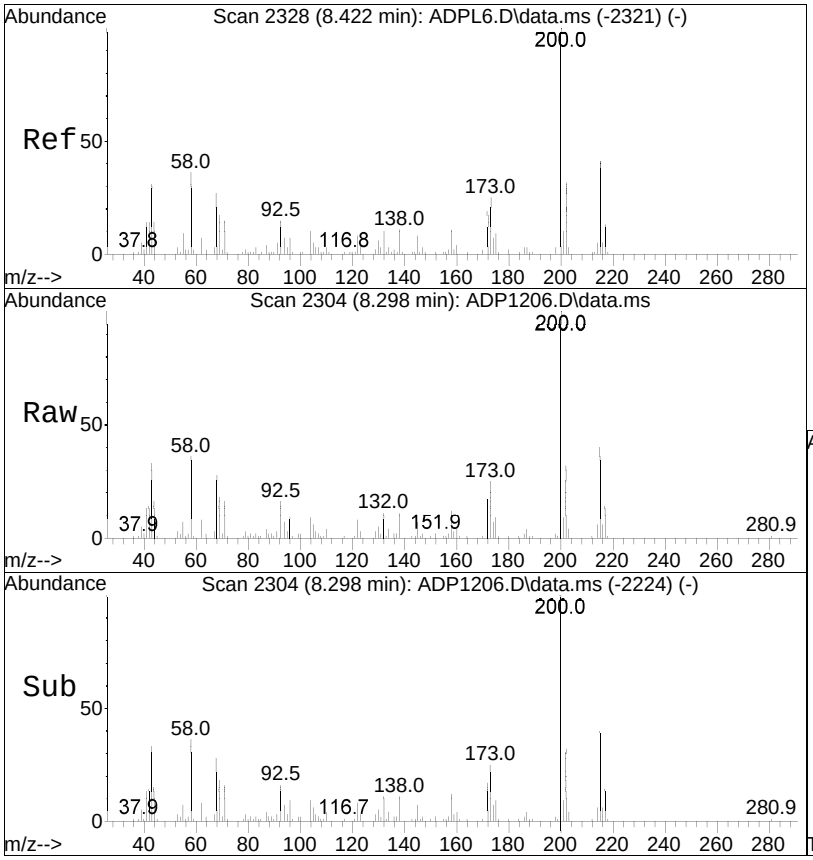


#35
n-Decane
Concen: 4.99 ug/ml
RT: 4.055 min Scan# 939
Delta R.T. 0.000 min
Lab File: ADP1206.D
Acq: 6 Dec 2024 12:51 pm

Tgt Ion: 57 Resp: 27787

Ion	Ratio	Lower	Upper
57	100		
43	116.3	0.2	0.2#
41	62.2	0.2	0.2#

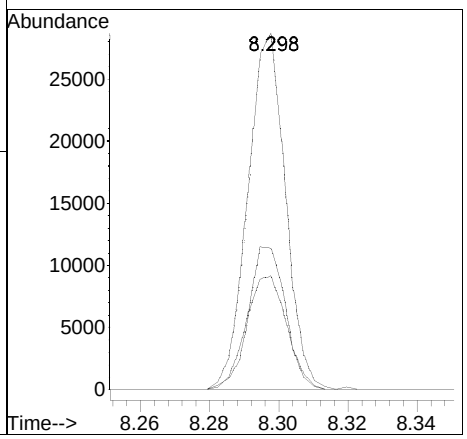


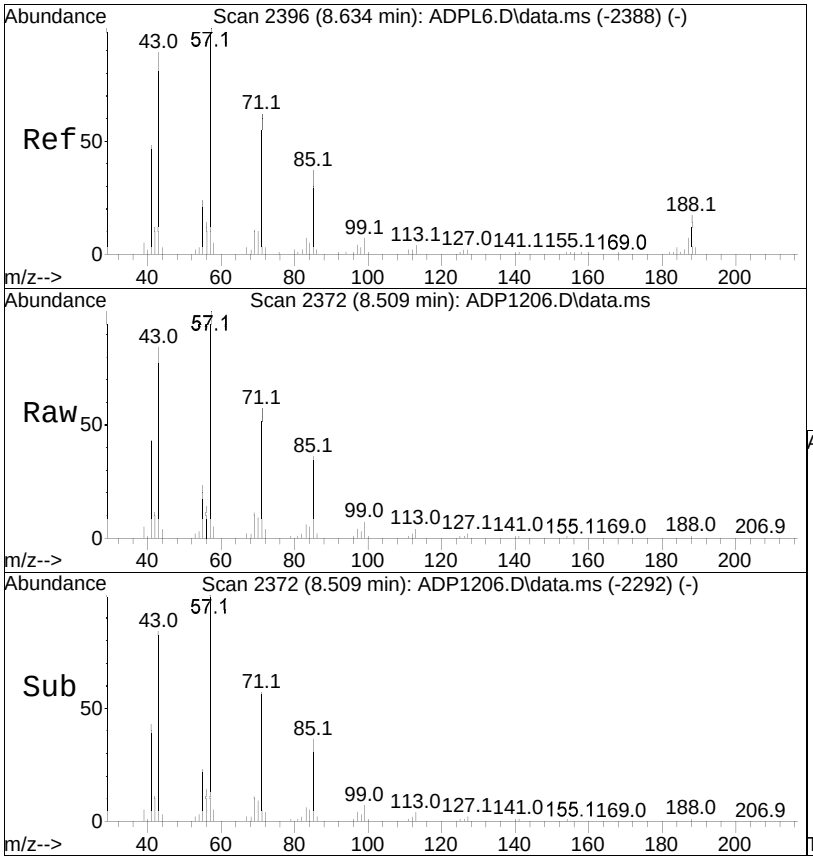


#89
Atrazine
Concen: 4.83 ug/ml
RT: 8.298 min Scan# 2304
Delta R.T. 0.000 min
Lab File: ADP1206.D
Acq: 6 Dec 2024 12:51 pm

Tgt Ion:200 Resp: 21539

Ion	Ratio	Lower	Upper
200	100		
202	34.1	25.8	38.6
215	40.4	40.2	60.4

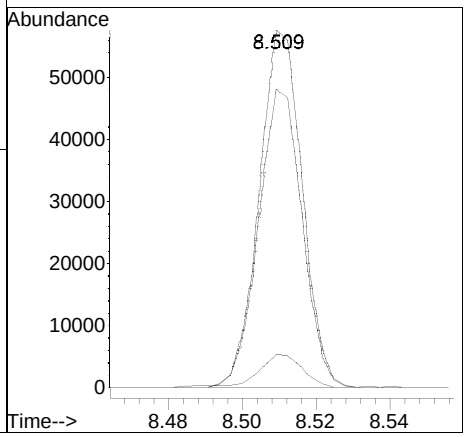


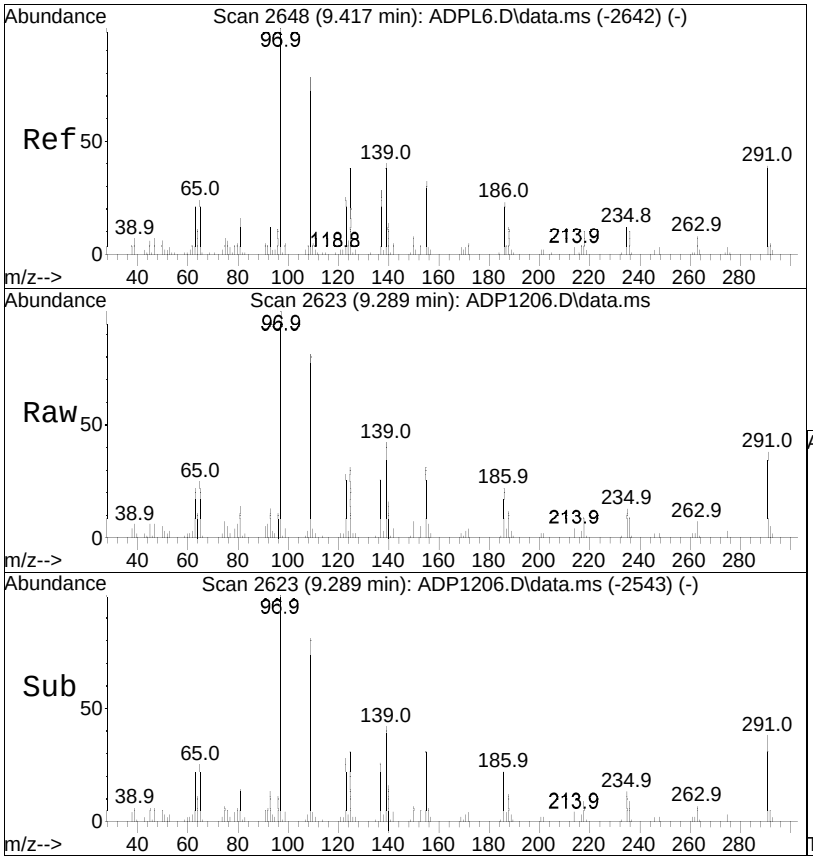


#103
n-Octadecane
Concen: 4.79 ug/ml
RT: 8.509 min Scan# 2372
Delta R.T. 0.000 min
Lab File: ADP1206.D
Acq: 6 Dec 2024 12:51 pm

Tgt Ion: 57 Resp: 46283

Ion	Ratio	Lower	Upper
57	100		
43	84.8	9.0	13.6#
70	9.5	0.2	0.2#

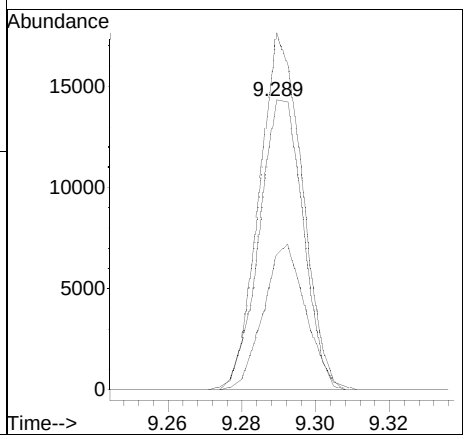


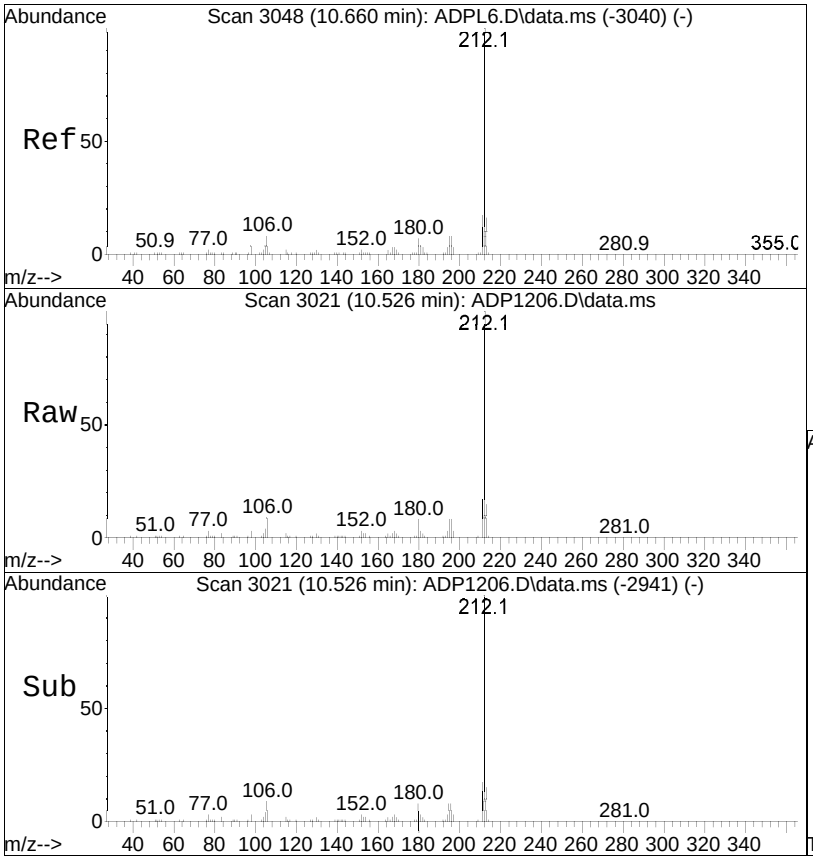


#104
Parathion
Concen: 4.91 ug/ml
RT: 9.289 min Scan# 2623
Delta R.T. 0.000 min
Lab File: ADP1206.D
Acq: 6 Dec 2024 12:51 pm

Tgt Ion:109 Resp: 11828

Ion	Ratio	Lower	Upper
109	100		
97	119.7	87.4	131.2
291	48.2	34.2	51.2

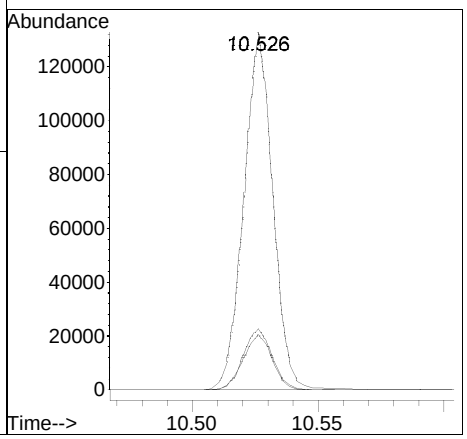




#105
3,3'-Dimethylbenzidine
Concen: 4.98 ug/ml
RT: 10.526 min Scan# 3021
Delta R.T. 0.000 min
Lab File: ADP1206.D
Acq: 6 Dec 2024 12:51 pm

Tgt Ion:212 Resp: 104974

Ion	Ratio	Lower	Upper
212	100		
211	17.2	12.9	19.3
213	15.6	13.2	19.8



Manual Integration Report

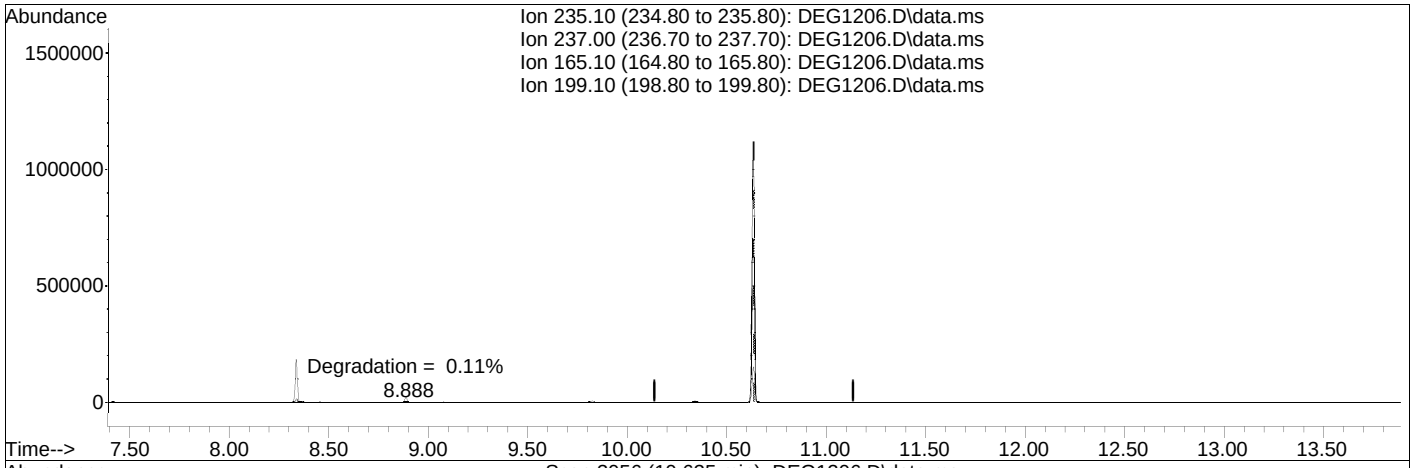
Data Path	: I:\8270\Dakota\241206RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: ADP1206.D	Operator	: Dakota:slr
Date Inj'd	: 12/6/2024 12:51 pm	Instrument	: Dakota
Sample	: WG2006161-5,32,,ADP 11153	Quant Date	: 12/6/2024 1:17 pm

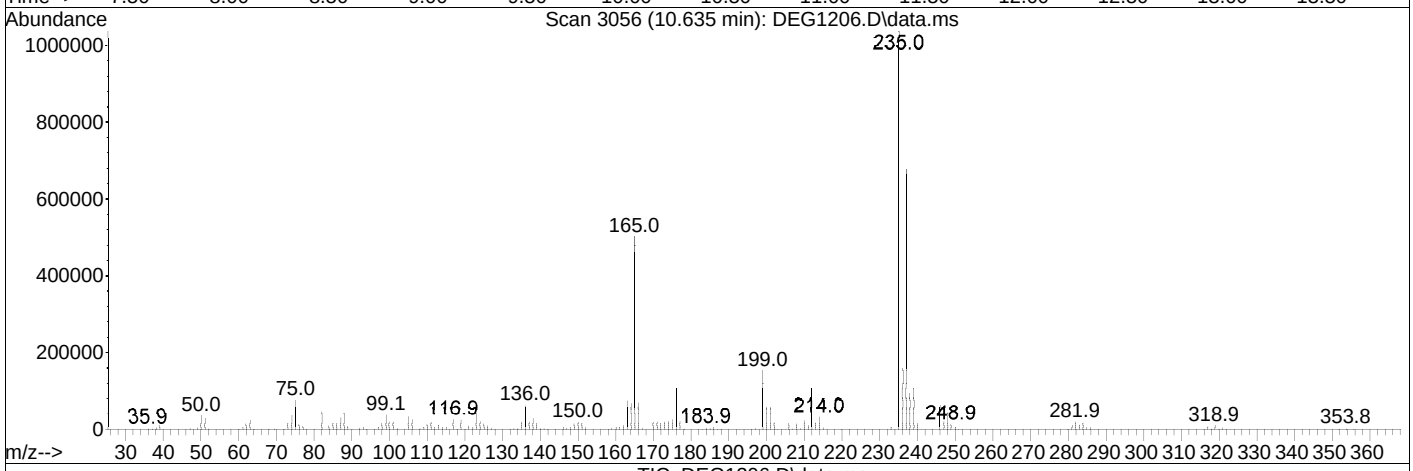
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241206RVT\
Data File : DEG1206.D
Acq On : 6 Dec 2024 11:43 am
Operator : Dakota:slr
Sample : WG2006161-2,32,,Degdftpp Lot # 11163
Misc : WG2006161,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 06 12:02:47 2024
Quant Method : I:\8270\Dakota\241206RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 22:42:58 2024
Response via : Initial Calibration





TIC: DEG1206.D\data.ms

(6) DDT (T)

10.635min (-0.003) 149.48

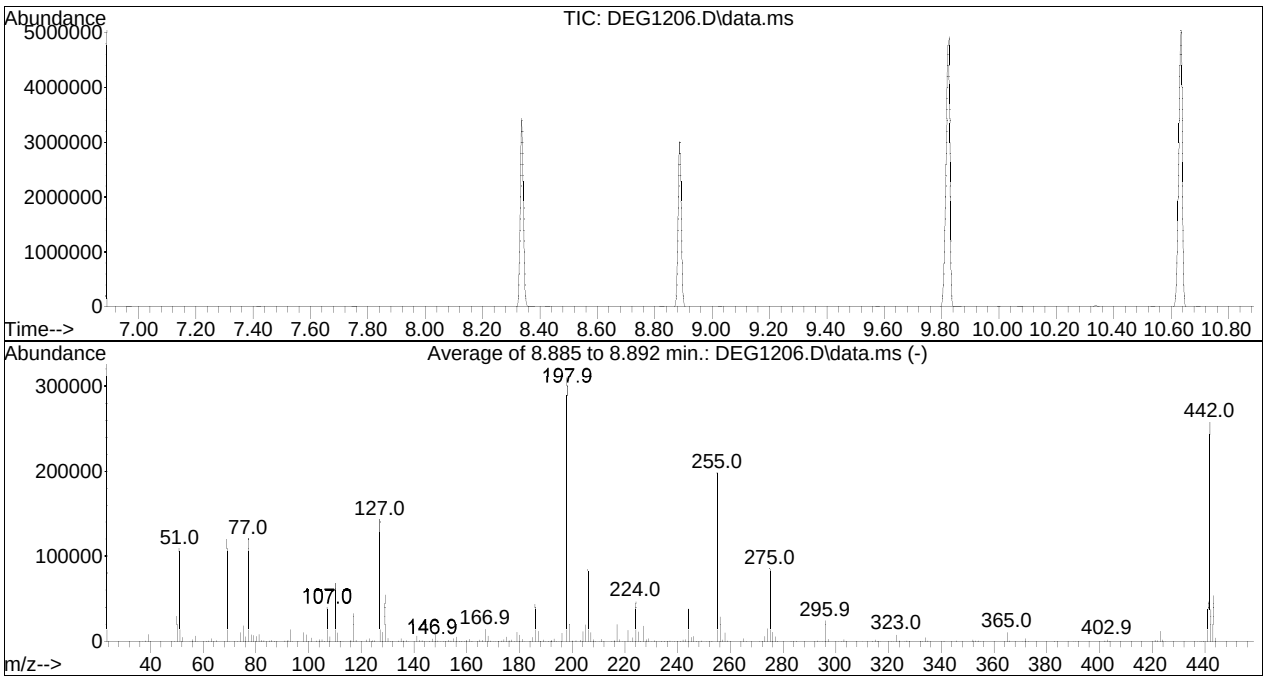
response 911180

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.44
165.10	48.70	48.54
199.10	15.80	14.68

Data Path : I:\8270\Dakota\241206RVT\
Data File : DEG1206.D
Acq On : 6 Dec 2024 11:43 am
Operator : Dakota:gmr
Sample : WG2006161-1,32,,Degdftpp Lot # 11163
Misc : WG2006161,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241206RVT\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Dec 06 12:41:17 2024



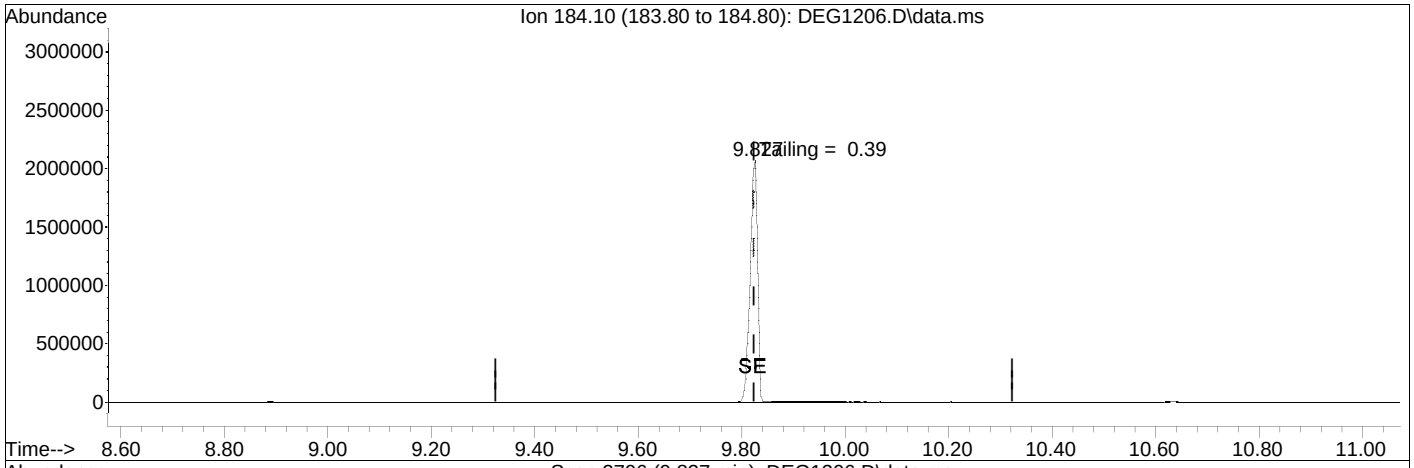
Spectrum Information: Average of 8.885 to 8.892 min.

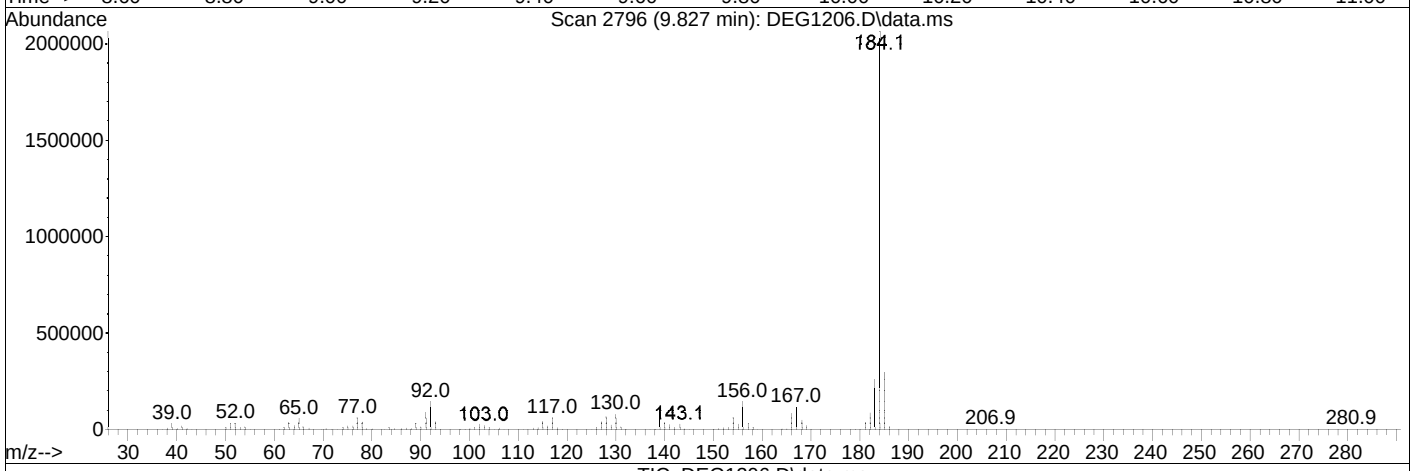
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.2	109019	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	119616	PASS
70	69	0.00	2	0.4	505	PASS
127	198	10	80	46.1	142997	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	309931	PASS
199	198	5	9	6.7	20771	PASS
275	198	10	60	27.5	85307	PASS
365	198	1	100	3.5	10943	PASS
441	442	0.01	24	18.2	46859	PASS
442	198	50	100	83.2	257792	PASS
443	442	15	24	20.8	53520	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241206RVT\
Data File : DEG1206.D
Acq On : 6 Dec 2024 11:43 am
Operator : Dakota:slr
Sample : WG2006161-6,32,,Degdftpp Lot # 11163
Misc : WG2006161,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 06 12:02:47 2024
Quant Method : I:\8270\Dakota\241206RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 22:42:58 2024
Response via : Initial Calibration





TIC: DEG1206.D\data.ms

(3) Benzidine (T)

9.827min (+ 0.003) 191.94

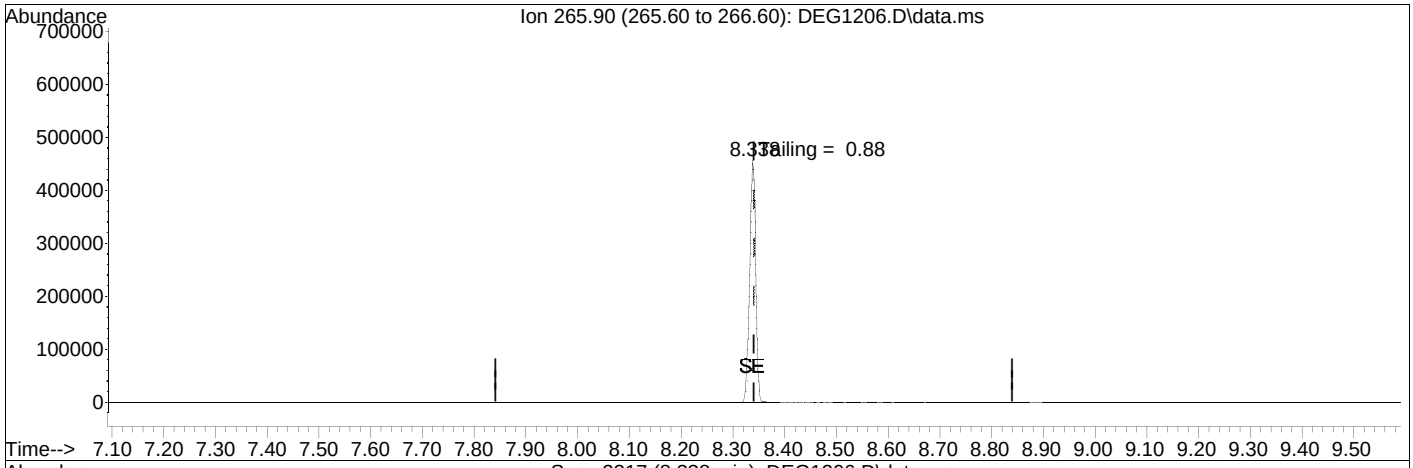
response 1953946

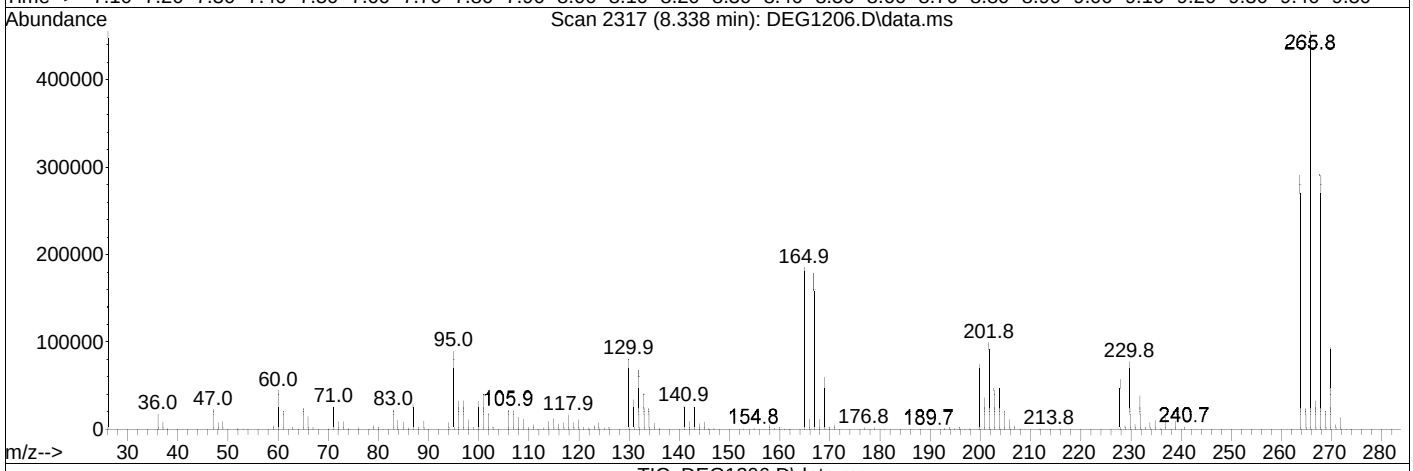
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241206RVT\
Data File : DEG1206.D
Acq On : 6 Dec 2024 11:43 am
Operator : Dakota:slr
Sample : WG2006161-7,32,,Degdftpp Lot # 11163
Misc : WG2006161,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 06 12:02:47 2024
Quant Method : I:\8270\Dakota\241206RVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 22:42:58 2024
Response via : Initial Calibration





TIC: DEG1206.D\data.ms

(1) Pentachlorophenol (T)

8.338min (-0.003) 167.65

response 352131

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

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-1.D
Acq On : 5 Dec 2024 12:41 pm
Operator : Dakota:ek
Sample : WG2005369-1,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 19:42:16 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	20480	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 83.25%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	20480	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 81.95%				
32) IS3_1,4-Dichlorobenzen...	4.152	152	20480	4.000	ug/ml		0.00
Standard Area 2 = 21809			Recovery = 93.91%				
37) IS1_Naphthalene-d8	5.392	136	74380	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 77.32%				
57) IS2_Naphthalene-d8	5.392	136	74380	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 77.77%				
65) IS1_Acenaphthene-d10	7.080	164	46884	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 75.54%				
85) IS2_Acenaphthene-d10	7.080	164	46884	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 75.77%				
88) IS3_Acenaphthene-d10	7.080	164	46884	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 89.44%				
90) IS1_Phenanthrene-d10	8.491	188	104149	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 76.40%				
102) IS3_Phenanthrene-d10	8.491	188	104149	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 88.04%				
106) IS1_Chrysene-d12	11.046	240	124925	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 75.76%				
115) IS1_Perylene-d12	12.454	264	153967	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 78.35%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.859	112	5463	1.038	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 51.90%				
7) Phenol-d6	3.872	99	4965	0.736	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 36.80%				
19) Nitrobenzene-d5	4.708	82	4919	0.804	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 80.40%				
48) 2-Fluorobiphenyl	6.468	172	14565	0.791	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.10%				
81) 2,4,6-Tribromophenol	7.838	330	5339	1.593	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 79.65%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-1.D
Acq On : 5 Dec 2024 12:41 pm
Operator : Dakota:ek
Sample : WG2005369-1,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 19:42:16 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.061	244	26941	0.894	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 89.40%

Target Compounds				Qvalue
6) 2-Chlorophenol	0.000	0	N.D.	
8) Phenol	0.000	0	N.D.	
9) Bis(2-chloroethyl)ether	0.000	0	N.D.	
10) 1,3-Dichlorobenzene	0.000	0	N.D.	
11) 1,4-Dichlorobenzene	0.000	0	N.D.	
12) 1,2-Dichlorobenzene	0.000	0	N.D.	
13) Benzyl alcohol	0.000	0	N.D.	
14) Bis(2-chloroisopropyl)...	0.000	0	N.D.	
15) 2-Methylphenol	0.000	0	N.D.	
16) Hexachloroethane	0.000	0	N.D.	
17) n-Nitrosodi-n-propylamine	0.000	0	N.D.	d
18) 3-Methylphenol/4-Methy...	0.000	0	N.D.	
20) Nitrobenzene	0.000	0	N.D.	
21) Isophorone	0.000	0	N.D.	
22) 2-Nitrophenol	0.000	0	N.D.	
23) 2,4-Dimethylphenol	0.000	0	N.D.	
24) Bis(2-chloroethoxy)met...	0.000	0	N.D.	
25) 2,4-Dichlorophenol	0.000	0	N.D.	
26) 1,2,4-Trichlorobenzene	0.000	0	N.D.	
29) Acetophenone	0.000	0	N.D.	
38) Naphthalene	0.000	0	N.D.	
39) Benzoic Acid	0.000	0	N.D.	
40) 4-Chloroaniline	0.000	0	N.D.	
41) Hexachlorobutadiene	0.000	0	N.D.	
42) p-Chloro-m-cresol	0.000	0	N.D.	
43) 2-Methylnaphthalene	0.000	0	N.D.	
45) Hexachlorocyclopentadiene	0.000	0	N.D.	
46) 2,4,6-Trichlorophenol	0.000	0	N.D.	
47) 2,4,5-Trichlorophenol	0.000	0	N.D.	
49) 2-Chloronaphthalene	0.000	0	N.D.	
50) 2-Nitroaniline	0.000	0	N.D.	
53) Dimethyl phthalate	0.000	0	N.D.	d
54) Acenaphthylene	0.000	0	N.D.	

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-1.D
Acq On : 5 Dec 2024 12:41 pm
Operator : Dakota:ek
Sample : WG2005369-1,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 19:42:16 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
67) Acenaphthene	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		
75) Fluorene	0.000		0	N.D.		
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
79) NDPA/DPA	0.000		0	N.D.		
82) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
83) Hexachlorobenzene	0.000		0	N.D.		
84) Pentachlorophenol	0.000		0	N.D.		
91) Phenanthrene	0.000		0	N.D.		
92) Anthracene	0.000		0	N.D.		
93) Carbazole	0.000		0	N.D.		
94) Di-n-butylphthalate	0.000		0	N.D.	d	
95) Fluoranthene	0.000		0	N.D.		
97) Pyrene	0.000		0	N.D.		
99) Butyl benzyl phthalate	0.000		0	N.D.		
107) Benzo(a)anthracene	0.000		0	N.D.		
108) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
109) Chrysene	0.000		0	N.D.		
110) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111) Di-n-octylphthalate	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.		
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.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-1.D
Acq On : 5 Dec 2024 12:41 pm
Operator : Dakota:ek
Sample : WG2005369-1,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 19:42:16 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

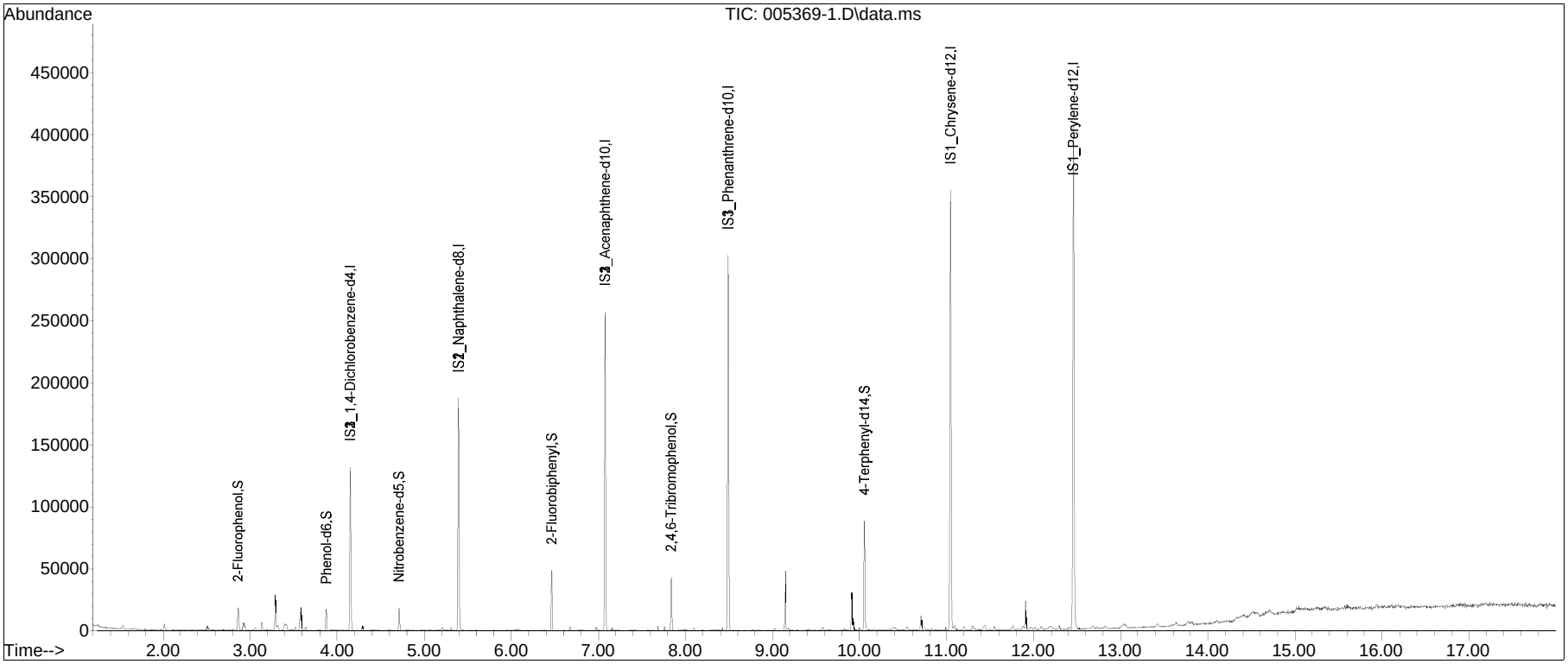
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-1.D
Acq On : 5 Dec 2024 12:41 pm
Operator : Dakota:ek
Sample : WG2005369-1,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 19:42:16 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA5RVT\AP91205.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241205RVT\	QMethod	: FS241105RVT_Dakota.m
Data File	: 005369-1.D	Operator	: Dakota:ek
Date Inj'd	: 12/5/2024 12:41 pm	Instrument	: Dakota
Sample	: WG2005369-1,32,,HNY	Quant Date	: 12/5/2024 12:59 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-2.D
Acq On : 5 Dec 2024 11:56 am
Operator : Dakota:ek
Sample : WG2005369-2,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 19:43:08 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	21426	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 87.09%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	21426	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 85.74%				
32) IS3_1,4-Dichlorobenzen...	4.152	152	21426	4.000	ug/ml		0.00
Standard Area 2 = 21809			Recovery = 98.24%				
37) IS1_Naphthalene-d8	5.392	136	80857	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 84.06%				
57) IS2_Naphthalene-d8	5.392	136	80857	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 84.54%				
65) IS1_Acenaphthene-d10	7.083	164	53852	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 86.76%				
85) IS2_Acenaphthene-d10	7.083	164	53852	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 87.03%				
88) IS3_Acenaphthene-d10	7.083	164	53852	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 102.73%				
90) IS1_Phenanthrene-d10	8.494	188	116247	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 85.28%				
102) IS3_Phenanthrene-d10	8.494	188	116247	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 98.27%				
106) IS1_Chrysene-d12	11.049	240	146142	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 88.63%				
115) IS1_Perylene-d12	12.460	264	179630	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 91.41%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.856	112	6351	1.153	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 57.65%				
7) Phenol-d6	3.869	99	5728	0.812	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 40.60%				
19) Nitrobenzene-d5	4.708	82	5538	0.865	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 86.50%				
48) 2-Fluorobiphenyl	6.467	172	15681	0.784	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 78.40%				
81) 2,4,6-Tribromophenol	7.841	330	7206	1.872	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 93.60%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-2.D
Acq On : 5 Dec 2024 11:56 am
Operator : Dakota:ek
Sample : WG2005369-2,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 19:43:08 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.063	244	30276	0.900	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 90.00%

Target Compounds						Qvalue
6) 2-Chlorophenol	3.950	128	11259	1.716	ug/ml#	88
8) Phenol	3.881	94	6621	0.870	ug/ml	92
9) Bis(2-chloroethyl)ether	3.931	93	9755	1.790	ug/ml	99
10) 1,3-Dichlorobenzene	4.093	146	10930	1.294	ug/ml	94
11) 1,4-Dichlorobenzene	4.167	146	11350	1.316	ug/ml	94
12) 1,2-Dichlorobenzene	4.317	146	11035	1.343	ug/ml	94
13) Benzyl alcohol	4.326	79	8033	1.612	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.469	45	17201	1.790	ug/ml#	67
15) 2-Methylphenol	4.475	108	9148	1.582	ug/ml	97
16) Hexachloroethane	4.640	117	4026	1.275	ug/ml#	60
17) n-Nitrosodi-n-propylamine	4.599	70	8341	1.805	ug/ml#	85
18) 3-Methylphenol/4-Methy...	4.634	108	9338	1.474	ug/ml	93
20) Nitrobenzene	4.727	77	11163	1.705	ug/ml	99
21) Isophorone	4.969	82	20626	1.714	ug/ml#	94
22) 2-Nitrophenol	5.041	139	5944	1.793	ug/ml#	86
23) 2,4-Dimethylphenol	5.140	107	7774	1.319	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.221	93	13942	1.859	ug/ml#	97
25) 2,4-Dichlorophenol	5.286	162	12599	1.830	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.355	180	10886	1.307	ug/ml	96
29) Acetophenone	4.568	105	16364	2.177	ug/ml#	81
38) Naphthalene	5.411	128	31793	1.430	ug/ml	98
39) Benzoic Acid	5.212	105	4157	0.903	ug/ml	88
40) 4-Chloroaniline	5.498	65	2543	1.040	ug/ml#	1
41) Hexachlorobutadiene	5.569	225	6395	1.224	ug/ml	97
42) p-Chloro-m-cresol	6.014	107	10572	1.804	ug/ml	89
43) 2-Methylnaphthalene	6.091	142	22410	1.456	ug/ml	94
45) Hexachlorocyclopentadiene	6.265	237	2802	0.509	ug/ml#	89
46) 2,4,6-Trichlorophenol	6.387	196	10508	1.814	ug/ml	97
47) 2,4,5-Trichlorophenol	6.418	196	12338	1.905	ug/ml	97
49) 2-Chloronaphthalene	6.551	162	25524	1.481	ug/ml	97
50) 2-Nitroaniline	6.676	138	7741	1.756	ug/ml#	79
53) Dimethyl phthalate	6.881	163	38539	1.924	ug/ml#	98
54) Acenaphthylene	6.940	152	40130	1.586	ug/ml	99

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-2.D
Acq On : 5 Dec 2024 11:56 am
Operator : Dakota:ek
Sample : WG2005369-2,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 19:43:08 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
55) 2,6-Dinitrotoluene	6.921	165	7243	1.937 ug/ml#	78
63) 1,2,4,5-Tetrachloroben...	6.262	216	13411	1.607 ug/ml	95
64) Biphenyl	6.554	154	31348	1.843 ug/ml	97
66) 3-Nitroaniline	7.070	138	3647	0.877 ug/ml#	91
67) Acenaphthene	7.111	154	24100	1.539 ug/ml	86
68) 2,4-Dinitrophenol	7.173	184	4636	1.831 ug/ml#	83
69) Dibenzofuran	7.282	168	44134	1.634 ug/ml	96
70) 2,4-Dinitrotoluene	7.303	165	9997	1.918 ug/ml#	77
71) 4-Nitrophenol	7.285	65	4311	1.391 ug/ml#	1
74) Diethyl phthalate	7.568	149	38057	1.795 ug/ml	97
75) Fluorene	7.608	166	34121	1.650 ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.639	204	17319	1.625 ug/ml#	87
77) 4-Nitroaniline	7.652	138	5718	1.422 ug/ml	85
78) 4,6-Dinitro-o-cresol	7.686	198	6688	2.123 ug/ml#	58
79) NDPA/DPA	7.754	169	29232	1.625 ug/ml	92
82) 4-Bromophenyl phenyl e...	8.099	248	11928	1.699 ug/ml#	80
83) Hexachlorobenzene	8.140	284	14942	1.691 ug/ml#	80
84) Pentachlorophenol	8.342	266	9490	1.981 ug/ml	97
91) Phenanthrene	8.516	178	62425	1.816 ug/ml	100
92) Anthracene	8.562	178	61835	1.834 ug/ml	98
93) Carbazole	8.743	167	60491	1.955 ug/ml	98
94) Di-n-butylphthalate	9.150	149	73961	2.109 ug/ml#	98
95) Fluoranthene	9.650	202	81743	1.978 ug/ml#	92
97) Pyrene	9.858	202	88500	2.004 ug/ml	99
99) Butyl benzyl phthalate	10.579	149	34653	2.307 ug/ml#	82
107) Benzo(a)anthracene	11.043	228	91857	1.855 ug/ml	99
108) 3,3'-Dichlorobenzidine	11.058	252	6185	0.335 ug/ml	95
109) Chrysene	11.077	228	91870	1.864 ug/ml	98
110) Bis(2-ethylhexyl)phtha...	11.204	149	54678	2.060 ug/ml#	87
111) Di-n-octylphthalate	11.860	149	91044	2.057 ug/ml#	72
112) Benzo(b)fluoranthene	12.106	252	105131	2.027 ug/ml#	93
113) Benzo(k)fluoranthene	12.130	252	99096M3	1.961 ug/ml	
114) Benzo(a)pyrene	12.404	252	91224M3	1.971 ug/ml	
116) Indeno(1,2,3-cd)pyrene	13.389	276	105450	1.903 ug/mL#	90
117) Dibenzo(a,h)anthracene	13.417	278	106526	1.956 ug/ml#	89
118) Benzo(ghi)perylene	13.597	276	101146	1.889 ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-2.D
Acq On : 5 Dec 2024 11:56 am
Operator : Dakota:ek
Sample : WG2005369-2,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 19:43:08 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

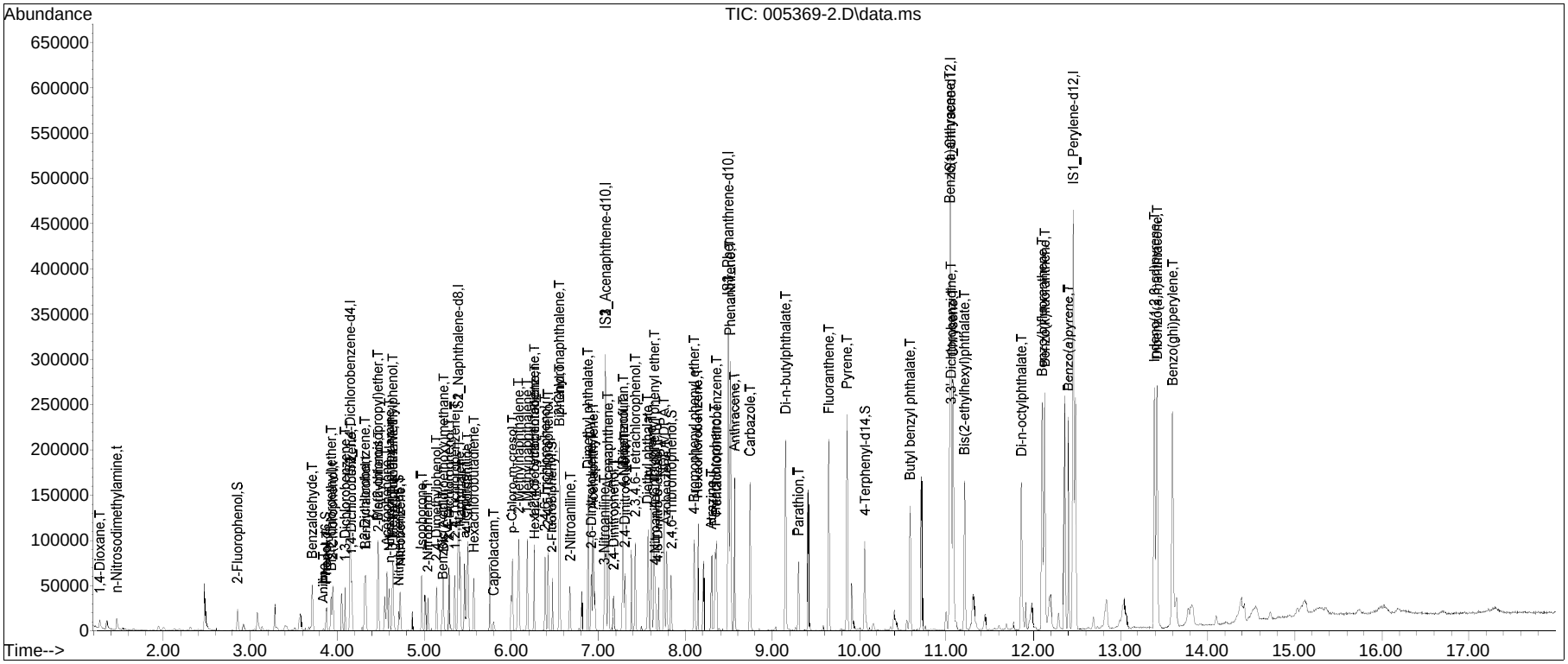
(#) = qualifier out of range (m) = manual integration (+) = signals summed

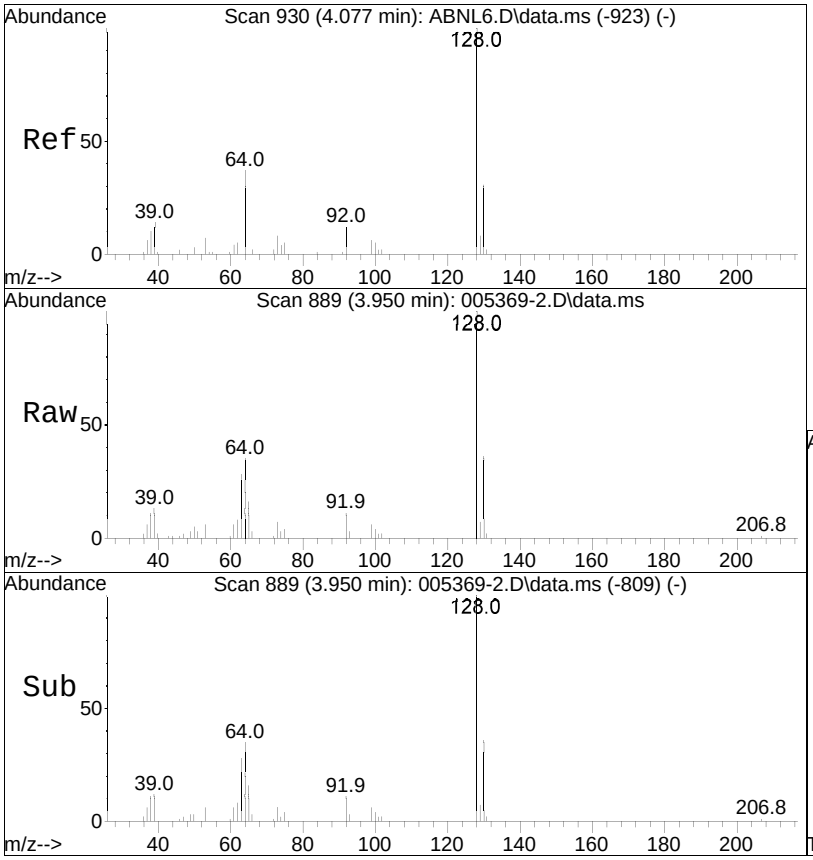
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-2.D
Acq On : 5 Dec 2024 11:56 am
Operator : Dakota:ek
Sample : WG2005369-2,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 19:43:08 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA5RVT\AP91205.D•

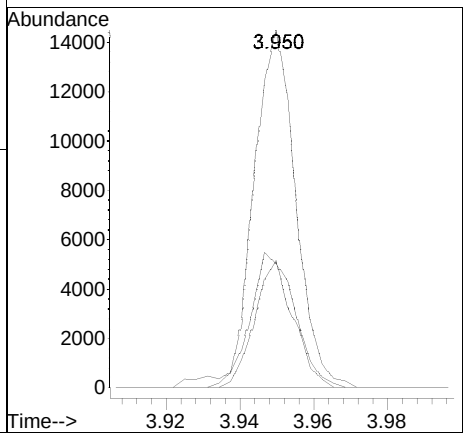


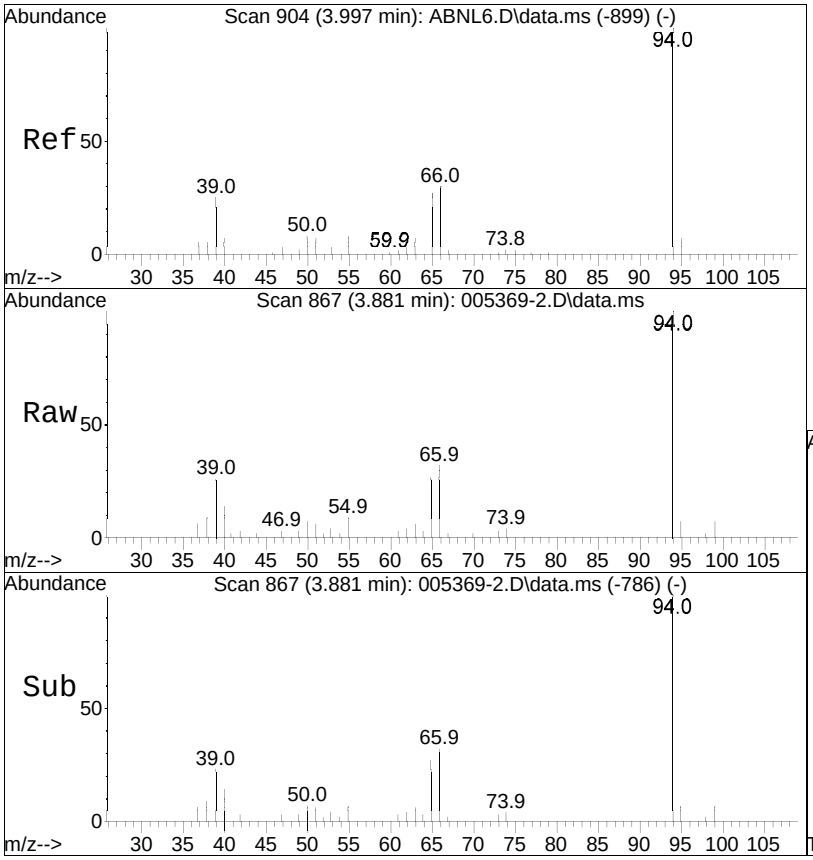


#6
2-Chlorophenol
Concen: 1.72 ug/ml
RT: 3.950 min Scan# 889
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:128 Resp: 11259

Ion	Ratio	Lower	Upper
128	100		
64	42.6	45.1	67.7#
130	33.4	26.2	39.4

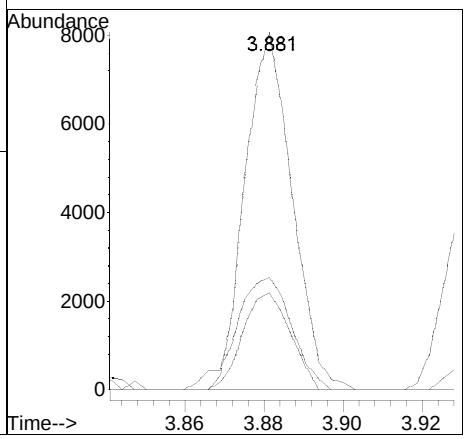


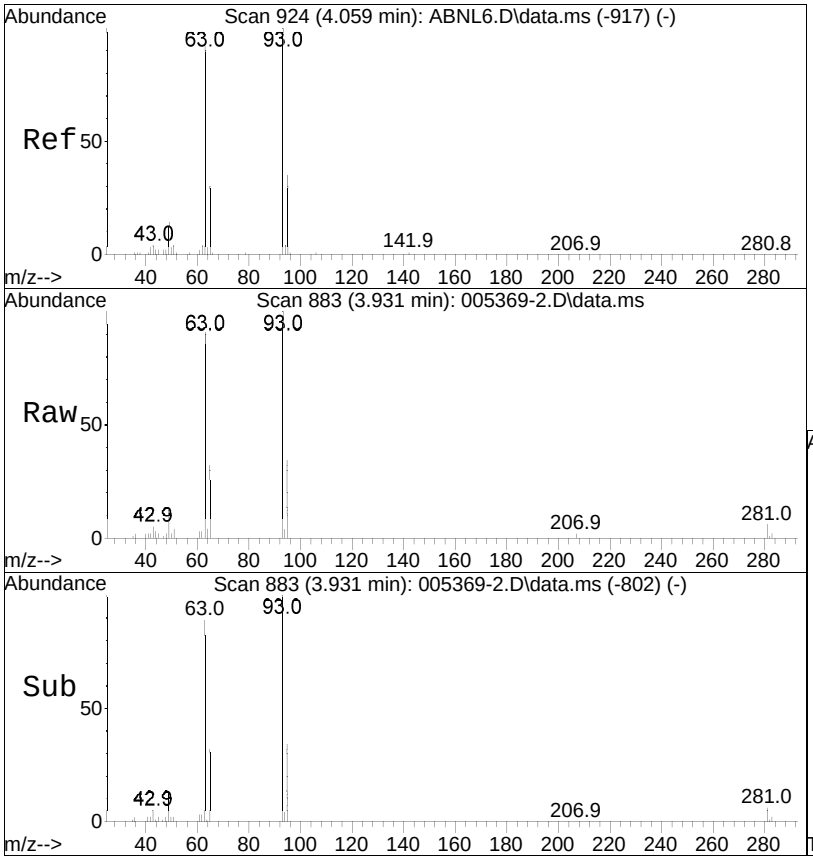


#8
Phenol
Concen: 0.87 ug/ml
RT: 3.881 min Scan# 867
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion: 94 Resp: 6621

Ion	Ratio	Lower	Upper
94	100		
65	27.6	26.0	39.0
66	37.5	33.8	50.8

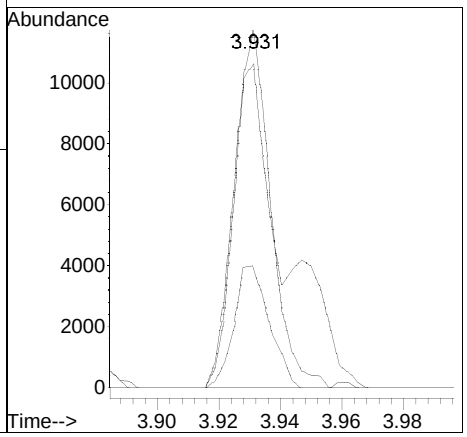


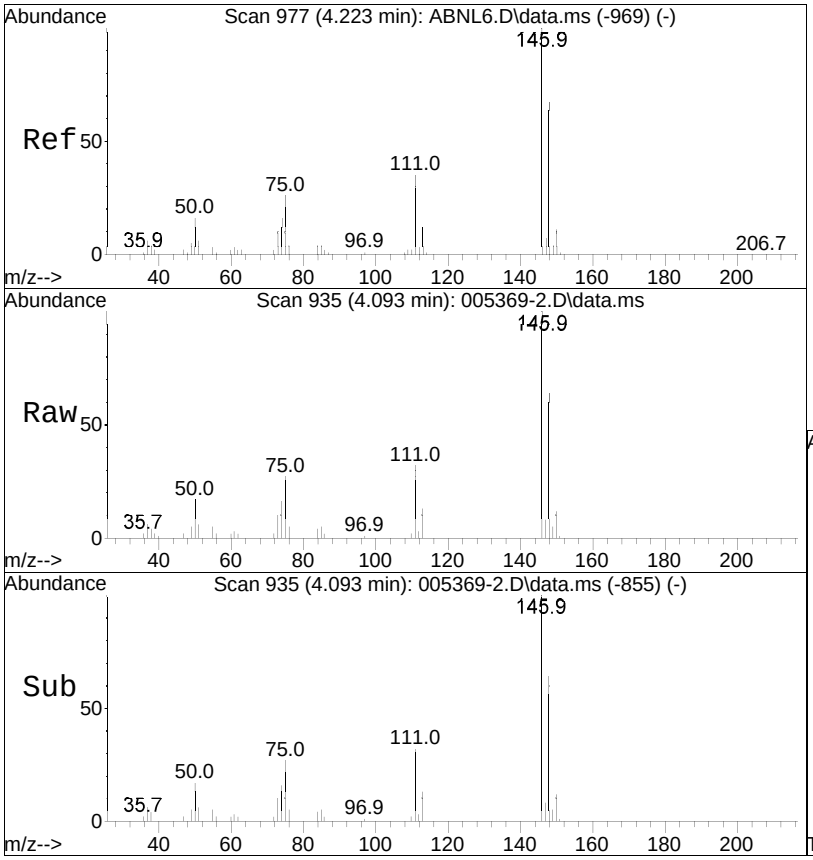


#9
Bis(2-chloroethyl)ether
Concen: 1.79 ug/ml
RT: 3.931 min Scan# 883
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion: 93 Resp: 9755

Ion	Ratio	Lower	Upper
93	100		
63	94.7	74.6	111.8
95	32.6	25.9	38.9

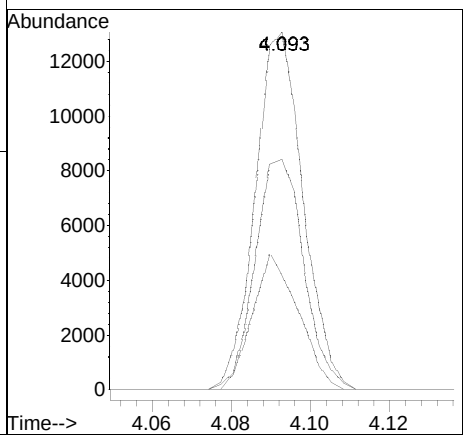


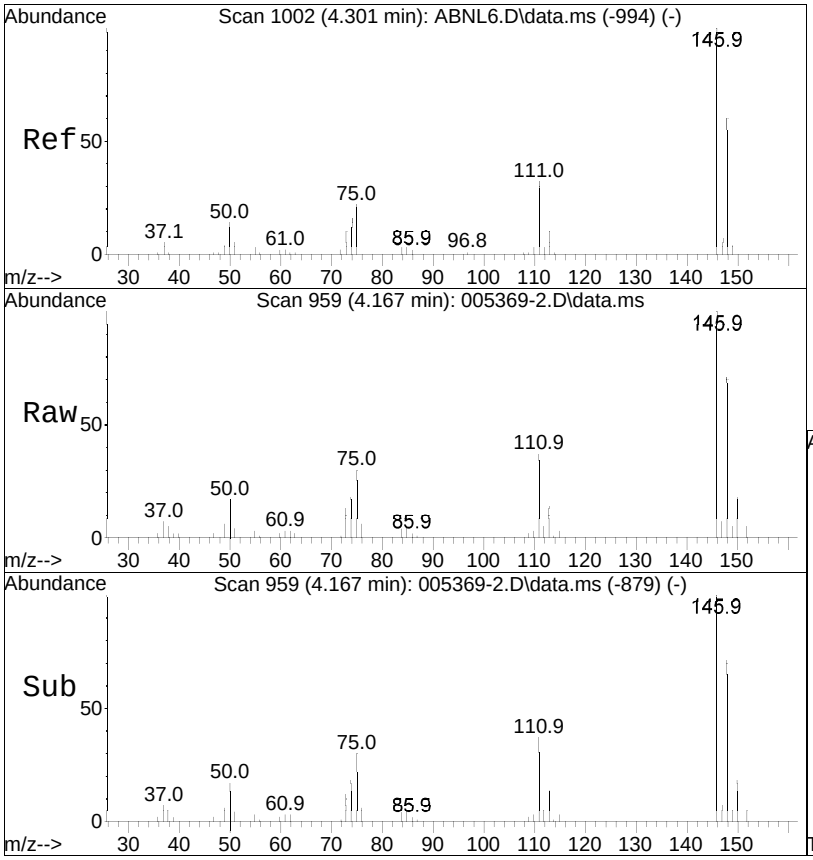


#10
1,3-Dichlorobenzene
Concen: 1.29 ug/ml
RT: 4.093 min Scan# 935
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:146 Resp: 10930

Ion	Ratio	Lower	Upper
146	100		
111	36.5	34.3	51.5
148	65.6	50.8	76.2

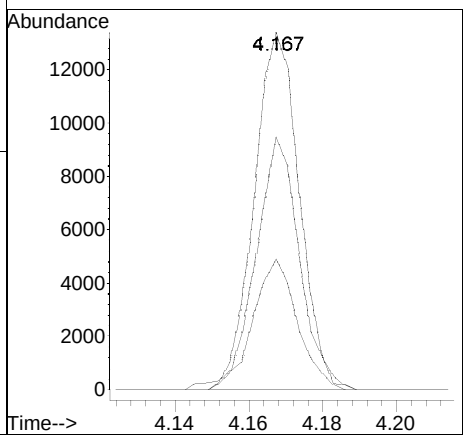


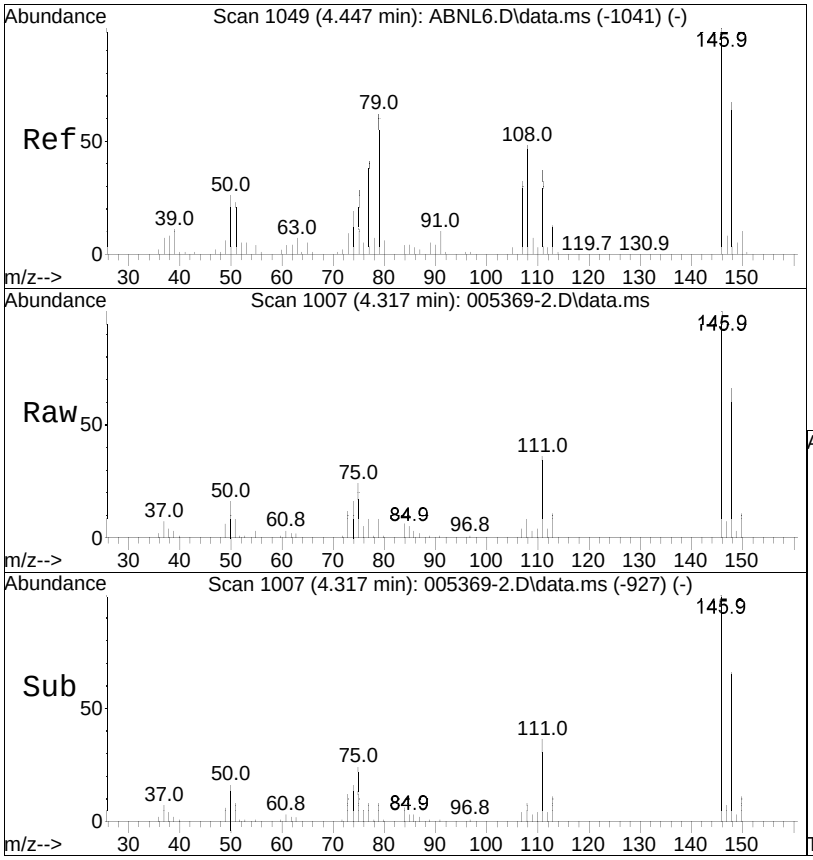


#11
1,4-Dichlorobenzene
Concen: 1.32 ug/ml
RT: 4.167 min Scan# 959
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:146 Resp: 11350

Ion	Ratio	Lower	Upper
146	100		
148	67.4	50.7	76.1
111	37.1	33.4	50.0

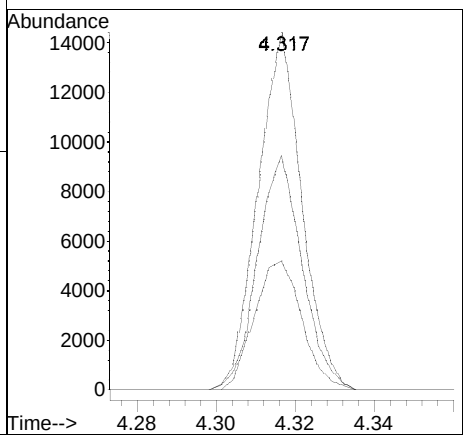


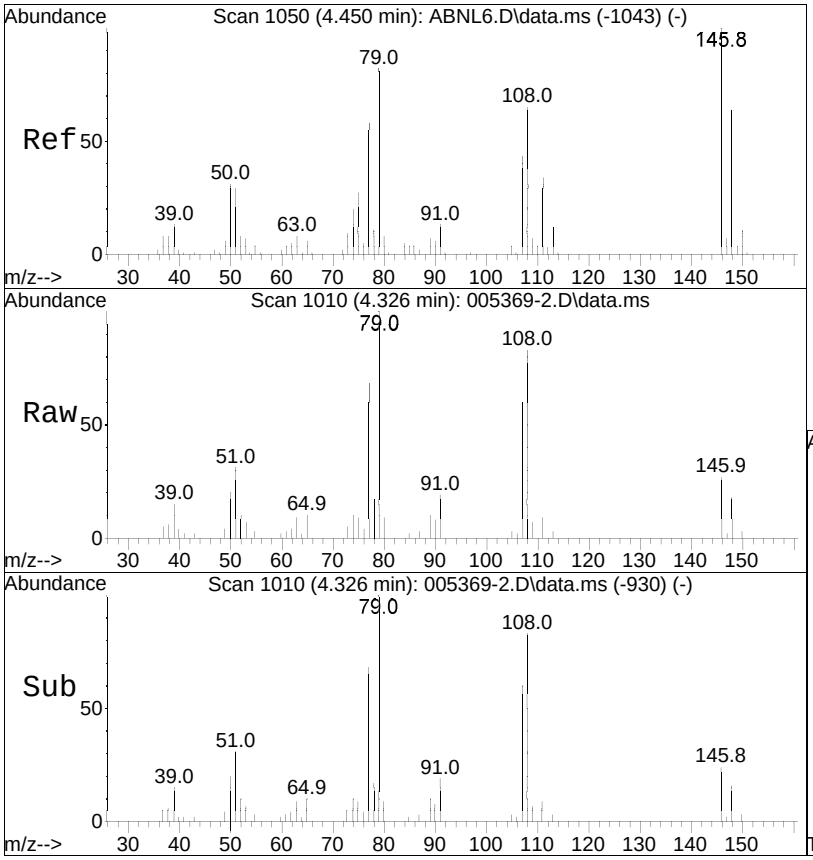


#12
1,2-Dichlorobenzene
Concen: 1.34 ug/ml
RT: 4.317 min Scan# 1007
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:146 Resp: 11035

Ion	Ratio	Lower	Upper
146	100		
111	39.2	34.6	52.0
148	66.7	50.2	75.4

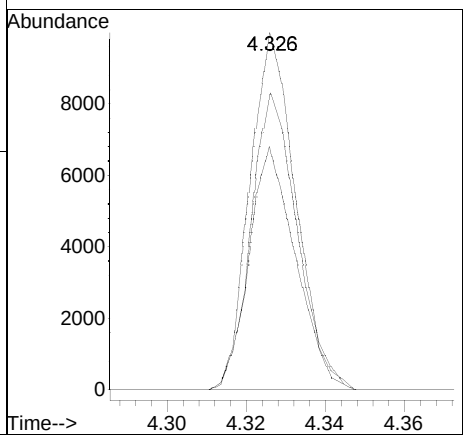


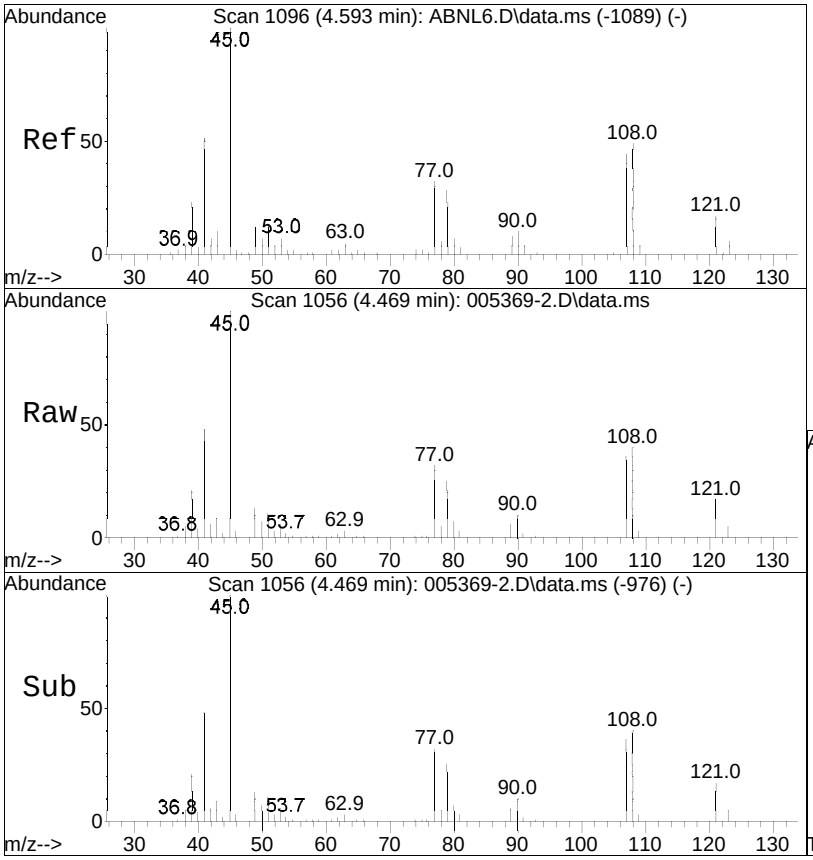


#13
Benzyl alcohol
Concen: 1.61 ug/ml
RT: 4.326 min Scan# 1010
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion: 79 Resp: 8033

Ion	Ratio	Lower	Upper
79	100		
77	69.2	54.9	82.3
108	83.7	63.1	94.7

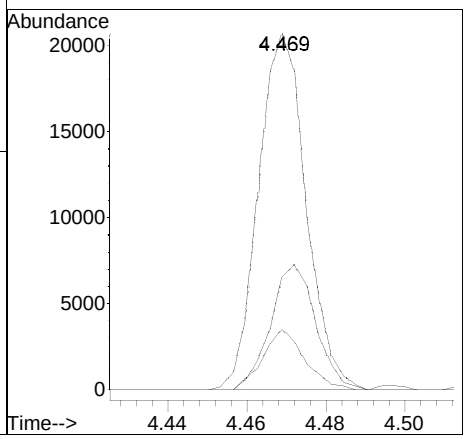


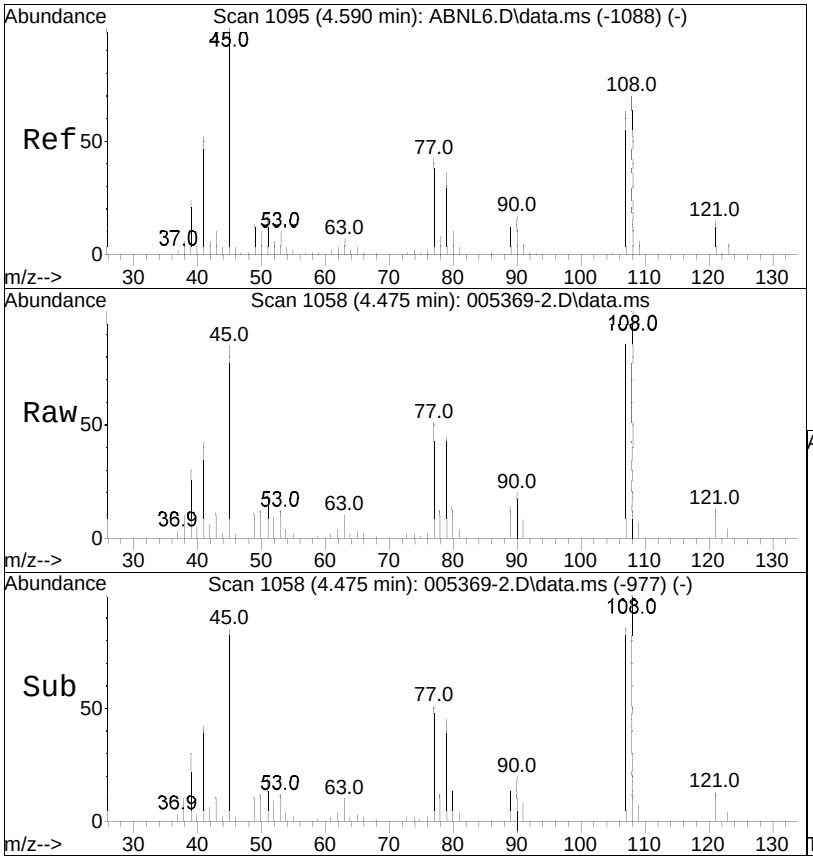


#14
Bis(2-chloroisopropyl)ether
Concen: 1.79 ug/ml
RT: 4.469 min Scan# 1056
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion: 45 Resp: 17201

Ion	Ratio	Lower	Upper
45	100		
121	15.0	9.8	14.6#
77	33.4	6.1	9.1#

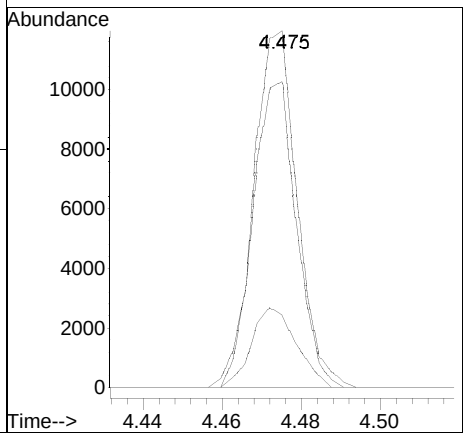


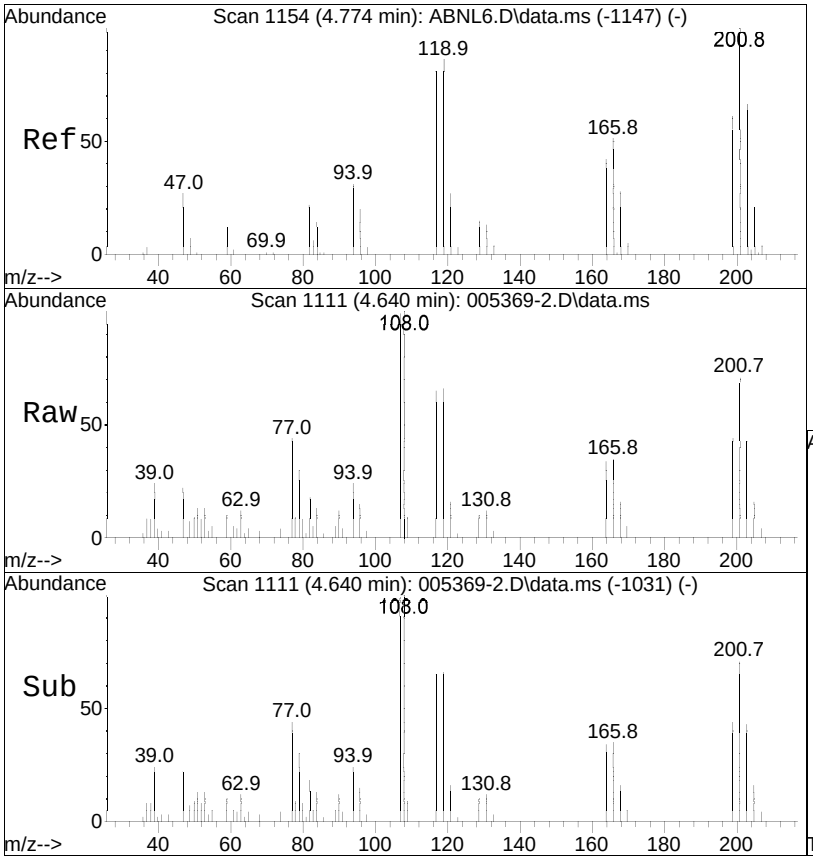


#15
2-Methylphenol
Concen: 1.58 ug/ml
RT: 4.475 min Scan# 1058
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:108 Resp: 9148

Ion	Ratio	Lower	Upper
108	100		
107	85.4	70.7	106.1
90	23.0	18.7	28.1

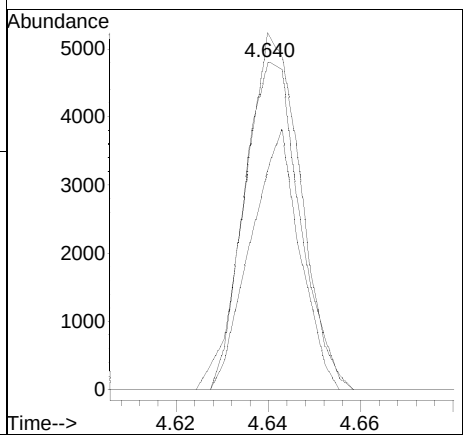


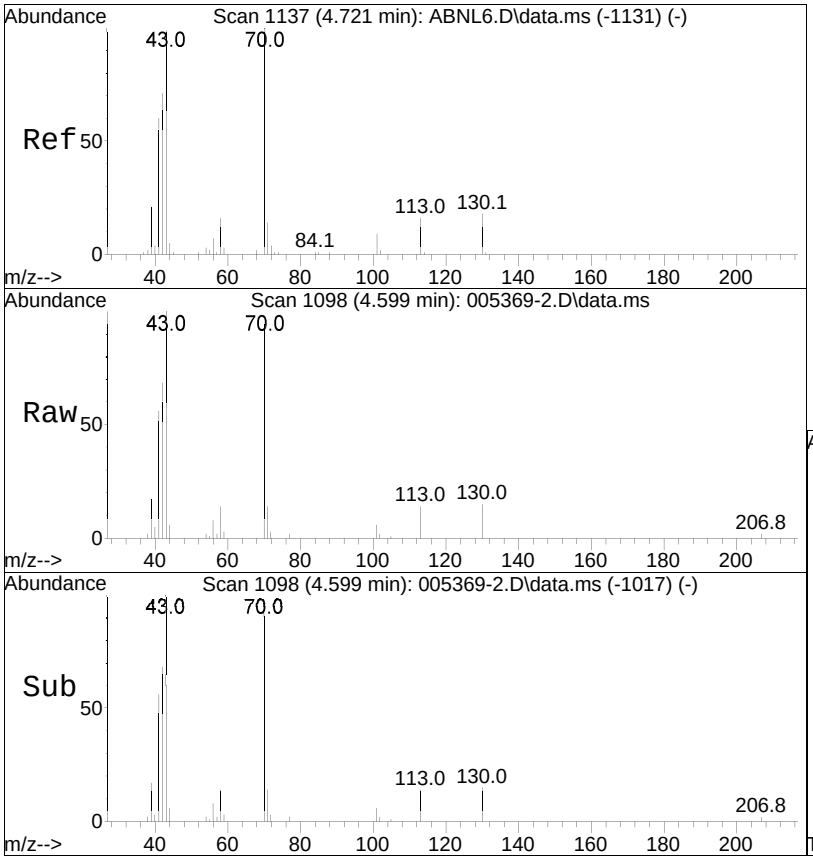


#16
Hexachloroethane
Concen: 1.28 ug/ml
RT: 4.640 min Scan# 1111
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:117 Resp: 4026

Ion	Ratio	Lower	Upper
117	100		
201	108.6	58.6	87.8#
199	70.3	36.9	55.3#

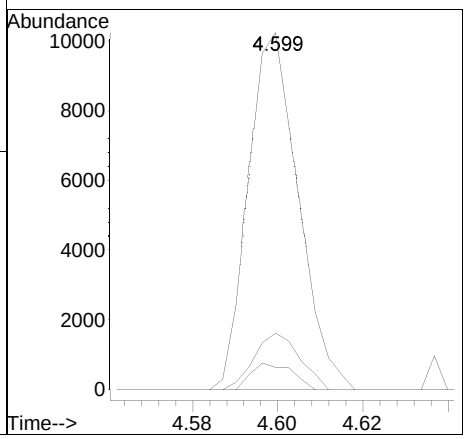


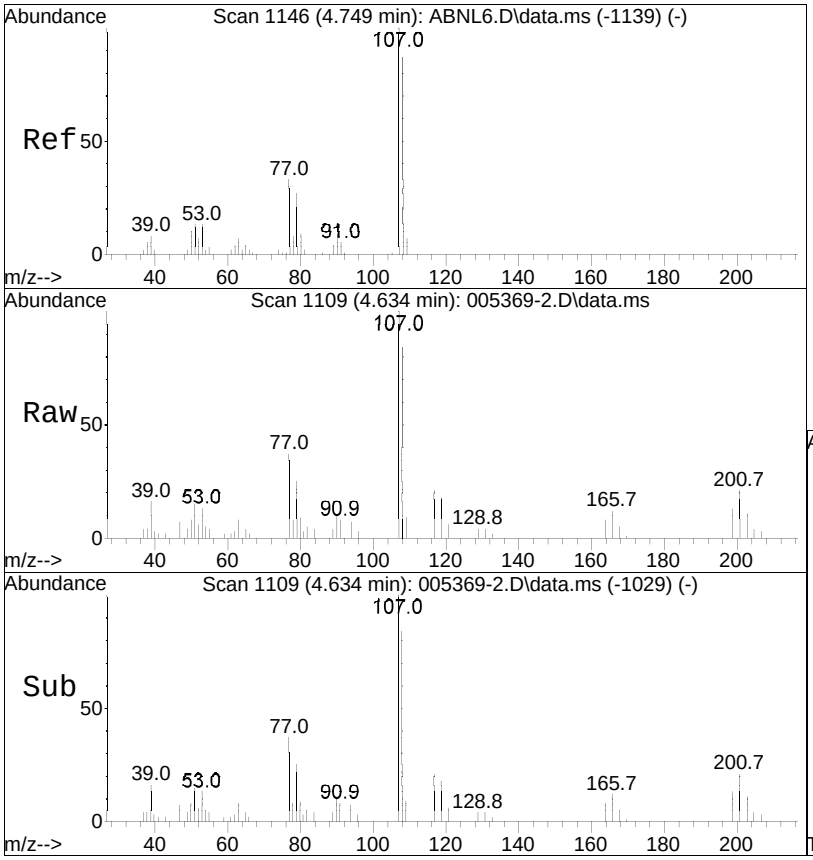


#17
n-Nitrosodi-n-propylamine
Concen: 1.81 ug/ml
RT: 4.599 min Scan# 1098
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion: 70 Resp: 8341

Ion	Ratio	Lower	Upper
70	100		
130	14.4	18.2	27.4#
101	6.1	7.8	11.8#

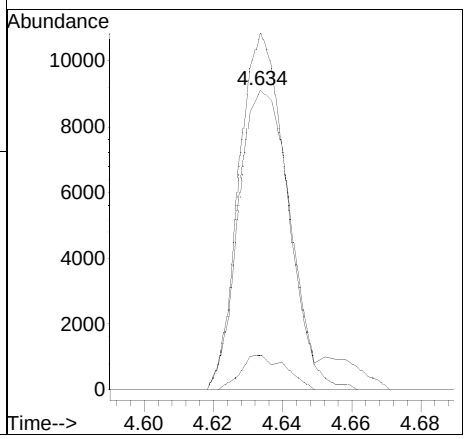


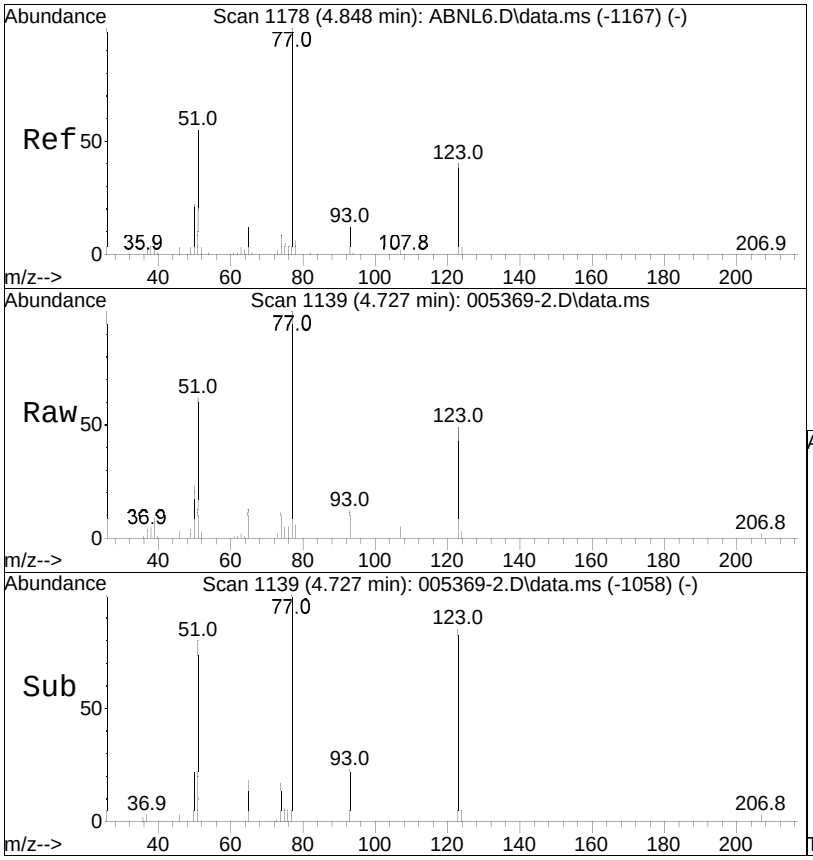


#18
3-Methylphenol/4-Methylphenol
Concen: 1.47 ug/ml
RT: 4.634 min Scan# 1109
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:108 Resp: 9338

Ion	Ratio	Lower	Upper
108	100		
107	119.0	88.6	132.8
90	10.1	8.8	13.2

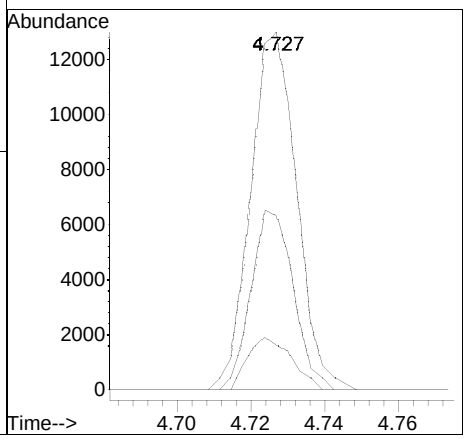


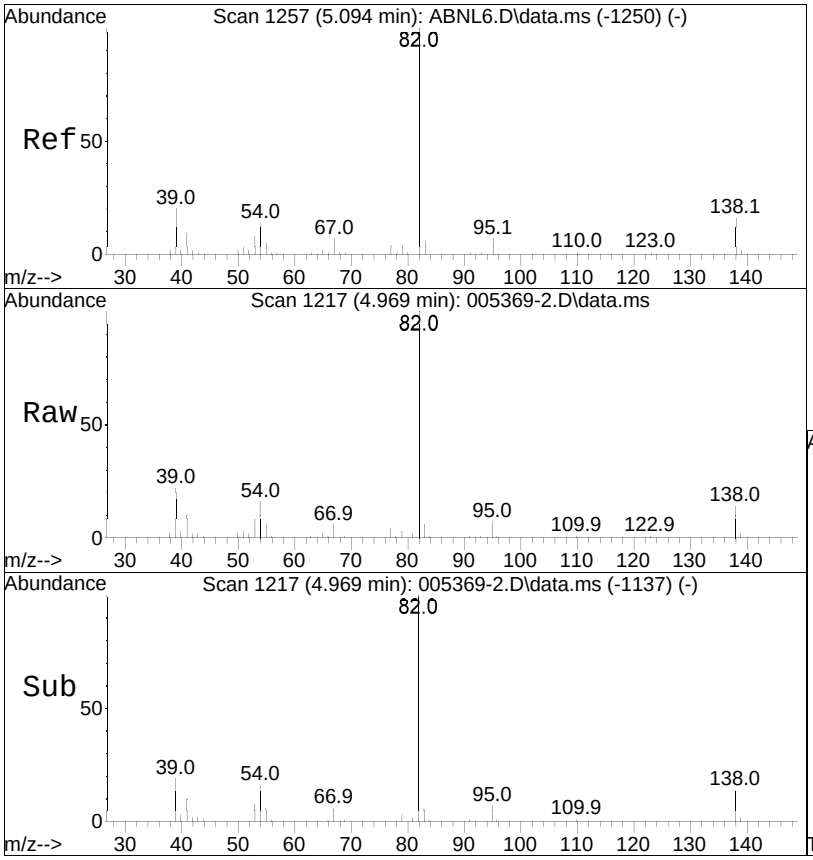


#20
Nitrobenzene
Concen: 1.71 ug/ml
RT: 4.727 min Scan# 1139
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion: 77 Resp: 11163

Ion	Ratio	Lower	Upper
77	100		
123	46.2	36.3	54.5
65	14.1	11.6	17.4

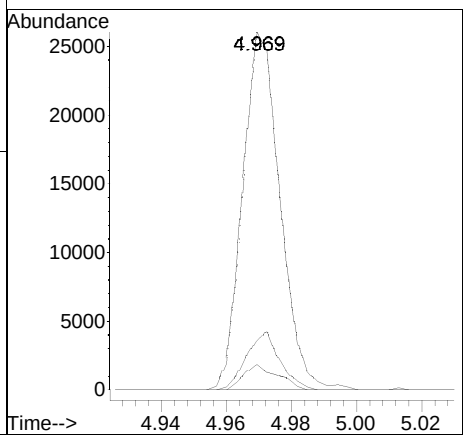


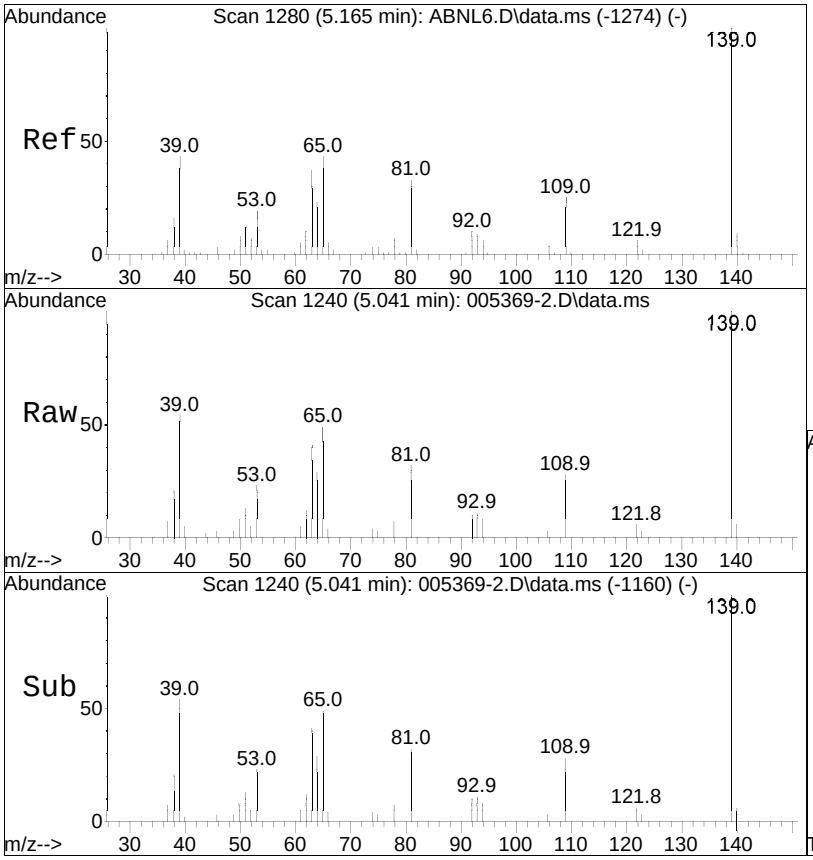


#21
Isophorone
Concen: 1.71 ug/ml
RT: 4.969 min Scan# 1217
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion: 82 Resp: 20626

Ion	Ratio	Lower	Upper
82	100		
138	14.6	14.7	22.1#
95	6.6	5.2	7.8

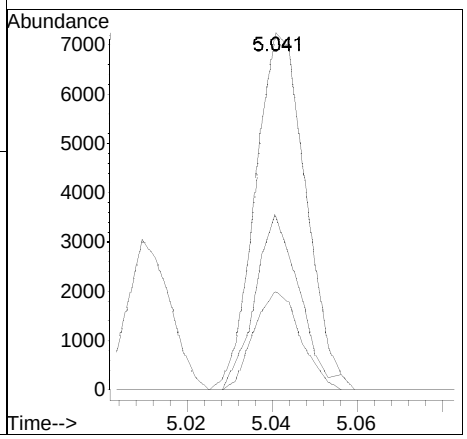


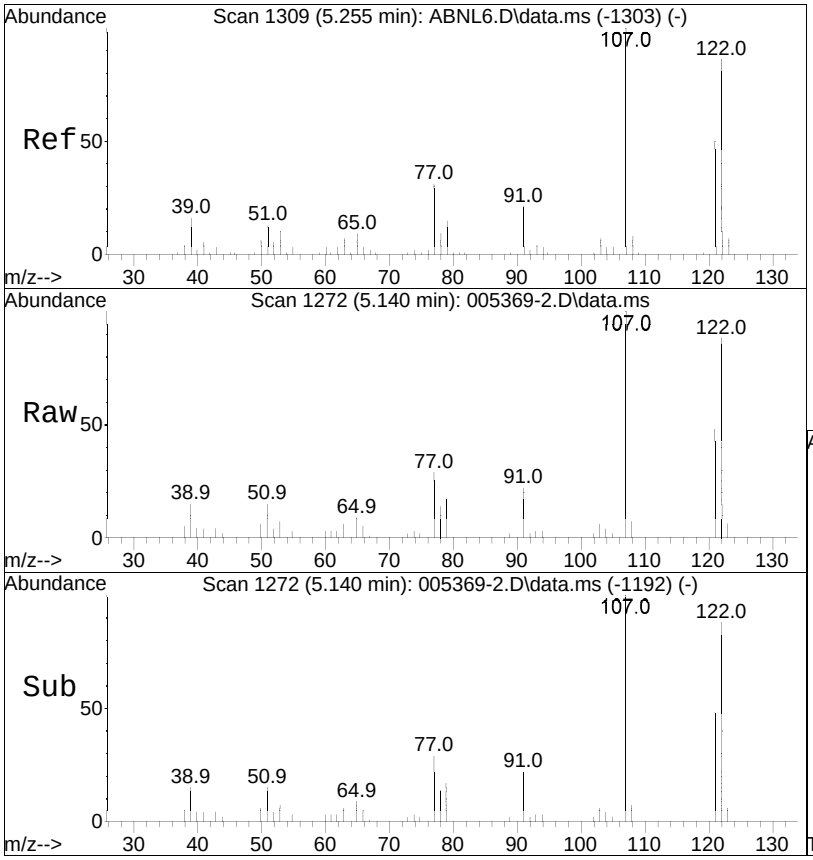


#22
2-Nitrophenol
Concen: 1.79 ug/ml
RT: 5.041 min Scan# 1240
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:139 Resp: 5944

Ion	Ratio	Lower	Upper
139	100		
109	25.7	19.4	29.0
65	43.9	46.1	69.1#

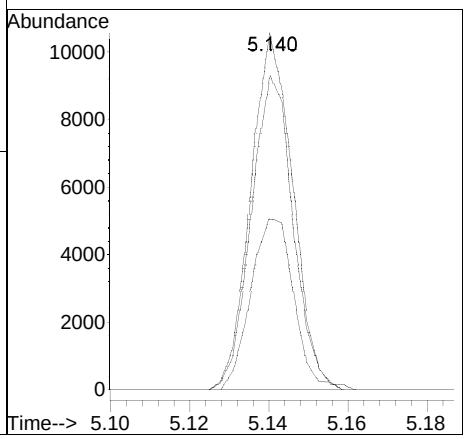


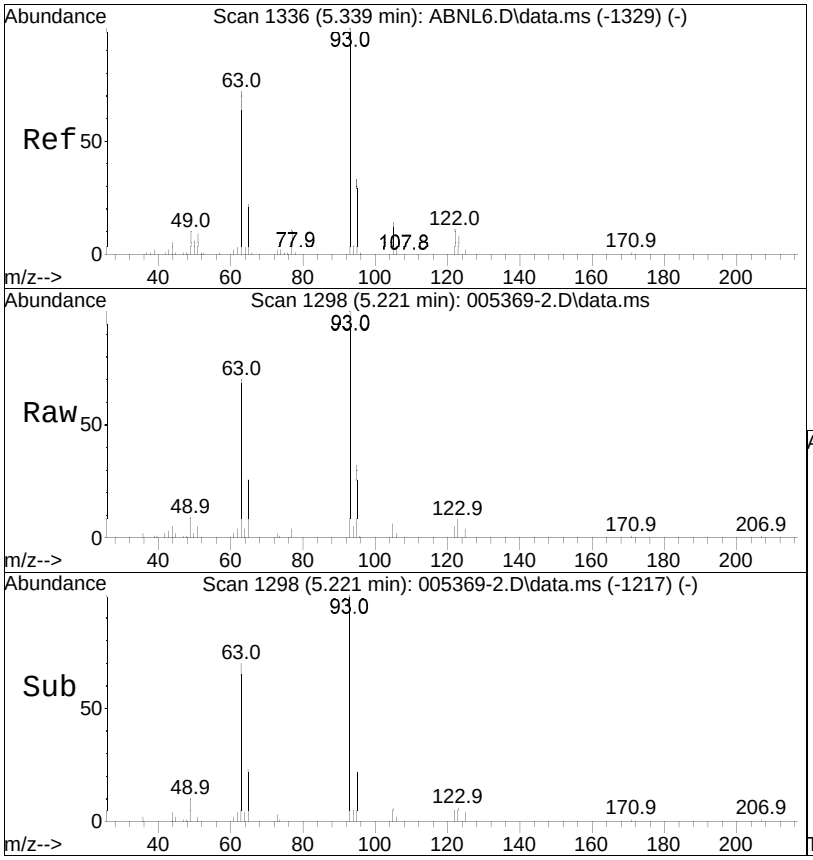


#23
2,4-Dimethylphenol
Concen: 1.32 ug/ml
RT: 5.140 min Scan# 1272
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:107 Resp: 7774

Ion	Ratio	Lower	Upper
107	100		
121	49.1	40.0	60.0
122	87.6	70.2	105.4

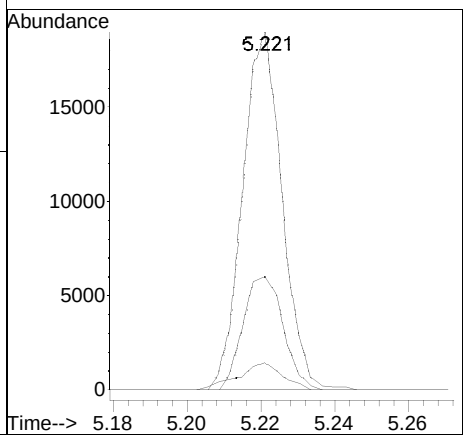


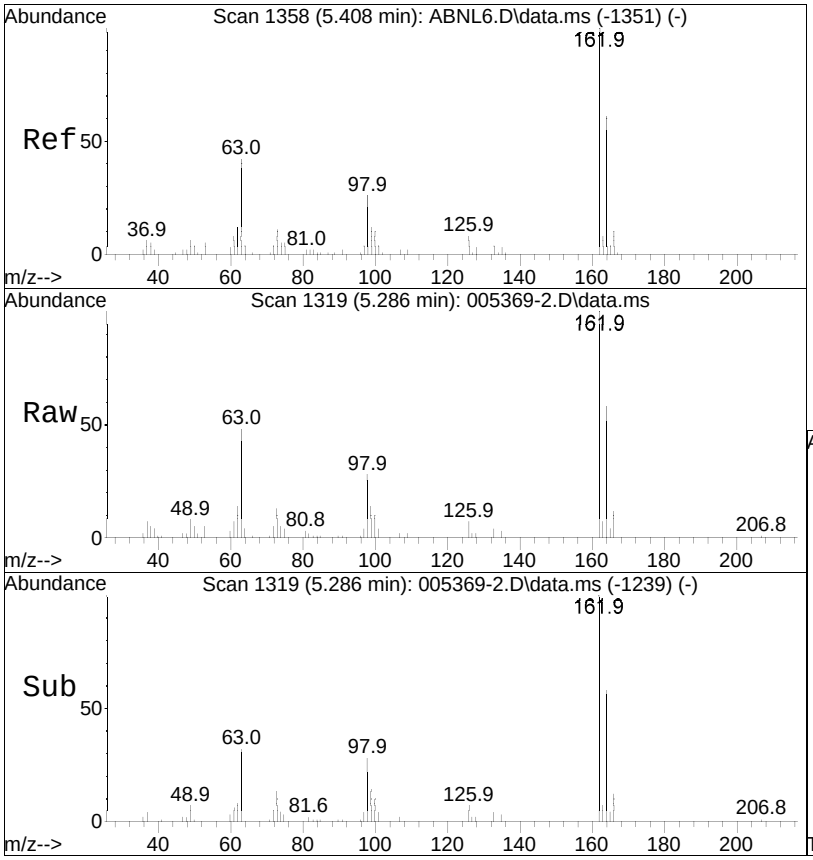


#24
Bis(2-chloroethoxy)methane
Concen: 1.86 ug/ml
RT: 5.221 min Scan# 1298
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion: 93 Resp: 13942

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.8	38.8
123	8.6	10.1	15.1#

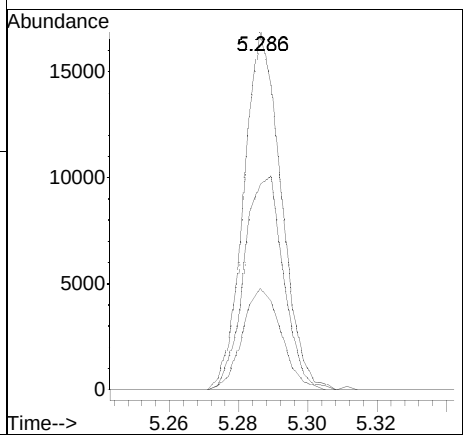


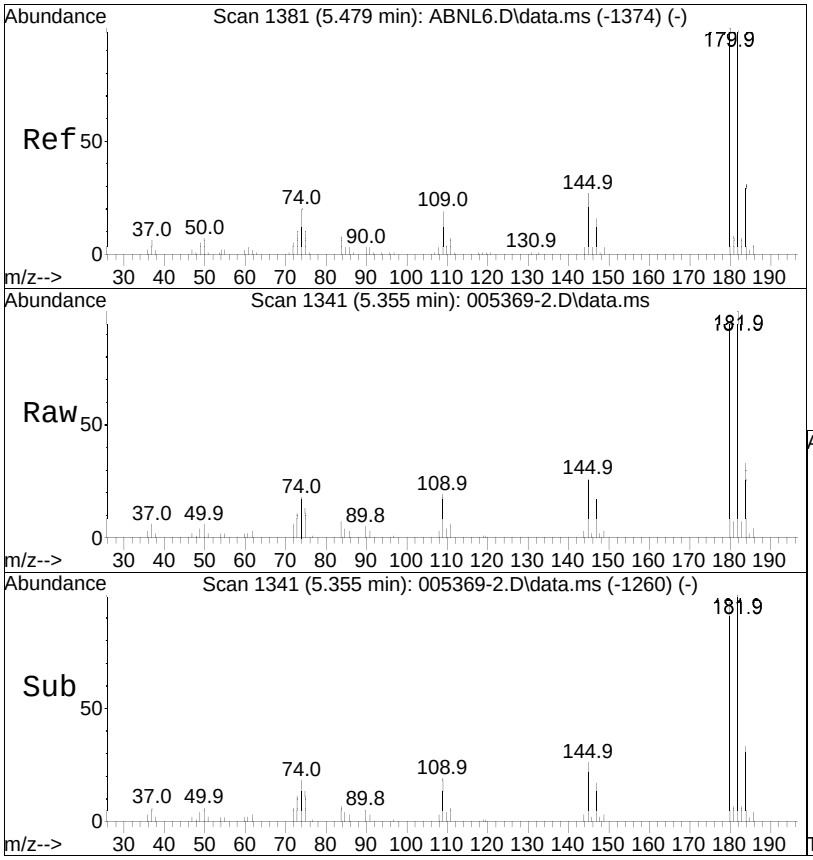


#25
2,4-Dichlorophenol
Concen: 1.83 ug/ml
RT: 5.286 min Scan# 1319
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:162 Resp: 12599

Ion	Ratio	Lower	Upper
162	100		
164	62.7	51.0	76.4
98	29.4	32.2	48.2#

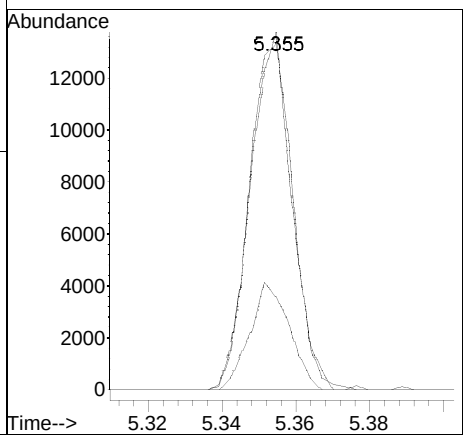


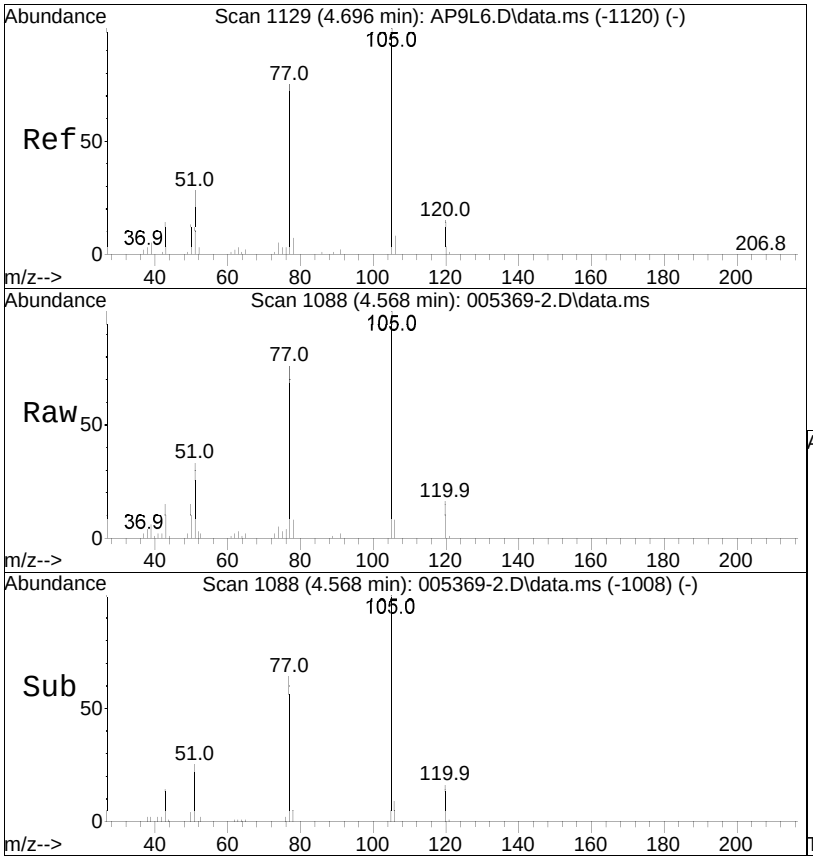


#26
1,2,4-Trichlorobenzene
Concen: 1.31 ug/ml
RT: 5.355 min Scan# 1341
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:180 Resp: 10886

Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.0	114.0
145	28.0	25.7	38.5

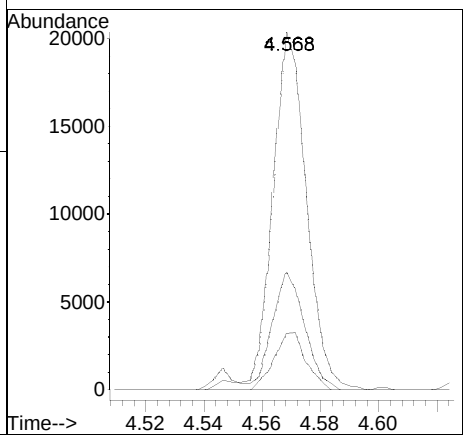


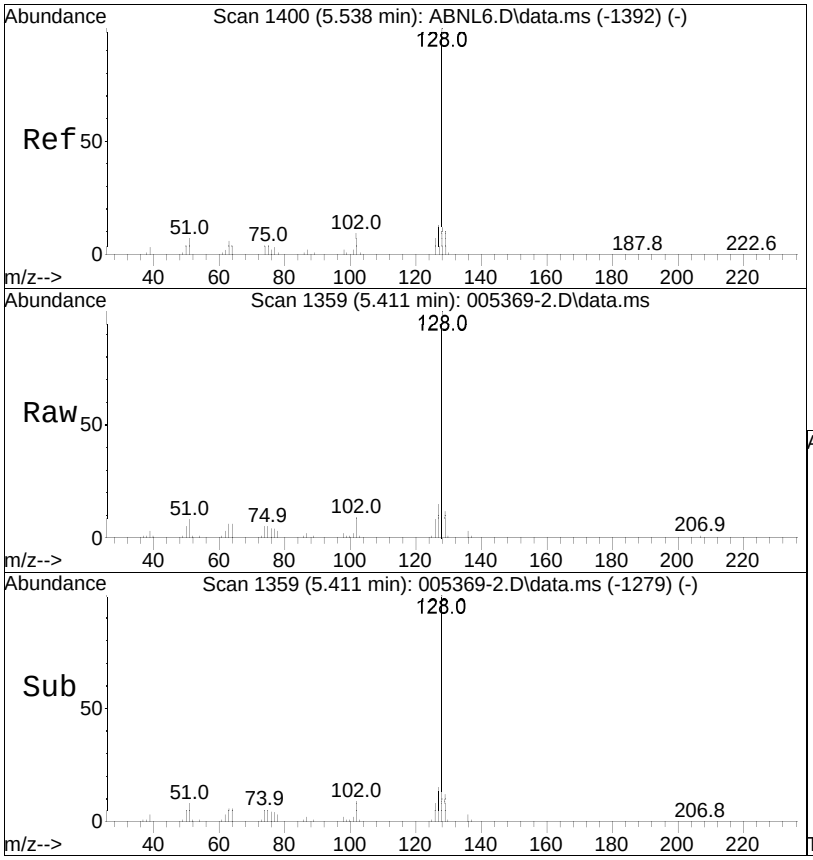


#29
Acetophenone
Concen: 2.18 ug/ml
RT: 4.568 min Scan# 1088
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:105 Resp: 16364

Ion	Ratio	Lower	Upper
105	100		
120	15.0	20.5	30.7#
51	31.6	34.9	52.3#

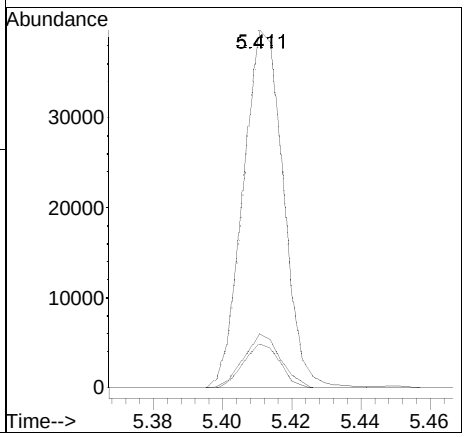


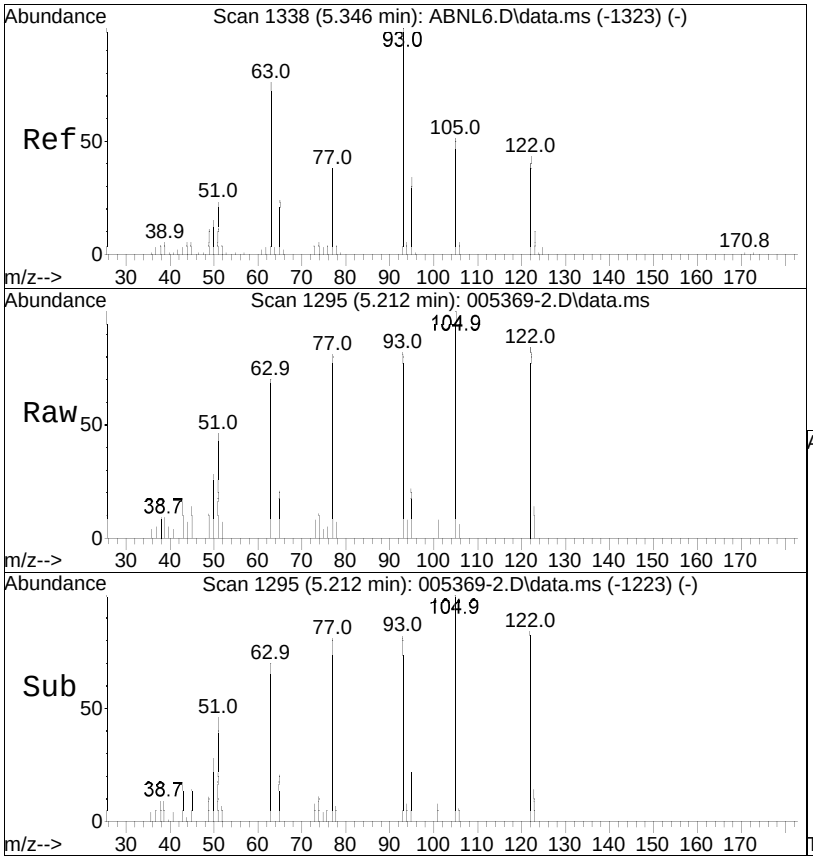


#38
Naphthalene
Concen: 1.43 ug/ml
RT: 5.411 min Scan# 1359
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:128 Resp: 31793

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	14.0	10.3	15.5

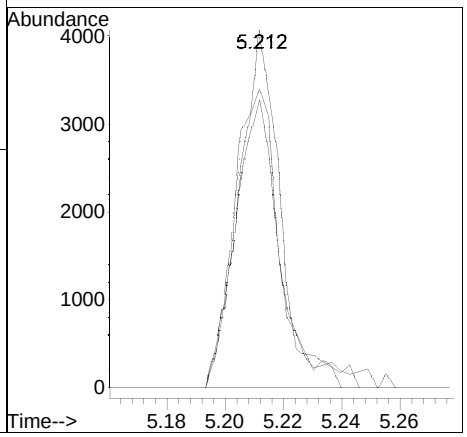


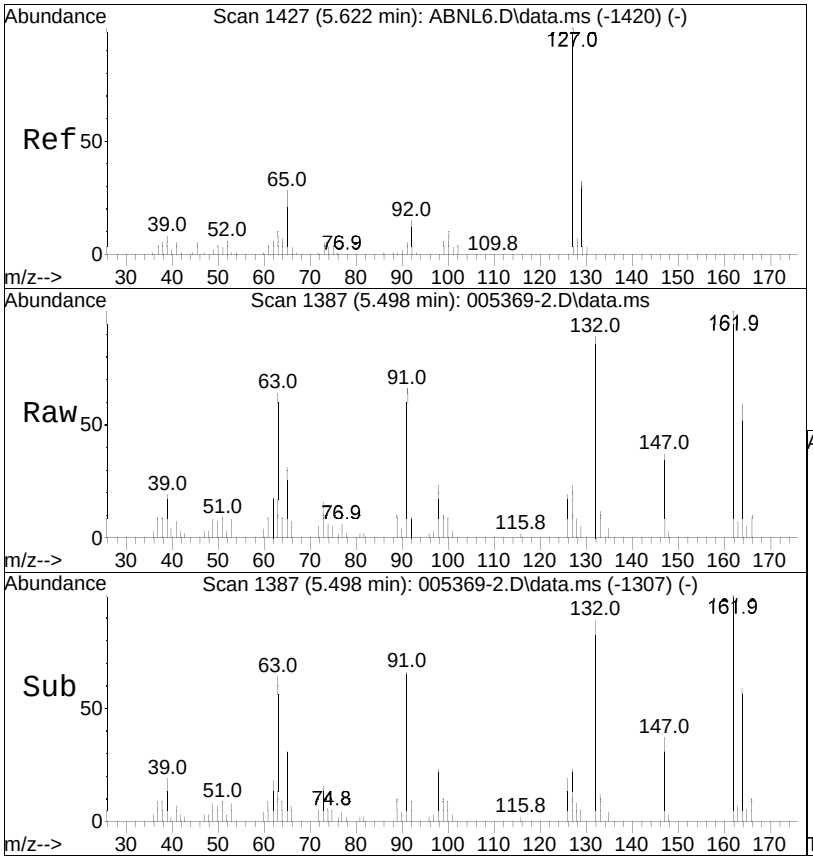


#39
Benzoic Acid
Concen: 0.90 ug/ml
RT: 5.212 min Scan# 1295
Delta R.T. -0.025 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:105 Resp: 4157

Ion	Ratio	Lower	Upper
105	100		
122	86.0	59.9	89.9
77	85.2	60.1	90.1

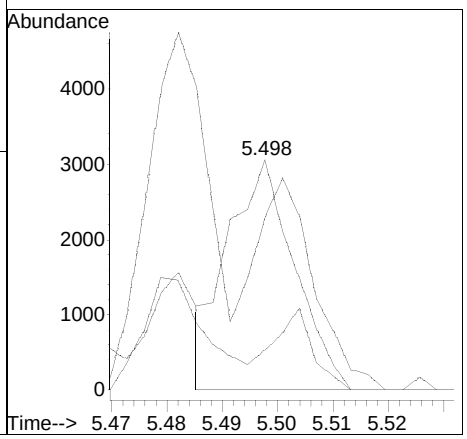


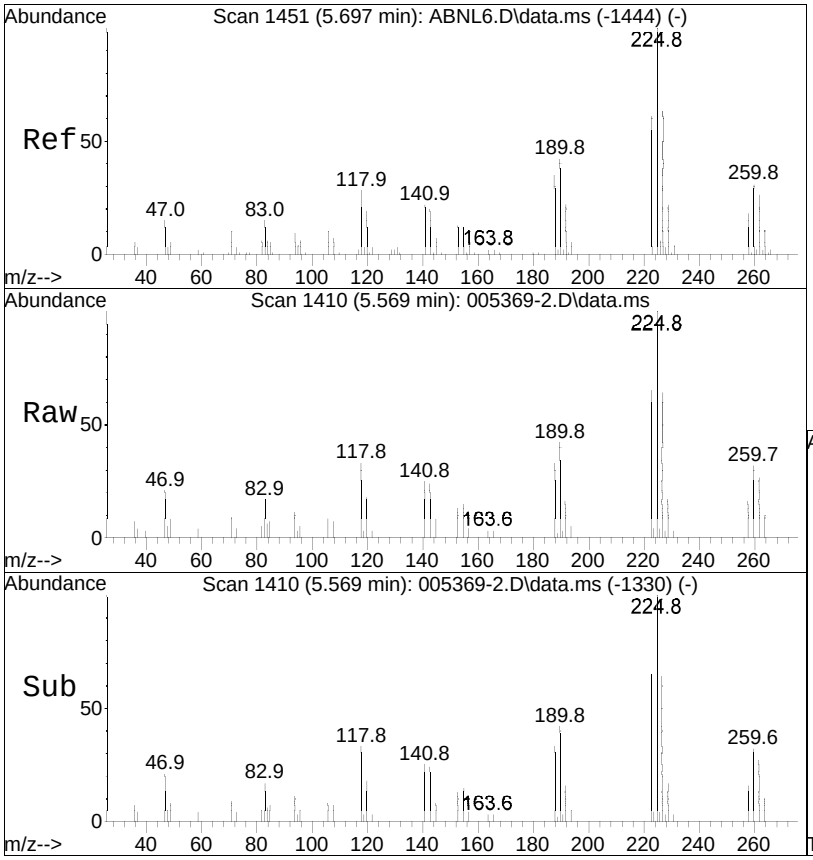


#40
4-Chloroaniline
Concen: 1.04 ug/ml
RT: 5.498 min Scan# 1387
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion: 65 Resp: 2543

Ion	Ratio	Lower	Upper
65	100		
127	83.2	237.6	356.4#
129	21.2	76.3	114.5#

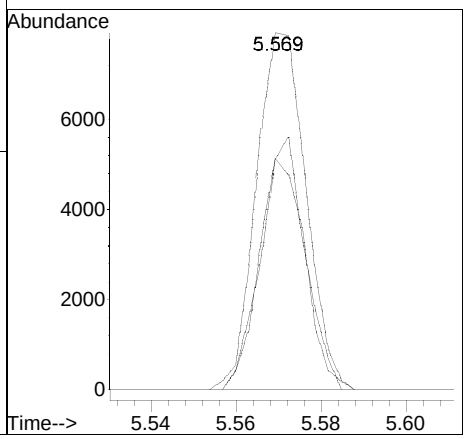


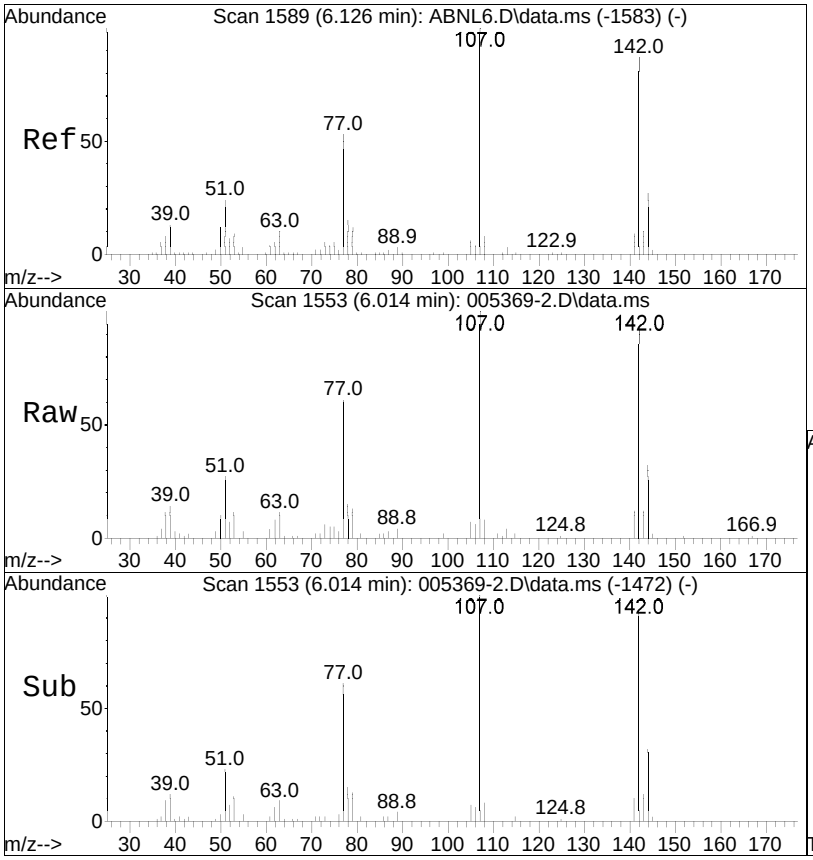


#41
Hexachlorobutadiene
Concen: 1.22 ug/ml
RT: 5.569 min Scan# 1410
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:225 Resp: 6395

Ion	Ratio	Lower	Upper
225	100		
223	60.5	50.3	75.5
227	63.1	52.2	78.2

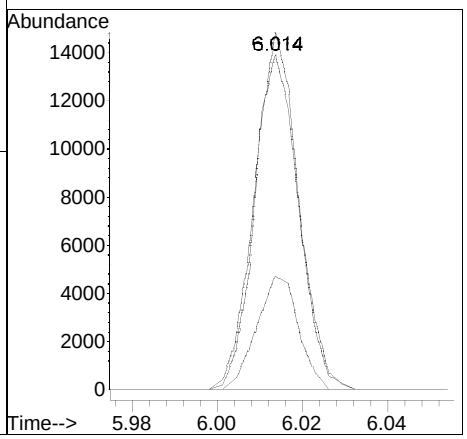


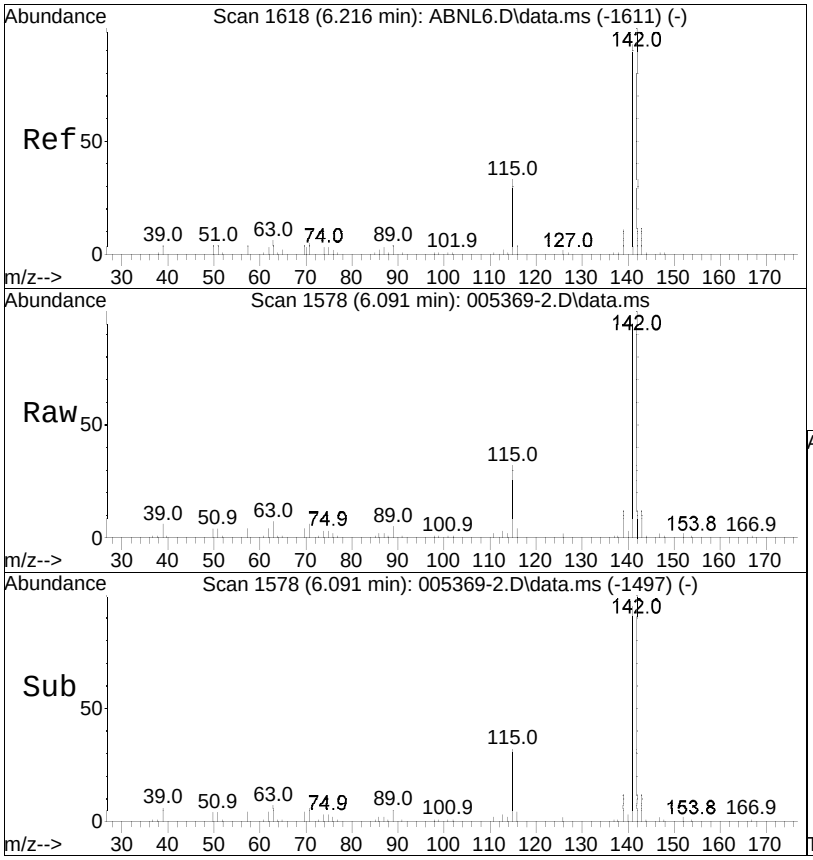


#42
p-Chloro-m-cresol
Concen: 1.80 ug/ml
RT: 6.014 min Scan# 1553
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:107 Resp: 10572

Ion	Ratio	Lower	Upper
107	100		
144	30.2	20.9	31.3
142	93.4	66.1	99.1

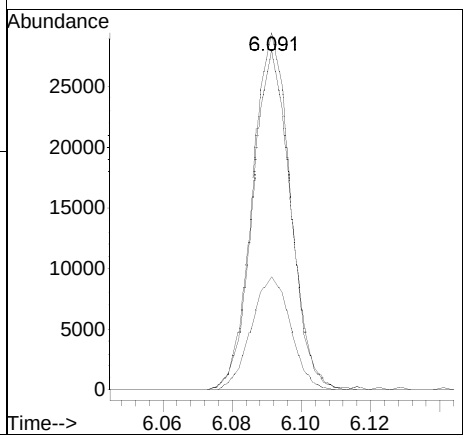


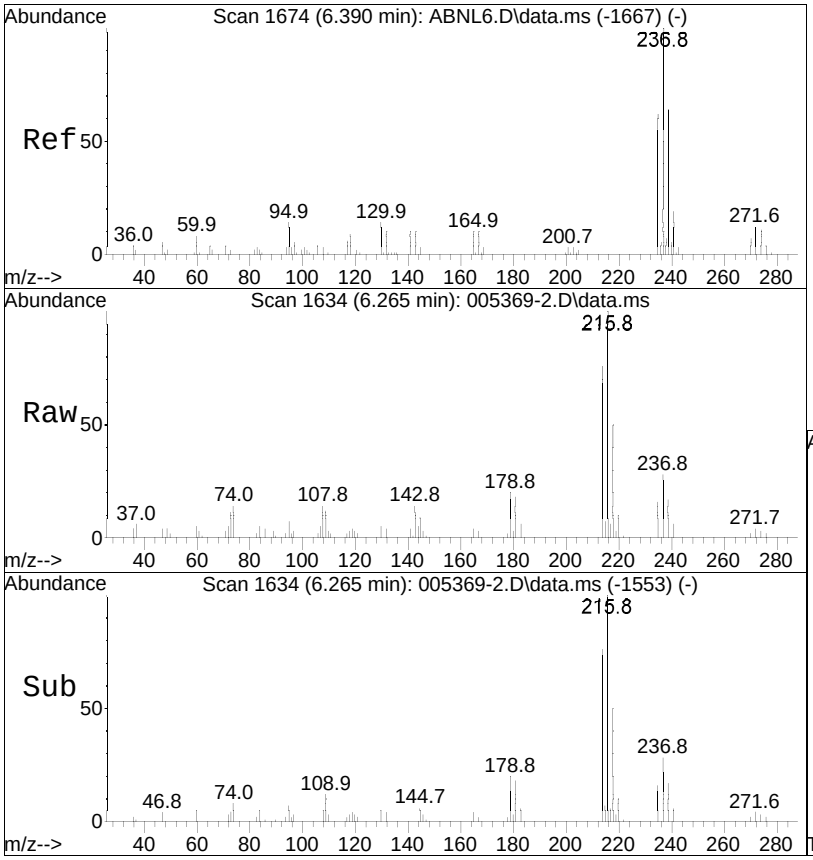


#43
2-Methylnaphthalene
Concen: 1.46 ug/ml
RT: 6.091 min Scan# 1578
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:142 Resp: 22410

Ion	Ratio	Lower	Upper
142	100		
141	94.3	69.6	104.4
115	32.8	26.6	40.0

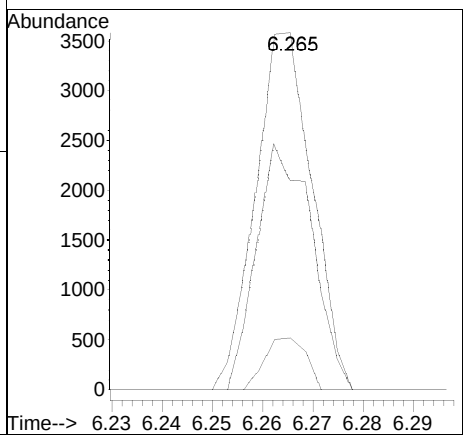


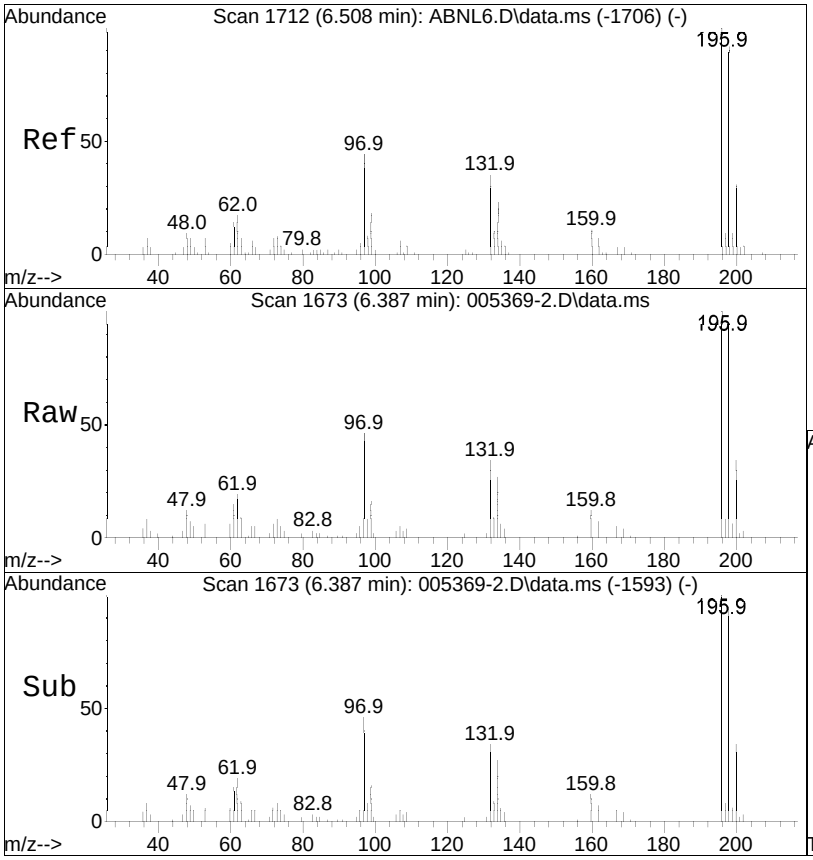


#45
Hexachlorocyclopentadiene
Concen: 0.51 ug/ml
RT: 6.265 min Scan# 1634
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:237 Resp: 2802

Ion	Ratio	Lower	Upper
237	100		
235	67.1	49.7	74.5
272	0.0	9.8	14.6#

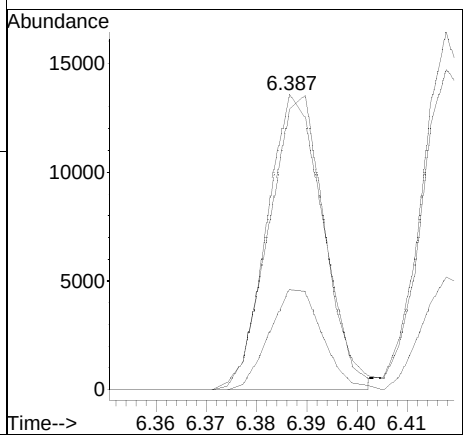


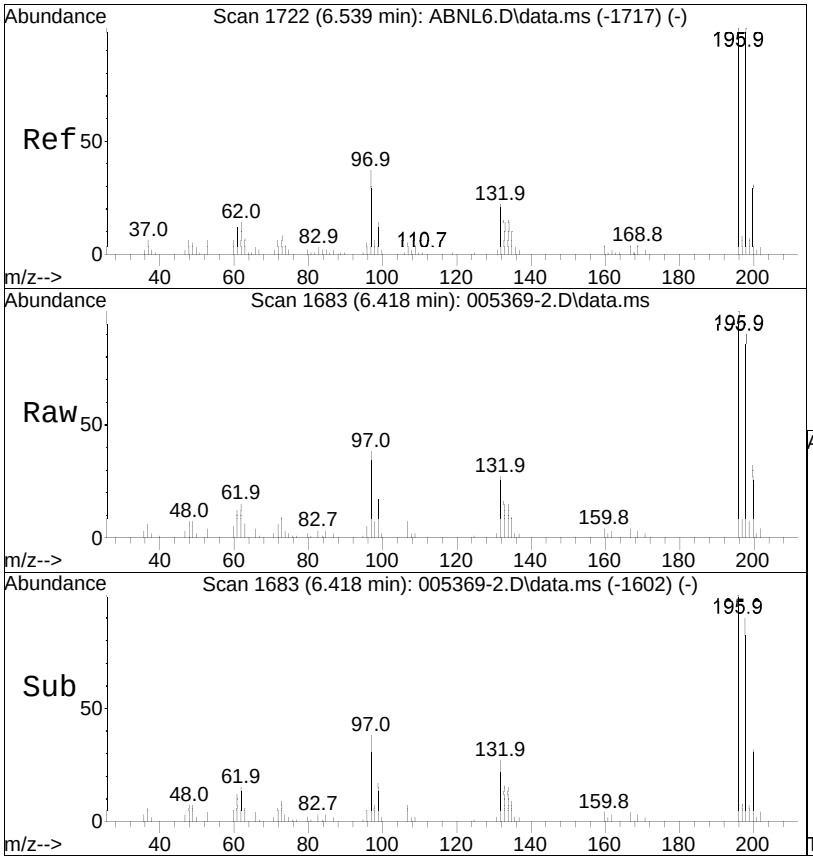


#46
2,4,6-Trichlorophenol
Concen: 1.81 ug/ml
RT: 6.387 min Scan# 1673
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:196 Resp: 10508

Ion	Ratio	Lower	Upper
196	100		
198	100.0	77.5	116.3
200	32.1	23.8	35.6

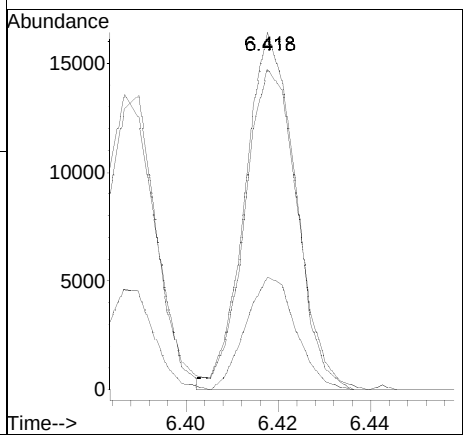


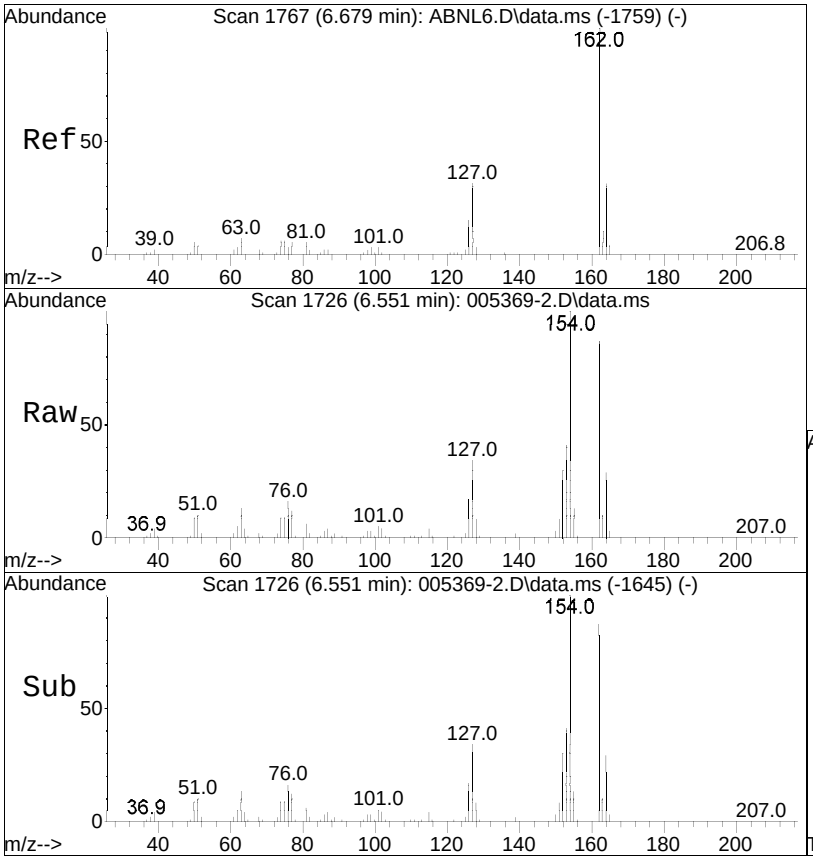


#47
2,4,5-Trichlorophenol
Concen: 1.90 ug/ml
RT: 6.418 min Scan# 1683
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:196 Resp: 12338

Ion	Ratio	Lower	Upper
196	100		
200	31.8	25.4	38.0
198	94.0	78.0	117.0

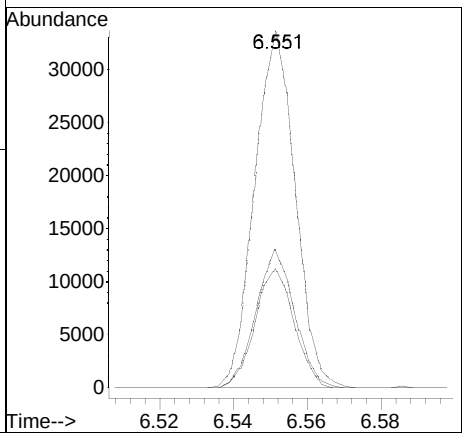


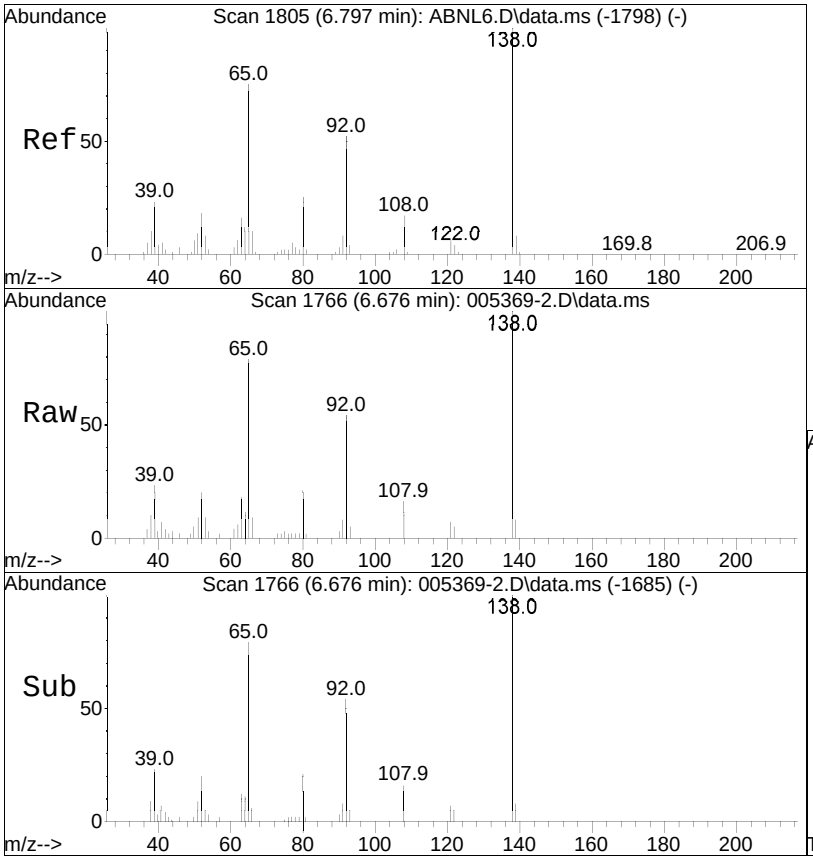


#49
2-Chloronaphthalene
Concen: 1.48 ug/ml
RT: 6.551 min Scan# 1726
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:162 Resp: 25524

Ion	Ratio	Lower	Upper
162	100		
127	37.1	32.2	48.4
164	32.3	25.7	38.5

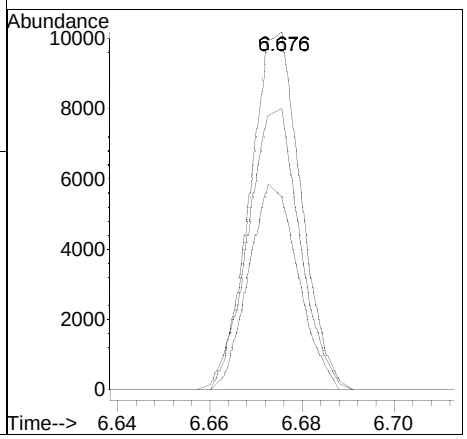


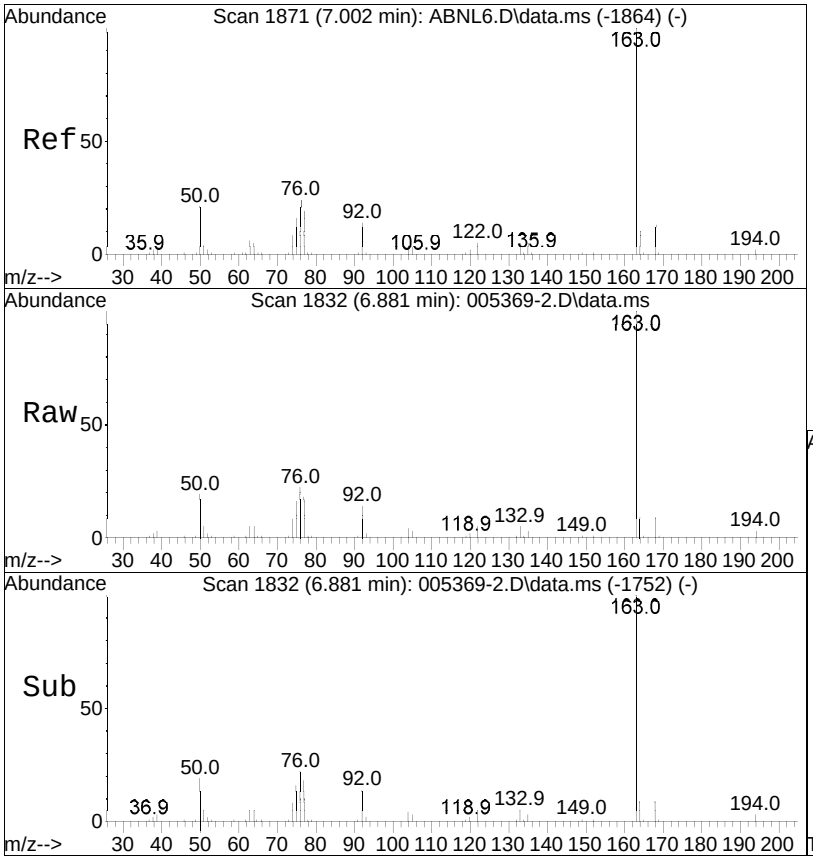


#50
2-Nitroaniline
Concen: 1.76 ug/ml
RT: 6.676 min Scan# 1766
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:138 Resp: 7741

Ion	Ratio	Lower	Upper
138	100		
92	56.6	53.5	80.3
65	80.4	86.3	129.5#

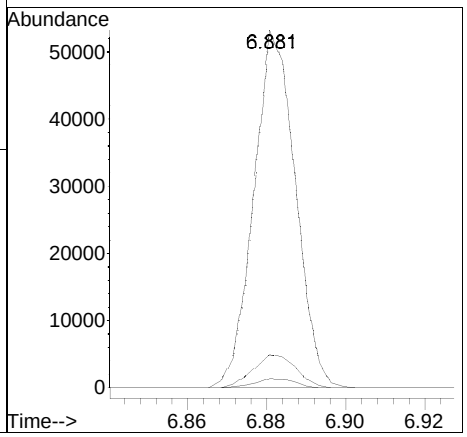


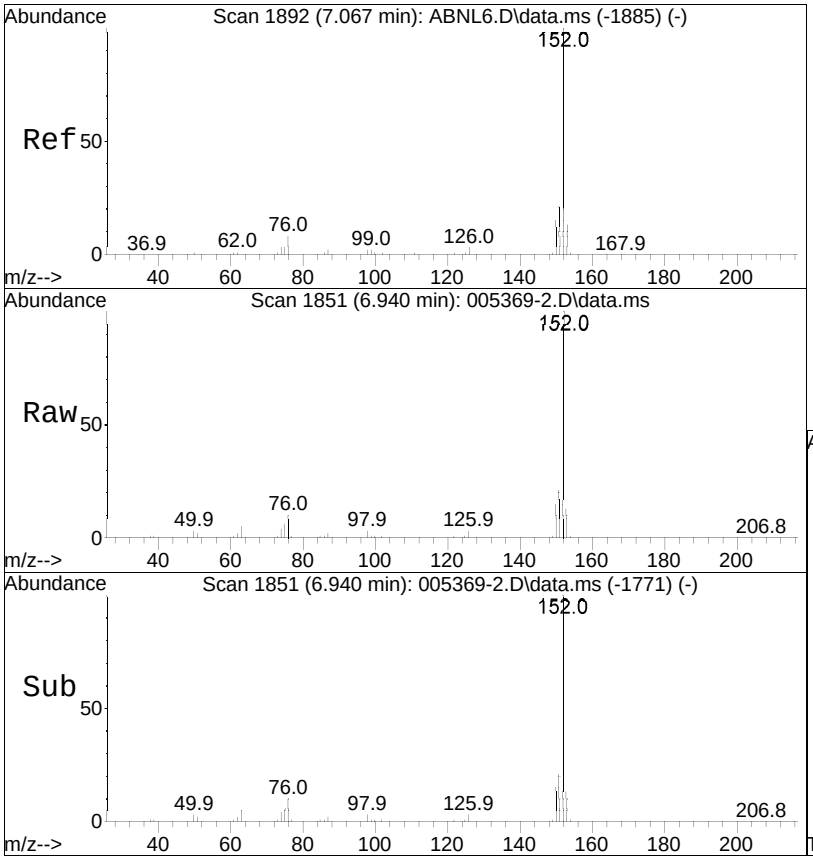


#53
Dimethyl phthalate
Concen: 1.92 ug/ml
RT: 6.881 min Scan# 1832
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:163 Resp: 38539

Ion	Ratio	Lower	Upper
163	100		
194	2.4	3.5	5.3#
164	9.6	7.9	11.9

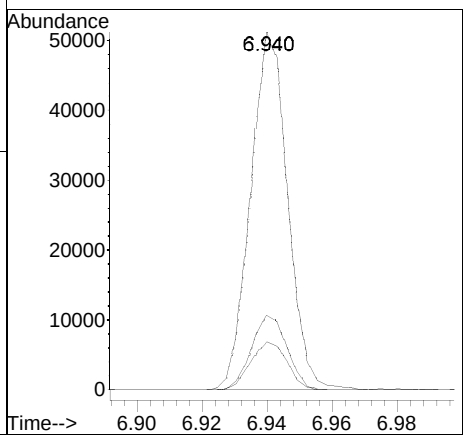


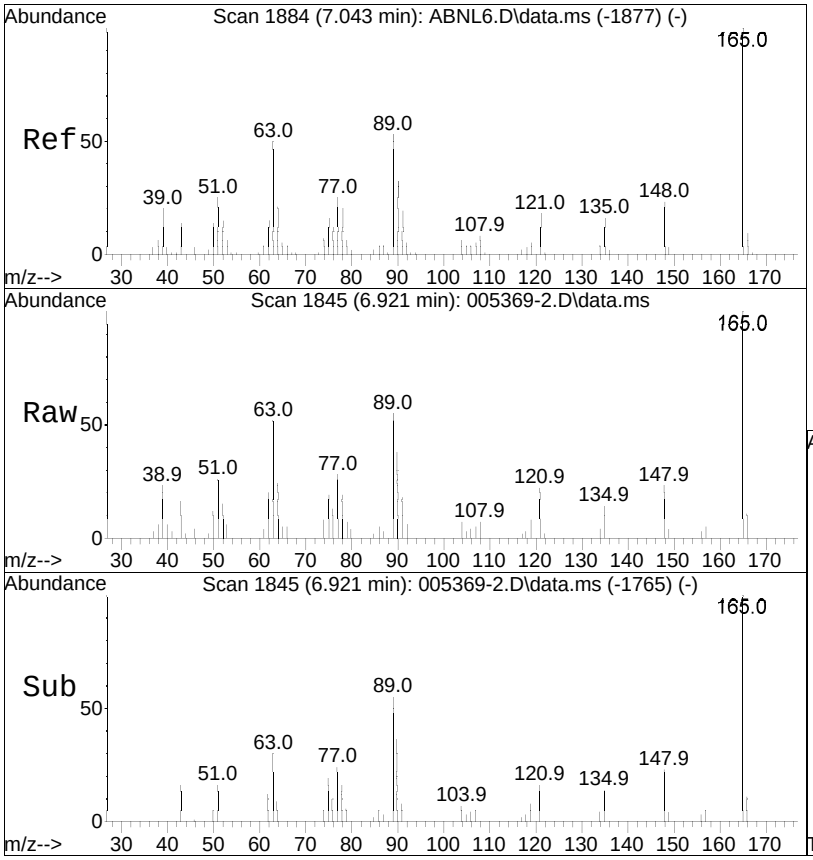


#54
Acenaphthylene
Concen: 1.59 ug/ml
RT: 6.940 min Scan# 1851
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:152 Resp: 40130

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	13.3	10.5	15.7

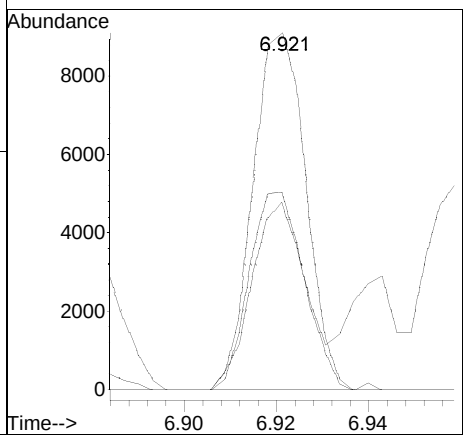


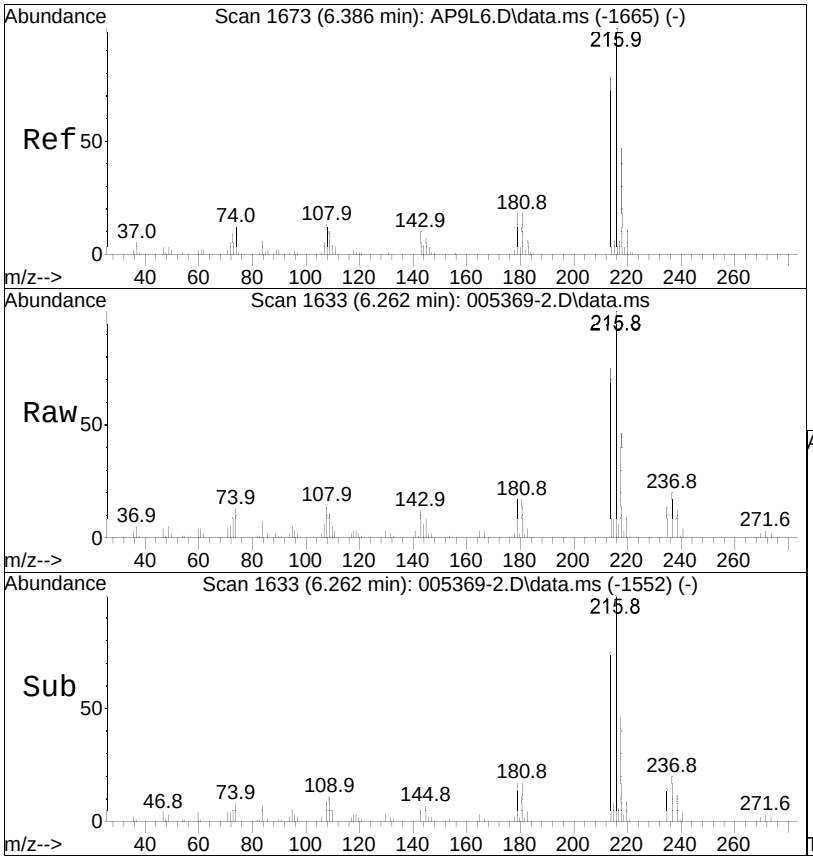


#55
2,6-Dinitrotoluene
Concen: 1.94 ug/ml
RT: 6.921 min Scan# 1845
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:165 Resp: 7243

Ion	Ratio	Lower	Upper
165	100		
89	57.4	54.2	81.2
63	53.5	64.2	96.2#

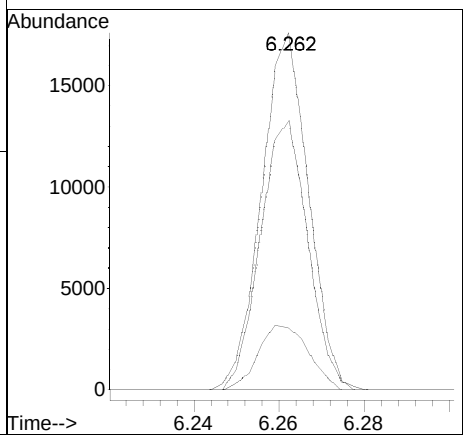


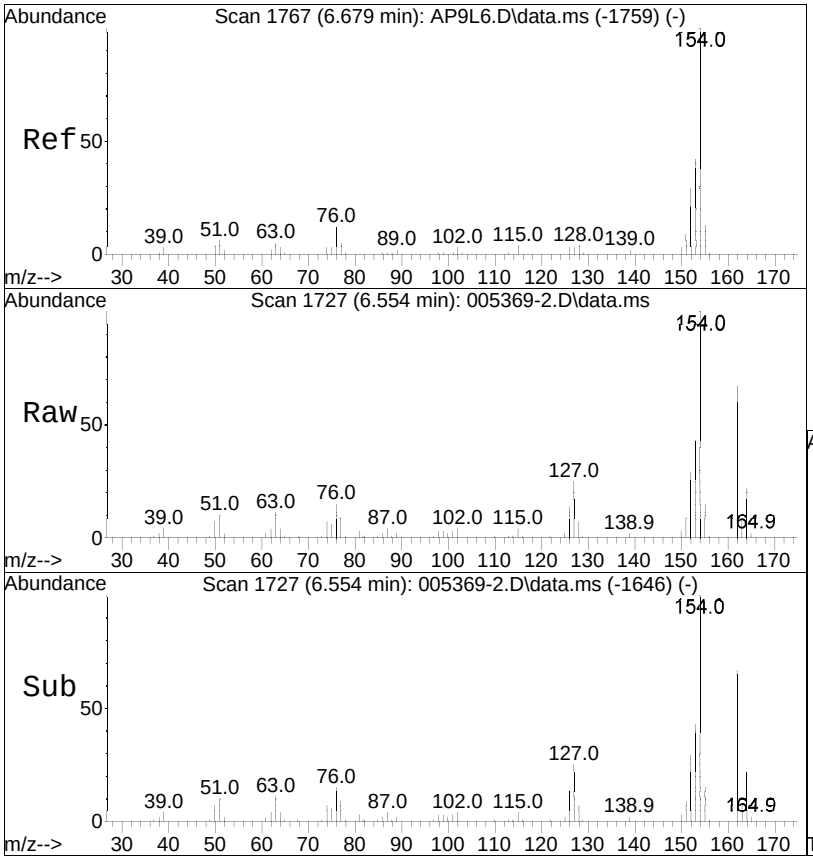


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.61 ug/ml
RT: 6.262 min Scan# 1633
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:216 Resp: 13411

Ion	Ratio	Lower	Upper
216	100		
214	76.3	63.7	95.5
179	19.5	19.0	28.6

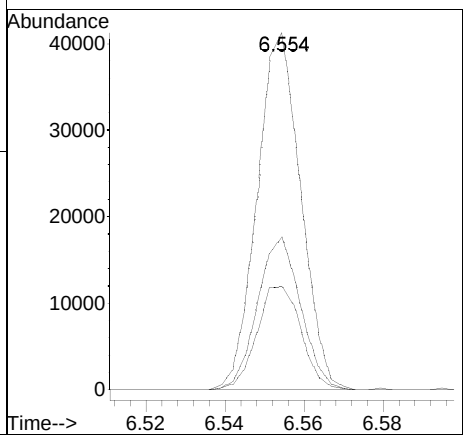


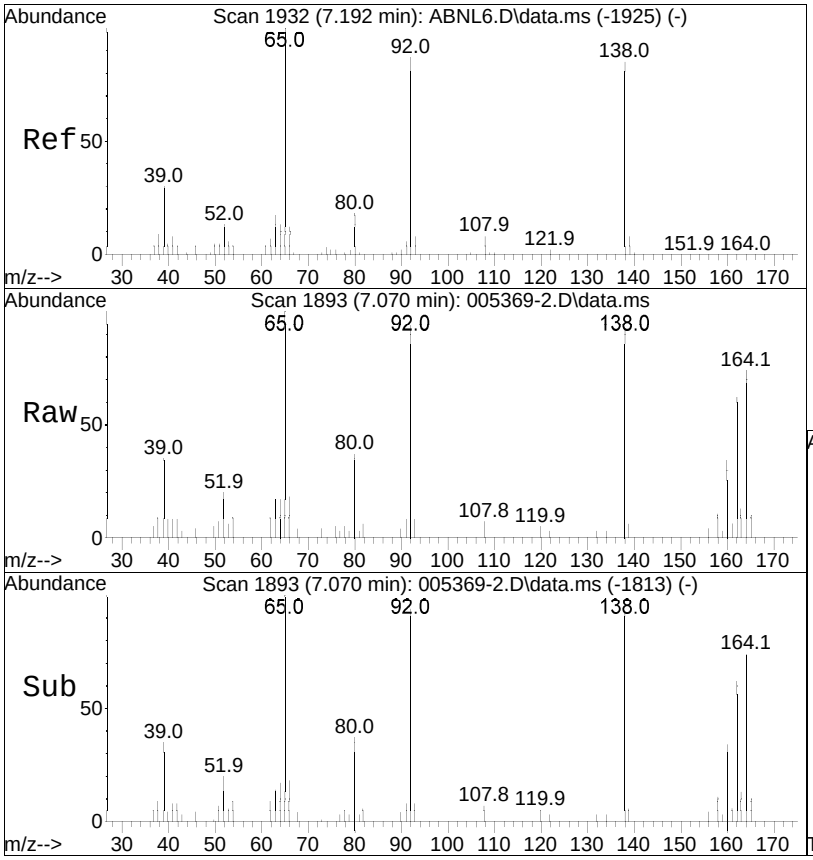


#64
Biphenyl
Concen: 1.84 ug/ml
RT: 6.554 min Scan# 1727
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:154 Resp: 31348

Ion	Ratio	Lower	Upper
154	100		
153	42.6	32.3	48.5
152	29.7	22.5	33.7

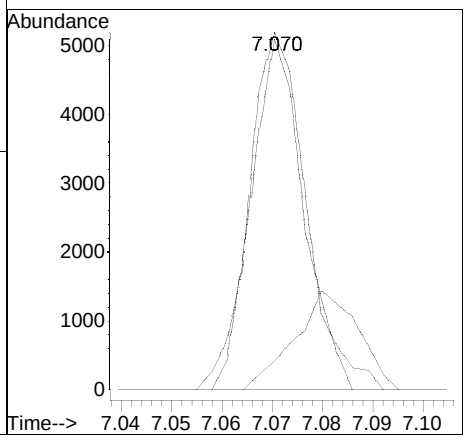


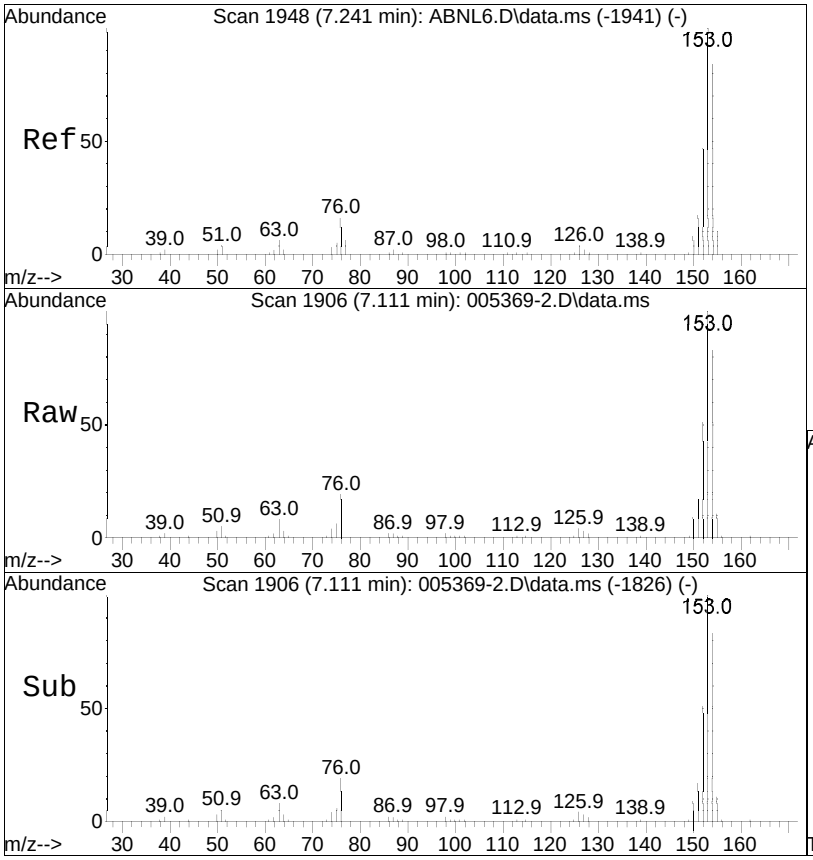


#66
3-Nitroaniline
Concen: 0.88 ug/ml
RT: 7.070 min Scan# 1893
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:138 Resp: 3647

Ion	Ratio	Lower	Upper
138	100		
92	112.3	93.4	140.2
108	34.6	9.5	14.3#

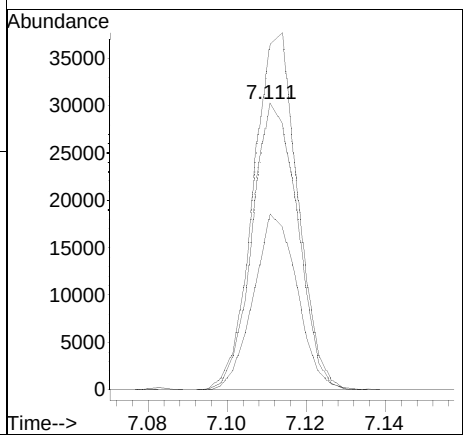


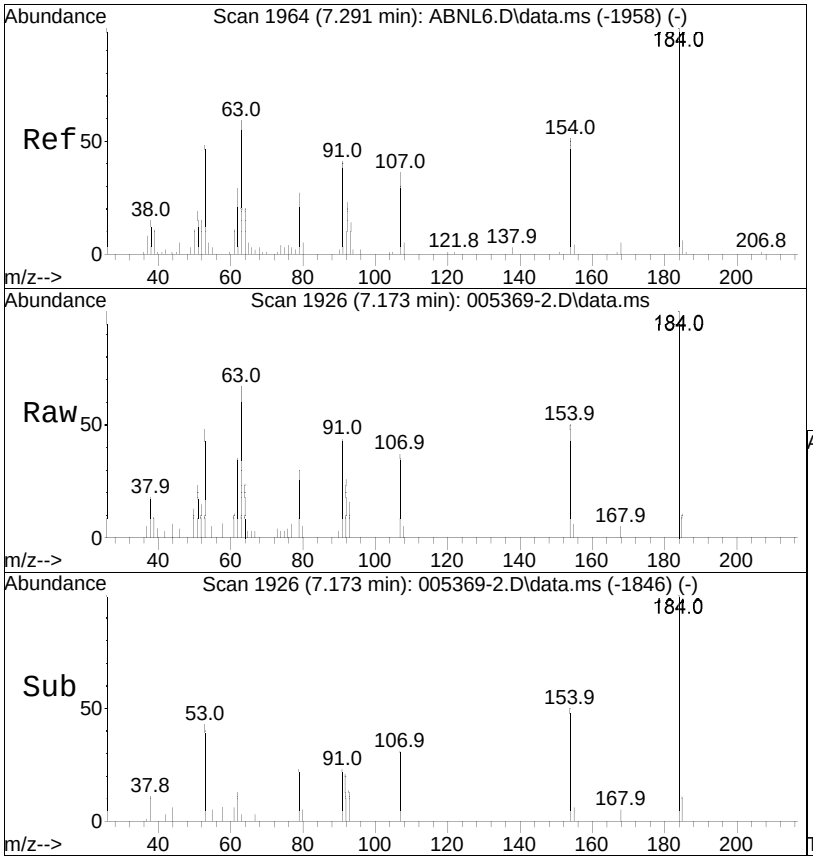


#67
Acenaphthene
Concen: 1.54 ug/ml
RT: 7.111 min Scan# 1906
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:154 Resp: 24100

Ion	Ratio	Lower	Upper
154	100		
153	122.2	85.3	127.9
152	59.6	41.4	62.0

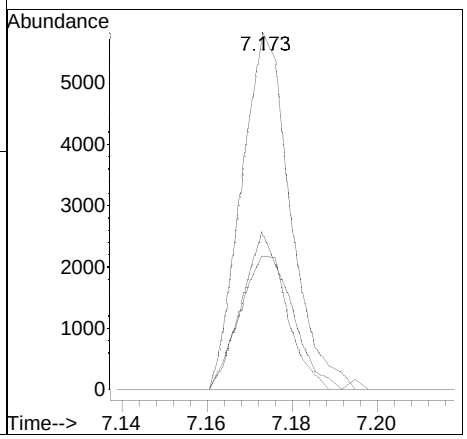


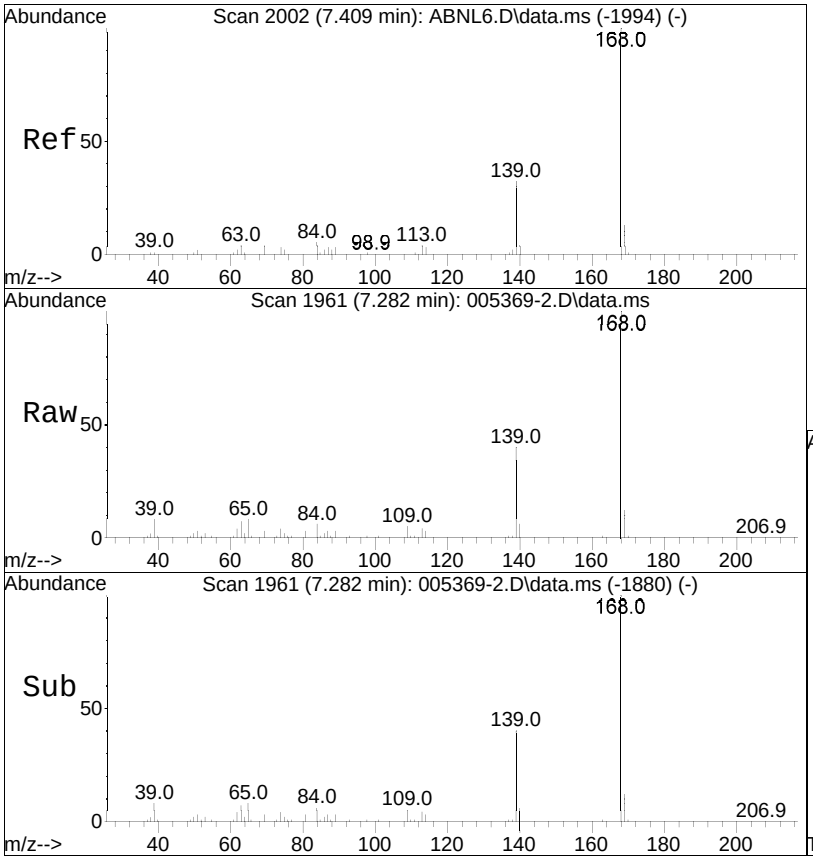


#68
2,4-Dinitrophenol
Concen: 1.83 ug/ml
RT: 7.173 min Scan# 1926
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:184 Resp: 4636

Ion	Ratio	Lower	Upper
184	100		
107	37.7	37.7	56.5
91	43.6	46.3	69.5#

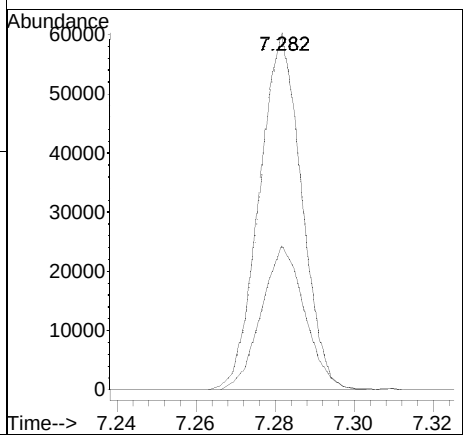


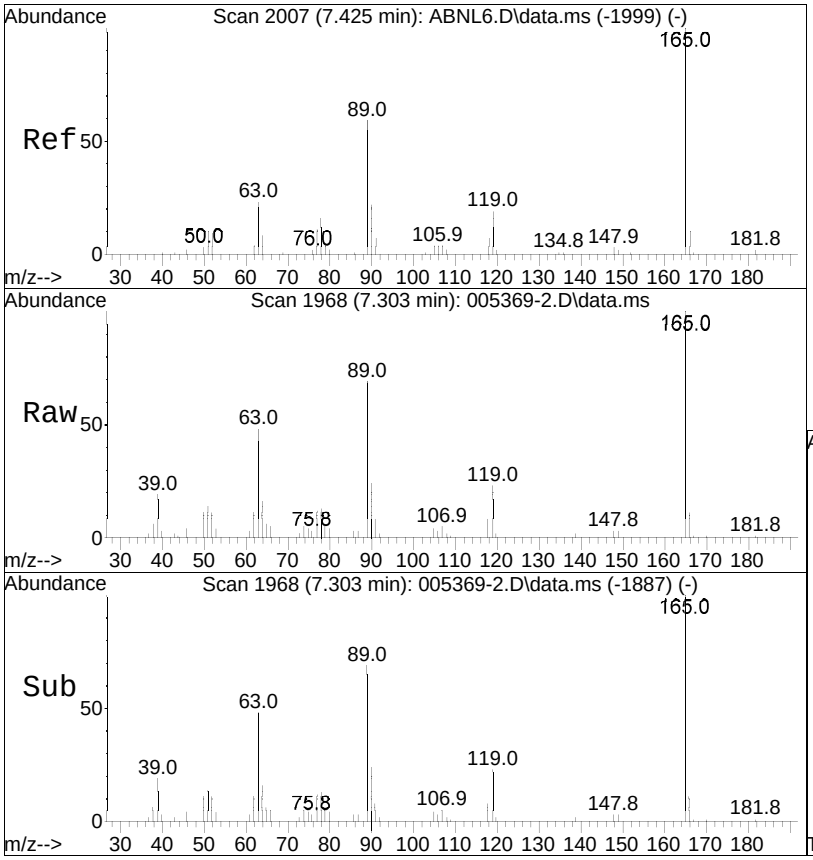


#69
Dibenzofuran
Concen: 1.63 ug/ml
RT: 7.282 min Scan# 1961
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:168 Resp: 44134

Ion	Ratio	Lower	Upper
168	100		
139	41.8	31.4	47.2

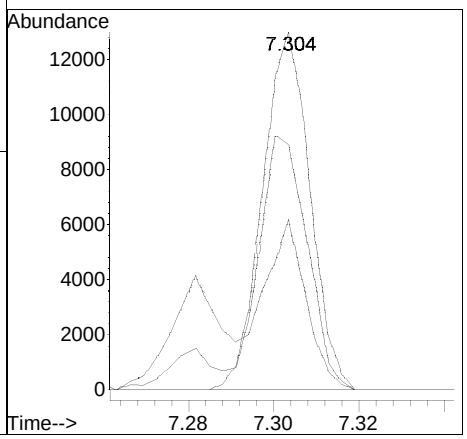


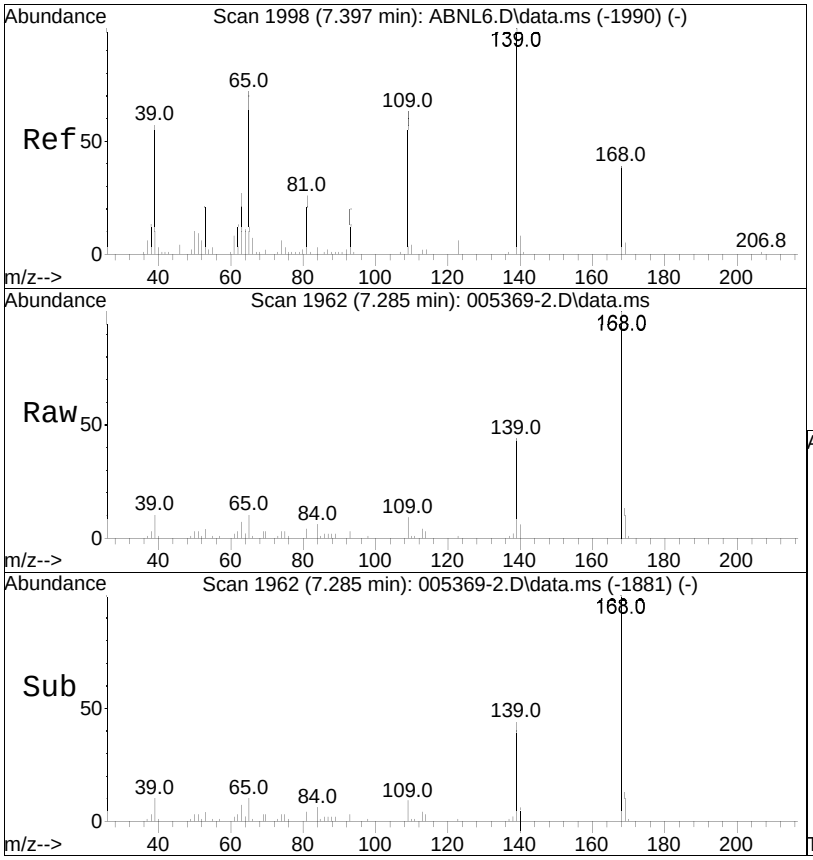


#70
2,4-Dinitrotoluene
Concen: 1.92 ug/ml
RT: 7.303 min Scan# 1968
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:165 Resp: 9997

Ion	Ratio	Lower	Upper
165	100		
89	72.2	72.0	108.0
63	43.2	52.7	79.1#

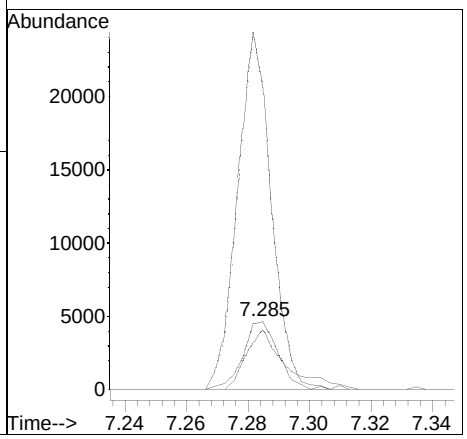


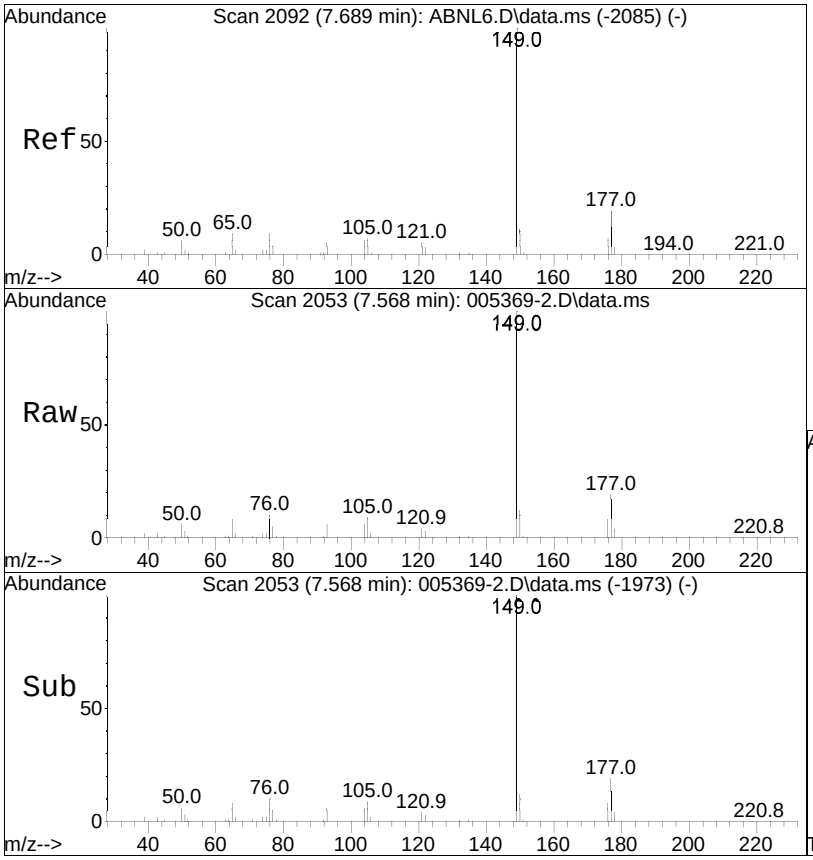


#71
4-Nitrophenol
Concen: 1.39 ug/ml
RT: 7.285 min Scan# 1962
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion: 65 Resp: 4311

Ion	Ratio	Lower	Upper
65	100		
109	69.0	47.4	71.2
139	428.0	76.6	115.0#

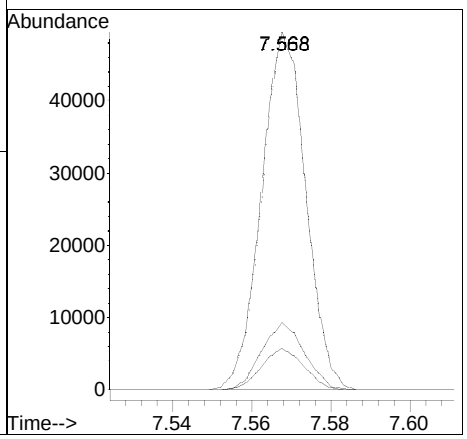


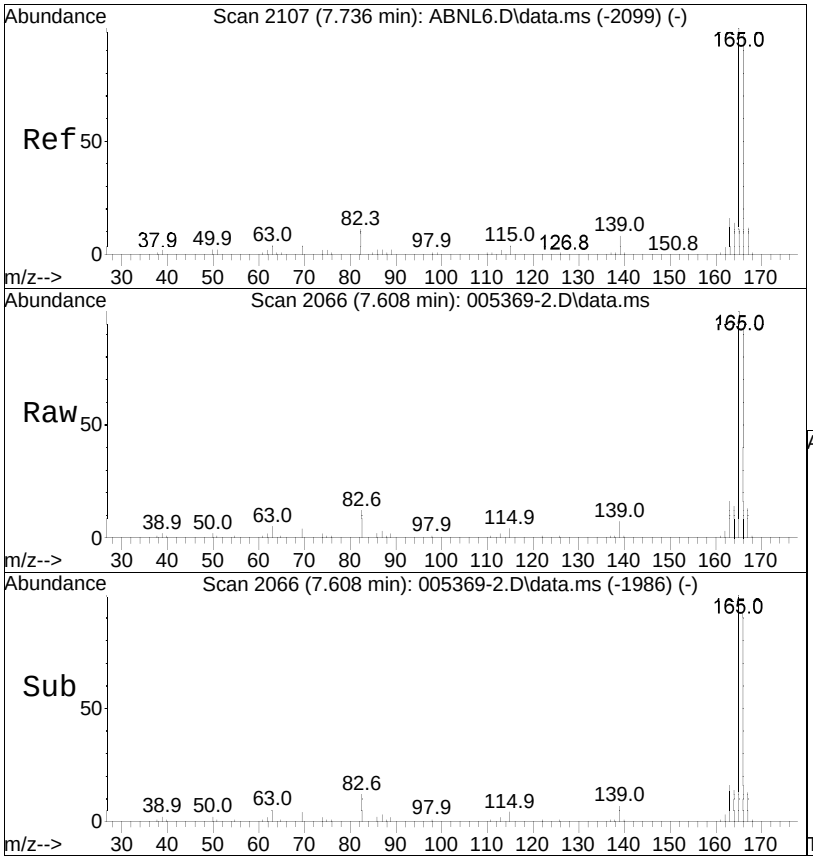


#74
Diethyl phthalate
Concen: 1.80 ug/ml
RT: 7.568 min Scan# 2053
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:149 Resp: 38057

Ion	Ratio	Lower	Upper
149	100		
177	18.4	16.1	24.1
150	11.2	9.4	14.2

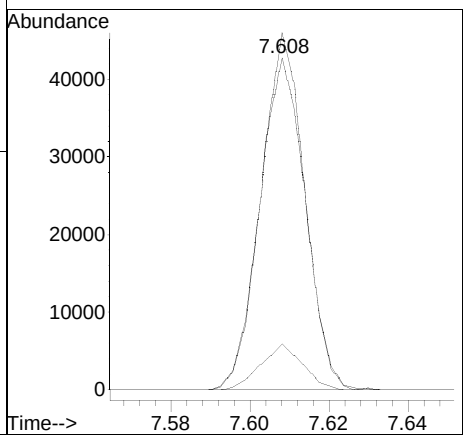


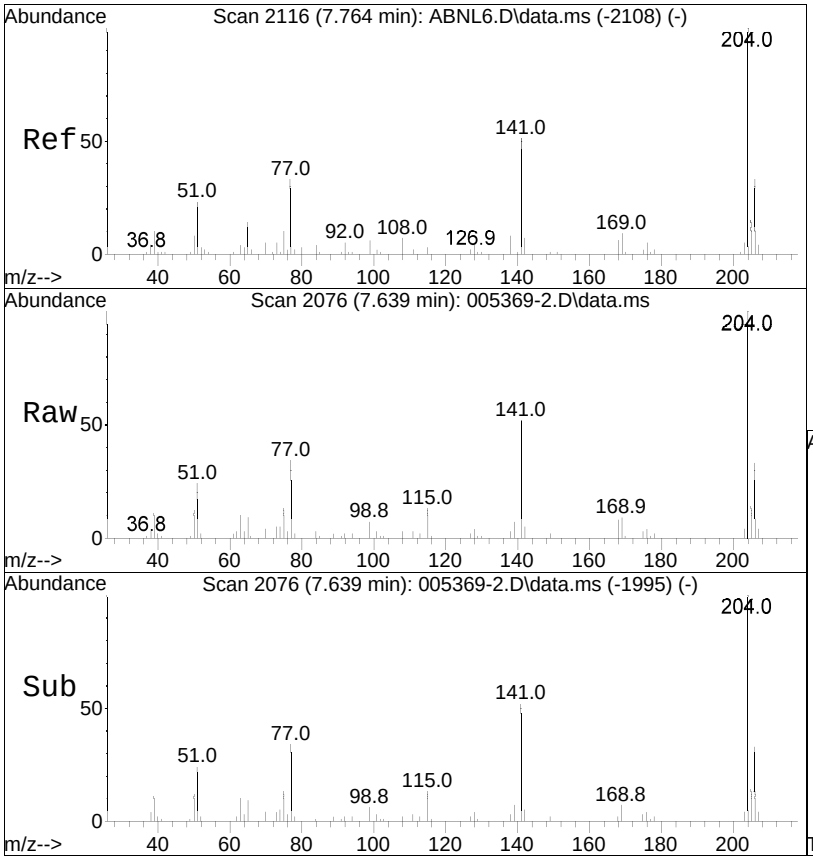


#75
Fluorene
Concen: 1.65 ug/ml
RT: 7.608 min Scan# 2066
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:166 Resp: 34121

Ion	Ratio	Lower	Upper
166	100		
165	103.6	76.2	114.2
167	12.9	10.6	15.8

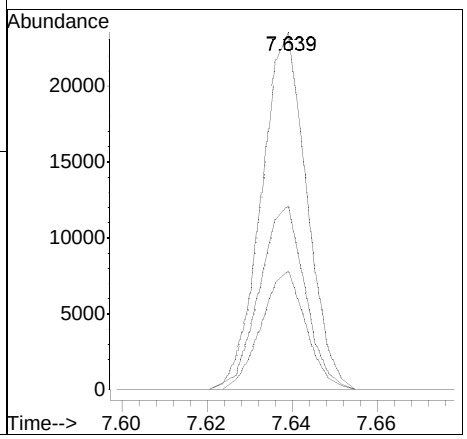


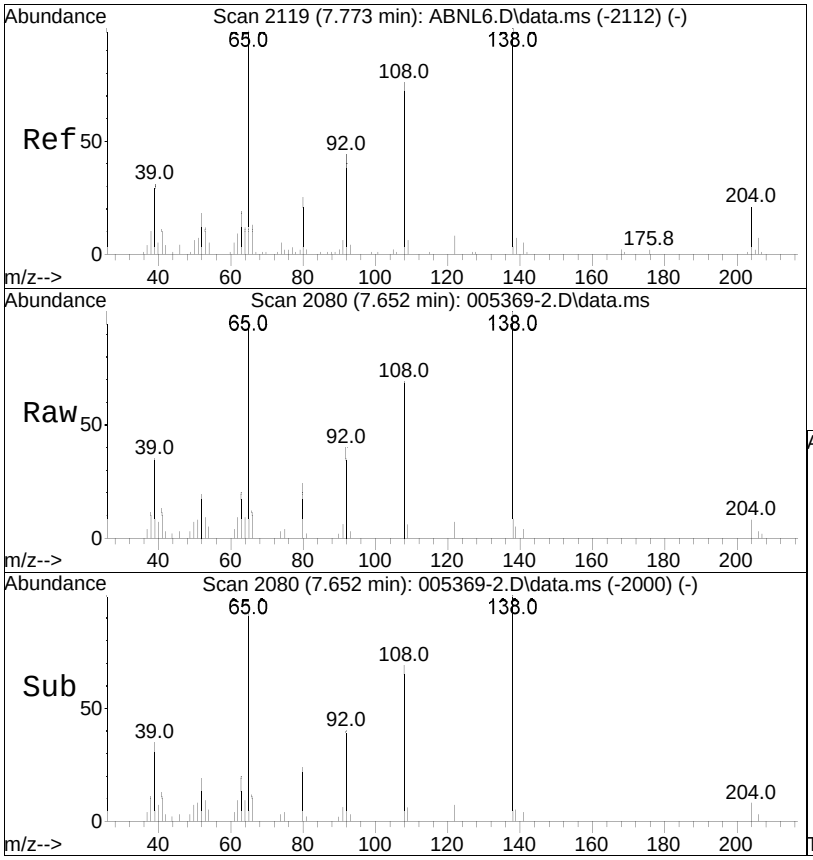


#76
4-Chlorophenyl phenyl ether
Concen: 1.62 ug/ml
RT: 7.639 min Scan# 2076
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:204 Resp: 17319

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.6
141	51.5	53.6	80.4#

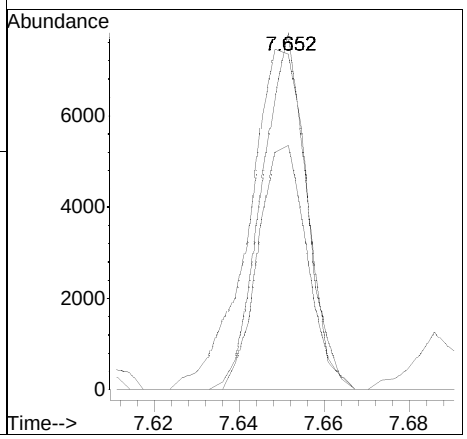


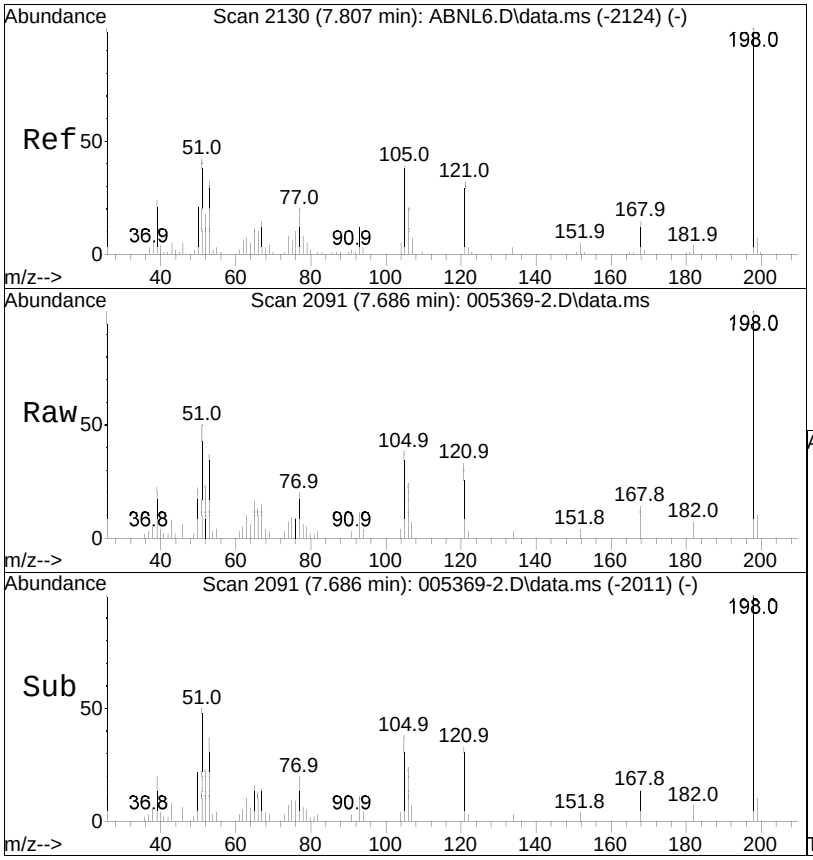


#77
4-Nitroaniline
Concen: 1.42 ug/ml
RT: 7.652 min Scan# 2080
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:138 Resp: 5718

Ion	Ratio	Lower	Upper
138	100		
108	74.9	52.1	78.1
65	124.7	115.0	172.6

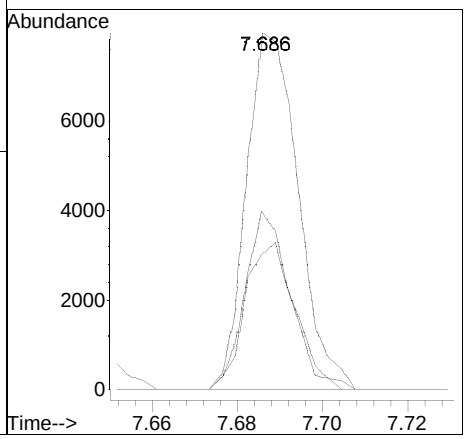


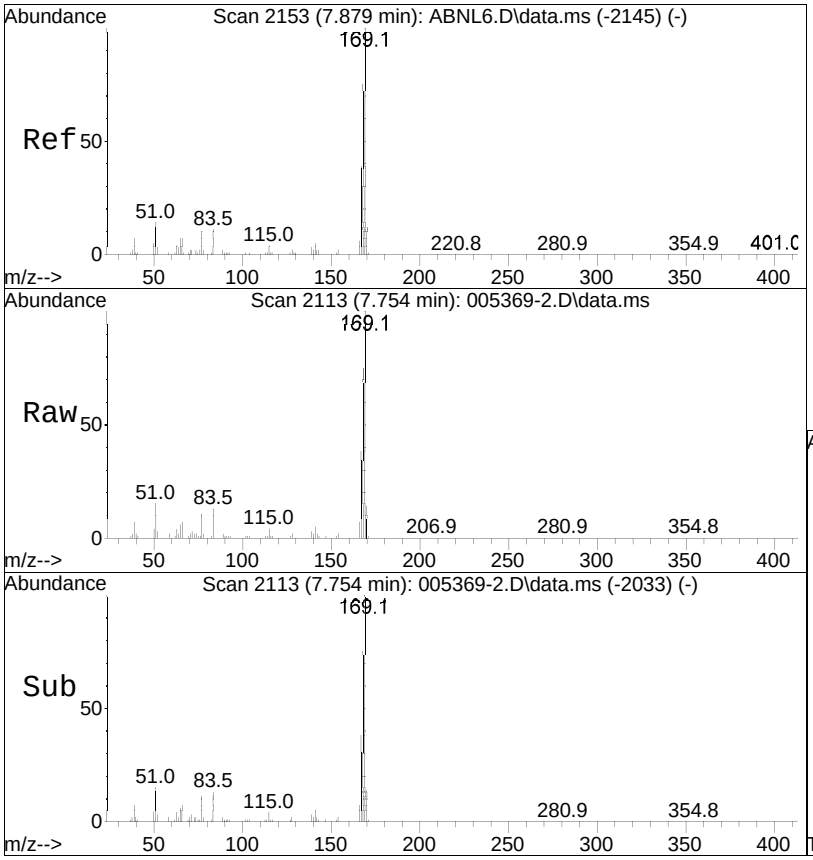


#78
4,6-Dinitro-o-cresol
Concen: 2.12 ug/ml
RT: 7.686 min Scan# 2091
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:198 Resp: 6688

Ion	Ratio	Lower	Upper
198	100		
51	44.8	76.0	114.0#
105	38.8	45.6	68.4#

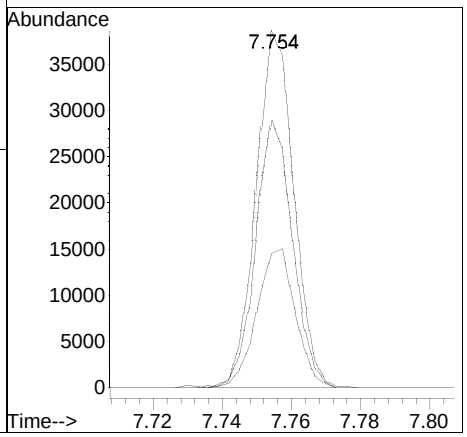


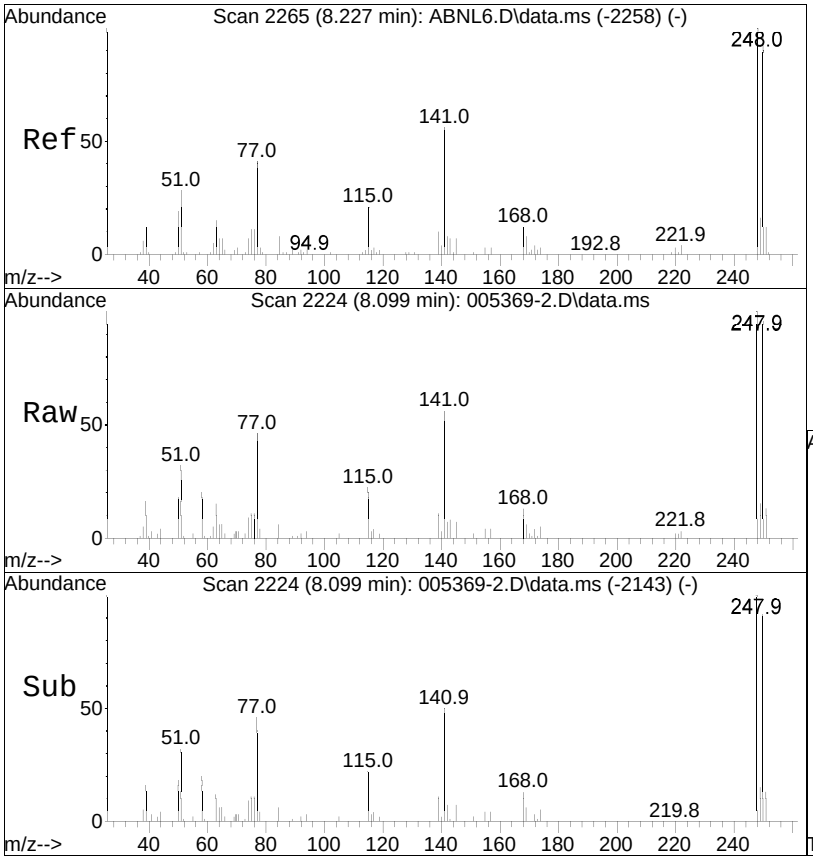


#79
NDPA/DPA
Concen: 1.62 ug/ml
RT: 7.754 min Scan# 2113
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:169 Resp: 29232

Ion	Ratio	Lower	Upper
169	100		
168	73.8	54.0	81.0
167	40.1	28.6	42.8

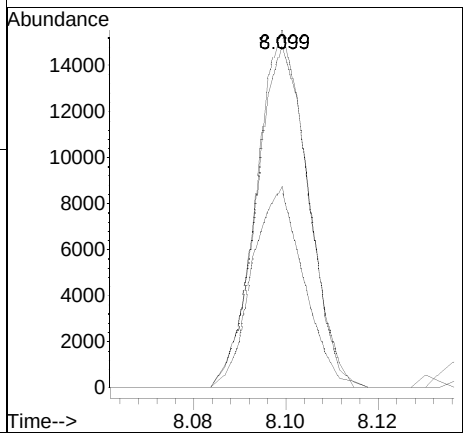


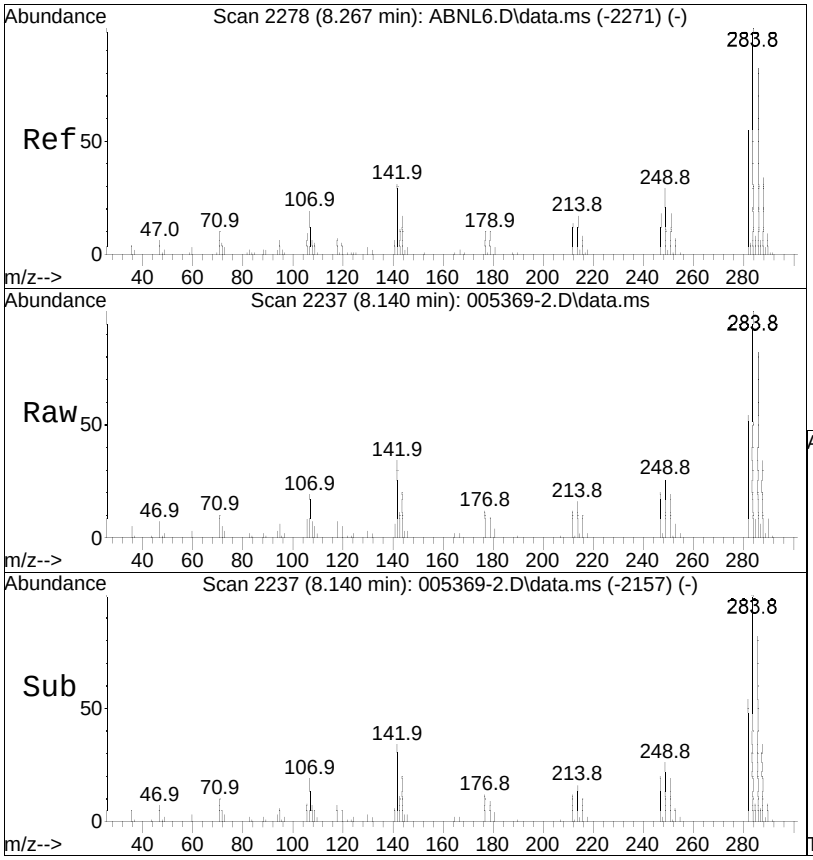


#82
4-Bromophenyl phenyl ether
Concen: 1.70 ug/ml
RT: 8.099 min Scan# 2224
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:248 Resp: 11928

Ion	Ratio	Lower	Upper
248	100		
141	56.5	76.6	114.8#
250	97.4	77.3	115.9

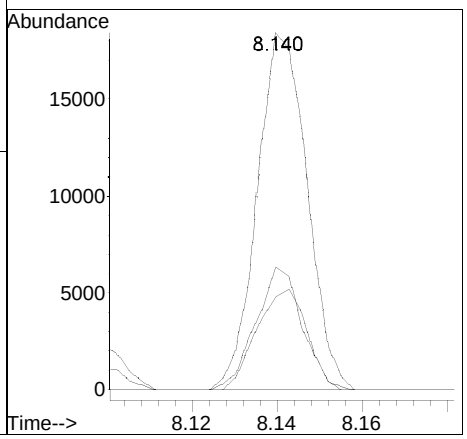


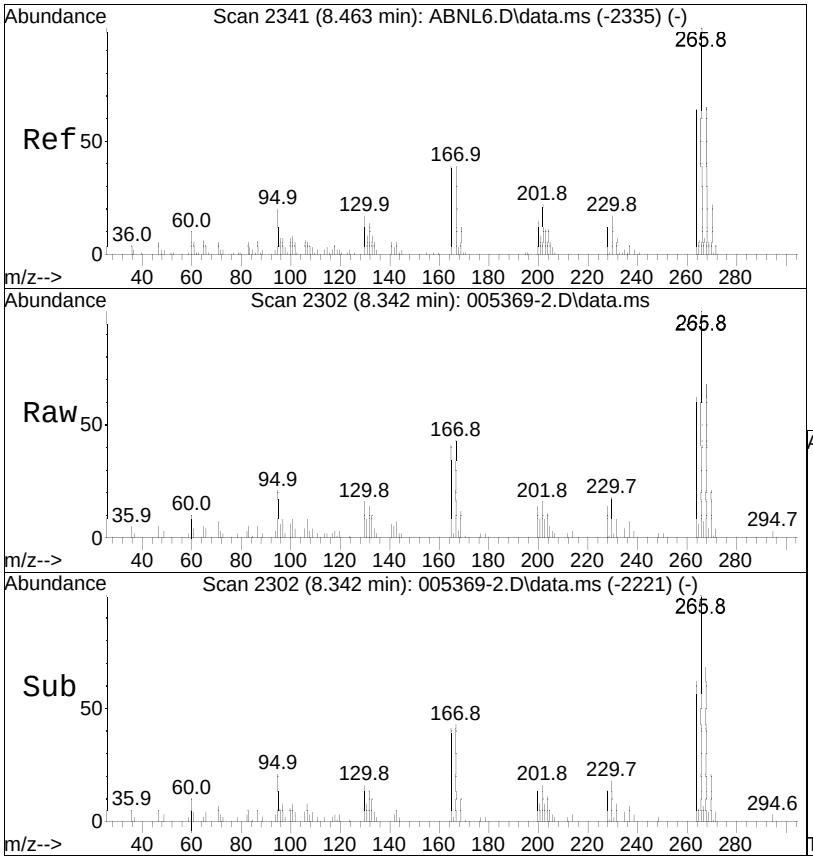


#83
Hexachlorobenzene
Concen: 1.69 ug/ml
RT: 8.140 min Scan# 2237
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:284 Resp: 14942

Ion	Ratio	Lower	Upper
284	100		
142	32.0	41.9	62.9#
249	28.5	24.1	36.1

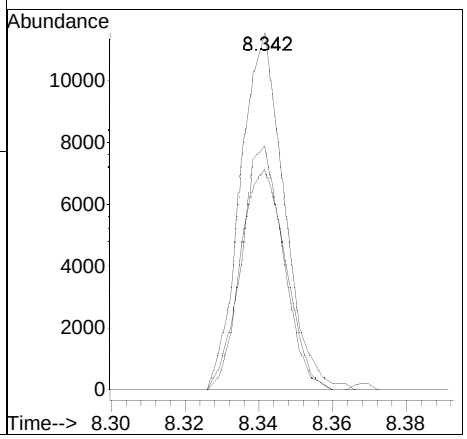


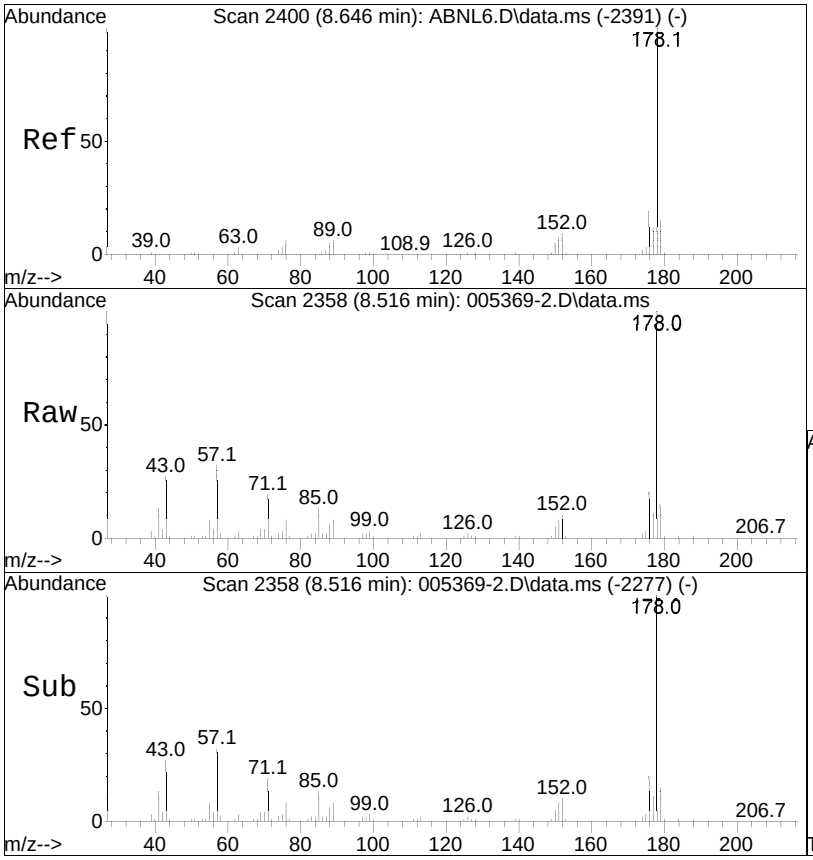


#84
Pentachlorophenol
Concen: 1.98 ug/ml
RT: 8.342 min Scan# 2302
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:266 Resp: 9490

Ion	Ratio	Lower	Upper
266	100		
264	62.6	49.7	74.5
268	67.3	50.5	75.7

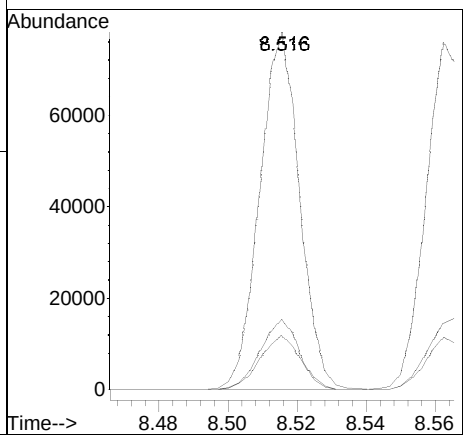


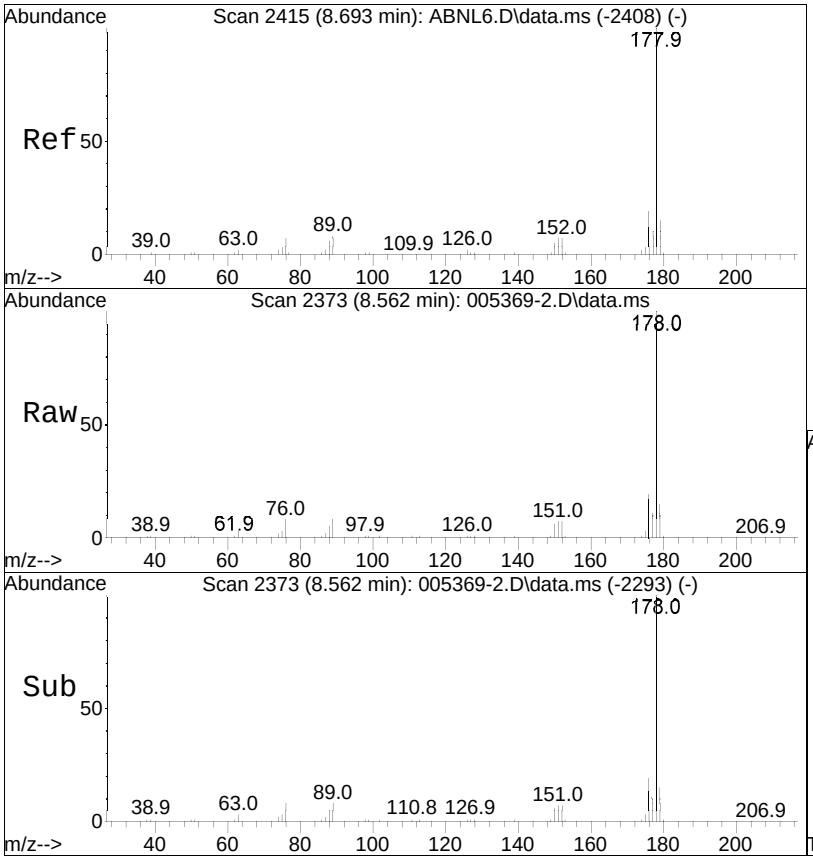


#91
Phenanthrene
Concen: 1.82 ug/ml
RT: 8.516 min Scan# 2358
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:178 Resp: 62425

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	19.3	15.4	23.2

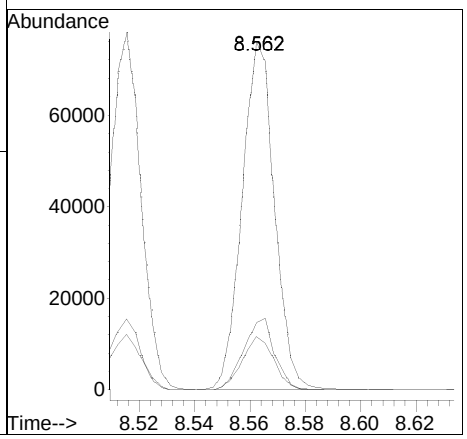


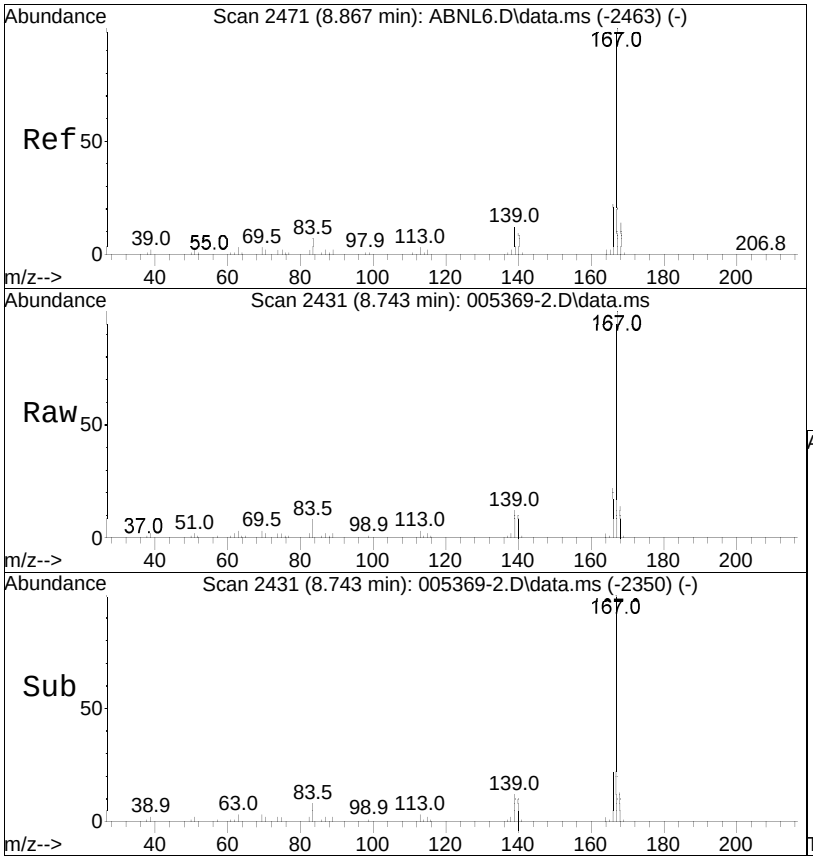


#92
Anthracene
Concen: 1.83 ug/ml
RT: 8.562 min Scan# 2373
Delta R.T. -0.000 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:178 Resp: 61835

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.0	18.0
176	19.7	14.6	22.0

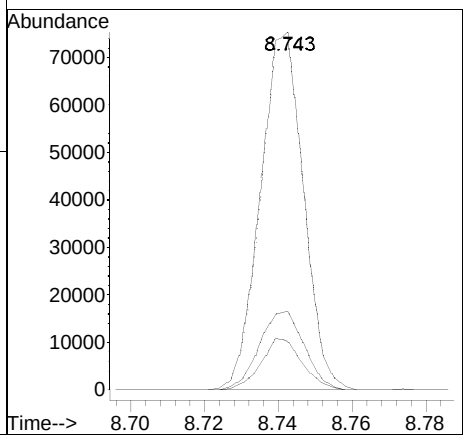


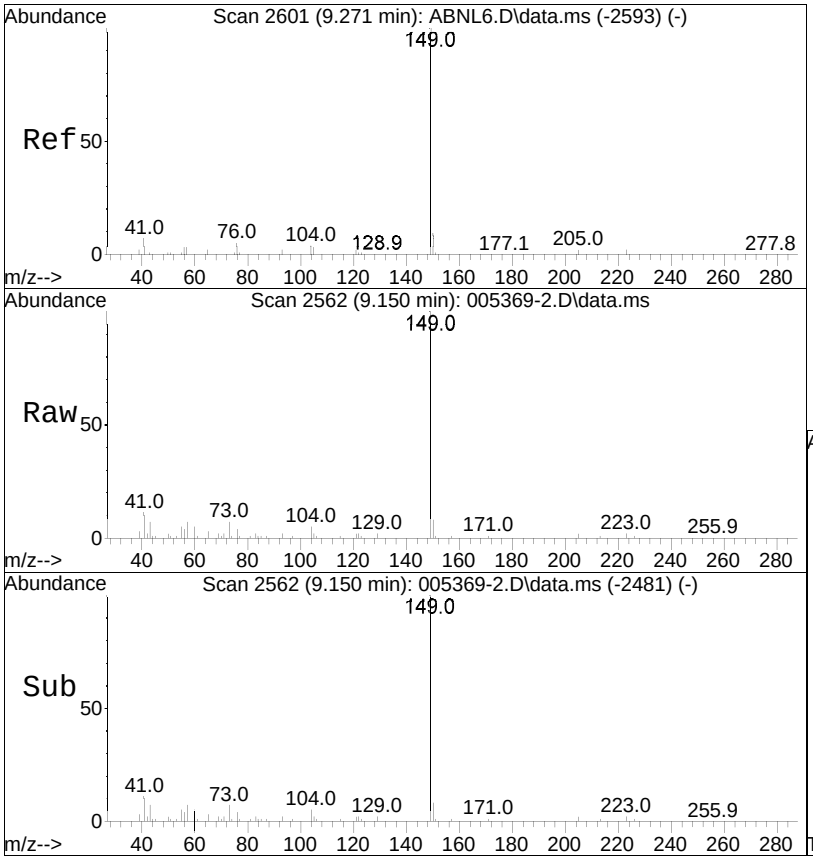


#93
Carbazole
Concen: 1.96 ug/ml
RT: 8.743 min Scan# 2431
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:167 Resp: 60491

Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.6	15.8
166	23.0	17.4	26.0

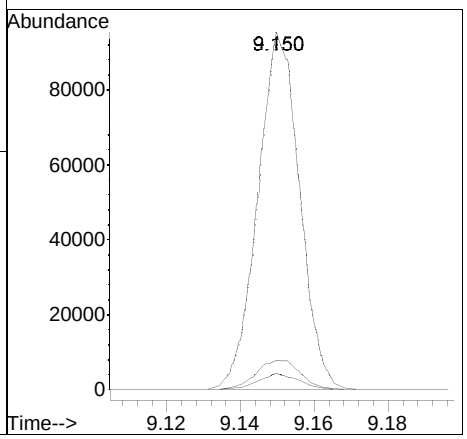


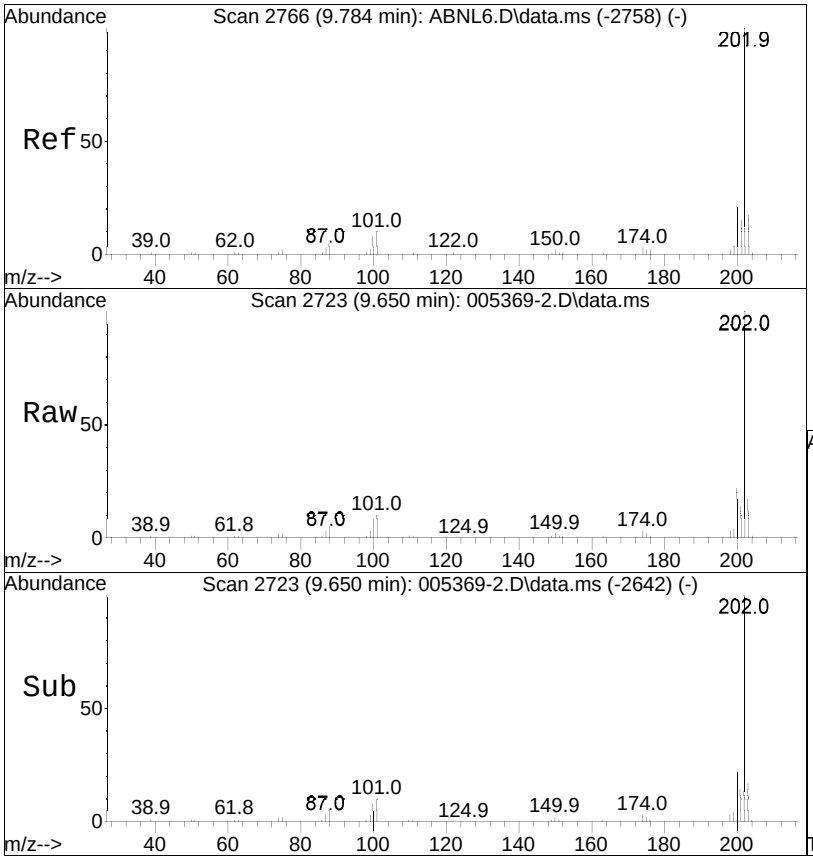


#94
Di-n-butylphthalate
Concen: 2.11 ug/ml
RT: 9.150 min Scan# 2562
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:149 Resp: 73961

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	4.2	4.5	6.7#

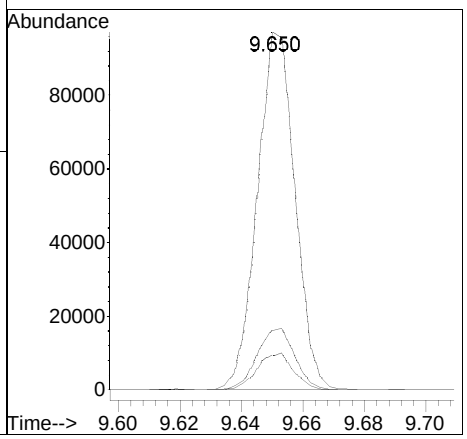


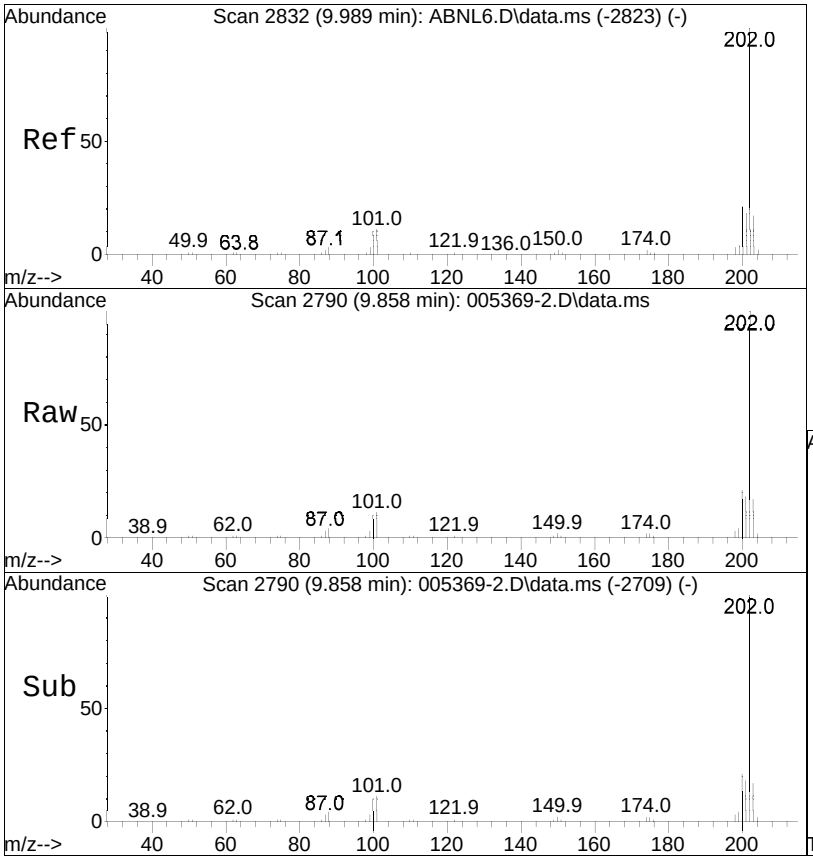


#95
Fluoranthene
Concen: 1.98 ug/ml
RT: 9.650 min Scan# 2723
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:202 Resp: 81743

Ion	Ratio	Lower	Upper
202	100		
101	10.1	13.5	20.3#
203	17.3	13.6	20.4

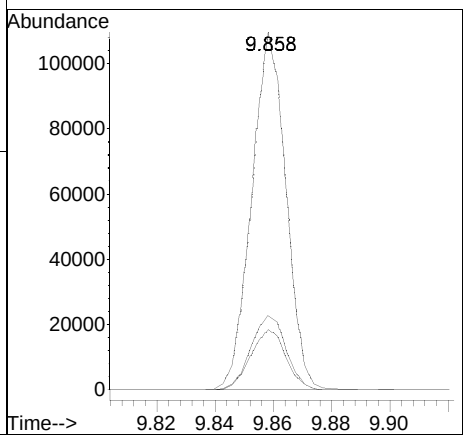


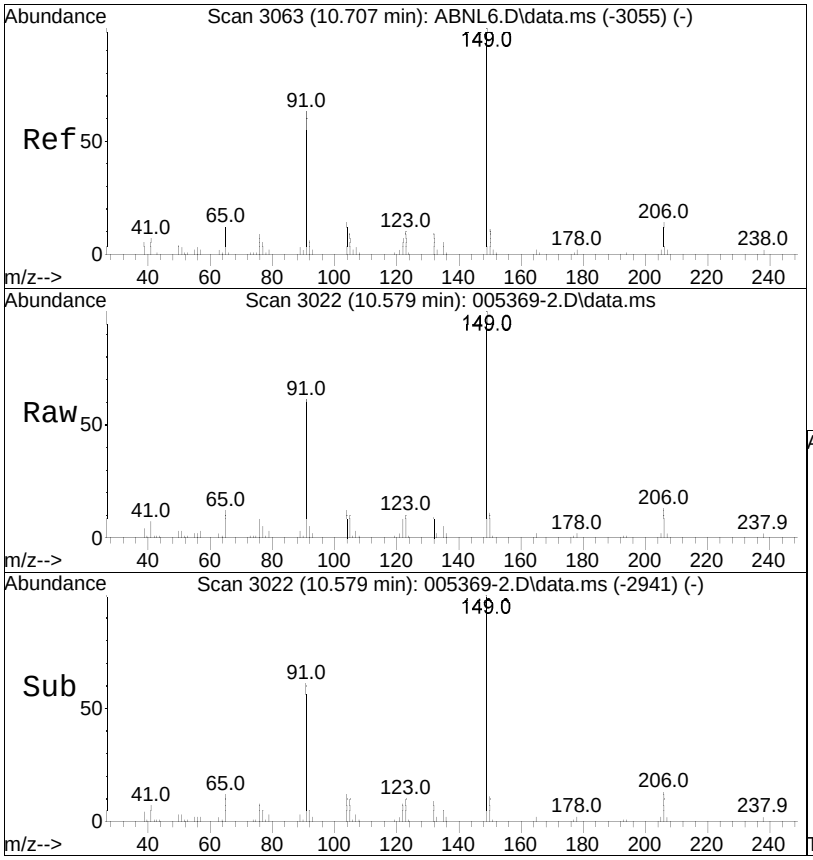


#97
Pyrene
Concen: 2.00 ug/ml
RT: 9.858 min Scan# 2790
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:202 Resp: 88500

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	17.4	14.2	21.4

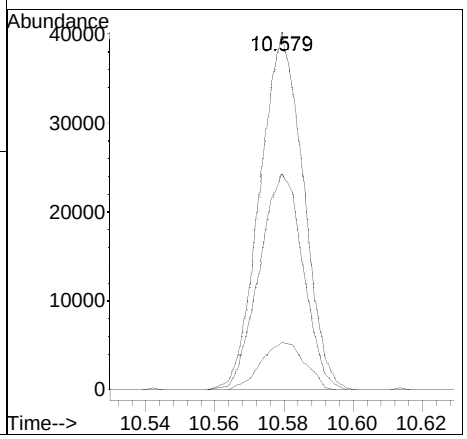


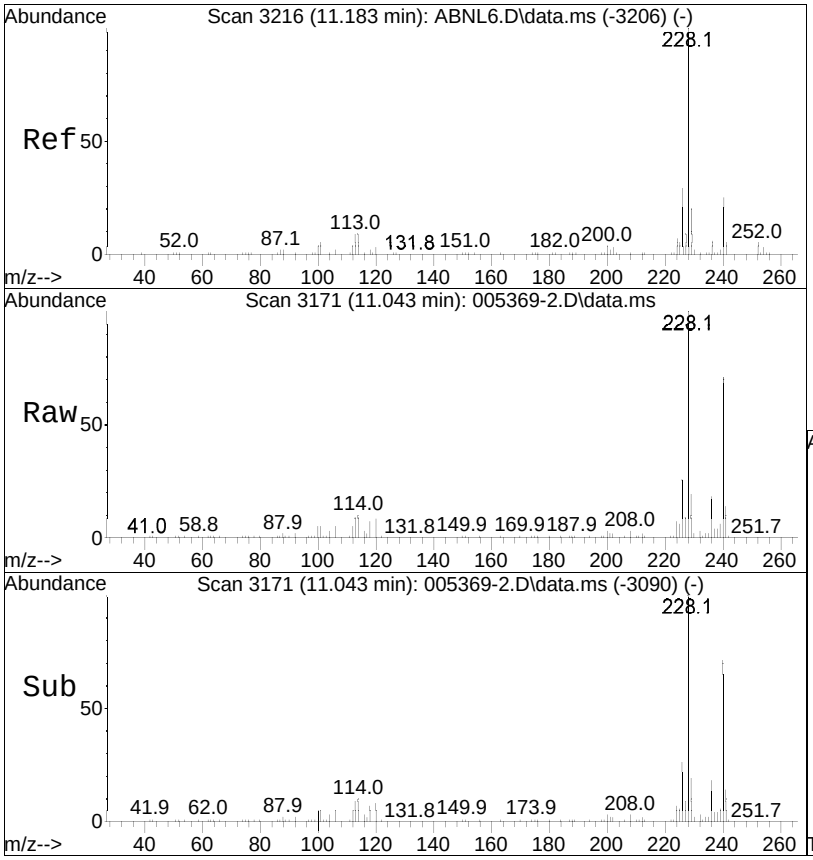


#99
Butyl benzyl phthalate
Concen: 2.31 ug/ml
RT: 10.579 min Scan# 3022
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:149 Resp: 34653

Ion	Ratio	Lower	Upper
149	100		
91	61.5	63.3	94.9#
206	13.6	13.9	20.9#

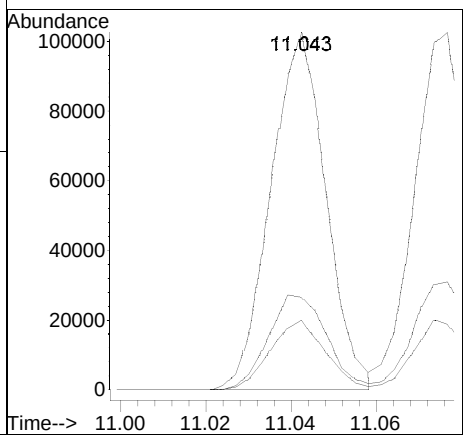


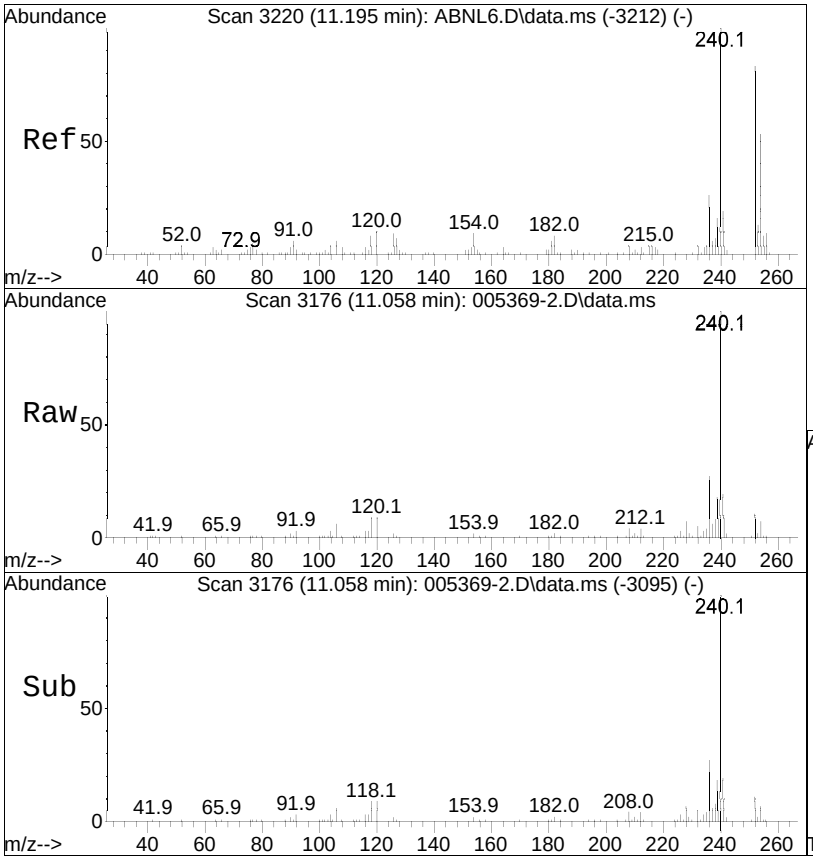


#107
Benzo(a)anthracene
Concen: 1.86 ug/ml
RT: 11.043 min Scan# 3171
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:228 Resp: 91857

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.4
229	19.6	15.6	23.4

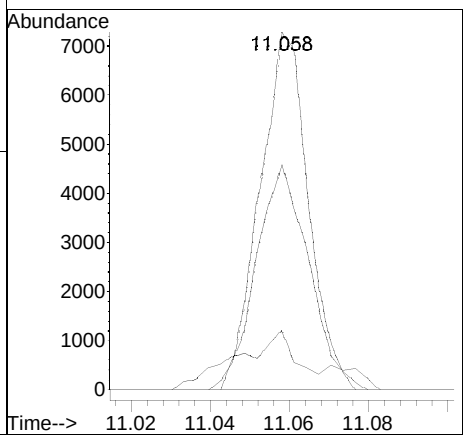


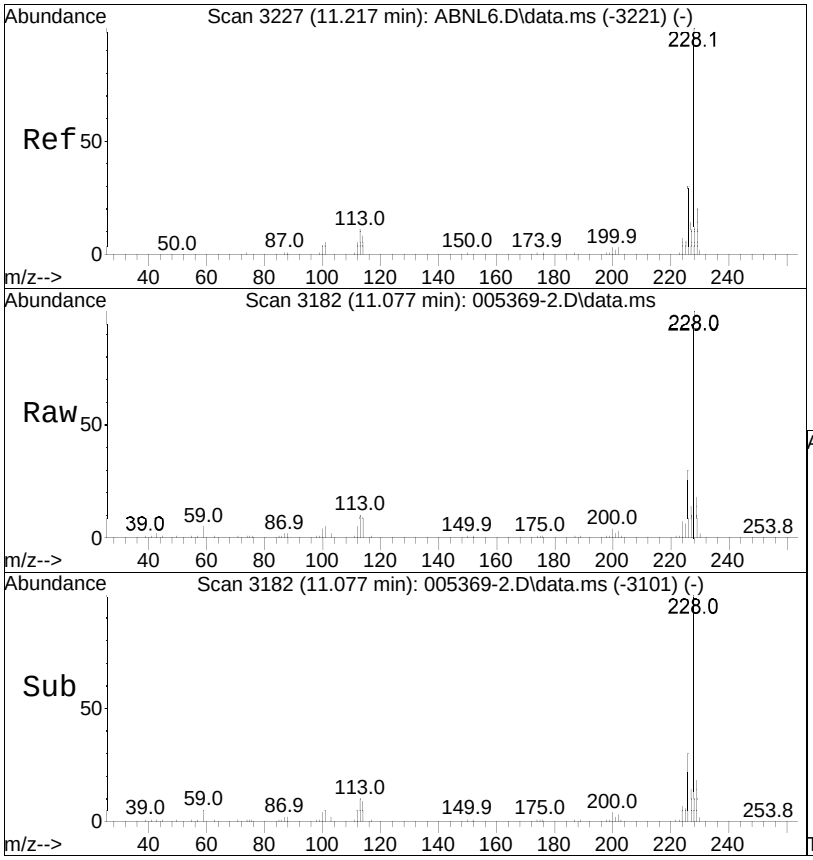


#108
3,3'-Dichlorobenzidine
Concen: 0.34 ug/ml
RT: 11.058 min Scan# 3176
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:252 Resp: 6185

Ion	Ratio	Lower	Upper
252	100		
126	20.7	14.5	21.7
254	67.7	51.2	76.8

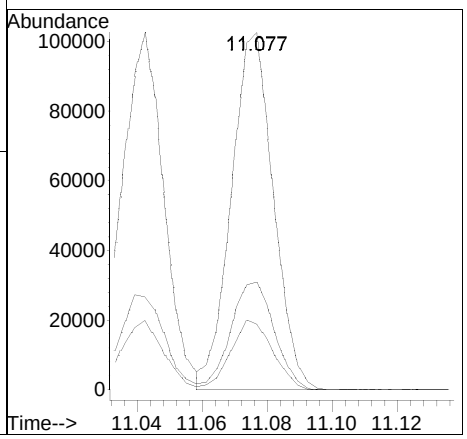


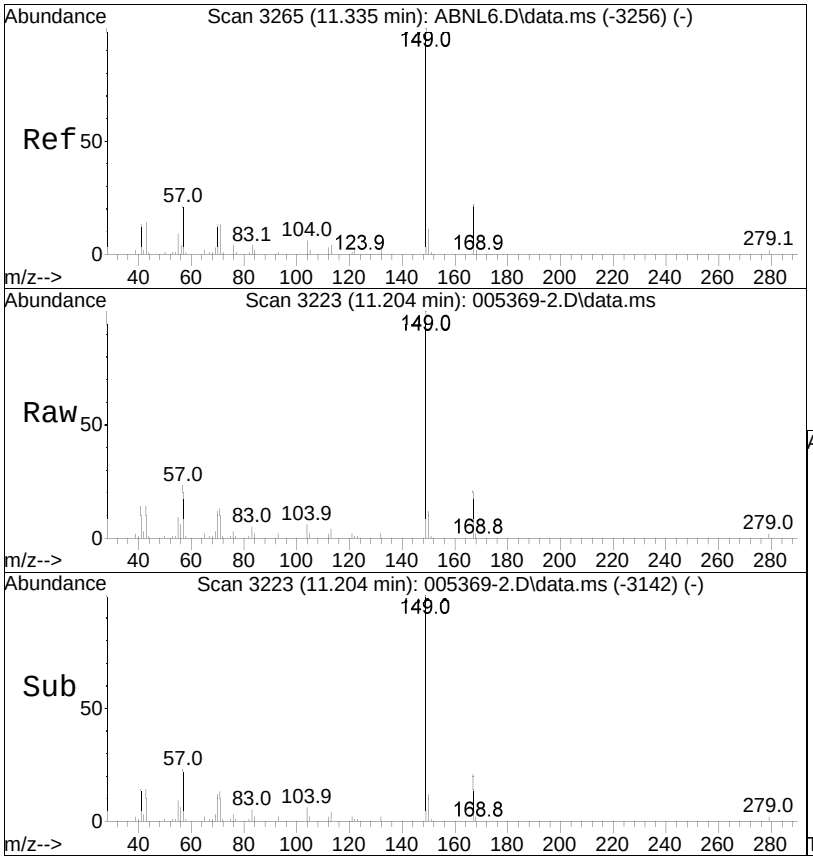


#109
Chrysene
Concen: 1.86 ug/ml
RT: 11.077 min Scan# 3182
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:228 Resp: 91870

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.0	36.0
229	19.5	15.8	23.8

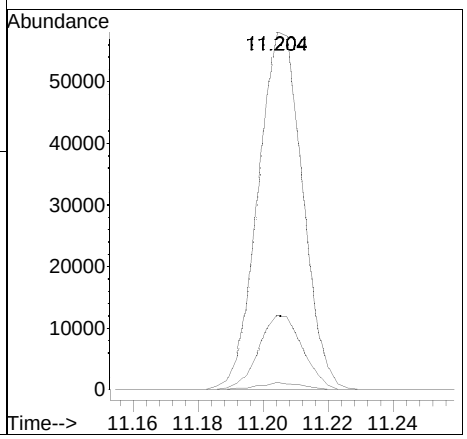


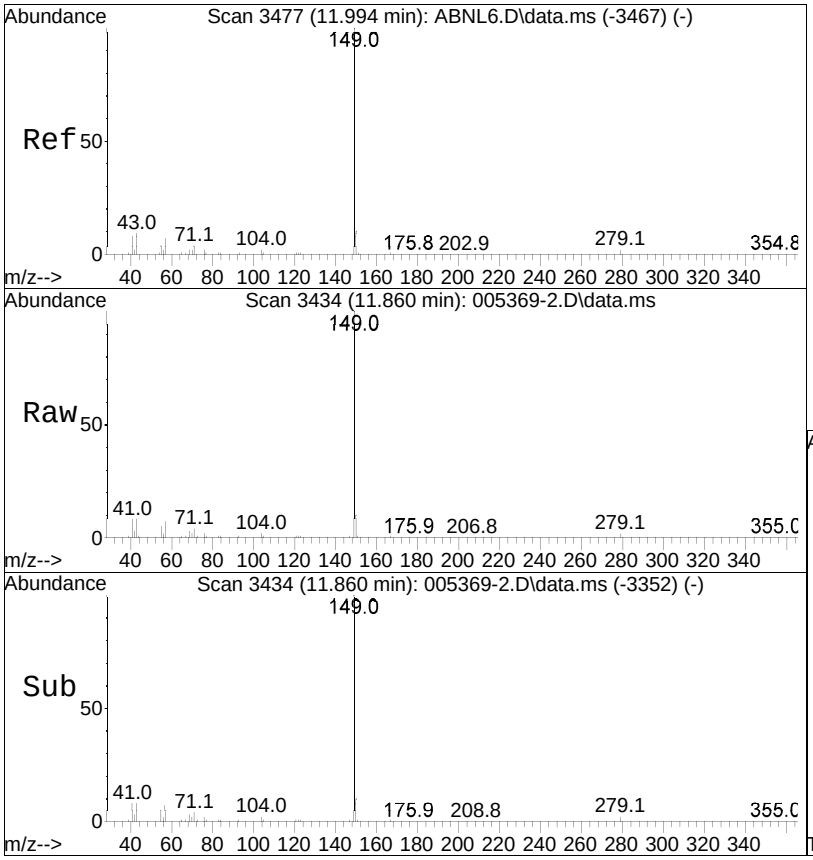


#110
Bis(2-ethylhexyl)phthalate
Concen: 2.06 ug/ml
RT: 11.204 min Scan# 3223
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:149 Resp: 54678

Ion	Ratio	Lower	Upper
149	100		
167	20.4	22.1	33.1#
279	1.7	3.0	4.4#

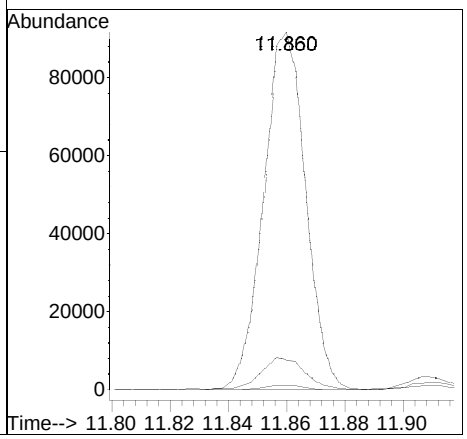


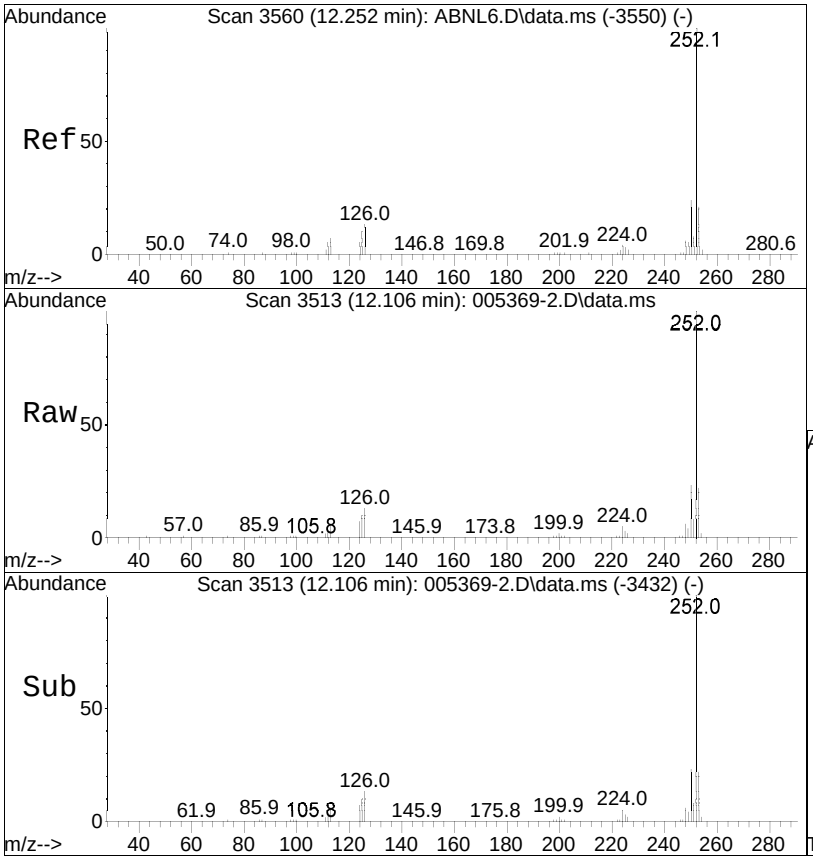


#111
Di-n-octylphthalate
Concen: 2.06 ug/ml
RT: 11.860 min Scan# 3434
Delta R.T. 0.006 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:149 Resp: 91044

Ion	Ratio	Lower	Upper
149	100		
43	9.1	18.8	28.2#
167	1.2	1.3	1.9#

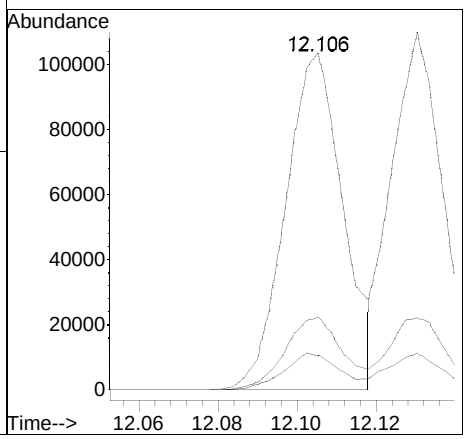


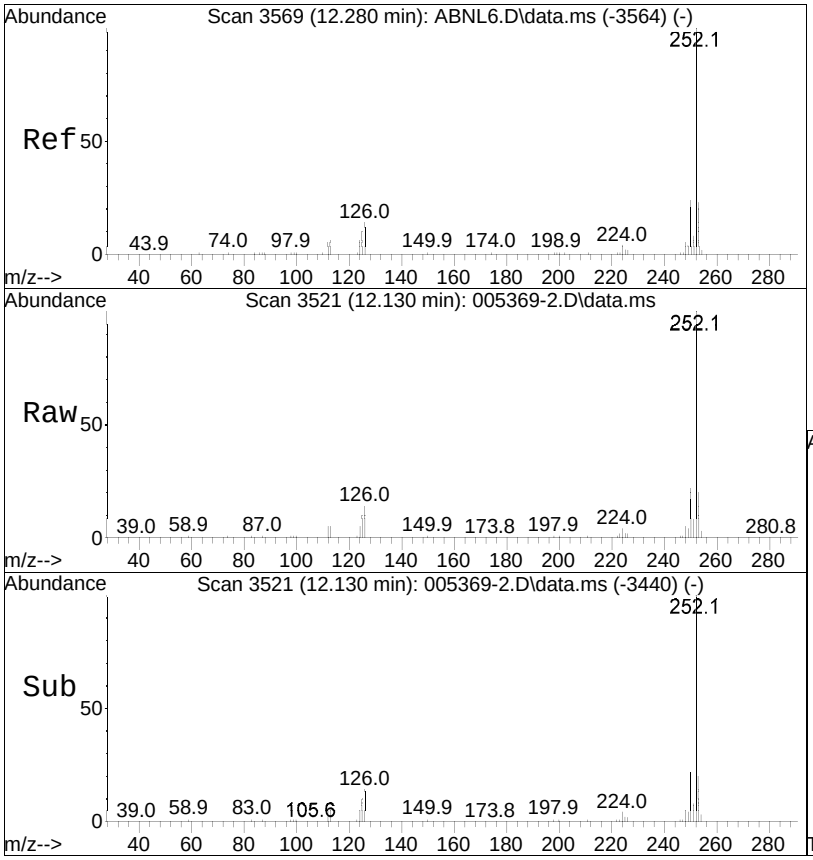


#112
Benzo(b)fluoranthene
Concen: 2.03 ug/ml
RT: 12.106 min Scan# 3513
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:252 Resp: 105131

Ion	Ratio	Lower	Upper
252	100		
125	10.2	13.3	19.9#
253	21.7	17.1	25.7

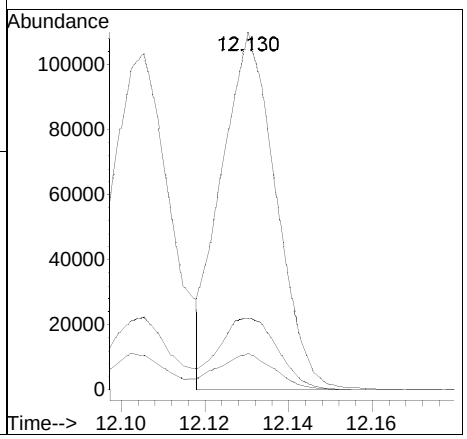


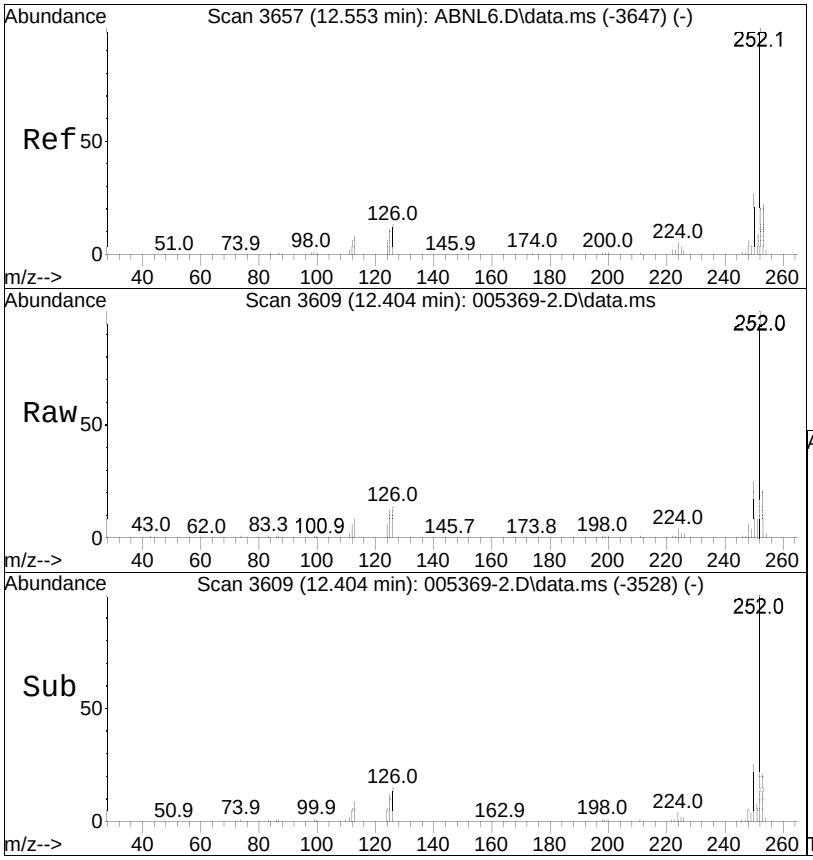


#113
Benzo(k)fluoranthene
Concen: 1.96 ug/ml M3
RT: 12.130 min Scan# 3521
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:252 Resp: 99096

Ion	Ratio	Lower	Upper
252	100		
125	14.1	13.0	19.6
253	18.8	16.8	25.2

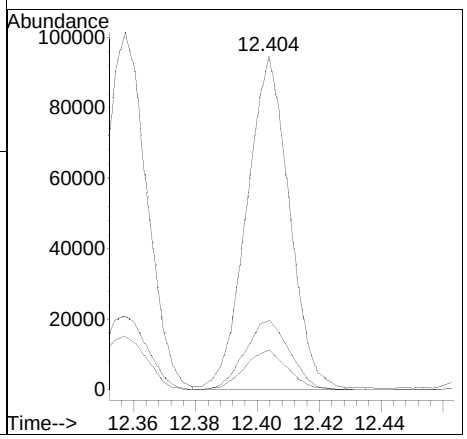


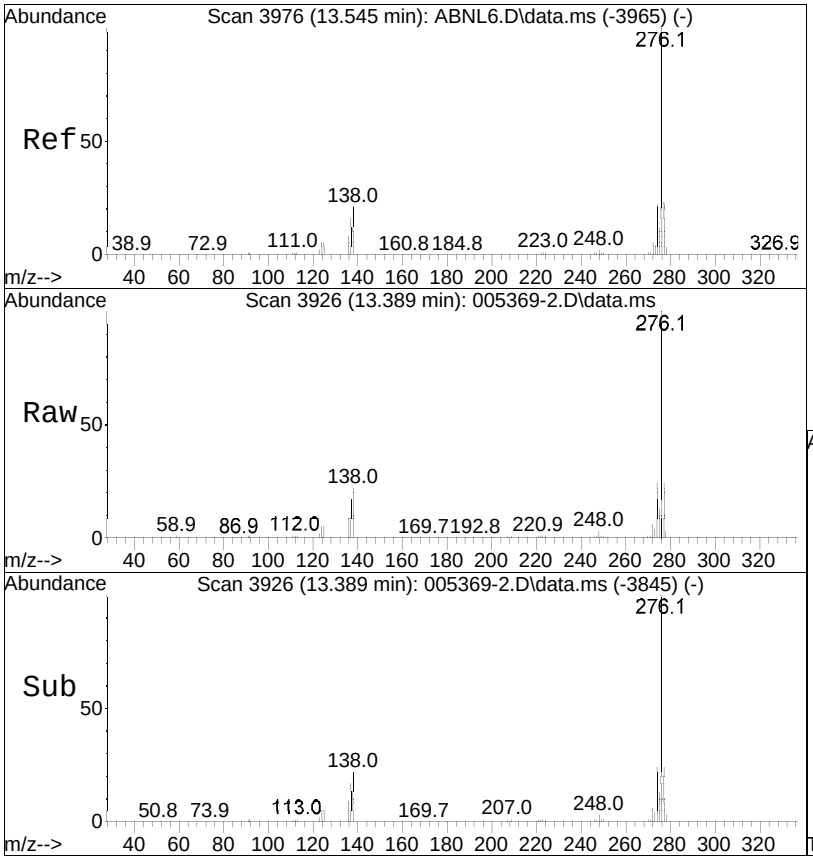


#114
Benzo(a)pyrene
Concen: 1.97 ug/ml M3
RT: 12.404 min Scan# 3609
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:252 Resp: 91224

Ion	Ratio	Lower	Upper
252	100		
125	17.3	14.2	21.2
253	23.4	16.9	25.3

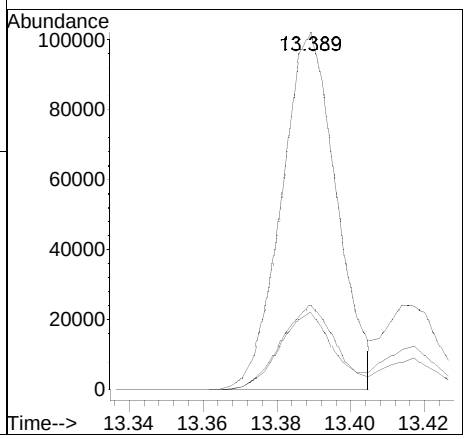


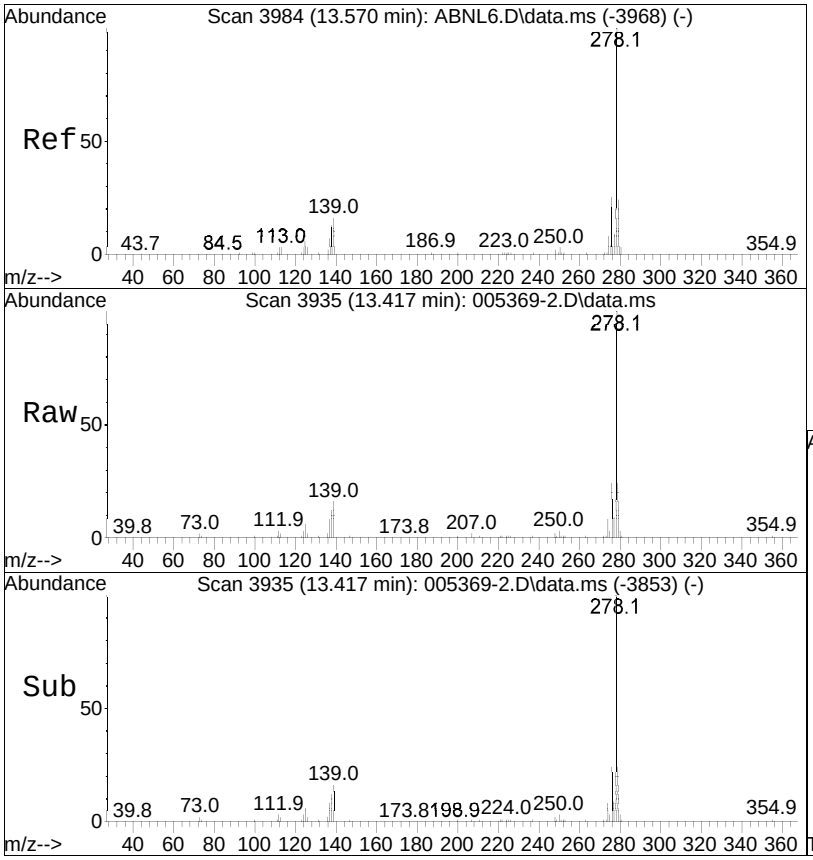


#116
Indeno(1,2,3-cd)pyrene
Concen: 1.90 ug/mL
RT: 13.389 min Scan# 3926
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:276 Resp: 105450

Ion	Ratio	Lower	Upper
276	100		
138	22.0	25.1	37.7#
277	24.0	18.6	28.0

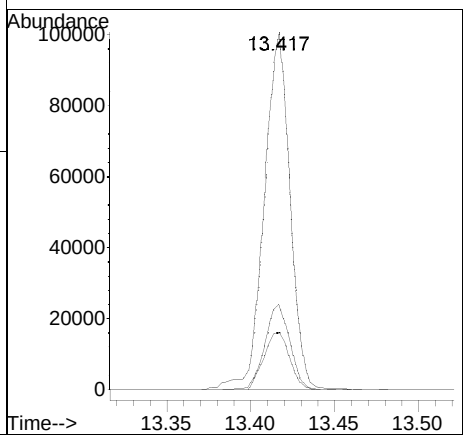


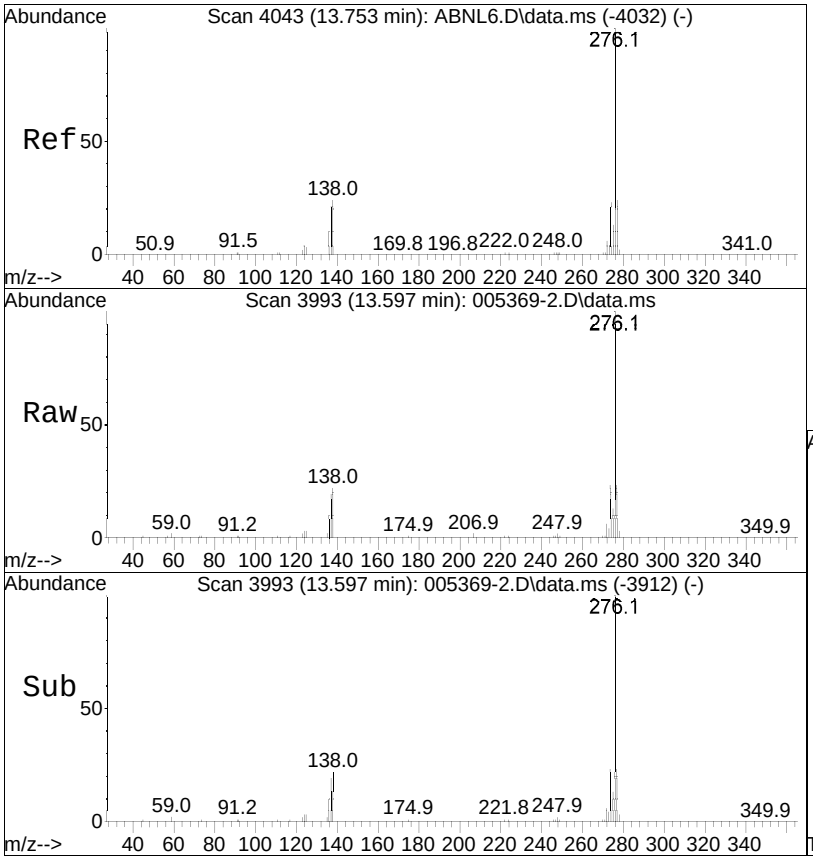


#117
Dibenzo(a,h)anthracene
Concen: 1.96 ug/ml
RT: 13.417 min Scan# 3935
Delta R.T. 0.006 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:278 Resp: 106526

Ion	Ratio	Lower	Upper
278	100		
139	16.2	20.8	31.2#
279	23.3	18.3	27.5

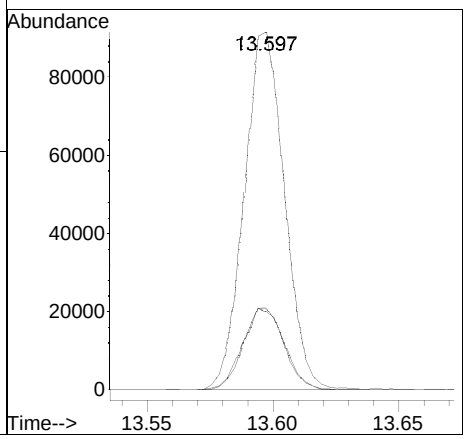




#118
Benzo(ghi)perylene
Concen: 1.89 ug/ml
RT: 13.597 min Scan# 3993
Delta R.T. 0.003 min
Lab File: 005369-2.D
Acq: 5 Dec 2024 11:56 am

Tgt Ion:276 Resp: 101146

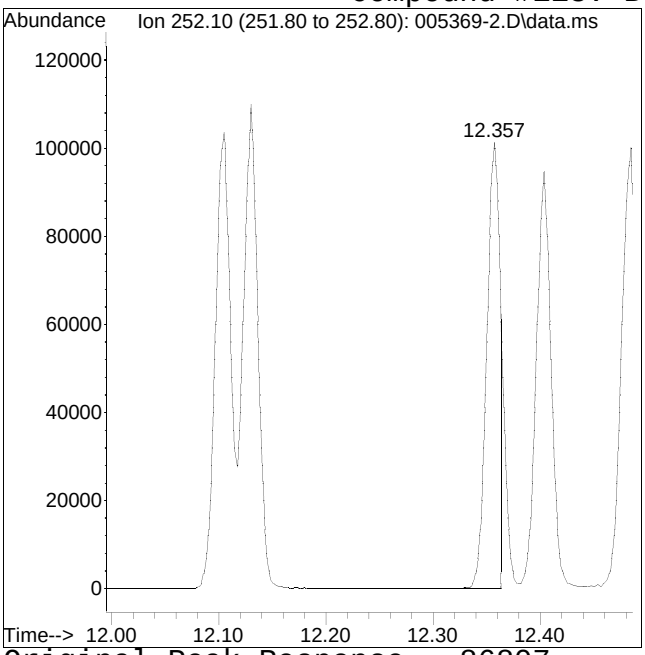
Ion	Ratio	Lower	Upper
276	100		
138	23.3	29.2	43.8#
277	23.4	18.8	28.2

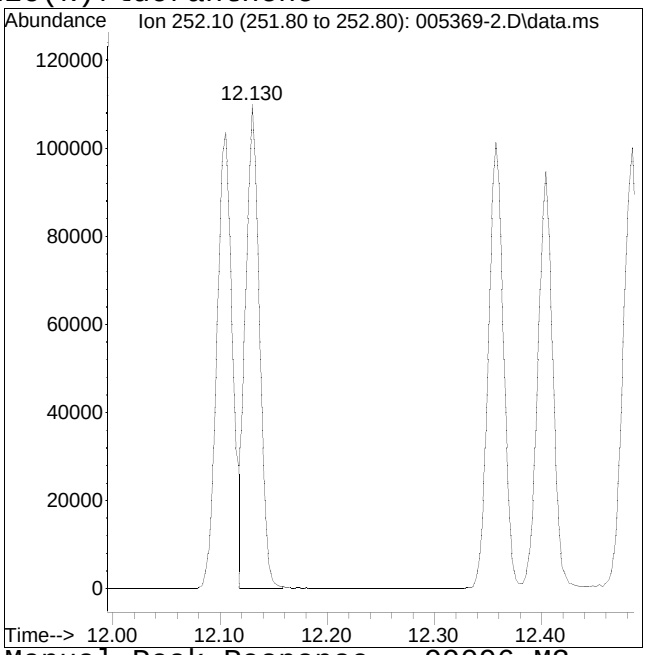


Manual Integration Report

Data Path : I:\8270\Dakota\241205RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 005369-2.D Operator : Dakota:ek
Date Inj'd : 12/5/2024 11:56 am Instrument : Dakota
Sample : WG2005369-2,32,,HNY Quant Date : 12/5/2024 12:14 pm

Compound #113: Benzo(k)fluoranthene





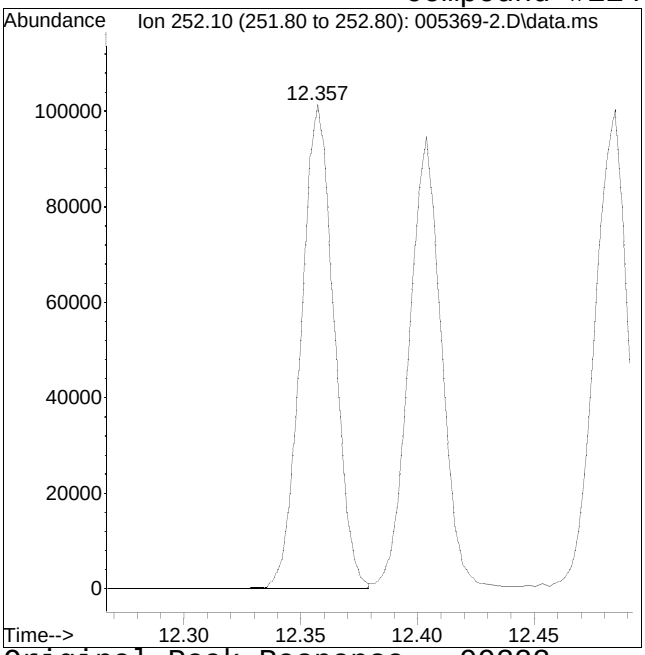
Original Peak Response = 86807 Manual Peak Response = 99096 M3

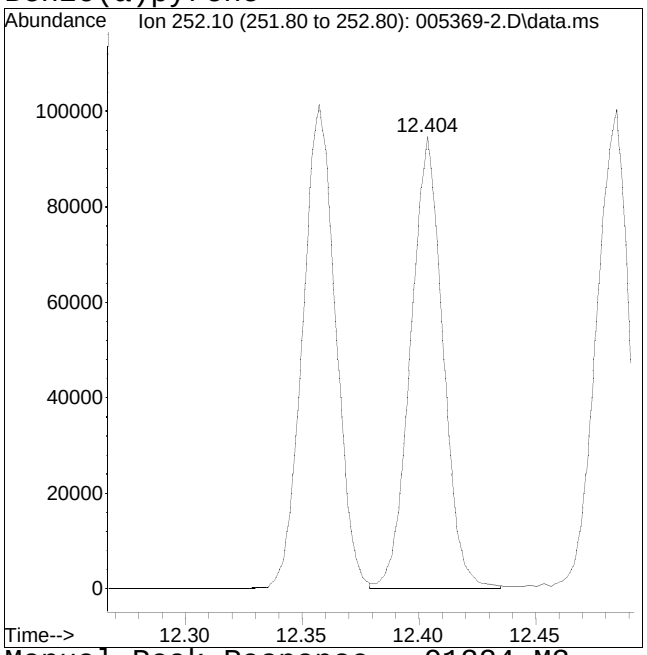
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241205RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 005369-2.D Operator : Dakota:ek
Date Inj'd : 12/5/2024 11:56 am Instrument : Dakota
Sample : WG2005369-2,32,,HNY Quant Date : 12/5/2024 12:14 pm

Compound #114: Benzo(a)pyrene





Original Peak Response = 99322 Manual Peak Response = 91224 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\241205RVT\
Data File : 005369-3.D
Acq On : 5 Dec 2024 12:19 pm
Operator : Dakota:ek
Sample : WG2005369-3,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 19:43:54 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	20472	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 83.22%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	20472	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 81.92%				
32) IS3_1,4-Dichlorobenzen...	4.152	152	20472	4.000	ug/ml		0.00
Standard Area 2 = 21809			Recovery = 93.87%				
37) IS1_Naphthalene-d8	5.392	136	76248	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 79.26%				
57) IS2_Naphthalene-d8	5.392	136	76248	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 79.72%				
65) IS1_Acenaphthene-d10	7.080	164	50640	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 81.59%				
85) IS2_Acenaphthene-d10	7.080	164	50640	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 81.84%				
88) IS3_Acenaphthene-d10	7.080	164	50640	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 96.61%				
90) IS1_Phenanthrene-d10	8.491	188	112113	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 82.25%				
102) IS3_Phenanthrene-d10	8.491	188	112113	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 94.78%				
106) IS1_Chrysene-d12	11.046	240	137396	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 83.32%				
115) IS1_Perylene-d12	12.454	264	169627	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 86.32%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.859	112	4809	0.914	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.70%				
7) Phenol-d6	3.869	99	4493	0.667	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 33.35%				
19) Nitrobenzene-d5	4.708	82	4516	0.738	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.80%				
48) 2-Fluorobiphenyl	6.464	172	12991	0.688	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.80%				
81) 2,4,6-Tribromophenol	7.841	330	6618	1.828	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 91.40%				

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-3.D
Acq On : 5 Dec 2024 12:19 pm
Operator : Dakota:ek
Sample : WG2005369-3,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 19:43:54 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.061	244	27623	0.851	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 85.10%

Target Compounds						Qvalue
6) 2-Chlorophenol	3.950	128	9094	1.450	ug/ml	88
8) Phenol	3.882	94	5227	0.719	ug/ml#	91
9) Bis(2-chloroethyl)ether	3.931	93	7629	1.465	ug/ml	96
10) 1,3-Dichlorobenzene	4.093	146	9623	1.193	ug/ml	94
11) 1,4-Dichlorobenzene	4.168	146	9944	1.207	ug/ml	97
12) 1,2-Dichlorobenzene	4.317	146	9986	1.272	ug/ml	94
13) Benzyl alcohol	4.326	79	6624	1.392	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.469	45	13667	1.489	ug/ml#	65
15) 2-Methylphenol	4.472	108	7327	1.326	ug/ml	95
16) Hexachloroethane	4.640	117	3479	1.153	ug/ml#	55
17) n-Nitrosodi-n-propylamine	4.596	70	6807	1.542	ug/ml#	81
18) 3-Methylphenol/4-Methy...	4.634	108	8161	1.348	ug/ml	97
20) Nitrobenzene	4.724	77	9496	1.518	ug/ml	96
21) Isophorone	4.969	82	17669	1.536	ug/ml	94
22) 2-Nitrophenol	5.041	139	5412	1.709	ug/ml#	87
23) 2,4-Dimethylphenol	5.140	107	6269	1.113	ug/ml	95
24) Bis(2-chloroethoxy)met...	5.218	93	11703	1.634	ug/ml#	95
25) 2,4-Dichlorophenol	5.286	162	10994	1.672	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.352	180	9437	1.186	ug/ml	97
29) Acetophenone	4.568	105	13403	1.866	ug/ml#	80
38) Naphthalene	5.411	128	27721	1.322	ug/ml	99
39) Benzoic Acid	5.206	105	2032	0.468	ug/ml#	82
40) 4-Chloroaniline	5.501	65	3309	1.436	ug/ml	76
41) Hexachlorobutadiene	5.569	225	5580	1.133	ug/ml	97
42) p-Chloro-m-cresol	6.011	107	9788	1.772	ug/ml	91
43) 2-Methylnaphthalene	6.088	142	19449	1.340	ug/ml	92
45) Hexachlorocyclopentadiene	6.266	237	2452	0.473	ug/ml#	94
46) 2,4,6-Trichlorophenol	6.387	196	9461	1.732	ug/ml	98
47) 2,4,5-Trichlorophenol	6.418	196	11055	1.810	ug/ml	98
49) 2-Chloronaphthalene	6.548	162	22235	1.368	ug/ml	96
50) 2-Nitroaniline	6.673	138	7572	1.821	ug/ml#	79
53) Dimethyl phthalate	6.881	163	33573	1.778	ug/ml#	97
54) Acenaphthylene	6.937	152	35452	1.486	ug/ml	99

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-3.D
Acq On : 5 Dec 2024 12:19 pm
Operator : Dakota:ek
Sample : WG2005369-3,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 19:43:54 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
55) 2,6-Dinitrotoluene	6.918	165	6286	1.783 ug/ml#	76
63) 1,2,4,5-Tetrachloroben...	6.259	216	10992	1.396 ug/ml#	97
64) Biphenyl	6.551	154	27288	1.701 ug/ml	96
66) 3-Nitroaniline	7.071	138	7081	1.811 ug/ml#	89
67) Acenaphthene	7.111	154	21316	1.447 ug/ml	86
68) 2,4-Dinitrophenol	7.173	184	3648	1.532 ug/ml#	86
69) Dibenzofuran	7.279	168	38192	1.504 ug/ml	95
70) 2,4-Dinitrotoluene	7.301	165	9221	1.881 ug/ml#	76
71) 4-Nitrophenol	7.282	65	3787	1.299 ug/ml#	1
74) Diethyl phthalate	7.565	149	35172	1.764 ug/ml	98
75) Fluorene	7.608	166	31675	1.629 ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.636	204	15539	1.550 ug/ml#	86
77) 4-Nitroaniline	7.649	138	7171	1.897 ug/ml#	80
78) 4,6-Dinitro-o-cresol	7.686	198	5692	1.921 ug/ml#	59
79) NDPA/DPA	7.754	169	28546	1.687 ug/ml	92
82) 4-Bromophenyl phenyl e...	8.096	248	11036	1.671 ug/ml#	80
83) Hexachlorobenzene	8.140	284	14436	1.737 ug/ml#	78
84) Pentachlorophenol	8.339	266	8562	1.901 ug/ml	98
91) Phenanthrene	8.513	178	58707	1.771 ug/ml	100
92) Anthracene	8.559	178	56661	1.743 ug/ml	98
93) Carbazole	8.736	167	58574	1.963 ug/ml	99
94) Di-n-butylphthalate	9.147	149	70397	2.081 ug/ml#	98
95) Fluoranthene	9.647	202	75555	1.895 ug/ml#	92
97) Pyrene	9.855	202	81496	1.913 ug/ml	99
99) Butyl benzyl phthalate	10.576	149	32175	2.221 ug/ml#	80
107) Benzo(a)anthracene	11.036	228	85360	1.834 ug/ml	98
108) 3,3'-Dichlorobenzidine	11.055	252	31191	1.798 ug/ml#	96
109) Chrysene	11.071	228	84713	1.828 ug/ml	98
110) Bis(2-ethylhexyl)phtha...	11.201	149	50953	2.042 ug/ml#	89
111) Di-n-octylphthalate	11.854	149	84561	2.032 ug/ml#	73
112) Benzo(b)fluoranthene	12.099	252	97042	1.990 ug/ml#	93
113) Benzo(k)fluoranthene	12.124	252	94150M3	1.982 ug/ml	
114) Benzo(a)pyrene	12.398	252	86352M3	1.984 ug/ml	
116) Indeno(1,2,3-cd)pyrene	13.383	276	96802	1.850 ug/mL#	89
117) Dibenzo(a,h)anthracene	13.411	278	98549	1.916 ug/ml#	89
118) Benzo(ghi)perylene	13.591	276	93142	1.842 ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-3.D
Acq On : 5 Dec 2024 12:19 pm
Operator : Dakota:ek
Sample : WG2005369-3,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 19:43:54 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

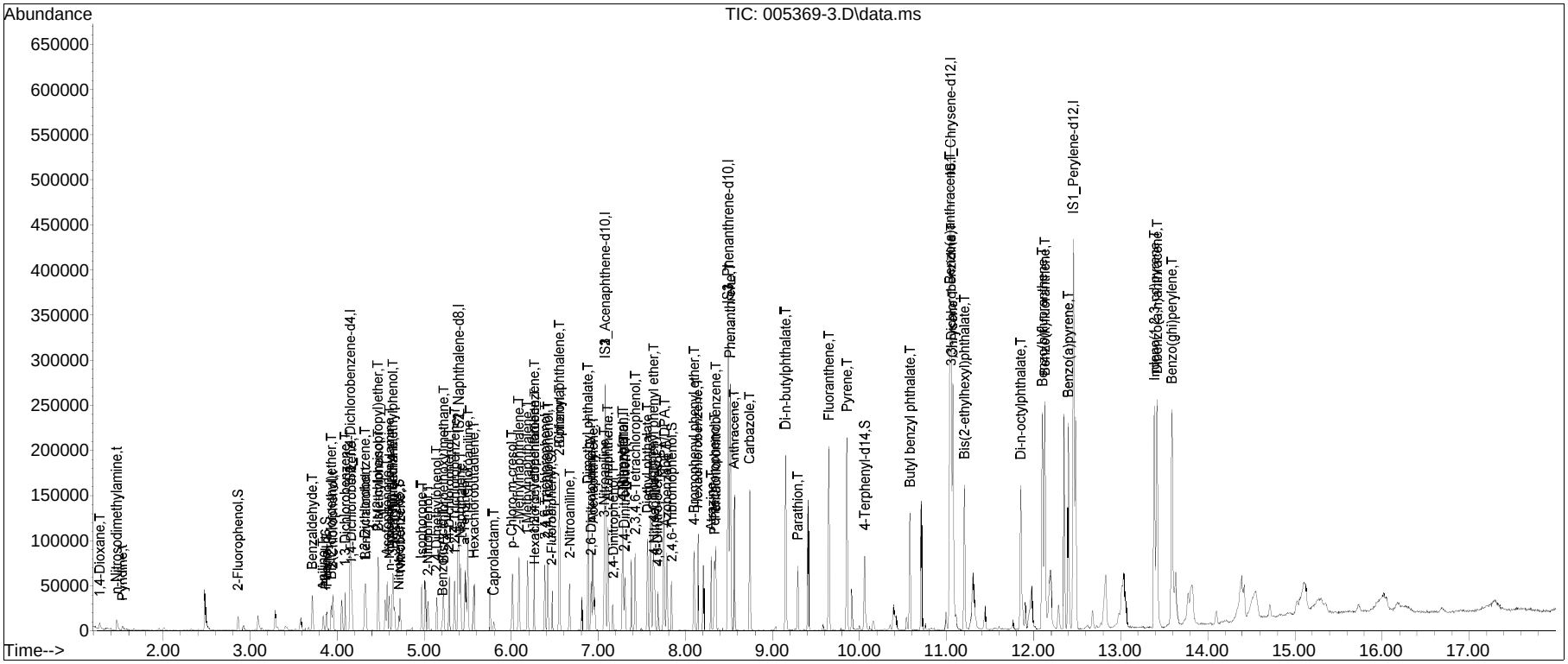
(#) = qualifier out of range (m) = manual integration (+) = signals summed

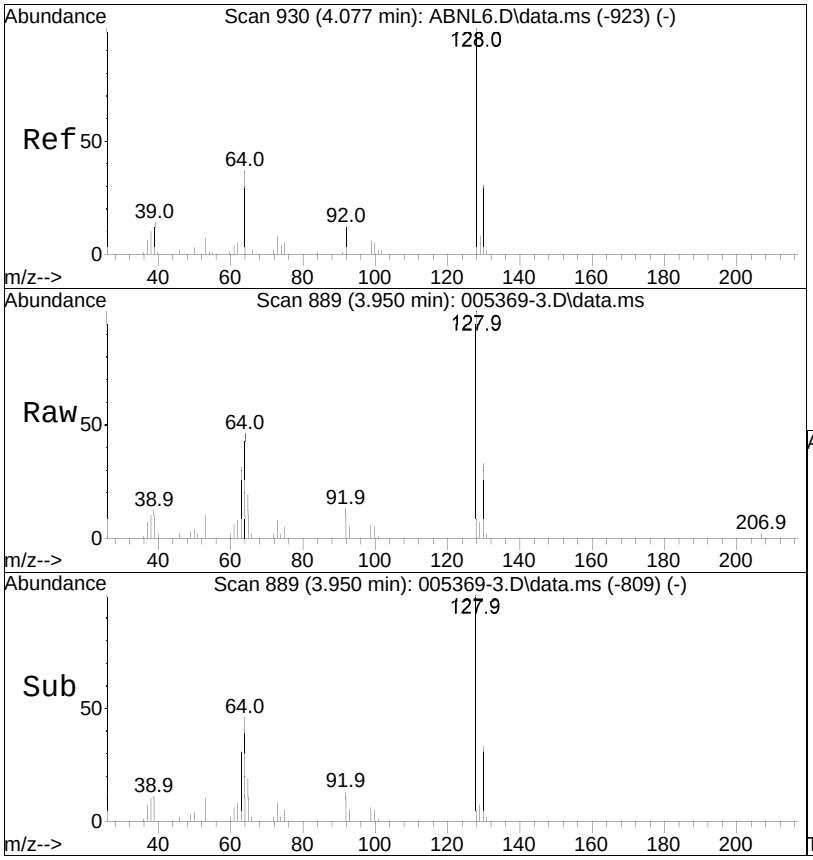
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-3.D
Acq On : 5 Dec 2024 12:19 pm
Operator : Dakota:ek
Sample : WG2005369-3,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 19:43:54 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA5RVT\AP91205.D•

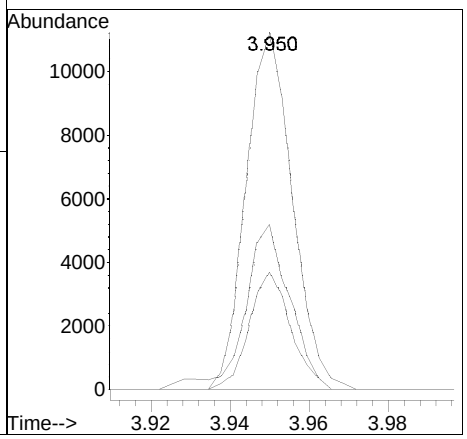


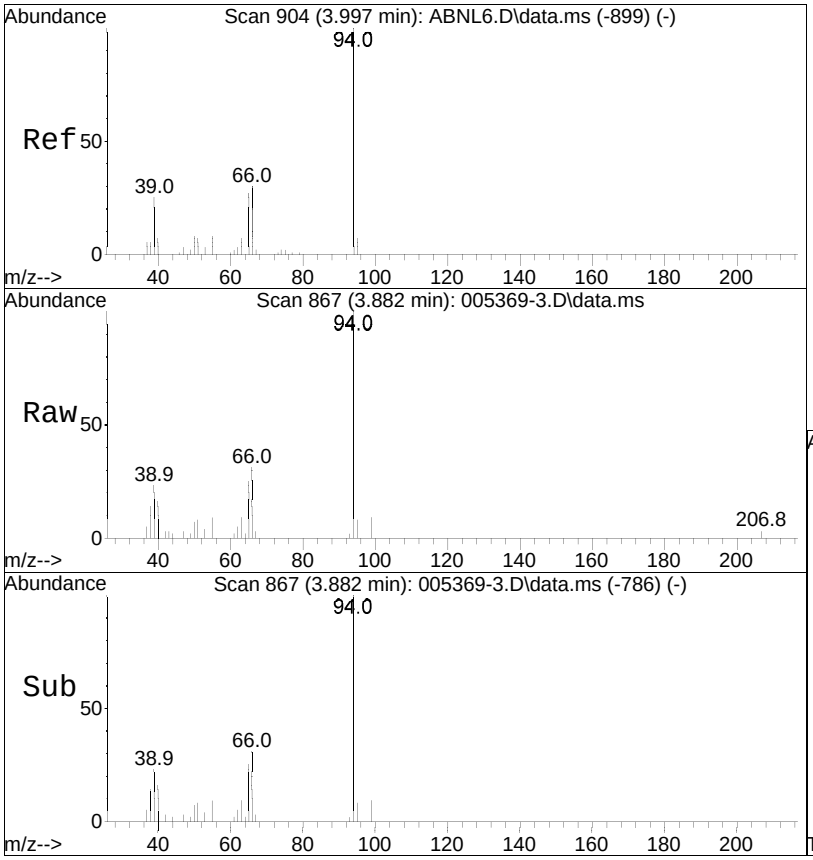


#6
2-Chlorophenol
Concen: 1.45 ug/ml
RT: 3.950 min Scan# 889
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:128 Resp: 9094

Ion	Ratio	Lower	Upper
128	100		
64	45.2	45.1	67.7
130	29.7	26.2	39.4

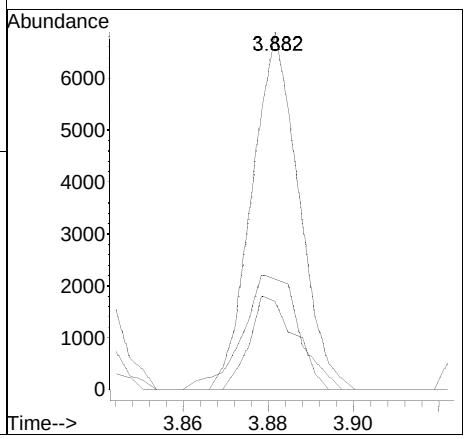


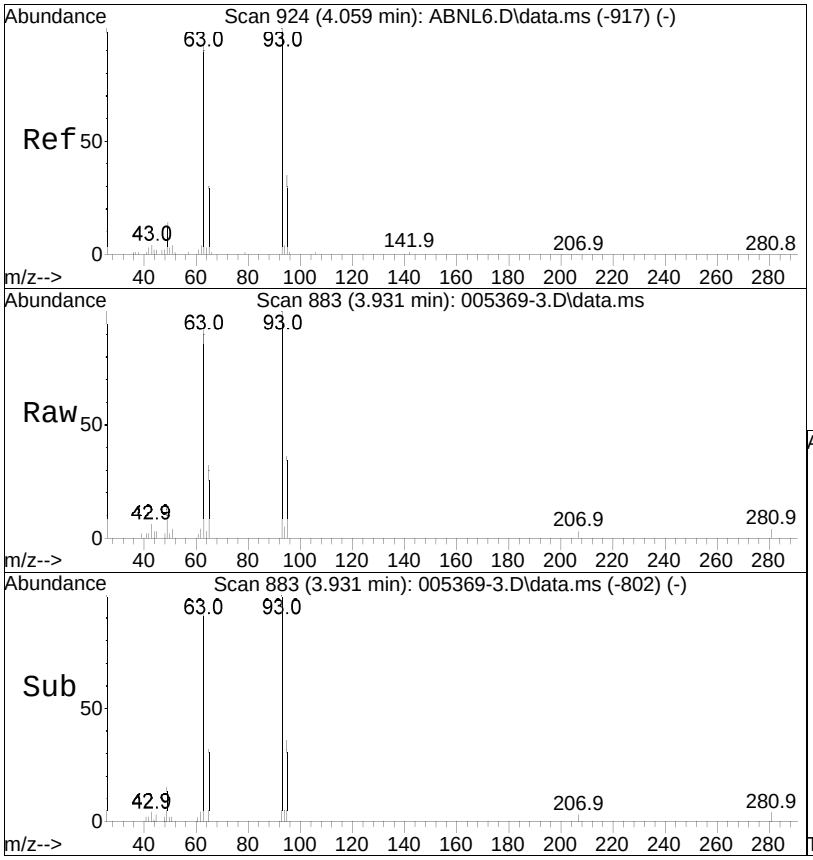


#8
Phenol
Concen: 0.72 ug/ml
RT: 3.882 min Scan# 867
Delta R.T. 0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion: 94 Resp: 5227

Ion	Ratio	Lower	Upper
94	100		
65	25.4	26.0	39.0#
66	38.8	33.8	50.8

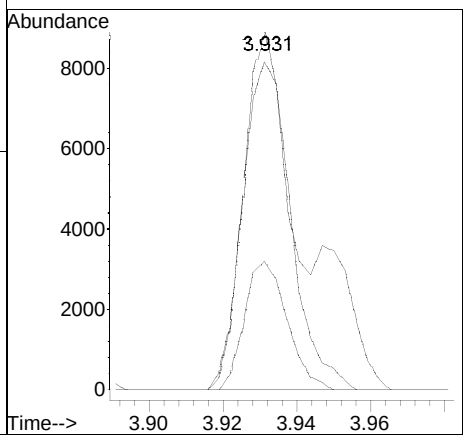


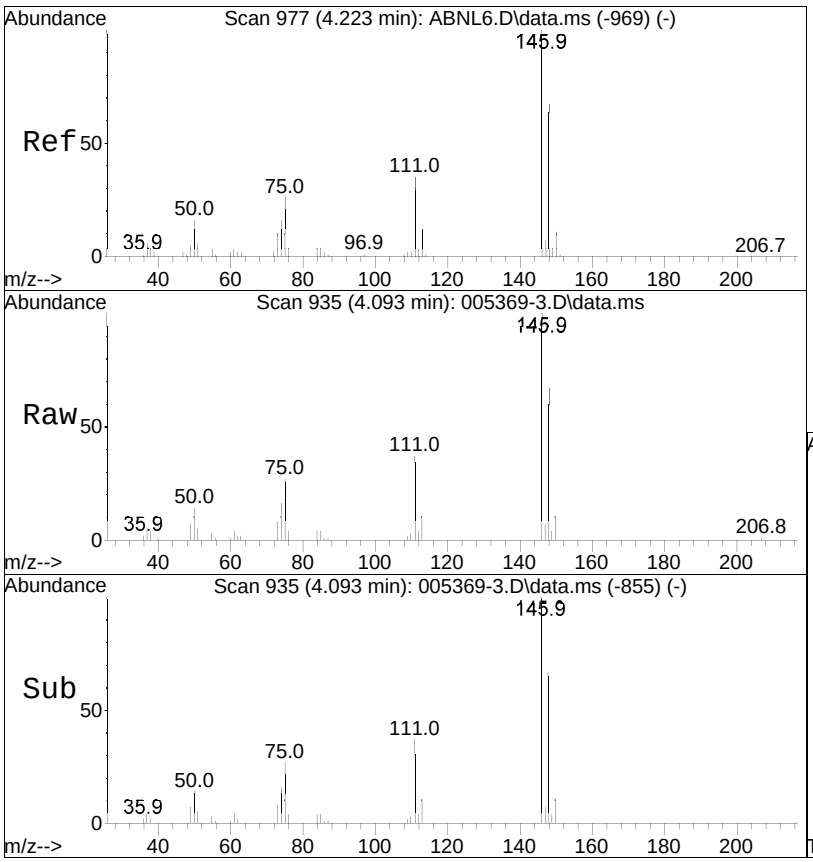


#9
Bis(2-chloroethyl)ether
Concen: 1.47 ug/ml
RT: 3.931 min Scan# 883
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion: 93 Resp: 7629

Ion	Ratio	Lower	Upper
93	100		
63	97.2	74.6	111.8
95	33.5	25.9	38.9

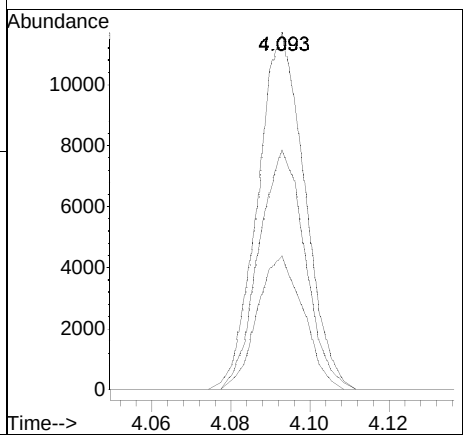


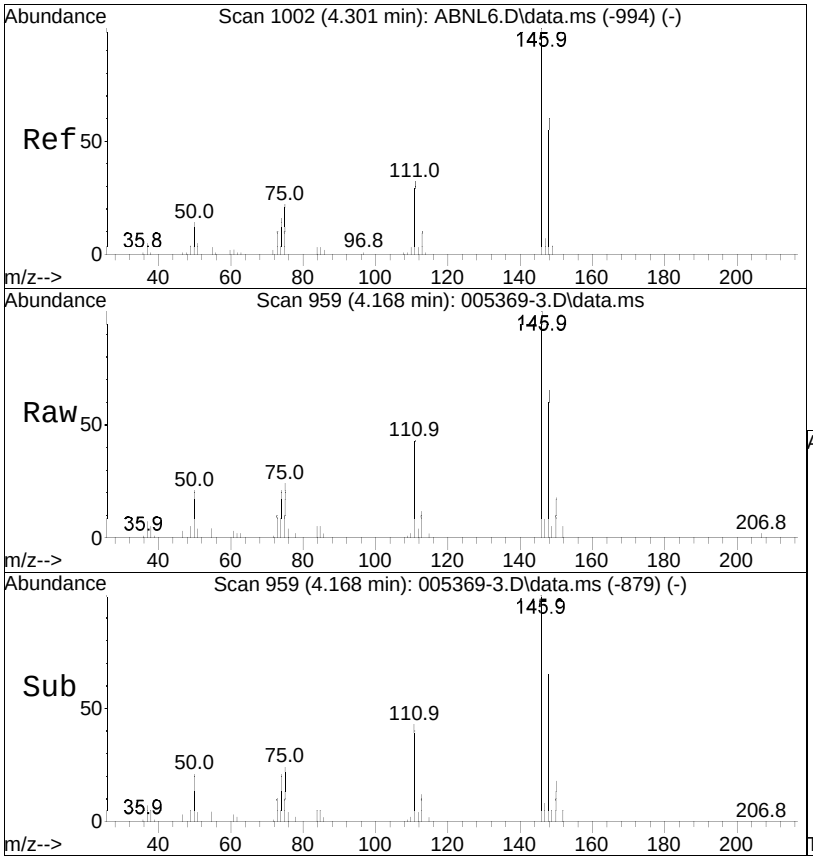


#10
1,3-Dichlorobenzene
Concen: 1.19 ug/ml
RT: 4.093 min Scan# 935
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:146 Resp: 9623

Ion	Ratio	Lower	Upper
146	100		
111	36.7	34.3	51.5
148	66.3	50.8	76.2

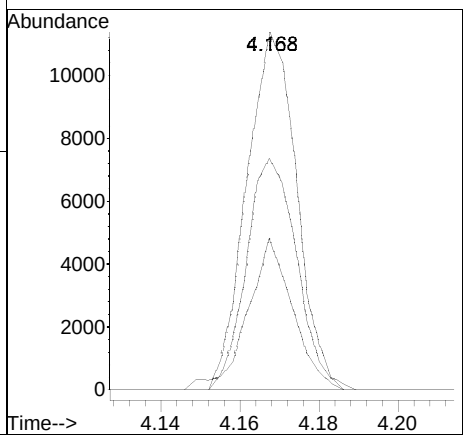


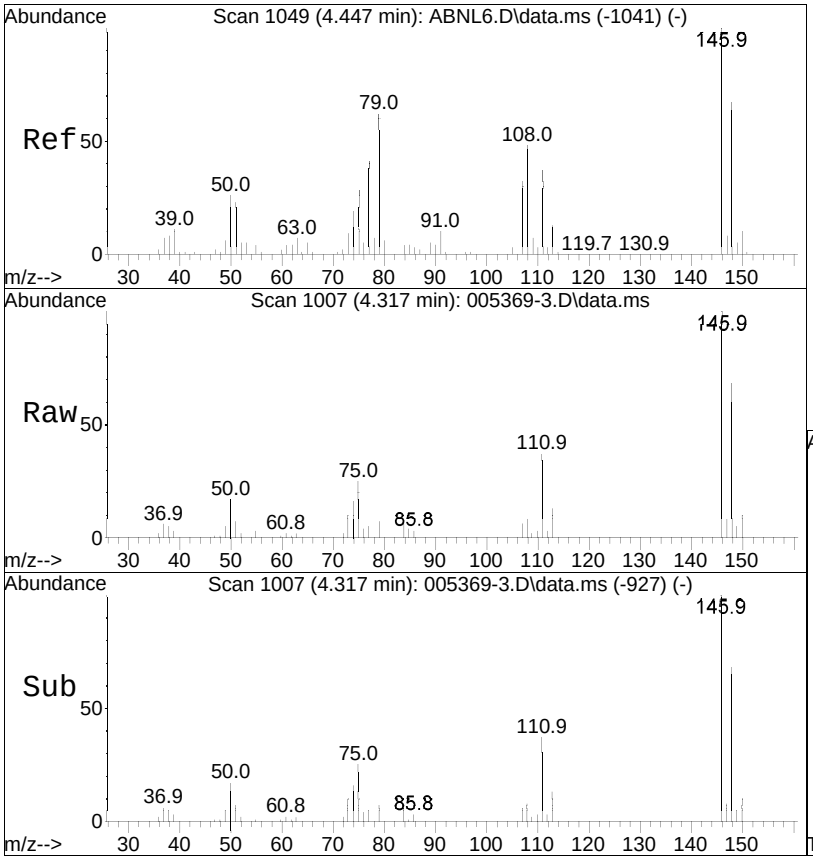


#11
1,4-Dichlorobenzene
Concen: 1.21 ug/ml
RT: 4.168 min Scan# 959
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:146 Resp: 9944

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.7	76.1
111	38.3	33.4	50.0

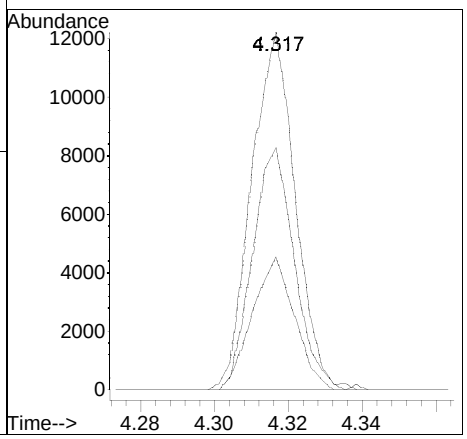


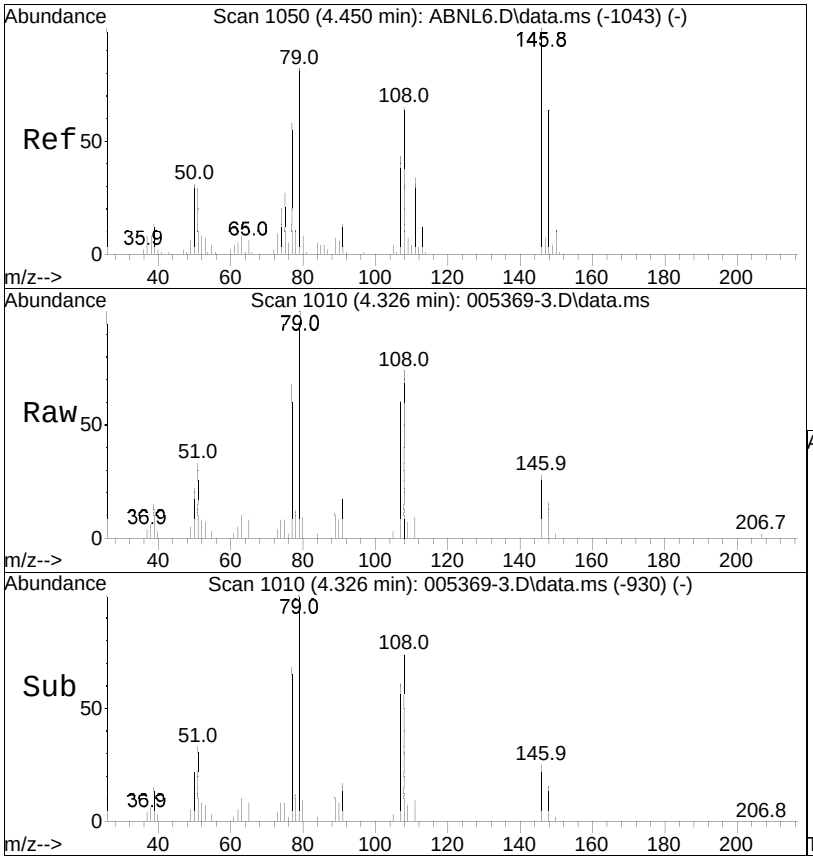


#12
1,2-Dichlorobenzene
Concen: 1.27 ug/ml
RT: 4.317 min Scan# 1007
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:146 Resp: 9986

Ion	Ratio	Lower	Upper
146	100		
111	36.0	34.6	52.0
148	65.0	50.2	75.4

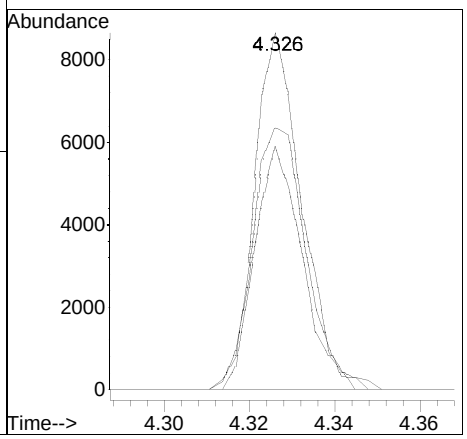


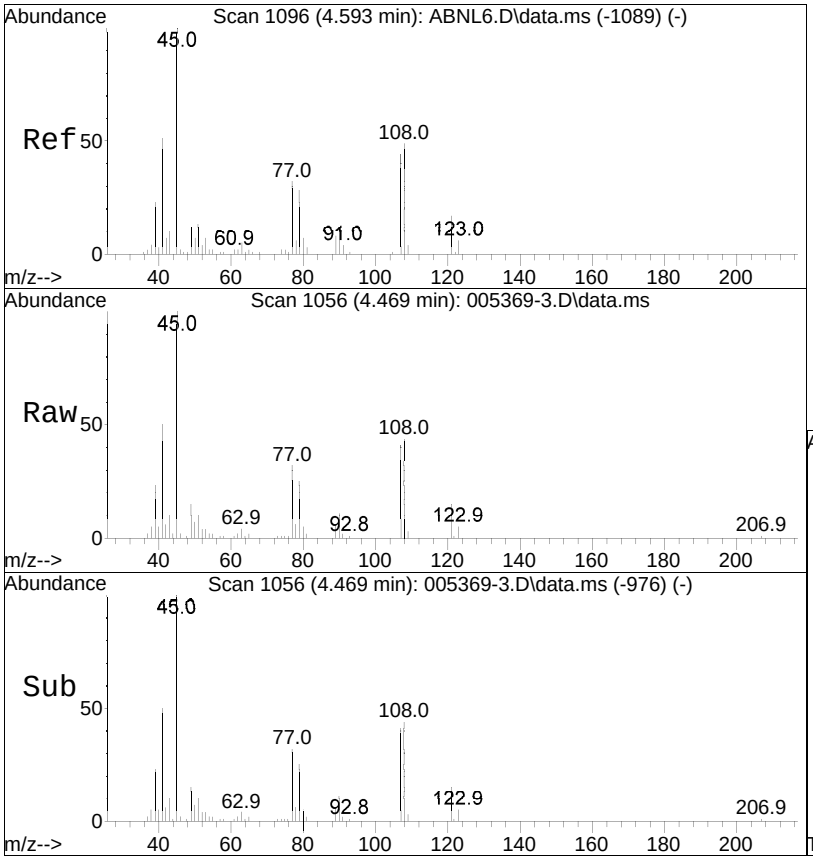


#13
Benzyl alcohol
Concen: 1.39 ug/ml
RT: 4.326 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion: 79 Resp: 6624

Ion	Ratio	Lower	Upper
79	100		
77	70.3	54.9	82.3
108	83.2	63.1	94.7

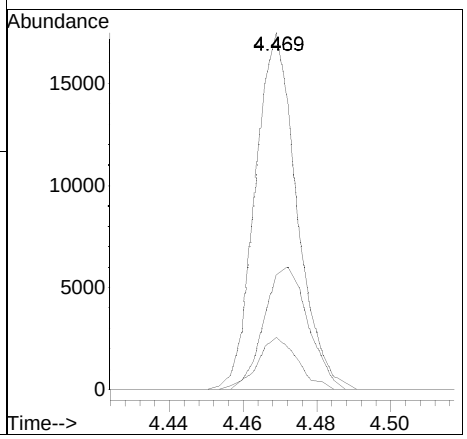


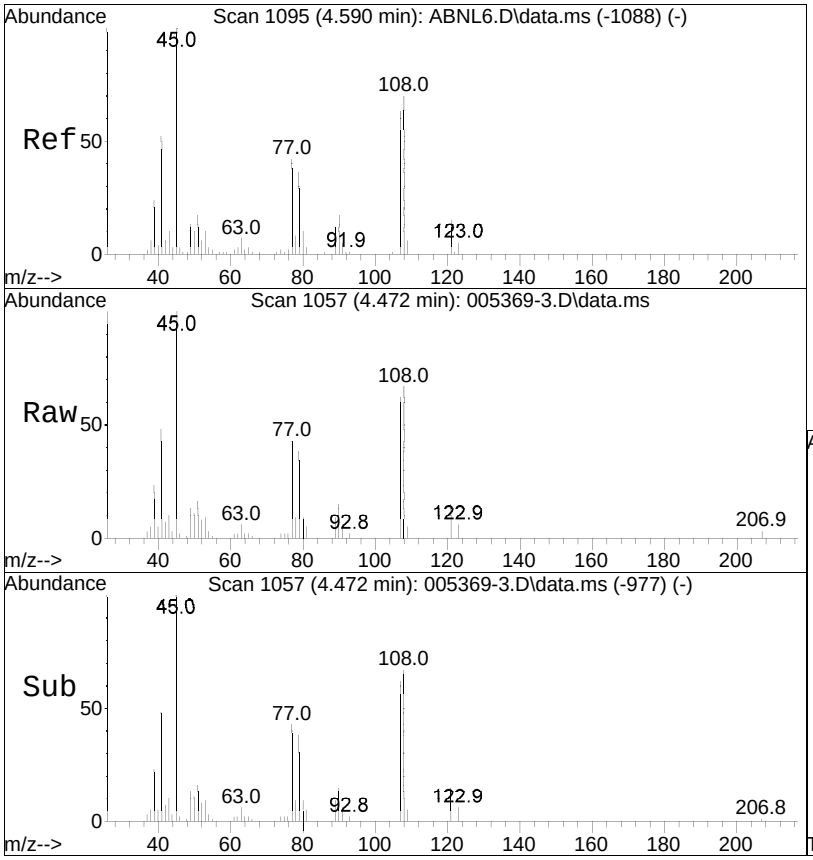


#14
Bis(2-chloroisopropyl)ether
Concen: 1.49 ug/ml
RT: 4.469 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion: 45 Resp: 13667

Ion	Ratio	Lower	Upper
45	100		
121	14.0	9.8	14.6
77	36.8	6.1	9.1#

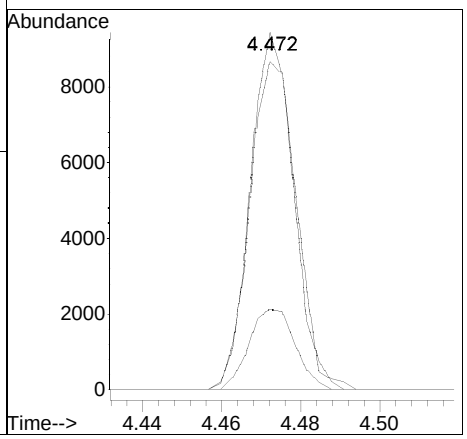


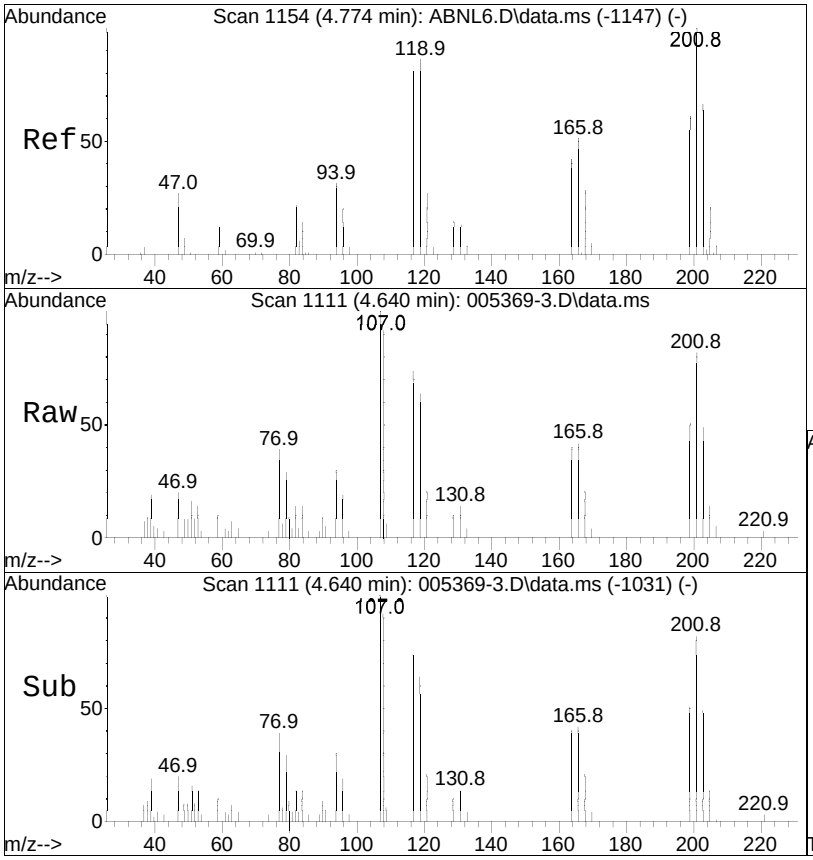


#15
2-Methylphenol
Concen: 1.33 ug/ml
RT: 4.472 min Scan# 1057
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:108 Resp: 7327

Ion	Ratio	Lower	Upper
108	100		
107	94.0	70.7	106.1
90	23.5	18.7	28.1

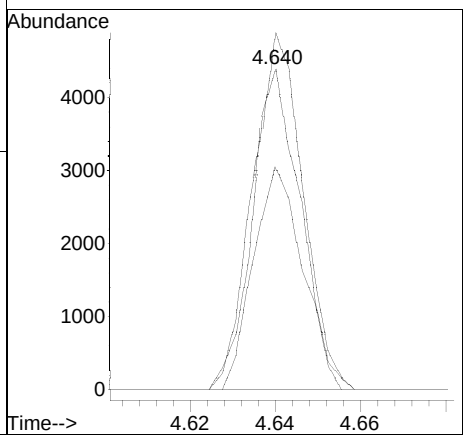


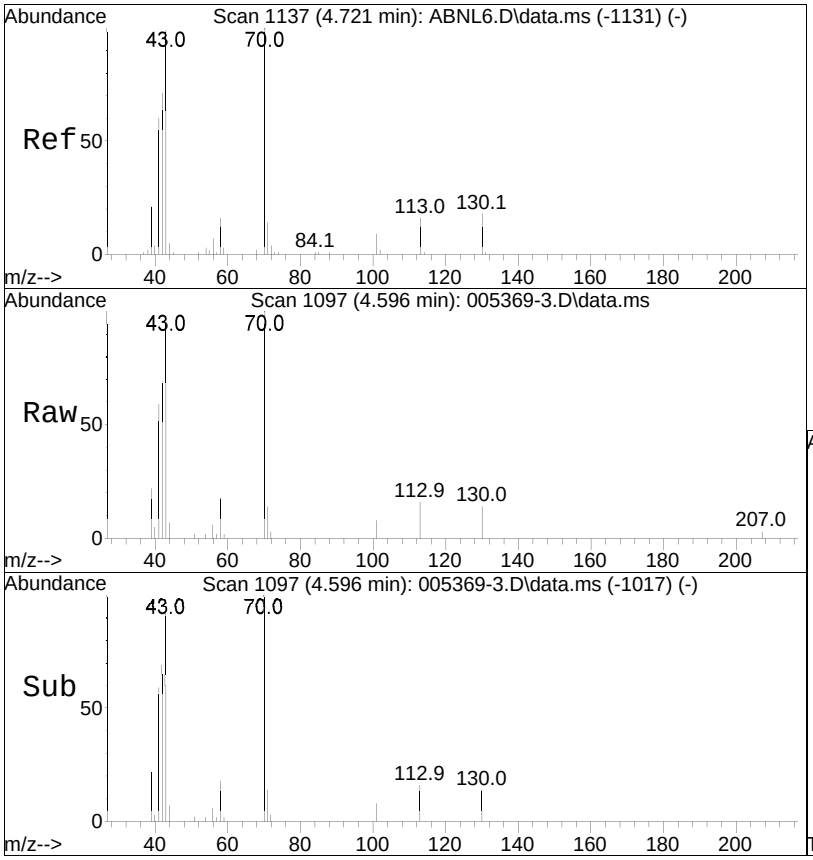


#16
Hexachloroethane
Concen: 1.15 ug/ml
RT: 4.640 min Scan# 1111
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:117 Resp: 3479

Ion	Ratio	Lower	Upper
117	100		
201	115.3	58.6	87.8#
199	70.6	36.9	55.3#

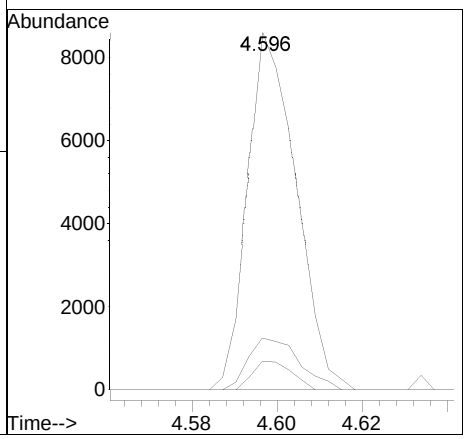


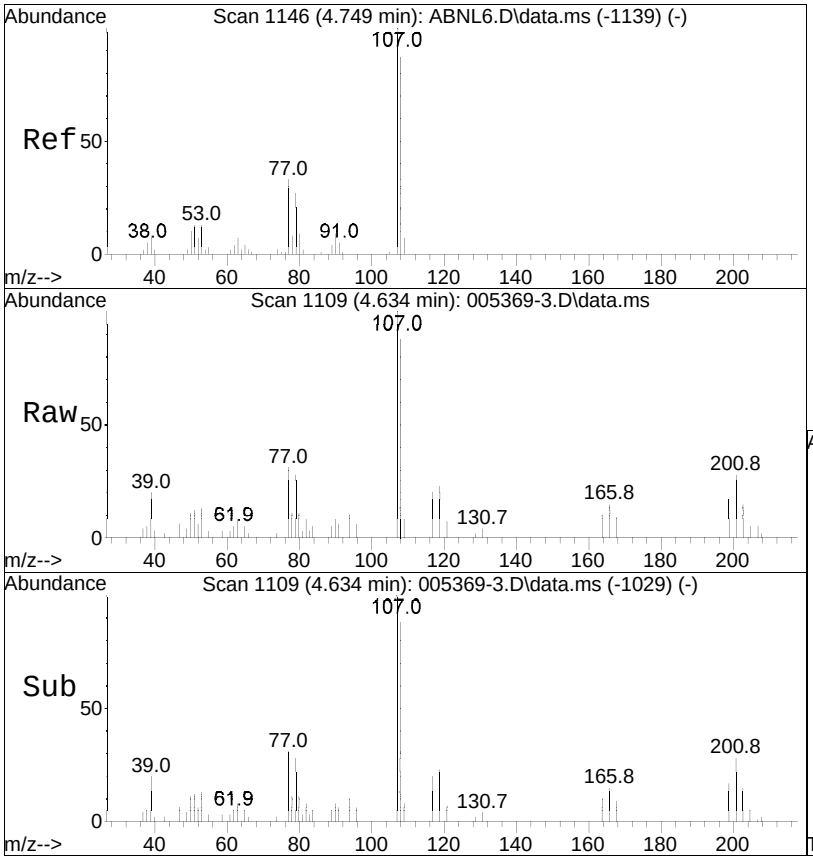


#17
n-Nitrosodi-n-propylamine
Concen: 1.54 ug/ml
RT: 4.596 min Scan# 1097
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion: 70 Resp: 6807

Ion	Ratio	Lower	Upper
70	100		
130	15.1	18.2	27.4#
101	0.0	7.8	11.8#

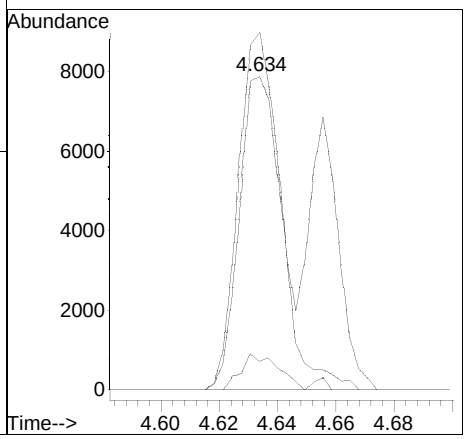


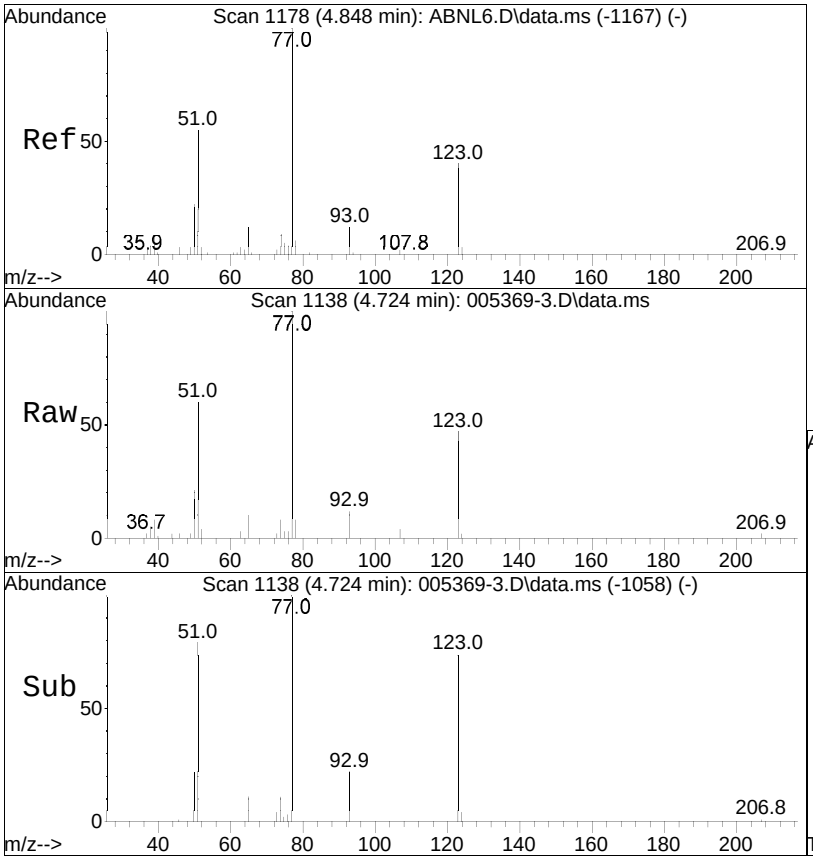


#18
3-Methylphenol/4-Methylphenol
Concen: 1.35 ug/ml
RT: 4.634 min Scan# 1109
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:108 Resp: 8161

Ion	Ratio	Lower	Upper
108	100		
107	107.8	88.6	132.8
90	10.0	8.8	13.2

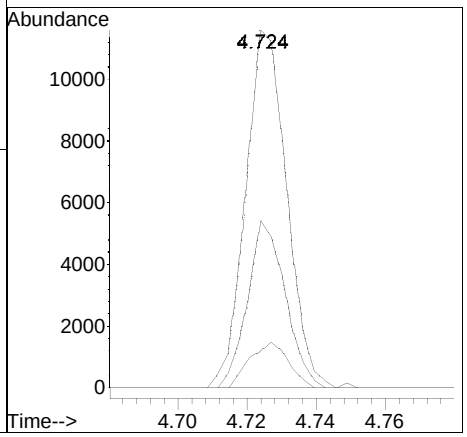


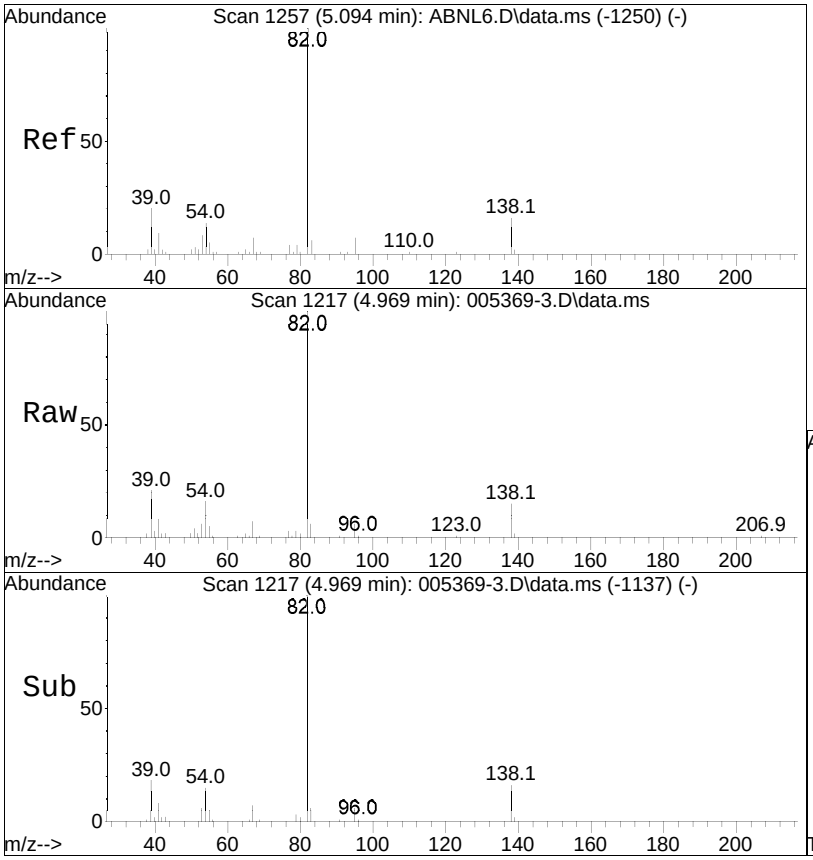


#20
Nitrobenzene
Concen: 1.52 ug/ml
RT: 4.724 min Scan# 1138
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion: 77 Resp: 9496

Ion	Ratio	Lower	Upper
77	100		
123	43.0	36.3	54.5
65	12.2	11.6	17.4

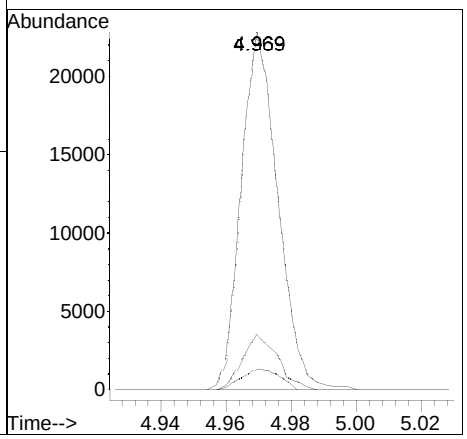


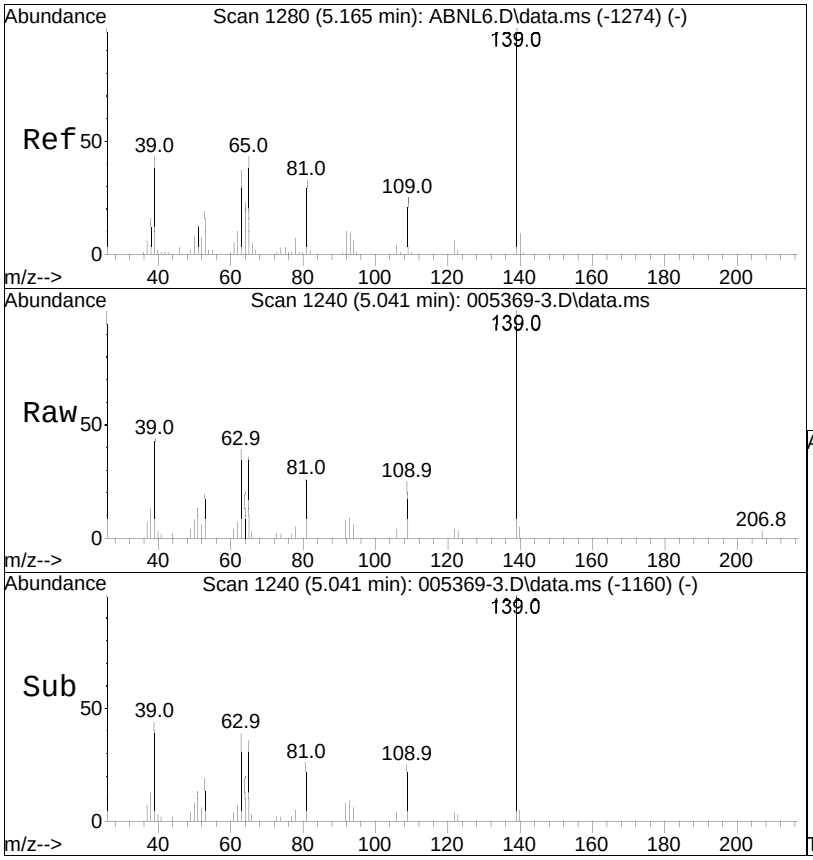


#21
Isophorone
Concen: 1.54 ug/ml
RT: 4.969 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion: 82 Resp: 17669

Ion	Ratio	Lower	Upper
82	100		
138	14.9	14.7	22.1
95	6.2	5.2	7.8

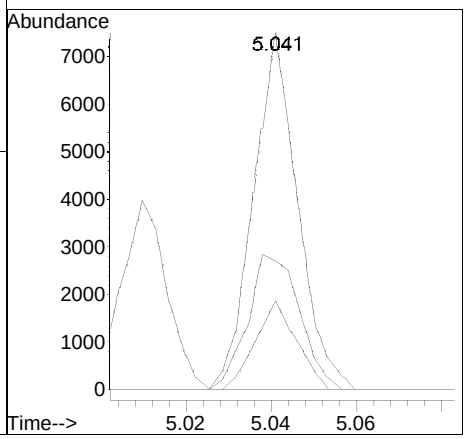


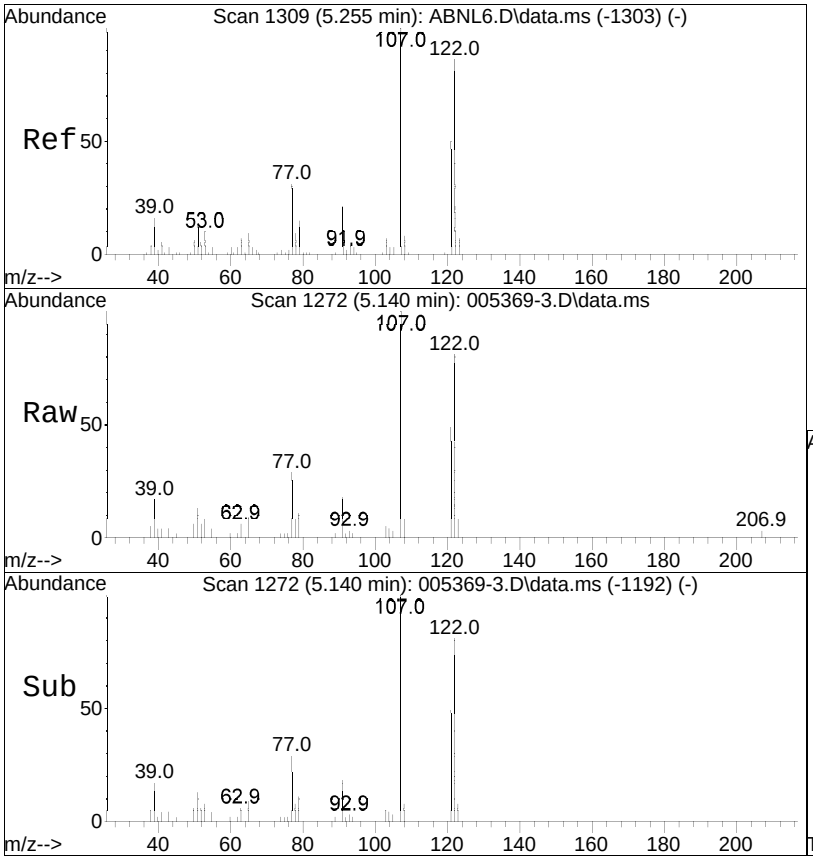


#22
2-Nitrophenol
Concen: 1.71 ug/ml
RT: 5.041 min Scan# 1240
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:139 Resp: 5412

Ion	Ratio	Lower	Upper
139	100		
109	23.1	19.4	29.0
65	44.2	46.1	69.1#

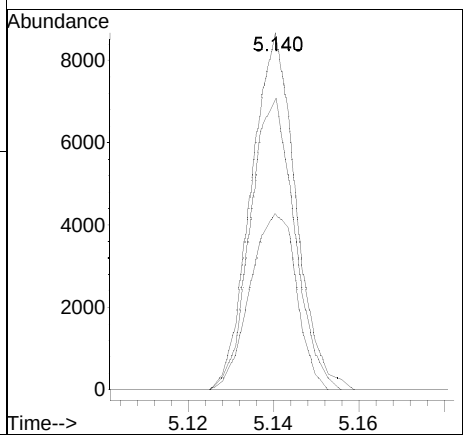


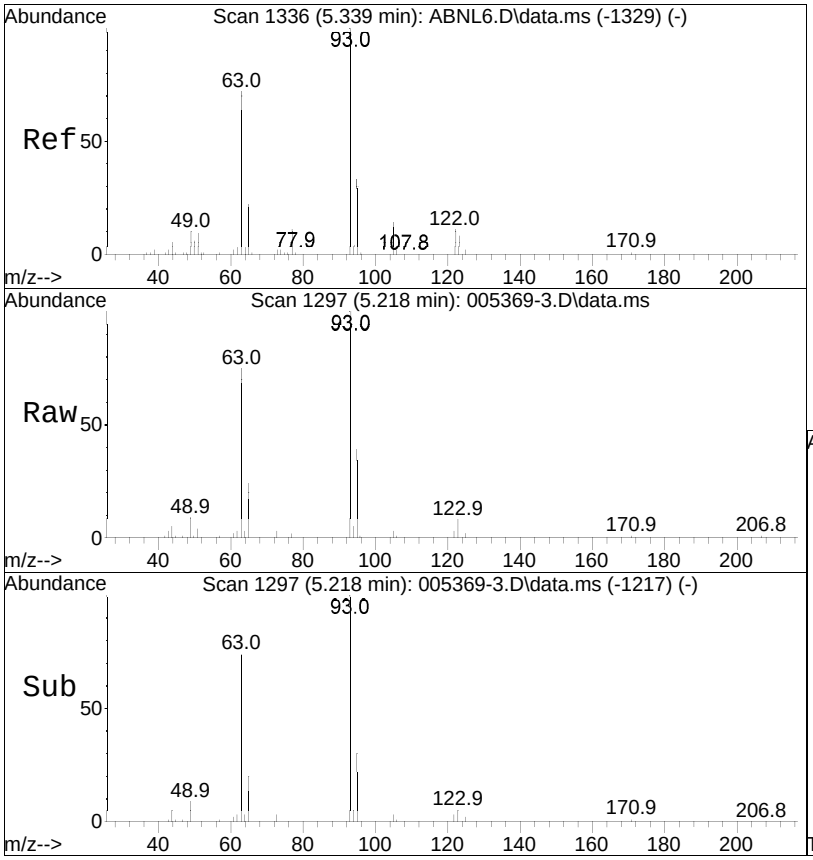


#23
2,4-Dimethylphenol
Concen: 1.11 ug/ml
RT: 5.140 min Scan# 1272
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:107 Resp: 6269

Ion	Ratio	Lower	Upper
107	100		
121	51.3	40.0	60.0
122	81.1	70.2	105.4

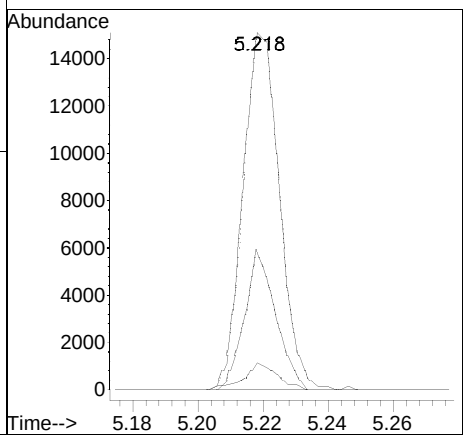


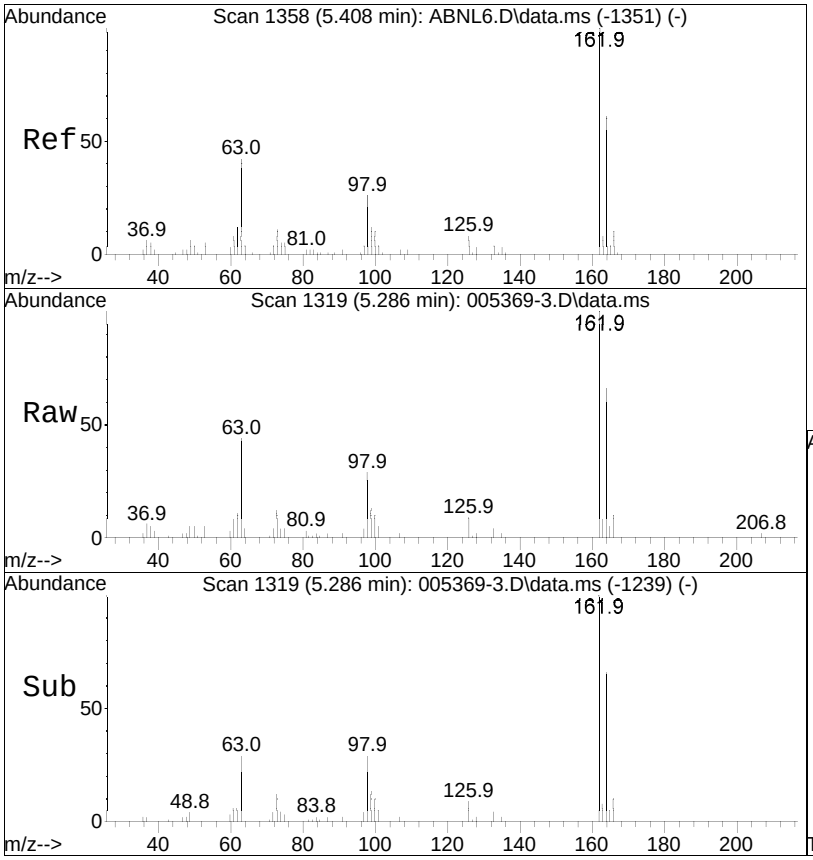


#24
Bis(2-chloroethoxy)methane
Concen: 1.63 ug/ml
RT: 5.218 min Scan# 1297
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion: 93 Resp: 11703

Ion	Ratio	Lower	Upper
93	100		
95	33.4	25.8	38.8
123	7.1	10.1	15.1#

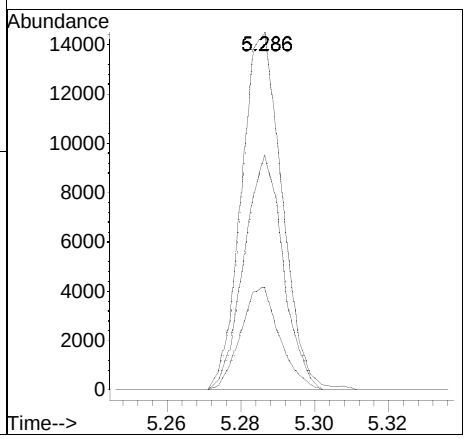


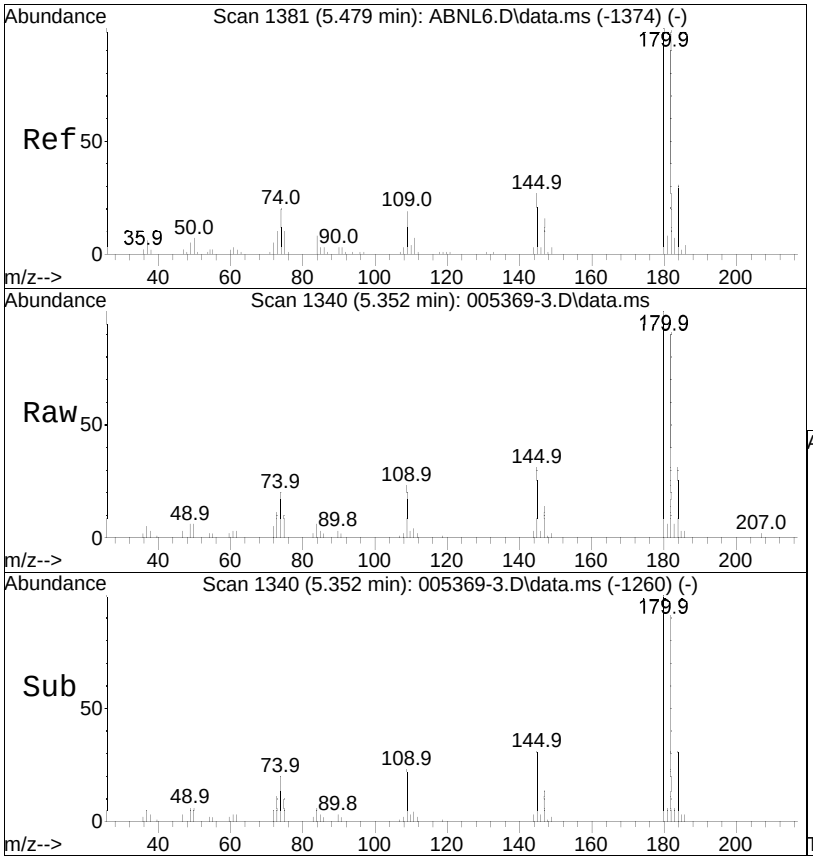


#25
2,4-Dichlorophenol
Concen: 1.67 ug/ml
RT: 5.286 min Scan# 1319
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:162 Resp: 10994

Ion	Ratio	Lower	Upper
162	100		
164	63.2	51.0	76.4
98	27.8	32.2	48.2#

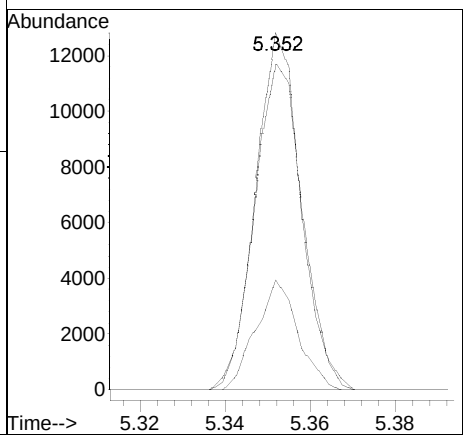


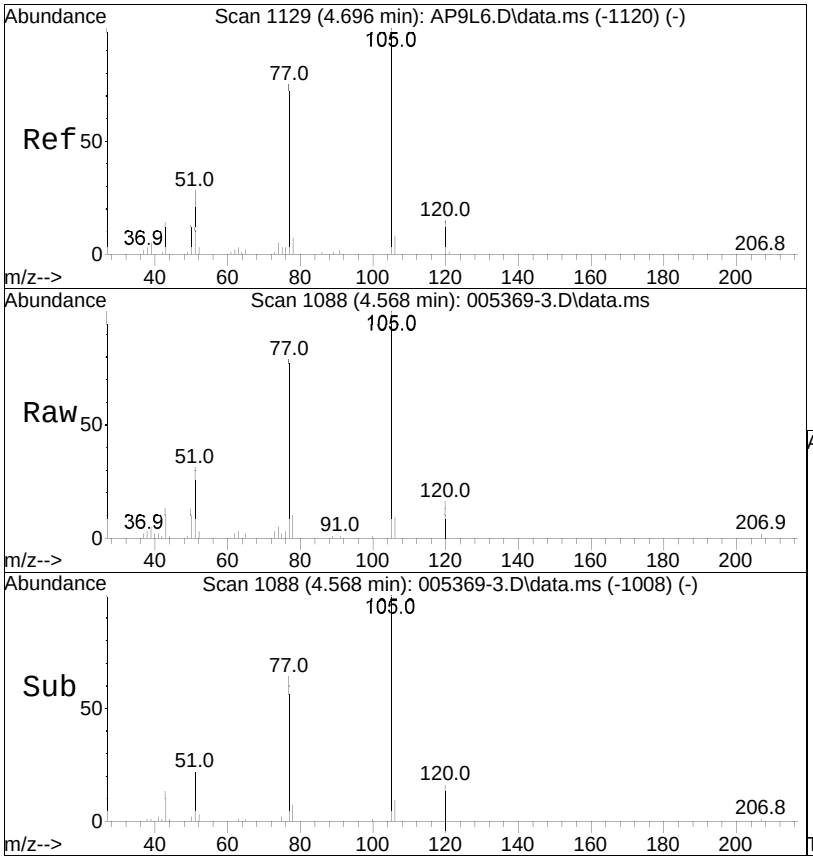


#26
1,2,4-Trichlorobenzene
Concen: 1.19 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:180 Resp: 9437

Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.0	114.0
145	28.7	25.7	38.5

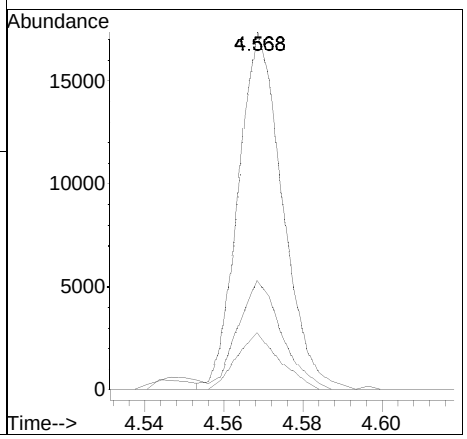


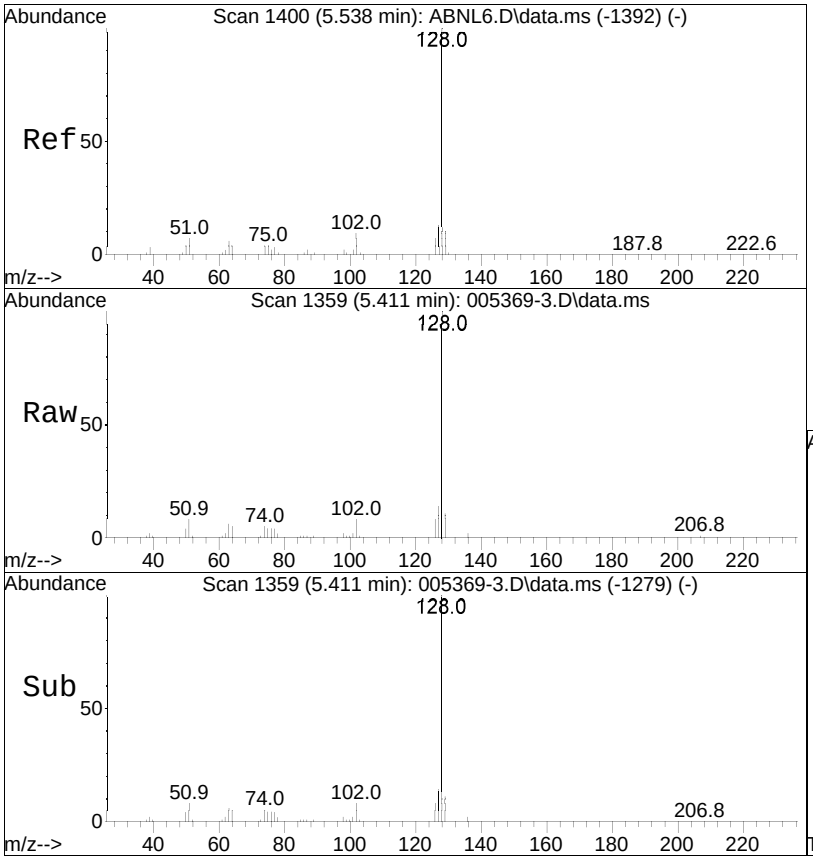


#29
Acetophenone
Concen: 1.87 ug/ml
RT: 4.568 min Scan# 1088
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:105 Resp: 13403

Ion	Ratio	Lower	Upper
105	100		
120	15.5	20.5	30.7#
51	30.3	34.9	52.3#

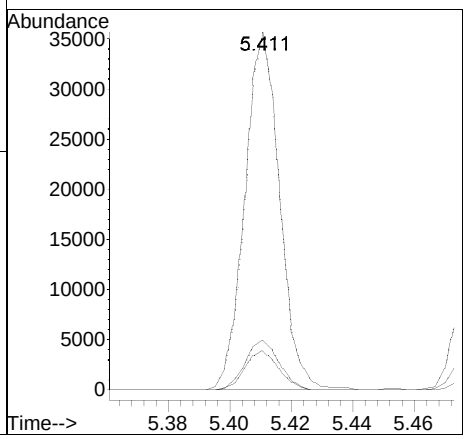


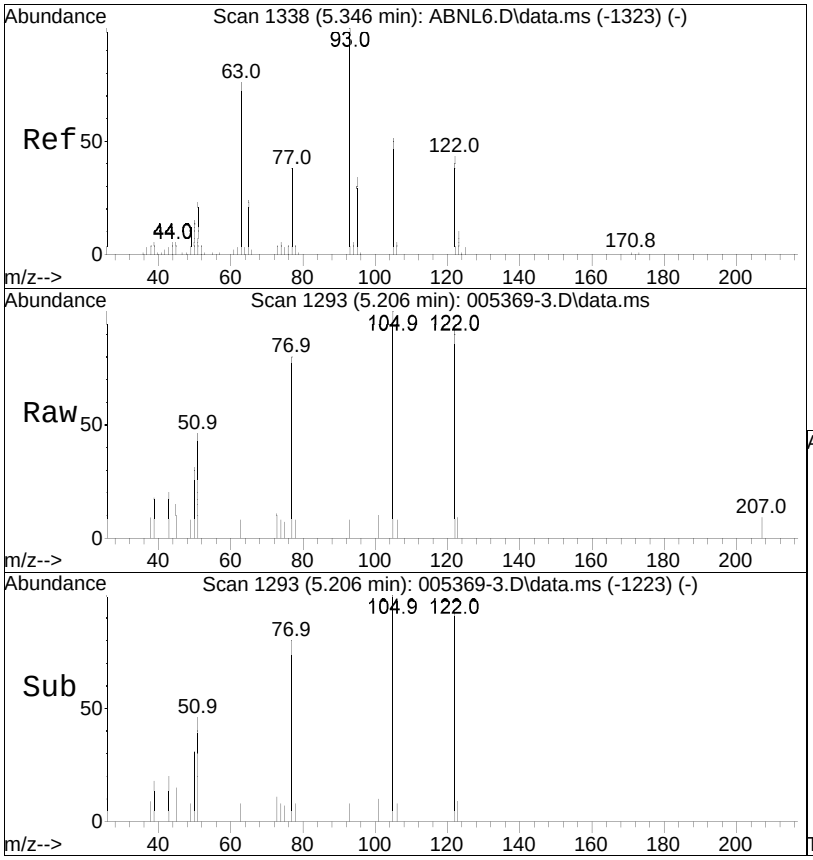


#38
Naphthalene
Concen: 1.32 ug/ml
RT: 5.411 min Scan# 1359
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:128 Resp: 27721

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.6	10.3	15.5

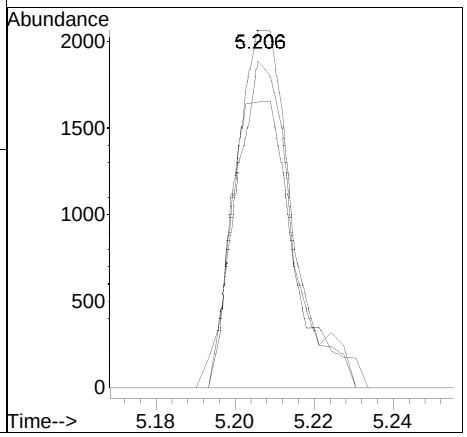


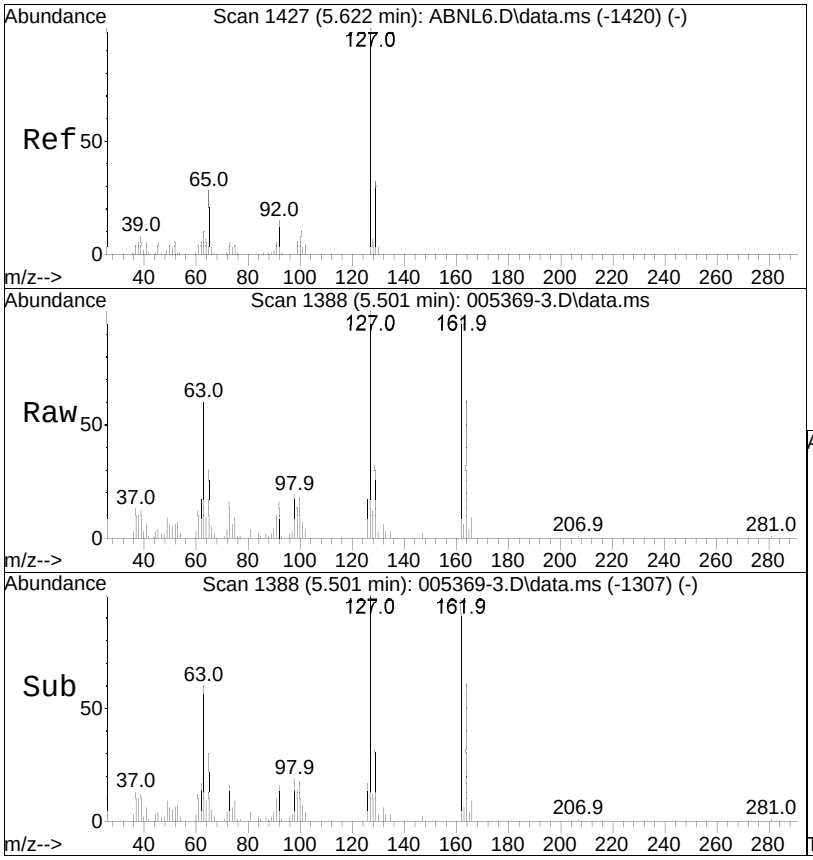


#39
Benzoic Acid
Concen: 0.47 ug/ml
RT: 5.206 min Scan# 1293
Delta R.T. -0.031 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:105 Resp: 2032

Ion	Ratio	Lower	Upper
105	100		
122	91.0	59.9	89.9#
77	89.9	60.1	90.1

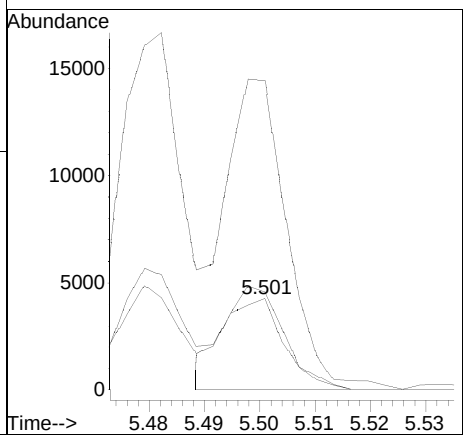


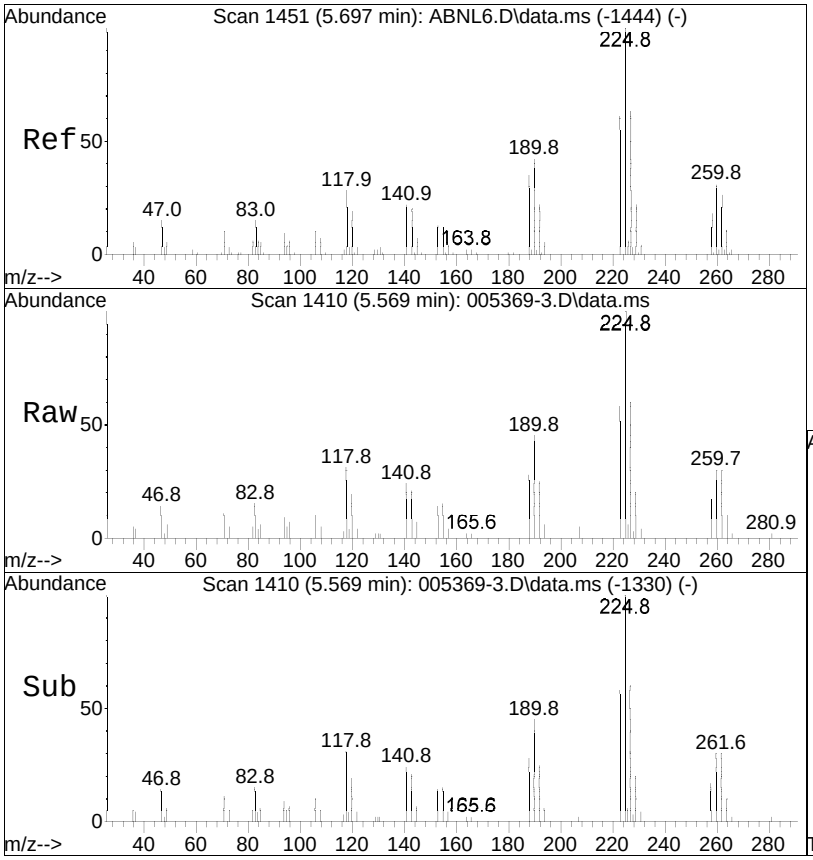


#40
4-Chloroaniline
Concen: 1.44 ug/ml
RT: 5.501 min Scan# 1388
Delta R.T. 0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion: 65 Resp: 3309

Ion	Ratio	Lower	Upper
65	100		
127	347.6	237.6	356.4
129	111.8	76.3	114.5

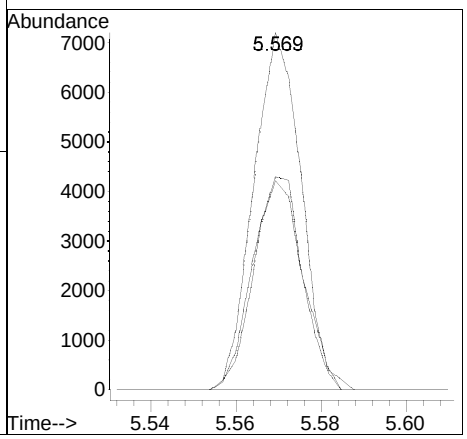


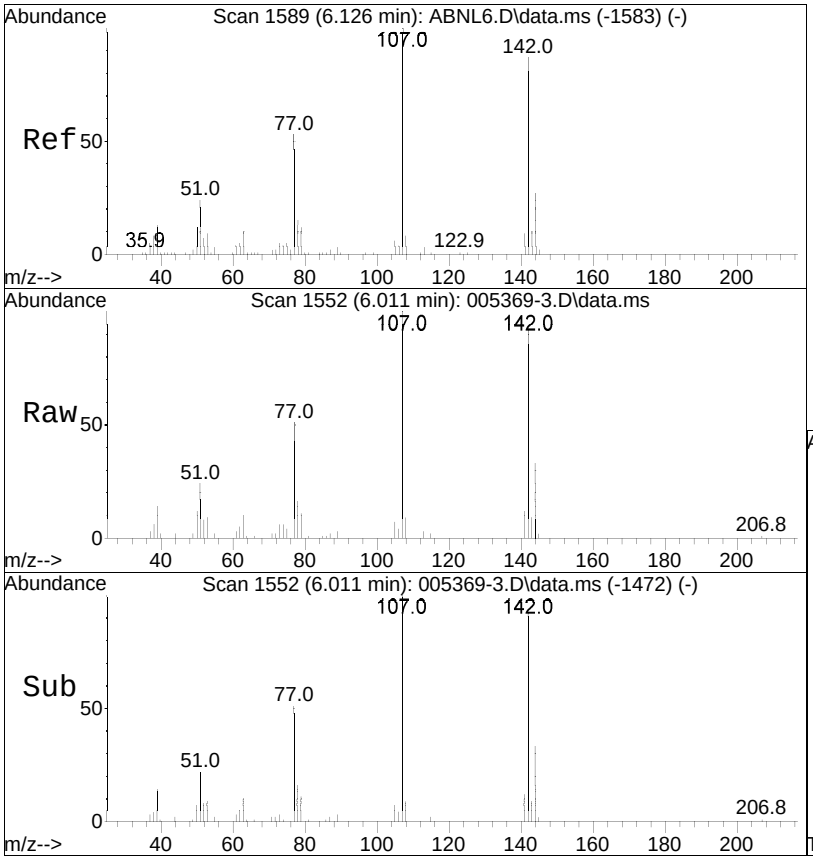


#41
Hexachlorobutadiene
Concen: 1.13 ug/ml
RT: 5.569 min Scan# 1410
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:225 Resp: 5580

Ion	Ratio	Lower	Upper
225	100		
223	60.9	50.3	75.5
227	62.8	52.2	78.2

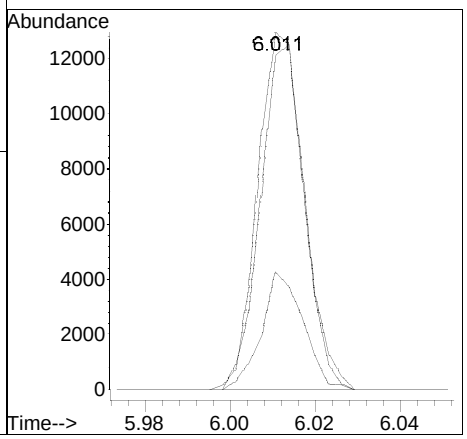


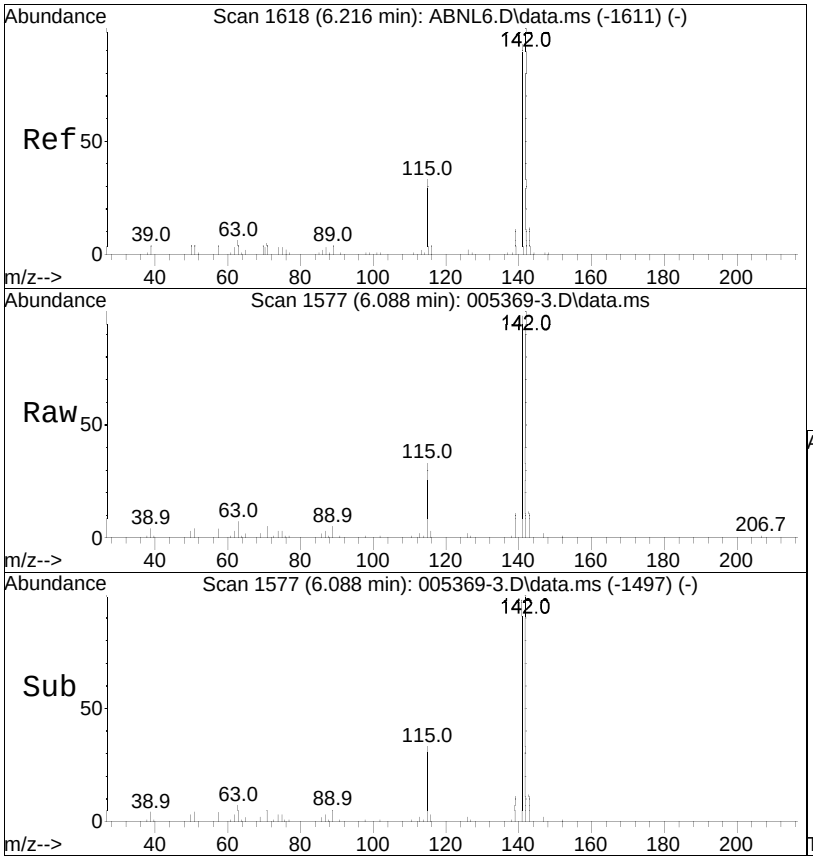


#42
p-Chloro-m-cresol
Concen: 1.77 ug/ml
RT: 6.011 min Scan# 1552
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:107 Resp: 9788

Ion	Ratio	Lower	Upper
107	100		
144	29.7	20.9	31.3
142	90.8	66.1	99.1

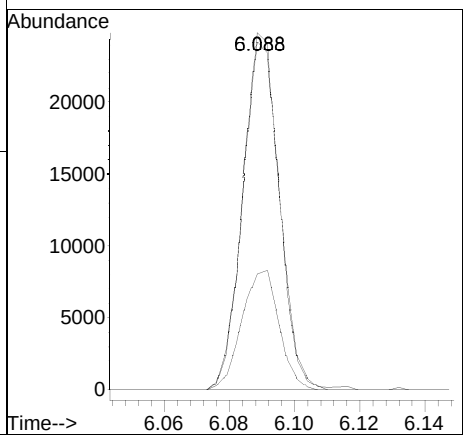


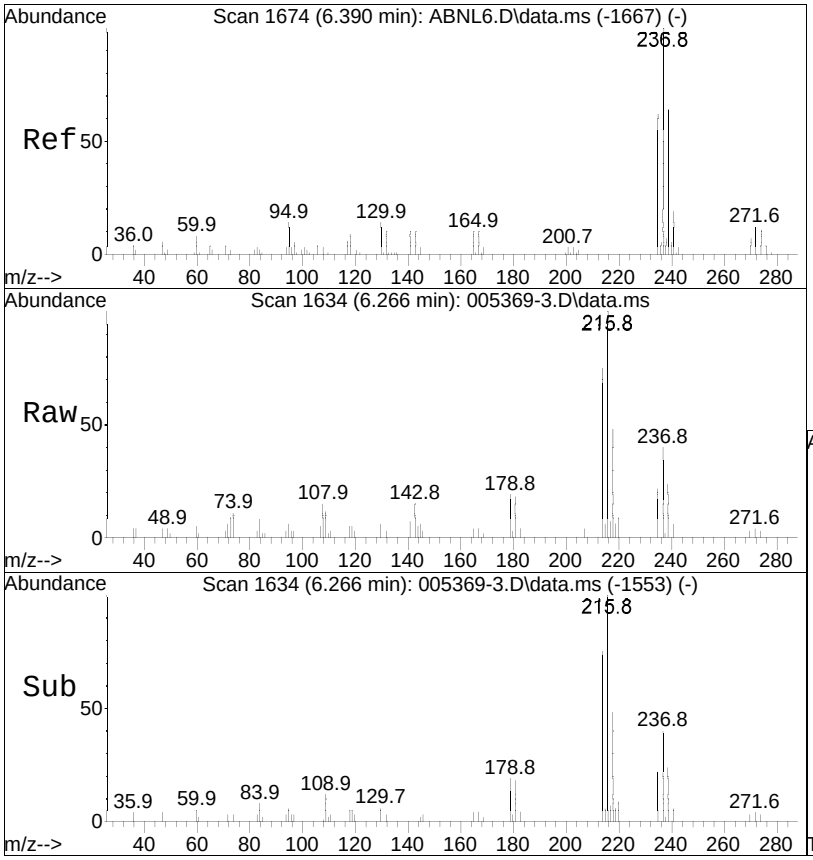


#43
2-Methylnaphthalene
Concen: 1.34 ug/ml
RT: 6.088 min Scan# 1577
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:142 Resp: 19449

Ion	Ratio	Lower	Upper
142	100		
141	96.7	69.6	104.4
115	34.0	26.6	40.0

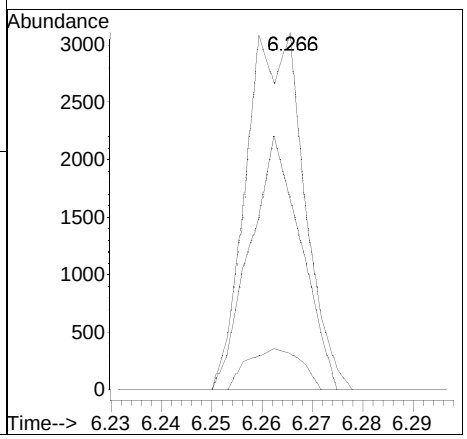


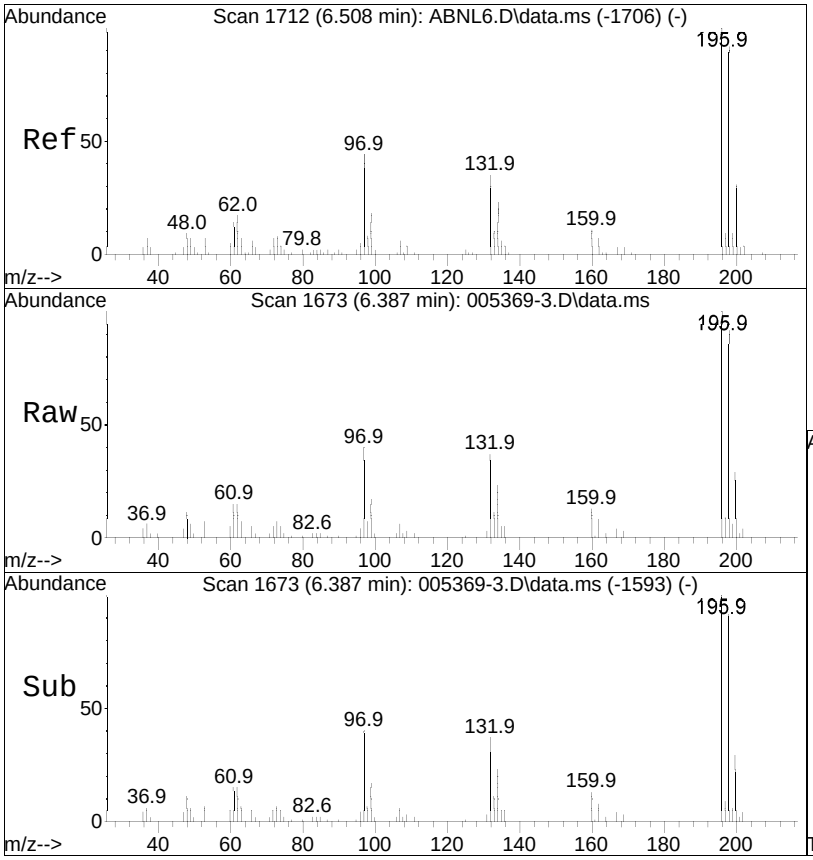


#45
Hexachlorocyclopentadiene
Concen: 0.47 ug/ml
RT: 6.266 min Scan# 1634
Delta R.T. 0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:237 Resp: 2452

Ion	Ratio	Lower	Upper
237	100		
235	63.2	49.7	74.5
272	0.0	9.8	14.6#

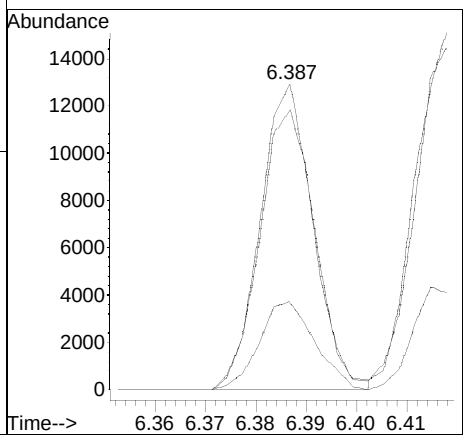


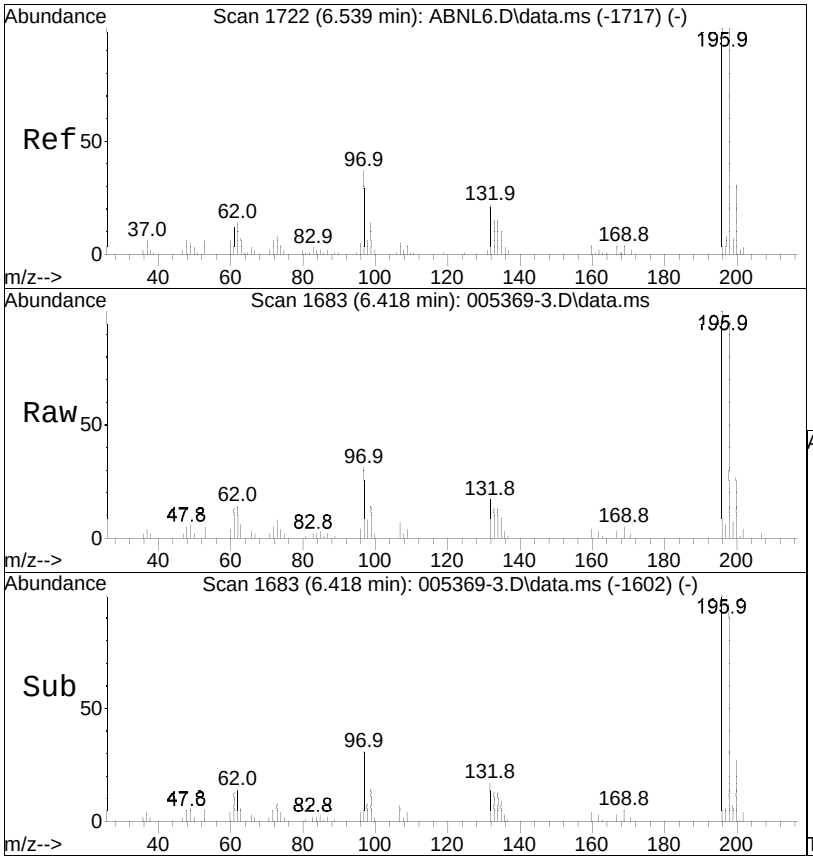


#46
2,4,6-Trichlorophenol
Concen: 1.73 ug/ml
RT: 6.387 min Scan# 1673
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:196 Resp: 9461

Ion	Ratio	Lower	Upper
196	100		
198	94.6	77.5	116.3
200	30.3	23.8	35.6

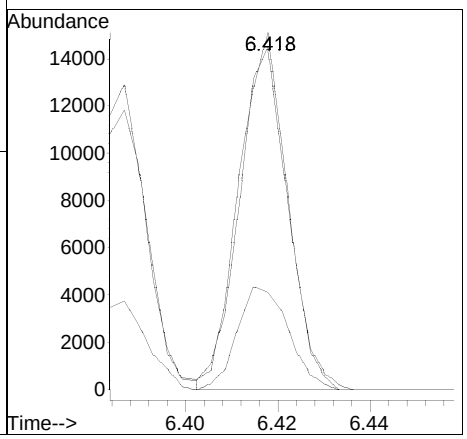


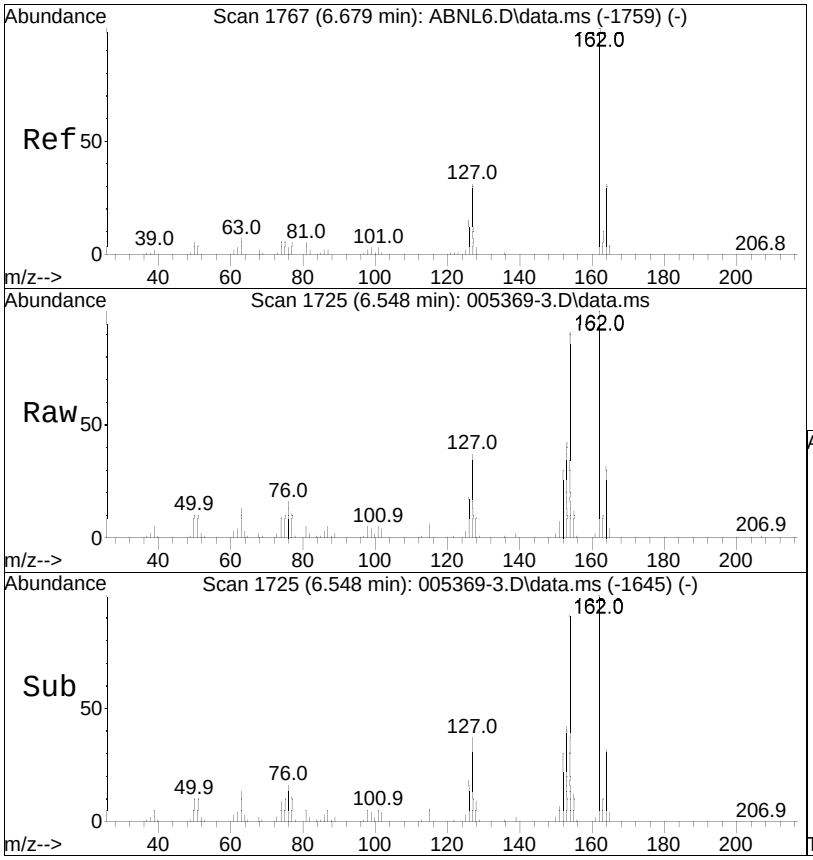


#47
2,4,5-Trichlorophenol
Concen: 1.81 ug/ml
RT: 6.418 min Scan# 1683
Delta R.T. 0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:196 Resp: 11055

Ion	Ratio	Lower	Upper
196	100		
200	30.6	25.4	38.0
198	95.6	78.0	117.0

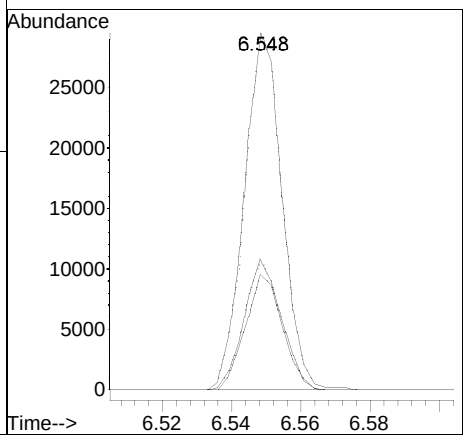


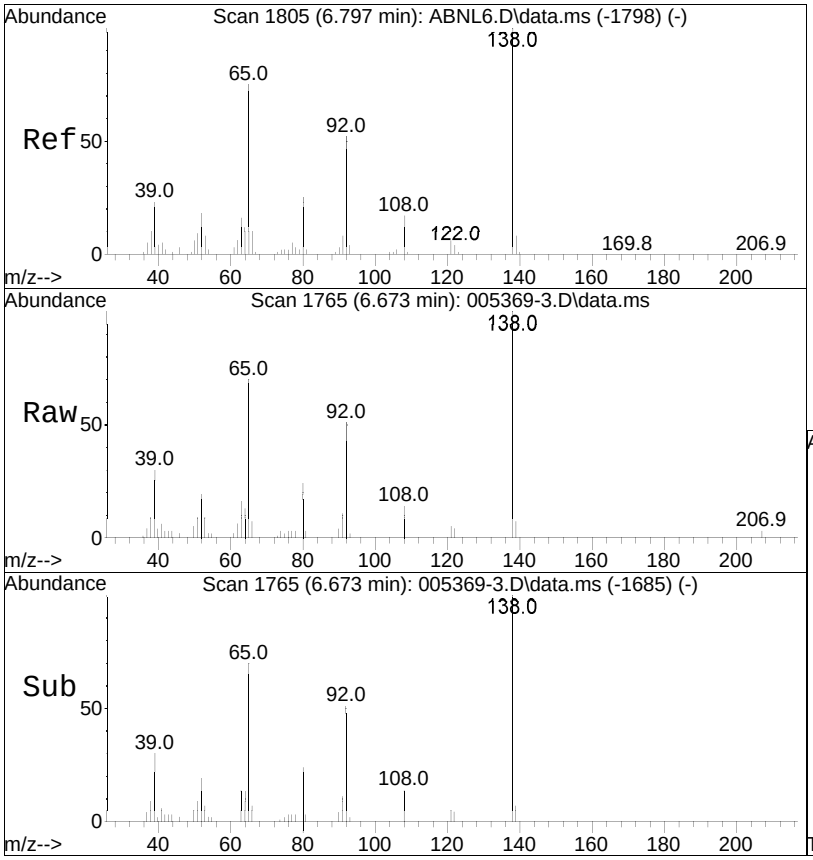


#49
2-Chloronaphthalene
Concen: 1.37 ug/ml
RT: 6.548 min Scan# 1725
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:162 Resp: 22235

Ion	Ratio	Lower	Upper
162	100		
127	36.1	32.2	48.4
164	31.9	25.7	38.5

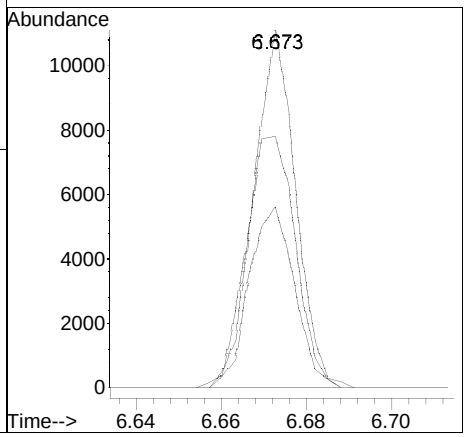


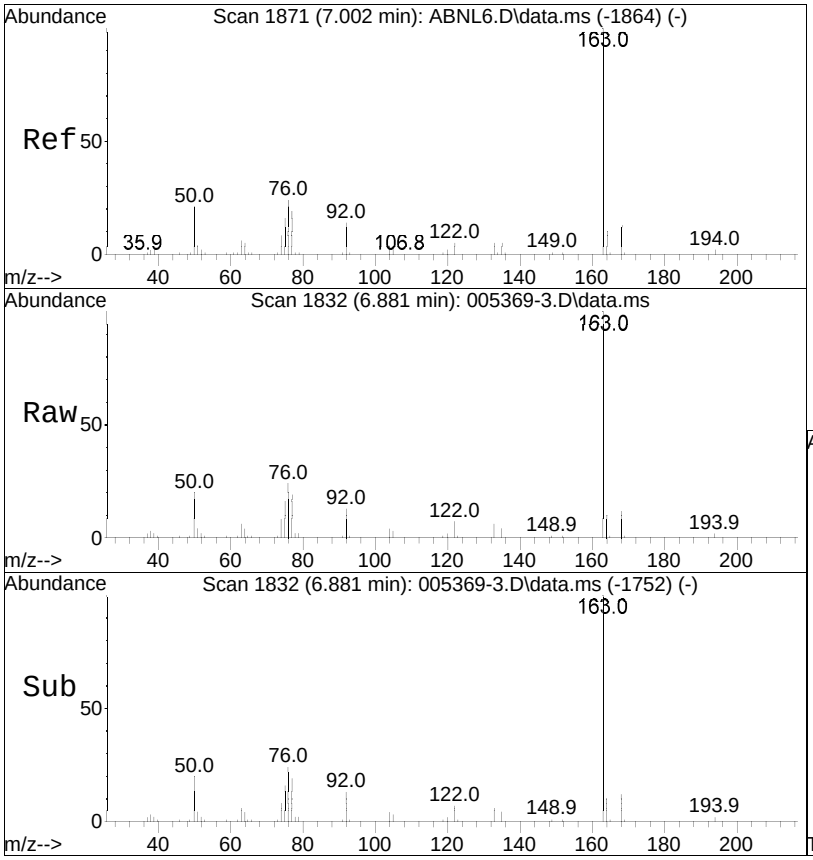


#50
2-Nitroaniline
Concen: 1.82 ug/ml
RT: 6.673 min Scan# 1765
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:138 Resp: 7572

Ion	Ratio	Lower	Upper
138	100		
92	54.9	53.5	80.3
65	82.7	86.3	129.5#

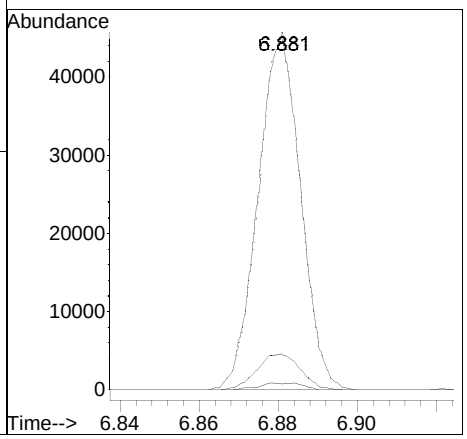


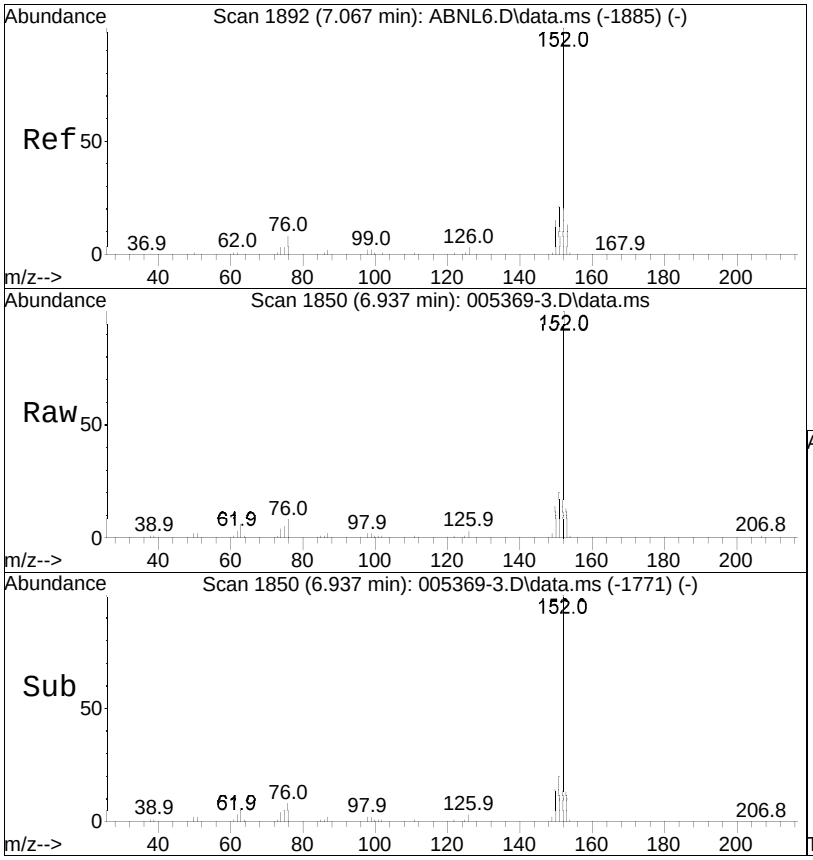


#53
Dimethyl phthalate
Concen: 1.78 ug/ml
RT: 6.881 min Scan# 1832
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:163 Resp: 33573

Ion	Ratio	Lower	Upper
163	100		
194	2.0	3.5	5.3#
164	10.6	7.9	11.9

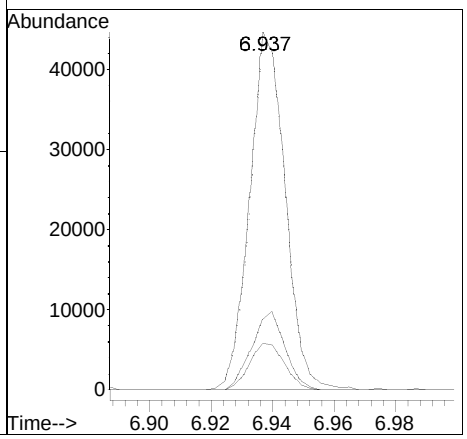


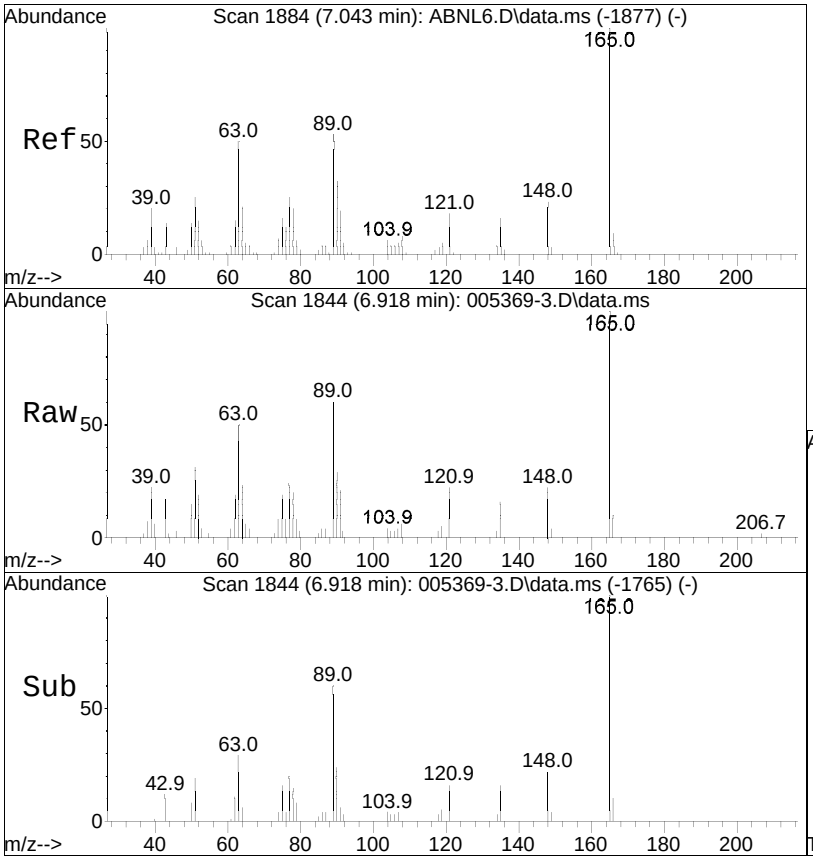


#54
Acenaphthylene
Concen: 1.49 ug/ml
RT: 6.937 min Scan# 1850
Delta R.T. -0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:152 Resp: 35452

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.6
153	12.9	10.5	15.7

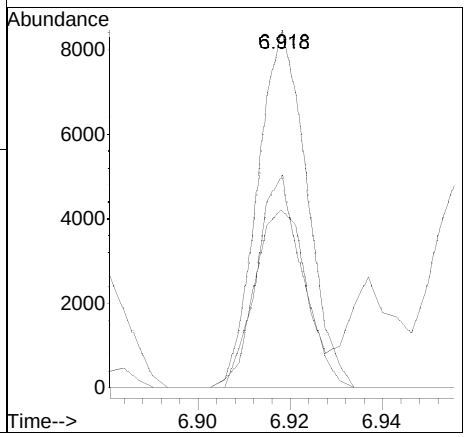


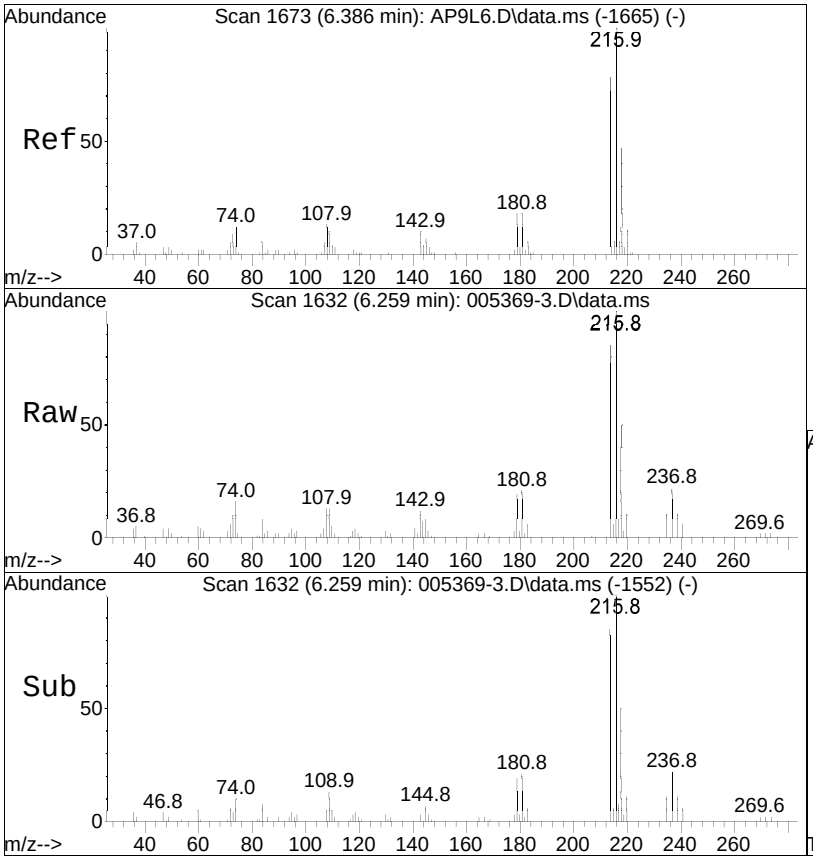


#55
2,6-Dinitrotoluene
Concen: 1.78 ug/ml
RT: 6.918 min Scan# 1844
Delta R.T. -0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:165 Resp: 6286

Ion	Ratio	Lower	Upper
165	100		
89	55.2	54.2	81.2
63	52.4	64.2	96.2#

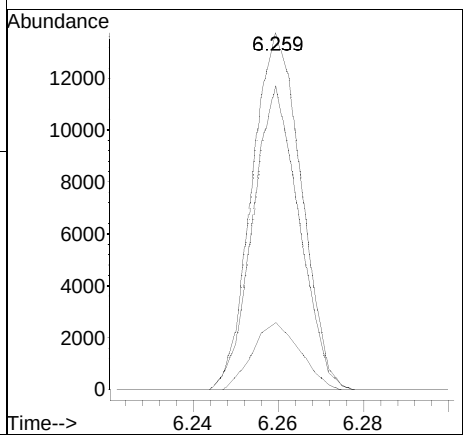


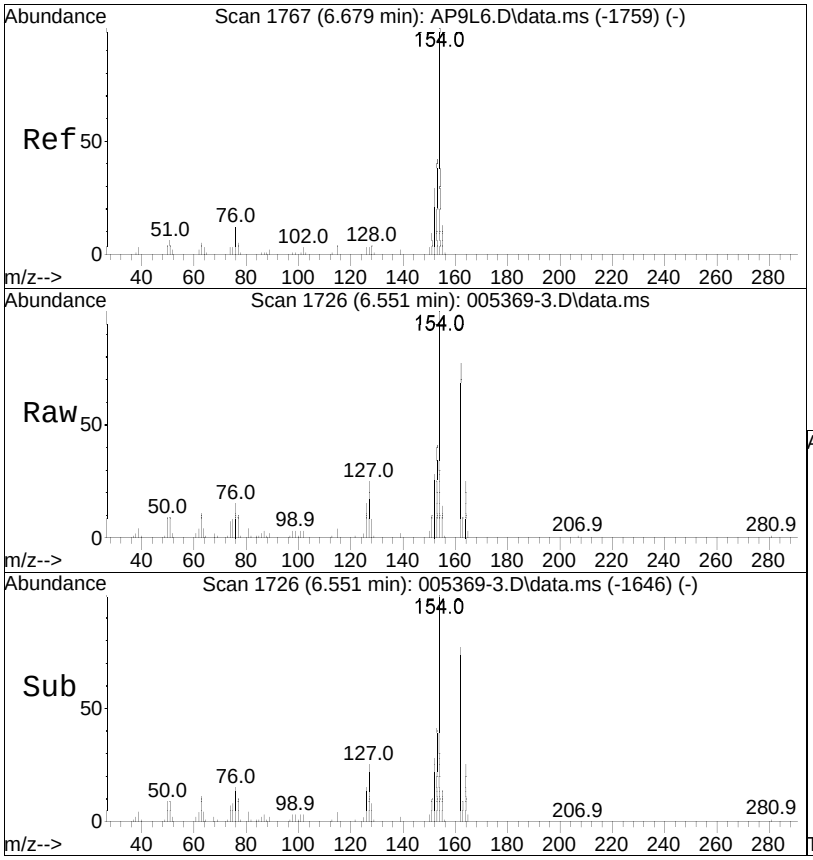


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.40 ug/ml
RT: 6.259 min Scan# 1632
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:216 Resp: 10992

Ion	Ratio	Lower	Upper
216	100		
214	80.3	63.7	95.5
179	18.4	19.0	28.6#

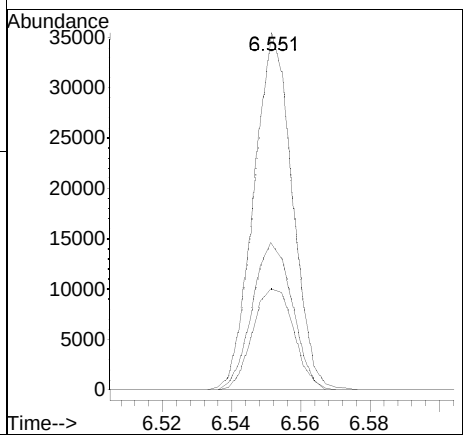


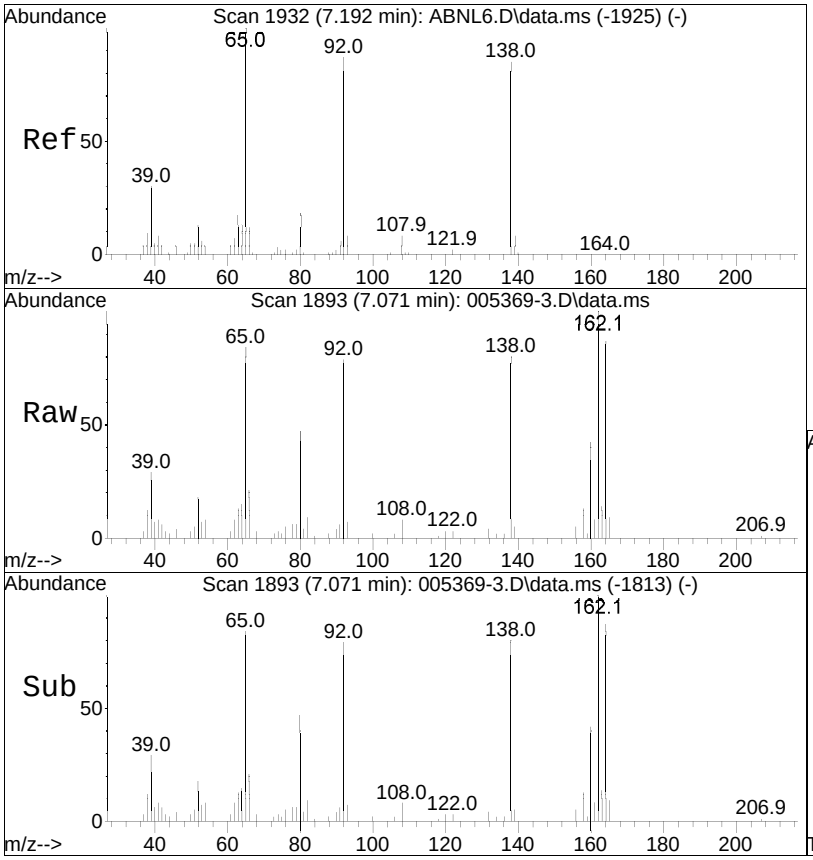


#64
Biphenyl
Concen: 1.70 ug/ml
RT: 6.551 min Scan# 1726
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:154 Resp: 27288

Ion	Ratio	Lower	Upper
154	100		
153	43.0	32.3	48.5
152	30.4	22.5	33.7

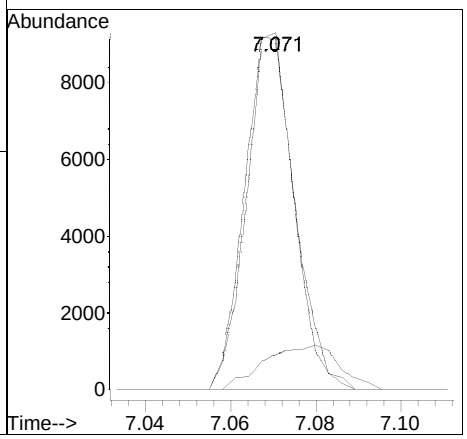


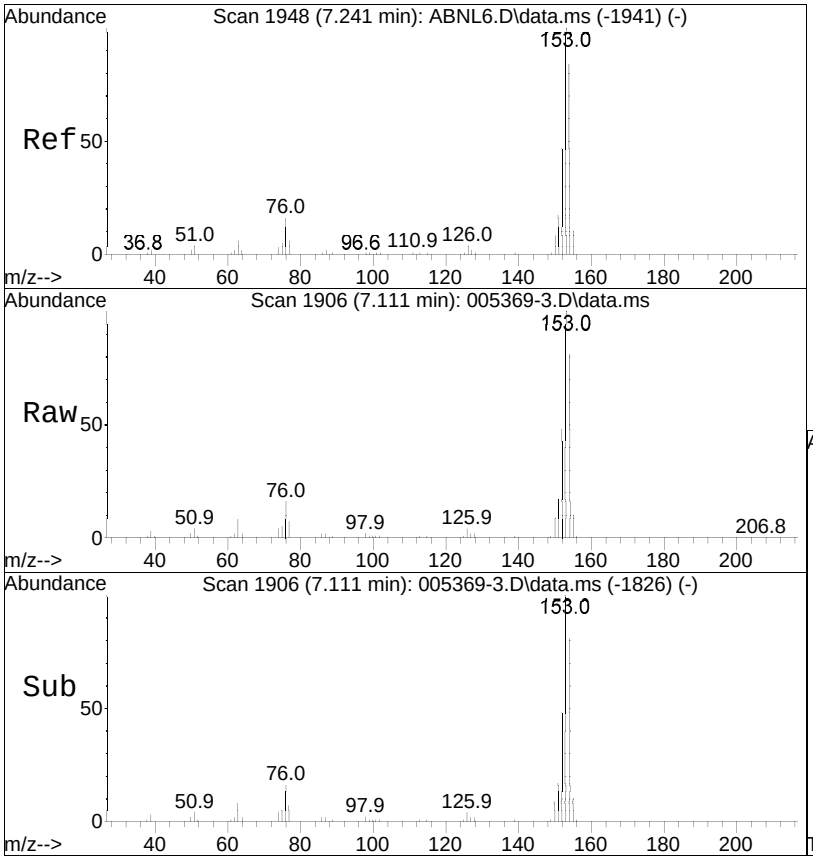


#66
3-Nitroaniline
Concen: 1.81 ug/ml
RT: 7.071 min Scan# 1893
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:138 Resp: 7081

Ion	Ratio	Lower	Upper
138	100		
92	105.9	93.4	140.2
108	20.1	9.5	14.3#

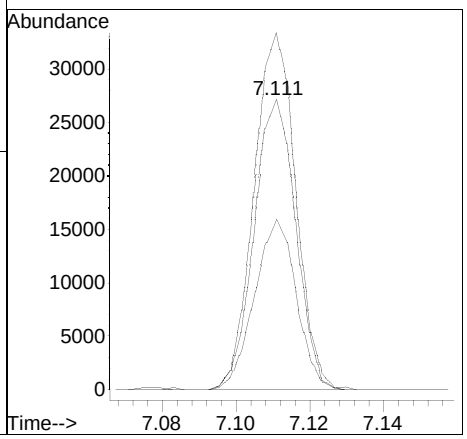


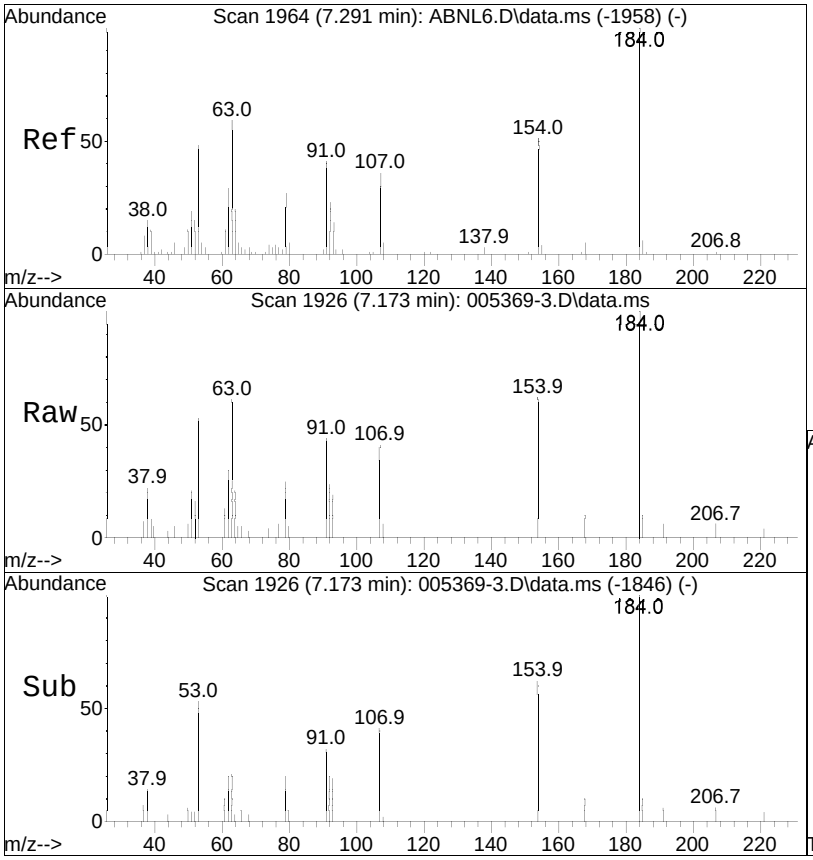


#67
Acenaphthene
Concen: 1.45 ug/ml
RT: 7.111 min Scan# 1906
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:154 Resp: 21316

Ion	Ratio	Lower	Upper
154	100		
153	122.9	85.3	127.9
152	58.8	41.4	62.0

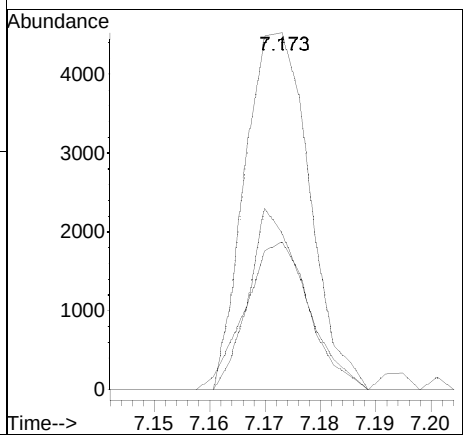


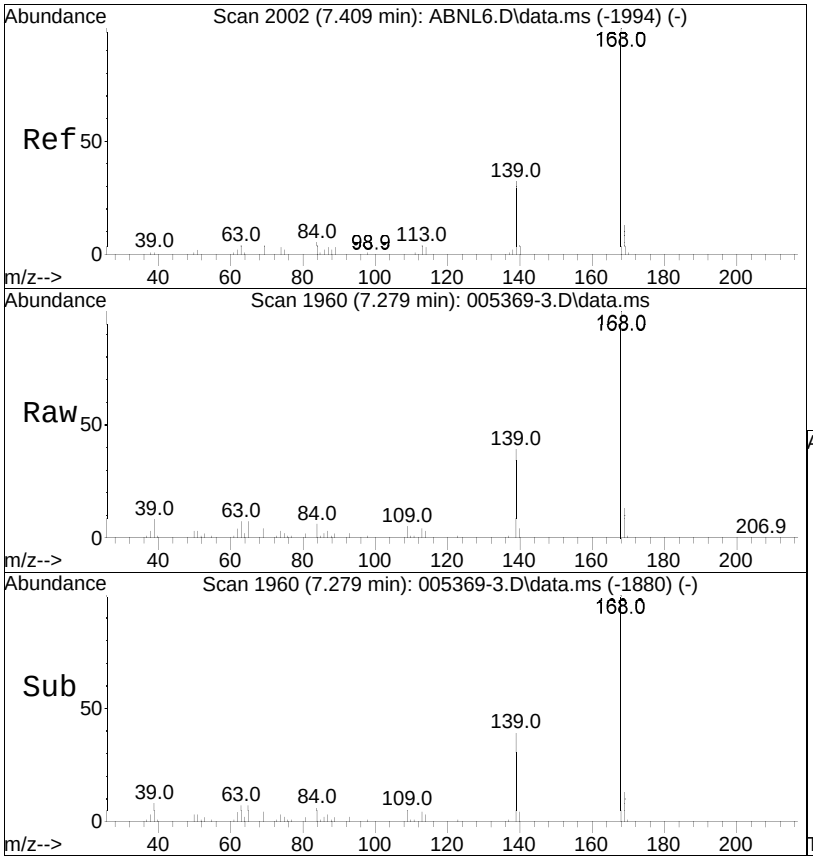


#68
2,4-Dinitrophenol
Concen: 1.53 ug/ml
RT: 7.173 min Scan# 1926
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:184 Resp: 3648

Ion	Ratio	Lower	Upper
184	100		
107	39.6	37.7	56.5
91	45.3	46.3	69.5#

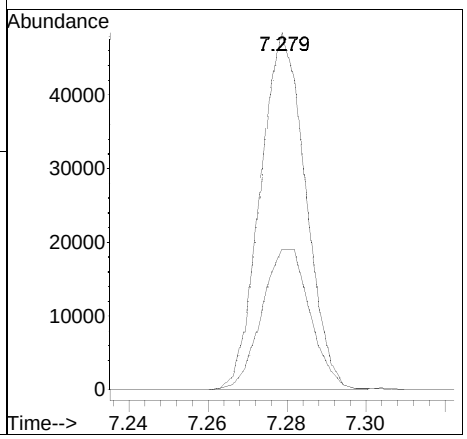


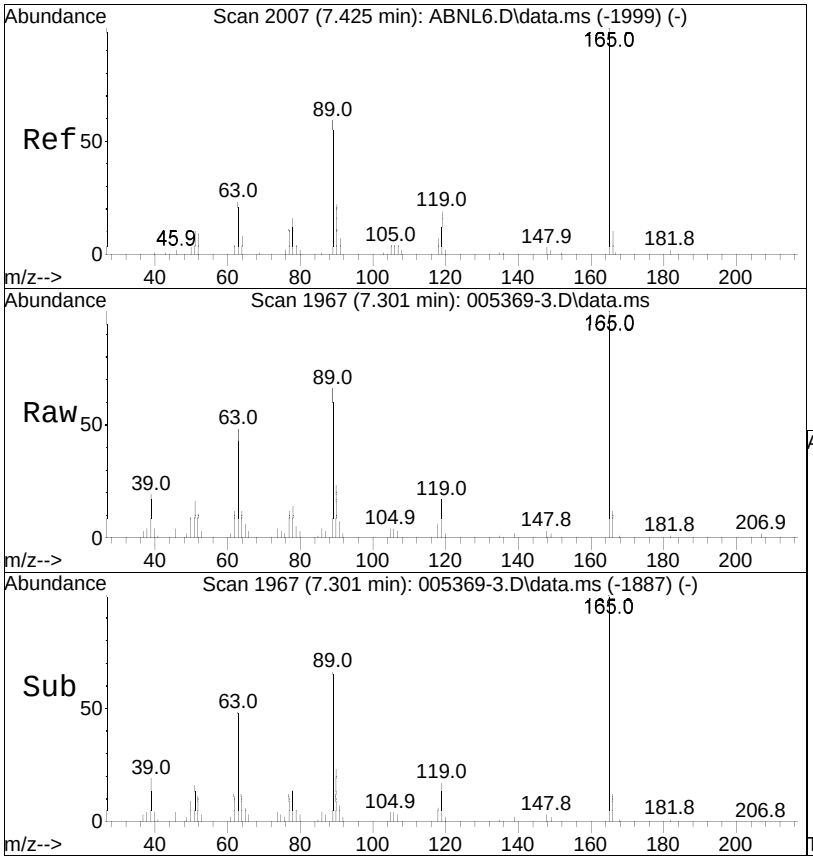


#69
Dibenzofuran
Concen: 1.50 ug/ml
RT: 7.279 min Scan# 1960
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:168 Resp: 38192

Ion	Ratio	Lower	Upper
168	100		
139	42.4	31.4	47.2

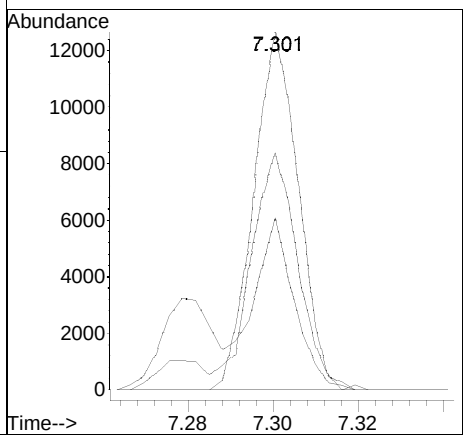


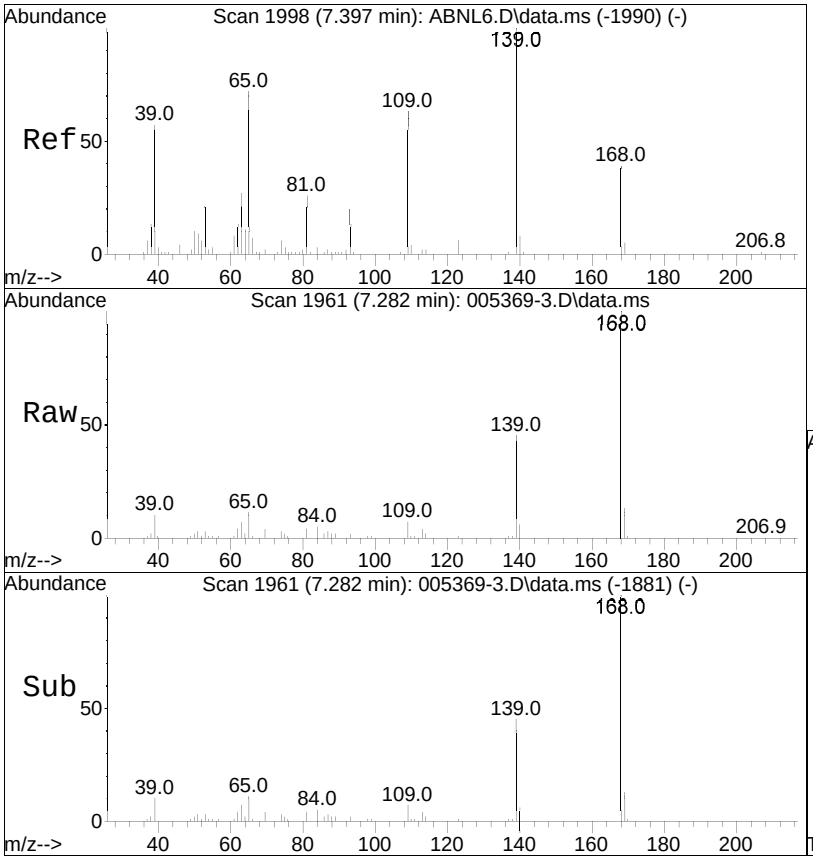


#70
2,4-Dinitrotoluene
Concen: 1.88 ug/ml
RT: 7.301 min Scan# 1967
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:165 Resp: 9221

Ion	Ratio	Lower	Upper
165	100		
89	68.8	72.0	108.0#
63	44.3	52.7	79.1#

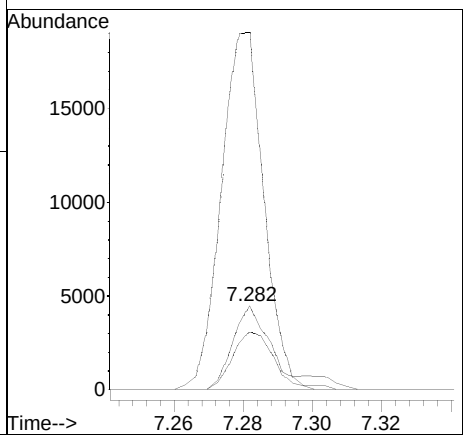


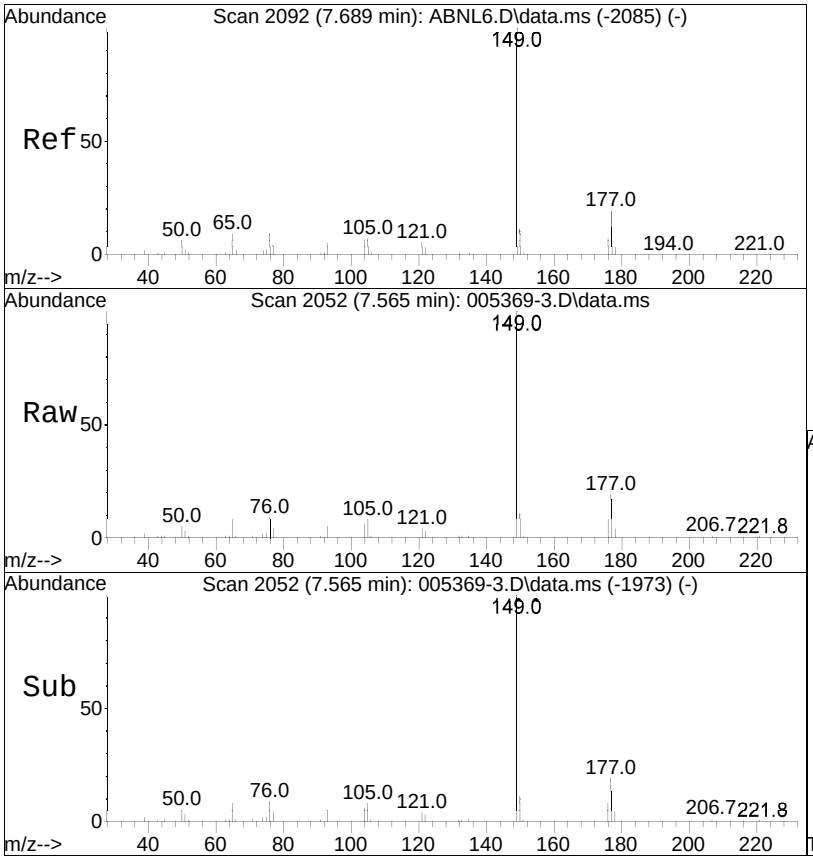


#71
4-Nitrophenol
Concen: 1.30 ug/ml
RT: 7.282 min Scan# 1961
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion: 65 Resp: 3787

Ion	Ratio	Lower	Upper
65	100		
109	65.8	47.4	71.2
139	427.4	76.6	115.0#

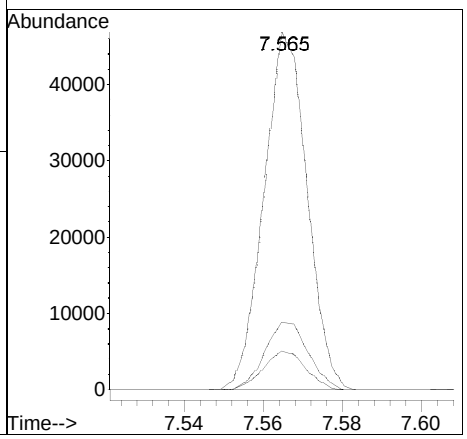


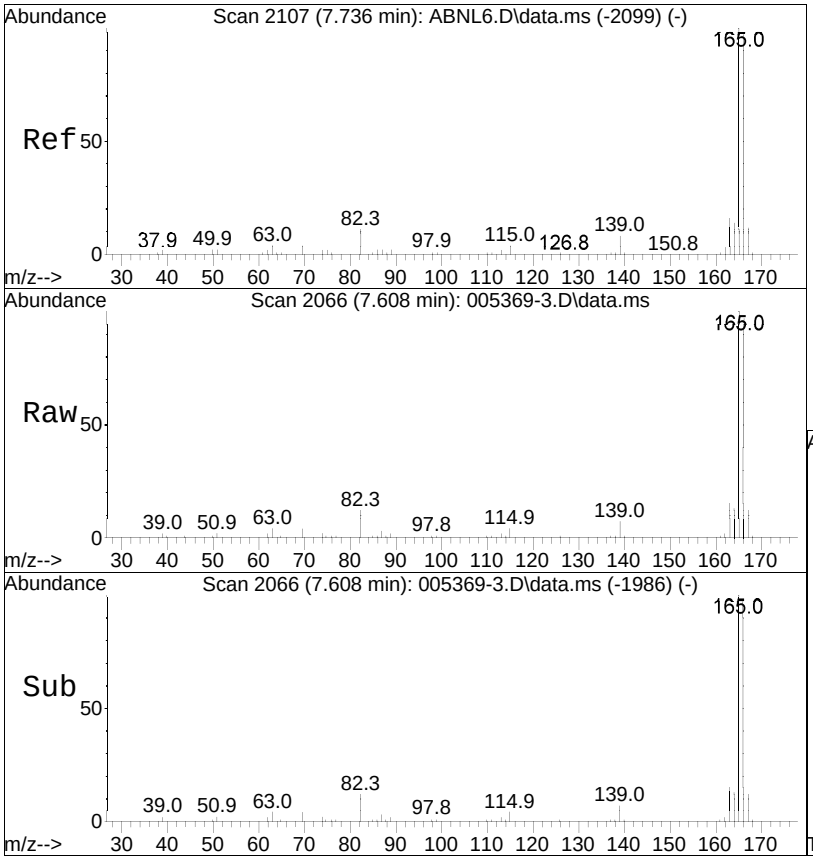


#74
Diethyl phthalate
Concen: 1.76 ug/ml
RT: 7.565 min Scan# 2052
Delta R.T. -0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:149 Resp: 35172

Ion	Ratio	Lower	Upper
149	100		
177	19.2	16.1	24.1
150	10.9	9.4	14.2

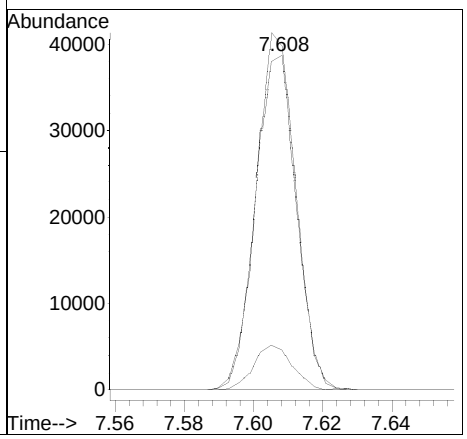


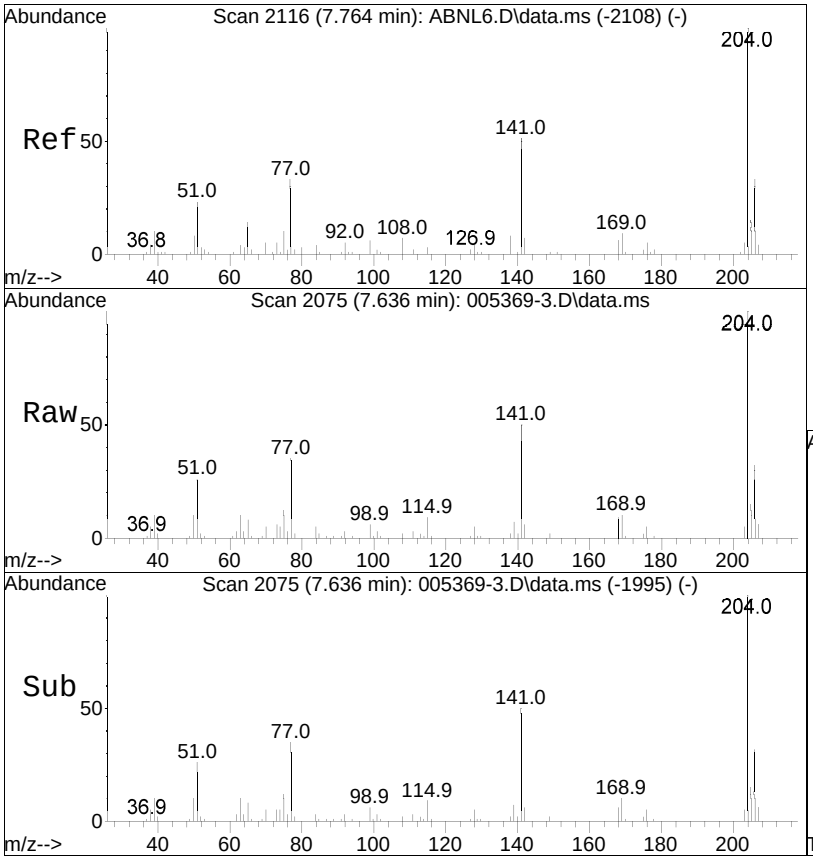


#75
Fluorene
Concen: 1.63 ug/ml
RT: 7.608 min Scan# 2066
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:166 Resp: 31675

Ion	Ratio	Lower	Upper
166	100		
165	104.3	76.2	114.2
167	12.8	10.6	15.8

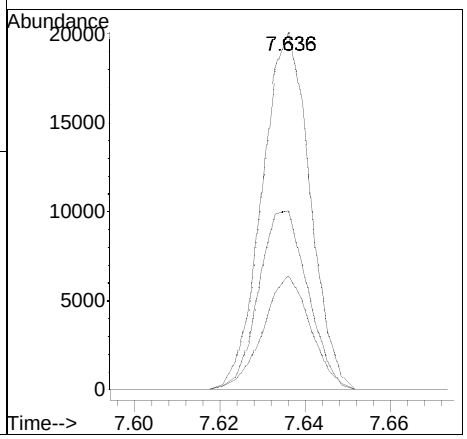


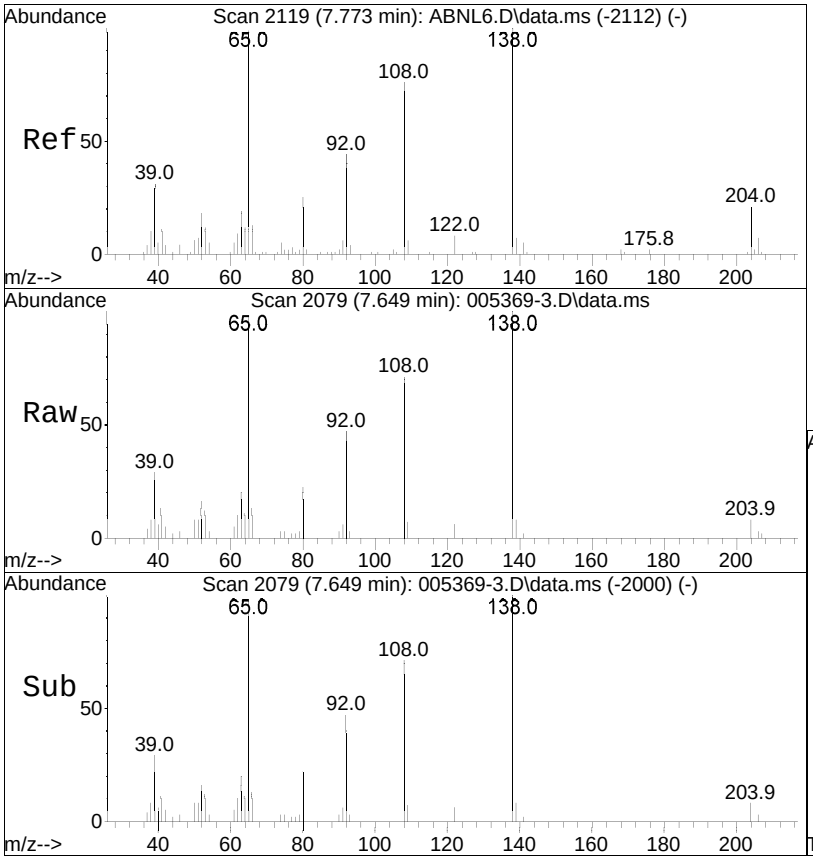


#76
4-Chlorophenyl phenyl ether
Concen: 1.55 ug/ml
RT: 7.636 min Scan# 2075
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:204 Resp: 15539

Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.8	38.6
141	51.2	53.6	80.4#

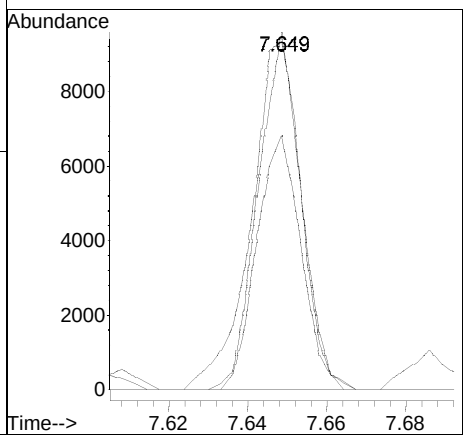


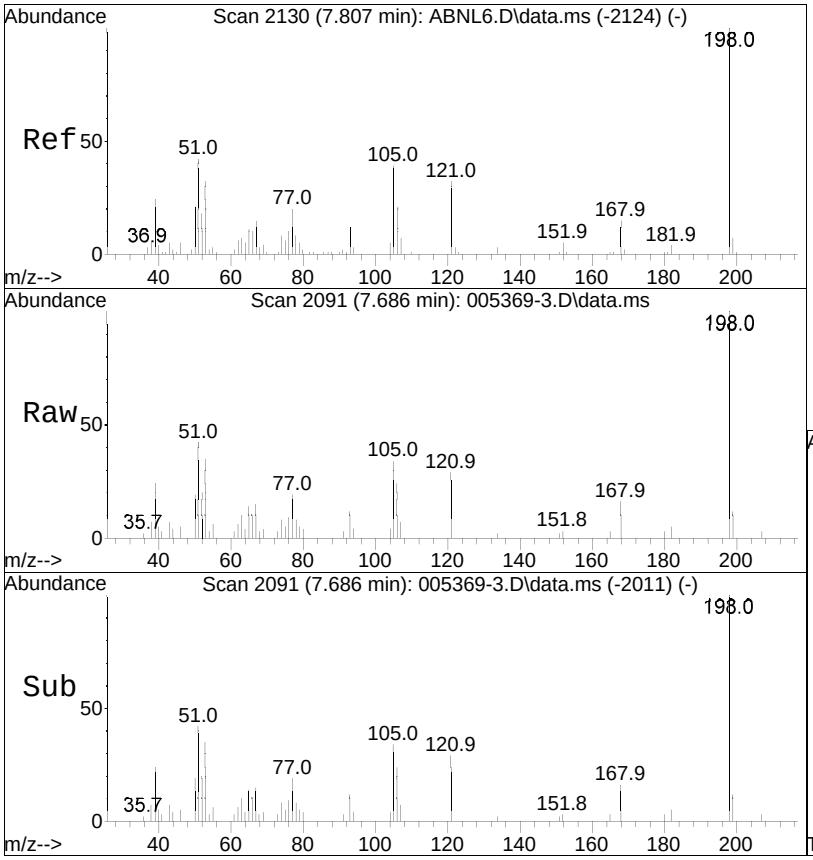


#77
4-Nitroaniline
Concen: 1.90 ug/ml
RT: 7.649 min Scan# 2079
Delta R.T. -0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:138 Resp: 7171

Ion	Ratio	Lower	Upper
138	100		
108	73.5	52.1	78.1
65	113.6	115.0	172.6#

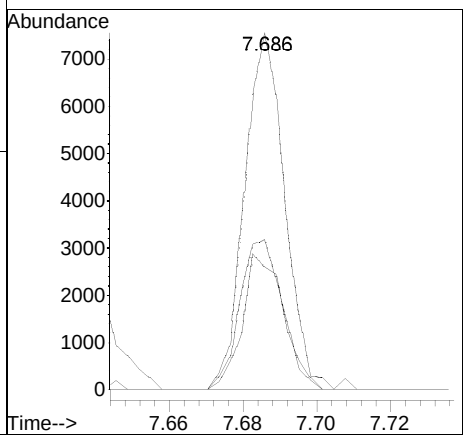


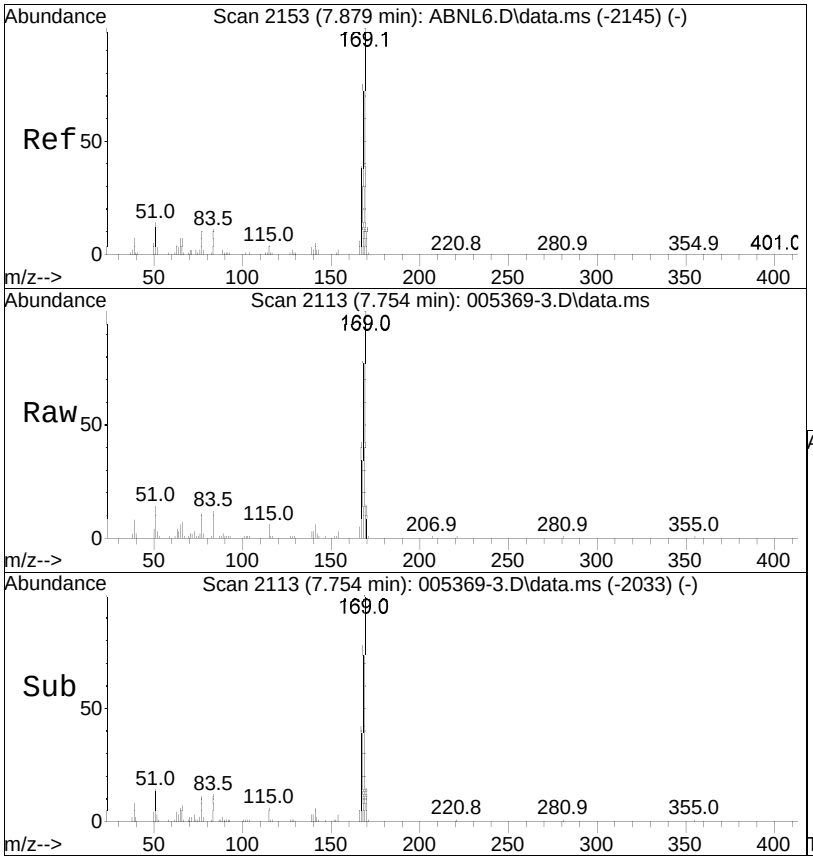


#78
4,6-Dinitro-o-cresol
Concen: 1.92 ug/ml
RT: 7.686 min Scan# 2091
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:198 Resp: 5692

Ion	Ratio	Lower	Upper
198	100		
51	44.7	76.0	114.0#
105	39.2	45.6	68.4#

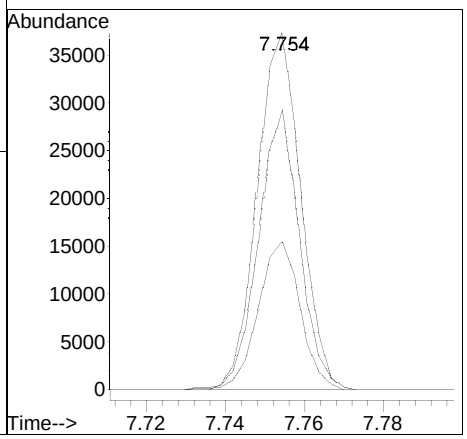


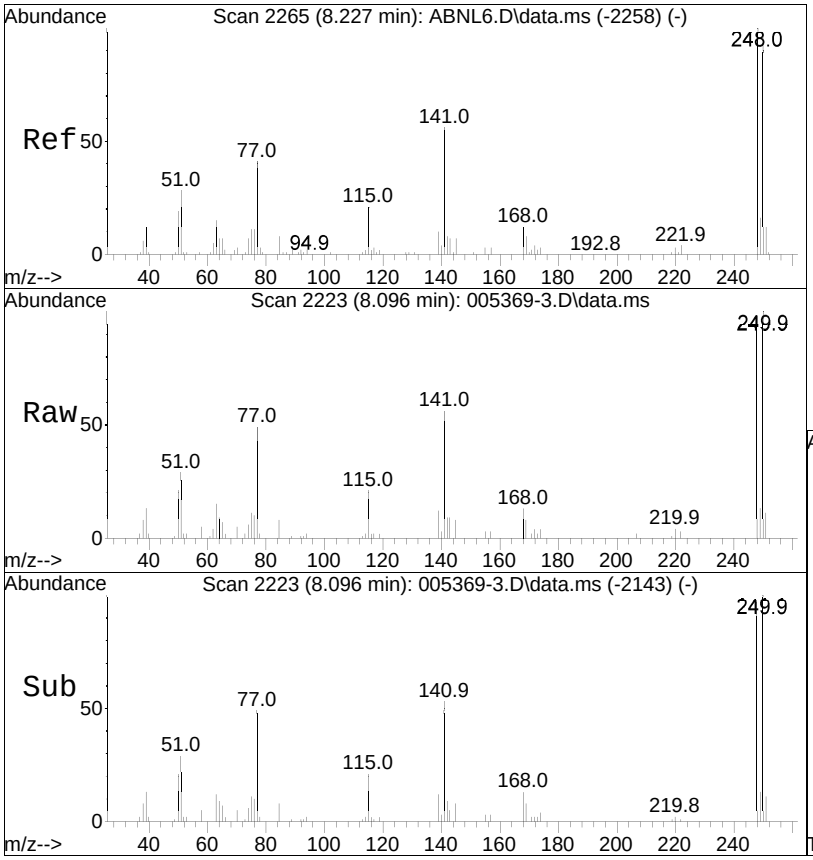


#79
NDPA/DPA
Concen: 1.69 ug/ml
RT: 7.754 min Scan# 2113
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:169 Resp: 28546

Ion	Ratio	Lower	Upper
169	100		
168	74.1	54.0	81.0
167	40.2	28.6	42.8

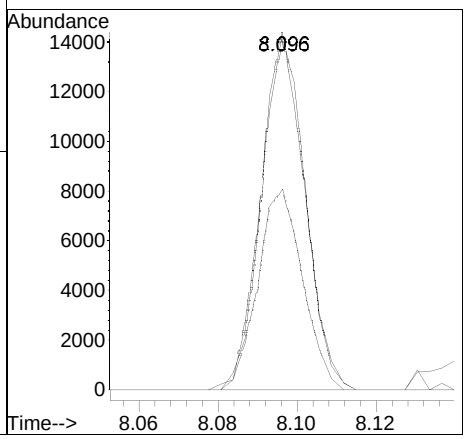


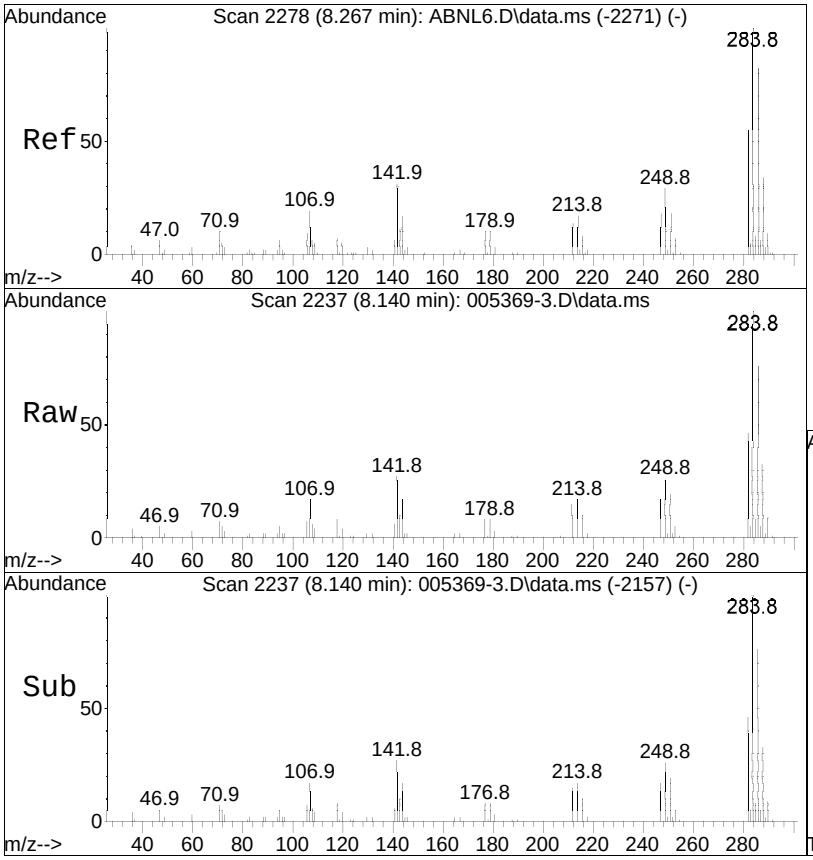


#82
4-Bromophenyl phenyl ether
Concen: 1.67 ug/ml
RT: 8.096 min Scan# 2223
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:248 Resp: 11036

Ion	Ratio	Lower	Upper
248	100		
141	57.1	76.6	114.8#
250	97.8	77.3	115.9

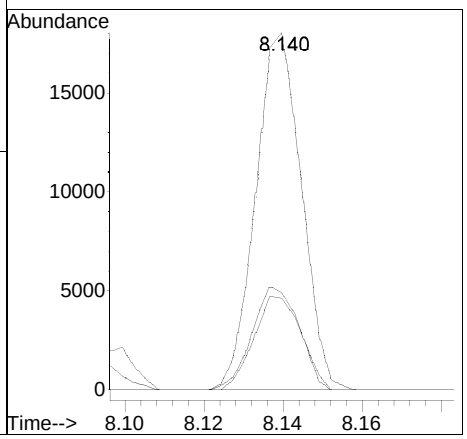


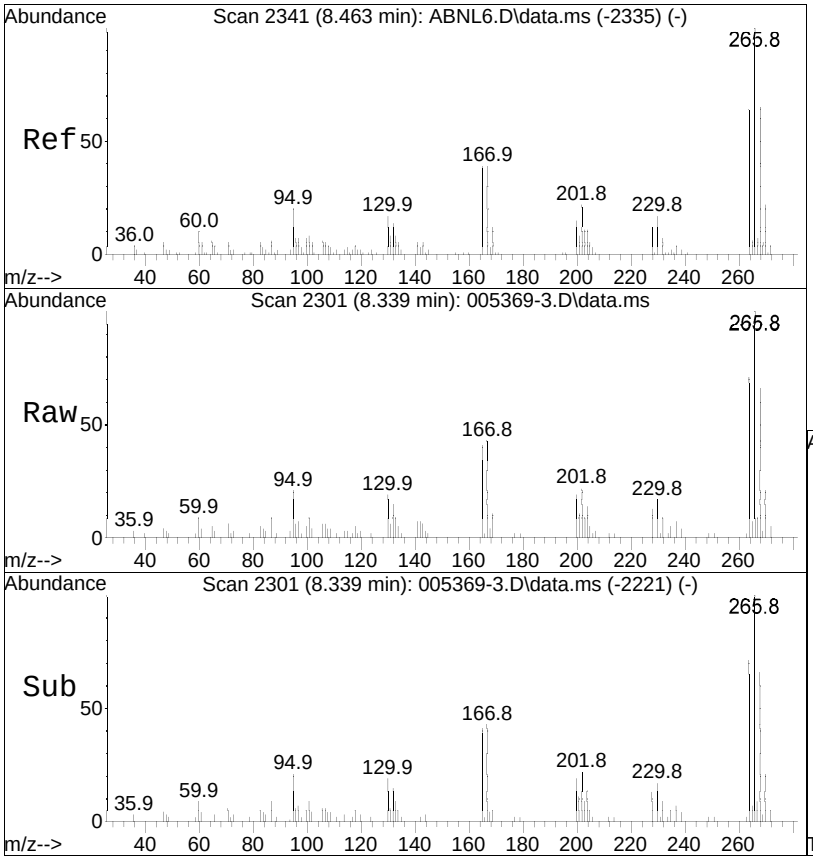


#83
Hexachlorobenzene
Concen: 1.74 ug/ml
RT: 8.140 min Scan# 2237
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:284 Resp: 14436

Ion	Ratio	Lower	Upper
284	100		
142	29.6	41.9	62.9#
249	27.2	24.1	36.1

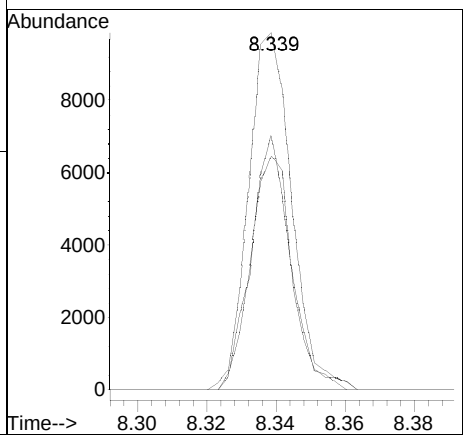


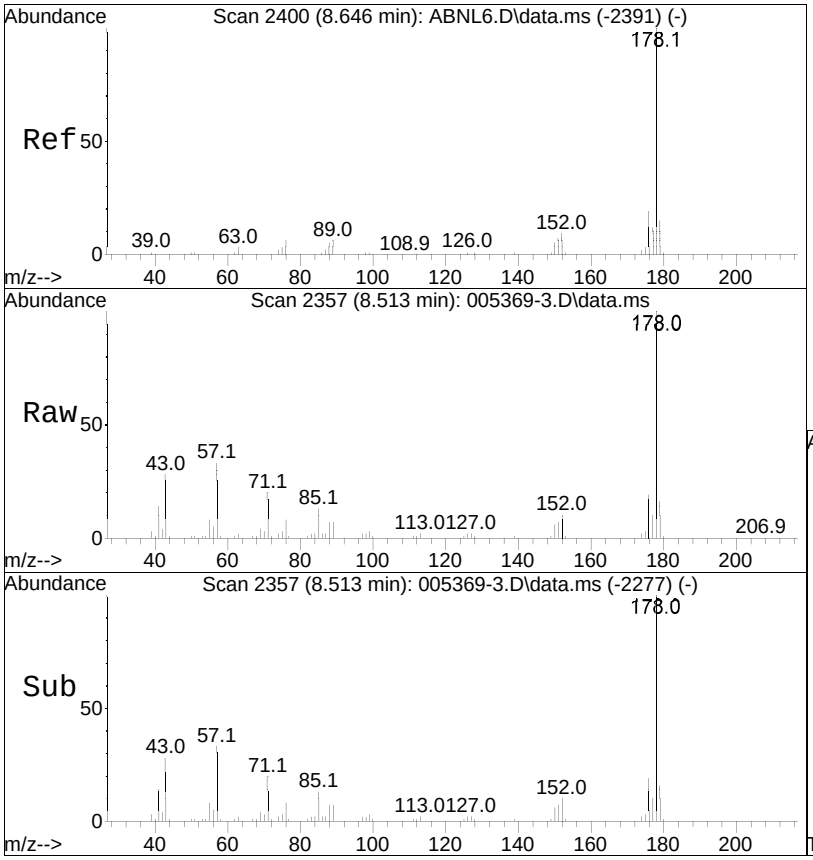


#84
Pentachlorophenol
Concen: 1.90 ug/ml
RT: 8.339 min Scan# 2301
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:266 Resp: 8562

Ion	Ratio	Lower	Upper
266	100		
264	64.9	49.7	74.5
268	64.0	50.5	75.7

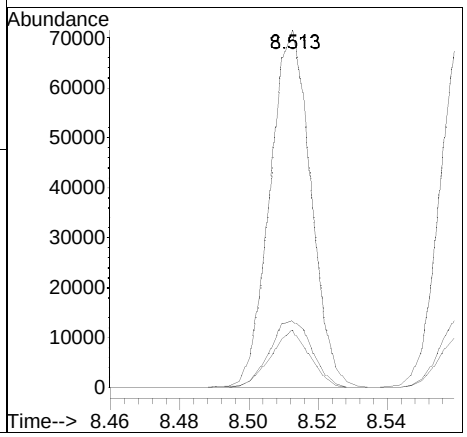


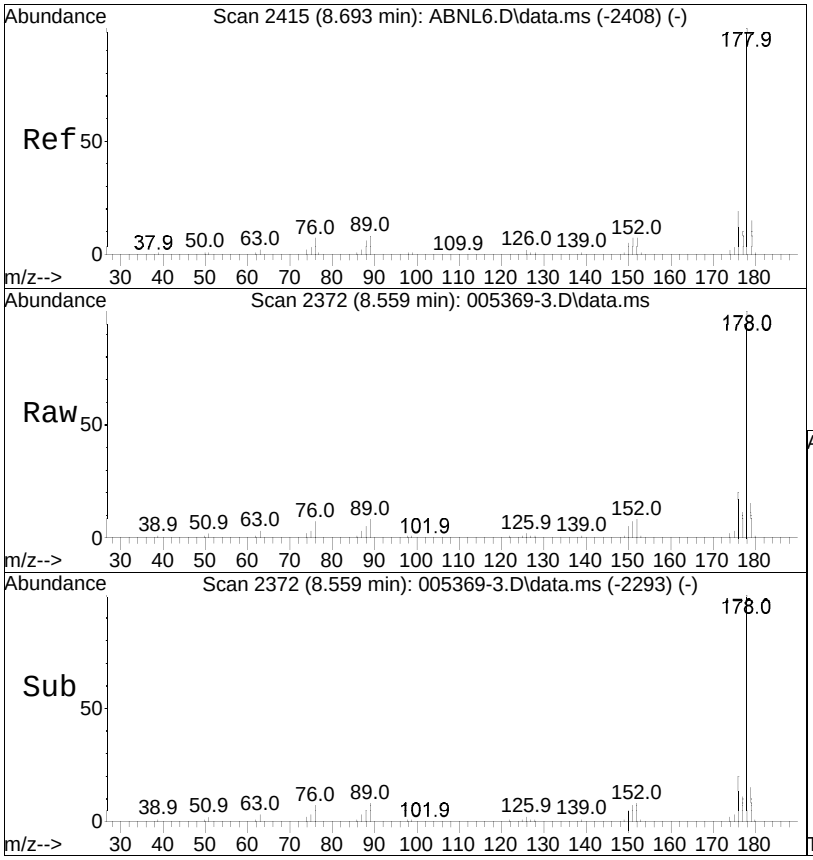


#91
Phenanthrene
Concen: 1.77 ug/ml
RT: 8.513 min Scan# 2357
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:178 Resp: 58707

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	19.4	15.4	23.2

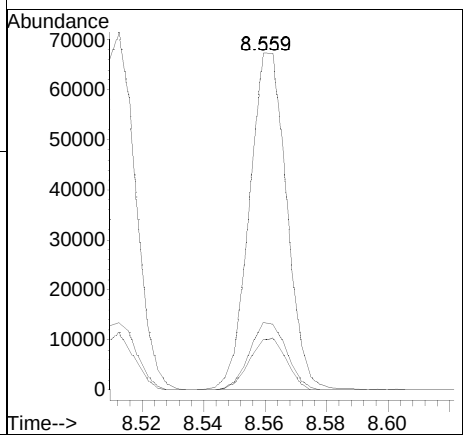


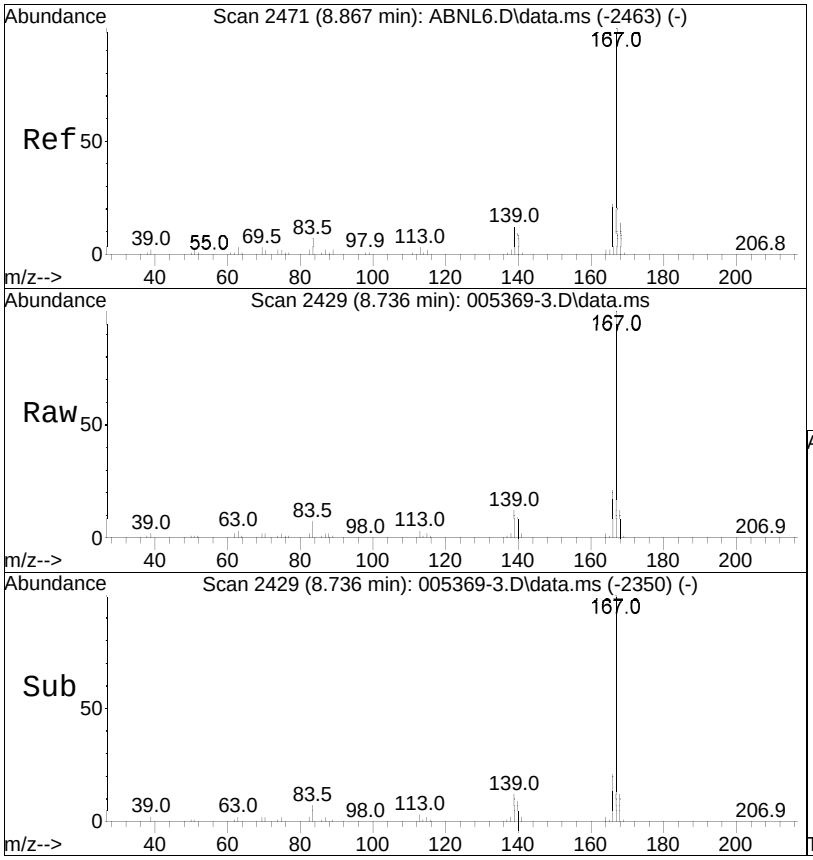


#92
Anthracene
Concen: 1.74 ug/ml
RT: 8.559 min Scan# 2372
Delta R.T. -0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:178 Resp: 56661

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.0	18.0
176	19.8	14.6	22.0

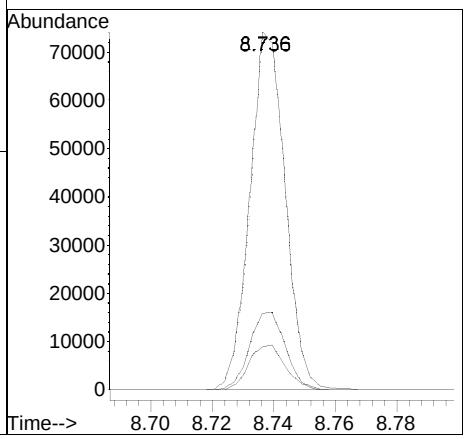


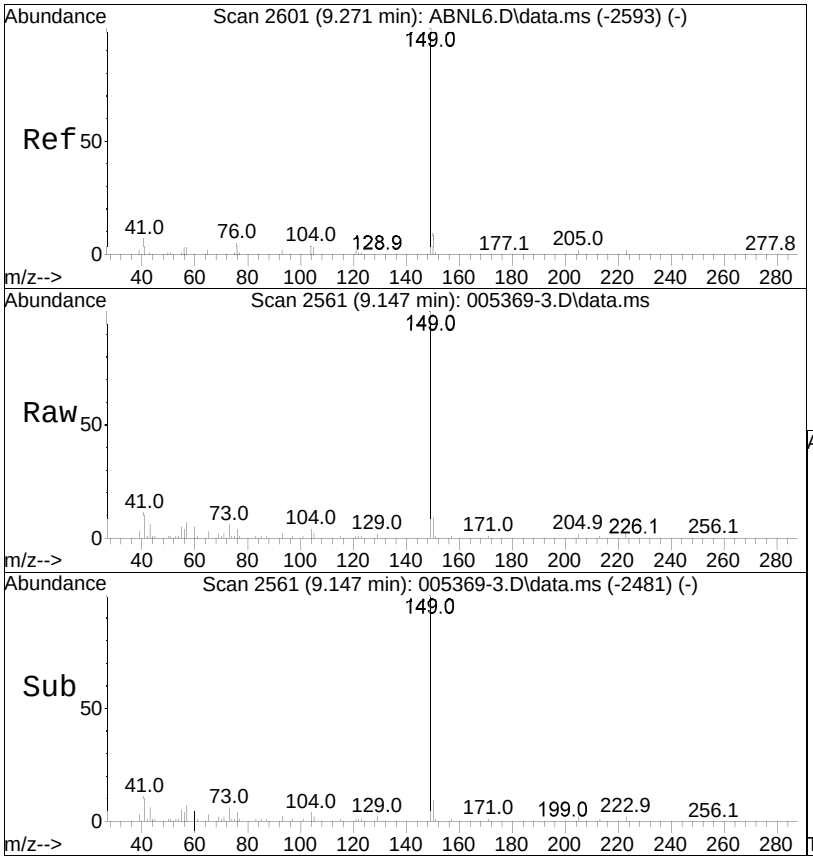


#93
Carbazole
Concen: 1.96 ug/ml
RT: 8.736 min Scan# 2429
Delta R.T. -0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:167 Resp: 58574

Ion	Ratio	Lower	Upper
167	100		
168	13.0	10.6	15.8
166	22.1	17.4	26.0

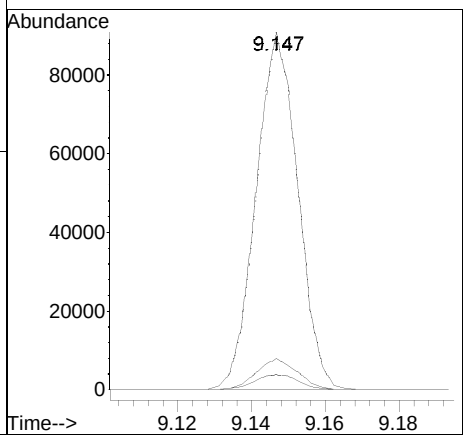


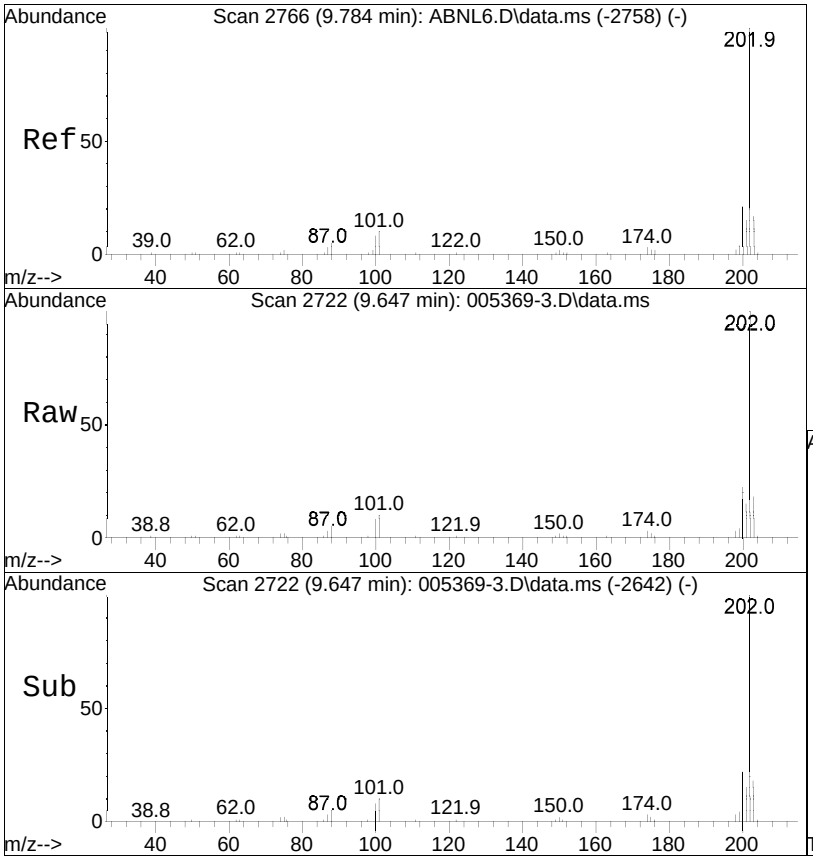


#94
Di-n-butylphthalate
Concen: 2.08 ug/ml
RT: 9.147 min Scan# 2561
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:149 Resp: 70397

Ion	Ratio	Lower	Upper
149	100		
150	8.4	7.0	10.6
104	4.3	4.5	6.7#

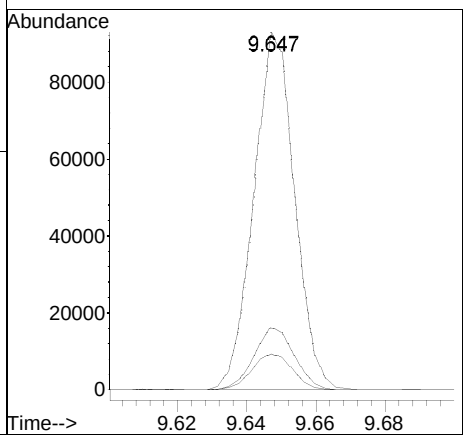


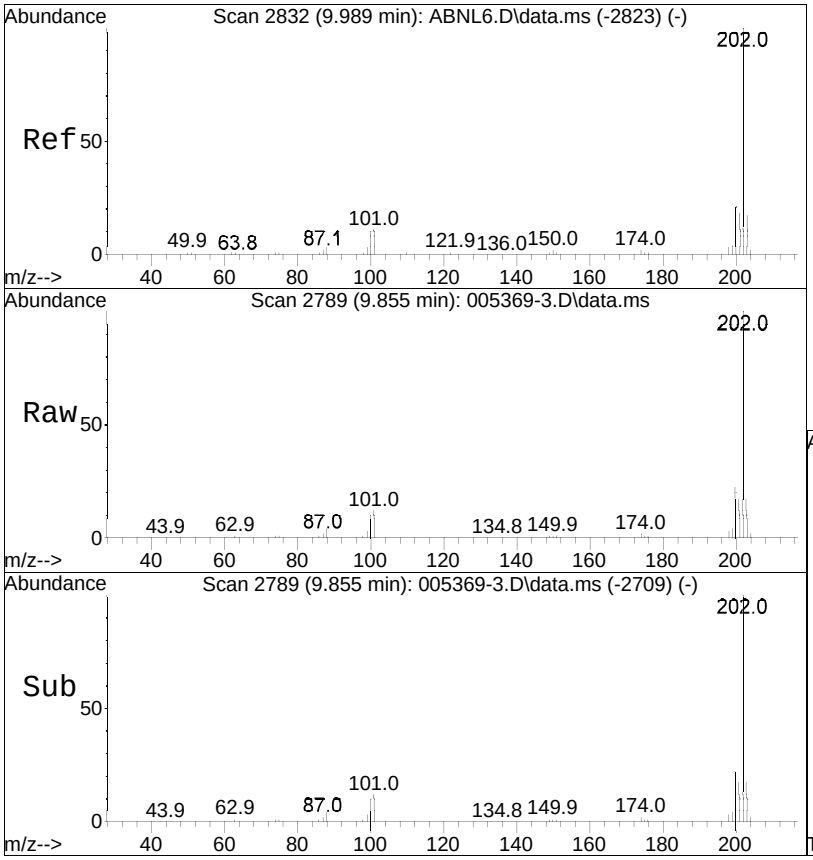


#95
Fluoranthene
Concen: 1.90 ug/ml
RT: 9.647 min Scan# 2722
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:202 Resp: 75555

Ion	Ratio	Lower	Upper
202	100		
101	10.2	13.5	20.3#
203	17.4	13.6	20.4

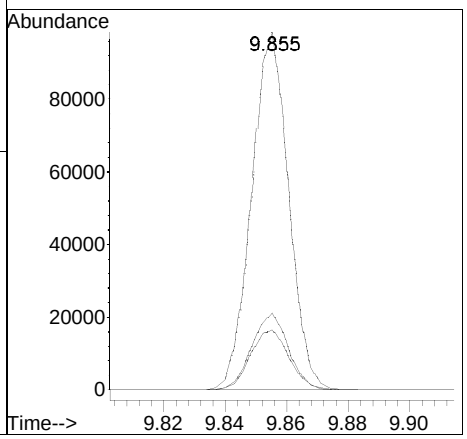


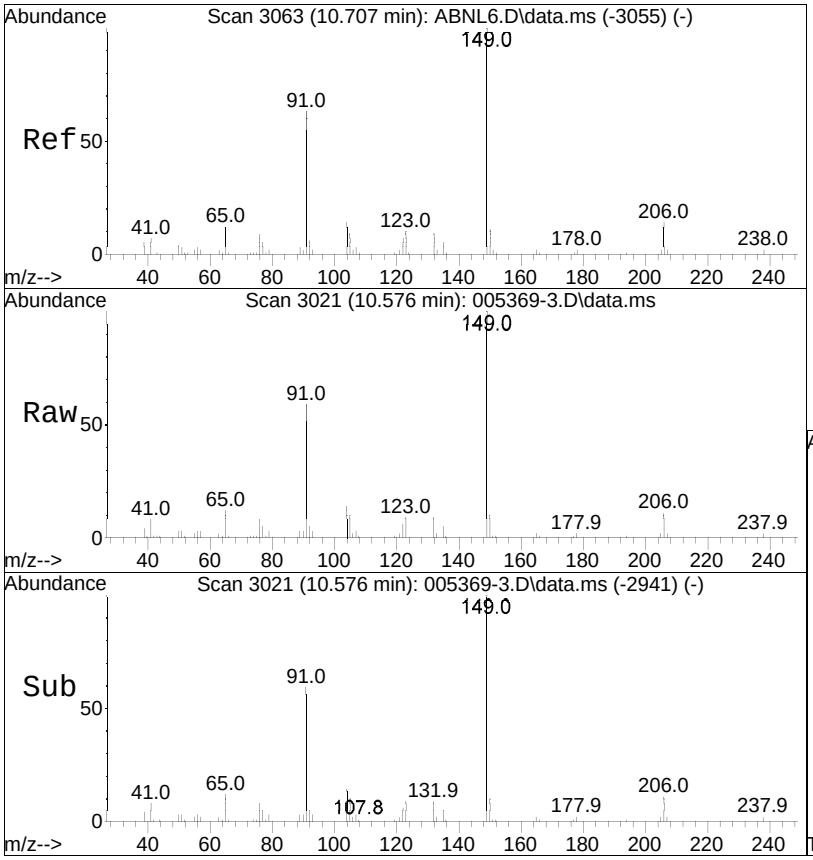


#97
Pyrene
Concen: 1.91 ug/ml
RT: 9.855 min Scan# 2789
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:202 Resp: 81496

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.7	25.1
203	17.5	14.2	21.4

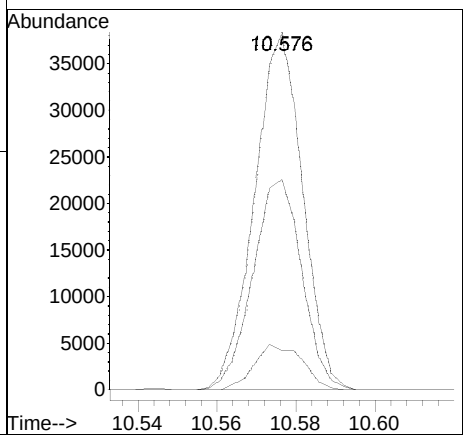


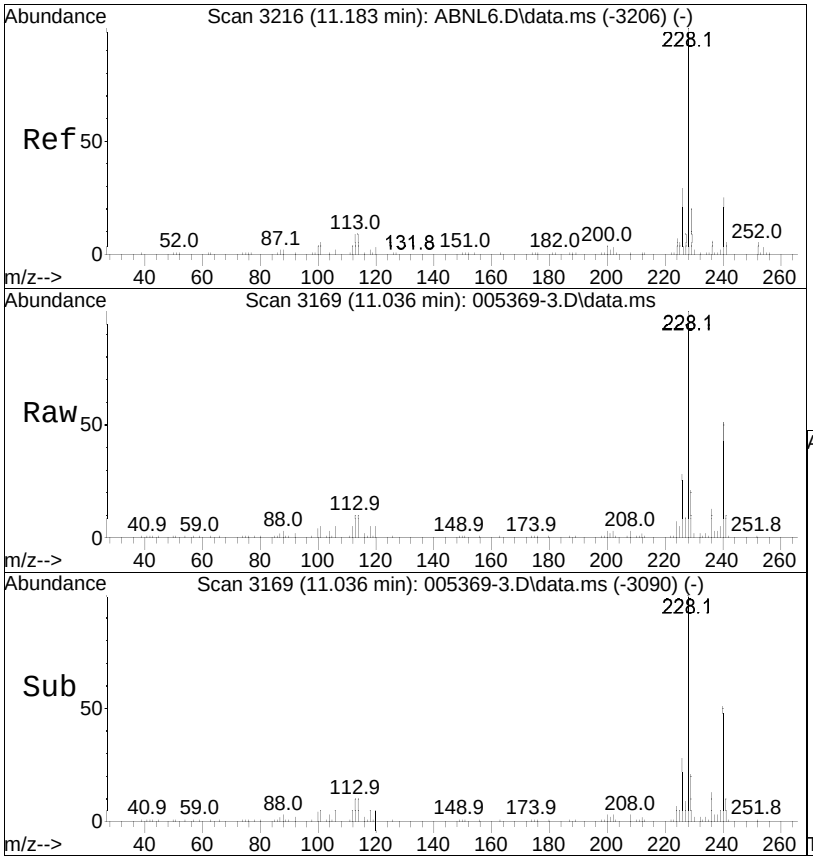


#99
Butyl benzyl phthalate
Concen: 2.22 ug/ml
RT: 10.576 min Scan# 3021
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:149 Resp: 32175

Ion	Ratio	Lower	Upper
149	100		
91	60.0	63.3	94.9#
206	12.7	13.9	20.9#

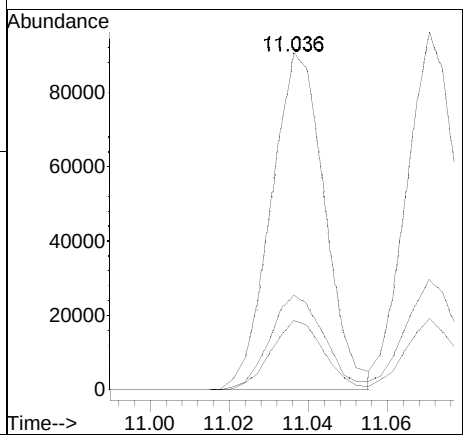


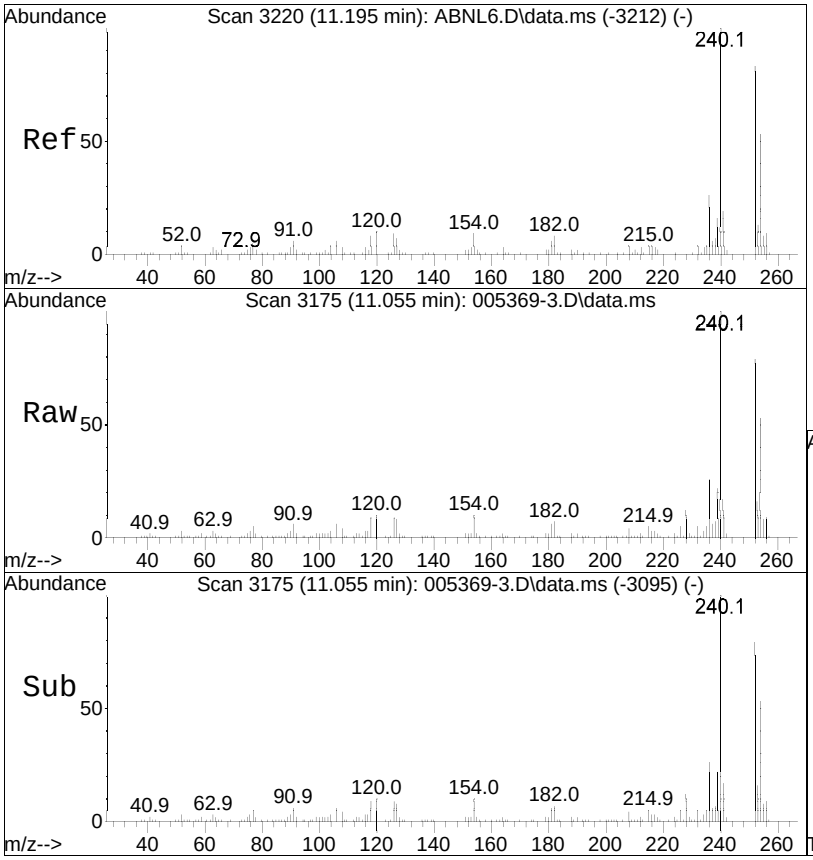


#107
Benzo(a)anthracene
Concen: 1.83 ug/ml
RT: 11.036 min Scan# 3169
Delta R.T. -0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:228 Resp: 85360

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.2	33.4
229	20.4	15.6	23.4

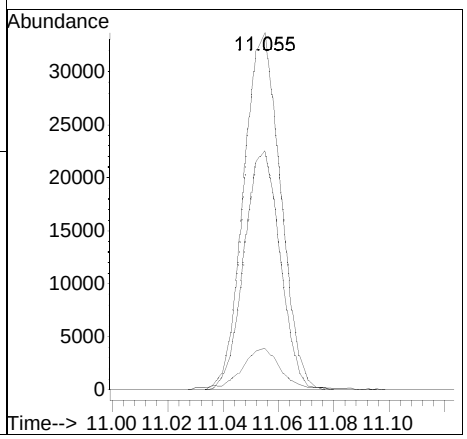


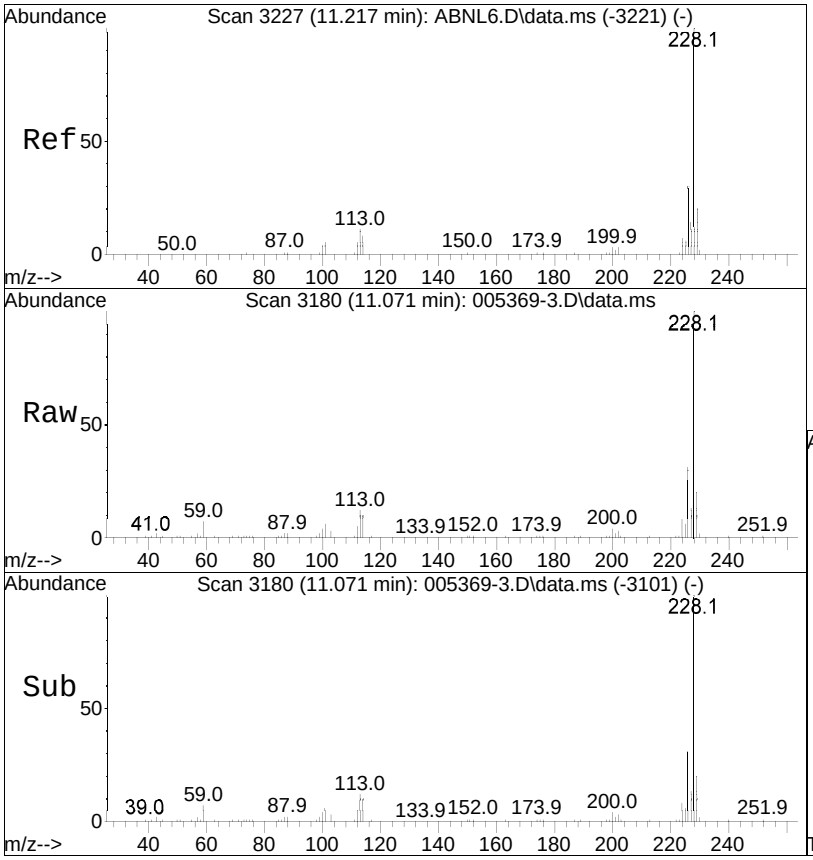


#108
3,3'-Dichlorobenzidine
Concen: 1.80 ug/ml
RT: 11.055 min Scan# 3175
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:252 Resp: 31191

Ion	Ratio	Lower	Upper
252	100		
126	12.8	14.5	21.7#
254	65.3	51.2	76.8

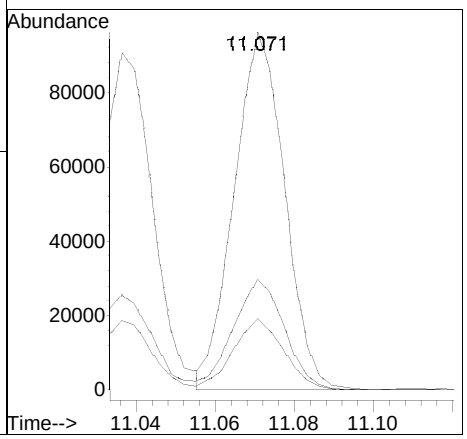


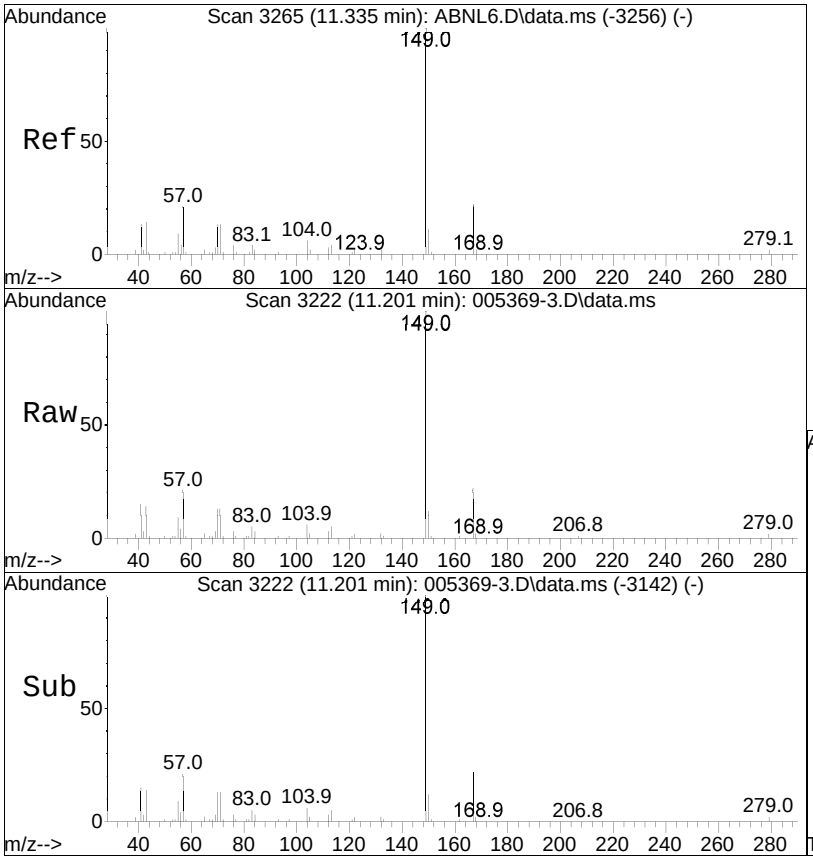


#109
Chrysene
Concen: 1.83 ug/ml
RT: 11.071 min Scan# 3180
Delta R.T. -0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:228 Resp: 84713

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.0	36.0
229	19.9	15.8	23.8

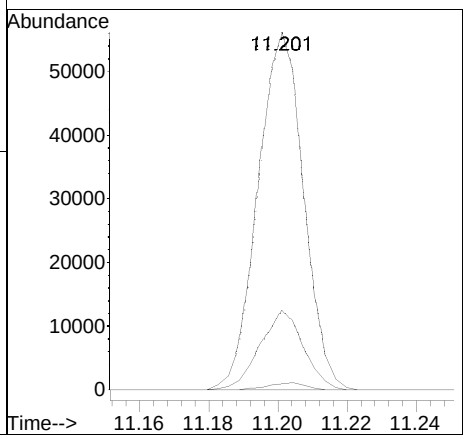


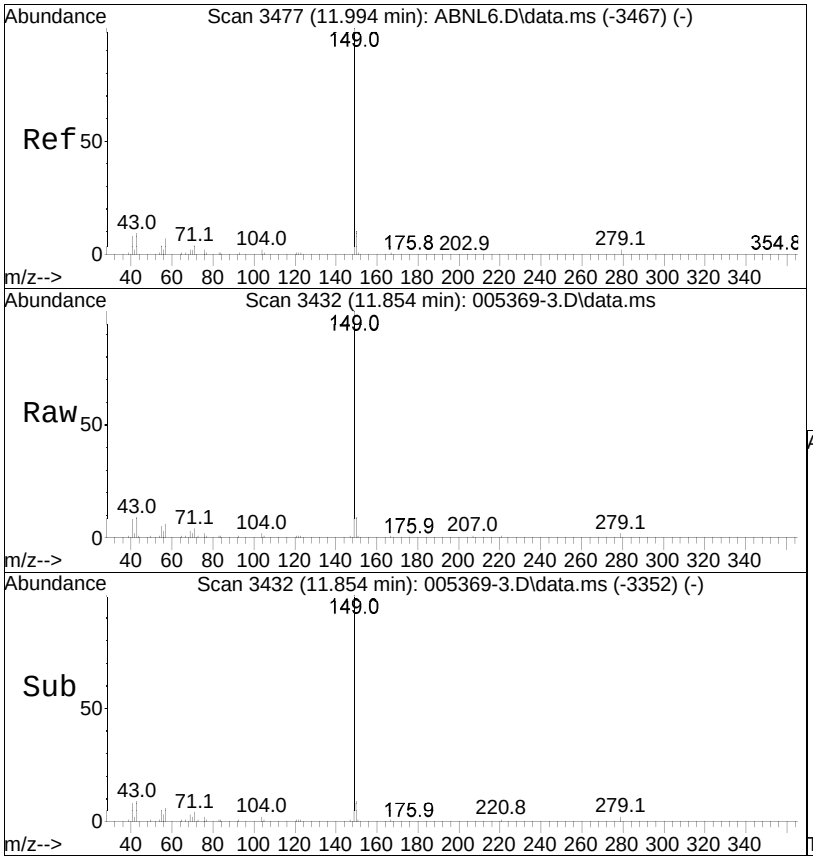


#110
Bis(2-ethylhexyl)phthalate
Concen: 2.04 ug/ml
RT: 11.201 min Scan# 3222
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:149 Resp: 50953

Ion	Ratio	Lower	Upper
149	100		
167	21.2	22.1	33.1#
279	1.6	3.0	4.4#

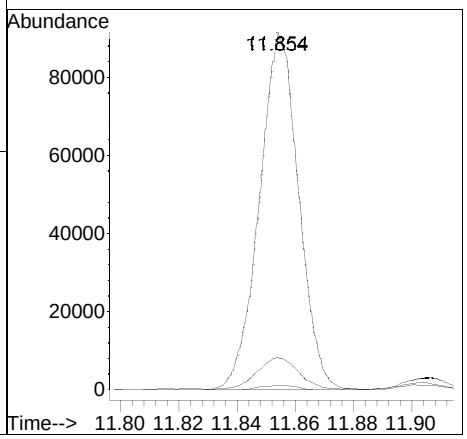


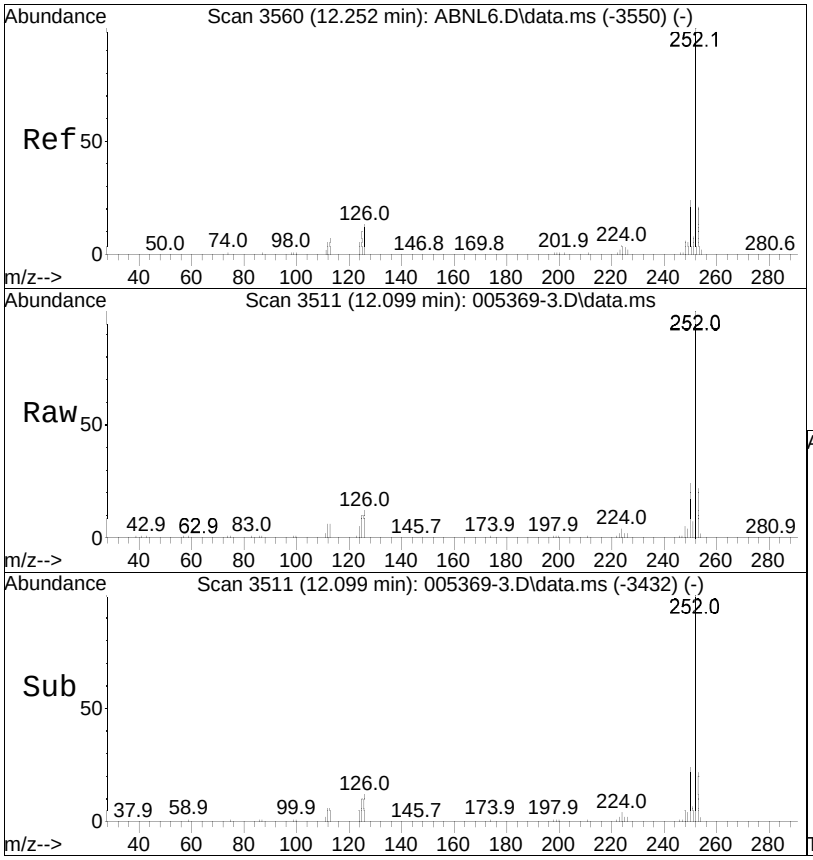


#111
Di-n-octylphthalate
Concen: 2.03 ug/ml
RT: 11.854 min Scan# 3432
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:149 Resp: 84561

Ion	Ratio	Lower	Upper
149	100		
43	9.3	18.8	28.2#
167	1.1	1.3	1.9#

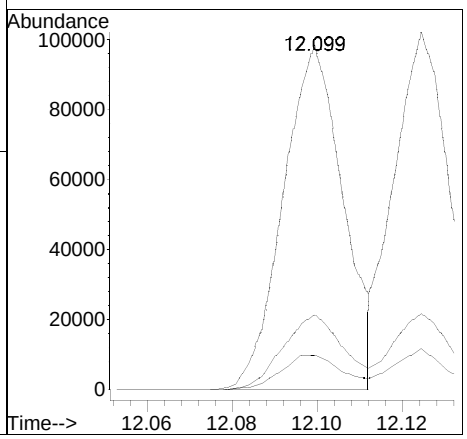


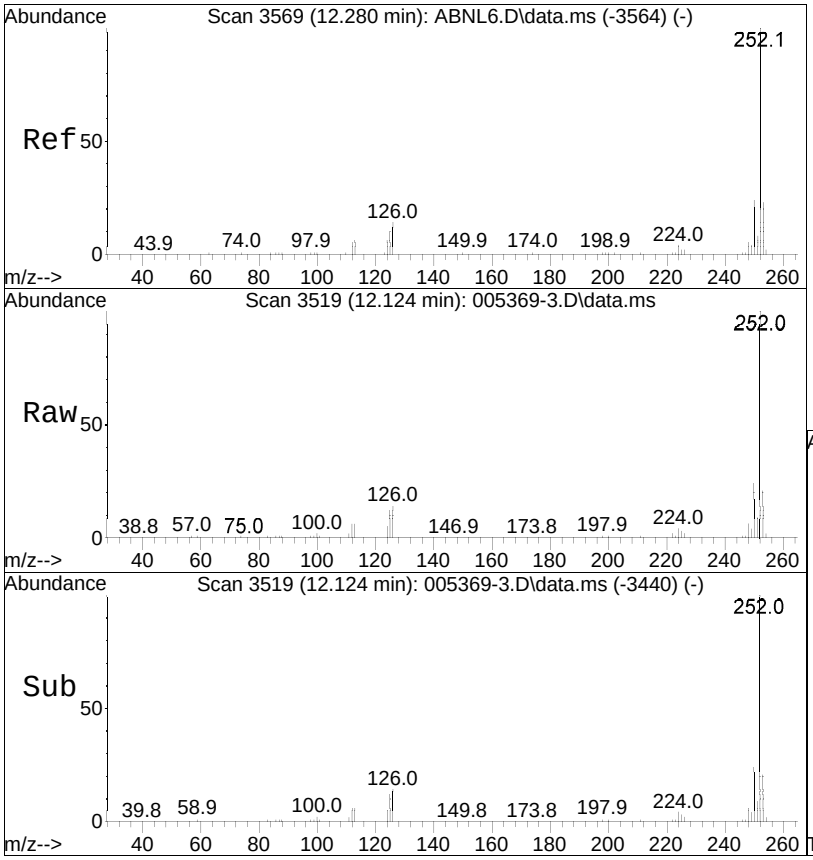


#112
Benzo(b)fluoranthene
Concen: 1.99 ug/ml
RT: 12.099 min Scan# 3511
Delta R.T. -0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:252 Resp: 97042

Ion	Ratio	Lower	Upper
252	100		
125	10.6	13.3	19.9#
253	22.1	17.1	25.7

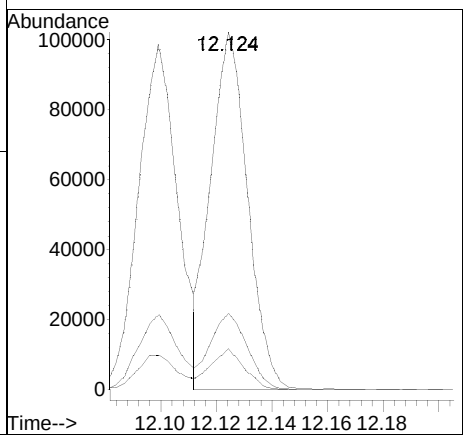


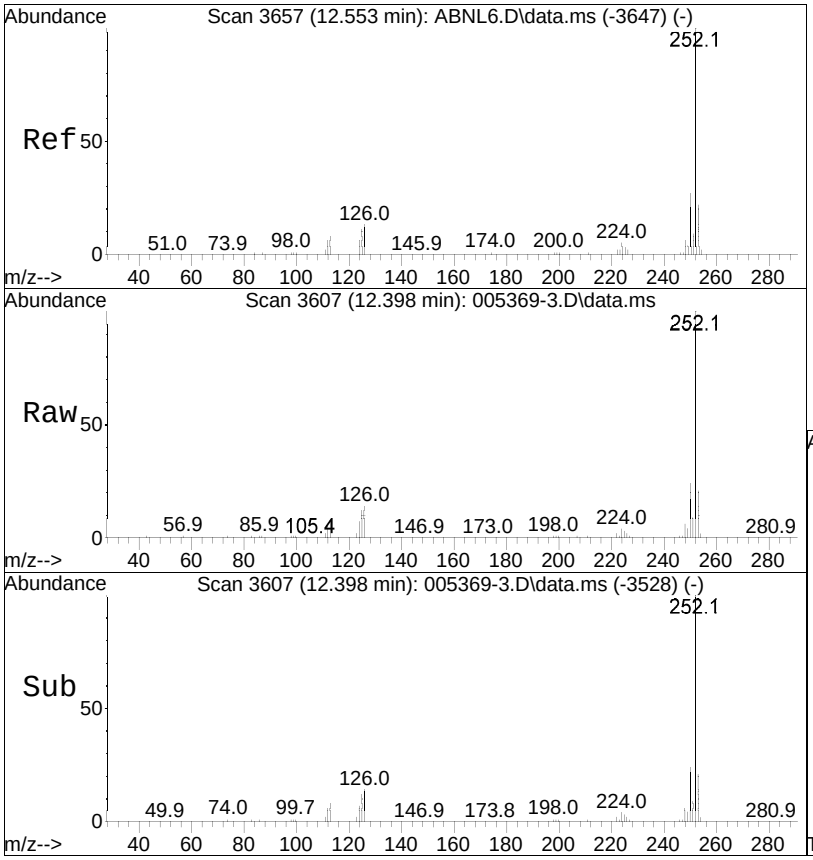


#113
Benzo(k)fluoranthene
Concen: 1.98 ug/ml M3
RT: 12.124 min Scan# 3519
Delta R.T. -0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:252 Resp: 94150

Ion	Ratio	Lower	Upper
252	100		
125	15.1	13.0	19.6
253	21.3	16.8	25.2

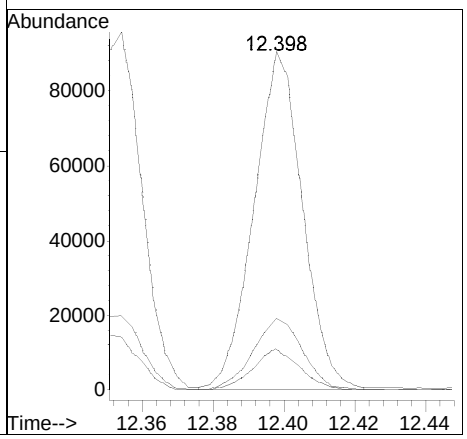


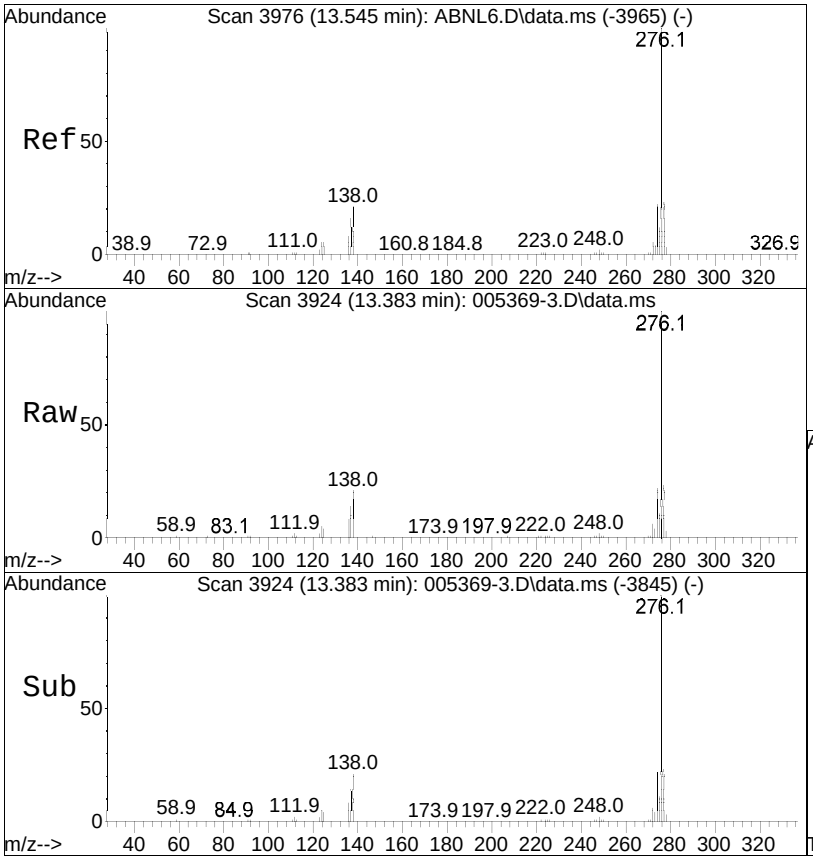


#114
Benzo(a)pyrene
Concen: 1.98 ug/ml M3
RT: 12.398 min Scan# 3607
Delta R.T. -0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:252 Resp: 86352

Ion	Ratio	Lower	Upper
252	100		
125	16.7	14.2	21.2
253	23.9	16.9	25.3

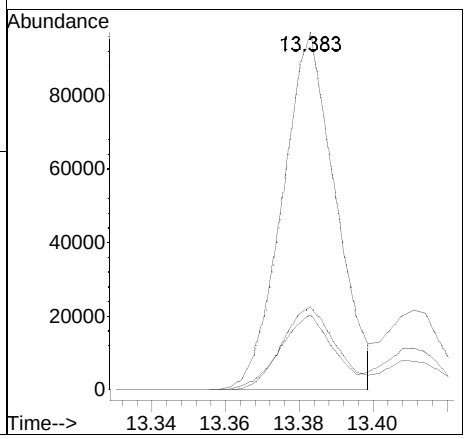


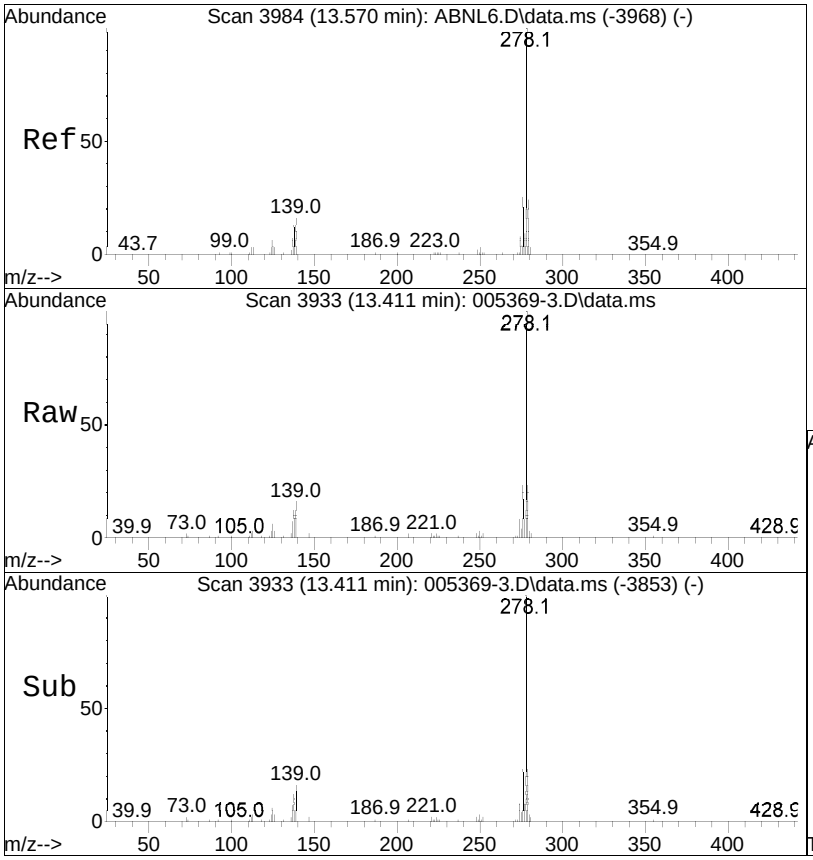


#116
Indeno(1,2,3-cd)pyrene
Concen: 1.85 ug/mL
RT: 13.383 min Scan# 3924
Delta R.T. -0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:276 Resp: 96802

Ion	Ratio	Lower	Upper
276	100		
138	21.2	25.1	37.7#
277	23.9	18.6	28.0

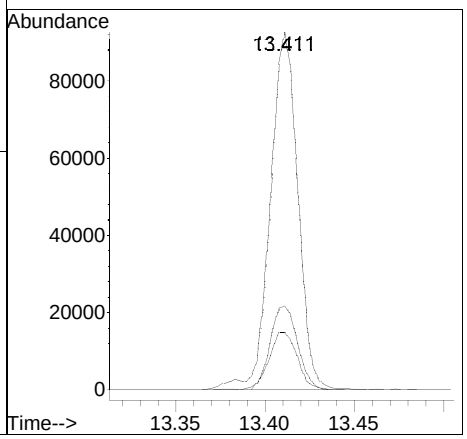


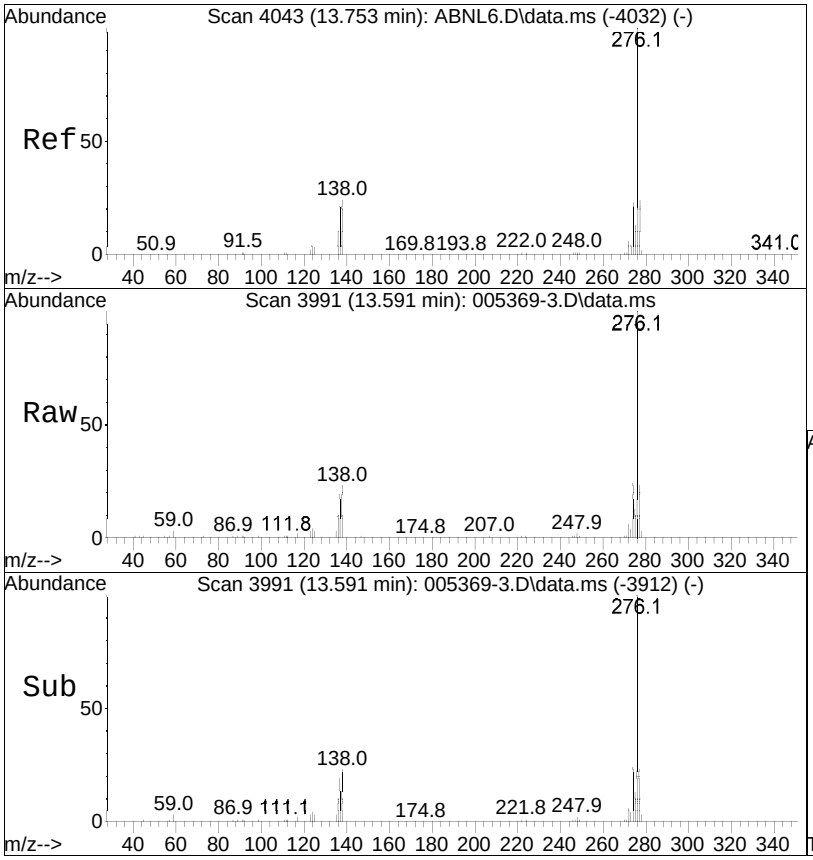


#117
Dibenzo(a,h)anthracene
Concen: 1.92 ug/ml
RT: 13.411 min Scan# 3933
Delta R.T. 0.000 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:278 Resp: 98549

Ion	Ratio	Lower	Upper
278	100		
139	16.4	20.8	31.2#
279	23.6	18.3	27.5

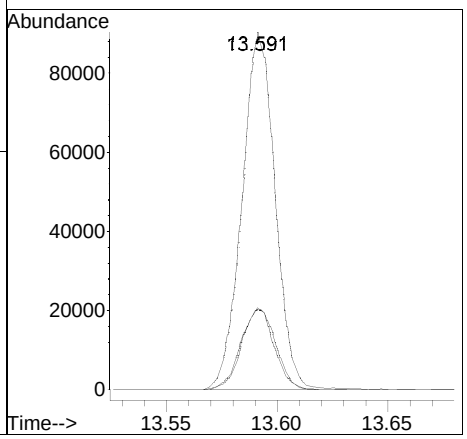




#118
Benzo(ghi)perylene
Concen: 1.84 ug/ml
RT: 13.591 min Scan# 3991
Delta R.T. -0.003 min
Lab File: 005369-3.D
Acq: 5 Dec 2024 12:19 pm

Tgt Ion:276 Resp: 93142

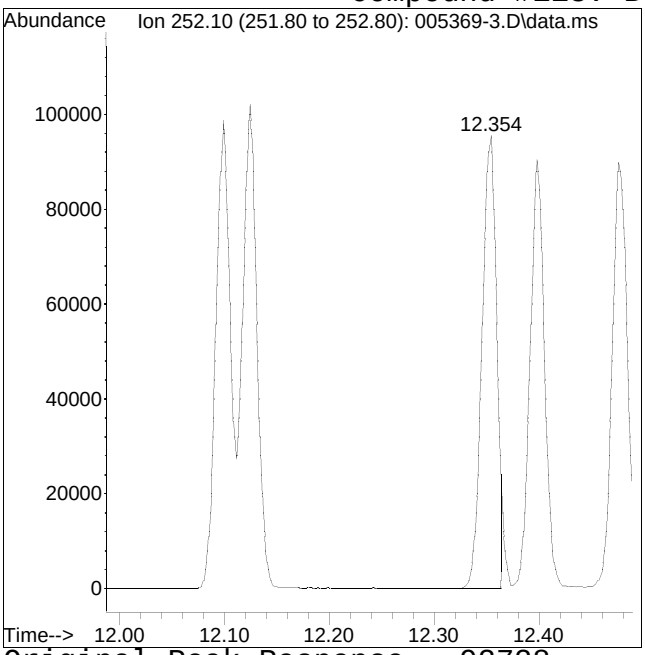
Ion	Ratio	Lower	Upper
276	100		
138	23.1	29.2	43.8#
277	23.4	18.8	28.2

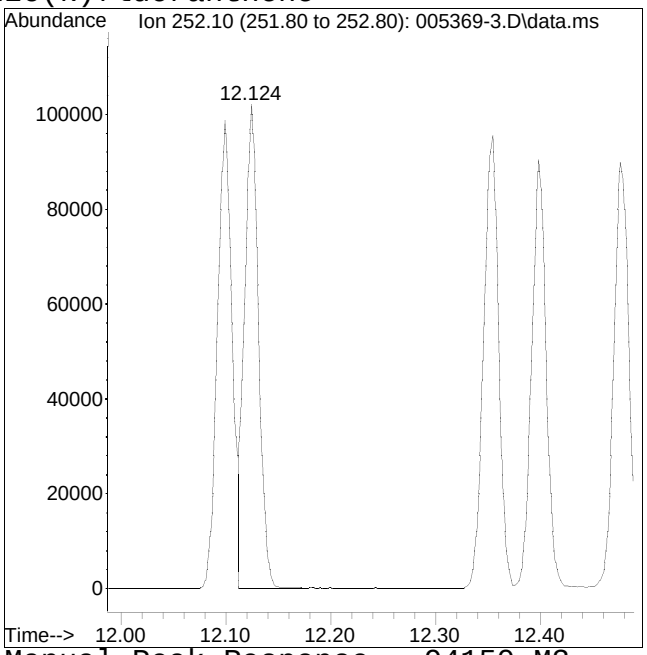


Manual Integration Report

Data Path : I:\8270\Dakota\241205RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 005369-3.D Operator : Dakota:ek
Date Inj'd : 12/5/2024 12:19 pm Instrument : Dakota
Sample : WG2005369-3,32,,HNY Quant Date : 12/5/2024 12:37 pm

Compound #113: Benzo(k)fluoranthene



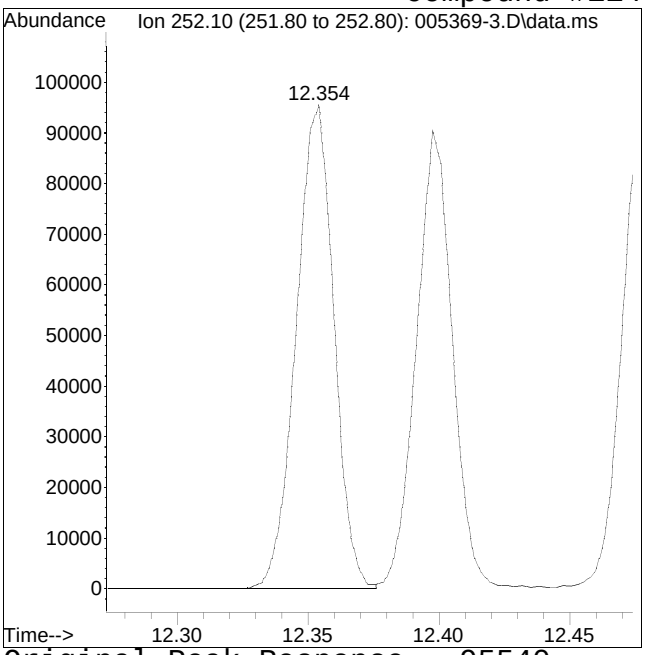


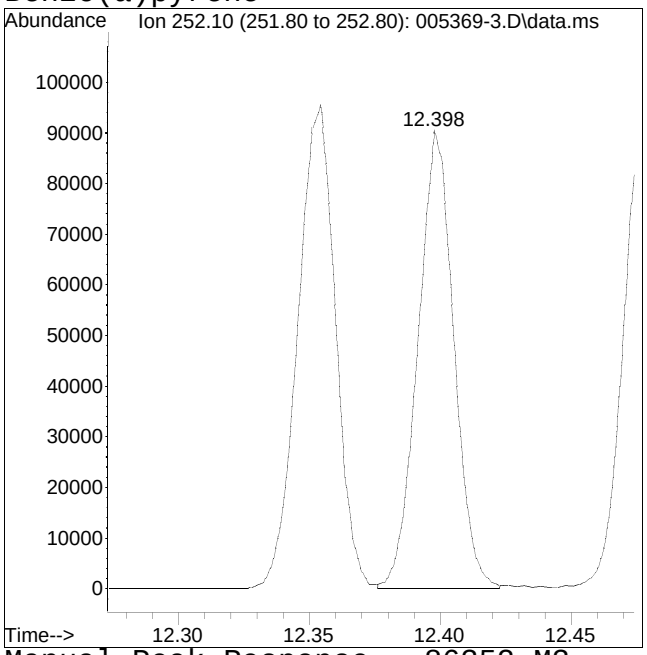
Original Peak Response = 92728 Manual Peak Response = 94150 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241205RVT\ QMethod : FS241105RVT_Dakota.m
Data File : 005369-3.D Operator : Dakota:ek
Date Inj'd : 12/5/2024 12:19 pm Instrument : Dakota
Sample : WG2005369-3,32,,HNY Quant Date : 12/5/2024 12:37 pm

Compound #114: Benzo(a)pyrene





Original Peak Response = 95540 Manual Peak Response = 86352 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\241205RVT\
Data File : 005369-4.D
Acq On : 5 Dec 2024 2:33 pm
Operator : Dakota:ek
Sample : WG2005369-4,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 06 19:55:03 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	22157	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 90.07%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	22157	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 88.66%				
37) IS1_Naphthalene-d8	5.392	136	84528	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 87.87%				
57) IS2_Naphthalene-d8	5.392	136	84528	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 88.37%				
65) IS1_Acenaphthene-d10	7.080	164	55138	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 88.84%				
85) IS2_Acenaphthene-d10	7.080	164	55138	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 89.11%				
88) IS3_Acenaphthene-d10	7.080	164	55138	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 105.19%				
90) IS1_Phenanthrene-d10	8.491	188	117557	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 86.24%				
102) IS3_Phenanthrene-d10	8.491	188	117557	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 99.38%				
106) IS1_Chrysene-d12	11.046	240	140301	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 85.09%				
115) IS1_Perylene-d12	12.454	264	168018	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 85.50%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.859	112	6053	1.063	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 53.15%				
7) Phenol-d6	3.872	99	5565	0.763	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 38.15%				
19) Nitrobenzene-d5	4.708	82	5508	0.832	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 83.20%				
48) 2-Fluorobiphenyl	6.467	172	15275	0.730	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.00%				
81) 2,4,6-Tribromophenol	7.838	330	7164	1.818	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 90.90%				
98) 4-Terphenyl-d14	10.057	244	29091	0.855	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 85.50%				

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-4.D
Acq On : 5 Dec 2024 2:33 pm
Operator : Dakota:ek
Sample : WG2005369-4,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 06 19:55:03 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
6) 2-Chlorophenol	3.950	128	11241	1.657 ug/ml#	89
8) Phenol	3.885	94	6888	0.875 ug/ml	93
9) Bis(2-chloroethyl)ether	3.931	93	9884	1.754 ug/ml	96
10) 1,3-Dichlorobenzene	4.093	146	11194	1.282 ug/ml	94
11) 1,4-Dichlorobenzene	4.170	146	11921	1.337 ug/ml	96
12) 1,2-Dichlorobenzene	4.317	146	11233	1.322 ug/ml	94
13) Benzyl alcohol	4.329	79	8056	1.564 ug/ml	96
14) Bis(2-chloroisopropyl)...	4.469	45	17297	1.741 ug/ml#	67
15) 2-Methylphenol	4.472	108	9114	1.524 ug/ml	98
17) n-Nitrosodi-n-propylamine	4.599	70	8392	1.756 ug/ml#	78
18) 3-Methylphenol/4-Methy...	4.634	108	10025	1.531 ug/ml	94
20) Nitrobenzene	4.727	77	11110	1.641 ug/ml	98
21) Isophorone	4.969	82	21181	1.702 ug/ml	95
22) 2-Nitrophenol	5.041	139	6262	1.827 ug/ml	88
23) 2,4-Dimethylphenol	5.140	107	7316	1.200 ug/ml	99
24) Bis(2-chloroethoxy)met...	5.221	93	14525	1.873 ug/ml#	95
25) 2,4-Dichlorophenol	5.286	162	12554	1.764 ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.352	180	11303	1.312 ug/ml	96
29) Acetophenone	4.568	105	16655	2.142 ug/ml#	81
39) Benzoic Acid	5.212	105	4154	0.863 ug/ml	90
40) 4-Chloroaniline	5.501	65	3757	1.470 ug/ml	90
42) p-Chloro-m-cresol	6.014	107	11263	1.839 ug/ml	91
45) Hexachlorocyclopentadiene	6.262	237	2604	0.453 ug/ml#	89
46) 2,4,6-Trichlorophenol	6.387	196	10738	1.773 ug/ml	96
47) 2,4,5-Trichlorophenol	6.418	196	12282	1.814 ug/ml	99
50) 2-Nitroaniline	6.673	138	8387	1.819 ug/ml#	82
53) Dimethyl phthalate	6.881	163	37660	1.799 ug/ml#	97
55) 2,6-Dinitrotoluene	6.918	165	7239	1.852 ug/ml#	79
63) 1,2,4,5-Tetrachloroben...	6.259	216	13258	1.519 ug/ml	96
64) Biphenyl	6.551	154	33218	1.868 ug/ml	98
66) 3-Nitroaniline	7.070	138	7486	1.758 ug/ml#	86
68) 2,4-Dinitrophenol	7.173	184	4248	1.638 ug/ml#	84
69) Dibenzofuran	7.279	168	44294	1.602 ug/ml	97
70) 2,4-Dinitrotoluene	7.300	165	10550	1.977 ug/ml#	75
71) 4-Nitrophenol	7.282	65	4182	1.318 ug/ml#	1
74) Diethyl phthalate	7.565	149	39361	1.813 ug/ml	100

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-4.D
Acq On : 5 Dec 2024 2:33 pm
Operator : Dakota:ek
Sample : WG2005369-4,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 06 19:55:03 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	7.636	204	17323	1.587	ug/ml#	87
77)	4-Nitroaniline	7.648	138	7994	1.942	ug/ml#	80
78)	4,6-Dinitro-o-cresol	7.686	198	6586	2.042	ug/ml#	59
79)	NDPA/DPA	7.754	169	32024	1.738	ug/ml	91
82)	4-Bromophenyl phenyl e...	8.096	248	11719	1.630	ug/ml#	79
93)	Carbazole	8.736	167	62244	1.990	ug/ml	99
94)	Di-n-butylphthalate	9.147	149	77797	2.194	ug/ml	98
99)	Butyl benzyl phthalate	10.573	149	33910	2.232	ug/ml#	83
108)	3,3'-Dichlorobenzidine	11.055	252	31229	1.763	ug/ml#	96
110)	Bis(2-ethylhexyl)phtha...	11.201	149	54358	2.133	ug/ml#	89
111)	Di-n-octylphthalate	11.854	149	88705	2.087	ug/ml#	73

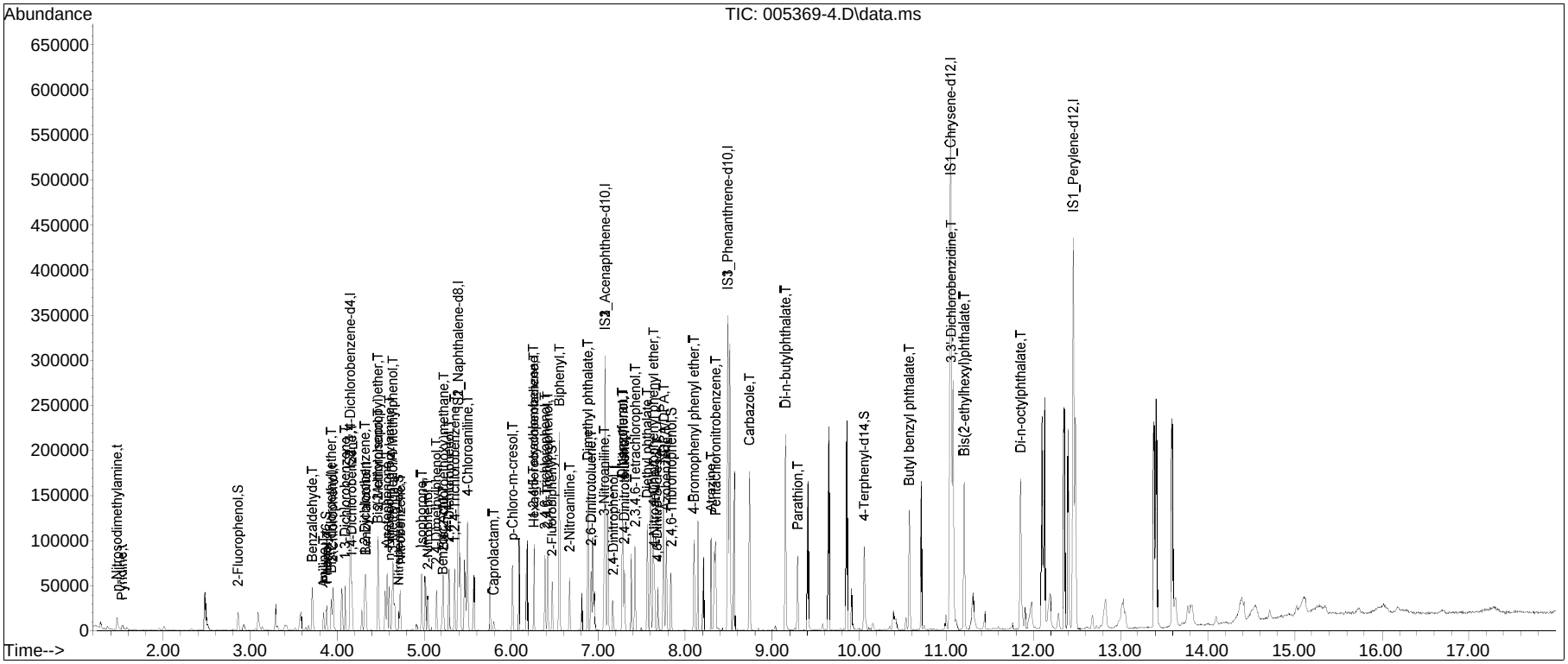
(#) = qualifier out of range (m) = manual integration (+) = signals summed

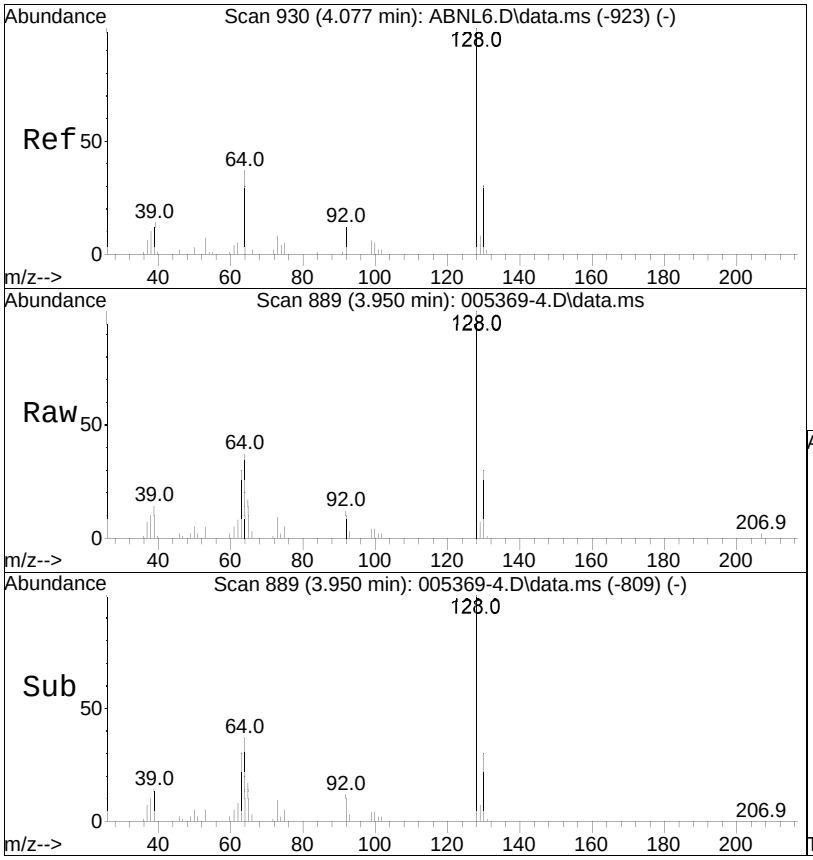
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-4.D
Acq On : 5 Dec 2024 2:33 pm
Operator : Dakota:ek
Sample : WG2005369-4,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 06 19:55:03 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91205.D•

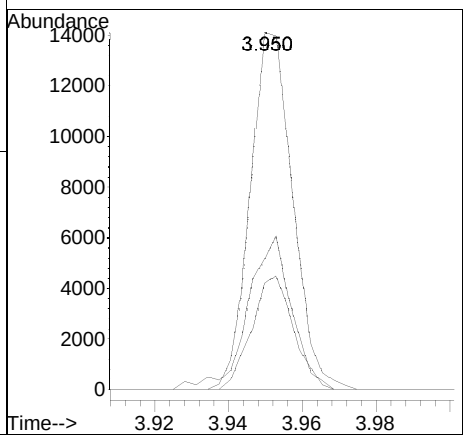


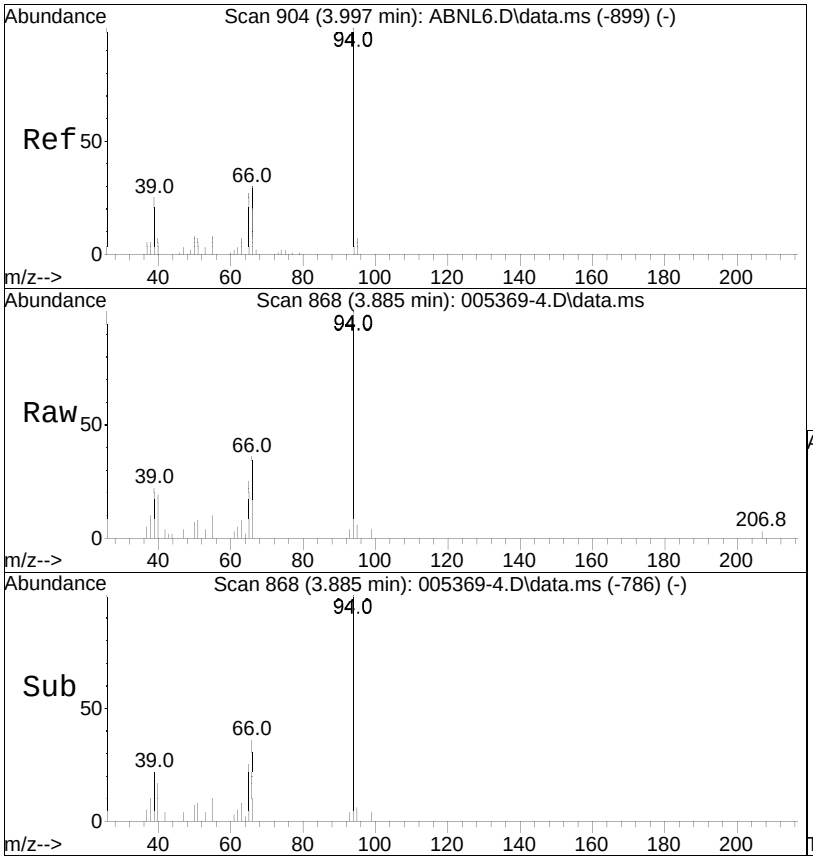


#6
2-Chlorophenol
Concen: 1.66 ug/ml
RT: 3.950 min Scan# 889
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:128 Resp: 11241

Ion	Ratio	Lower	Upper
128	100		
64	44.2	45.1	67.7#
130	31.4	26.2	39.4

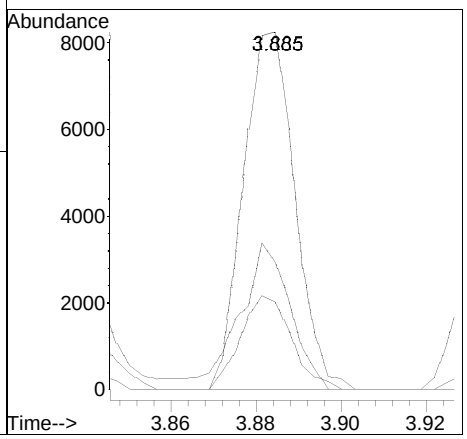


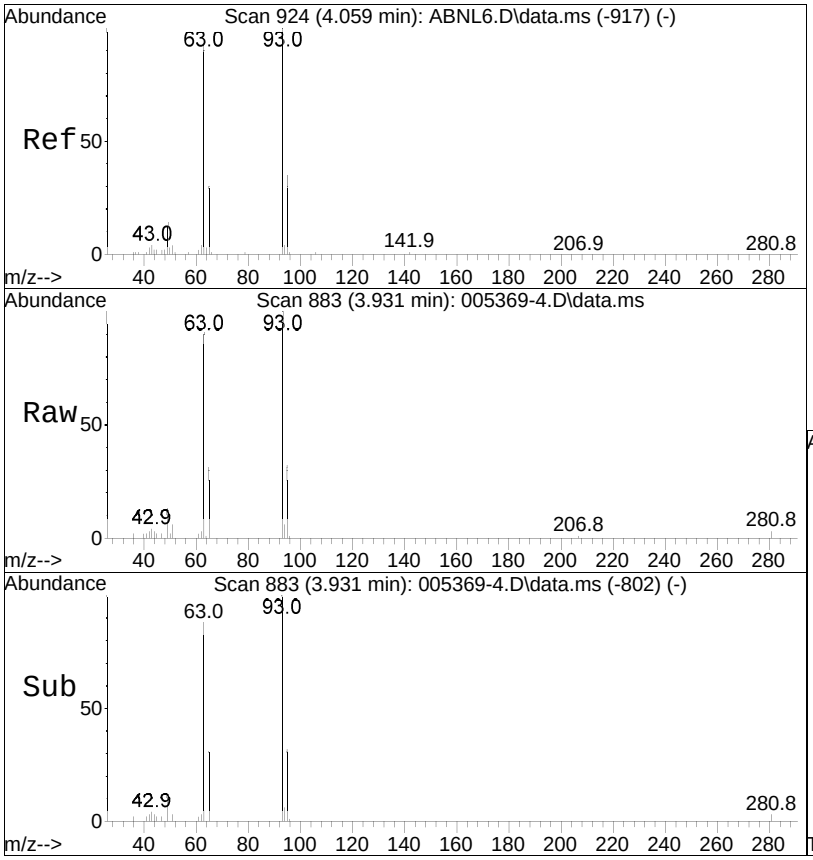


#8
Phenol
Concen: 0.88 ug/ml
RT: 3.885 min Scan# 868
Delta R.T. 0.006 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion: 94 Resp: 6888

Ion	Ratio	Lower	Upper
94	100		
65	26.1	26.0	39.0
66	40.5	33.8	50.8

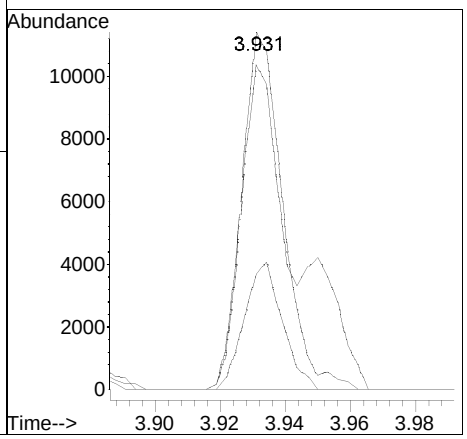


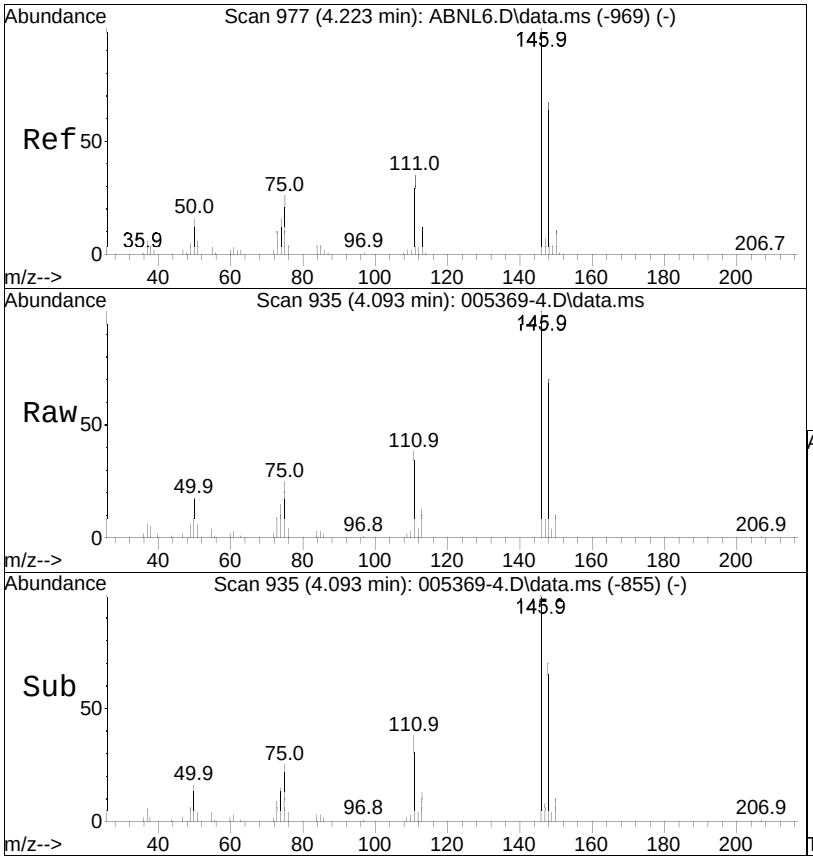


#9
Bis(2-chloroethyl)ether
Concen: 1.75 ug/ml
RT: 3.931 min Scan# 883
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion: 93 Resp: 9884

Ion	Ratio	Lower	Upper
93	100		
63	89.1	74.6	111.8
95	33.2	25.9	38.9

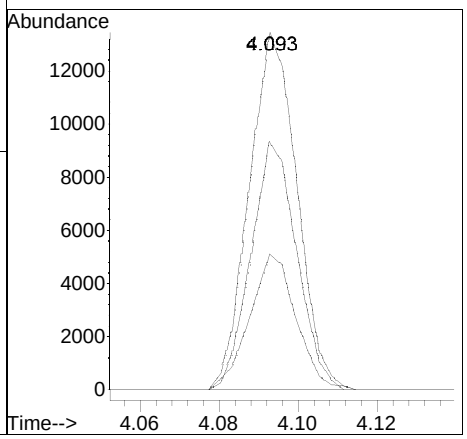


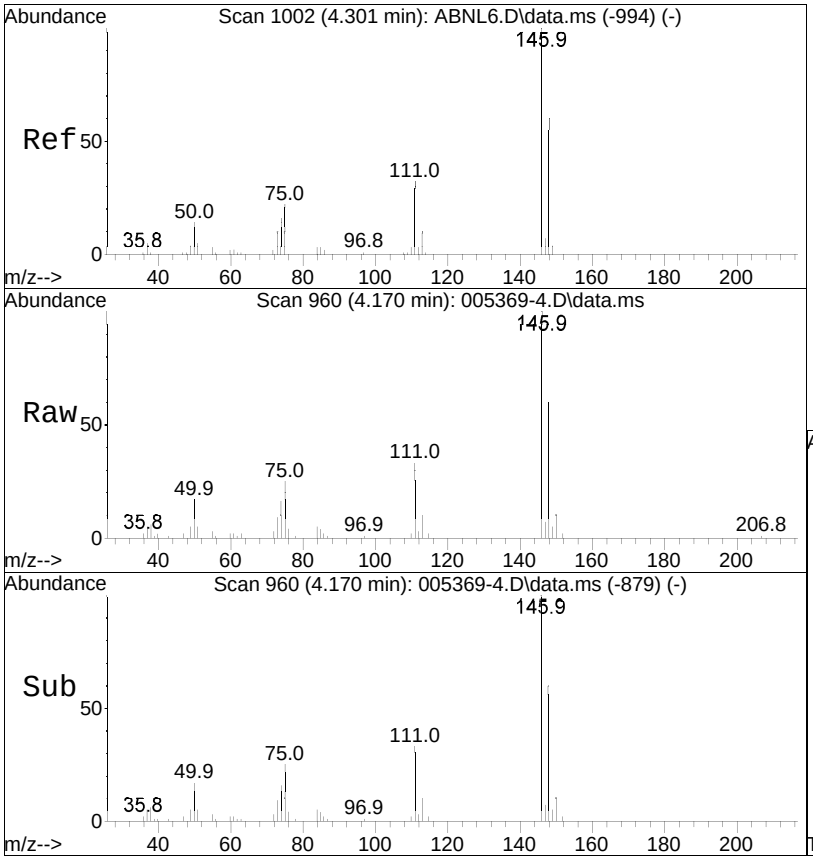


#10
1,3-Dichlorobenzene
Concen: 1.28 ug/ml
RT: 4.093 min Scan# 935
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:146 Resp: 11194

Ion	Ratio	Lower	Upper
146	100		
111	37.1	34.3	51.5
148	66.7	50.8	76.2

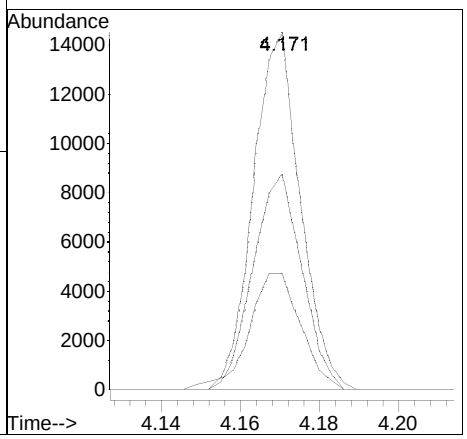


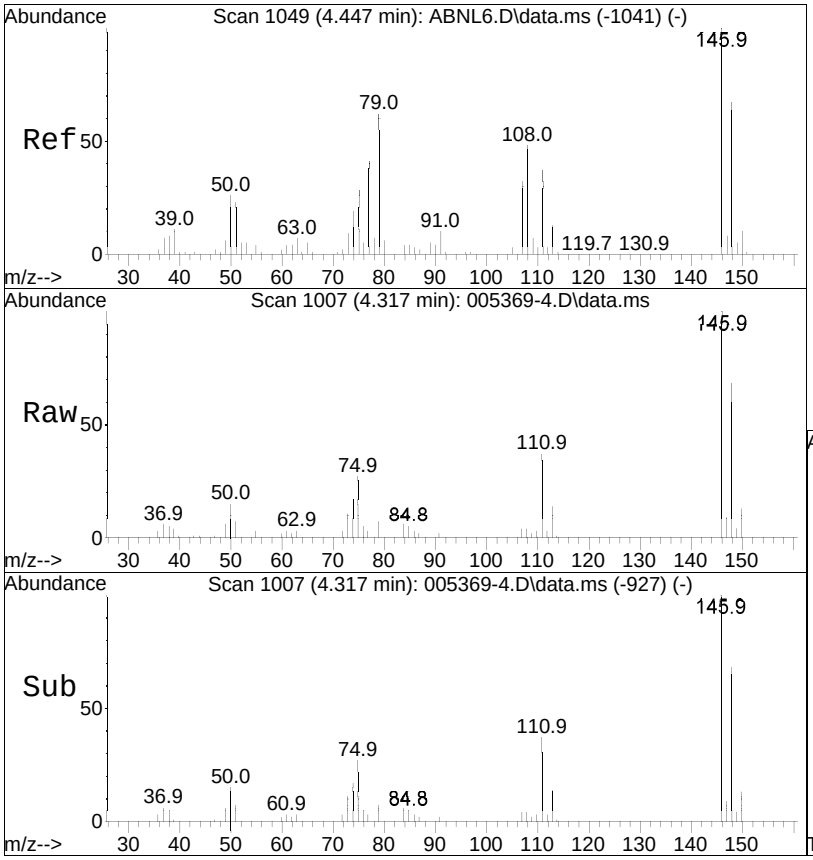


#11
1,4-Dichlorobenzene
Concen: 1.34 ug/ml
RT: 4.170 min Scan# 960
Delta R.T. 0.003 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:146 Resp: 11921

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.7	76.1
111	36.0	33.4	50.0

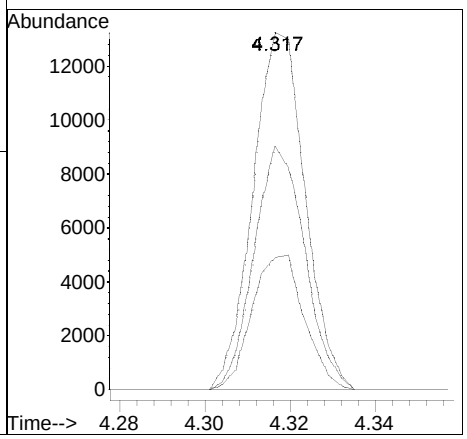


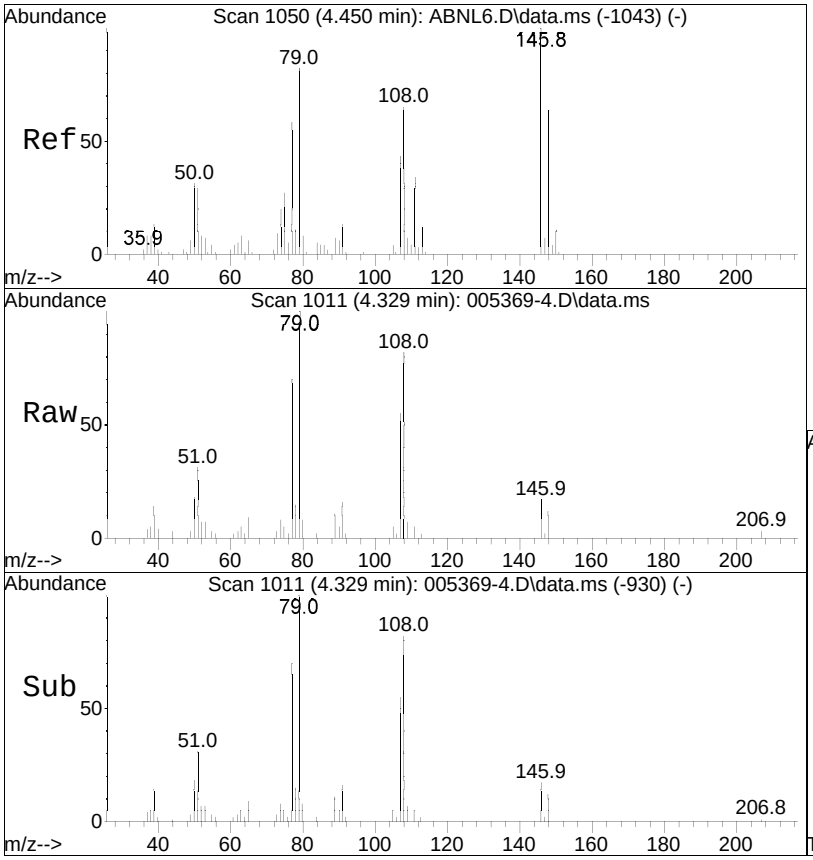


#12
1,2-Dichlorobenzene
Concen: 1.32 ug/ml
RT: 4.317 min Scan# 1007
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:146 Resp: 11233

Ion	Ratio	Lower	Upper
146	100		
111	37.8	34.6	52.0
148	66.4	50.2	75.4

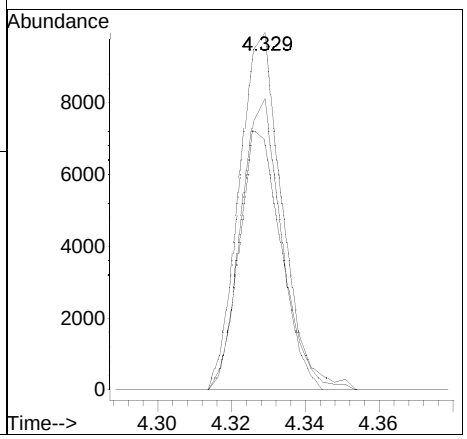


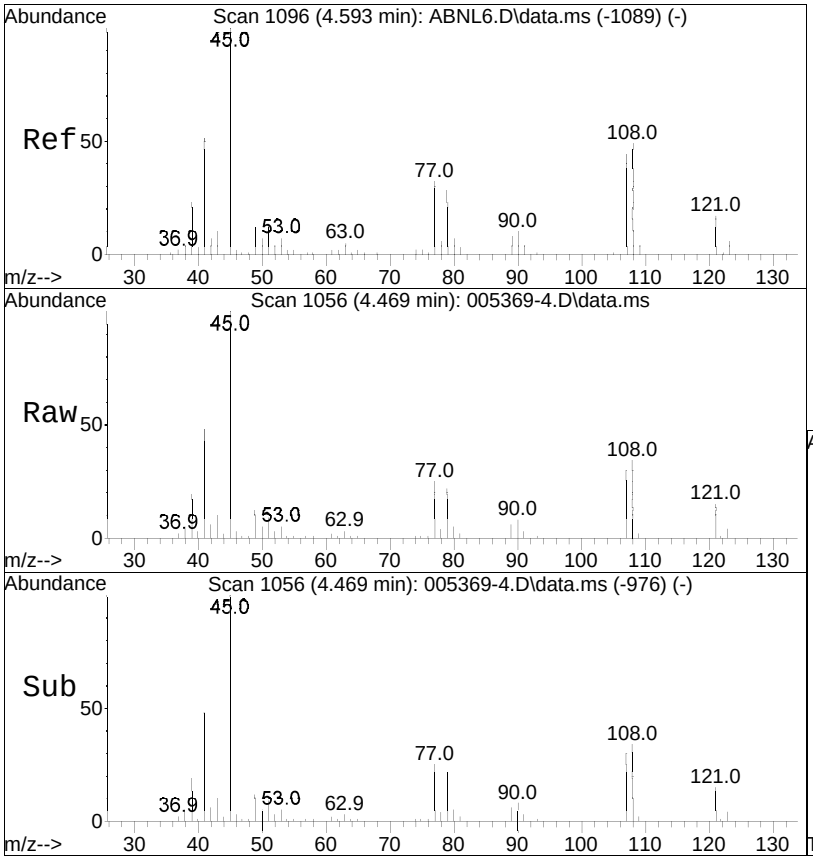


#13
Benzyl alcohol
Concen: 1.56 ug/ml
RT: 4.329 min Scan# 1011
Delta R.T. 0.003 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion: 79 Resp: 8056

Ion	Ratio	Lower	Upper
79	100		
77	72.6	54.9	82.3
108	76.0	63.1	94.7

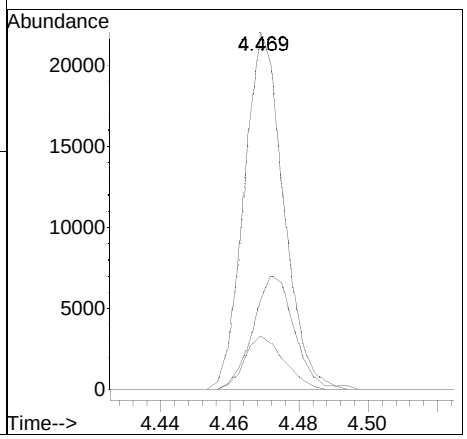


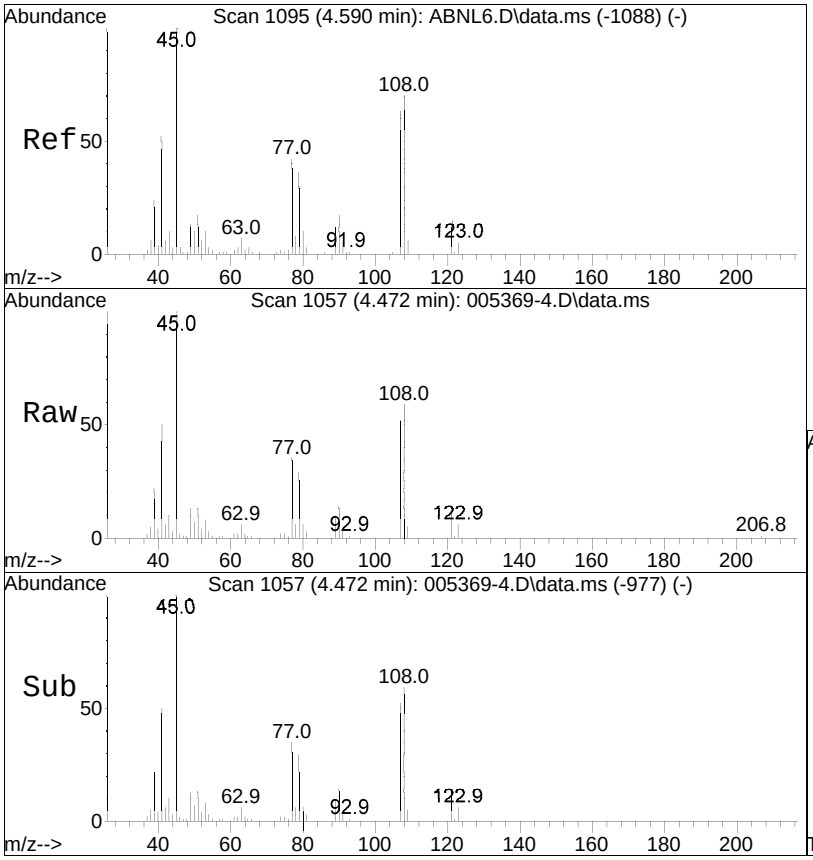


#14
Bis(2-chloroisopropyl)ether
Concen: 1.74 ug/ml
RT: 4.469 min Scan# 1056
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion: 45 Resp: 17297

Ion	Ratio	Lower	Upper
45	100		
121	15.0	9.8	14.6#
77	33.3	6.1	9.1#

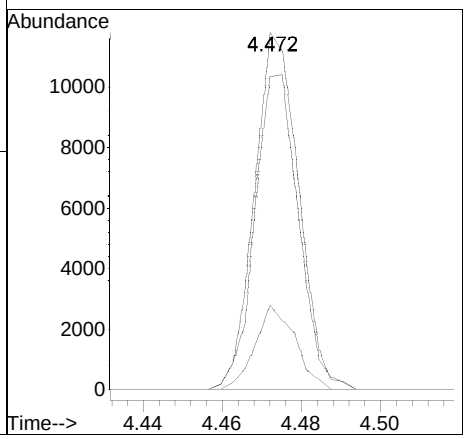


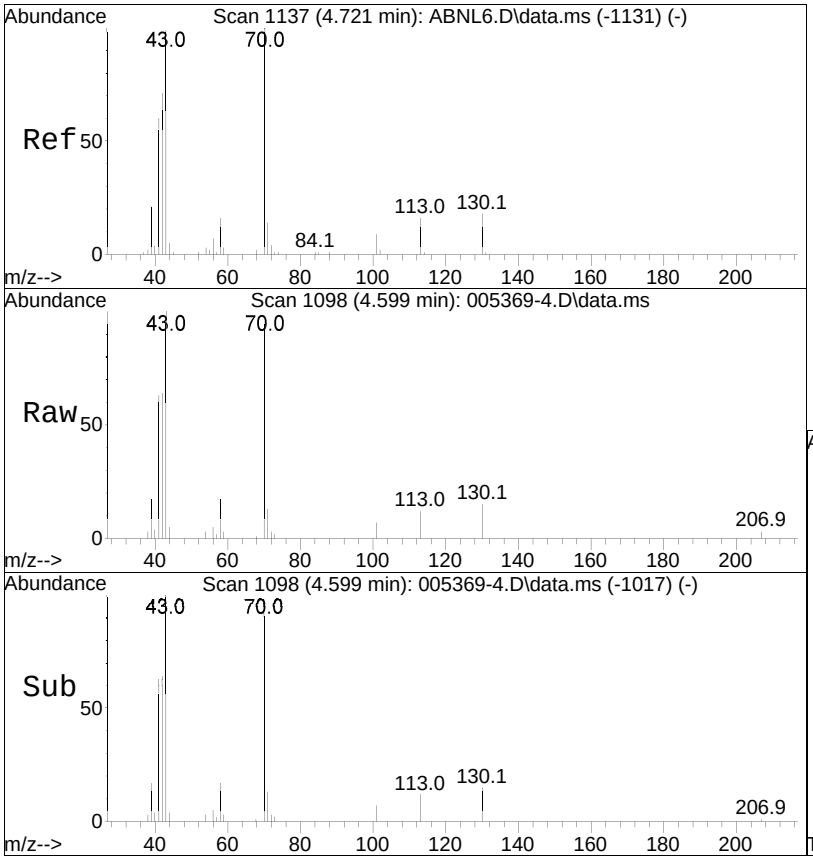


#15
2-Methylphenol
Concen: 1.52 ug/ml
RT: 4.472 min Scan# 1057
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:108 Resp: 9114

Ion	Ratio	Lower	Upper
108	100		
107	87.4	70.7	106.1
90	21.5	18.7	28.1

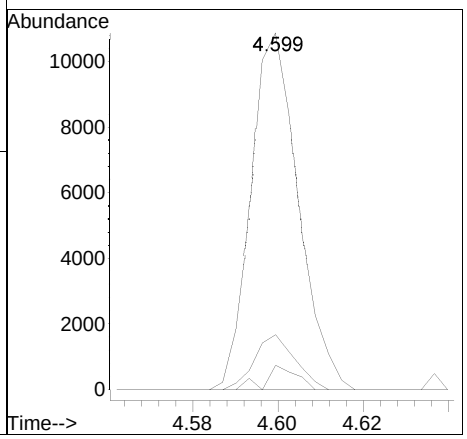


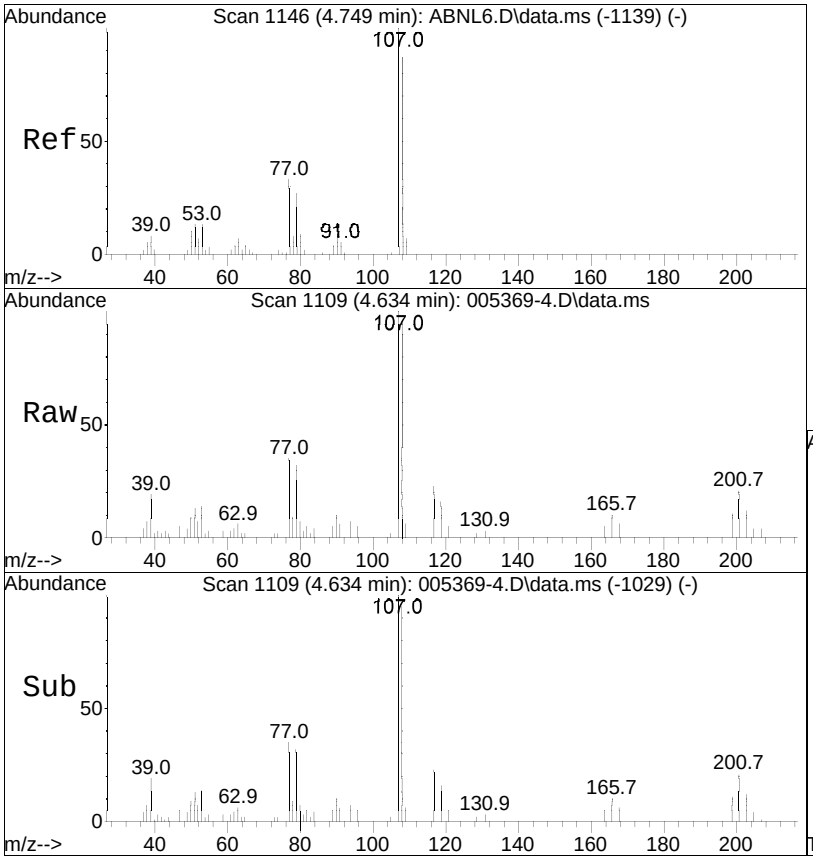


#17
n-Nitrosodi-n-propylamine
Concen: 1.76 ug/ml
RT: 4.599 min Scan# 1098
Delta R.T. 0.003 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion: 70 Resp: 8392

Ion	Ratio	Lower	Upper
70	100		
130	13.1	18.2	27.4#
101	0.0	7.8	11.8#

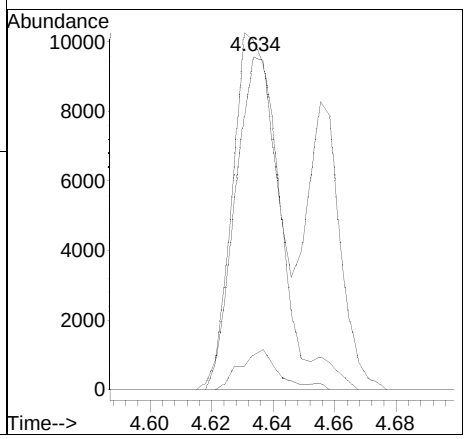


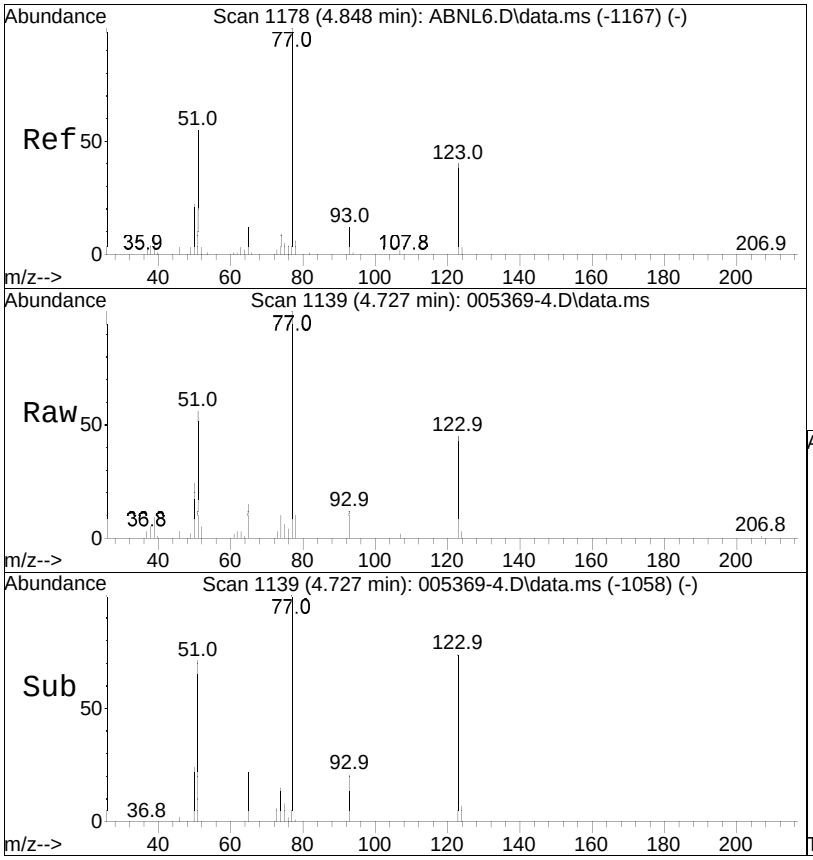


#18
3-Methylphenol/4-Methylphenol
Concen: 1.53 ug/ml
RT: 4.634 min Scan# 1109
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:108 Resp: 10025

Ion	Ratio	Lower	Upper
108	100		
107	103.8	88.6	132.8
90	10.3	8.8	13.2

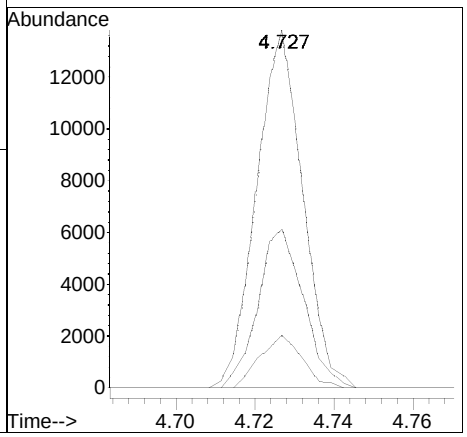


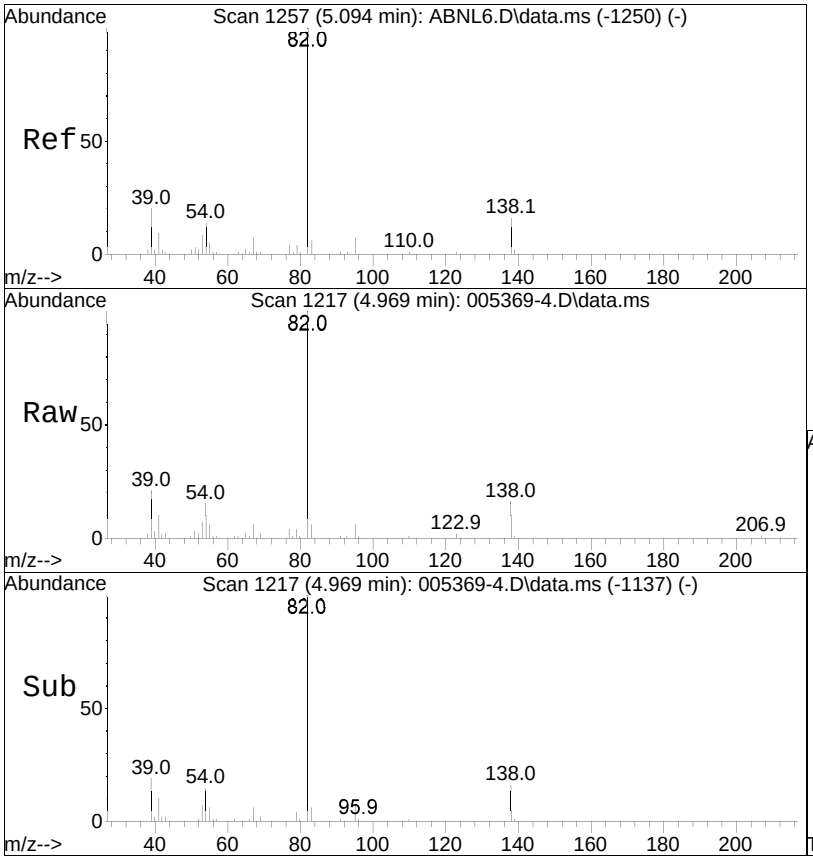


#20
Nitrobenzene
Concen: 1.64 ug/ml
RT: 4.727 min Scan# 1139
Delta R.T. 0.003 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion: 77 Resp: 11110

Ion	Ratio	Lower	Upper
77	100		
123	44.0	36.3	54.5
65	13.6	11.6	17.4

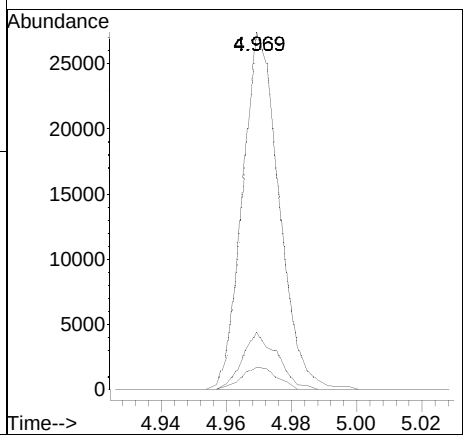


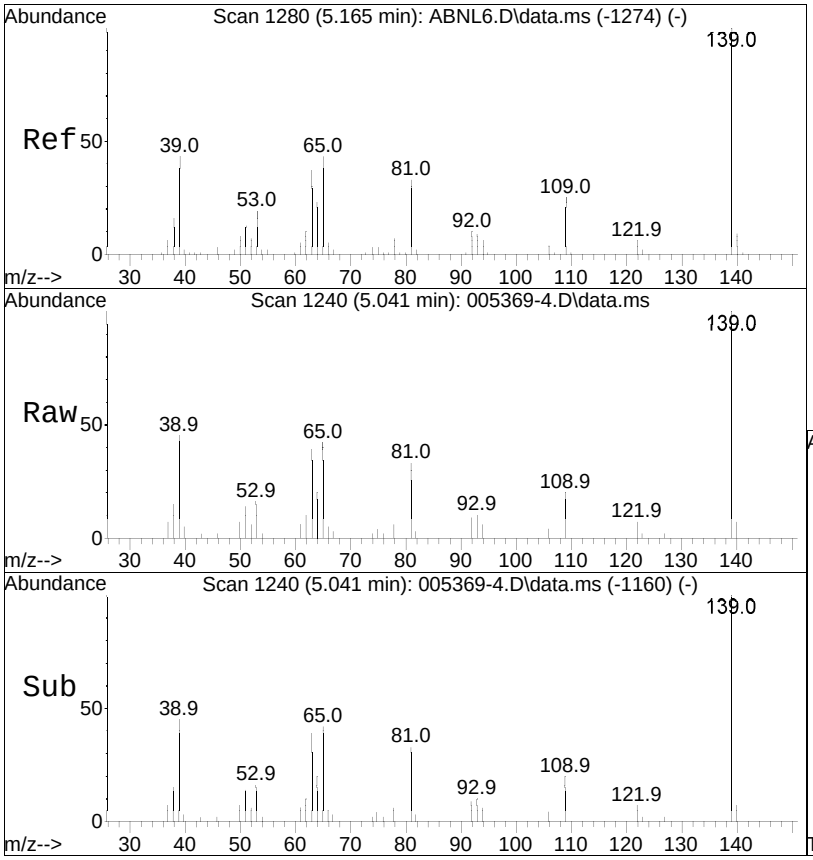


#21
Isophorone
Concen: 1.70 ug/ml
RT: 4.969 min Scan# 1217
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion: 82 Resp: 21181

Ion	Ratio	Lower	Upper
82	100		
138	15.3	14.7	22.1
95	6.1	5.2	7.8

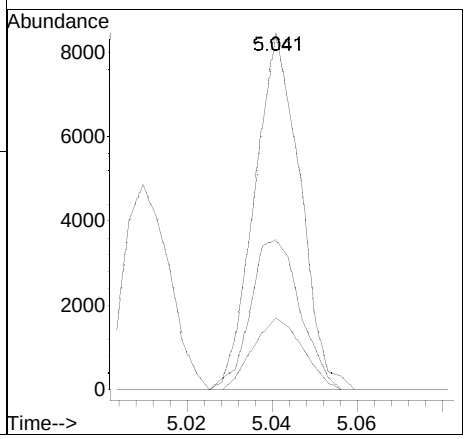


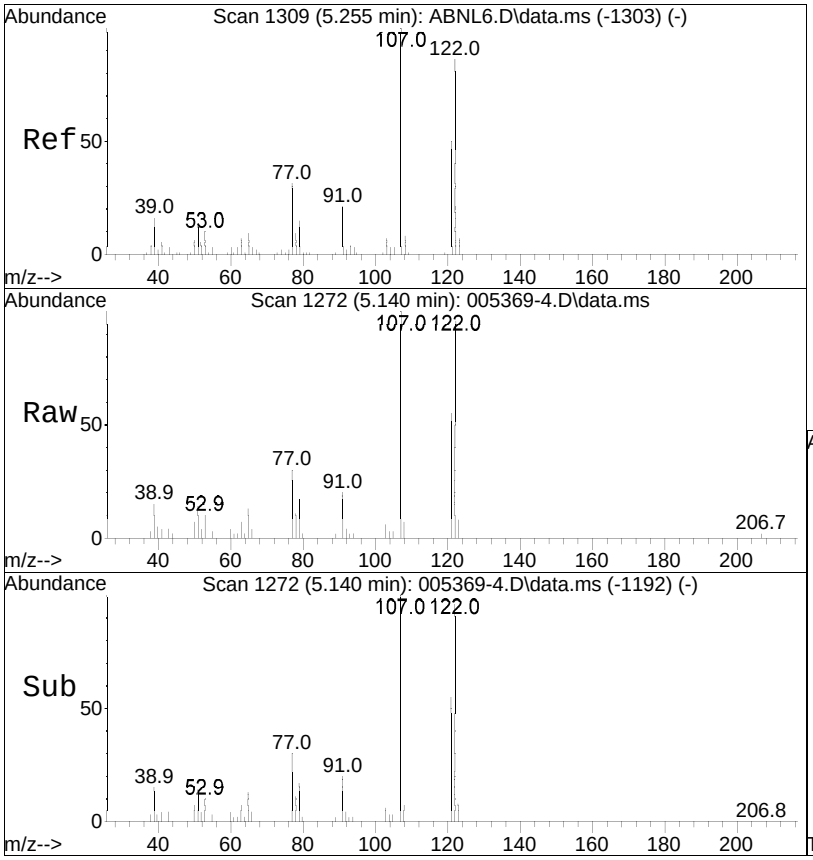


#22
2-Nitrophenol
Concen: 1.83 ug/ml
RT: 5.041 min Scan# 1240
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:139 Resp: 6262

Ion	Ratio	Lower	Upper
139	100		
109	22.1	19.4	29.0
65	46.3	46.1	69.1

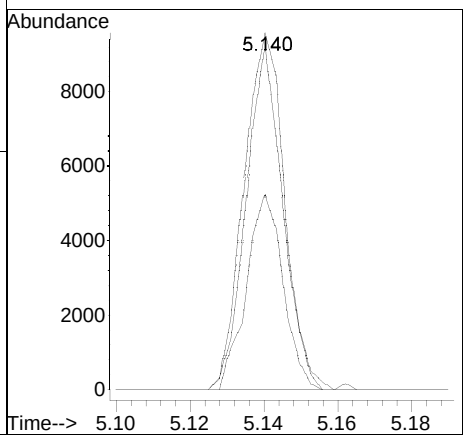


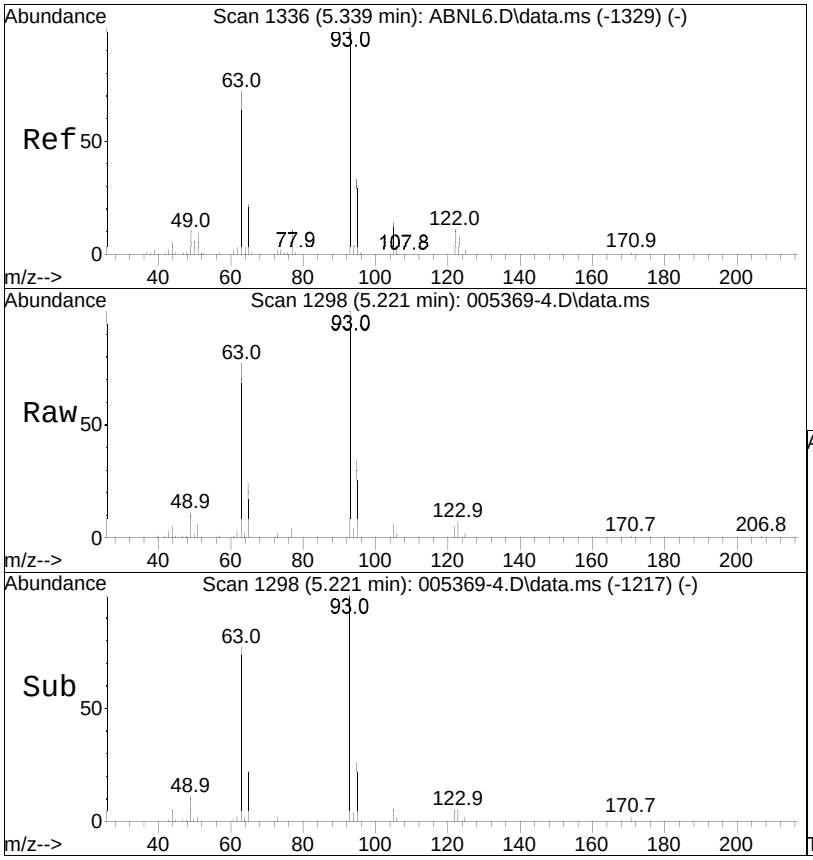


#23
2,4-Dimethylphenol
Concen: 1.20 ug/ml
RT: 5.140 min Scan# 1272
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:107 Resp: 7316

Ion	Ratio	Lower	Upper
107	100		
121	49.3	40.0	60.0
122	86.4	70.2	105.4

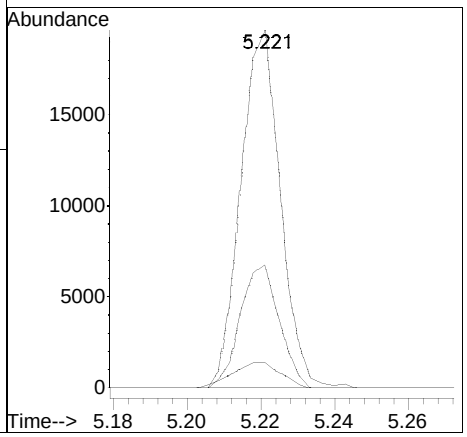


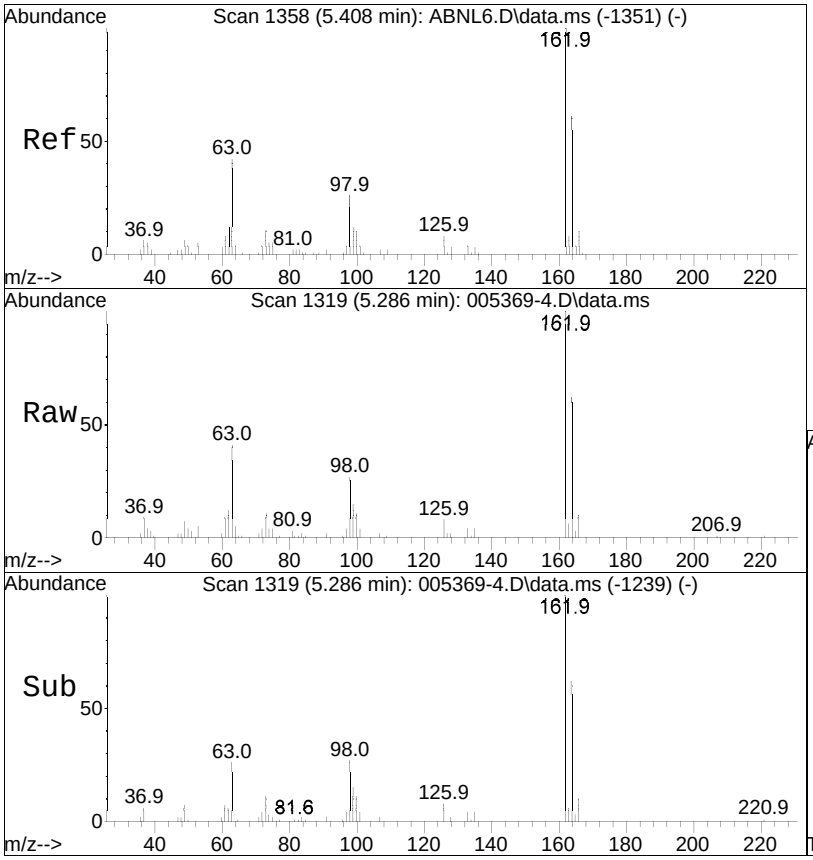


#24
Bis(2-chloroethoxy)methane
Concen: 1.87 ug/ml
RT: 5.221 min Scan# 1298
Delta R.T. 0.003 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion: 93 Resp: 14525

Ion	Ratio	Lower	Upper
93	100		
95	33.9	25.8	38.8
123	8.8	10.1	15.1#

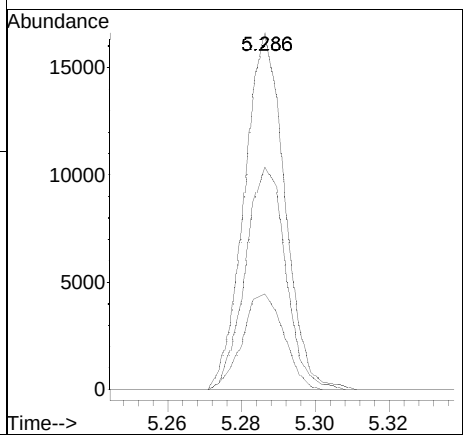


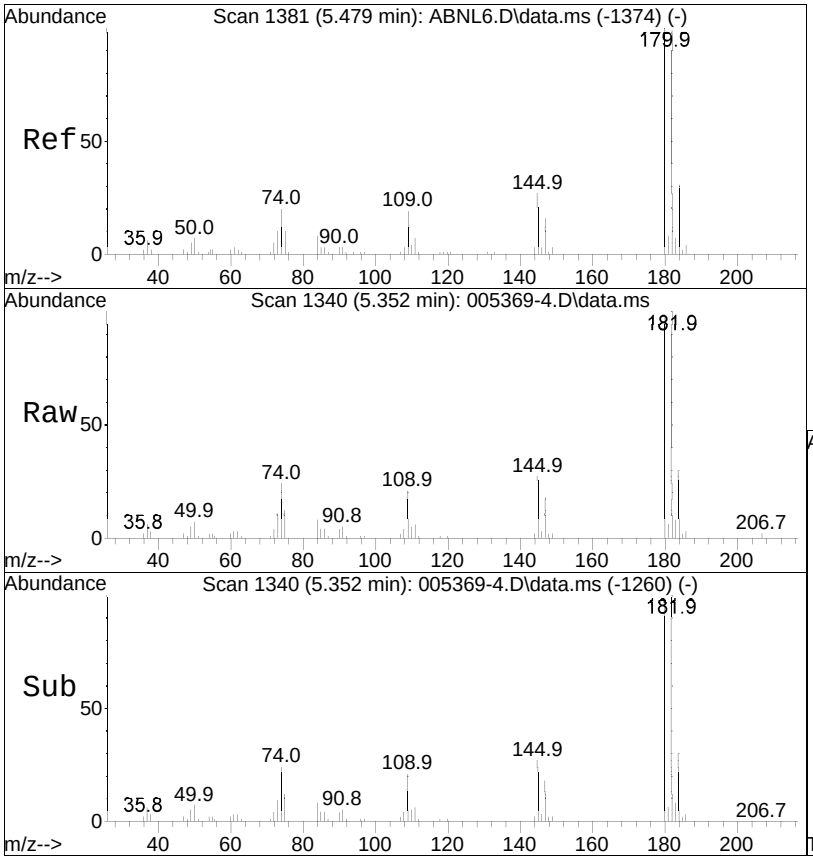


#25
2,4-Dichlorophenol
Concen: 1.76 ug/ml
RT: 5.286 min Scan# 1319
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:162 Resp: 12554

Ion	Ratio	Lower	Upper
162	100		
164	62.6	51.0	76.4
98	27.8	32.2	48.2#

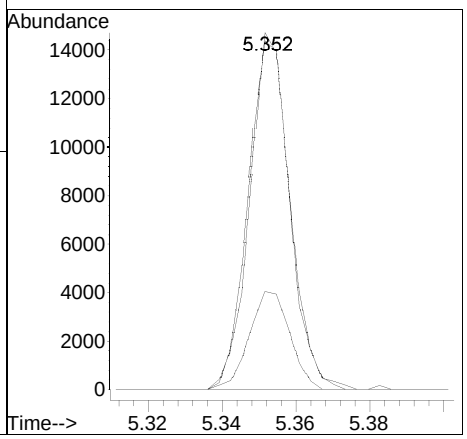


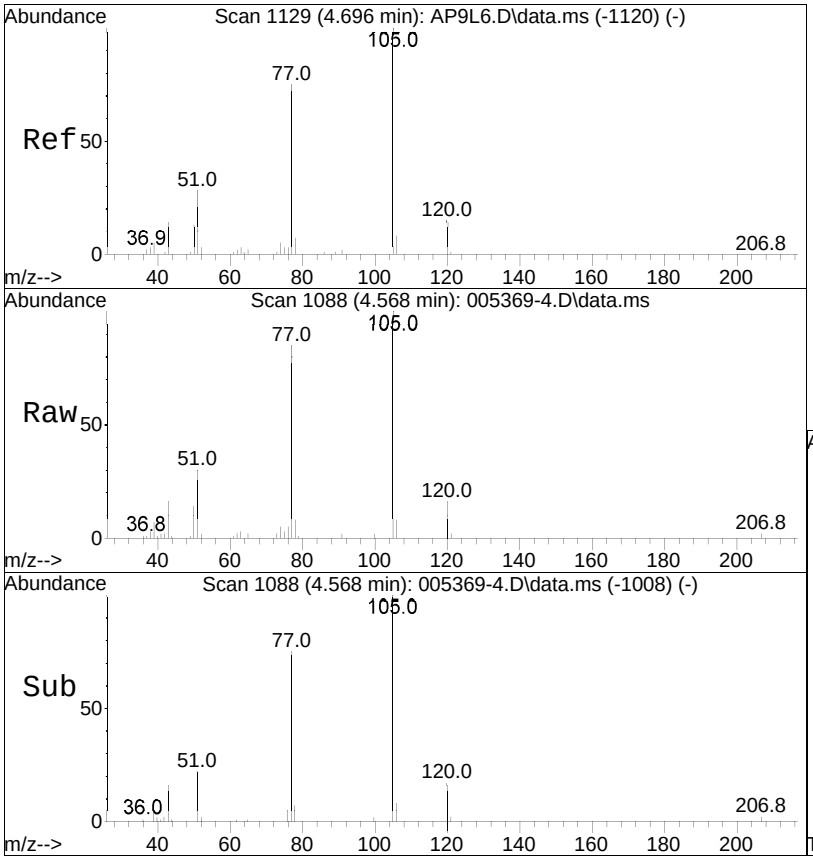


#26
1,2,4-Trichlorobenzene
Concen: 1.31 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:180 Resp: 11303

Ion	Ratio	Lower	Upper
180	100		
182	98.0	76.0	114.0
145	27.4	25.7	38.5

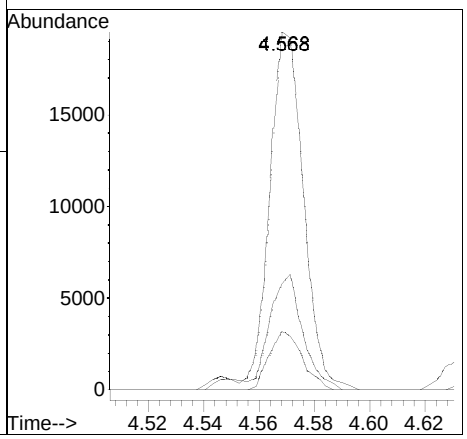


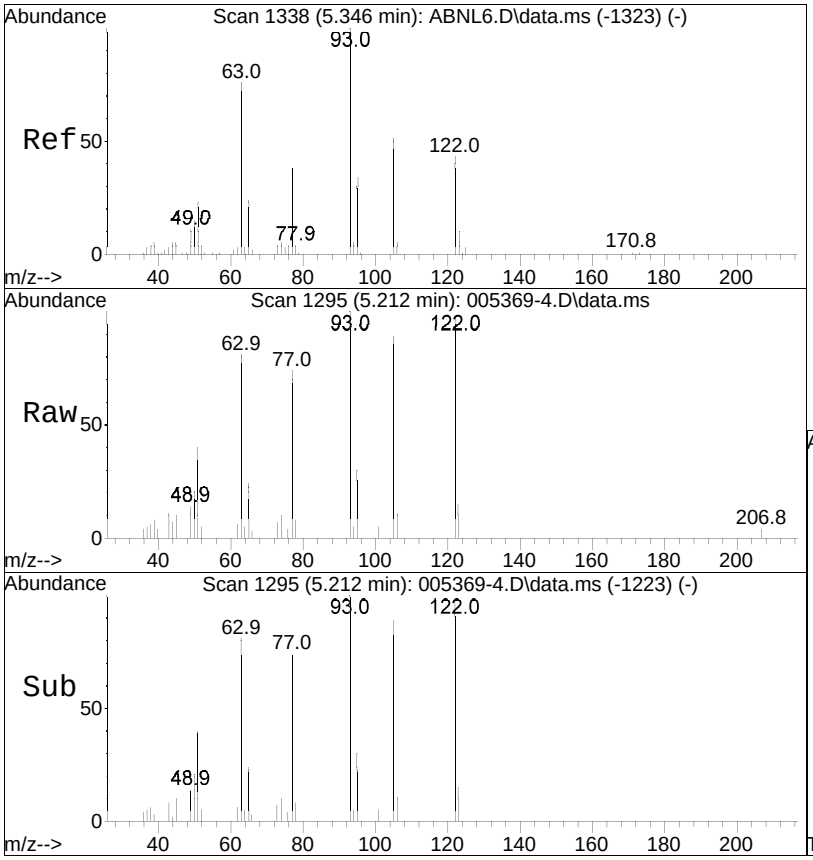


#29
Acetophenone
Concen: 2.14 ug/ml
RT: 4.568 min Scan# 1088
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:105 Resp: 16655

Ion	Ratio	Lower	Upper
105	100		
120	15.8	20.5	30.7#
51	31.0	34.9	52.3#

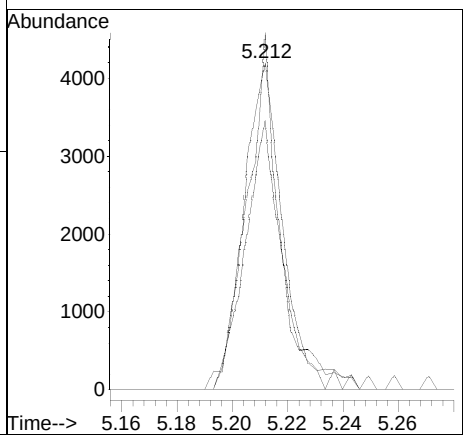


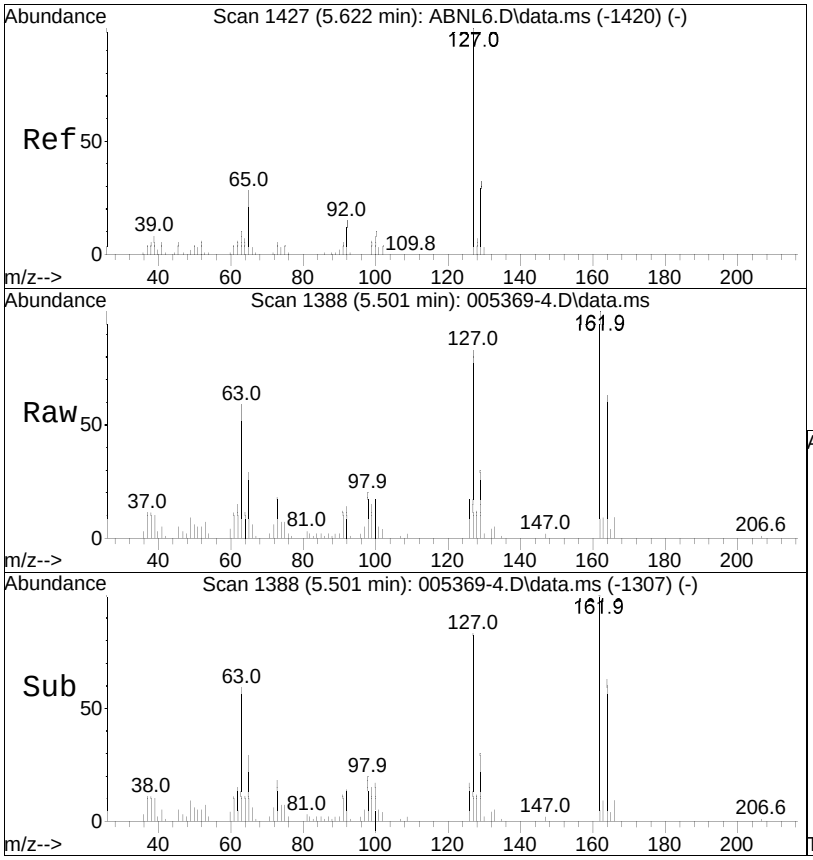


#39
Benzoic Acid
Concen: 0.86 ug/ml
RT: 5.212 min Scan# 1295
Delta R.T. -0.025 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:105 Resp: 4154

Ion	Ratio	Lower	Upper
105	100		
122	87.6	59.9	89.9
77	79.5	60.1	90.1

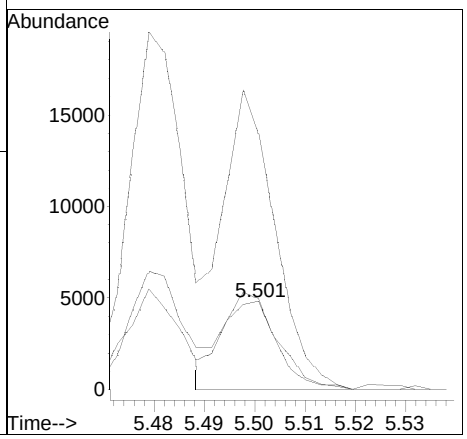


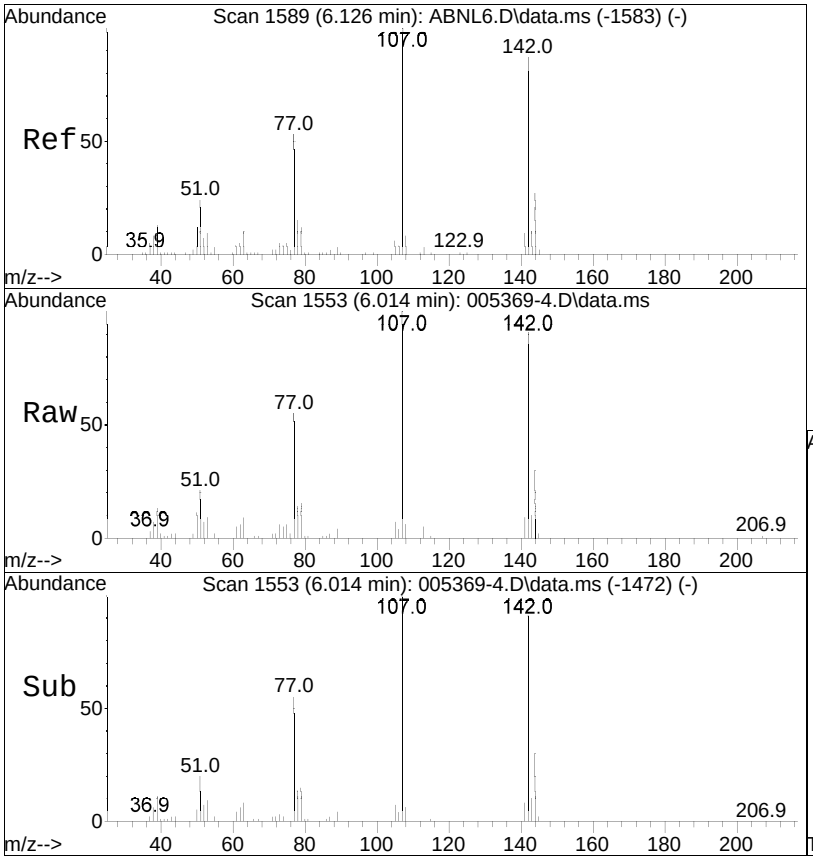


#40
4-Chloroaniline
Concen: 1.47 ug/ml
RT: 5.501 min Scan# 1388
Delta R.T. 0.003 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion: 65 Resp: 3757

Ion	Ratio	Lower	Upper
65	100		
127	320.3	237.6	356.4
129	98.0	76.3	114.5

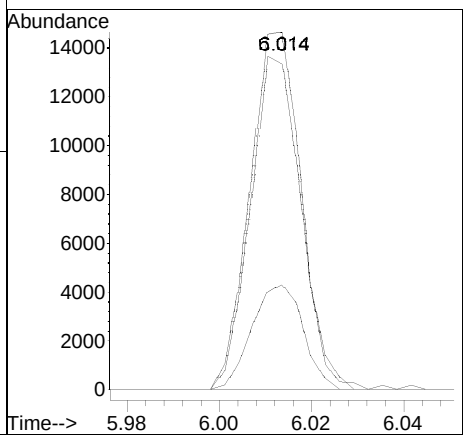


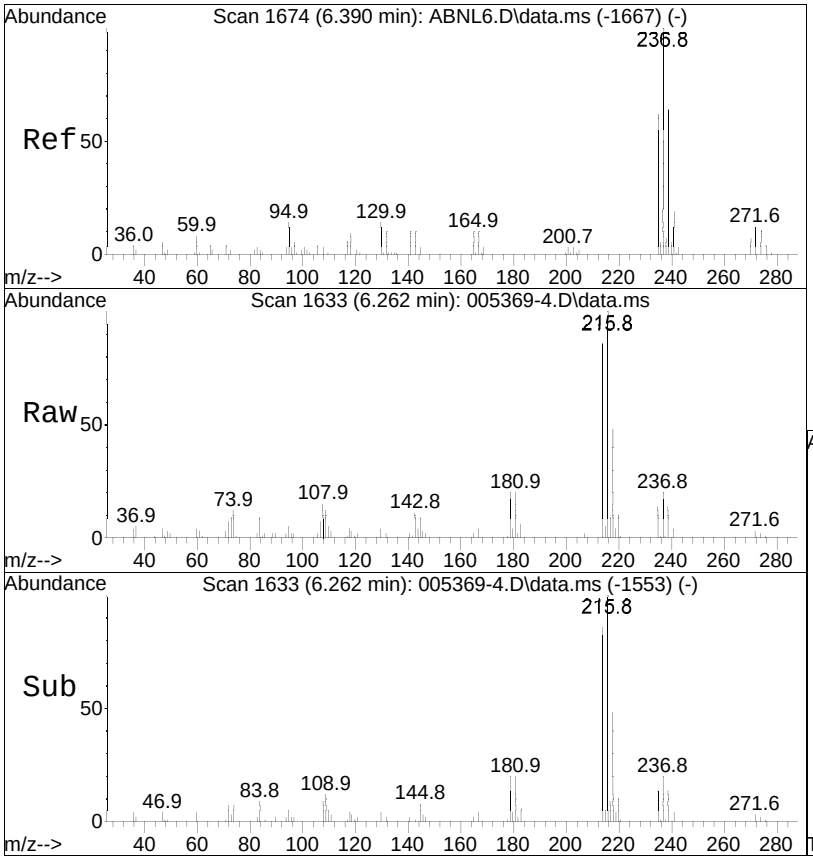


#42
p-Chloro-m-cresol
Concen: 1.84 ug/ml
RT: 6.014 min Scan# 1553
Delta R.T. 0.003 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:107 Resp: 11263

Ion	Ratio	Lower	Upper
107	100		
144	29.3	20.9	31.3
142	91.1	66.1	99.1

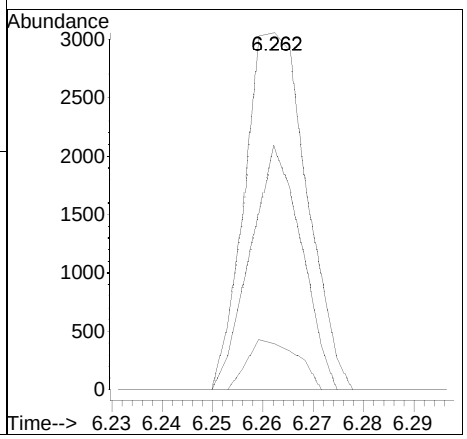


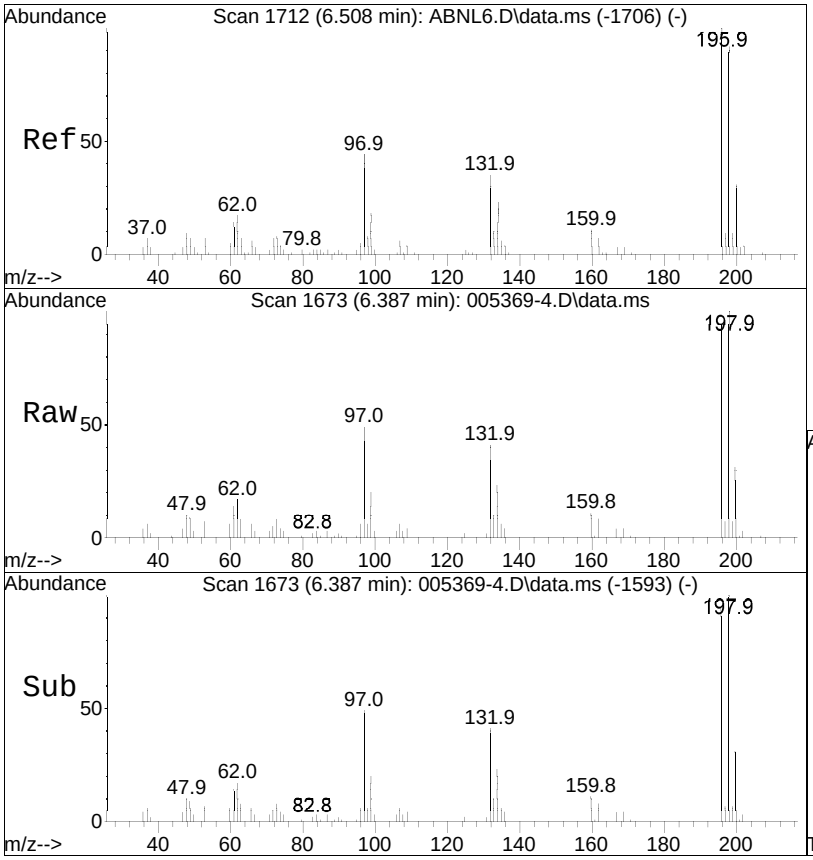


#45
Hexachlorocyclopentadiene
Concen: 0.45 ug/ml
RT: 6.262 min Scan# 1633
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:237 Resp: 2604

Ion	Ratio	Lower	Upper
237	100		
235	56.8	49.7	74.5
272	0.0	9.8	14.6#

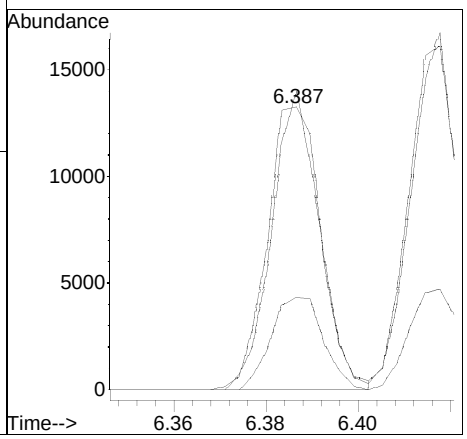


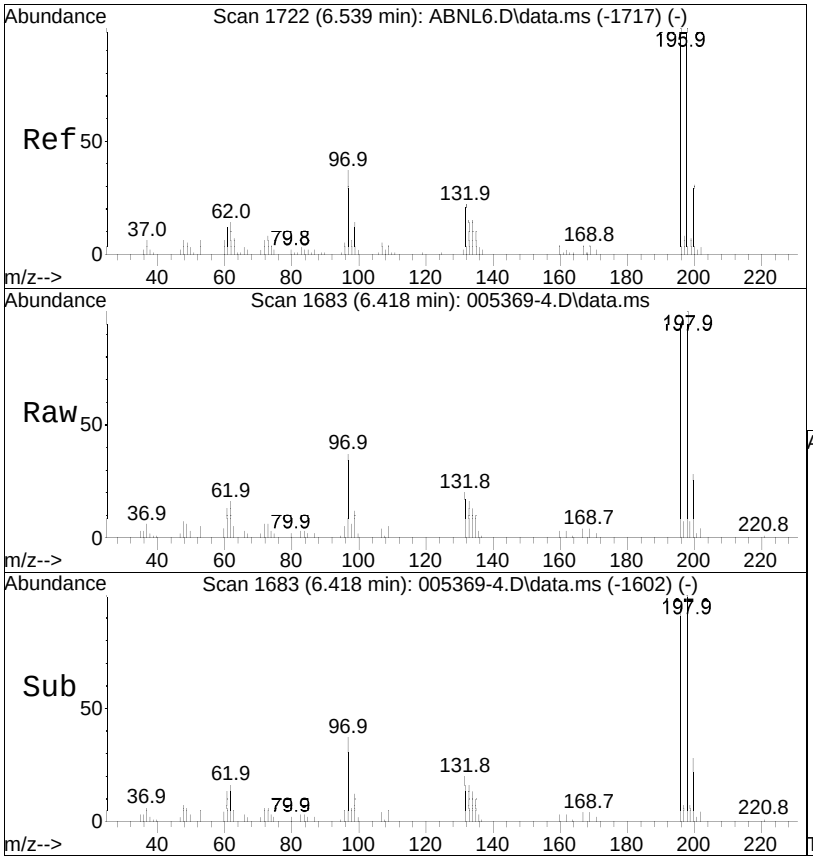


#46
2,4,6-Trichlorophenol
Concen: 1.77 ug/ml
RT: 6.387 min Scan# 1673
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:196 Resp: 10738

Ion	Ratio	Lower	Upper
196	100		
198	93.2	77.5	116.3
200	31.8	23.8	35.6

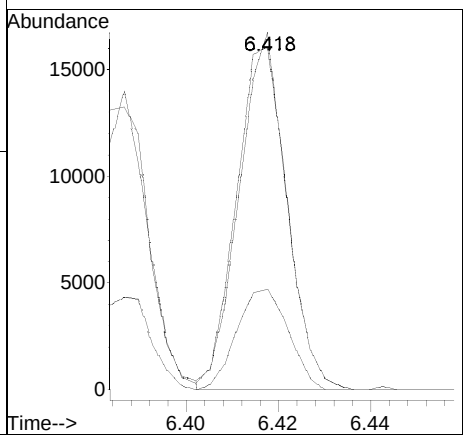


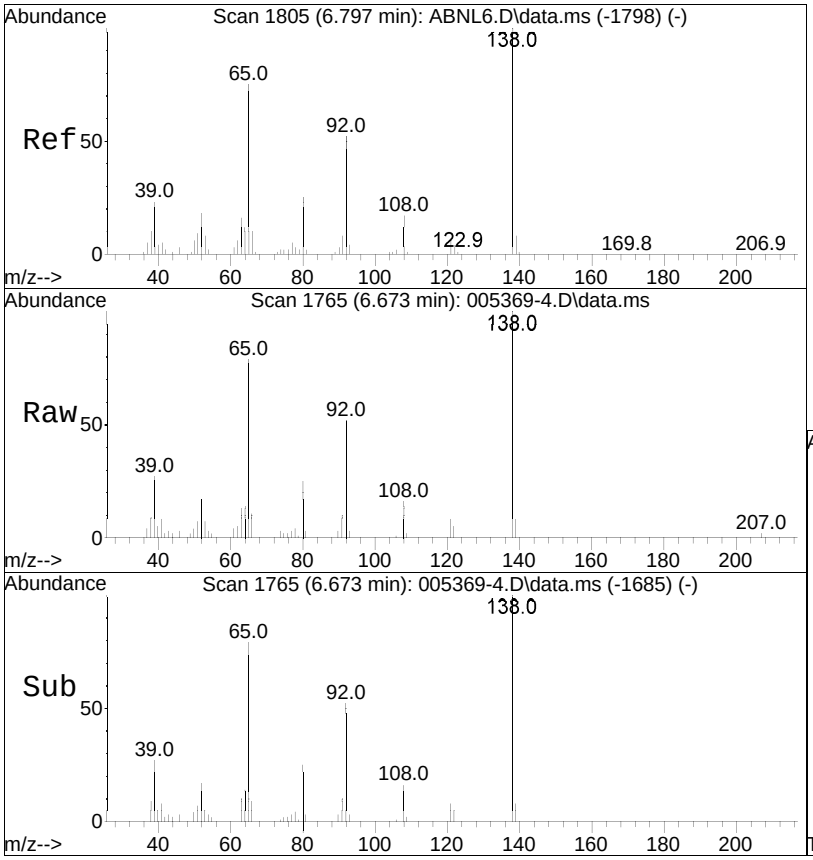


#47
2,4,5-Trichlorophenol
Concen: 1.81 ug/ml
RT: 6.418 min Scan# 1683
Delta R.T. 0.003 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:196 Resp: 12282

Ion	Ratio	Lower	Upper
196	100		
200	29.8	25.4	38.0
198	96.7	78.0	117.0

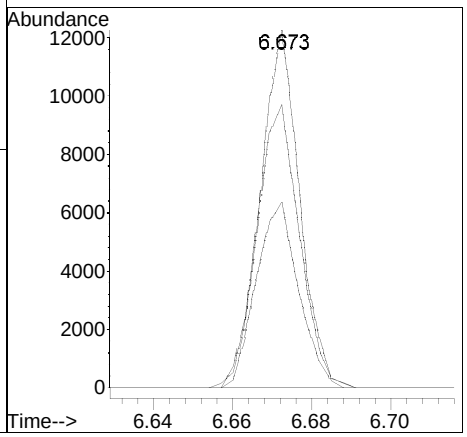


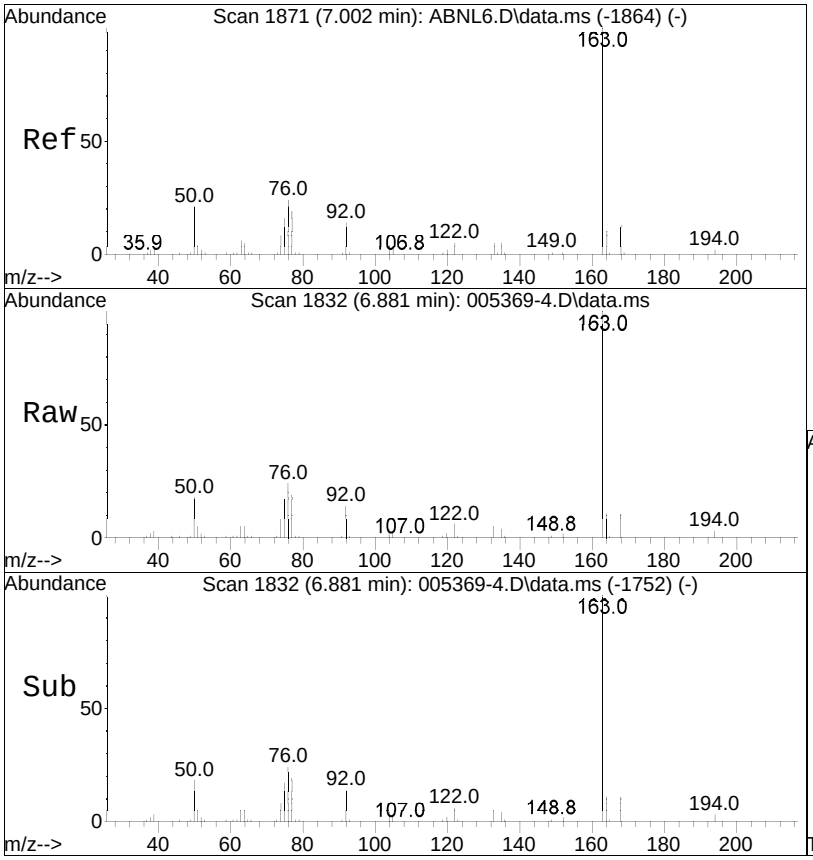


#50
2-Nitroaniline
Concen: 1.82 ug/ml
RT: 6.673 min Scan# 1765
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:138 Resp: 8387

Ion	Ratio	Lower	Upper
138	100		
92	56.3	53.5	80.3
65	86.3	86.3	129.5#

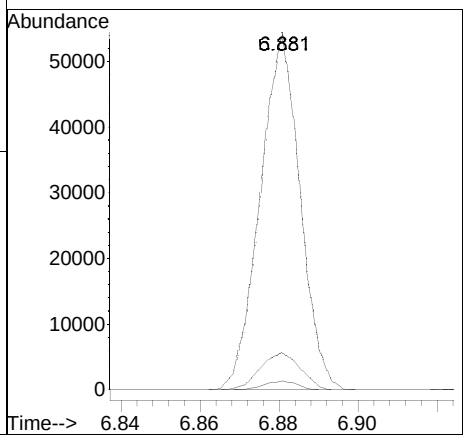


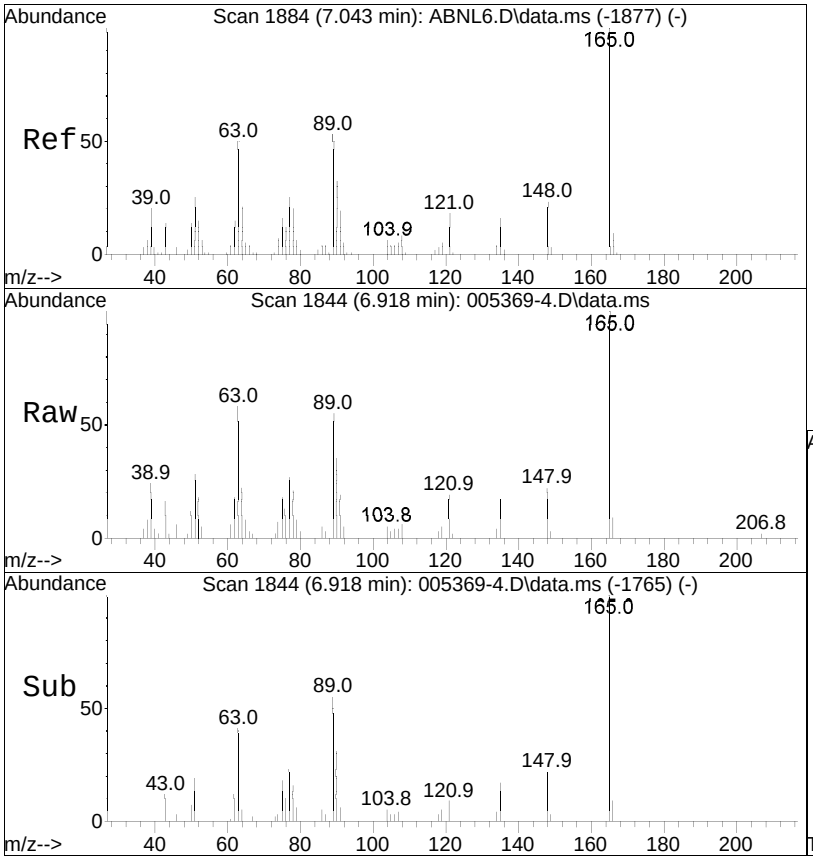


#53
Dimethyl phthalate
Concen: 1.80 ug/ml
RT: 6.881 min Scan# 1832
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:163 Resp: 37660

Ion	Ratio	Lower	Upper
163	100		
194	2.2	3.5	5.3#
164	10.7	7.9	11.9

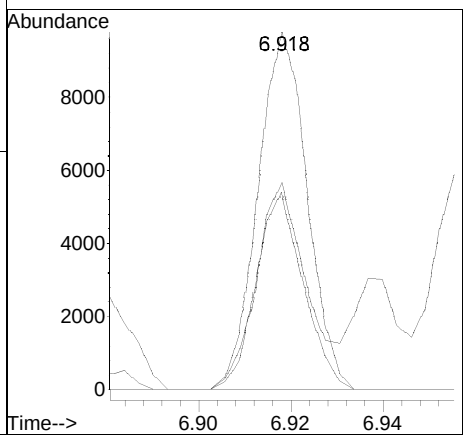


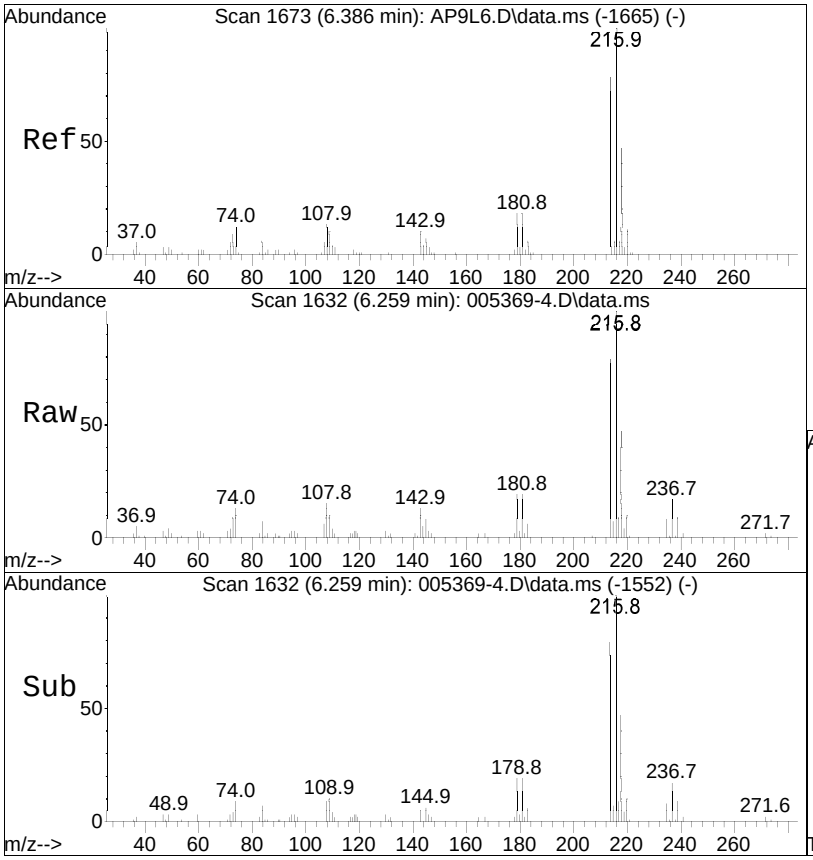


#55
2,6-Dinitrotoluene
Concen: 1.85 ug/ml
RT: 6.918 min Scan# 1844
Delta R.T. -0.003 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:165 Resp: 7239

Ion	Ratio	Lower	Upper
165	100		
89	52.9	54.2	81.2#
63	60.2	64.2	96.2#

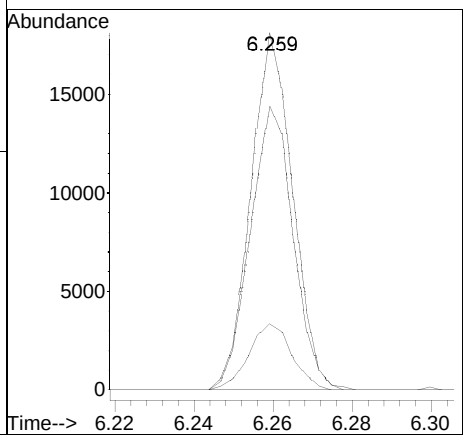


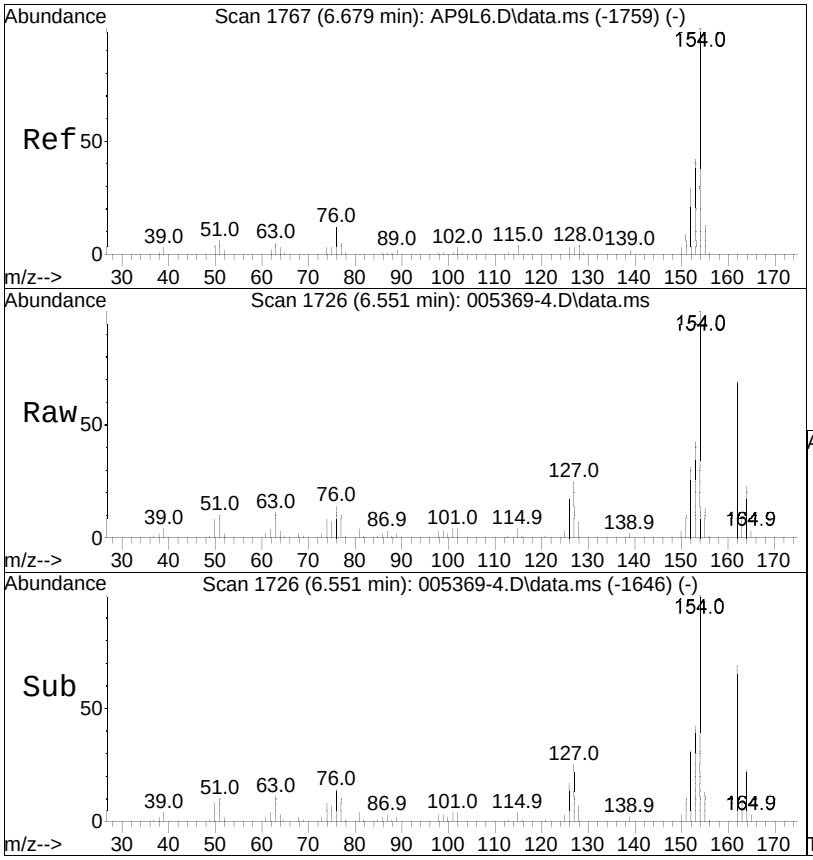


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.52 ug/ml
RT: 6.259 min Scan# 1632
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:216 Resp: 13258

Ion	Ratio	Lower	Upper
216	100		
214	81.3	63.7	95.5
179	19.2	19.0	28.6

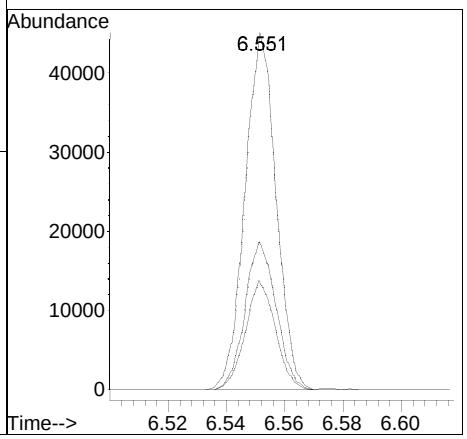


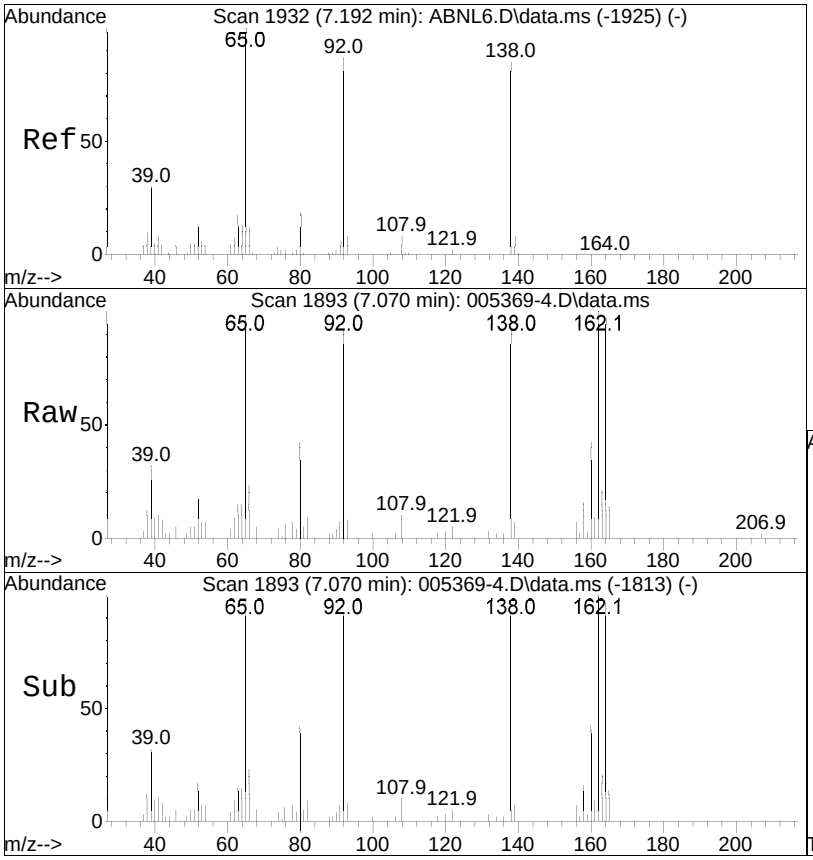


#64
Biphenyl
Concen: 1.87 ug/ml
RT: 6.551 min Scan# 1726
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:154 Resp: 33218

Ion	Ratio	Lower	Upper
154	100		
153	41.6	32.3	48.5
152	29.7	22.5	33.7

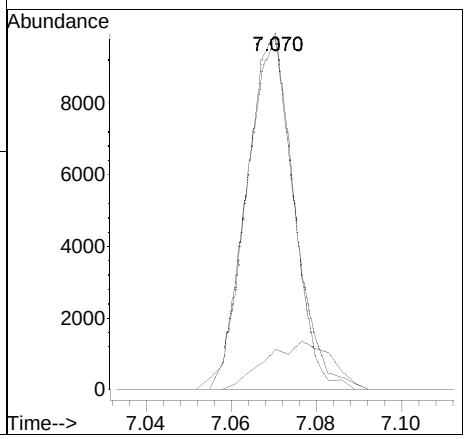


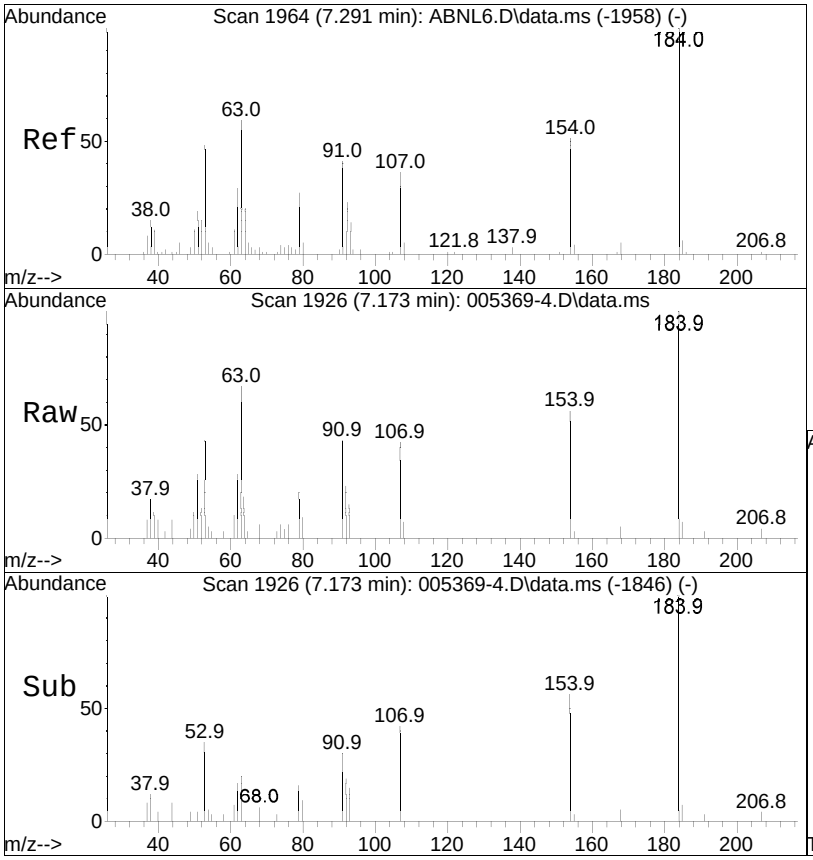


#66
3-Nitroaniline
Concen: 1.76 ug/ml
RT: 7.070 min Scan# 1893
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:138 Resp: 7486

Ion	Ratio	Lower	Upper
138	100		
92	102.2	93.4	140.2
108	19.4	9.5	14.3#

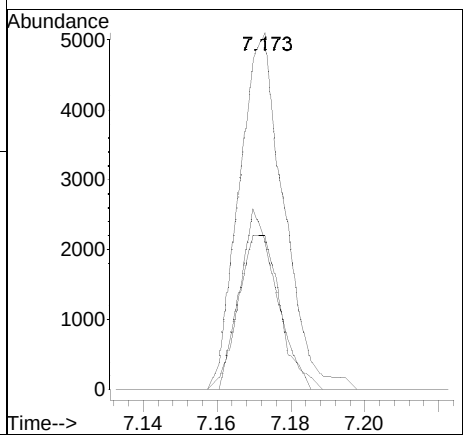


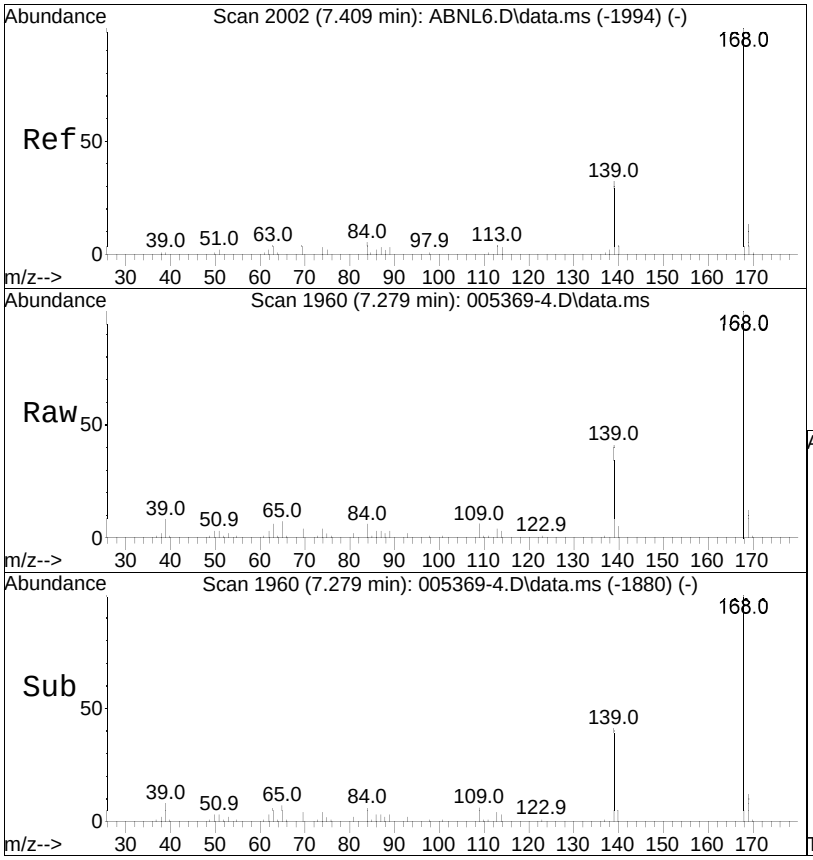


#68
2,4-Dinitrophenol
Concen: 1.64 ug/ml
RT: 7.173 min Scan# 1926
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:184 Resp: 4248

Ion	Ratio	Lower	Upper
184	100		
107	42.2	37.7	56.5
91	40.2	46.3	69.5#

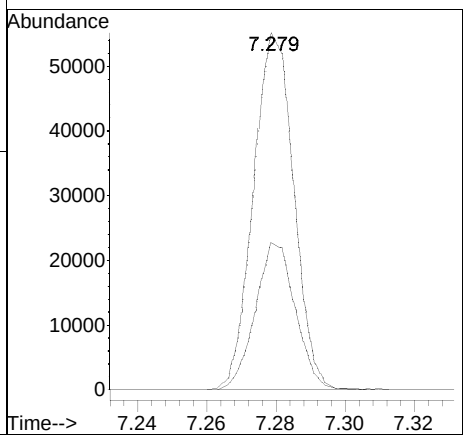


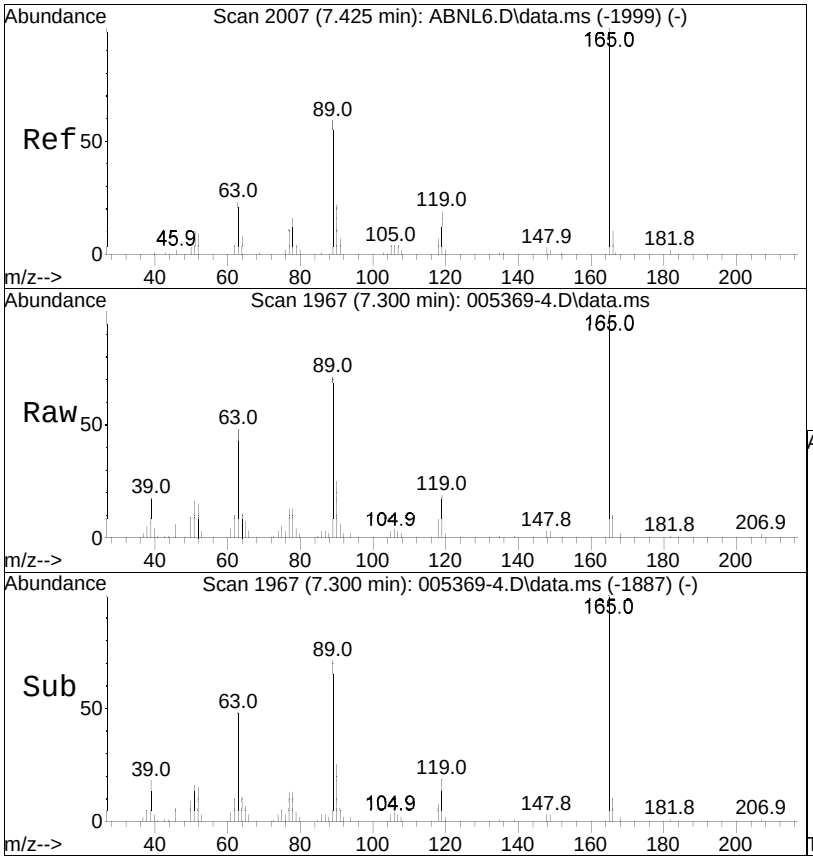


#69
Dibenzofuran
Concen: 1.60 ug/ml
RT: 7.279 min Scan# 1960
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:168 Resp: 44294

Ion	Ratio	Lower	Upper
168	100		
139	41.0	31.4	47.2

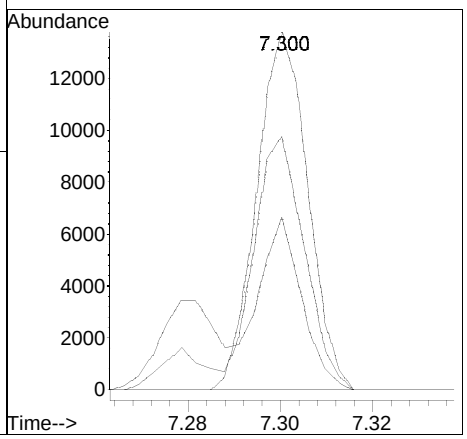


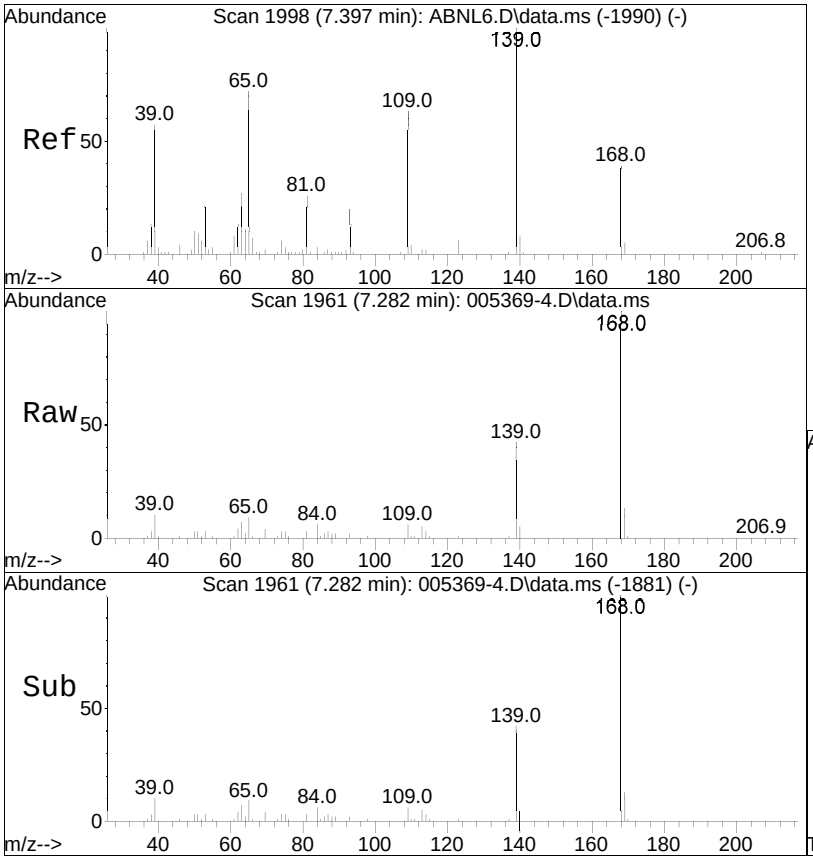


#70
2,4-Dinitrotoluene
Concen: 1.98 ug/ml
RT: 7.300 min Scan# 1967
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:165 Resp: 10550

Ion	Ratio	Lower	Upper
165	100		
89	69.3	72.0	108.0#
63	42.3	52.7	79.1#

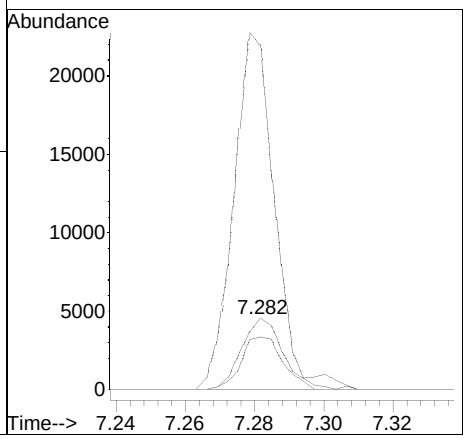


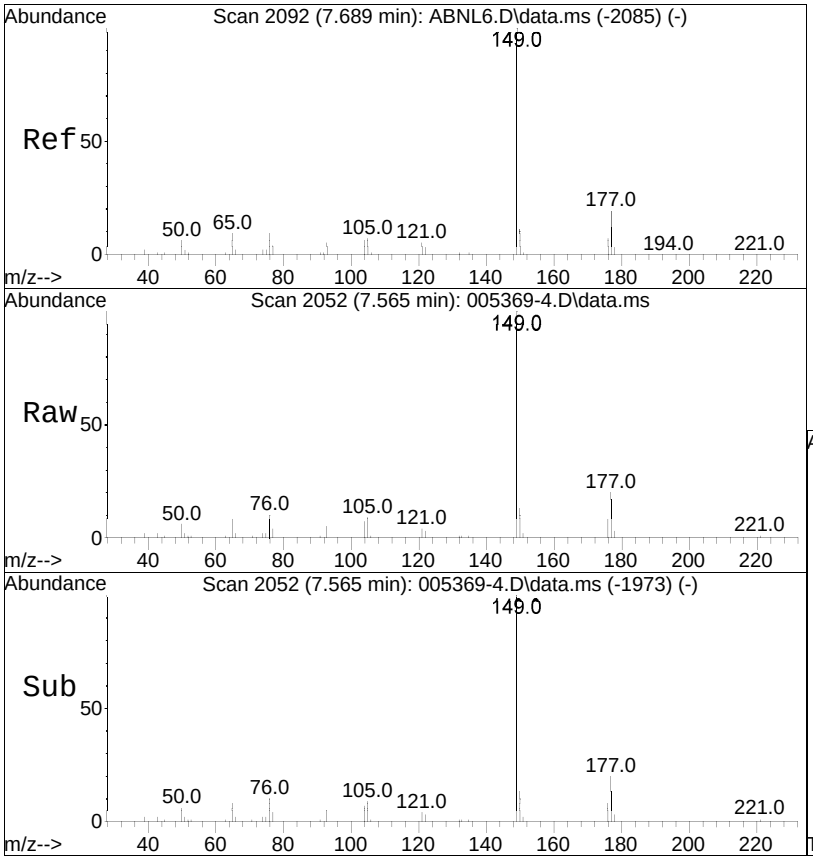


#71
4-Nitrophenol
Concen: 1.32 ug/ml
RT: 7.282 min Scan# 1961
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion: 65 Resp: 4182

Ion	Ratio	Lower	Upper
65	100		
109	67.0	47.4	71.2
139	434.2	76.6	115.0#

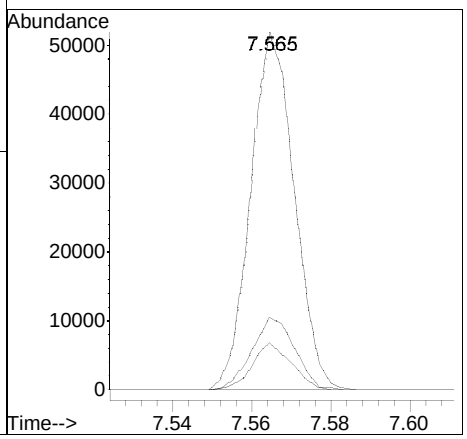


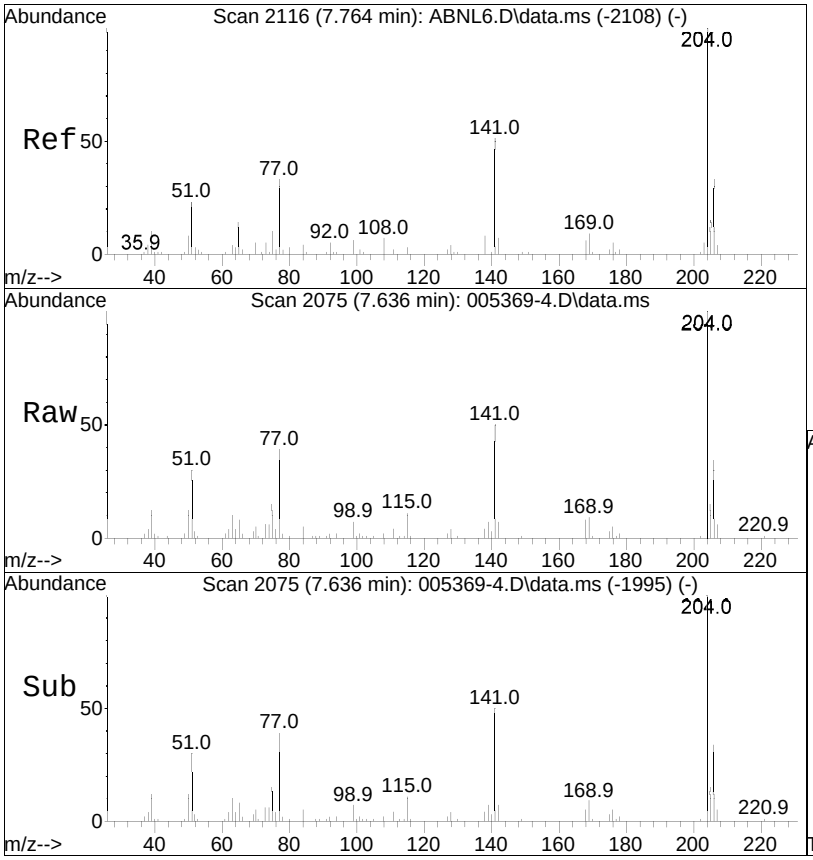


#74
Diethyl phthalate
Concen: 1.81 ug/ml
RT: 7.565 min Scan# 2052
Delta R.T. -0.003 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:149 Resp: 39361

Ion	Ratio	Lower	Upper
149	100		
177	20.1	16.1	24.1
150	11.9	9.4	14.2

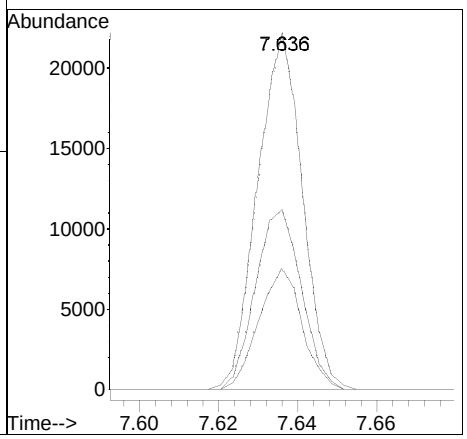


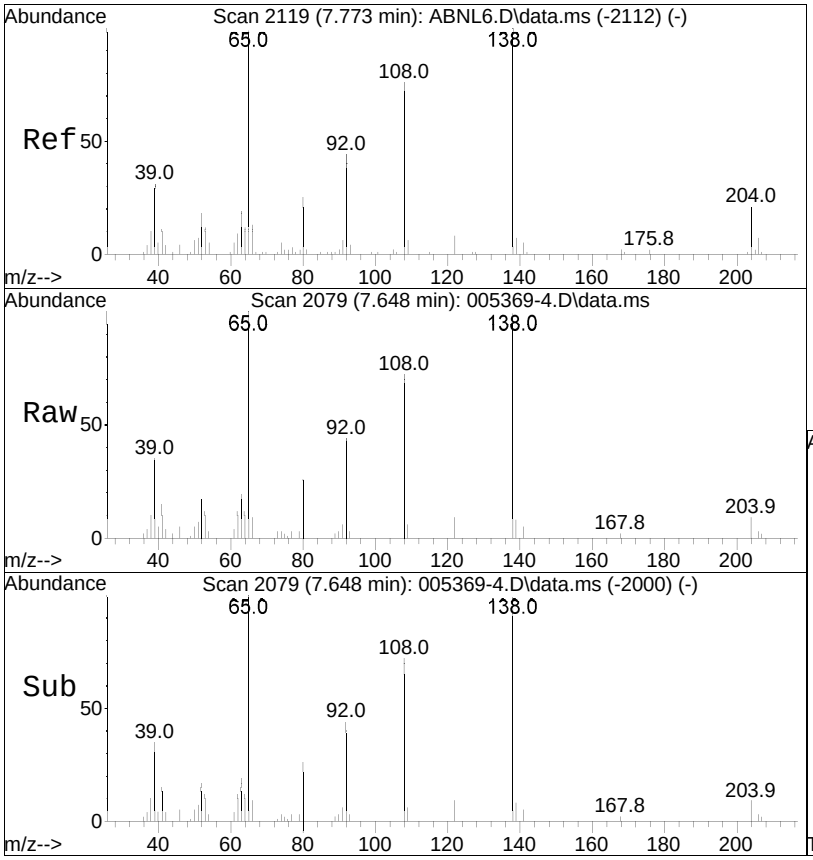


#76
4-Chlorophenyl phenyl ether
Concen: 1.59 ug/ml
RT: 7.636 min Scan# 2075
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:204 Resp: 17323

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.8	38.6
141	51.8	53.6	80.4#

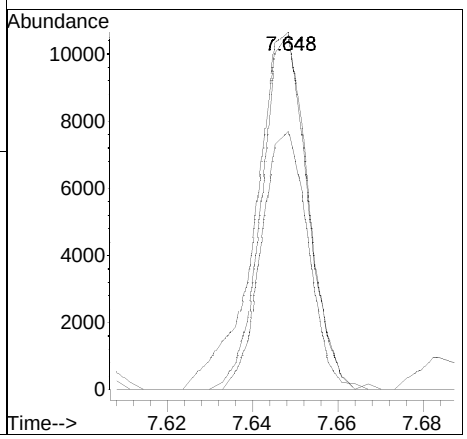


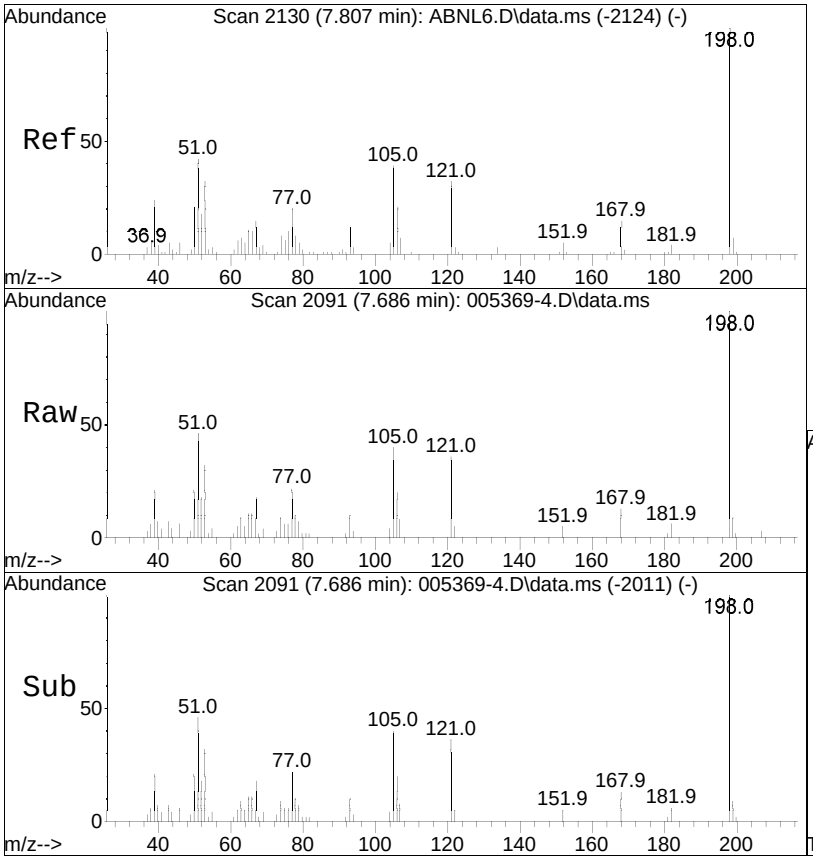


#77
4-Nitroaniline
Concen: 1.94 ug/ml
RT: 7.648 min Scan# 2079
Delta R.T. -0.003 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:138 Resp: 7994

Ion	Ratio	Lower	Upper
138	100		
108	73.4	52.1	78.1
65	114.0	115.0	172.6#

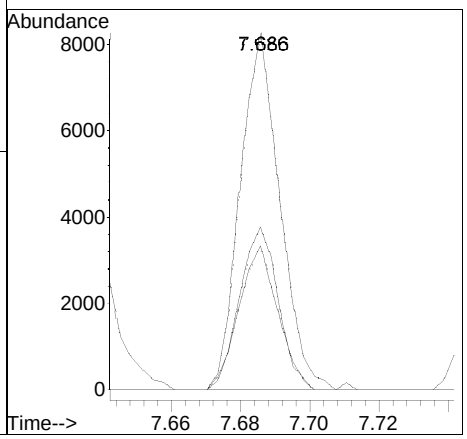


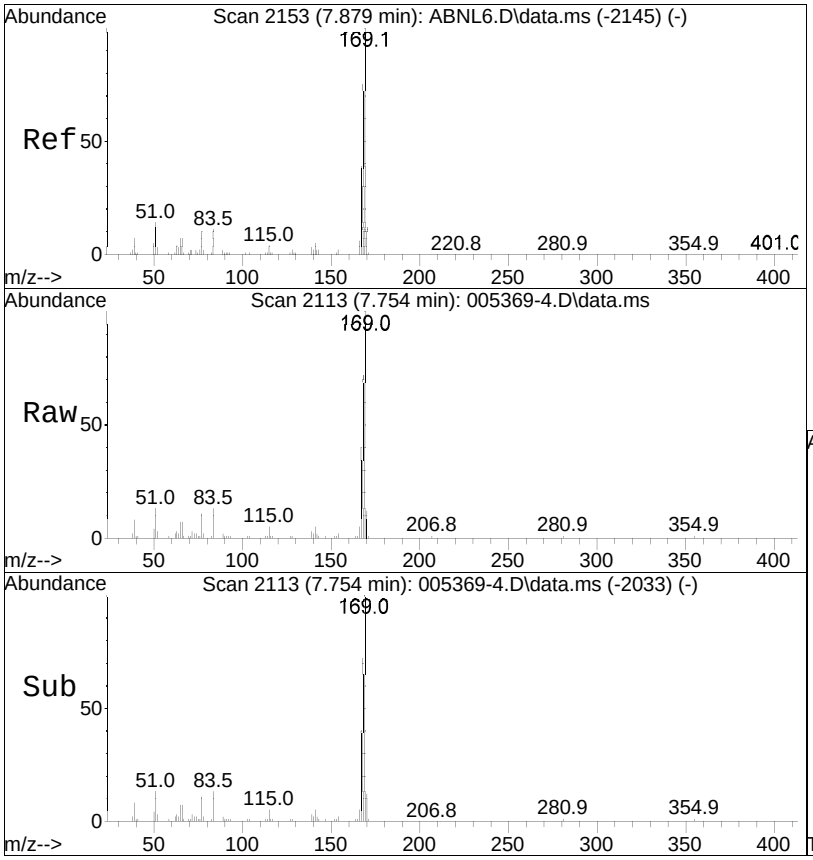


#78
4,6-Dinitro-o-cresol
Concen: 2.04 ug/ml
RT: 7.686 min Scan# 2091
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:198 Resp: 6586

Ion	Ratio	Lower	Upper
198	100		
51	44.4	76.0	114.0#
105	39.6	45.6	68.4#

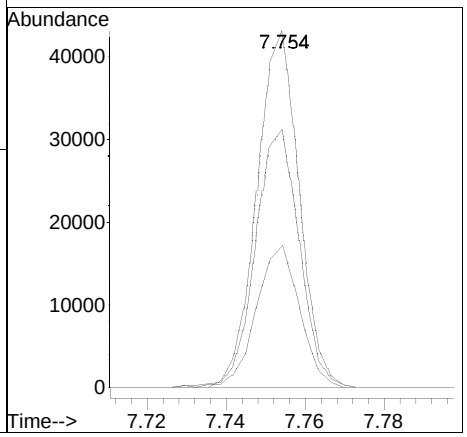


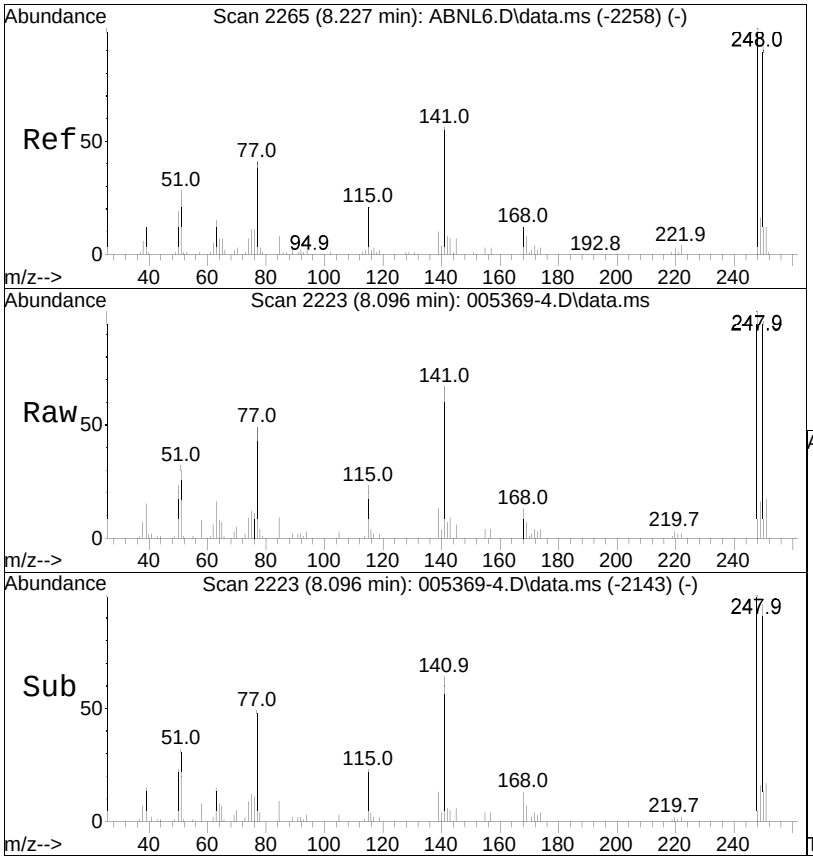


#79
NDPA/DPA
Concen: 1.74 ug/ml
RT: 7.754 min Scan# 2113
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:169 Resp: 32024

Ion	Ratio	Lower	Upper
169	100		
168	75.0	54.0	81.0
167	41.1	28.6	42.8

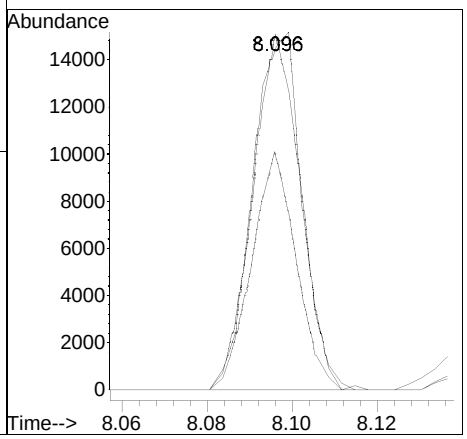


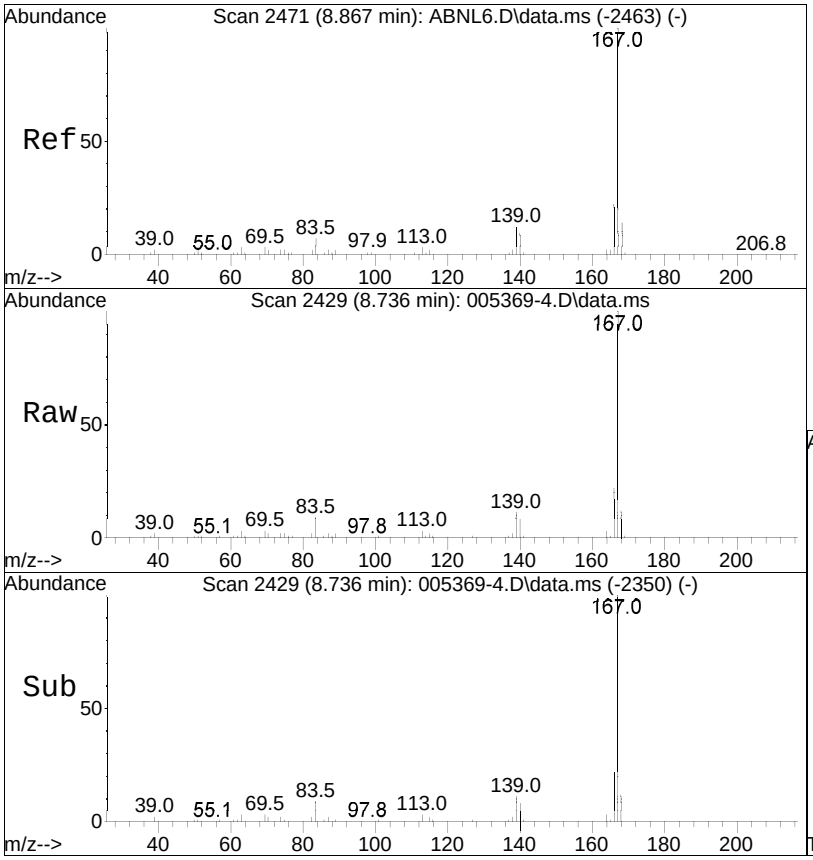


#82
4-Bromophenyl phenyl ether
Concen: 1.63 ug/ml
RT: 8.096 min Scan# 2223
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:248 Resp: 11719

Ion	Ratio	Lower	Upper
248	100		
141	62.1	76.6	114.8#
250	103.5	77.3	115.9

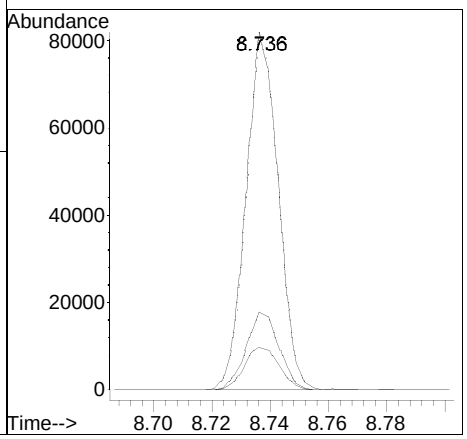


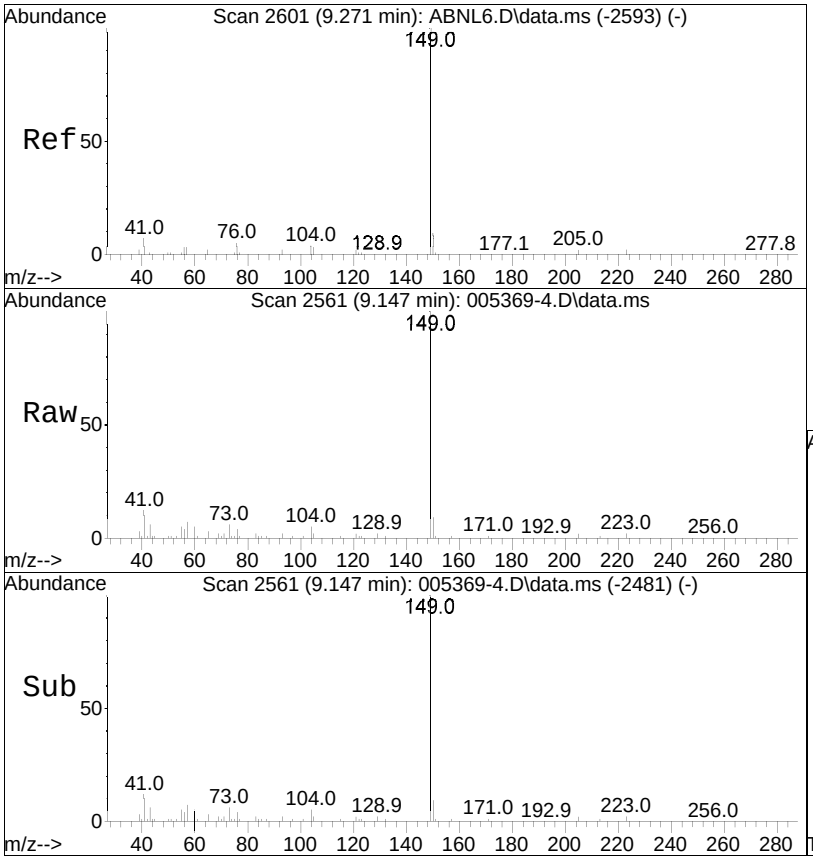


#93
Carbazole
Concen: 1.99 ug/ml
RT: 8.736 min Scan# 2429
Delta R.T. -0.003 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:167 Resp: 62244

Ion	Ratio	Lower	Upper
167	100		
168	13.0	10.6	15.8
166	22.4	17.4	26.0

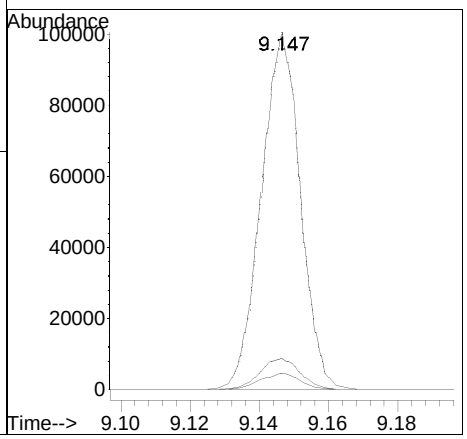


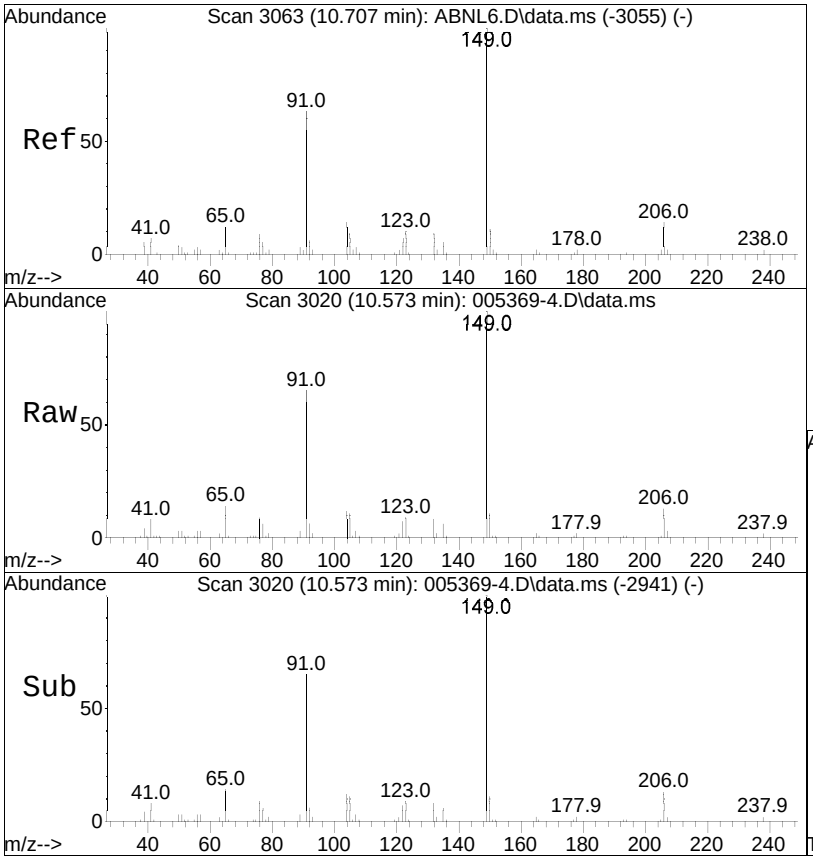


#94
Di-n-butylphthalate
Concen: 2.19 ug/ml
RT: 9.147 min Scan# 2561
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:149 Resp: 77797

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.5	4.5	6.7

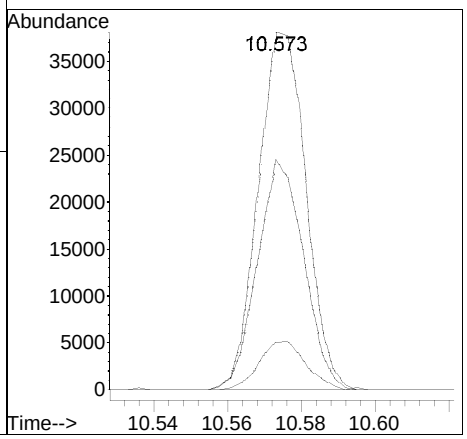


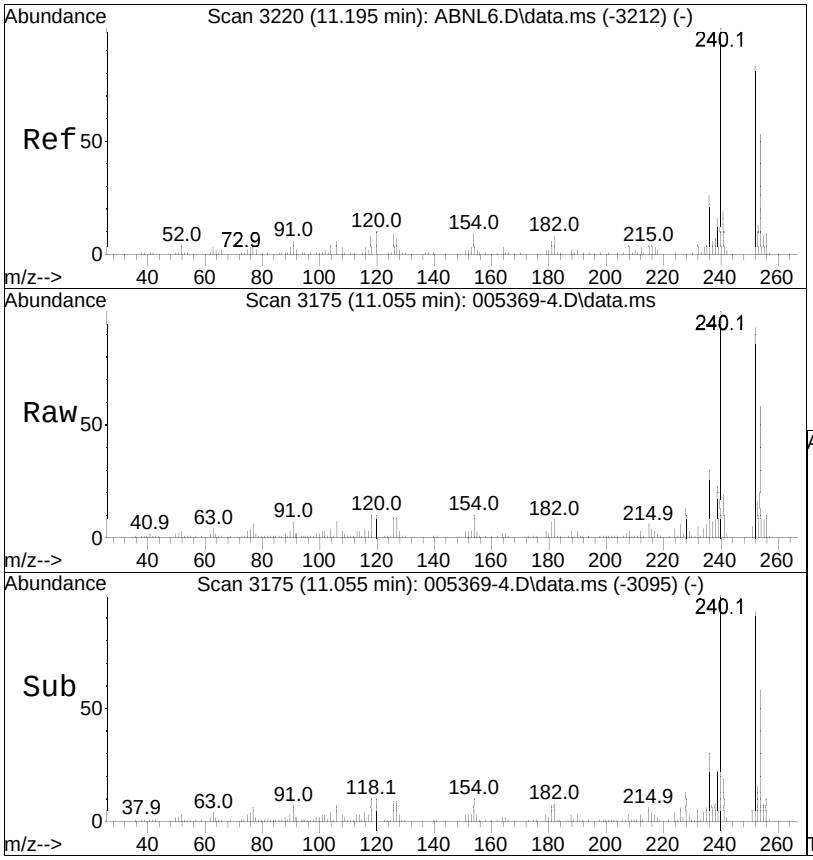


#99
Butyl benzyl phthalate
Concen: 2.23 ug/ml
RT: 10.573 min Scan# 3020
Delta R.T. -0.003 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:149 Resp: 33910

Ion	Ratio	Lower	Upper
149	100		
91	62.7	63.3	94.9#
206	13.6	13.9	20.9#

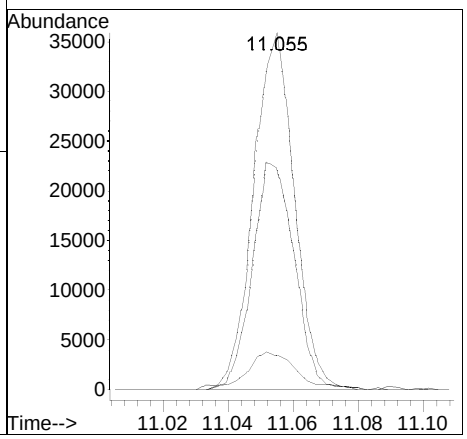


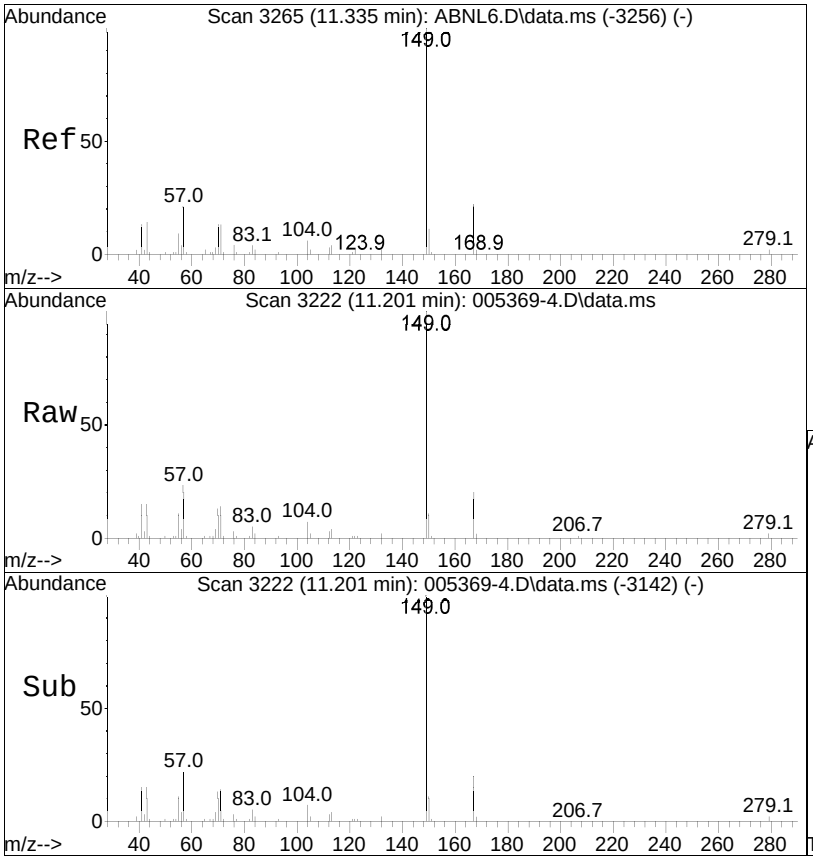


#108
3,3'-Dichlorobenzidine
Concen: 1.76 ug/ml
RT: 11.055 min Scan# 3175
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:252 Resp: 31229

Ion	Ratio	Lower	Upper
252	100		
126	13.2	14.5	21.7#
254	65.7	51.2	76.8

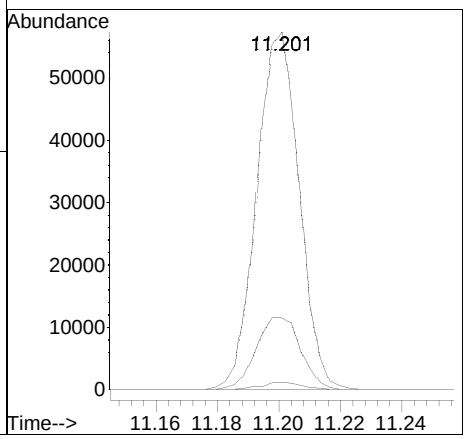


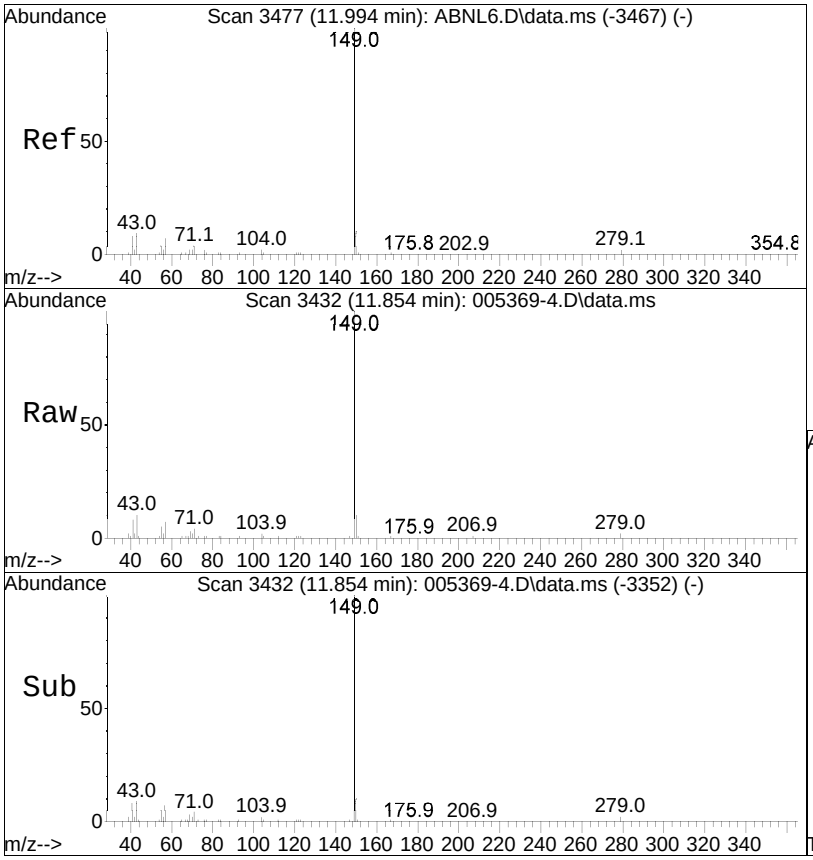


#110
Bis(2-ethylhexyl)phthalate
Concen: 2.13 ug/ml
RT: 11.201 min Scan# 3222
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:149 Resp: 54358

Ion	Ratio	Lower	Upper
149	100		
167	21.3	22.1	33.1#
279	1.8	3.0	4.4#

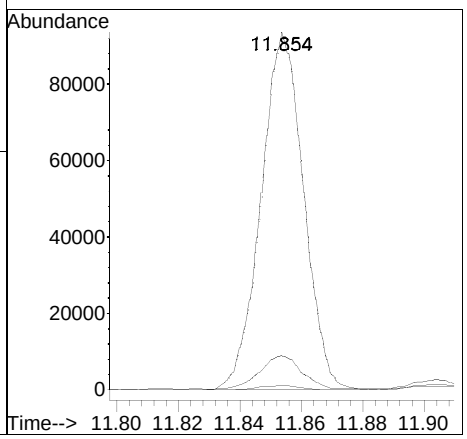




#111
Di-n-octylphthalate
Concen: 2.09 ug/ml
RT: 11.854 min Scan# 3432
Delta R.T. -0.000 min
Lab File: 005369-4.D
Acq: 5 Dec 2024 2:33 pm

Tgt Ion:149 Resp: 88705

Ion	Ratio	Lower	Upper
149	100		
43	9.3	18.8	28.2#
167	1.1	1.3	1.9#



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-5.D
Acq On : 5 Dec 2024 2:56 pm
Operator : Dakota:ek
Sample : WG2005369-5,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 06 19:55:16 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.152	152	20359	4.000	ug/ml		0.00
Standard Area 1 = 24601			Recovery = 82.76%				
27) IS2_1,4-Dichlorobenzen...	4.152	152	20359	4.000	ug/ml		0.00
Standard Area 3 = 24990			Recovery = 81.47%				
37) IS1_Naphthalene-d8	5.392	136	76668	4.000	ug/ml	#	0.00
Standard Area 1 = 96194			Recovery = 79.70%				
57) IS2_Naphthalene-d8	5.392	136	76668	4.000	ug/ml	#	0.00
Standard Area 3 = 95647			Recovery = 80.16%				
65) IS1_Acenaphthene-d10	7.080	164	50160	4.000	ug/ml		0.00
Standard Area 1 = 62067			Recovery = 80.82%				
85) IS2_Acenaphthene-d10	7.080	164	50160	4.000	ug/ml		0.00
Standard Area 3 = 61876			Recovery = 81.07%				
88) IS3_Acenaphthene-d10	7.080	164	50160	4.000	ug/ml		0.00
Standard Area 2 = 52419			Recovery = 95.69%				
90) IS1_Phenanthrene-d10	8.491	188	111794	4.000	ug/ml		0.00
Standard Area 1 = 136315			Recovery = 82.01%				
102) IS3_Phenanthrene-d10	8.491	188	111794	4.000	ug/ml		0.00
Standard Area 2 = 118292			Recovery = 94.51%				
106) IS1_Chrysene-d12	11.046	240	132975	4.000	ug/ml		0.00
Standard Area 1 = 164893			Recovery = 80.64%				
115) IS1_Perylene-d12	12.454	264	160475	4.000	ug/ml		0.00
Standard Area 1 = 196513			Recovery = 81.66%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.862	112	5731	1.095	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 54.75%				
7) Phenol-d6	3.869	99	5141	0.767	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 38.35%				
19) Nitrobenzene-d5	4.708	82	4762	0.783	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 78.30%				
48) 2-Fluorobiphenyl	6.464	172	14352	0.756	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 75.60%				
81) 2,4,6-Tribromophenol	7.838	330	6558	1.829	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 91.45%				
98) 4-Terphenyl-d14	10.060	244	27822	0.860	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 86.00%				

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-5.D
Acq On : 5 Dec 2024 2:56 pm
Operator : Dakota:ek
Sample : WG2005369-5,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 06 19:55:16 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
6) 2-Chlorophenol	3.953	128	10326	1.656 ug/ml	90
8) Phenol	3.882	94	6661	0.921 ug/ml	97
9) Bis(2-chloroethyl)ether	3.931	93	8873	1.714 ug/ml	99
10) 1,3-Dichlorobenzene	4.093	146	10947	1.364 ug/ml	94
11) 1,4-Dichlorobenzene	4.171	146	11745	1.434 ug/ml	94
12) 1,2-Dichlorobenzene	4.317	146	11625	1.489 ug/ml	94
13) Benzyl alcohol	4.329	79	7303	1.543 ug/ml	96
14) Bis(2-chloroisopropyl)...	4.469	45	15517	1.699 ug/ml#	66
15) 2-Methylphenol	4.472	108	8293	1.510 ug/ml	97
17) n-Nitrosodi-n-propylamine	4.599	70	7503	1.709 ug/ml#	84
18) 3-Methylphenol/4-Methy...	4.637	108	8973	1.491 ug/ml	96
20) Nitrobenzene	4.727	77	10958	1.761 ug/ml	97
21) Isophorone	4.969	82	19812	1.732 ug/ml#	94
22) 2-Nitrophenol	5.041	139	5710	1.813 ug/ml#	86
23) 2,4-Dimethylphenol	5.140	107	6389	1.140 ug/ml	98
24) Bis(2-chloroethoxy)met...	5.221	93	13084	1.836 ug/ml#	96
25) 2,4-Dichlorophenol	5.286	162	11801	1.804 ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.352	180	11232	1.419 ug/ml	97
29) Acetophenone	4.572	105	15992	2.239 ug/ml#	77
39) Benzoic Acid	5.212	105	4764	1.091 ug/ml	93
40) 4-Chloroaniline	5.498	65	3250	1.402 ug/ml	79
42) p-Chloro-m-cresol	6.011	107	9926	1.787 ug/ml	87
45) Hexachlorocyclopentadiene	6.262	237	2577	0.494 ug/ml#	92
46) 2,4,6-Trichlorophenol	6.387	196	9648	1.756 ug/ml	96
47) 2,4,5-Trichlorophenol	6.415	196	11611	1.891 ug/ml	98
50) 2-Nitroaniline	6.673	138	8296	1.984 ug/ml#	73
53) Dimethyl phthalate	6.881	163	35273	1.857 ug/ml#	97
55) 2,6-Dinitrotoluene	6.918	165	6628	1.870 ug/ml#	76
63) 1,2,4,5-Tetrachloroben...	6.259	216	13302	1.681 ug/ml	97
64) Biphenyl	6.551	154	30787	1.908 ug/ml	94
66) 3-Nitroaniline	7.070	138	6754	1.744 ug/ml#	84
68) 2,4-Dinitrophenol	7.170	184	4319	1.831 ug/ml#	81
69) Dibenzofuran	7.279	168	42049	1.672 ug/ml	96
70) 2,4-Dinitrotoluene	7.300	165	9885	2.036 ug/ml#	73
71) 4-Nitrophenol	7.282	65	3849	1.333 ug/ml#	1
74) Diethyl phthalate	7.565	149	36951	1.871 ug/ml	97

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-5.D
Acq On : 5 Dec 2024 2:56 pm
Operator : Dakota:ek
Sample : WG2005369-5,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 06 19:55:16 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241205RVT\ABN1205.D
: 2 - I:\8270\Dakota\241205RVT\ADP1205.D
: 3 - I:\8270\Dakota\241205RVT\AP91205.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4-Chlorophenyl phenyl ...	7.636	204	16590	1.671	ug/ml#	86
77)	4-Nitroaniline	7.649	138	7592	2.028	ug/ml#	78
78)	4,6-Dinitro-o-cresol	7.686	198	6242	2.127	ug/ml#	57
79)	NDPA/DPA	7.754	169	29695	1.772	ug/ml	93
82)	4-Bromophenyl phenyl e...	8.096	248	11508	1.760	ug/ml#	79
93)	Carbazole	8.736	167	58091	1.953	ug/ml	99
94)	Di-n-butylphthalate	9.147	149	71780	2.128	ug/ml#	98
99)	Butyl benzyl phthalate	10.576	149	31161	2.157	ug/ml#	84
108)	3,3'-Dichlorobenzidine	11.055	252	26531	1.581	ug/ml#	96
110)	Bis(2-ethylhexyl)phtha...	11.201	149	51454	2.131	ug/ml#	88
111)	Di-n-octylphthalate	11.854	149	83479	2.072	ug/ml#	72

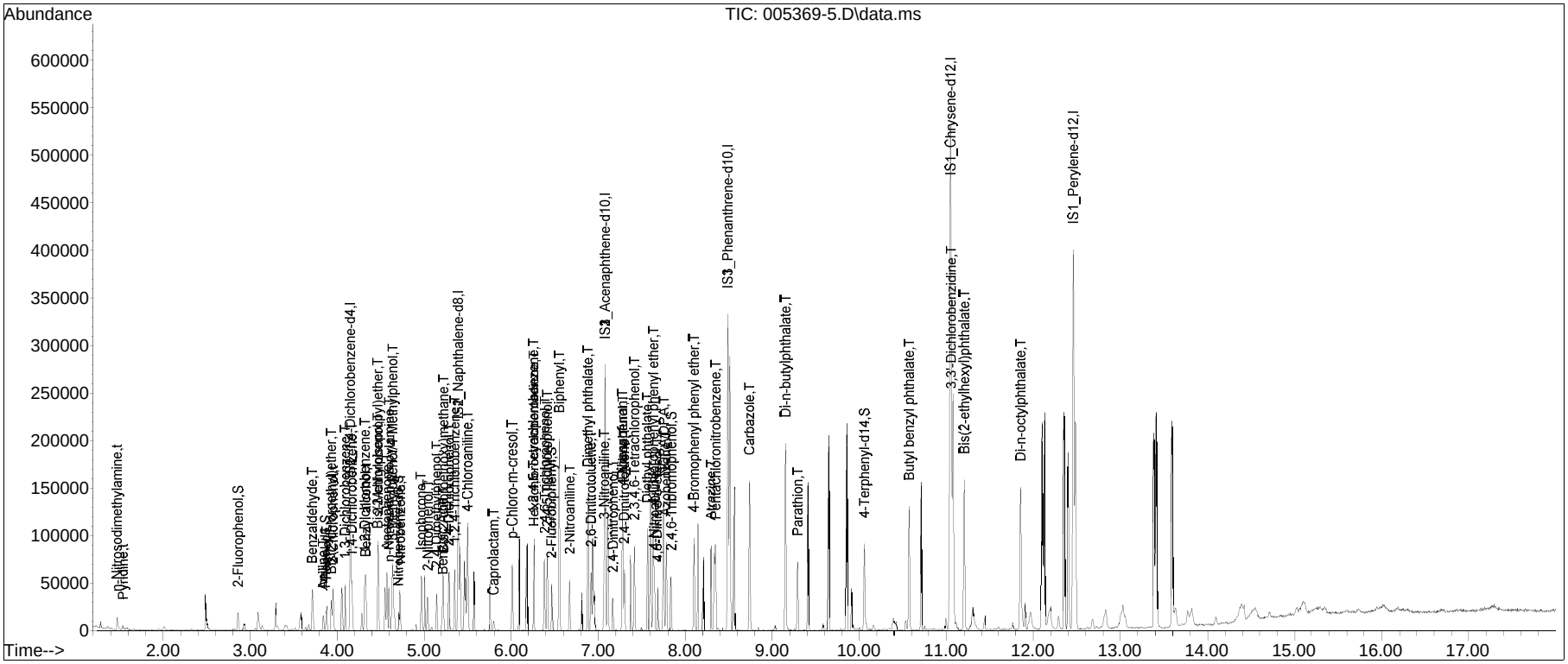
(#) = qualifier out of range (m) = manual integration (+) = signals summed

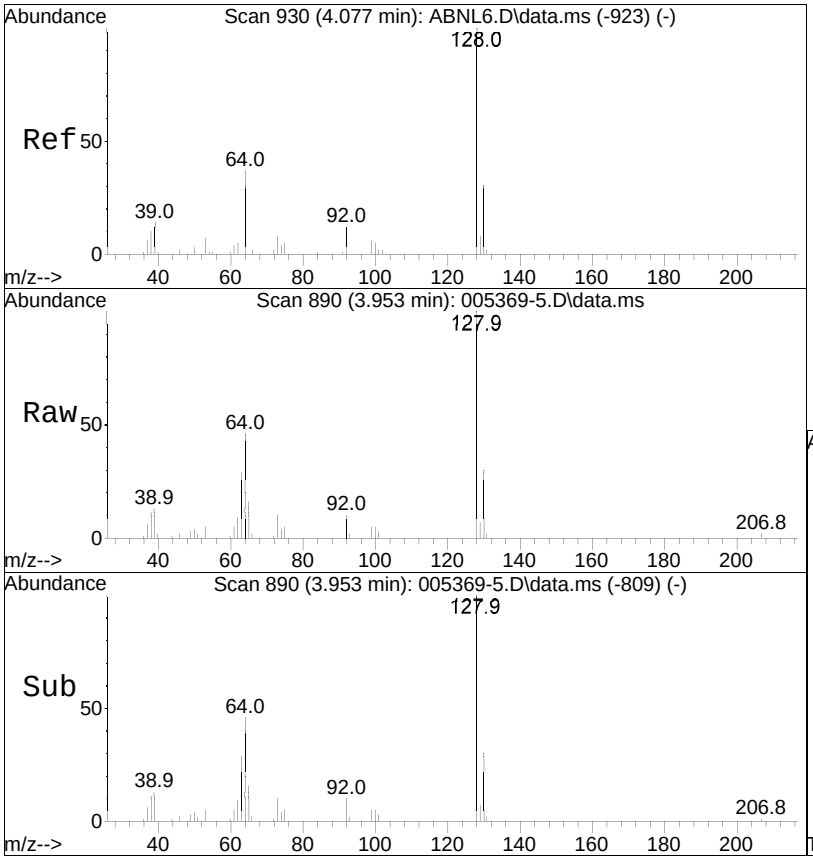
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241205RVT\
Data File : 005369-5.D
Acq On : 5 Dec 2024 2:56 pm
Operator : Dakota:ek
Sample : WG2005369-5,32,,HNY
Misc : WG2005564,WG2005369,ical21680
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 06 19:55:16 2024
Quant Method : I:\8270\Dakota\241205RVT\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 07:46:19 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP91205.D•

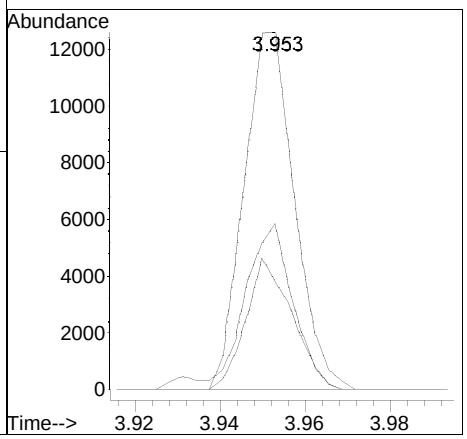


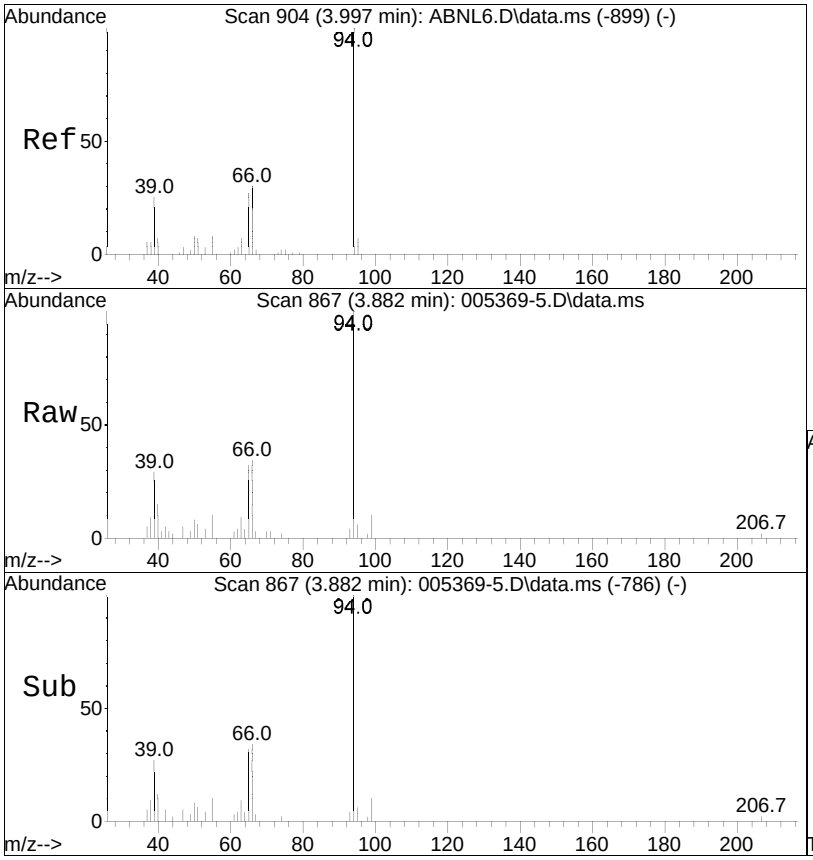


#6
2-Chlorophenol
Concen: 1.66 ug/ml
RT: 3.953 min Scan# 890
Delta R.T. 0.003 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:128 Resp: 10326

Ion	Ratio	Lower	Upper
128	100		
64	45.9	45.1	67.7
130	33.9	26.2	39.4

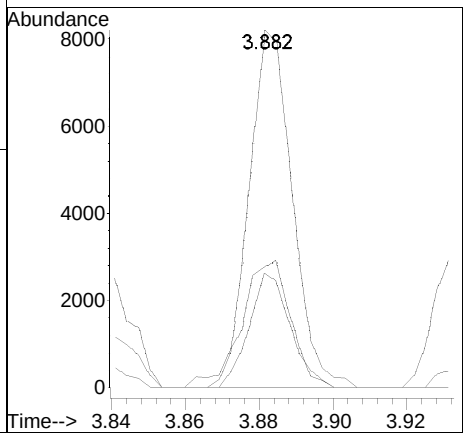


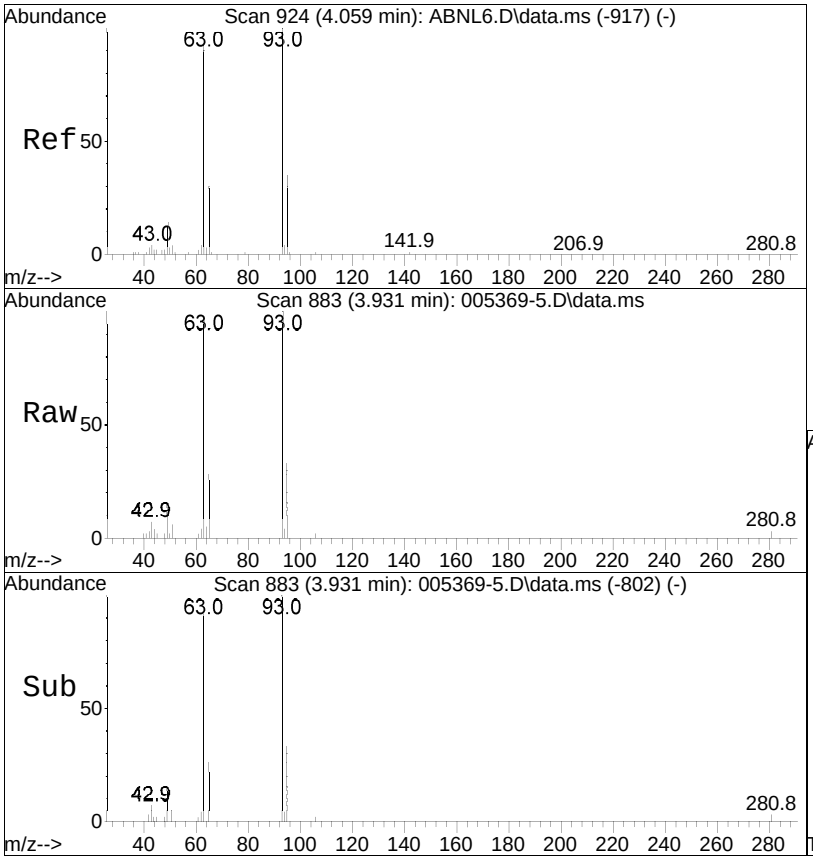


#8
Phenol
Concen: 0.92 ug/ml
RT: 3.882 min Scan# 867
Delta R.T. 0.003 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion: 94 Resp: 6661

Ion	Ratio	Lower	Upper
94	100		
65	30.7	26.0	39.0
66	40.4	33.8	50.8

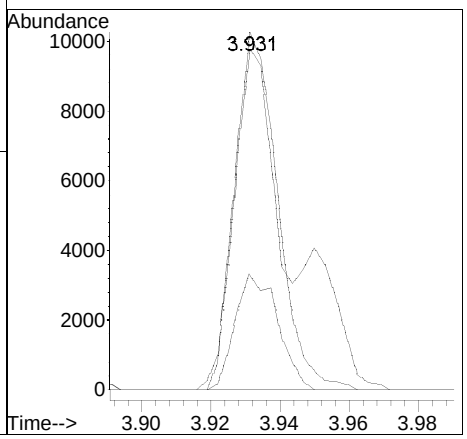


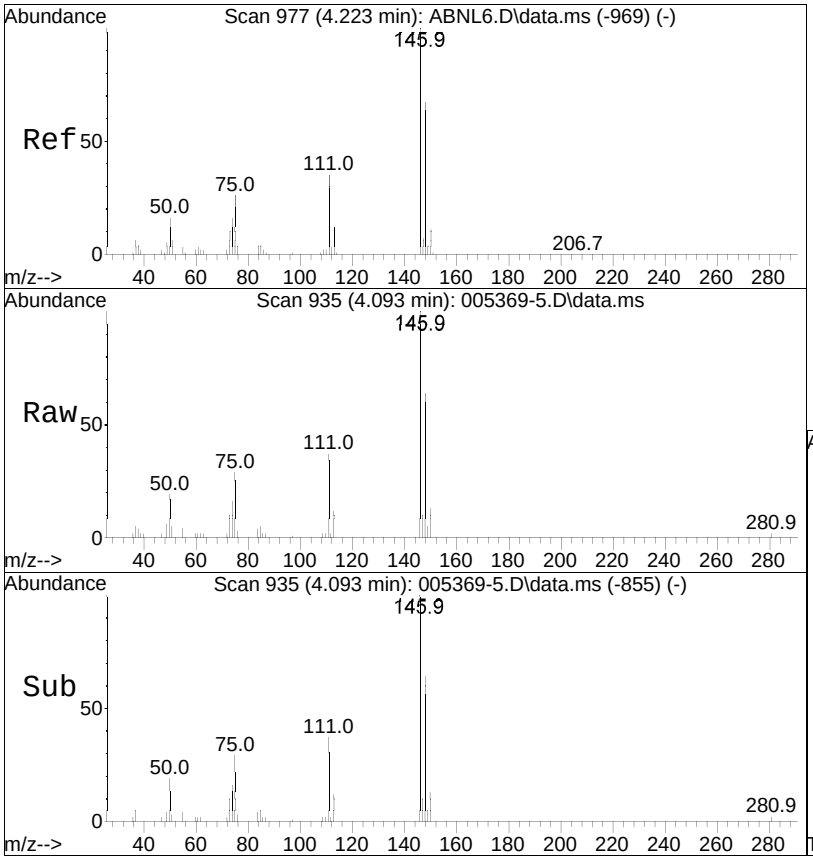


#9
Bis(2-chloroethyl)ether
Concen: 1.71 ug/ml
RT: 3.931 min Scan# 883
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion: 93 Resp: 8873

Ion	Ratio	Lower	Upper
93	100		
63	91.9	74.6	111.8
95	32.0	25.9	38.9

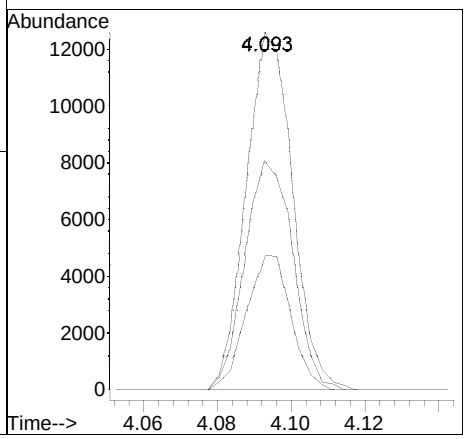


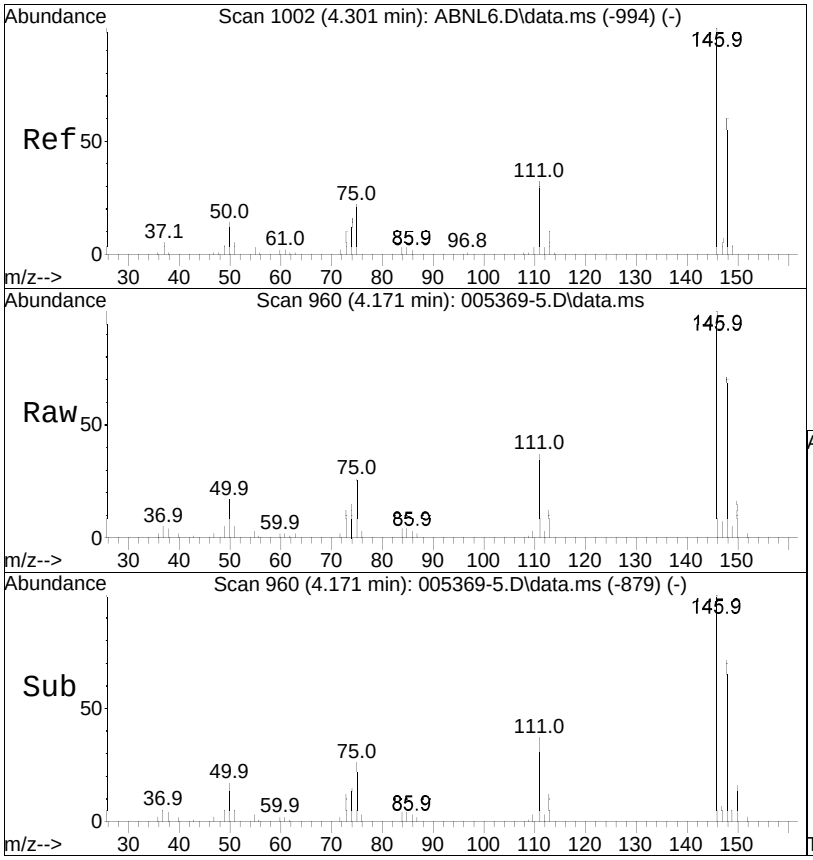


#10
1,3-Dichlorobenzene
Concen: 1.36 ug/ml
RT: 4.093 min Scan# 935
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:146 Resp: 10947

Ion	Ratio	Lower	Upper
146	100		
111	36.3	34.3	51.5
148	66.4	50.8	76.2

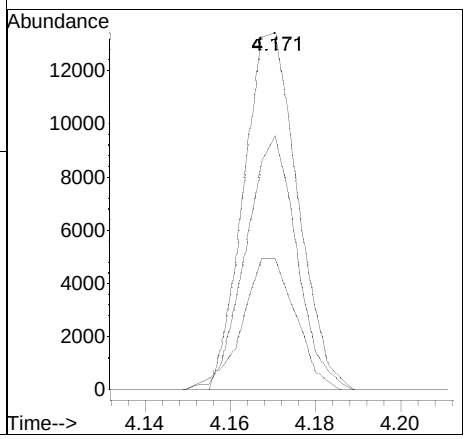


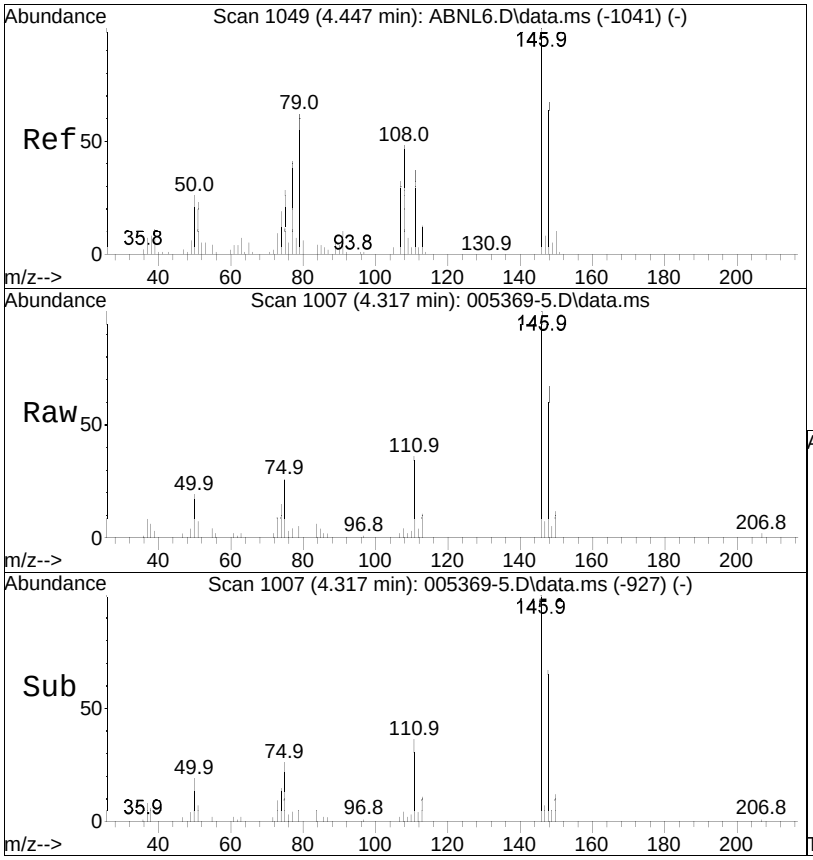


#11
1,4-Dichlorobenzene
Concen: 1.43 ug/ml
RT: 4.171 min Scan# 960
Delta R.T. 0.003 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:146 Resp: 11745

Ion	Ratio	Lower	Upper
146	100		
148	67.3	50.7	76.1
111	36.8	33.4	50.0

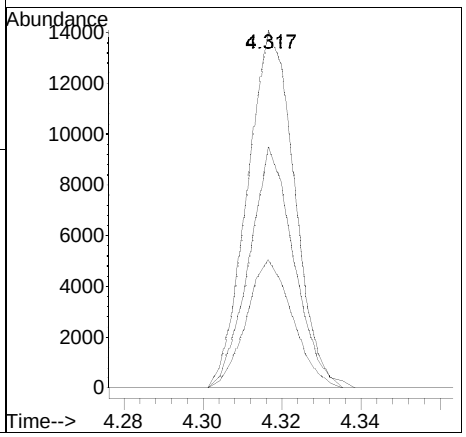


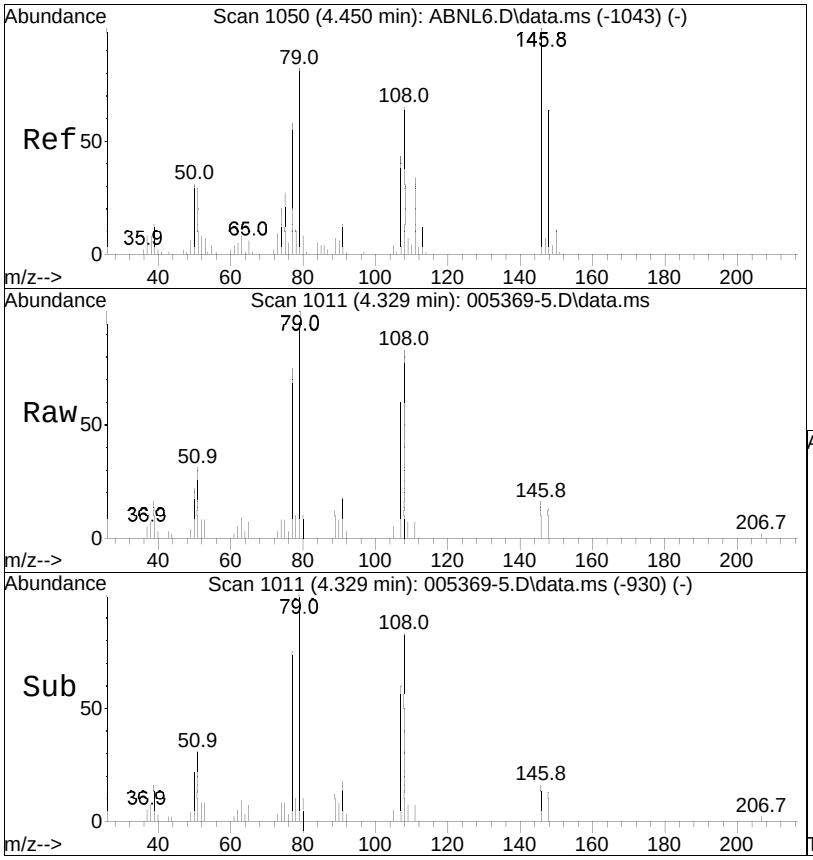


#12
1,2-Dichlorobenzene
Concen: 1.49 ug/ml
RT: 4.317 min Scan# 1007
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:146 Resp: 11625

Ion	Ratio	Lower	Upper
146	100		
111	35.2	34.6	52.0
148	63.6	50.2	75.4

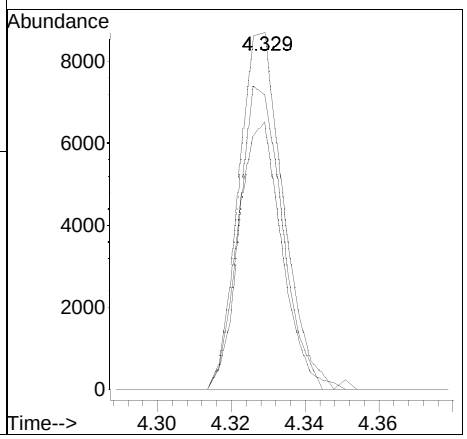


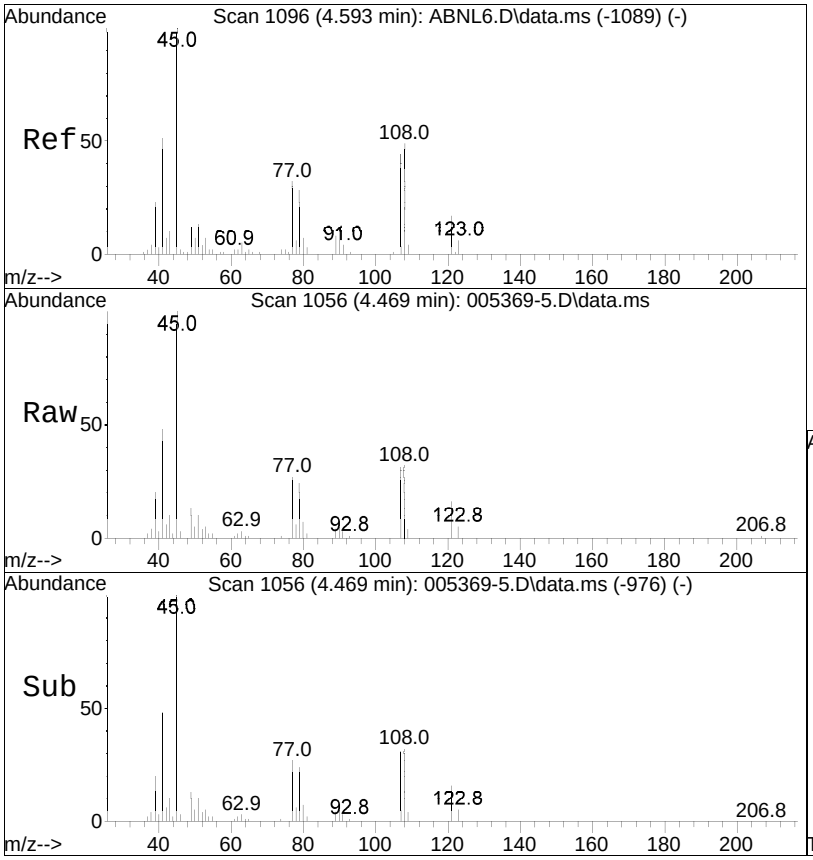


#13
Benzyl alcohol
Concen: 1.54 ug/ml
RT: 4.329 min Scan# 1011
Delta R.T. 0.003 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion: 79 Resp: 7303

Ion	Ratio	Lower	Upper
79	100		
77	72.4	54.9	82.3
108	82.2	63.1	94.7

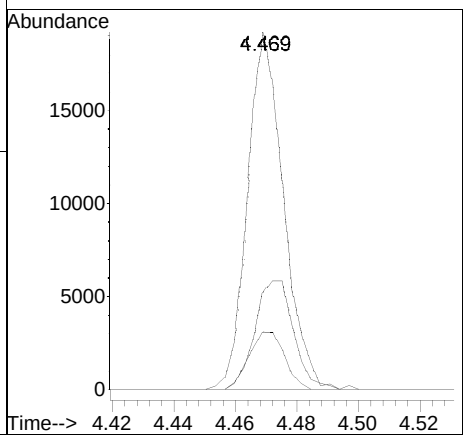


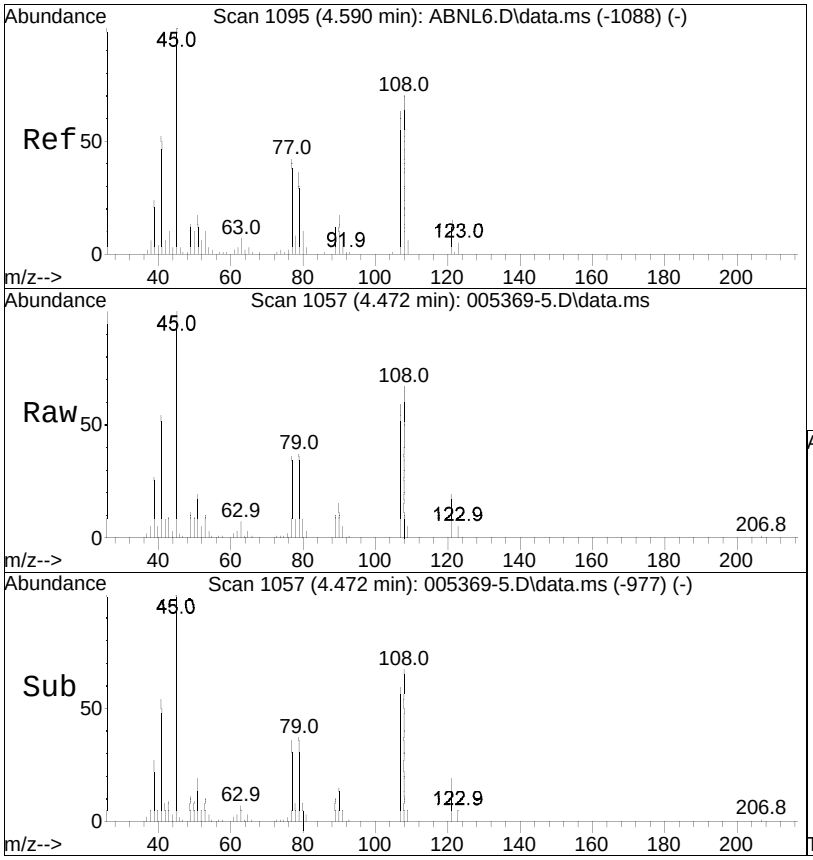


#14
Bis(2-chloroisopropyl)ether
Concen: 1.70 ug/ml
RT: 4.469 min Scan# 1056
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion: 45 Resp: 15517

Ion	Ratio	Lower	Upper
45	100		
121	16.1	9.8	14.6#
77	32.9	6.1	9.1#

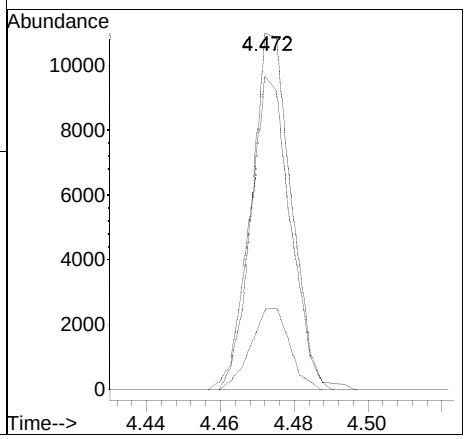


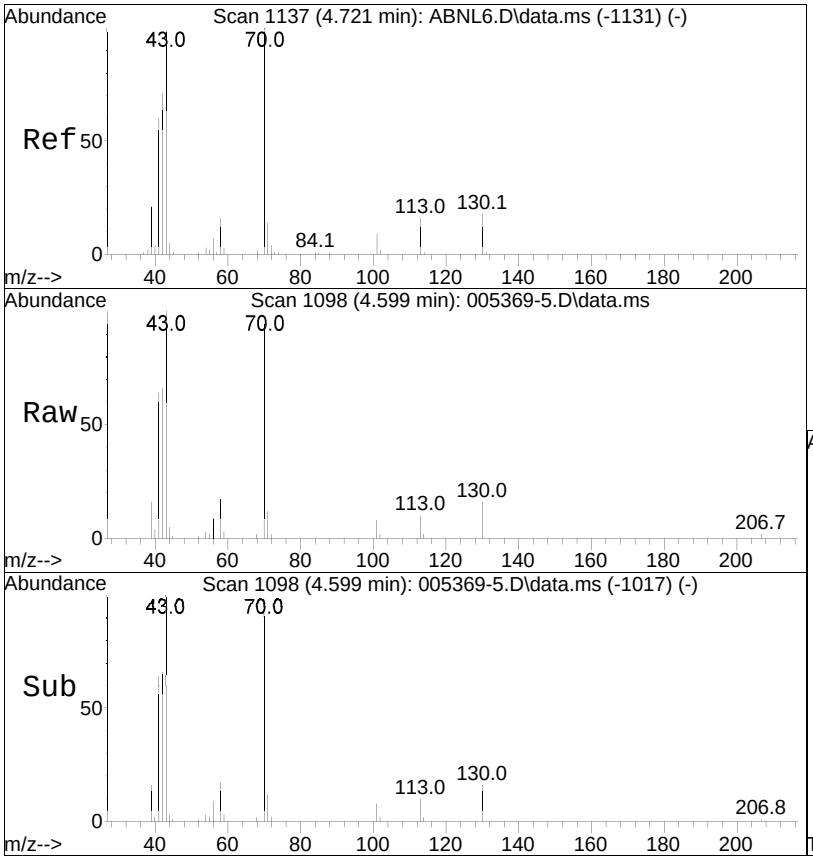


#15
2-Methylphenol
Concen: 1.51 ug/ml
RT: 4.472 min Scan# 1057
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:108 Resp: 8293

Ion	Ratio	Lower	Upper
108	100		
107	85.8	70.7	106.1
90	22.1	18.7	28.1

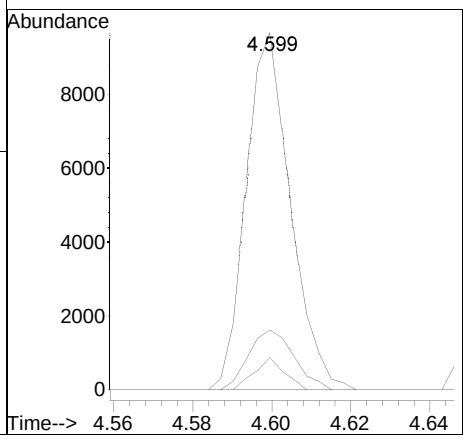


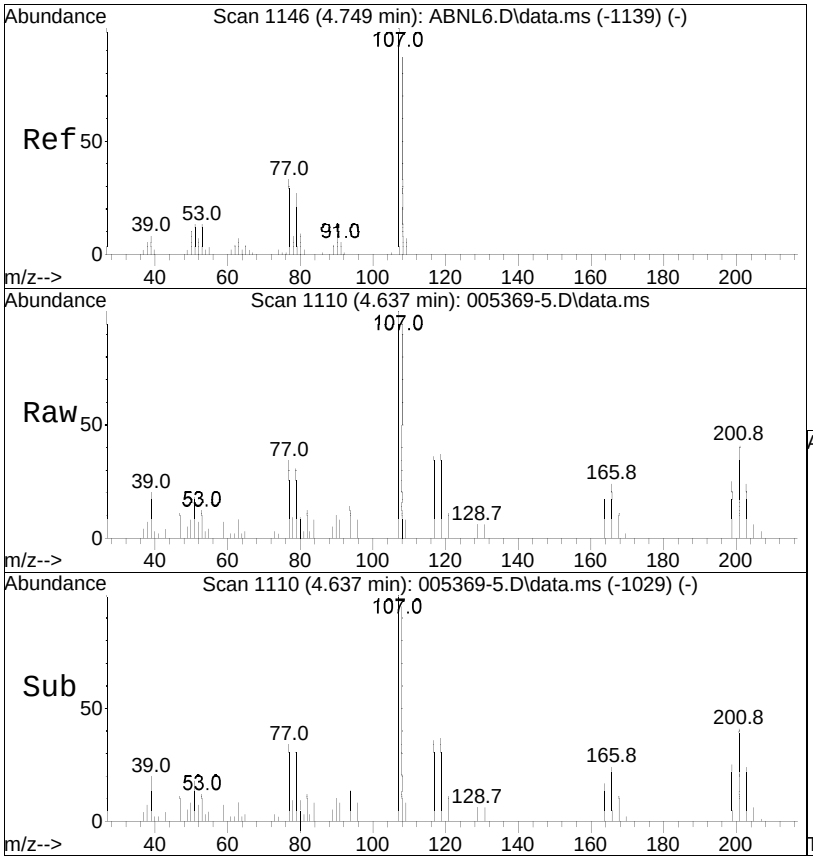


#17
n-Nitrosodi-n-propylamine
Concen: 1.71 ug/ml
RT: 4.599 min Scan# 1098
Delta R.T. 0.003 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion: 70 Resp: 7503

Ion	Ratio	Lower	Upper
70	100		
130	17.1	18.2	27.4#
101	0.0	7.8	11.8#

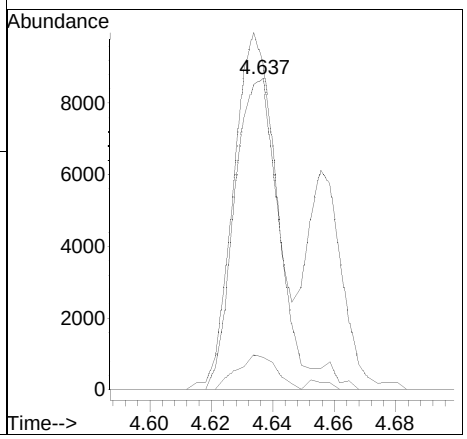


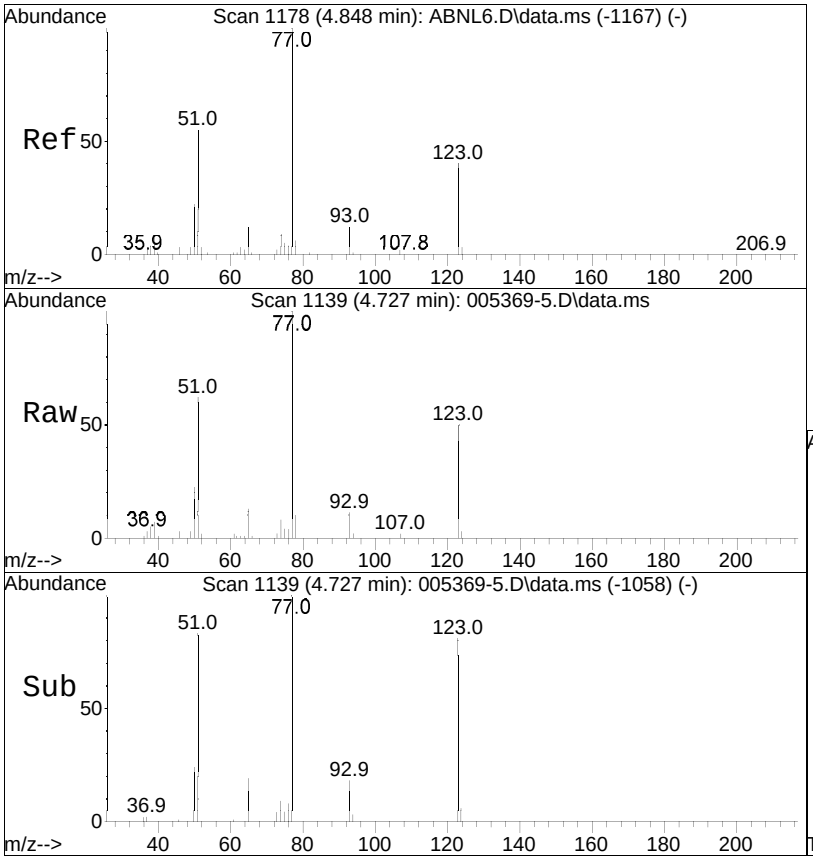


#18
3-Methylphenol/4-Methylphenol
Concen: 1.49 ug/ml
RT: 4.637 min Scan# 1110
Delta R.T. 0.003 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:108 Resp: 8973

Ion	Ratio	Lower	Upper
108	100		
107	106.5	88.6	132.8
90	9.7	8.8	13.2

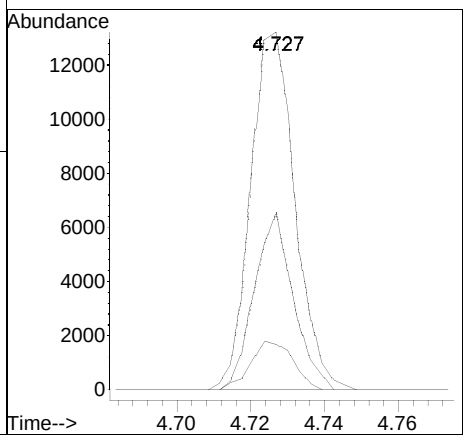


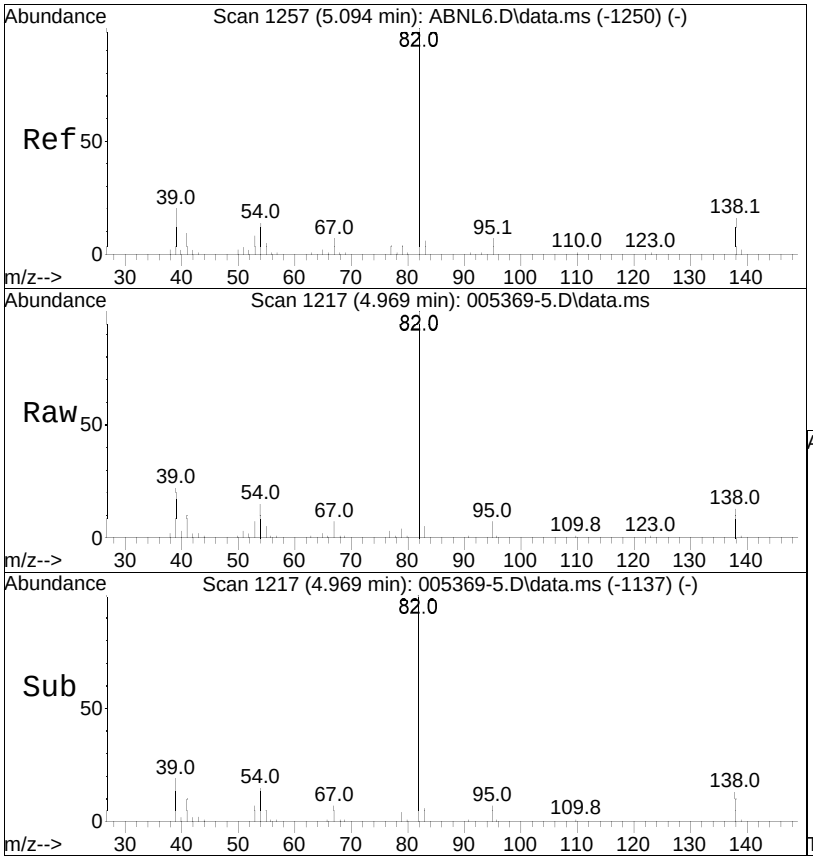


#20
Nitrobenzene
Concen: 1.76 ug/ml
RT: 4.727 min Scan# 1139
Delta R.T. 0.003 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion: 77 Resp: 10958

Ion	Ratio	Lower	Upper
77	100		
123	43.5	36.3	54.5
65	13.1	11.6	17.4

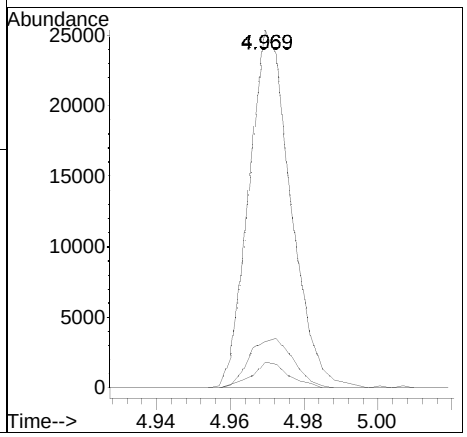


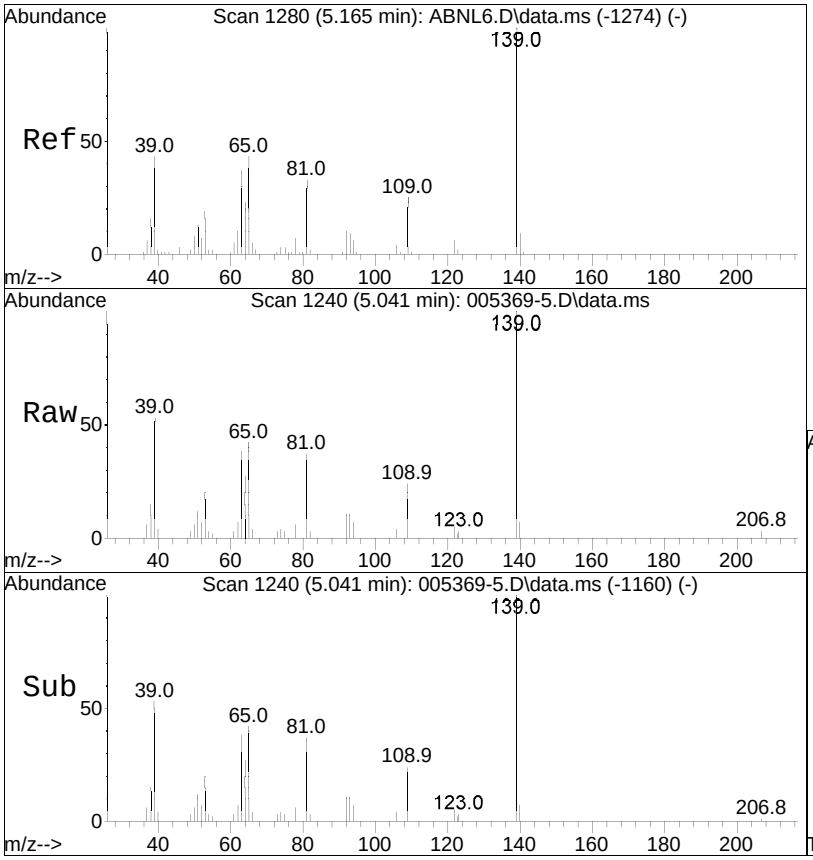


#21
Isophorone
Concen: 1.73 ug/ml
RT: 4.969 min Scan# 1217
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion: 82 Resp: 19812

Ion	Ratio	Lower	Upper
82	100		
138	14.5	14.7	22.1#
95	6.5	5.2	7.8

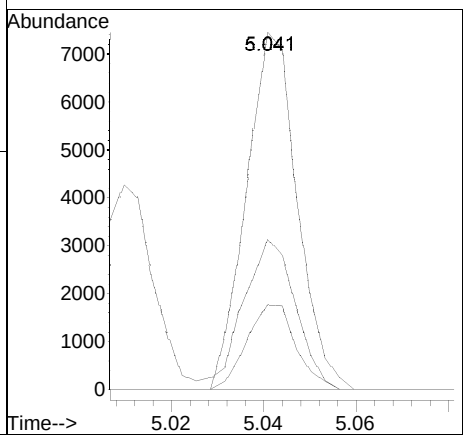


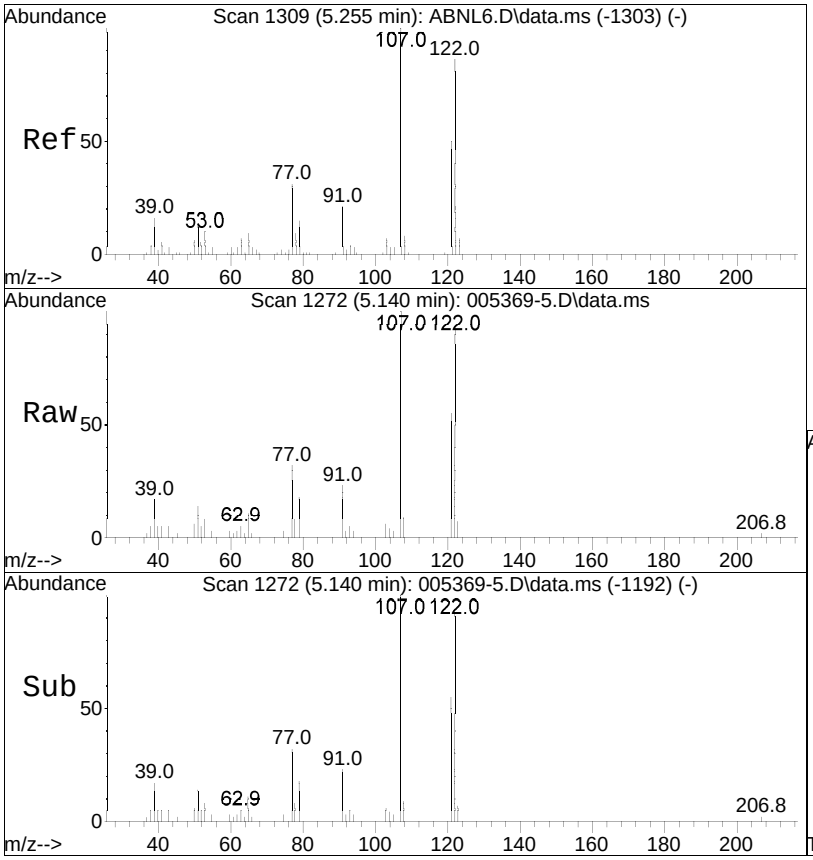


#22
2-Nitrophenol
Concen: 1.81 ug/ml
RT: 5.041 min Scan# 1240
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:139 Resp: 5710

Ion	Ratio	Lower	Upper
139	100		
109	23.0	19.4	29.0
65	43.2	46.1	69.1#

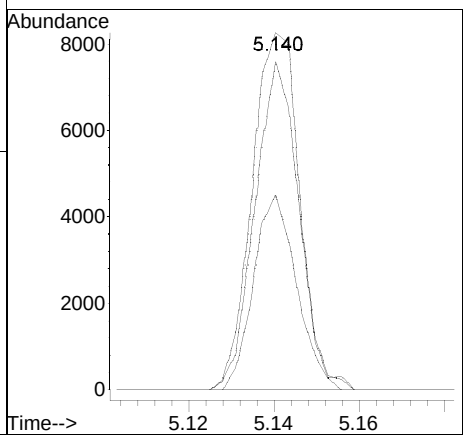


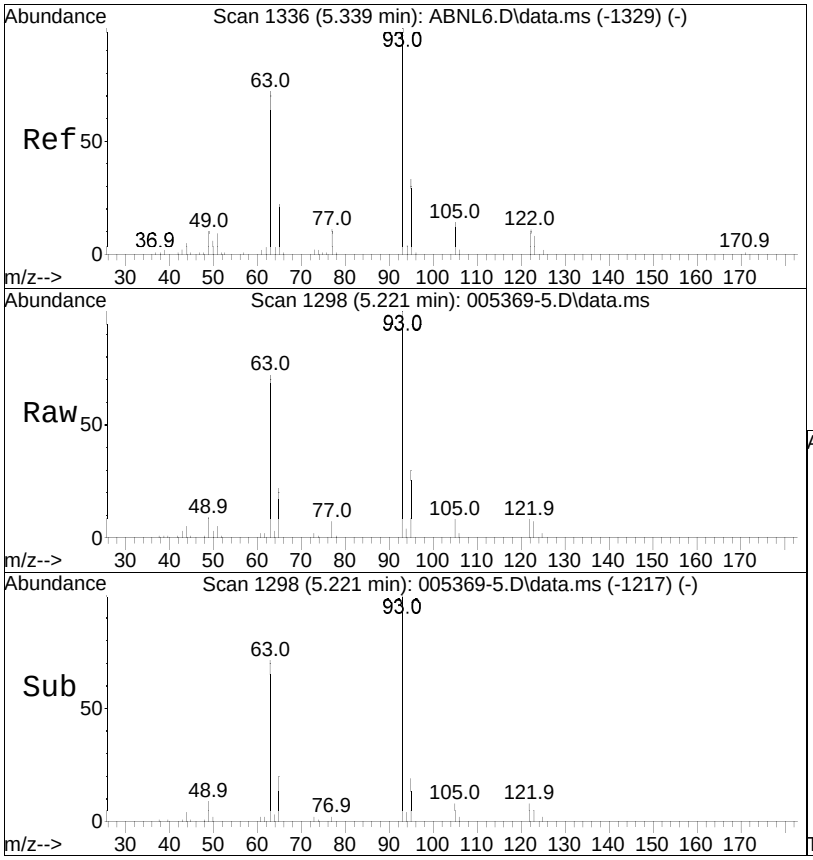


#23
2,4-Dimethylphenol
Concen: 1.14 ug/ml
RT: 5.140 min Scan# 1272
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:107 Resp: 6389

Ion	Ratio	Lower	Upper
107	100		
121	49.3	40.0	60.0
122	84.8	70.2	105.4

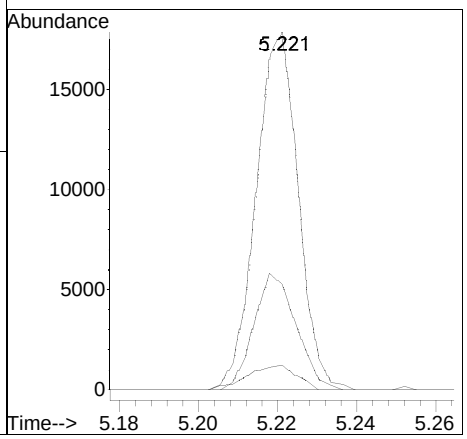


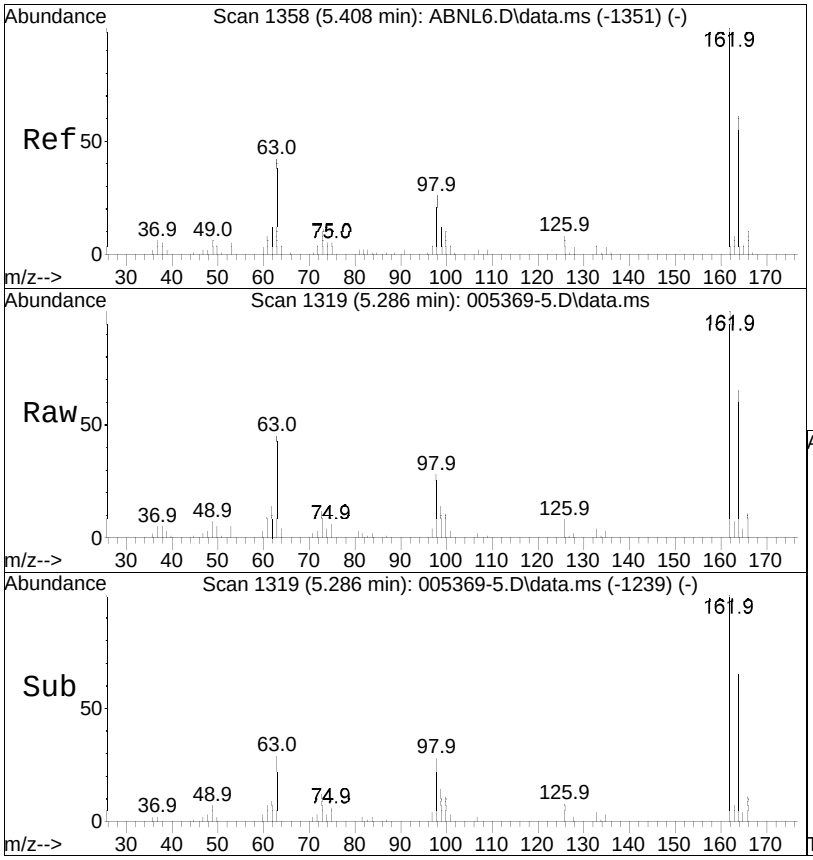


#24
Bis(2-chloroethoxy)methane
Concen: 1.84 ug/ml
RT: 5.221 min Scan# 1298
Delta R.T. 0.003 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion: 93 Resp: 13084

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.8
123	8.2	10.1	15.1#

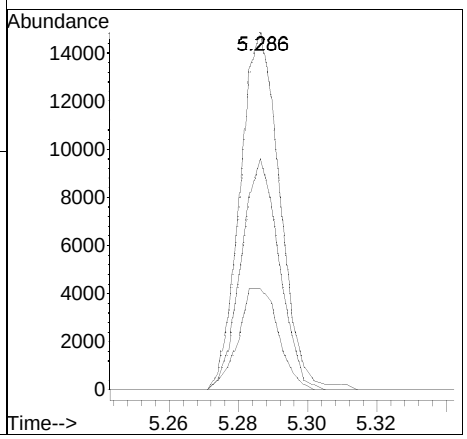


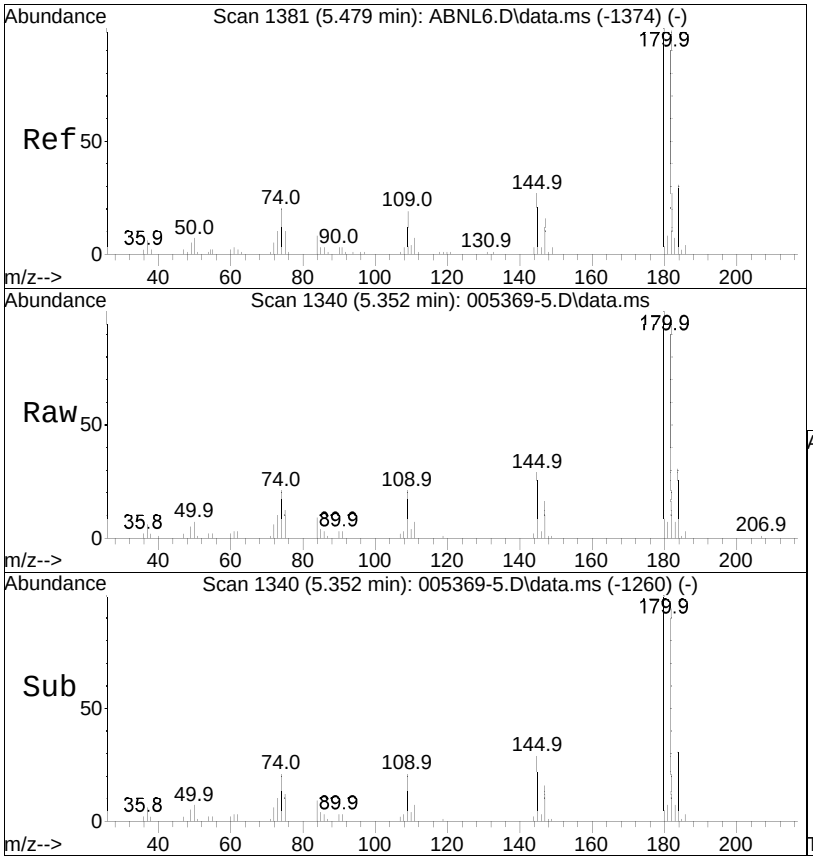


#25
2,4-Dichlorophenol
Concen: 1.80 ug/ml
RT: 5.286 min Scan# 1319
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:162 Resp: 11801

Ion	Ratio	Lower	Upper
162	100		
164	61.8	51.0	76.4
98	28.6	32.2	48.2#

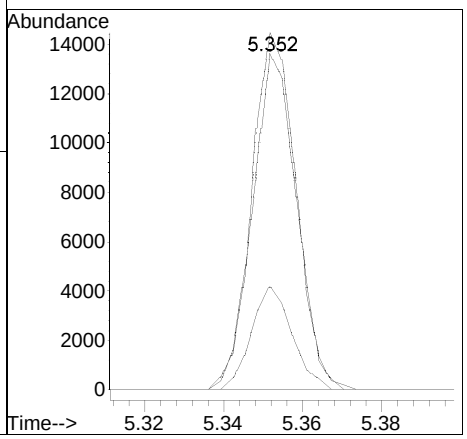


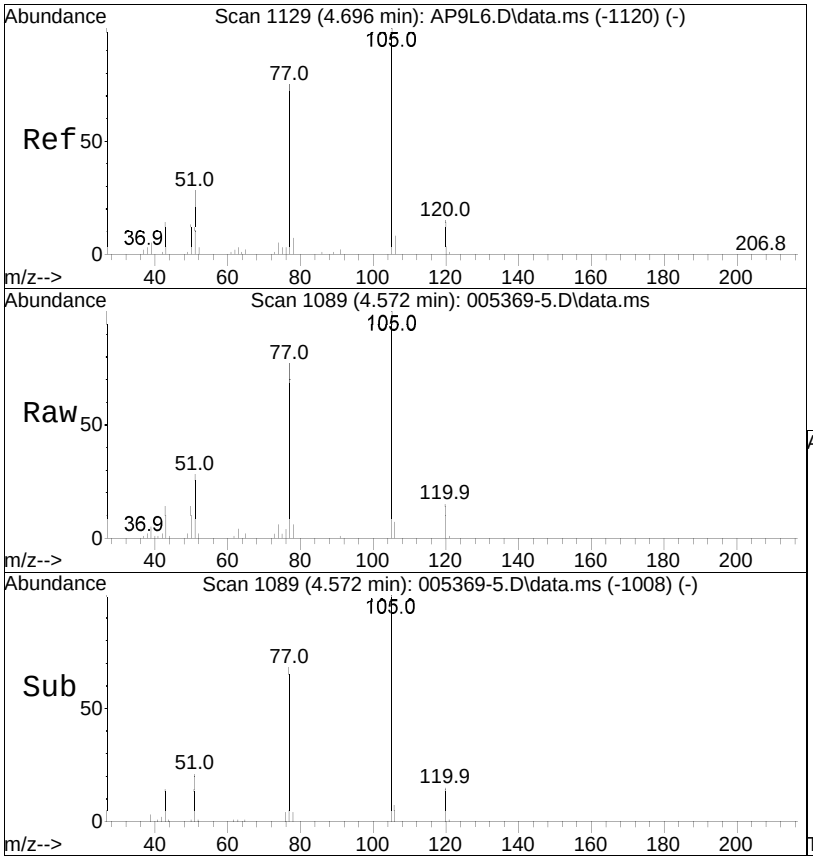


#26
1,2,4-Trichlorobenzene
Concen: 1.42 ug/ml
RT: 5.352 min Scan# 1340
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:180 Resp: 11232

Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.0	114.0
145	26.6	25.7	38.5

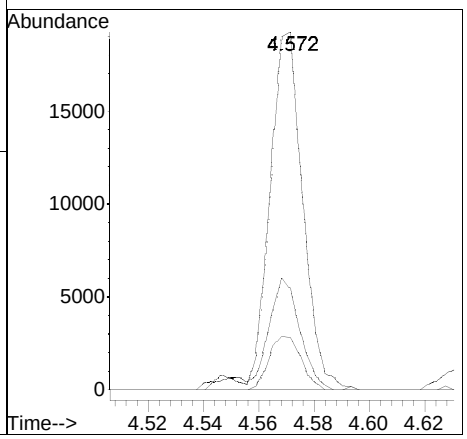


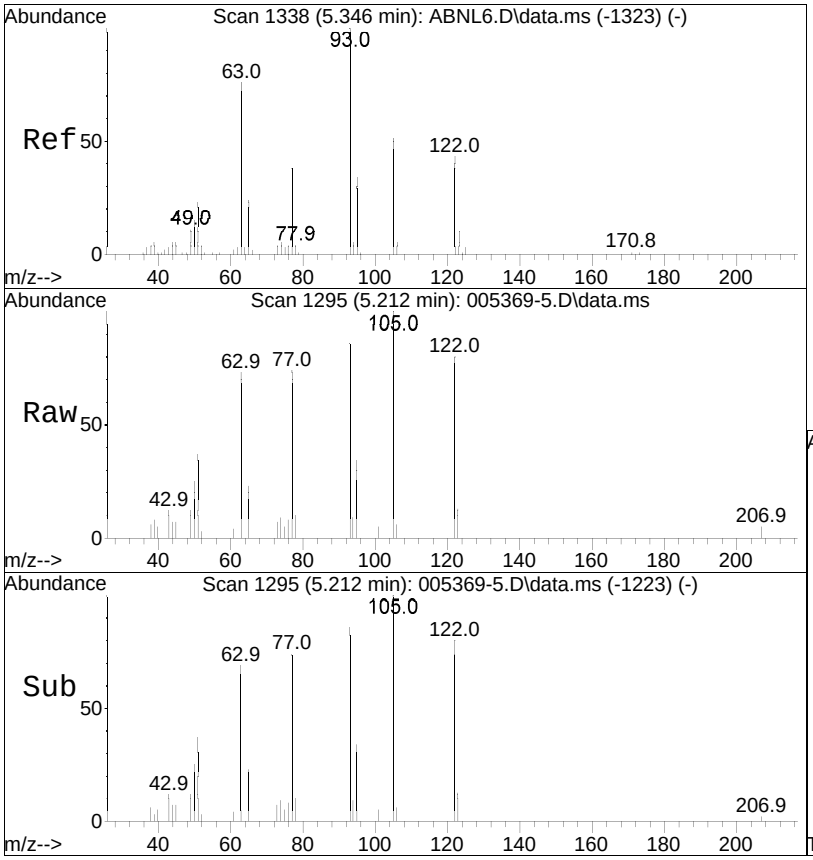


#29
Acetophenone
Concen: 2.24 ug/ml
RT: 4.572 min Scan# 1089
Delta R.T. 0.003 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:105 Resp: 15992

Ion	Ratio	Lower	Upper
105	100		
120	14.5	20.5	30.7#
51	28.9	34.9	52.3#

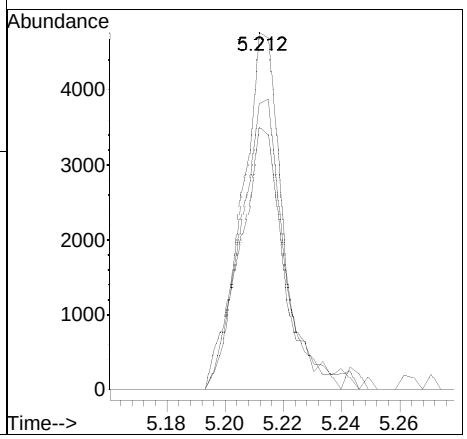


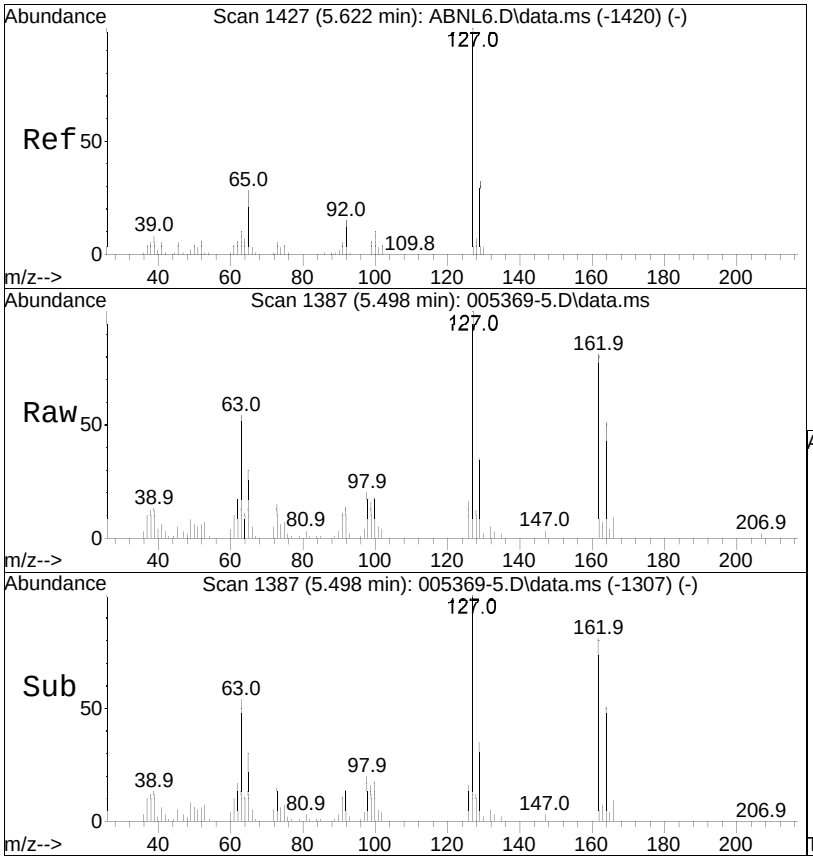


#39
Benzoic Acid
Concen: 1.09 ug/ml
RT: 5.212 min Scan# 1295
Delta R.T. -0.025 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:105 Resp: 4764

Ion	Ratio	Lower	Upper
105	100		
122	85.0	59.9	89.9
77	76.4	60.1	90.1

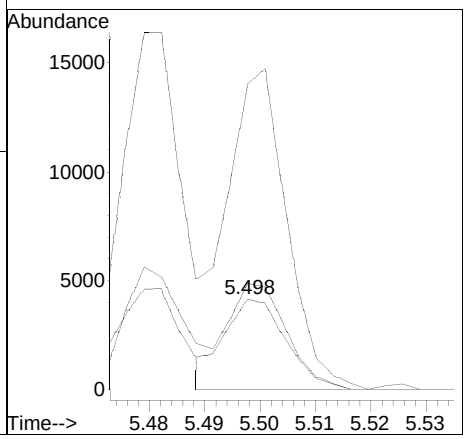


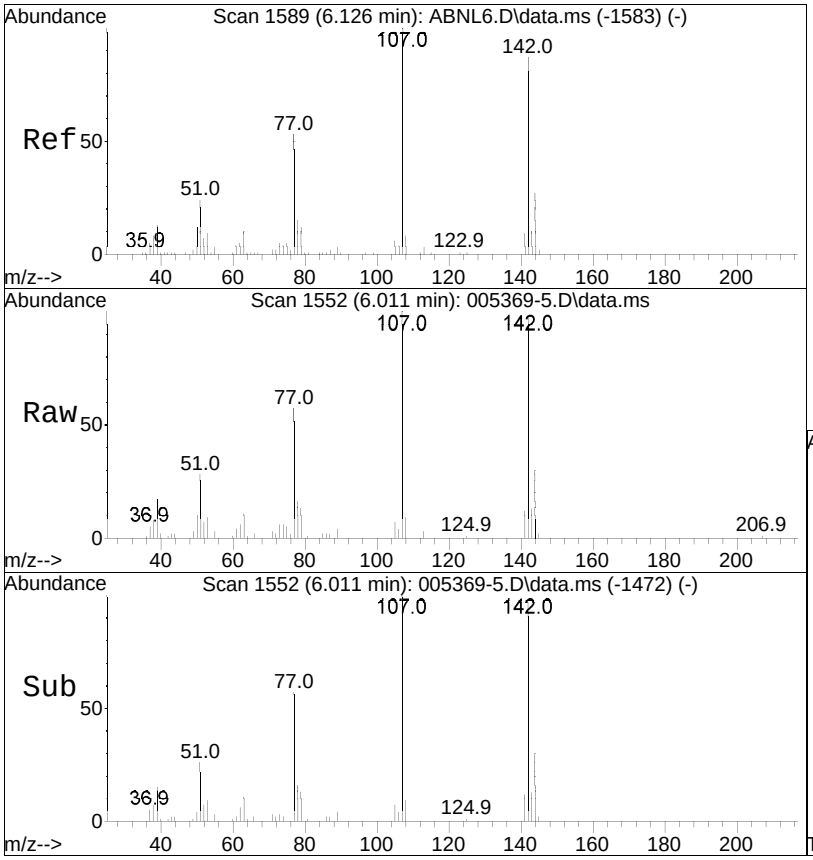


#40
4-Chloroaniline
Concen: 1.40 ug/ml
RT: 5.498 min Scan# 1387
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion: 65 Resp: 3250

Ion	Ratio	Lower	Upper
65	100		
127	343.9	237.6	356.4
129	105.4	76.3	114.5

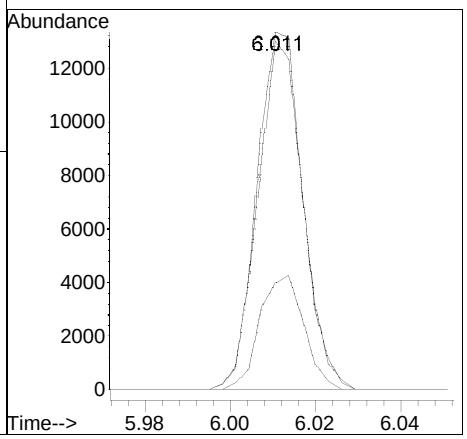


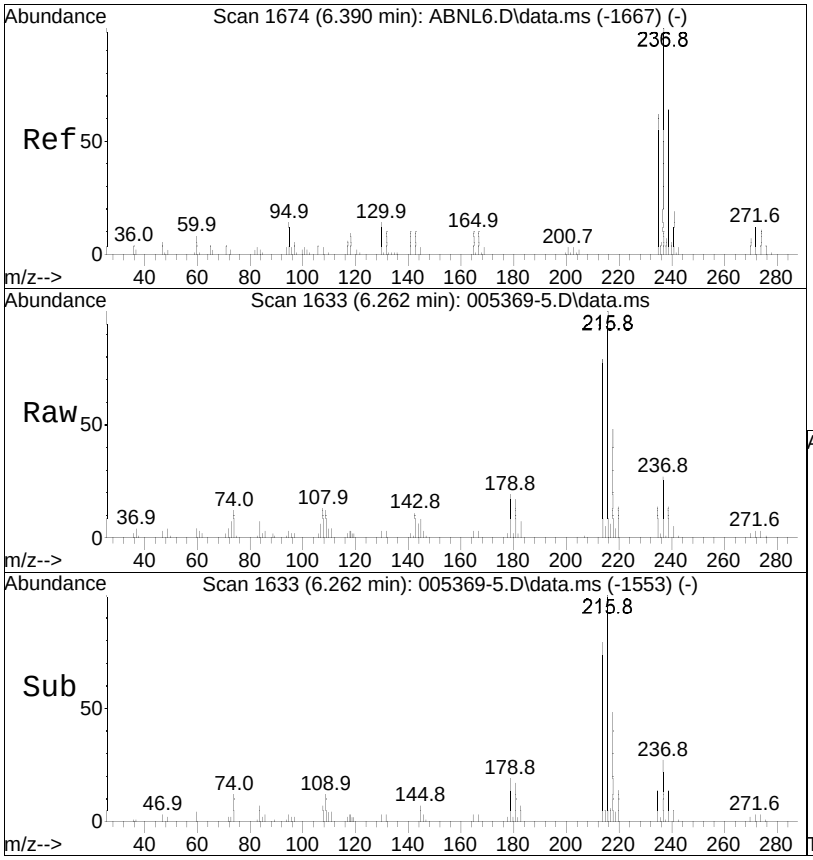


#42
p-Chloro-m-cresol
Concen: 1.79 ug/ml
RT: 6.011 min Scan# 1552
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:107 Resp: 9926

Ion	Ratio	Lower	Upper
107	100		
144	30.7	20.9	31.3
142	95.5	66.1	99.1

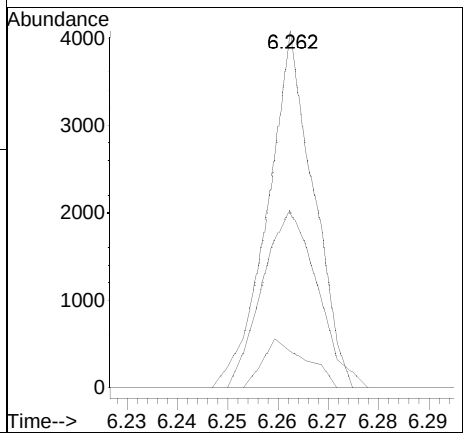


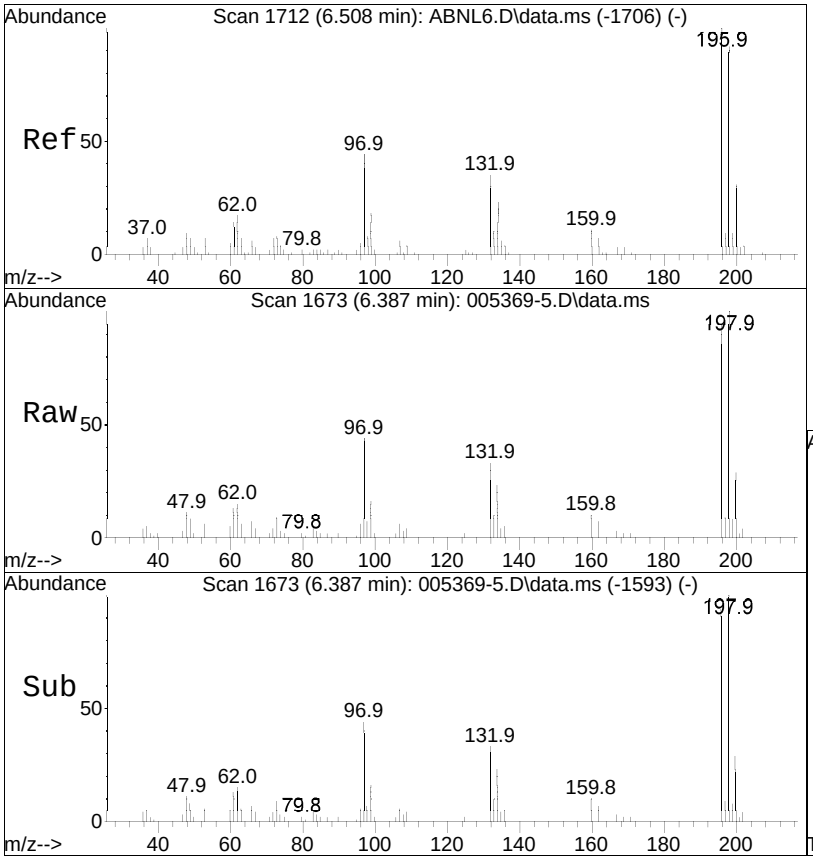


#45
Hexachlorocyclopentadiene
Concen: 0.49 ug/ml
RT: 6.262 min Scan# 1633
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:237 Resp: 2577

Ion	Ratio	Lower	Upper
237	100		
235	59.9	49.7	74.5
272	0.0	9.8	14.6#

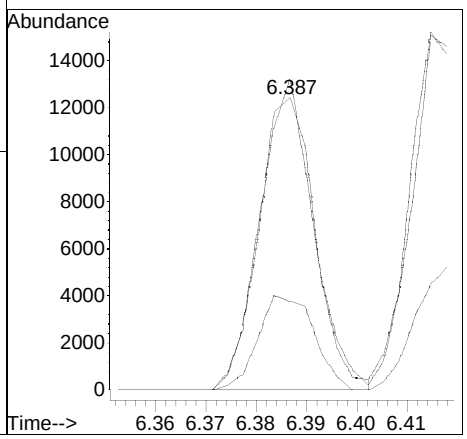


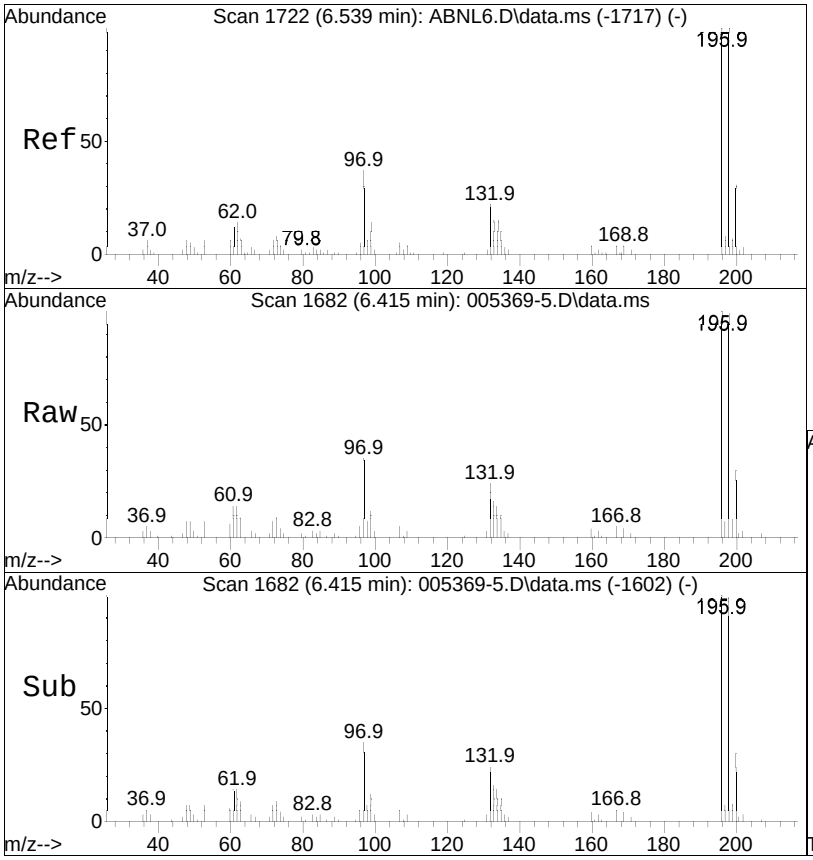


#46
2,4,6-Trichlorophenol
Concen: 1.76 ug/ml
RT: 6.387 min Scan# 1673
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:196 Resp: 9648

Ion	Ratio	Lower	Upper
196	100		
198	100.7	77.5	116.3
200	32.1	23.8	35.6

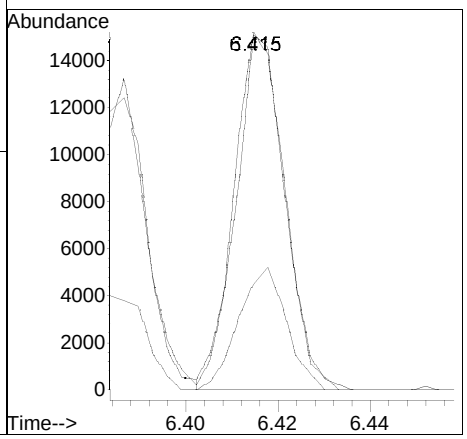


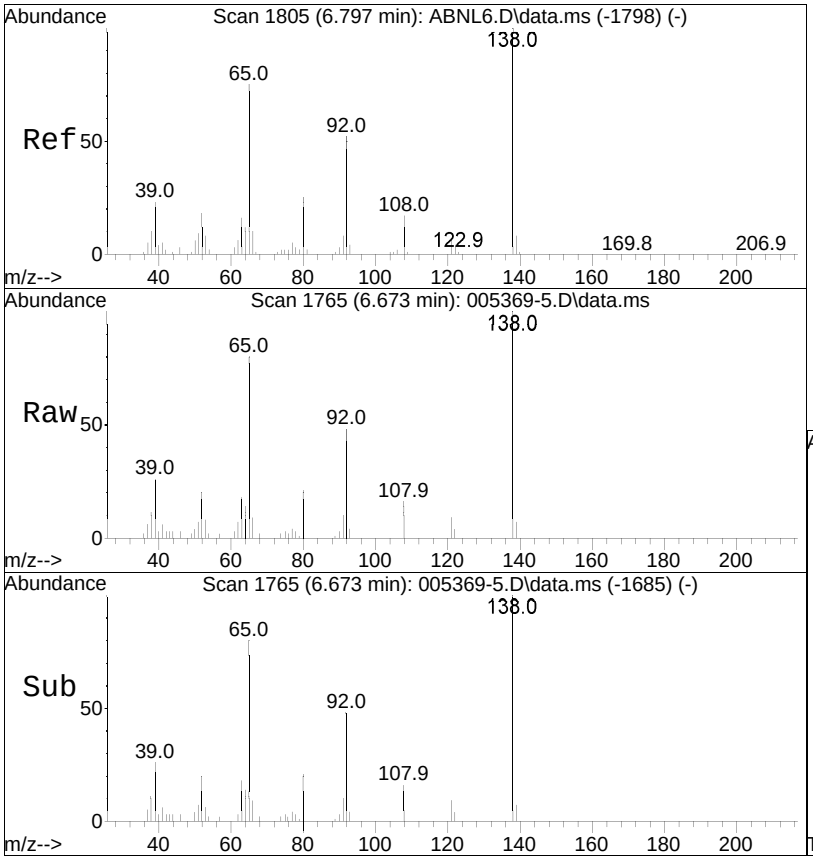


#47
2,4,5-Trichlorophenol
Concen: 1.89 ug/ml
RT: 6.415 min Scan# 1682
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:196 Resp: 11611

Ion	Ratio	Lower	Upper
196	100		
200	32.3	25.4	38.0
198	94.9	78.0	117.0

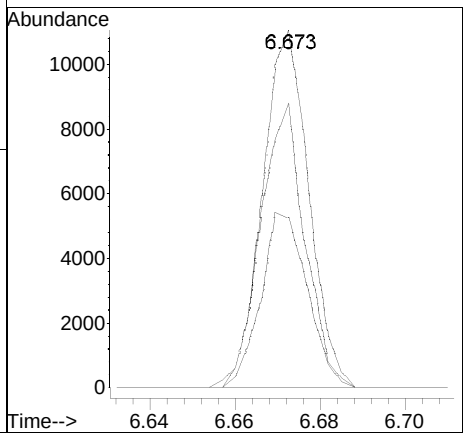


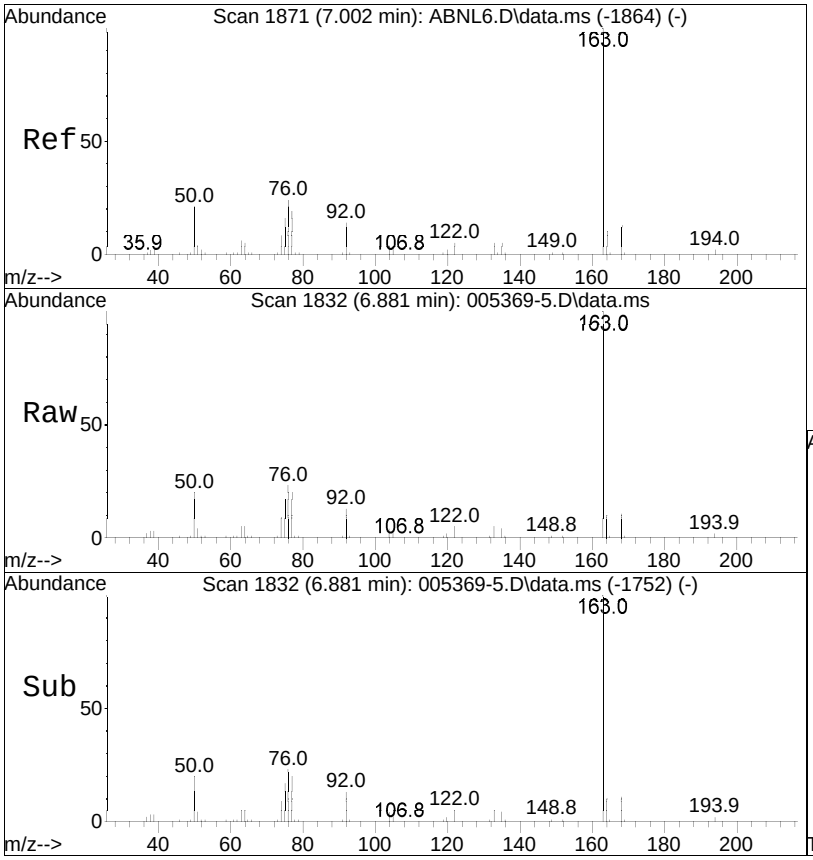


#50
2-Nitroaniline
Concen: 1.98 ug/ml
RT: 6.673 min Scan# 1765
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:138 Resp: 8296

Ion	Ratio	Lower	Upper
138	100		
92	49.3	53.5	80.3#
65	76.0	86.3	129.5#

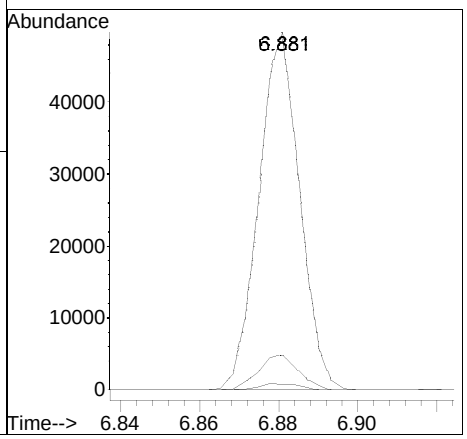


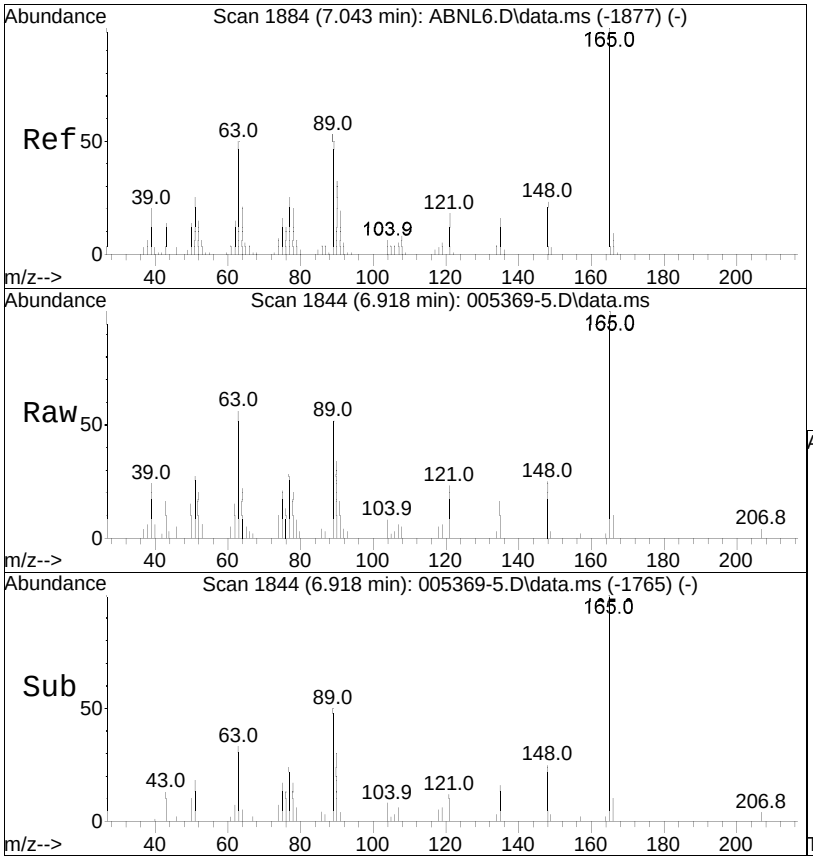


#53
Dimethyl phthalate
Concen: 1.86 ug/ml
RT: 6.881 min Scan# 1832
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:163 Resp: 35273

Ion	Ratio	Lower	Upper
163	100		
194	1.9	3.5	5.3#
164	9.8	7.9	11.9

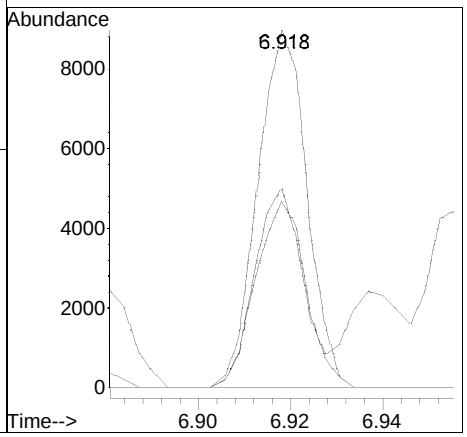


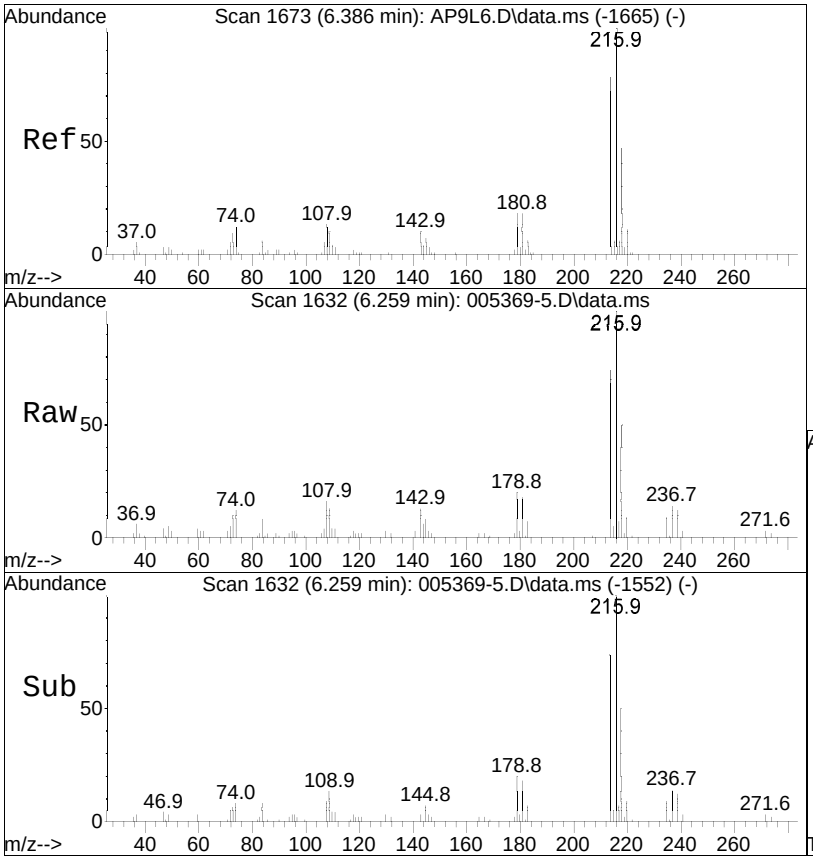


#55
2,6-Dinitrotoluene
Concen: 1.87 ug/ml
RT: 6.918 min Scan# 1844
Delta R.T. -0.003 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:165 Resp: 6628

Ion	Ratio	Lower	Upper
165	100		
89	53.5	54.2	81.2#
63	54.9	64.2	96.2#

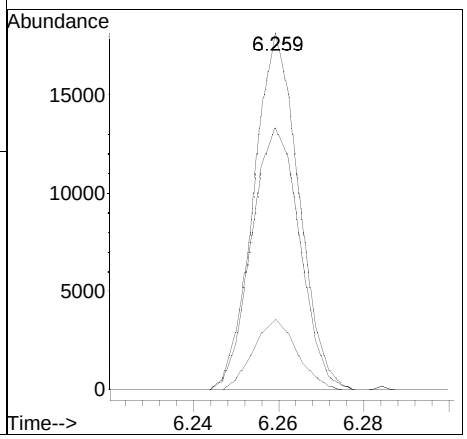


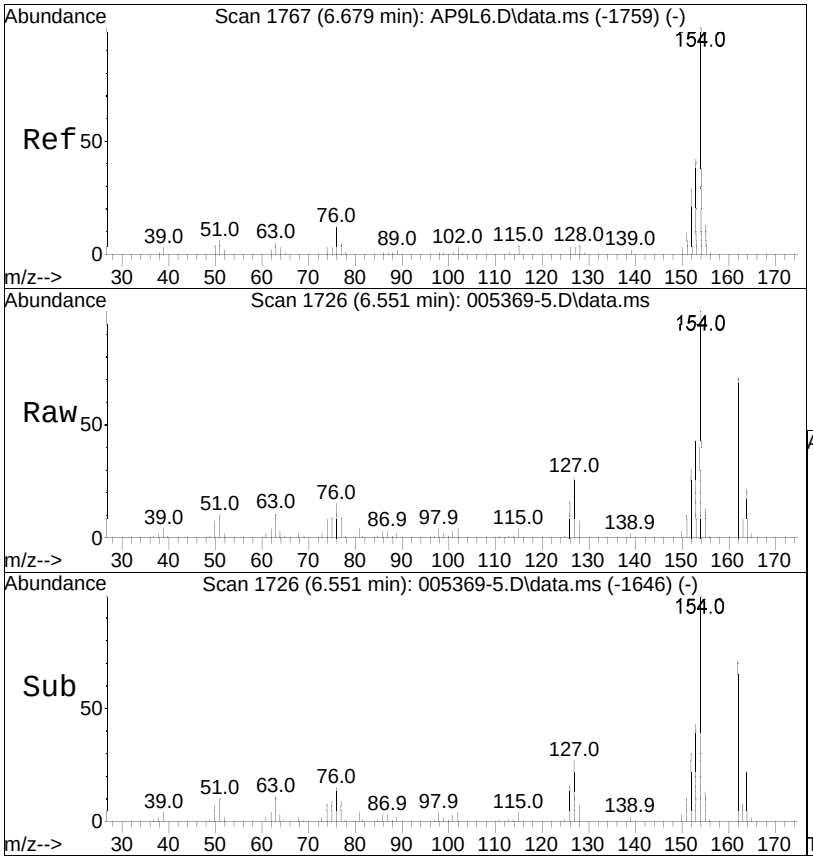


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.68 ug/ml
RT: 6.259 min Scan# 1632
Delta R.T. 0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:216 Resp: 13302

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.7	95.5
179	19.3	19.0	28.6

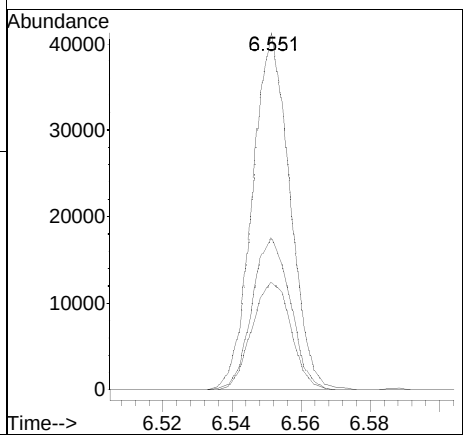


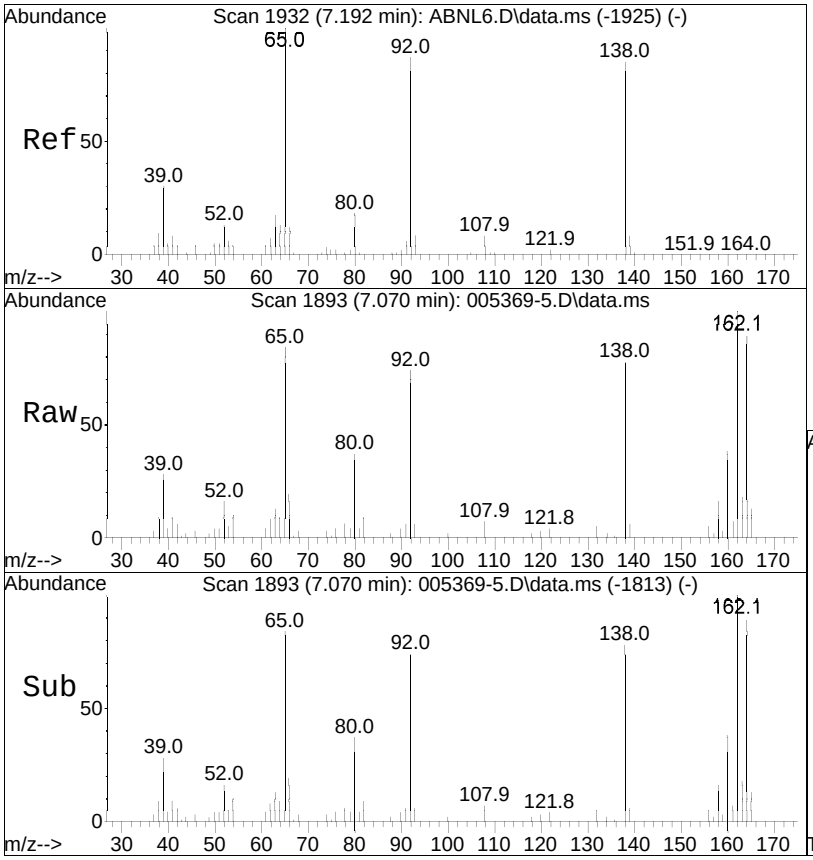


#64
Biphenyl
Concen: 1.91 ug/ml
RT: 6.551 min Scan# 1726
Delta R.T. 0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:154 Resp: 30787

Ion	Ratio	Lower	Upper
154	100		
153	43.5	32.3	48.5
152	31.6	22.5	33.7

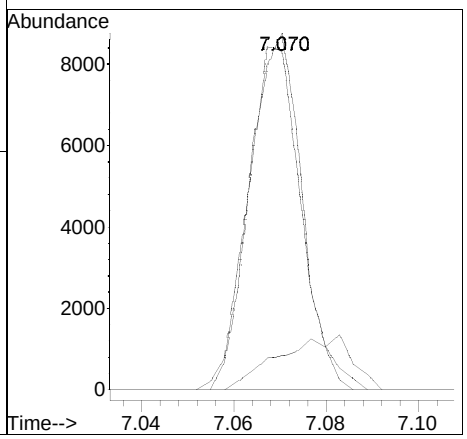


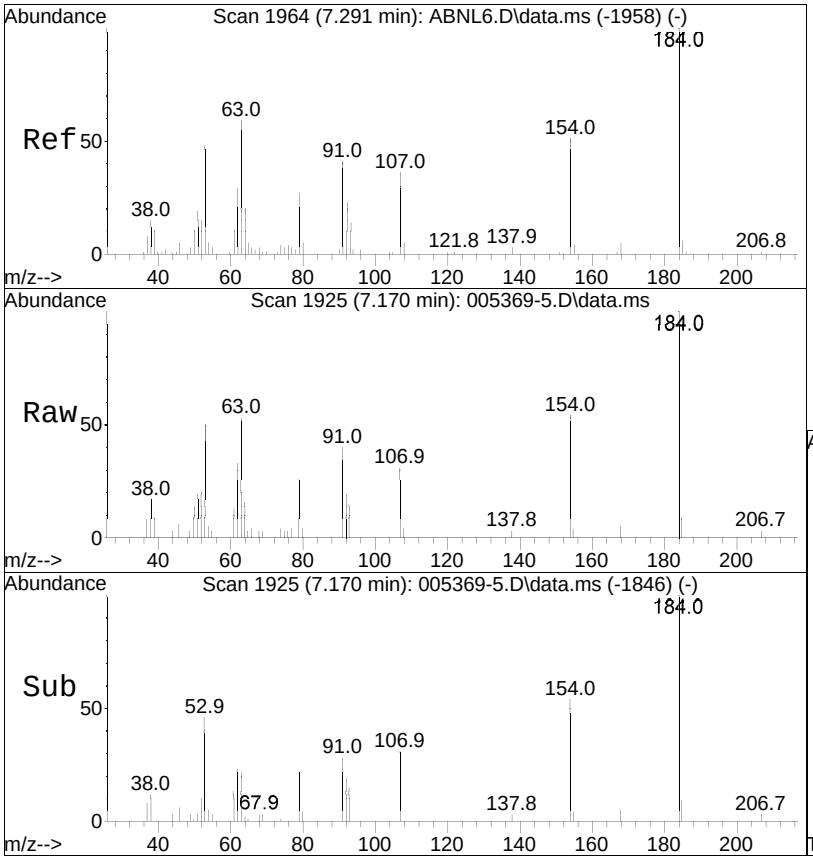


#66
3-Nitroaniline
Concen: 1.74 ug/ml
RT: 7.070 min Scan# 1893
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:138 Resp: 6754

Ion	Ratio	Lower	Upper
138	100		
92	100.7	93.4	140.2
108	21.8	9.5	14.3#

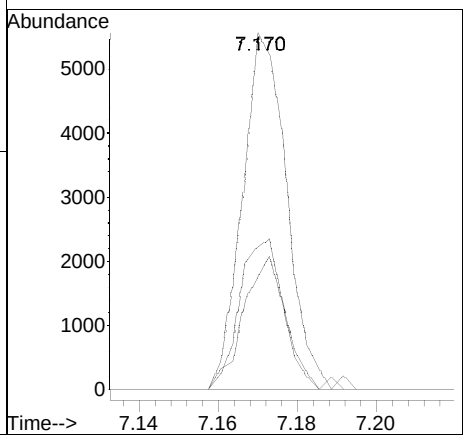


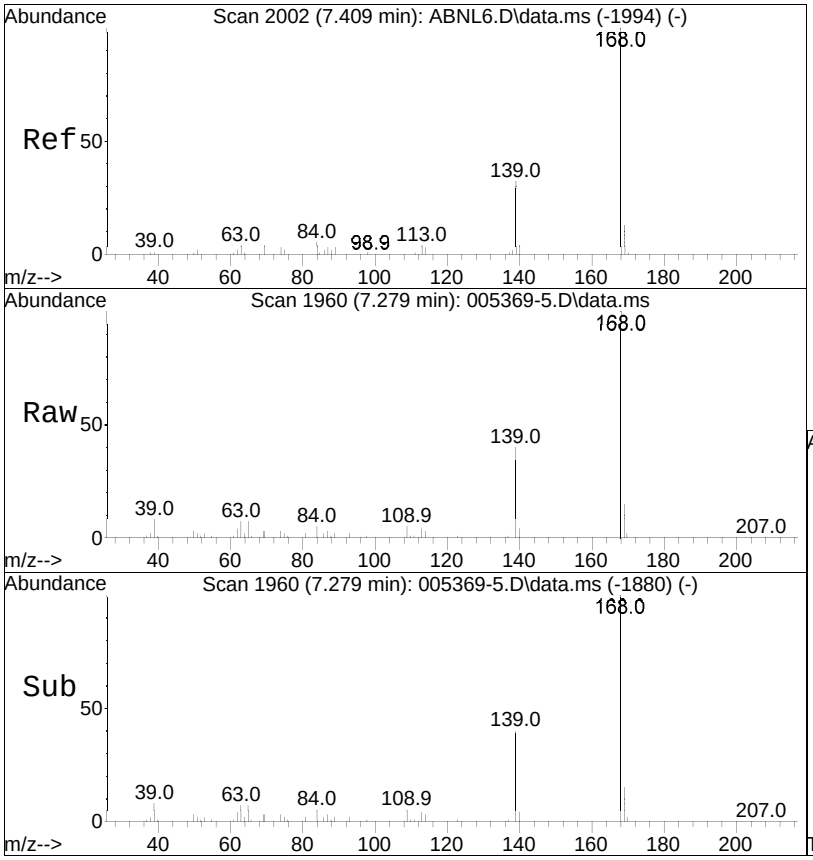


#68
2,4-Dinitrophenol
Concen: 1.83 ug/ml
RT: 7.170 min Scan# 1925
Delta R.T. -0.003 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:184 Resp: 4319

Ion	Ratio	Lower	Upper
184	100		
107	35.7	37.7	56.5#
91	42.2	46.3	69.5#

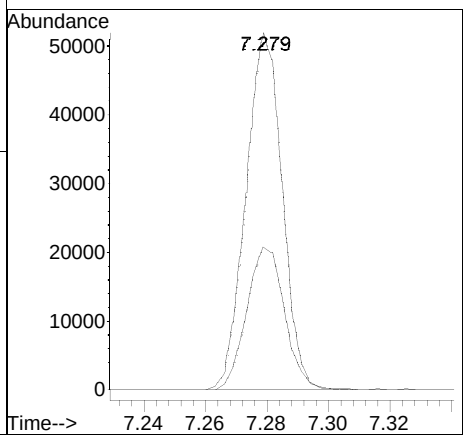


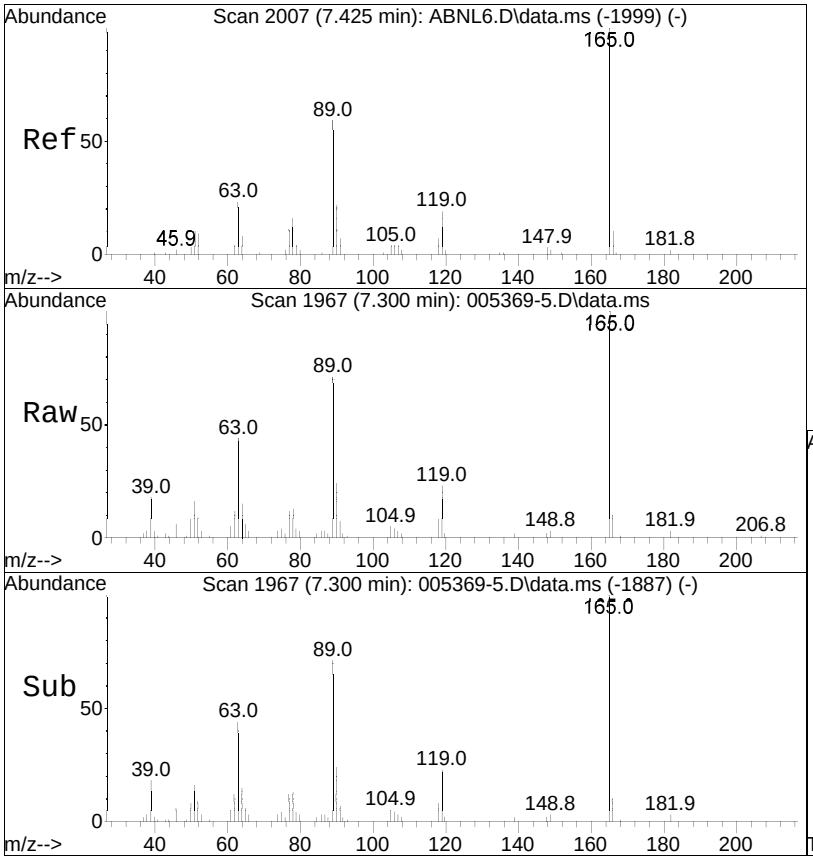


#69
Dibenzofuran
Concen: 1.67 ug/ml
RT: 7.279 min Scan# 1960
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:168 Resp: 42049

Ion	Ratio	Lower	Upper
168	100		
139	41.9	31.4	47.2

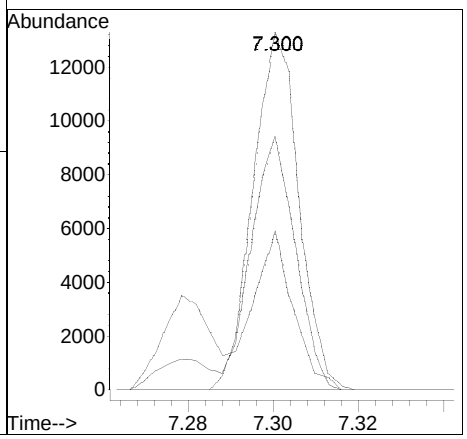


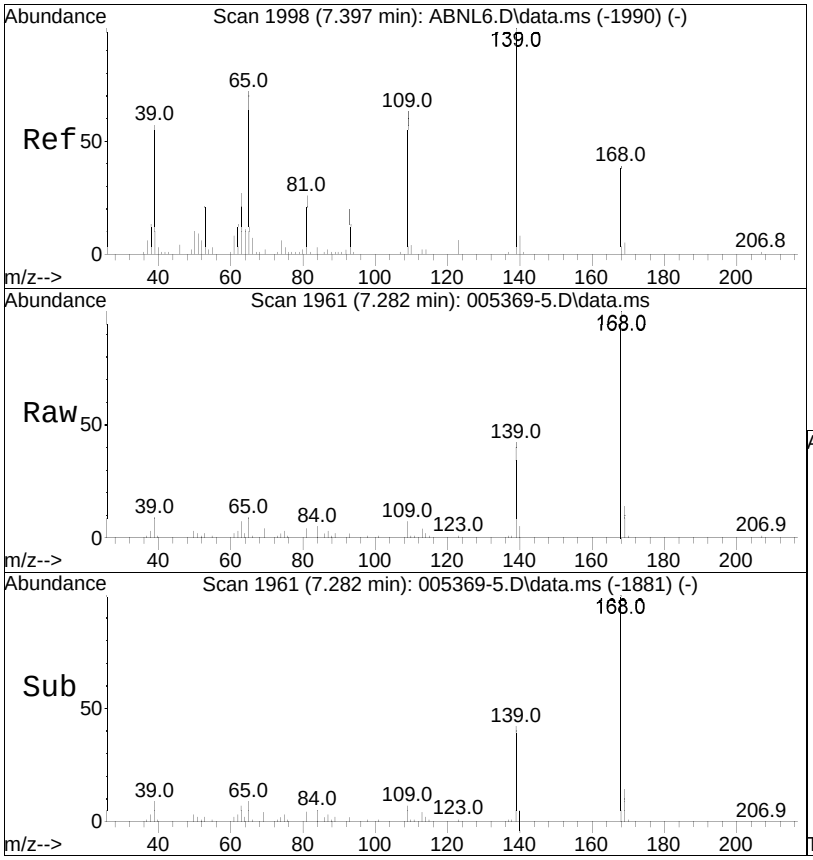


#70
2,4-Dinitrotoluene
Concen: 2.04 ug/ml
RT: 7.300 min Scan# 1967
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:165 Resp: 9885

Ion	Ratio	Lower	Upper
165	100		
89	68.2	72.0	108.0#
63	39.7	52.7	79.1#

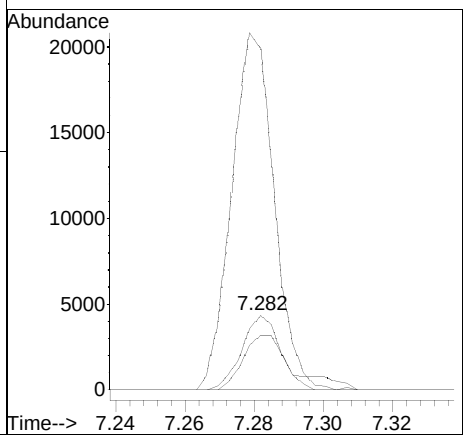


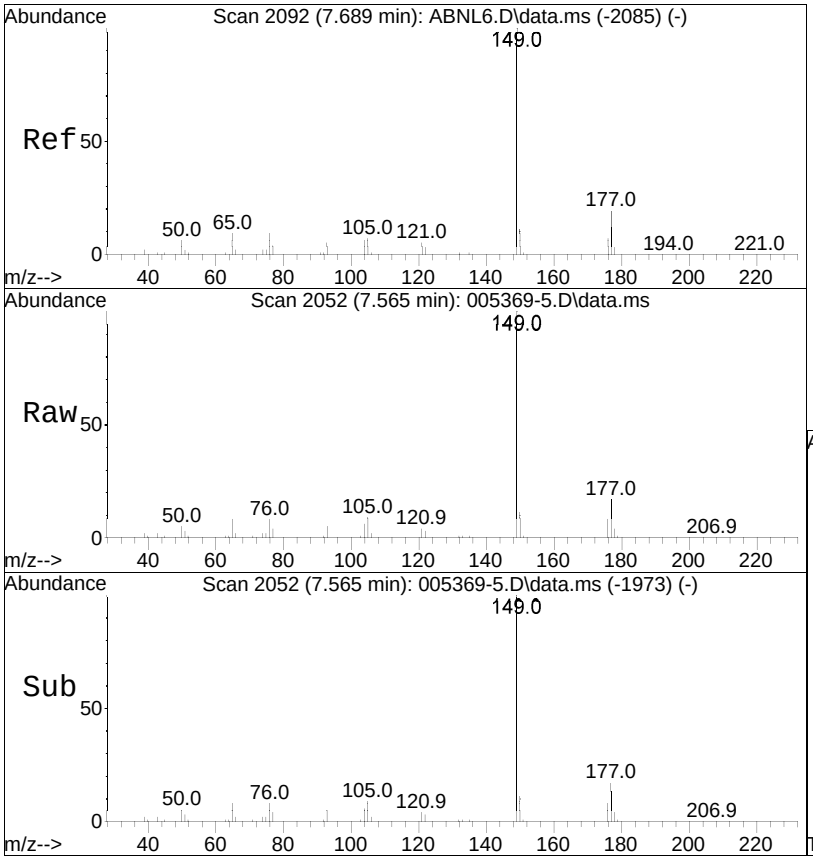


#71
4-Nitrophenol
Concen: 1.33 ug/ml
RT: 7.282 min Scan# 1961
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion: 65 Resp: 3849

Ion	Ratio	Lower	Upper
65	100		
109	67.2	47.4	71.2
139	457.6	76.6	115.0#

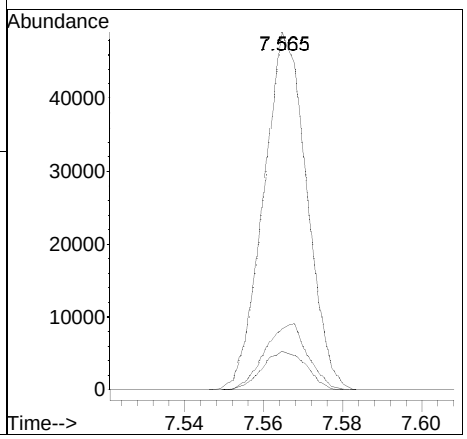


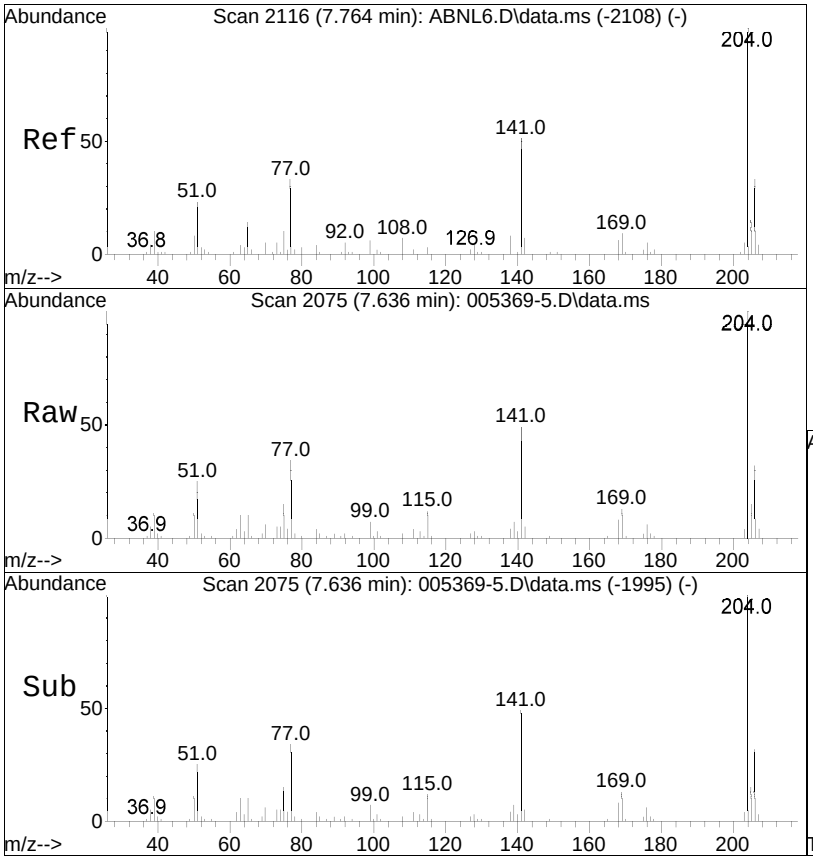


#74
Diethyl phthalate
Concen: 1.87 ug/ml
RT: 7.565 min Scan# 2052
Delta R.T. -0.003 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:149 Resp: 36951

Ion	Ratio	Lower	Upper
149	100		
177	18.5	16.1	24.1
150	11.2	9.4	14.2

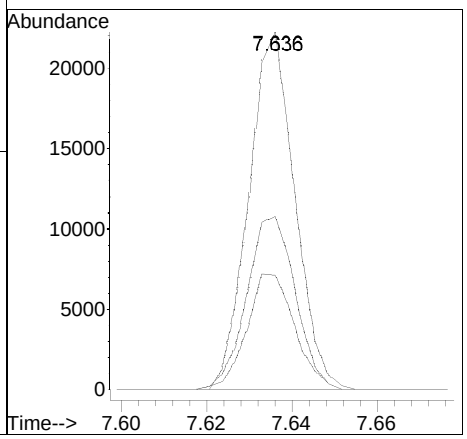


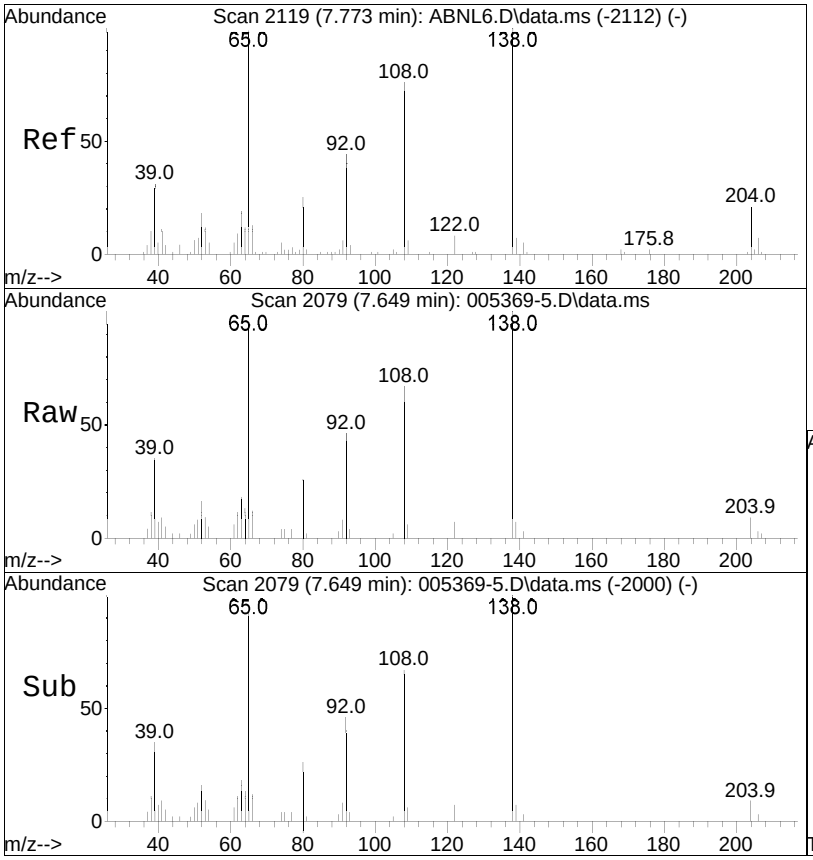


#76
4-Chlorophenyl phenyl ether
Concen: 1.67 ug/ml
RT: 7.636 min Scan# 2075
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:204 Resp: 16590

Ion	Ratio	Lower	Upper
204	100		
206	33.9	25.8	38.6
141	51.1	53.6	80.4#

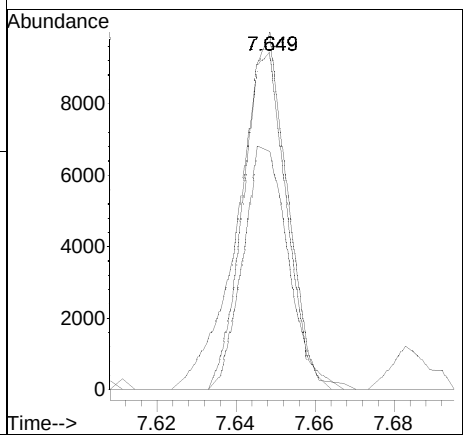


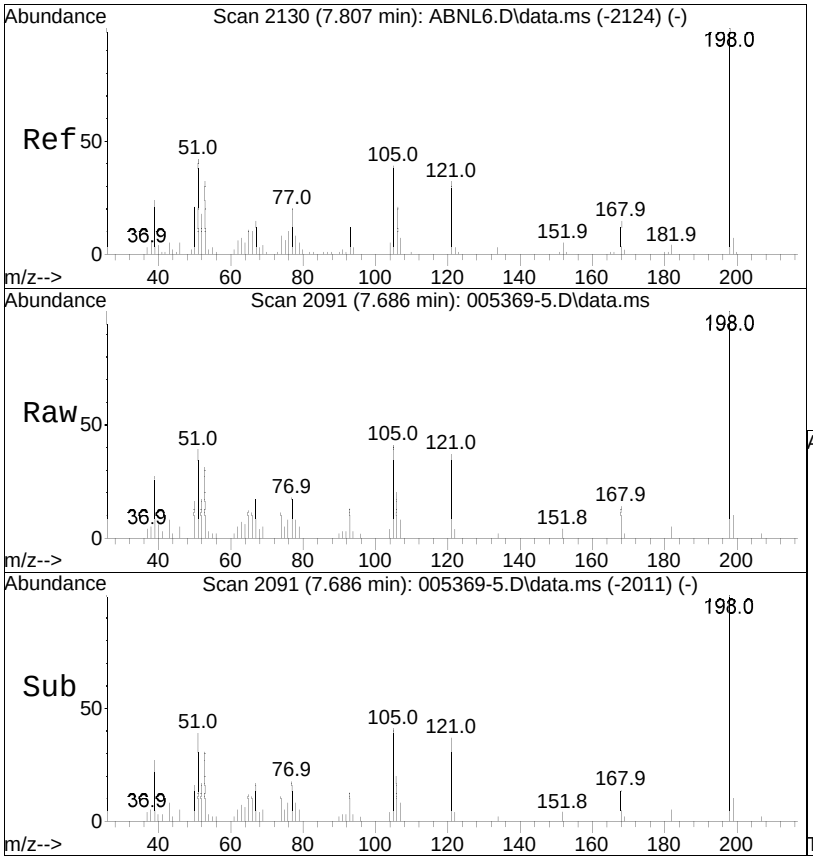


#77
4-Nitroaniline
Concen: 2.03 ug/ml
RT: 7.649 min Scan# 2079
Delta R.T. -0.003 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:138 Resp: 7592

Ion	Ratio	Lower	Upper
138	100		
108	70.3	52.1	78.1
65	108.2	115.0	172.6#

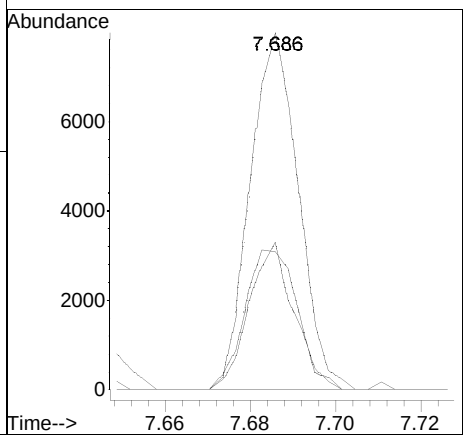


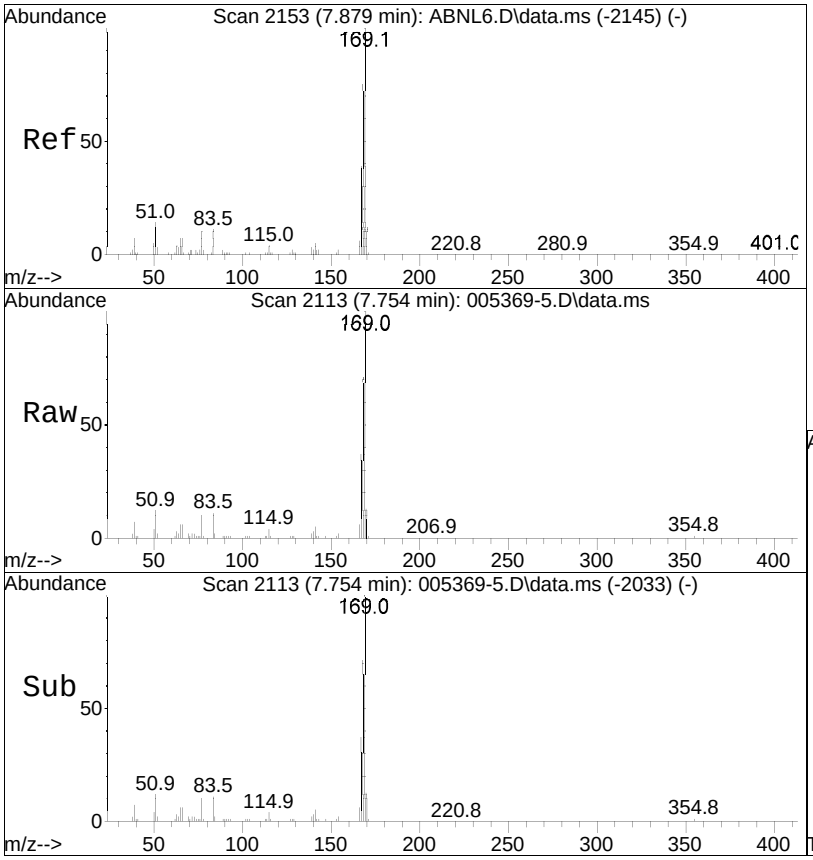


#78
4,6-Dinitro-o-cresol
Concen: 2.13 ug/ml
RT: 7.686 min Scan# 2091
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:198 Resp: 6242

Ion	Ratio	Lower	Upper
198	100		
51	43.0	76.0	114.0#
105	38.5	45.6	68.4#

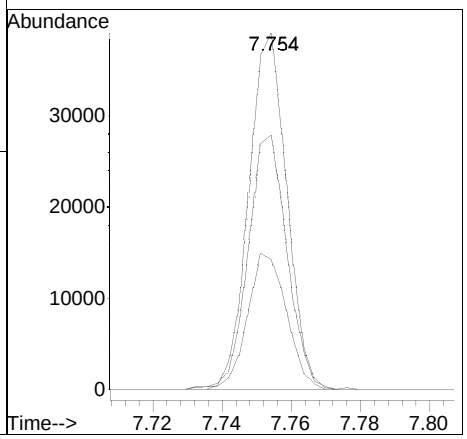


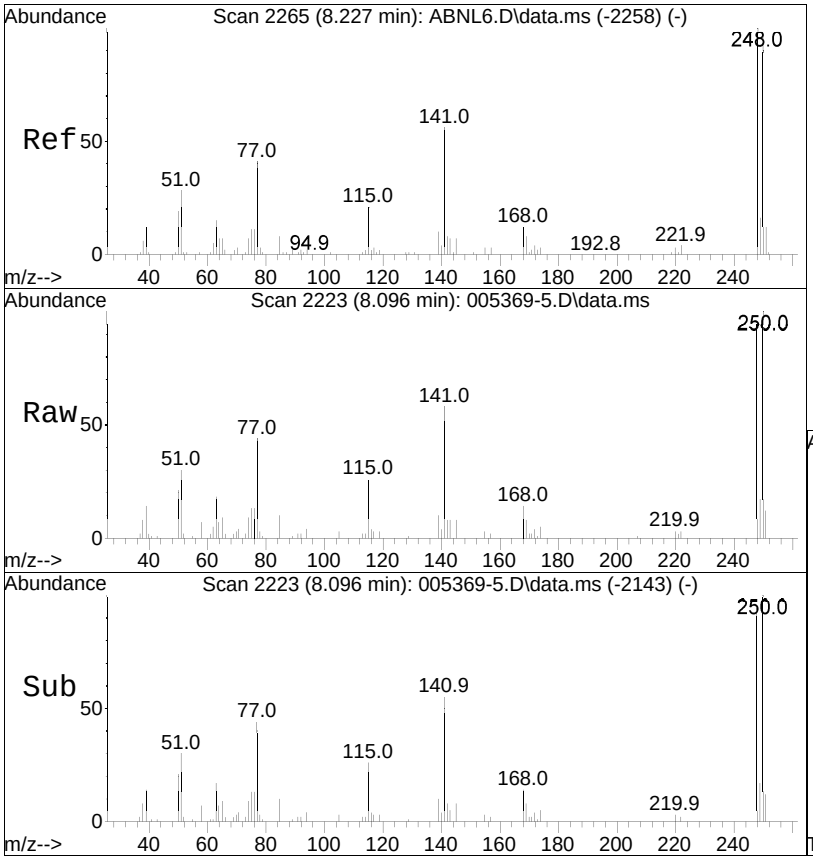


#79
NDPA/DPA
Concen: 1.77 ug/ml
RT: 7.754 min Scan# 2113
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:169 Resp: 29695

Ion	Ratio	Lower	Upper
169	100		
168	73.2	54.0	81.0
167	39.8	28.6	42.8

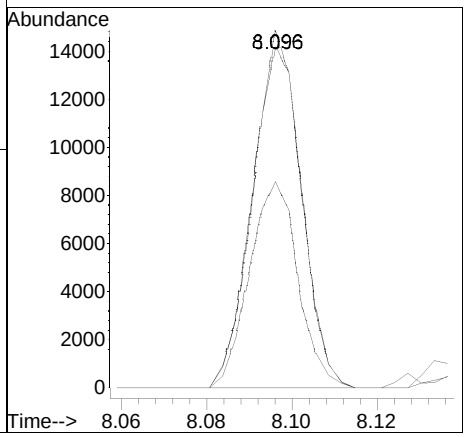


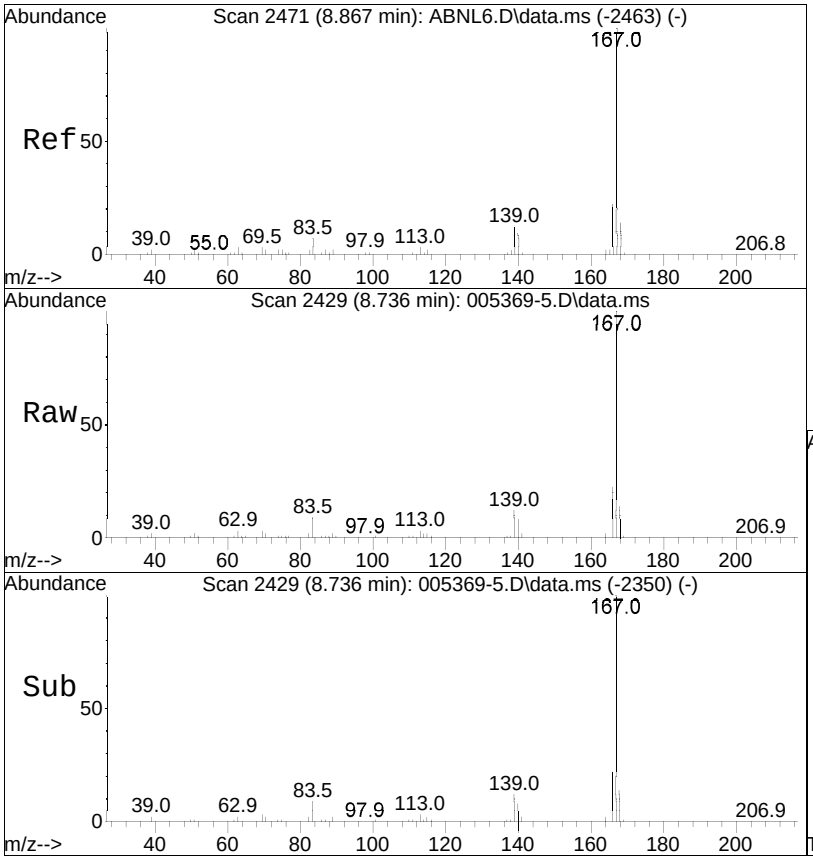


#82
4-Bromophenyl phenyl ether
Concen: 1.76 ug/ml
RT: 8.096 min Scan# 2223
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:248 Resp: 11508

Ion	Ratio	Lower	Upper
248	100		
141	58.7	76.6	114.8#
250	100.4	77.3	115.9

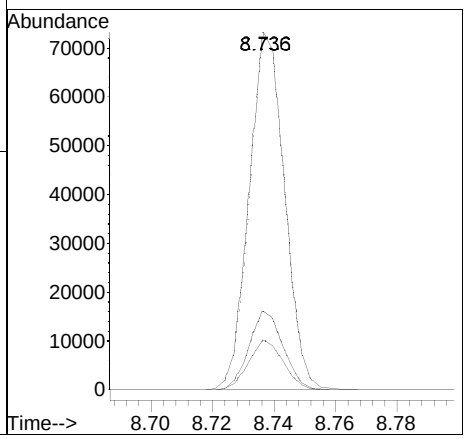


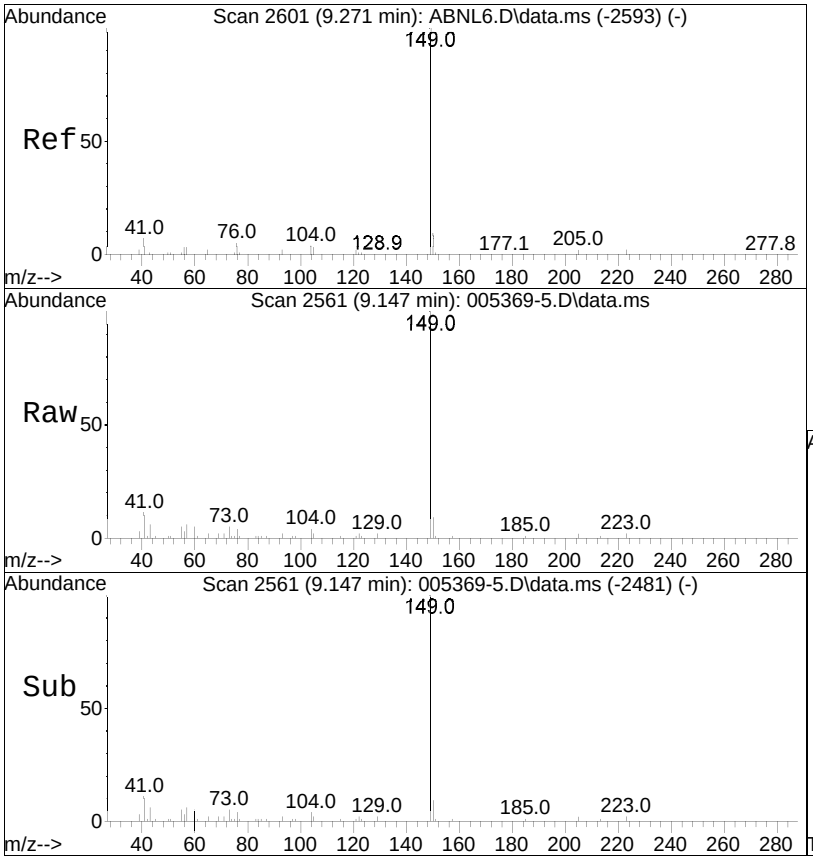


#93
Carbazole
Concen: 1.95 ug/ml
RT: 8.736 min Scan# 2429
Delta R.T. -0.003 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:167 Resp: 58091

Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.6	15.8
166	21.4	17.4	26.0

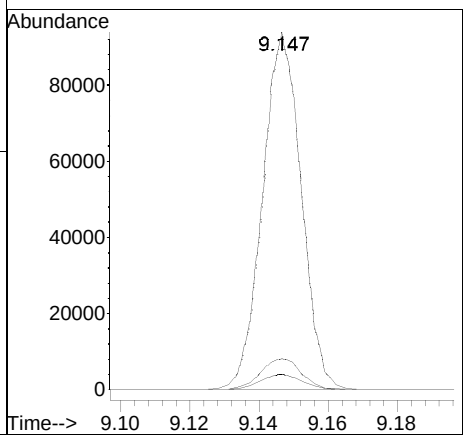


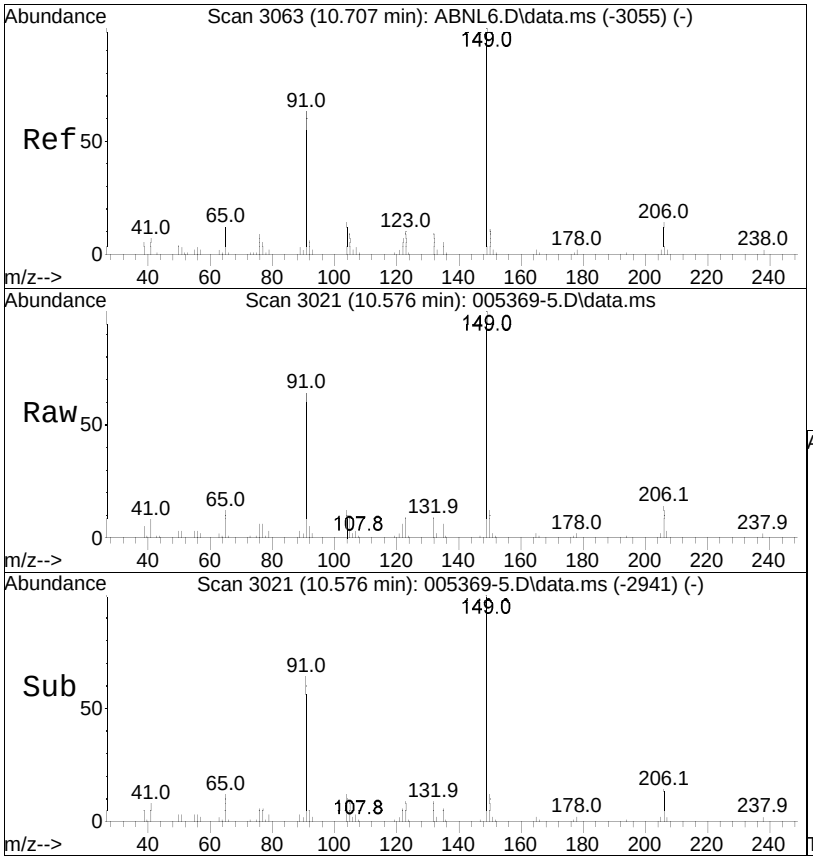


#94
Di-n-butylphthalate
Concen: 2.13 ug/ml
RT: 9.147 min Scan# 2561
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:149 Resp: 71780

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.0	10.6
104	4.4	4.5	6.7#

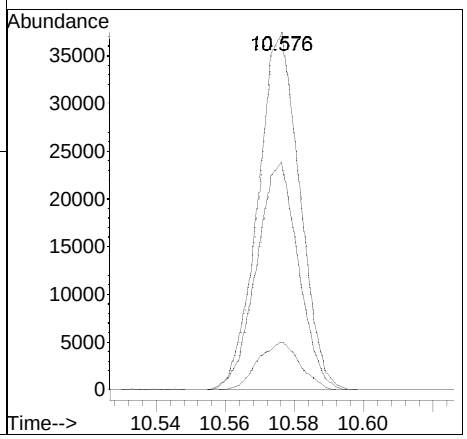


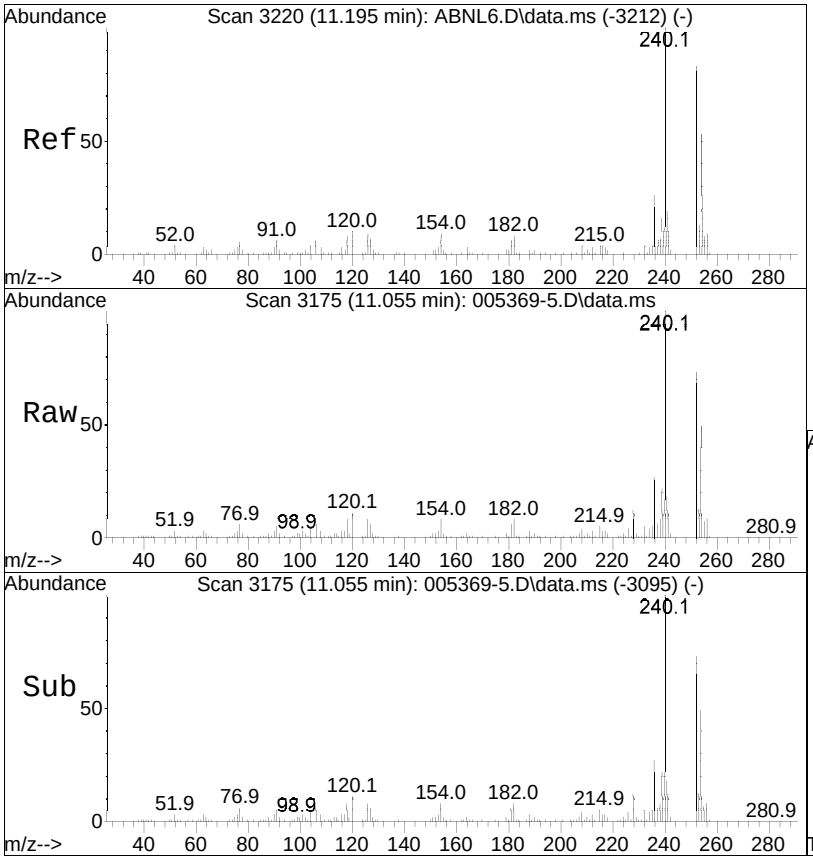


#99
Butyl benzyl phthalate
Concen: 2.16 ug/ml
RT: 10.576 min Scan# 3021
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:149 Resp: 31161

Ion	Ratio	Lower	Upper
149	100		
91	64.1	63.3	94.9
206	13.6	13.9	20.9#

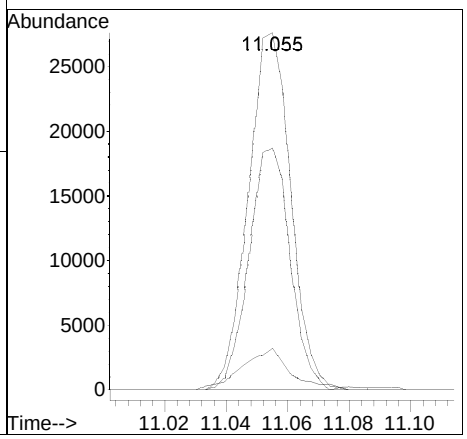


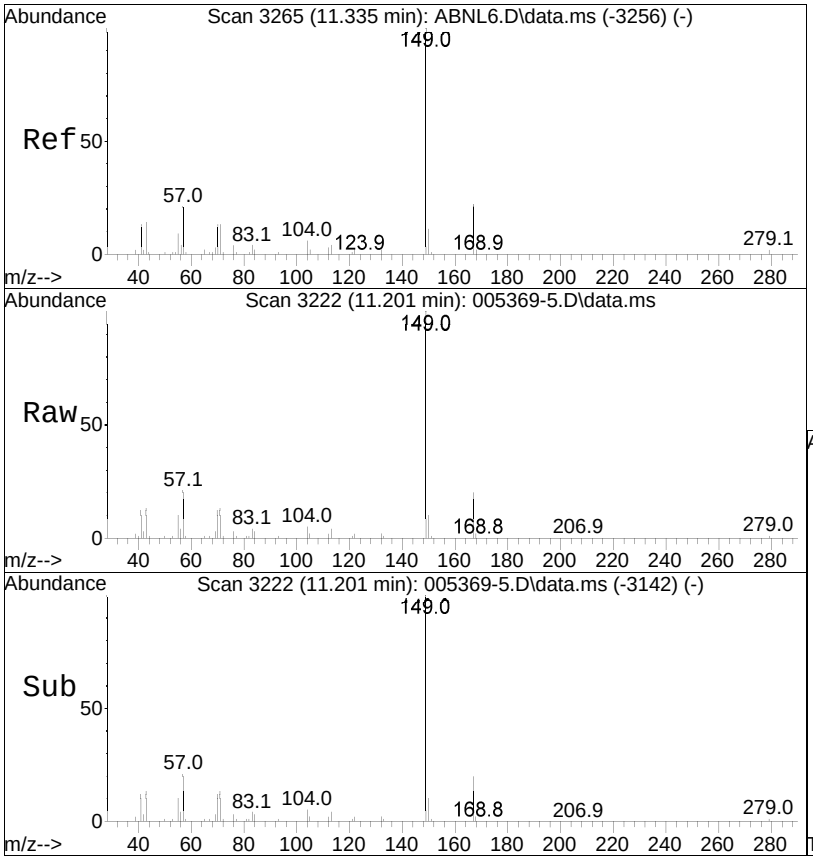


#108
3,3'-Dichlorobenzidine
Concen: 1.58 ug/ml
RT: 11.055 min Scan# 3175
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:252 Resp: 26531

Ion	Ratio	Lower	Upper
252	100		
126	13.3	14.5	21.7#
254	65.7	51.2	76.8

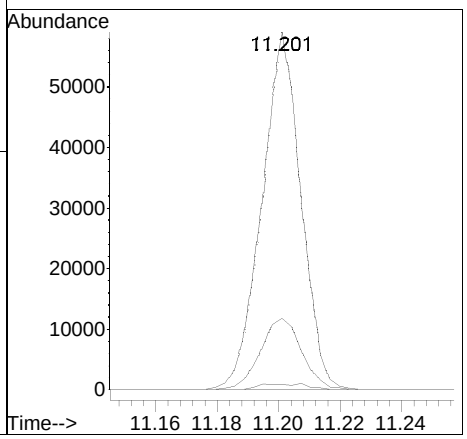


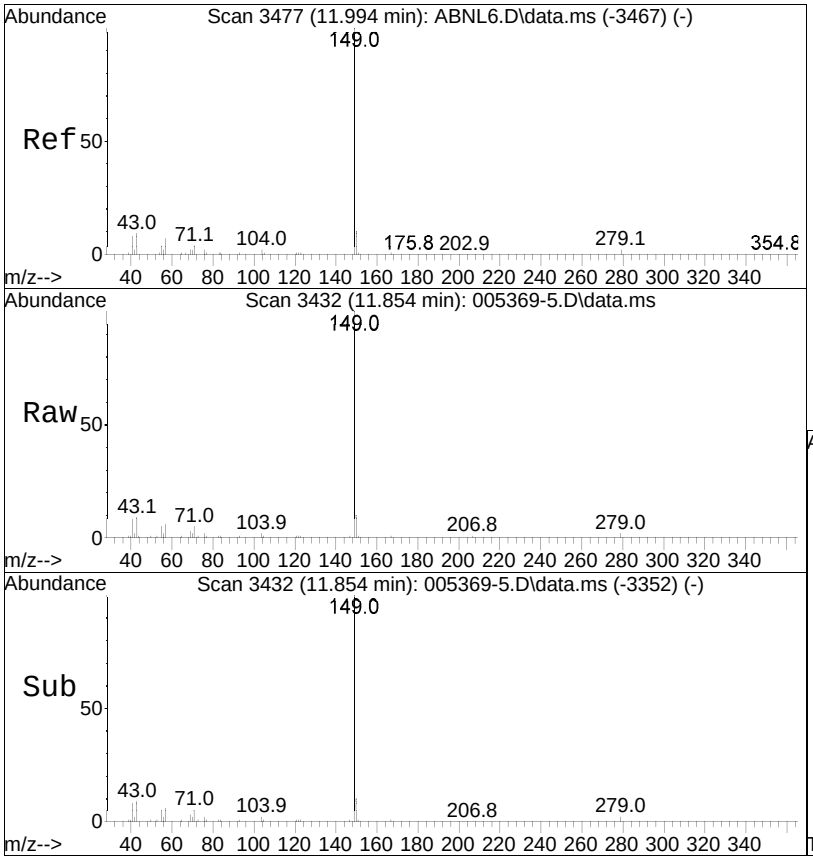


#110
Bis(2-ethylhexyl)phthalate
Concen: 2.13 ug/ml
RT: 11.201 min Scan# 3222
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:149 Resp: 51454

Ion	Ratio	Lower	Upper
149	100		
167	21.2	22.1	33.1#
279	1.7	3.0	4.4#

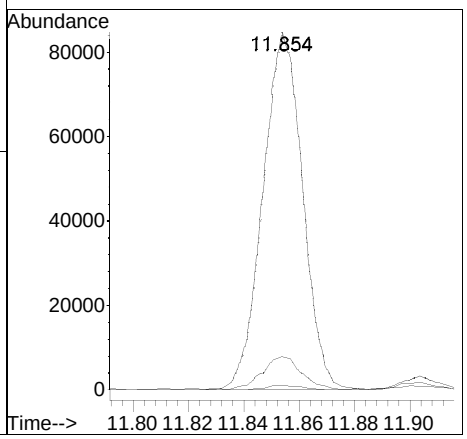




#111
Di-n-octylphthalate
Concen: 2.07 ug/ml
RT: 11.854 min Scan# 3432
Delta R.T. -0.000 min
Lab File: 005369-5.D
Acq: 5 Dec 2024 2:56 pm

Tgt Ion:149 Resp: 83479

Ion	Ratio	Lower	Upper
149	100		
43	8.7	18.8	28.2#
167	1.1	1.3	1.9#



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)

Dec 09 2024, 03:52 pm

Work Group: WG2005369 for Department: 2 Organic Preparation

Created: 04-DEC-24 Due: Operator: YDA

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2470744-01	2A	C	NYTCL-8270-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2470744-02	2B	C	NYTCL-8270-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2470744-03	3A	C	NYTCL-8270-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2470744-04	3B	C	NYTCL-8270-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2470744-05	4A	C	NYTCL-8270-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-06	4B	C	NYTCL-8270-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-07	5A	C	NYTCL-8270-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-08	5B	C	NYTCL-8270-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-09	6A	C	NYTCL-8270-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2470744-10	6B	C	NYTCL-8270-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2470744-11	7A	C	NYTCL-8270-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-12	7B	C	NYTCL-8270-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2470744-13	8A	C	NYTCL-8270-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-14	8B	C	NYTCL-8270-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-15	9A	C	NYTCL-8270-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-16	9B	C	NYTCL-8270-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-17	10A	C	NYTCL-8270-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-18	10B	C	NYTCL-8270-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-19	DUP 001	C	NYTCL-8270-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2470744-21	FIELD BLANK	C	NYTCL-8270-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
WG2005369-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2005369-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2005369-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2005369-4	Matrix Spike	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2005369-5	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG2005369-3	WG2005369-2
WG2005369-4	L2470744-04
WG2005369-5	L2470744-04

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: DAKOTA
Date: **12/05/24**
Run: Night Run

Method
GC: ABNRVT

Seq: **WG2005363**
ICAL: 21680

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	DEG1205n	wg-1,32,,Degdftpp Lot # 11163				smz 12/6
96	ABN1205n	wg-3,32,,ABN RVT CCV Lot # 11043	**Passes Full List, TCLP**			smz 12/6
97	AP91205n	wg-4,32,,AP9 RVT CCV Lot # 11152				smz 12/6
98	ADP1205n	wg-5,32,,ADP RVT CCV Lot # 11153				smz 12/6
1	005325-1	WG2005325-1,32,,ASK				smz 12/6
2	004888-2	WG2004888-2,32,,RV,ASK				smz 12/6
3	004888-3	WG2004888-3,32,,RV,ASK				smz 12/6
4	005325-2	WG2005325-2,32,,ASK				smz 12/6
5	005325-3	WG2005325-3,32,,ASK				smz 12/6
6	005506-1	WG2005506-1,32,,ASK				smz 12/6
7	005506-2	WG2005506-2,32,,ASK				smz 12/6
8	005506-3	WG2005506-3,32,,ASK				smz 12/6
9	005534-1	WG2005534-1,32,,ASK				slr 12/9
10	005534-2	WG2005534-2,32,,ASK				slr 12/9
11	005534-3	WG2005534-3,32,,ASK				slr 12/9
12	005536-1	WG2005536-1,32,,ASK				cmm 12/9
13	005536-2	WG2005536-2,32,,ASK				cmm 12/9
14	005536-3	WG2005536-3,32,,ASK				cmm 12/9
15	70385-01	L2470385-01,32,,ASK				smz 12/6
16	70458-01	L2470458-01,32,,ASK				smz 12/6
17	70744-15	L2470744-15,32,,ASK				ek 12/6
18	70744-16	L2470744-16,32,,ASK				ek 12/6
19	70744-17	L2470744-17,32,,ASK				ek 12/6
20	70744-18	L2470744-18,32,,ASK				ek 12/6
21	70744-19	L2470744-19,32,,ASK				ek 12/6
22	70744-21	L2470744-21,32,,ASK				ek 12/6
23	70605-01	L2470605-01,32,,ASK			sv-smz	slr 12/9
24	70605-02	L2470605-02,32,,ASK			ASK	slr 12/9
25	003938-2	WG2003938-2,32,,gmr				slr 12/6
26	003938-3	WG2003938-3,32,,gmr				slr 12/6
27	003938-1	WG2003938-1,32,,gmr				slr 12/6
28	70605-03	L2470605-03,32,,ASK				slr 12/9
29	70605-04	L2470605-04,32,,ASK	OTT		**gmr**	cmm 12/6
					sv-smz	

Dep.: GCMS
Inst: DAKOTA
Date: **12/05/24**
Run:

Method
GC: ABNRVT

Seq: **WG2005564**
ICAL: 21680

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	DEG1205	wg-1,32,,Degdftpp Lot # 11163				slr 12/5
96	ABN1205	wg-3,32,,ABN 11043 gmr1109B	**Passes full list**			slr 12/5
97	AP91205	wg-4,32,,AP9 11152 gmr1109B				slr 12/5
98	ADP1205	wg-5,32,,ADP 11153 gmr1109B				slr 12/5
99	BLK1205	RVTBlank				
1	787-02d1	L2469787-02d,32,10,gmr			gmr	slr 12/5
2	005369-2	WG2005369-2,32,,HNY				ek 12/6
3	005369-3	WG2005369-3,32,,HNY				ek 12/6
4	005369-1	WG2005369-1,32,,HNY			sv-smz	ek 12/6
5	70744-01	L2470744-01,32,,HNY				ek 12/6
6	70744-02	L2470744-02,32,,HNY				ek 12/6
7	70744-03	L2470744-03,32,,HNY				ek 12/6
8	70744-04	L2470744-04,32,,HNY				ek 12/6
9	005369-4	WG2005369-4,32,,HNY				ek 12/6
10	005369-5	WG2005369-5,32,,HNY				ek 12/6
11	70744-05	L2470744-05,32,,HNY				ek 12/6
12	70744-06	L2470744-06,32,,HNY				ek 12/6
13	70744-07	L2470744-07,32,,HNY				ek 12/6
14	70744-08	L2470744-08,32,,HNY				ek 12/6
15	70744-09	L2470744-09,32,,HNY				ek 12/6
16	70744-10	L2470744-10,32,,HNY				ek 12/6
17	70744-11	L2470744-11,32,,HNY				ek 12/6
18	70744-12	L2470744-12,32,,HNY				ek 12/6
19	70744-13	L2470744-13,32,,HNY	OTT	gmr		
20	70744-14	L2470744-14,32,,HNY	OTT	gmr	hny	
					sv-ask	

Dep.: GCMS
Inst: DAKOTA
Date: **12/06/24**
Run:

Method
GC: ABNRVT

Seq: **WG2006161**
ICAL: 21680

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	DEG1206	wg-1,32,,Degdftpp Lot # 11163				slr 12/9
96	ABN1206	wg-3,32,,ABN 11043 gmr1109C	**Passes Full List, TCLP**			slr 12/9
97	AP91206	wg-4,32,,AP9 11152 gmr1109C				slr 12/9
98	ADP1206	wg-5,32,,ADP 11153 gmr1109C				slr 12/9
99	BLK1206	RVTBlank				
1	696-05d1	L2470696-05d,32,5,gmr				slr 12/9
2	70744-13	L2470744-13,32,,RR,gmr				slr 12/9
3	70744-14	L2470744-14,32,,RR,gmr				slr 12/9
4	70605-05	L2470605-05,32,,gmr				slr 12/9
5	70605-06	L2470605-06,32,,gmr				slr 12/9
6	70605-09	L2470605-09,32,,gmr				slr 12/9
7	68274-04	L2468274-04,32,,gmr				
8	68274-03	L2468274-03,32,,gmr				
9	68274-02	L2468274-02,32,,gmr				
10	68274-01	L2468274-01,32,,gmr				
11	005536-4	WG2005536-4,32,,gmr	RX, not spiked			slr 12/9
12	005536-5	WG2005536-5,32,,gmr	RX, not spiked			slr 12/9
13	70714-07	L2470714-07,32,,gmr	RX			slr 12/9
14	70714-09	L2470714-09,32,,gmr				slr 12/9
15	70714-10	L2470714-10,32,,gmr				slr 12/9
16	70714-11	L2470714-11,32,,gmr				slr 12/9
17	53108-73	L2453108-73,32,,gmr				slr 12/9
18	003938-4	WG2003938-4,32,,gmr				
19	003938-5	WG2003938-5,32,,gmr				
20	53108-76	L2453108-76,32,,gmr				
21	005549-4	WG2005549-4,32,,gmr				
22	005549-5	WG2005549-5,32,,gmr			gmr	
					SV-ASK	

ORGANIC ELN REPORT

Workgroup: WG2005369

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN
Spike Verify by: RSN
Lims Spikelot: 8270-RVT

Lot #: EJ475
Lot #: 11164aq,05/20/2025,
Lot #: 11106ag,04/23/2025,11092ae,0

Additional Reagents/Stds

H2SO4	A120224
Na2SO4	23K2961078
NaOH	10NNaOH120224

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EH515

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
L2470744-01 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-02 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K
L2470744-03 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-04 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K
L2470744-05 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-06 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-07 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K

Reported: 09-DEC-24 03:52 PM

ORGANIC ELN REPORT

Workgroup: WG2005369

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
L2470744-08 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-09 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K
L2470744-10 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K
L2470744-11 WATER	12/04/24 21:25	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K
L2470744-12 WATER	12/04/24 21:25	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K
L2470744-13 WATER	12/04/24 21:25	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-14 WATER	12/04/24 21:25	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-15 WATER	12/04/24 21:25	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-16 WATER	12/04/24 21:25	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-17 WATER	12/04/24 21:25	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K

Reported: 09-DEC-24 03:52 PM

ORGANIC ELN REPORT

Workgroup: WG2005369

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
L2470744-18 WATER	12/04/24 21:25	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-19 WATER	12/04/24 21:25	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-21 WATER	12/04/24 21:25	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
WG2005369-1 BLANK	12/04/24 21:24 **WG2005370**	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K
WG2005369-2 LCS	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1	.1	12/05/24 08:39	Katherine Gately	1	K
WG2005369-3 LCSD	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1	.1	12/05/24 08:39	Katherine Gately	1	K
WG2005369-4 MS	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1	.1	12/05/24 08:39	Katherine Gately	1	K
WG2005369-5 MSD	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1	.1	12/05/24 08:39	Katherine Gately	1	K

Semivolatiles Data
by Method 8270D-SIM

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2470744
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
2A (L2470744-01)	56	39	95	86	100	104	0
2B (L2470744-02)	51	37	91	87	93	101	0
3A (L2470744-03)	50	33	78	73	89	89	0
3B (L2470744-04)	47	34	83	79	88	97	0
4A (L2470744-05)	49	34	86	77	82	90	0
4B (L2470744-06)	47	35	89	82	78	95	0
5A (L2470744-07)	44	32	87	79	71	86	0
5B (L2470744-08)	44	33	88	84	81	95	0
6A (L2470744-09)	53	37	95	88	93	97	0
6B (L2470744-10)	56	38	105	93	99	103	0
7A (L2470744-11)	64	47	107	97	131*	111	1
7B (L2470744-12)	66	45	106	98	124*	120	1
8A (L2470744-13)	62	43	102	94	113	115	0
8B (L2470744-14)	47	34	84	78	79	93	0
9A (L2470744-15)	46	34	94	87	81	102	0
9B (L2470744-16)	54	38	87	83	104	104	0
10A (L2470744-17)	49	35	89	84	91	98	0
10B (L2470744-18)	44	34	83	81	77	95	0
DUP 001 (L2470744-19)	51	36	87	84	97	100	0
FIELD BLANK (L2470744-21)	45	32	75	73	90	94	0
WG2005370-1BLANK	58	40	90	89	95	97	0
WG2005370-2LCS	67	46	100	94	128*	109	1
WG2005370-3LCSD	53	37	81	76	115	99	0
3BMS	59	42	92	86	119	102	0
3BMSD	60	42	91	84	115	97	0
WG2006681-1BLANK	57	38	85	83	93	90	0
WG2006681-2LCS	58	41	84	79	99	85	0
WG2006681-3LCSD	58	41	76	73	93	80	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

FORM II NYTCL-8270-SIM-RVT

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2005370-2 **Analysis Date** : 12/05/24 12:06	**File ID**	: 005370-2
LCSD Sample ID	: WG2005370-3 **Analysis Date** : 12/05/24 12:23	**File ID**	: 005370-3

	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	21	106	20	18	91	15	40-140	40
2-Chloronaphthalene	20	18	89	20	15	76	16	40-140	40
Fluoranthene	20	25	127	20	23	116	9	40-140	40
Hexachlorobutadiene	20	14	68	20	11	57	18	40-140	40
Naphthalene	20	17	86	20	15	76	12	40-140	40
Benzo(a)anthracene	20	29	145 Q	20	26	131	10	40-140	40
Benzo(a)pyrene	20	30	148 Q	20	27	134	10	40-140	40
Benzo(b)fluoranthene	20	29	145 Q	20	26	133	9	40-140	40
Benzo(k)fluoranthene	20	29	146 Q	20	26	130	12	40-140	40
Chrysene	20	29	144 Q	20	26	132	9	40-140	40
Acenaphthylene	20	20	102	20	18	89	14	40-140	40
Anthracene	20	25	126	20	23	113	11	40-140	40
Benzo(ghi)perylene	20	31	153 Q	20	27	135	13	40-140	40
Fluorene	20	23	113	20	20	98	14	40-140	40
Phenanthrene	20	24	120	20	21	107	11	40-140	40
Dibenzo(a,h)anthracene	20	32	162 Q	20	28	142 Q	13	40-140	40
Indeno(1,2,3-cd)pyrene	20	32	159 Q	20	28	143 Q	11	40-140	40
Pyrene	20	26	128	20	23	116	10	40-140	40
2-Methylnaphthalene	20	18	89	20	15	76	16	40-140	40
Pentachlorophenol	20	26	128	20	23	113	12	40-140	40
Hexachlorobenzene	20	22	112	20	19	96	15	40-140	40
Hexachloroethane	20	15	75	20	13	63	17	40-140	40

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2006681-2 **Analysis Date** : 12/09/24 11:14	**File ID**	: 006681-2
LCSD Sample ID	: WG2006681-3 **Analysis Date** : 12/09/24 11:30	**File ID**	: 006681-3

	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	18	88	20	16	79	11	40-140	40
2-Chloronaphthalene	20	16	79	20	14	71	11	40-140	40
Fluoranthene	20	19	95	20	17	87	9	40-140	40
Hexachlorobutadiene	20	14	68	20	12	62	9	40-140	40
Naphthalene	20	16	78	20	14	71	9	40-140	40
Benzo(a)anthracene	20	21	107	20	20	98	9	40-140	40
Benzo(a)pyrene	20	22	112	20	20	103	8	40-140	40
Benzo(b)fluoranthene	20	21	106	20	19	93	13	40-140	40
Benzo(k)fluoranthene	20	21	106	20	20	102	4	40-140	40
Chrysene	20	21	105	20	19	96	9	40-140	40
Acenaphthylene	20	17	85	20	15	77	10	40-140	40
Anthracene	20	19	96	20	17	87	10	40-140	40
Benzo(ghi)perylene	20	21	107	20	19	96	11	40-140	40
Fluorene	20	18	90	20	16	81	11	40-140	40
Phenanthrene	20	18	90	20	16	82	9	40-140	40
Dibenzo(a,h)anthracene	20	23	114	20	20	102	11	40-140	40
Indeno(1,2,3-cd)pyrene	20	22	111	20	20	101	9	40-140	40
Pyrene	20	19	94	20	17	87	8	40-140	40
2-Methylnaphthalene	20	16	80	20	14	72	11	40-140	40
Pentachlorophenol	20	19	94	20	18	89	5	40-140	40
Hexachlorobenzene	20	17	87	20	16	78	11	40-140	40
Hexachloroethane	20	15	74	20	14	68	8	40-140	40

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: 3B	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2470744-04	**Analysis Date**	: 12/05/24 13:43
Matrix Spike	: WG2005370-4	**MS Analysis Date**	: 12/05/24 14:00
Matrix Spike Dup	: WG2005370-5	**MSD Analysis Date**	: 12/05/24 14:16

		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	20	100	20	20	100	0	40-140	40
2-Chloronaphthalene	ND	20	17	85	20	17	85	0	40-140	40
Fluoranthene	ND	20	24	120	20	23	120	4	40-140	40
Hexachlorobutadiene	ND	20	12	60	20	13	65	8	40-140	40
Naphthalene	ND	20	16	80	20	17	85	6	40-140	40
Benzo(a)anthracene	ND	20	27	140	20	26	130	4	40-140	40
Benzo(a)pyrene	ND	20	28	140	20	27	140	4	40-140	40
Benzo(b)fluoranthene	ND	20	25	130	20	27	140	8	40-140	40
Benzo(k)fluoranthene	ND	20	28	140	20	26	130	7	40-140	40
Chrysene	ND	20	27	140	20	27	140	0	40-140	40
Acenaphthylene	ND	20	19	95	20	19	95	0	40-140	40
Anthracene	ND	20	24	120	20	23	120	4	40-140	40
Benzo(ghi)perylene	ND	20	28	140	20	27	140	4	40-140	40
Fluorene	ND	20	21	110	20	21	110	0	40-140	40
Phenanthrene	ND	20	22	110	20	22	110	0	40-140	40
Dibenzo(a,h)anthracene	ND	20	29	150 Q	20	28	140	4	40-140	40
Indeno(1,2,3-cd)pyrene	ND	20	29	150 Q	20	29	150 Q	0	40-140	40
Pyrene	ND	20	24	120	20	23	120	4	40-140	40
2-Methylnaphthalene	ND	20	16	80	20	17	85	6	40-140	40
Pentachlorophenol	ND	20	24	120	20	23	120	4	40-140	40
Hexachlorobenzene	ND	20	21	110	20	21	110	0	40-140	40
Hexachloroethane	ND	20	14	70	20	15	75	7	40-140	40

Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2005370-1	**Lab File ID**	: 005370-1
Instrument ID	: SV125	**Extraction Date**	: 12/04/24
Matrix	: WATER	**Analysis Date**	: 12/05/24 11:50
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2005370-2LCS	WG2005370-2	12/05/24 12:06
WG2005370-3LCSD	WG2005370-3	12/05/24 12:23
2A	L2470744-01	12/05/24 12:39
2B	L2470744-02	12/05/24 13:11
3A	L2470744-03	12/05/24 13:27
3B	L2470744-04	12/05/24 13:43
3BMS	WG2005370-4	12/05/24 14:00
3BMSD	WG2005370-5	12/05/24 14:16
4A	L2470744-05	12/05/24 14:32
9B	L2470744-16	12/05/24 15:34
10A	L2470744-17	12/05/24 15:50
10B	L2470744-18	12/05/24 16:06
DUP 001	L2470744-19	12/05/24 16:22
FIELD BLANK	L2470744-21	12/05/24 16:38
4B	L2470744-06	12/05/24 17:14
5A	L2470744-07	12/05/24 17:30
5B	L2470744-08	12/05/24 17:46
6A	L2470744-09	12/05/24 18:02
7A	L2470744-11	12/09/24 09:53
7B	L2470744-12	12/09/24 10:09
8A	L2470744-13	12/09/24 10:25
8B	L2470744-14	12/09/24 10:41
9A	L2470744-15	12/09/24 10:58

Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2006681-1	**Lab File ID**	: 006681-1
Instrument ID	: SV125	**Extraction Date**	: 12/09/24
Matrix	: WATER	**Analysis Date**	: 12/09/24 11:46
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2006681-2LCS	WG2006681-2	12/09/24 11:14
WG2006681-3LCSD	WG2006681-3	12/09/24 11:30
6B	L2470744-10	12/10/24 07:11

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV118	**Analysis Date**	: 10/25/24 15:53
Tune Standard	: R1893981-11	**Tune File ID**	: TUNE_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	46.8
68	Less than 2.0% of mass 69	0.5 (1.4)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	46.9
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	6.4
275	10.0 - 60.0% of Base Peak	27.3
365	Greater than 1.0% of mass 198	3.5
441	Present, but less than 24% of mass 442	16.3
442	Base Peak, or >50% of mass 198	97.8
443	15.0 - 24.0% of mass 442	18 (18.4)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
L10	R1893981-2	L10	10/25/24 16:43
L9	R1893981-10	L9	10/25/24 17:01
L8	R1893981-9	L8	10/25/24 17:19
L7	R1893981-8	L7	10/25/24 17:37
L6	R1893981-7	L6	10/25/24 17:55
L5	R1893981-6	L5	10/25/24 18:12
L4	R1893981-5	L4	10/25/24 18:29
L3	R1893981-4	L3	10/25/24 18:46
L2	R1893981-3	L2	10/25/24 19:03
L1	R1893981-1	L1	10/25/24 19:21
ICV Quant Report	R1893981-12	ICV	10/25/24 19:38

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV118	**Analysis Date**	: 12/10/24 05:55
Tune Standard	: WG2007182-1	**Tune File ID**	: deg1210a_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	43.4
68	Less than 2.0% of mass 69	0.5 (1.4)1
69		100
70	Less than 2.0% of mass 69	0.1 (.4)1
127	10.0 - 80.0% of Base Peak	50.9
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	6.5
275	10.0 - 60.0% of Base Peak	27
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than 24% of mass 442	16.7
442	Base Peak, or >50% of mass 198	96.3
443	15.0 - 24.0% of mass 442	17.8 (18.5)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
WG2007182-4TFACTOR-B	WG2007182-4	DEG1210A	12/10/24 05:55
WG2007182-5TFACTOR-P	WG2007182-5	DEG1210A	12/10/24 05:55
WG2007182-3CCAL	WG2007182-3	CCV1210	12/10/24 06:12
6B	L2470744-10	70744-10	12/10/24 07:11

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV120	**Analysis Date**	: 11/05/24 06:14
Tune Standard	: R1896399-12	**Tune File ID**	: TUNE_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	54.6
68	Less than 2.0% of mass 69	0.7 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	54.3
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	6.2
275	10.0 - 60.0% of Base Peak	24.2
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	16.6
442	Base Peak, or >50% of mass 198	73.2
443	15.0 - 24.0% of mass 442	14.6 (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
IL10	R1896399-3	IL10	11/05/24 07:30
IL9	R1896399-11	IL9	11/05/24 07:47
IL8	R1896399-10	IL8	11/05/24 08:03
IL7	R1896399-9	IL7	11/05/24 08:19
IL6	R1896399-8	IL6	11/05/24 08:36
IL5	R1896399-7	IL5	11/05/24 08:52
IL4	R1896399-5	IL4	11/05/24 09:08
IL3	R1896399-6	IL3	11/05/24 09:24
IL2	R1896399-4	IL2	11/05/24 09:41
IL1	R1896399-2	IL1	11/05/24 09:57
	R1896399-1	ICV	11/05/24 10:13

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV120	**Analysis Date**	: 12/05/24 05:40
Tune Standard	: WG2005462-1	**Tune File ID**	: deg1205_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	52.2
68	Less than 2.0% of mass 69	0.7 (1.8)1
69		100
70	Less than 2.0% of mass 69	0 (0)1
127	10.0 - 80.0% of Base Peak	57.4
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	7
275	10.0 - 60.0% of Base Peak	24.2
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than 24% of mass 442	16.8
442	Base Peak, or >50% of mass 198	73.8
443	15.0 - 24.0% of mass 442	14.8 (20.1)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
WG2005462-4TFACTOR-B	WG2005462-4	DEG1205	12/05/24 05:40
WG2005462-5TFACTOR-P	WG2005462-5	DEG1205	12/05/24 05:40
WG2005462-3CCAL	WG2005462-3	CCV1205	12/05/24 05:56
9B	L2470744-16	70744-16	12/05/24 15:34
10A	L2470744-17	70744-17	12/05/24 15:50
10B	L2470744-18	70744-18	12/05/24 16:06
DUP 001	L2470744-19	70744-19	12/05/24 16:22
FIELD BLANK	L2470744-21	70744-21	12/05/24 16:38

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV125	**Analysis Date**	: 11/05/24 10:48
Tune Standard	: R1897184-12	**Tune File ID**	: Tuneb_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	50.3
68	Less than 2.0% of mass 69	0.6 (1.5)1
69		100
70	Less than 2.0% of mass 69	0.3 (.6)1
127	10.0 - 80.0% of Base Peak	50.3
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	24.8
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	17.6
442	Base Peak, or >50% of mass 198	82.6
443	15.0 - 24.0% of mass 442	16 (19.4)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
IL10	R1897184-2	IL10	11/05/24 11:10
IL9	R1897184-10	IL9	11/05/24 11:26
IL8	R1897184-9	IL8	11/05/24 11:42
IL7	R1897184-8	IL7	11/05/24 11:58
IL6	R1897184-7	IL6	11/05/24 12:15
IL5	R1897184-6	IL5	11/05/24 12:31
IL4	R1897184-5	IL4	11/05/24 12:47
IL3	R1897184-4	IL3	11/05/24 13:03
IL2	R1897184-3	IL2	11/05/24 13:20
IL1	R1897184-1	IL1	11/05/24 13:36
ICV Quant Report	R1897184-11	ICV	11/05/24 13:52

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV125	**Analysis Date**	: 12/05/24 06:11
Tune Standard	: WG2005685-1	**Tune File ID**	: deg1205_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	57
68	Less than 2.0% of mass 69	0.3 (.7)1
69		100
70	Less than 2.0% of mass 69	0 (0)1
127	10.0 - 80.0% of Base Peak	55.8
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	24.7
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	17.7
442	Base Peak, or >50% of mass 198	80.3
443	15.0 - 24.0% of mass 442	14.6 (18.2)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
WG2005685-4TFACTOR-B	WG2005685-4	DEG1205	12/05/24 06:11
WG2005685-5TFACTOR-P	WG2005685-5	DEG1205	12/05/24 06:11
WG2005685-3CCAL	WG2005685-3	CCV1205	12/05/24 06:29
WG2005370-1BLANK	WG2005370-1	005370-1	12/05/24 11:50
WG2005370-2LCS	WG2005370-2	005370-2	12/05/24 12:06
WG2005370-3LCSD	WG2005370-3	005370-3	12/05/24 12:23
2A	L2470744-01	70744-01	12/05/24 12:39
2B	L2470744-02	70744-02	12/05/24 13:11
3A	L2470744-03	70744-03	12/05/24 13:27
3B	L2470744-04	70744-04	12/05/24 13:43
WG2005370-4MS	WG2005370-4	005370-4	12/05/24 14:00
WG2005370-5MSD	WG2005370-5	005370-5	12/05/24 14:16
4A	L2470744-05	70744-05	12/05/24 14:32
4B	L2470744-06	70744-06	12/05/24 17:14
5A	L2470744-07	70744-07	12/05/24 17:30
5B	L2470744-08	70744-08	12/05/24 17:46
6A	L2470744-09	70744-09	12/05/24 18:02

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV125	**Analysis Date**	: 12/09/24 07:31
Tune Standard	: WG2006821-1	**Tune File ID**	: deg1209a_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	56.5
68	Less than 2.0% of mass 69	0.5 (1.1)1
69		100
70	Less than 2.0% of mass 69	0 (0)1
127	10.0 - 80.0% of Base Peak	55
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	7.3
275	10.0 - 60.0% of Base Peak	23.2
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	17.2
442	Base Peak, or >50% of mass 198	78.2
443	15.0 - 24.0% of mass 442	15.4 (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
WG2006821-4TFACTOR-B	WG2006821-4	DEG1209A	12/09/24 07:31
WG2006821-5TFACTOR-P	WG2006821-5	DEG1209A	12/09/24 07:31
WG2006821-3CCAL	WG2006821-3	CCV1209B	12/09/24 08:32
7A	L2470744-11	70744-11	12/09/24 09:53
7B	L2470744-12	70744-12	12/09/24 10:09
8A	L2470744-13	70744-13	12/09/24 10:25
8B	L2470744-14	70744-14	12/09/24 10:41
9A	L2470744-15	70744-15	12/09/24 10:58
WG2006681-2LCS	WG2006681-2	006681-2	12/09/24 11:14
WG2006681-3LCSD	WG2006681-3	006681-3	12/09/24 11:30
WG2006681-1BLANK	WG2006681-1	006681-1	12/09/24 11:46

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV120	**Analysis Date**	: 12/05/24 05:56:00
Sample No	: WG2005462-3	**Lab File ID**	: CCV1205

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2005462-3	253534	2.27	980217	2.92	553137	3.90
Upper Limit	507068	2.77	1960434	3.42	1106274	4.40
Lower Limit	126767	1.77	490109	2.42	276569	3.40
Sample ID						
9B	173639	2.27	654562	2.92	354253	3.90
10A	215007	2.27	803607	2.93	424223	3.90
10B	225366	2.27	846520	2.92	447803	3.90
DUP 001	191312	2.27	722458	2.92	387212	3.90
FIELD BLANK	188618	2.27	706524	2.93	378273	3.90

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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV120	**Analysis Date**	: 12/05/24 05:56:00
Sample No	: WG2005462-3	**Lab File ID**	: CCV1205

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2005462-3	1056252	4.74	893857	6.30	870545	7.51
Upper Limit	2112504	5.24	1787714	6.80	1741090	8.01
Lower Limit	528126	4.24	446929	5.80	435273	7.01
Sample ID						
9B	659689	4.74	557195	6.29	497307	7.50
10A	749786	4.74	574839	6.29	502562	7.50
10B	781255	4.74	603552	6.29	520499	7.49
DUP 001	709882	4.74	581394	6.29	512261	7.50
FIELD BLANK	676081	4.74	569935	6.29	503470	7.50

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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV125	**Analysis Date**	: 12/05/24 06:29:00
Sample No	: WG2005685-3	**Lab File ID**	: CCV1205

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2005685-3	632709	2.28	2356386	2.95	1484083	3.92
Upper Limit	1265418	2.78	4712772	3.45	2968166	4.42
Lower Limit	316355	1.78	1178193	2.45	742042	3.42
Sample ID						
WG2005370-1 BLANK	517111	2.26	1862589	2.93	1066032	3.91
WG2005370-2 LCS	580454	2.28	2212320	2.94	1257798	3.92
WG2005370-3 LCSD	645634	2.29	2444748	2.95	1403165	3.92
2A	635699	2.29	2278458	2.95	1348929	3.92
2B	697799	2.29	2517593	2.95	1488175	3.93
3A	662314	2.29	2396932	2.95	1405758	3.93
3B	677069	2.29	2443564	2.95	1448452	3.93
3B MS	692754	2.29	2623695	2.95	1520338	3.93
3B MSD	671314	2.29	2567466	2.95	1468146	3.93
4A	660891	2.29	2404861	2.95	1415123	3.93
4B	762674	2.29	2742290	2.95	1623921	3.93
5A	747013	2.29	2690408	2.95	1574588	3.93
5B	733807	2.29	2650501	2.95	1548086	3.93
6A	715107	2.29	2595058	2.95	1548989	3.93

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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV125	**Analysis Date**	: 12/05/24 06:29:00
Sample No	: WG2005685-3	**Lab File ID**	: CCV1205

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2005685-3	3199114	4.77	3334220	6.32	3903811	7.55
Upper Limit	6398228	5.27	6668440	6.82	7807622	8.05
Lower Limit	1599557	4.27	1667110	5.82	1951906	7.05
Sample ID						
WG2005370-1 BLANK	2180145	4.76	2259537	6.38	2561238	7.61
WG2005370-2 LCS	2547264	4.76	2532011	6.32	2897091	7.54
WG2005370-3 LCSD	2847432	4.76	2863717	6.32	3278439	7.54
2A	2772429	4.76	2907349	6.31	3213691	7.53
2B	3037869	4.77	3093990	6.31	3424239	7.53
3A	2854698	4.77	2887927	6.31	3196678	7.53
3B	2944136	4.77	3019343	6.31	3321583	7.54
3B MS	3017576	4.77	3031403	6.31	3498330	7.54
3B MSD	2895089	4.77	2836332	6.31	3275290	7.54
4A	2856537	4.77	2878507	6.31	3108560	7.53
4B	3161022	4.77	3179072	6.31	3531029	7.54
5A	3100131	4.77	3064575	6.31	3381869	7.54
5B	3039554	4.77	3027164	6.31	3348768	7.53
6A	3053507	4.77	2992081	6.31	3272925	7.54

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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV125	**Analysis Date**	: 12/09/24 08:32:00
Sample No	: WG2006821-3	**Lab File ID**	: CCV1209B

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2006821-3	620723	2.24	2184118	2.91	1298651	3.90
Upper Limit	1241446	2.74	4368236	3.41	2597302	4.40
Lower Limit	310362	1.74	1092059	2.41	649326	3.40
Sample ID						
7A	465908	2.26	1788625	2.92	1097199	3.91
7B	422817	2.26	1575450	2.93	932079	3.91
8A	475566	2.27	1775848	2.93	1059797	3.91
8B	517673	2.27	1968239	2.93	1197193	3.91
9A	496465	2.27	1873582	2.93	1158024	3.91
WG2006681-2 LCS	545184	2.27	2084484	2.93	1204015	3.91
WG2006681-3 LCSD	509690	2.27	1943698	2.93	1131978	3.91
WG2006681-1 BLANK	450771	2.27	1662711	2.93	967391	3.91

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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV125	**Analysis Date**	: 12/09/24 08:32:00
Sample No	: WG2006821-3	**Lab File ID**	: CCV1209B

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2006821-3	2706375	4.76	2815094	6.41	3104537	7.65
Upper Limit	5412750	5.26	5630188	6.91	6209074	8.15
Lower Limit	1353188	4.26	1407547	5.91	1552269	7.15
Sample ID						
7A	2325365	4.75	2353599	6.33	2497468	7.56
7B	1959685	4.75	2129484	6.32	2351752	7.55
8A	2196410	4.76	2385854	6.32	2641709	7.55
8B	2477447	4.76	2656049	6.33	2967971	7.56
9A	2413147	4.76	2598808	6.32	2903633	7.55
WG2006681-2 LCS	2426928	4.76	2466643	6.32	2786403	7.55
WG2006681-3 LCSD	2318604	4.76	2359131	6.32	2633192	7.55
WG2006681-1 BLANK	1998986	4.76	2141643	6.32	2368159	7.54

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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV118	**Analysis Date**	: 12/10/24 06:12:00
Sample No	: WG2007182-3	**Lab File ID**	: CCV1210

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2007182-3	429278	2.23	1519752	2.90	864221	3.88
Upper Limit	858556	2.73	3039504	3.40	1728442	4.38
Lower Limit	214639	1.73	759876	2.40	432111	3.38
Sample ID						
6B	387601	2.22	1420410	2.89	801836	3.87

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	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV118	**Analysis Date**	: 12/10/24 06:12:00
Sample No	: WG2007182-3	**Lab File ID**	: CCV1210

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2007182-3	1771774	4.72	1693454	6.26	1654379	7.46
Upper Limit	3543548	5.22	3386908	6.76	3308758	7.96
Lower Limit	885887	4.22	846727	5.76	827190	6.96
Sample ID						
6B	1613368	4.71	1600486	6.29	1610748	7.50

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: 03/07/23
Created By: Jason Hebert
File: PM14021-1
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EPA 8270E Low Level PAH (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	0.1	0.035	ug/l	40-140	40	40-140	40	40			
2-Chloronaphthalene	91-58-7	0.2	0.035	ug/l	40-140	40	40-140	40	40			
Fluoranthene	206-44-0	0.1	0.038	ug/l	40-140	40	40-140	40	40			
Hexachlorobutadiene	87-68-3	0.5	0.036	ug/l	40-140	40	40-140	40	40			
Naphthalene	91-20-3	0.1	0.043	ug/l	40-140	40	40-140	40	40			
Benzo(a)anthracene	56-55-3	0.1	0.018	ug/l	40-140	40	40-140	40	40			
Benzo(a)pyrene	50-32-8	0.1	0.039	ug/l	40-140	40	40-140	40	40			
Benzo(b)fluoranthene	205-99-2	0.1	0.016	ug/l	40-140	40	40-140	40	40			
Benzo(k)fluoranthene	207-08-9	0.1	0.042	ug/l	40-140	40	40-140	40	40			
Chrysene	218-01-9	0.1	0.038	ug/l	40-140	40	40-140	40	40			
Acenaphthylene	208-96-8	0.1	0.035	ug/l	40-140	40	40-140	40	40			
Anthracene	120-12-7	0.1	0.035	ug/l	40-140	40	40-140	40	40			
Benzo(ghi)perylene	191-24-2	0.1	0.042	ug/l	40-140	40	40-140	40	40			
Fluorene	86-73-7	0.1	0.037	ug/l	40-140	40	40-140	40	40			
Phenanthrene	85-01-8	0.1	0.015	ug/l	40-140	40	40-140	40	40			
Dibenzo(a,h)anthracene	53-70-3	0.1	0.039	ug/l	40-140	40	40-140	40	40			
Indeno(1,2,3-cd)Pyrene	193-39-5	0.1	0.04	ug/l	40-140	40	40-140	40	40			
Pyrene	129-00-0	0.1	0.04	ug/l	40-140	40	40-140	40	40			
1-Methylnaphthalene	90-12-0	0.1	0.041	ug/l	40-140	40	40-140	40	40			
2-Methylnaphthalene	91-57-6	0.1	0.045	ug/l	40-140	40	40-140	40	40			
Pentachlorophenol	87-86-5	0.8	0.22	ug/l	40-140	40	40-140	40	40			
Hexachlorobenzene	118-74-1	0.8	0.032	ug/l	40-140	40	40-140	40	40			
Hexachloroethane	67-72-1	0.8	0.03	ug/l	40-140	40	40-140	40	40			
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 the laboratory.

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

EPA 8270E Low Level PAH (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	6.68	1.4028	ug/kg	40-140	50	40-140	50	50			
2-Chloronaphthalene	91-58-7	6.68	0.8684	ug/kg	40-140	50	40-140	50	50			
Fluoranthene	206-44-0	6.68	0.4676	ug/kg	40-140	50	40-140	50	50			
Hexachlorobutadiene	87-68-3	6.68	0.9352	ug/kg	34-107	50	40-140	50	50			
Naphthalene	91-20-3	6.68	1.2024	ug/kg	40-140	50	40-140	50	50			
Benzo(a)anthracene	56-55-3	6.68	0.6346	ug/kg	40-140	50	40-140	50	50			
Benzo(a)pyrene	50-32-8	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Benzo(b)fluoranthene	205-99-2	6.68	0.6346	ug/kg	40-140	50	40-140	50	50			
Benzo(k)fluoranthene	207-08-9	6.68	0.6012	ug/kg	40-140	50	40-140	50	50			
Chrysene	218-01-9	6.68	0.501	ug/kg	40-140	50	40-140	50	50			
Acenaphthylene	208-96-8	6.68	0.835	ug/kg	40-140	50	40-140	50	50			
Anthracene	120-12-7	6.68	0.5344	ug/kg	40-140	50	40-140	50	50			
Benzo(ghi)perylene	191-24-2	6.68	0.5678	ug/kg	40-140	50	40-140	50	50			
Fluorene	86-73-7	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Phenanthrene	85-01-8	6.68	0.5678	ug/kg	40-140	50	40-140	50	50			
Dibenzo(a,h)anthracene	53-70-3	6.68	0.668	ug/kg	40-140	50	40-140	50	50			
Indeno(1,2,3-cd)Pyrene	193-39-5	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Pyrene	129-00-0	6.68	0.4676	ug/kg	35-142	50	35-142	50	50			
1-Methylnaphthalene	90-12-0	6.68	1.0354	ug/kg	40-140	50	40-140	50	50			
2-Methylnaphthalene	91-57-6	6.68	1.9038	ug/kg	40-140	50	40-140	50	50			
Pentachlorophenol	87-86-5	26.72	2.9392	ug/kg	17-109	50	17-109	50	50			
Hexachlorobenzene	118-74-1	6.68	0.7014	ug/kg	40-140	50	40-140	50	50			
Hexachloroethane	67-72-1	6.68	1.2358	ug/kg	29-106	50	40-140	50	50			
2-Fluorophenol	*367-12-4*									*25-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*30-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-136*		
4-Terphenyl-d14	*1718-51-0*									*18-120*		

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 he laboratory.

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-01	Date Collected	: 12/02/24 11:15
Client ID	: 2A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 12:39
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-01	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	0.03	0.80	0.01	J
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-02	Date Collected	: 12/02/24 11:11
Client ID	: 2B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 13:11
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-02	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.03	0.10	0.03	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	0.05	0.10	0.03	J
207-08-9	Benzo(k)fluoranthene	0.04	0.10	0.03	J
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	0.04	0.10	0.02	J
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	0.03	0.10	0.02	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.04	0.10	0.02	J
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	0.02	0.80	0.01	J
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-03	Date Collected	: 12/02/24 10:00
Client ID	: 3A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 13:27
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-03	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.03	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	0.04	0.10	0.02	J
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	0.05	0.10	0.02	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	0.10	0.02	J
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-04	Date Collected	: 12/02/24 10:05
Client ID	: 3B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 13:43
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-04	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-05	Date Collected	: 12/03/24 08:20
Client ID	: 4A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 14:32
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-05	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.04	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-06	Date Collected	: 12/03/24 08:40
Client ID	: 4B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 17:14
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-06	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-07	Date Collected	: 12/03/24 09:20
Client ID	: 5A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 17:30
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-07	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-08	Date Collected	: 12/03/24 09:55
Client ID	: 5B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 17:46
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-08	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-09	Date Collected	: 12/02/24 14:20
Client ID	: 6A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 18:02
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-09	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-10	Date Collected	: 12/02/24 14:03
Client ID	: 6B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/10/24 07:11
Sample Matrix	: WATER	Date Extracted	: 12/09/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-10	Analyst	: KMH
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-11	Date Collected	: 12/03/24 14:45
Client ID	: 7A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/09/24 09:53
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-11	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.94	0.10	0.02	
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	0.10	0.10	0.02	
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	0.04	0.10	0.03	J
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	0.04	0.10	0.04	J
91-57-6	2-Methylnaphthalene	0.09	0.10	0.03	J
87-86-5	Pentachlorophenol	0.20	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-12	Date Collected	: 12/02/24 12:45
Client ID	: 7B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/09/24 10:09
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-12	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-13	Date Collected	: 12/03/24 13:25
Client ID	: 8A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/09/24 10:25
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-13	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	0.13	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-14	Date Collected	: 12/03/24 13:27
Client ID	: 8B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/09/24 10:41
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-14	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.03	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	0.15	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-15	Date Collected	: 12/03/24 12:30
Client ID	: 9A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/09/24 10:58
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-15	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	0.14	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-16	Date Collected	: 12/03/24 12:35
Client ID	: 9B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 15:34
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-16	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-17	Date Collected	: 12/03/24 11:40
Client ID	: 10A	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 15:50
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-17	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-18	Date Collected	: 12/03/24 11:45
Client ID	: 10B	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 16:06
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-18	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-19	Date Collected	: 12/02/24 00:00
Client ID	: DUP 001	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 16:22
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-19	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2470744-21	Date Collected	: 12/03/24 15:55
Client ID	: FIELD BLANK	Date Received	: 12/03/24
Sample Location	: MIDDLE ISLAND	Date Analyzed	: 12/05/24 16:38
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 70744-21	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.23	0.10	0.02	
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.03	0.10	0.03	J
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: WG2005370-1	Date Collected	: NA
Client ID	: WG2005370-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/05/24 11:50
Sample Matrix	: WATER	Date Extracted	: 12/04/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 005370-1	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.03	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: WG2006681-1	Date Collected	: NA
Client ID	: WG2006681-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/09/24 11:46
Sample Matrix	: WATER	Date Extracted	: 12/09/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 006681-1	Analyst	: KMH
Sample Amount	: 100 ml	Instrument ID	: SV125
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
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	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-01.D
Acq On : 05 Dec 2024 12:39 pm
Operator : SV125:dv
Sample : L2470744-01,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 11:11:40 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.291	152	635699	4000.000	ng/ml	0.00
Standard Area 1 = 632709			Recovery = 100.47%			
8) Naphthalene-d8	2.949	136	2278458	4000.000	ng/ml	0.00
Standard Area 1 = 2356386			Recovery = 96.69%			
17) Acenaphthene-d10	3.923	164	1348929	4000.000	ng/ml	0.00
Standard Area 1 = 1484083			Recovery = 90.89%			
22) Phenanthrene-d10	4.764	188	2772429	4000.000	ng/ml	0.00
Standard Area 1 = 3199114			Recovery = 86.66%			
31) Chrysene-d12	6.311	240	2907349	4000.000	ng/ml	-0.01
Standard Area 1 = 3334220			Recovery = 87.20%			
36) Perylene-d12	7.530	264	3213691	4000.000	ng/ml	-0.02
Standard Area 1 = 3903811			Recovery = 82.32%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.707	112	192355	1126.132	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.31%			
3) Phenol-d6	2.108	99	168982	781.641	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 39.08%			
7) Nitrobenzene-d5	2.572	82	175733	954.766	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.48%			
13) 2-Fluorobiphenyl	3.545	172	437873	863.901	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 86.39%			
21) 2,4,6-Tribromophenol	4.370	330	146393	2000.937	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 100.05%			
30) 4-Terphenyl-d14	5.672	244	665295	1040.770	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 104.08%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	0.000		0	N.D.	d	
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.551	284	502M6	2.824	ng/ml	
25) Pentachlorophenol	0.000		0	N.D.	d	

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-01.D
Acq On : 05 Dec 2024 12:39 pm
Operator : SV125:dv
Sample : L2470744-01,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 11:11:40 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

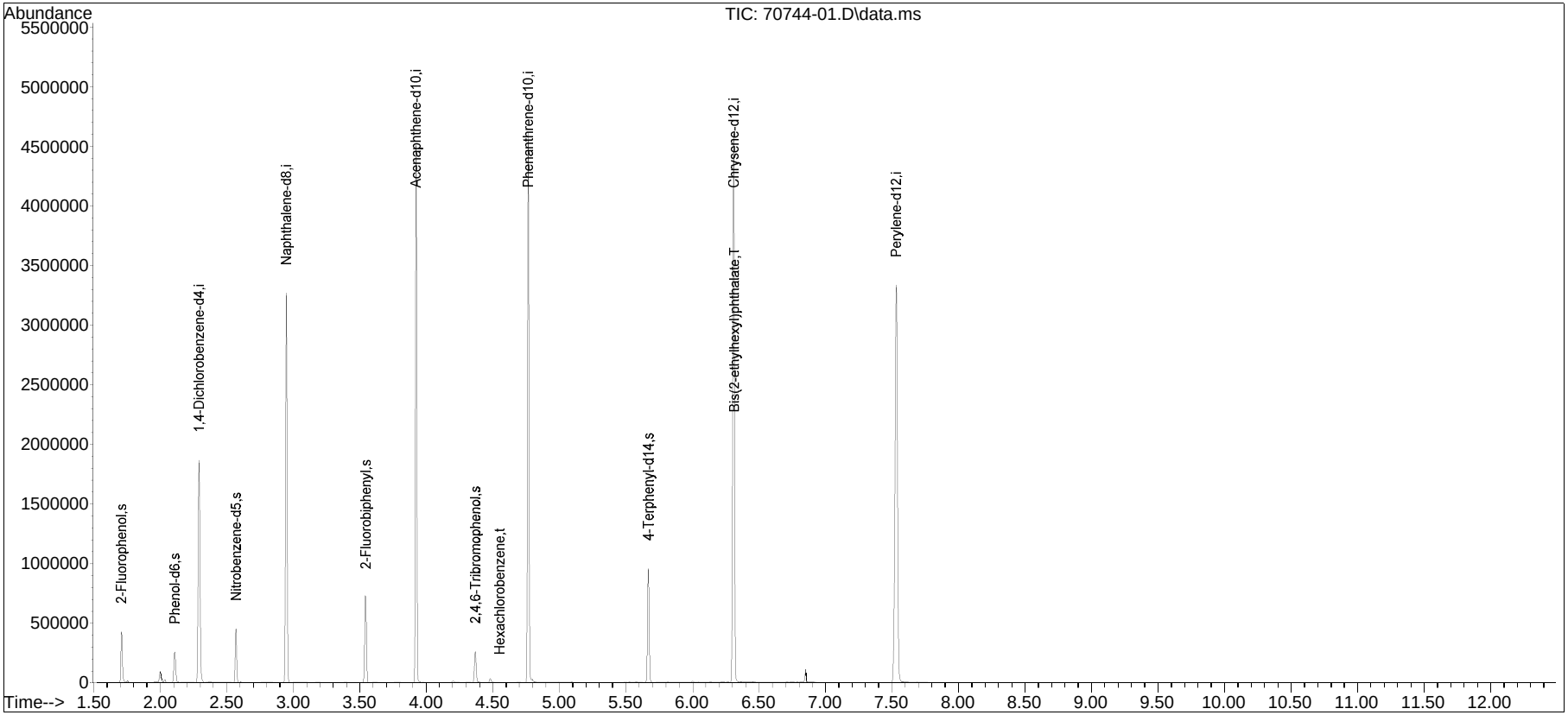
(#) = qualifier out of range (m) = manual integration (+) = signals summed

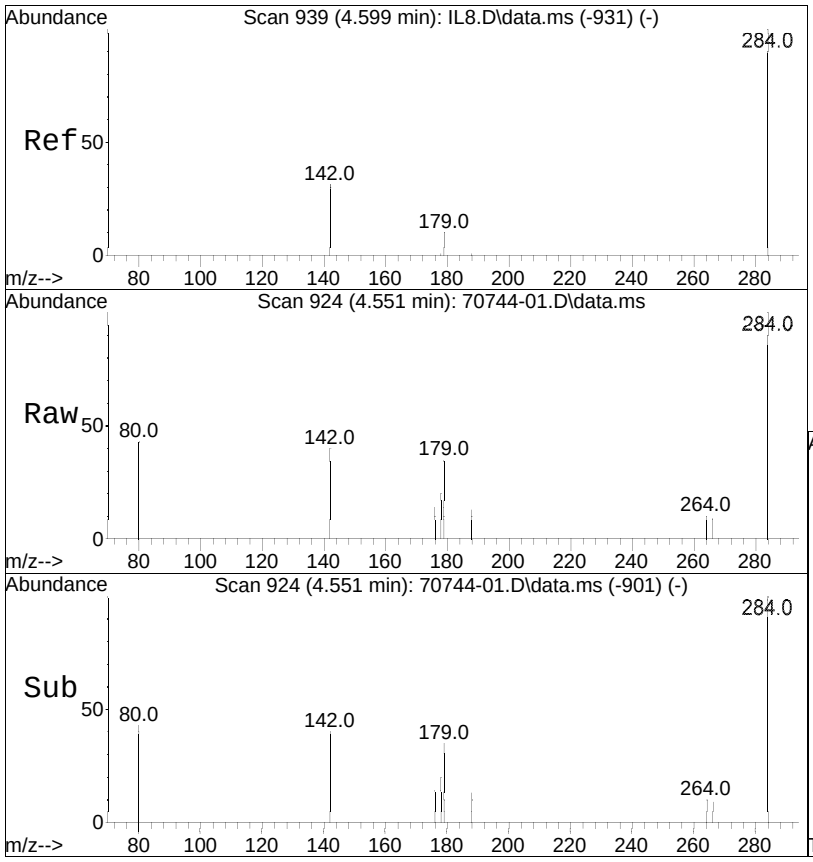
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-01.D
Acq On : 05 Dec 2024 12:39 pm
Operator : SV125:dv
Sample : L2470744-01,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 06 11:11:40 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•

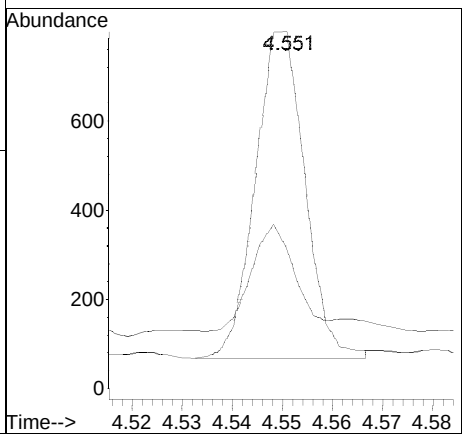




#24
Hexachlorobenzene
Concen: 2.82 ng/ml M6
RT: 4.551 min Scan# 924
Delta R.T. 0.002 min
Lab File: 70744-01.D
Acq: 05 Dec 2024 12:39 pm

Tgt Ion:284 Resp: 502

Ion	Ratio	Lower	Upper
284	100		
142	28.9	25.4	38.0

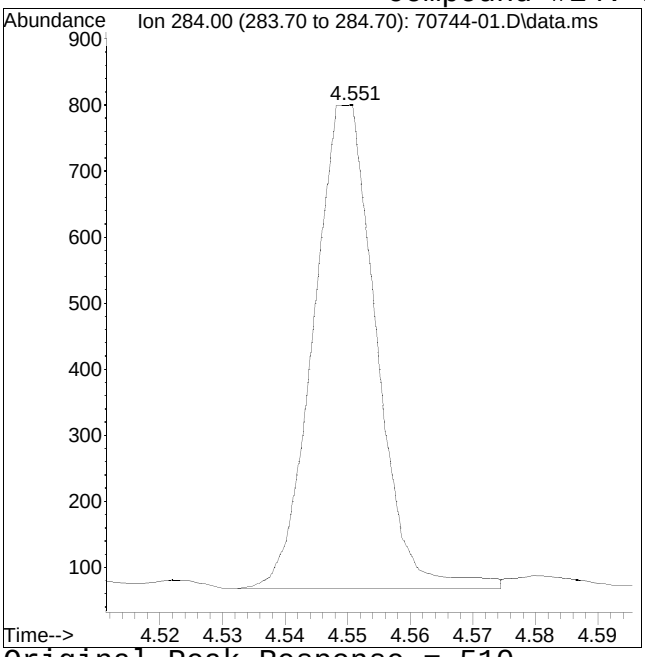


Manual Integration Report

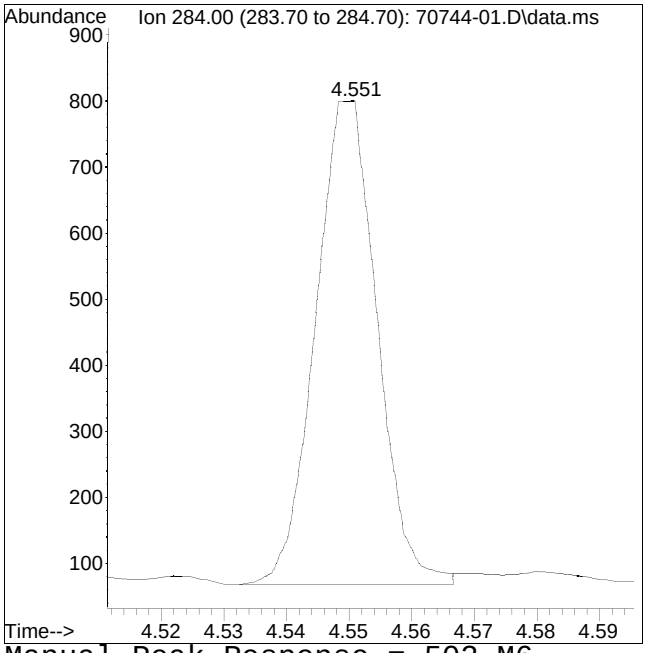
Data Path : I:\8270SIM\SV125\241205RVTQ
Data File : 70744-01.D
Date Inj'd : 12/5/2024 12:39 pm
Sample : L2470744-01,32,,kmh

Method : SIM-RVT_241105n_sv125.M
Operator : SV125:dv
Instrument : SV125
Quant Date : 12/5/2024 12:54 pm

Compound #24: Hexachlorobenzene



Original Peak Response = 510



Manual Peak Response = 502 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-02.D
Acq On : 05 Dec 2024 01:11 pm
Operator : SV125:dv
Sample : L2470744-02,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 06 11:13:05 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.293	152	697799	4000.000	ng/ml	0.00
Standard Area 1 = 632709			Recovery = 110.29%			
8) Naphthalene-d8	2.953	136	2517593	4000.000	ng/ml	0.00
Standard Area 1 = 2356386			Recovery = 106.84%			
17) Acenaphthene-d10	3.926	164	1488175	4000.000	ng/ml	0.00
Standard Area 1 = 1484083			Recovery = 100.28%			
22) Phenanthrene-d10	4.766	188	3037869	4000.000	ng/ml	0.00
Standard Area 1 = 3199114			Recovery = 94.96%			
31) Chrysene-d12	6.307	240	3093990	4000.000	ng/ml	-0.01
Standard Area 1 = 3334220			Recovery = 92.80%			
36) Perylene-d12	7.531	264	3424239	4000.000	ng/ml	-0.02
Standard Area 1 = 3903811			Recovery = 87.72%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.707	112	192567	1027.044	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.35%			
3) Phenol-d6	2.106	99	175998	741.645	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 37.08%			
7) Nitrobenzene-d5	2.572	82	184691	914.135	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 91.41%			
13) 2-Fluorobiphenyl	3.545	172	485704	867.247	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 86.72%			
21) 2,4,6-Tribromophenol	4.372	330	150115	1859.826	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 92.99%			
30) 4-Terphenyl-d14	5.671	244	707900	1010.657	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 101.07%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	0.000		0	N.D.	d	
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.551	284	474M1	2.433	ng/ml	
25) Pentachlorophenol	0.000		0	N.D.	d	

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-02.D
Acq On : 05 Dec 2024 01:11 pm
Operator : SV125:dv
Sample : L2470744-02,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 06 11:13:05 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	5.455	202	3319	3.442	ng/ml	98
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	7.151	252	4632	4.861	ng/ml	98
38) Benzo[k]fluoranthene	7.175	252	3136	3.601	ng/ml	98
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	8.761	276	3375M6	3.977	ng/ml	
41) Dibenzo[a,h]anthracene	8.794	278	2664M6	3.408	ng/ml	
42) Benzo[g,h,i]perylene	9.110	276	2855	3.462	ng/ml#	73

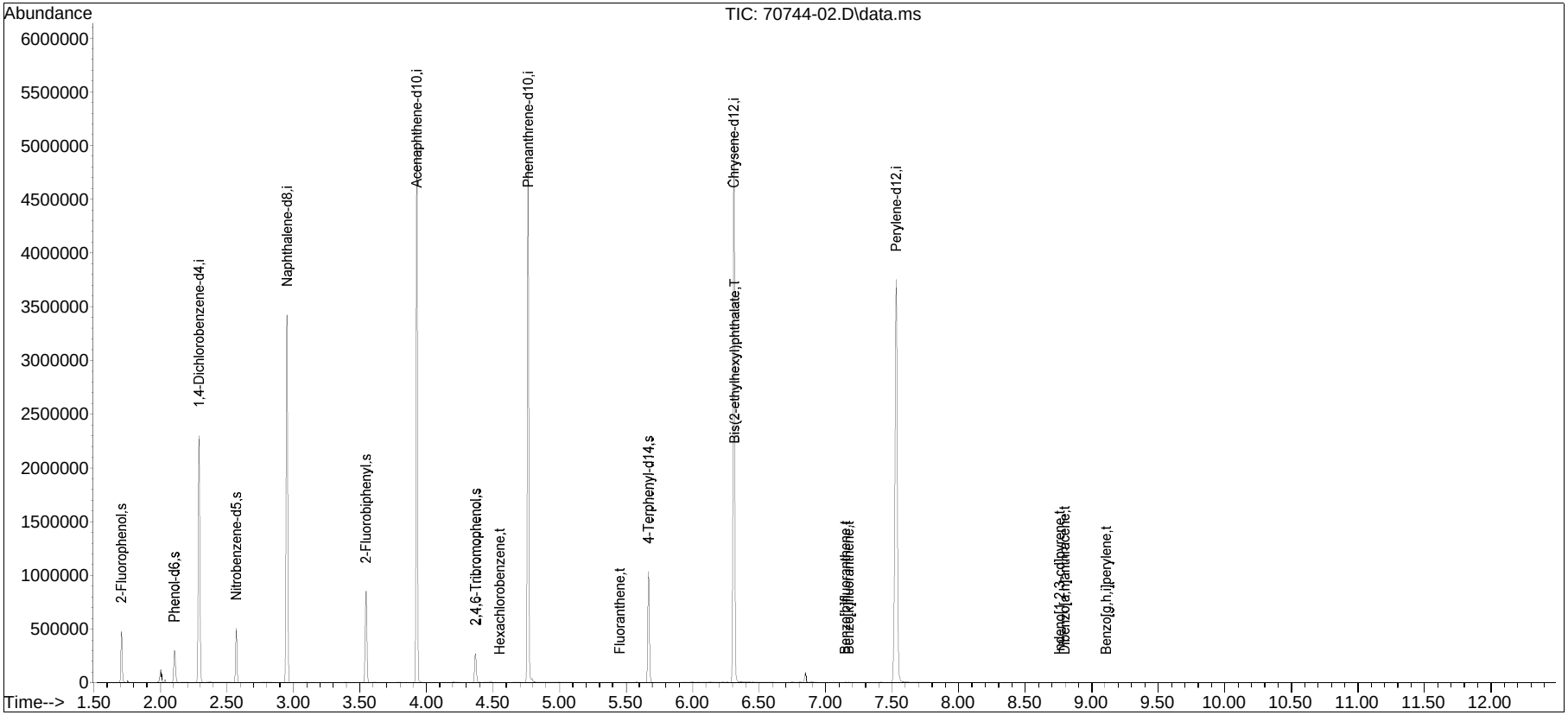
(#) = qualifier out of range (m) = manual integration (+) = signals summed

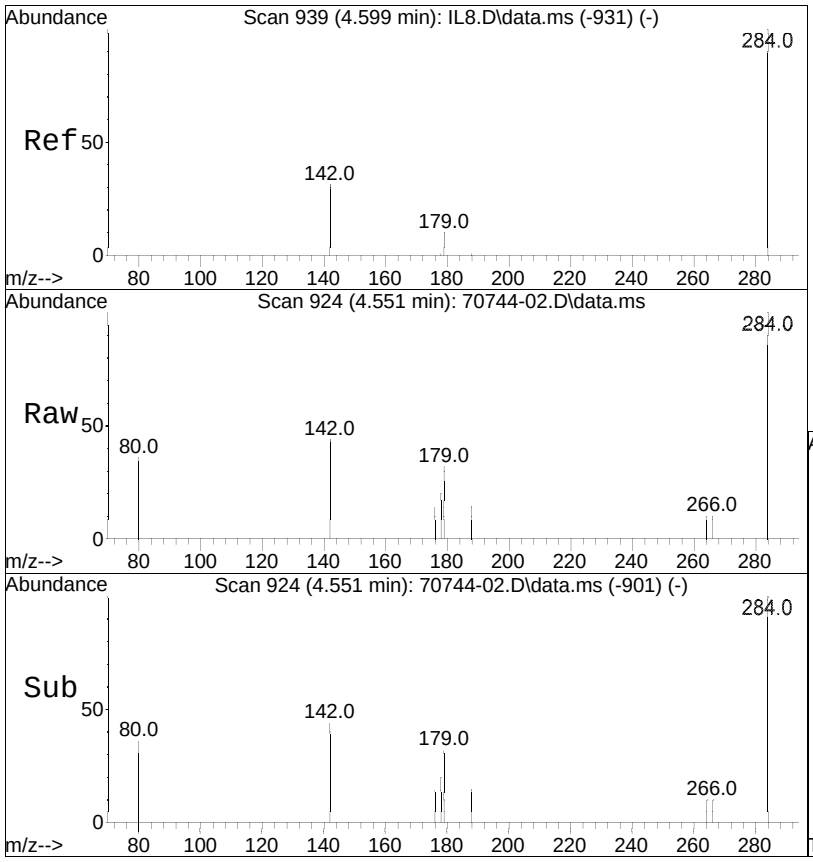
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-02.D
Acq On : 05 Dec 2024 01:11 pm
Operator : SV125:dv
Sample : L2470744-02,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 06 11:13:05 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•

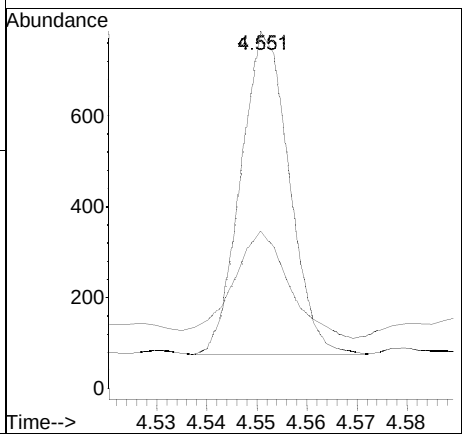


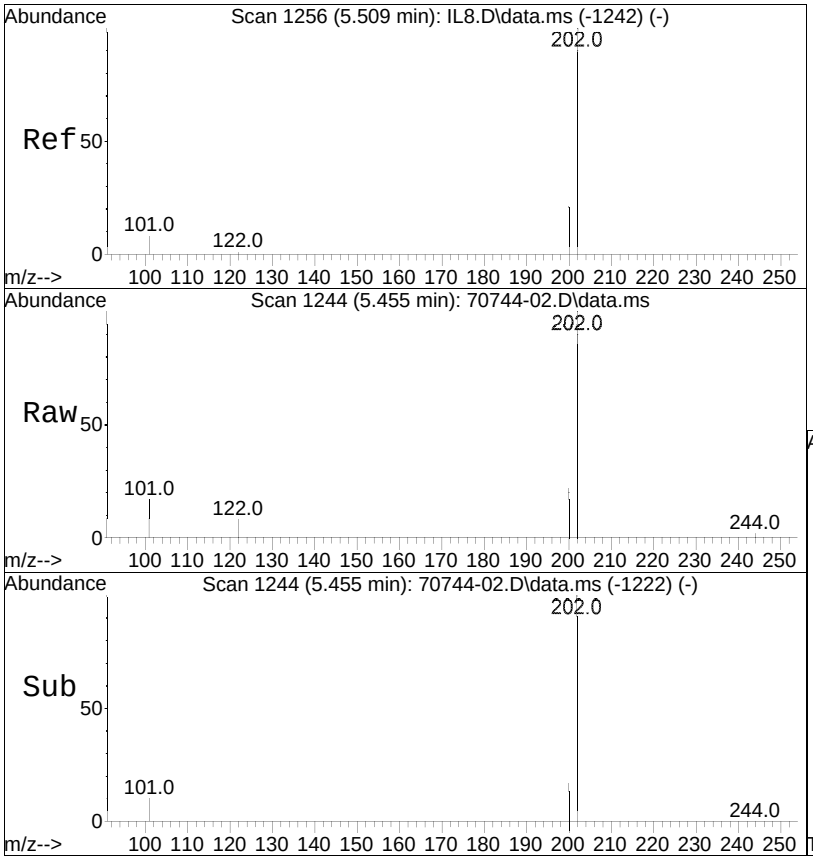


#24
Hexachlorobenzene
Concen: 2.43 ng/ml M1
RT: 4.551 min Scan# 924
Delta R.T. 0.002 min
Lab File: 70744-02.D
Acq: 05 Dec 2024 01:11 pm

Tgt Ion:284 Resp: 474

Ion	Ratio	Lower	Upper
284	100		
142	39.9	25.4	38.0#

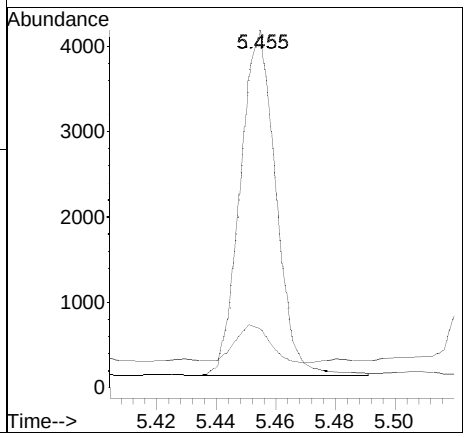


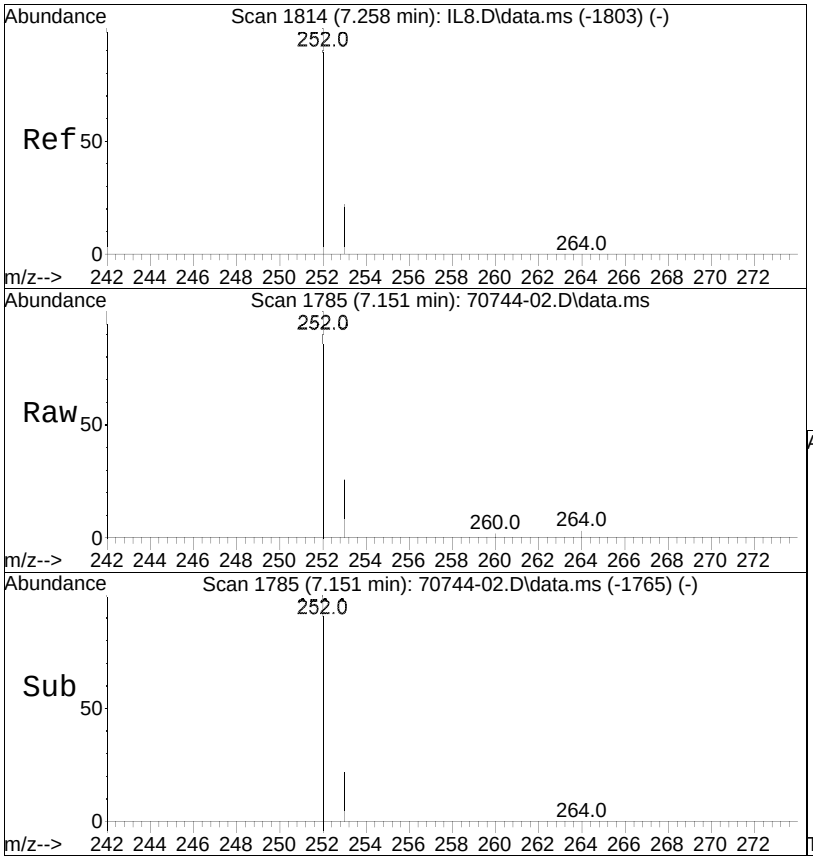


#28
Fluoranthene
Concen: 3.44 ng/ml
RT: 5.455 min Scan# 1244
Delta R.T. -0.001 min
Lab File: 70744-02.D
Acq: 05 Dec 2024 01:11 pm

Tgt Ion:202 Resp: 3319

Ion	Ratio	Lower	Upper
202	100		
101	10.4	7.7	11.5

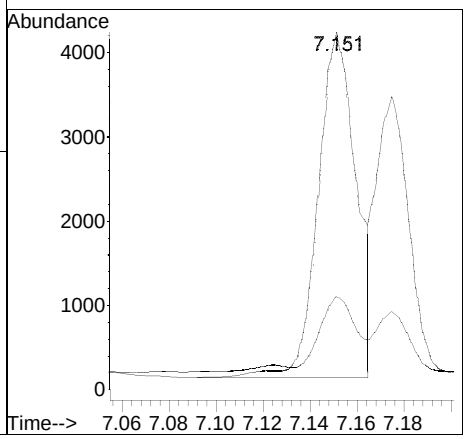


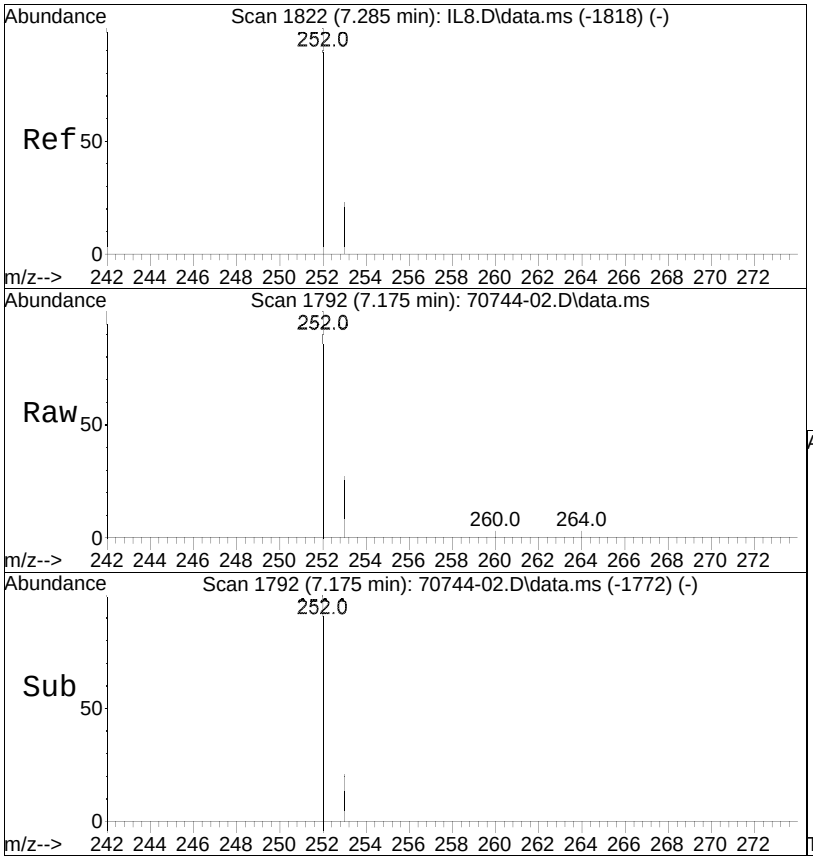


#37
Benzo[b]fluoranthene
Concen: 4.86 ng/ml
RT: 7.151 min Scan# 1785
Delta R.T. -0.013 min
Lab File: 70744-02.D
Acq: 05 Dec 2024 01:11 pm

Tgt Ion:252 Resp: 4632

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4

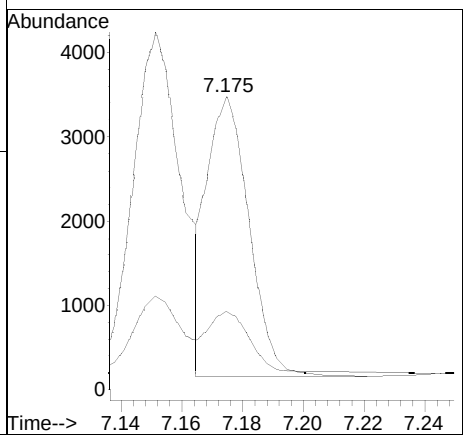


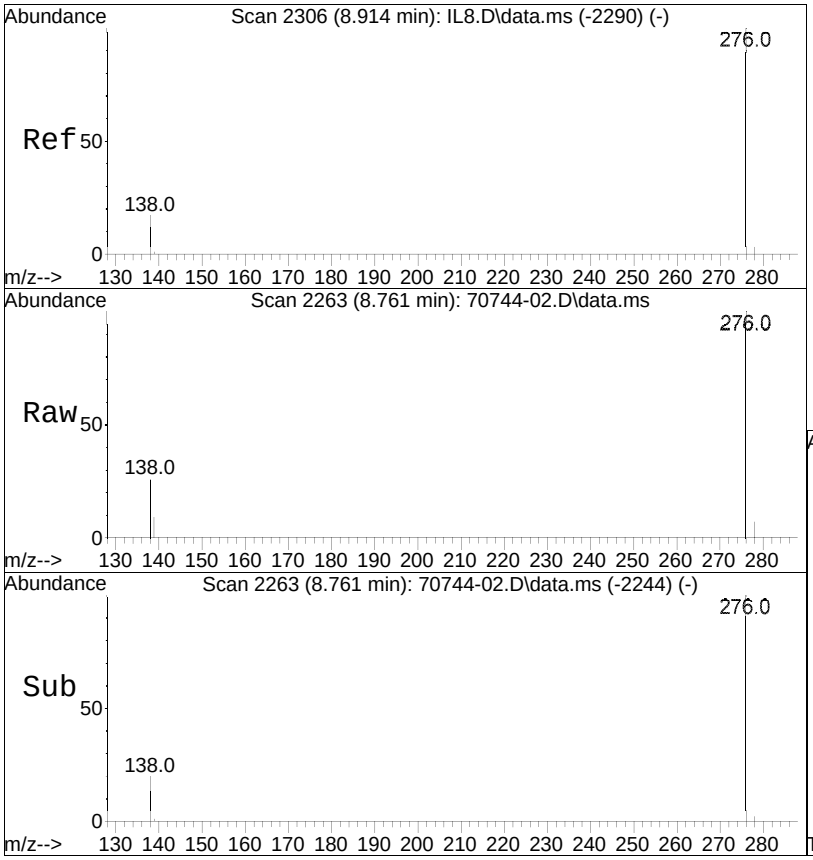


#38
Benzo[k]fluoranthene
Concen: 3.60 ng/ml
RT: 7.175 min Scan# 1792
Delta R.T. -0.013 min
Lab File: 70744-02.D
Acq: 05 Dec 2024 01:11 pm

Tgt Ion:252 Resp: 3136

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8

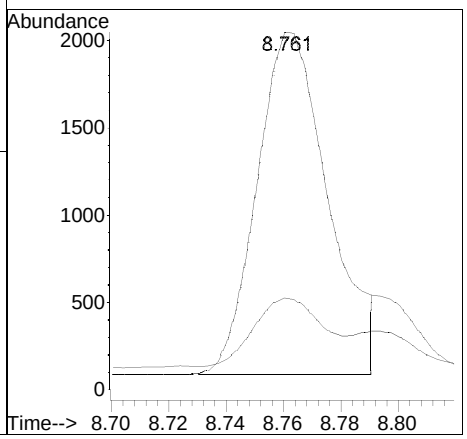


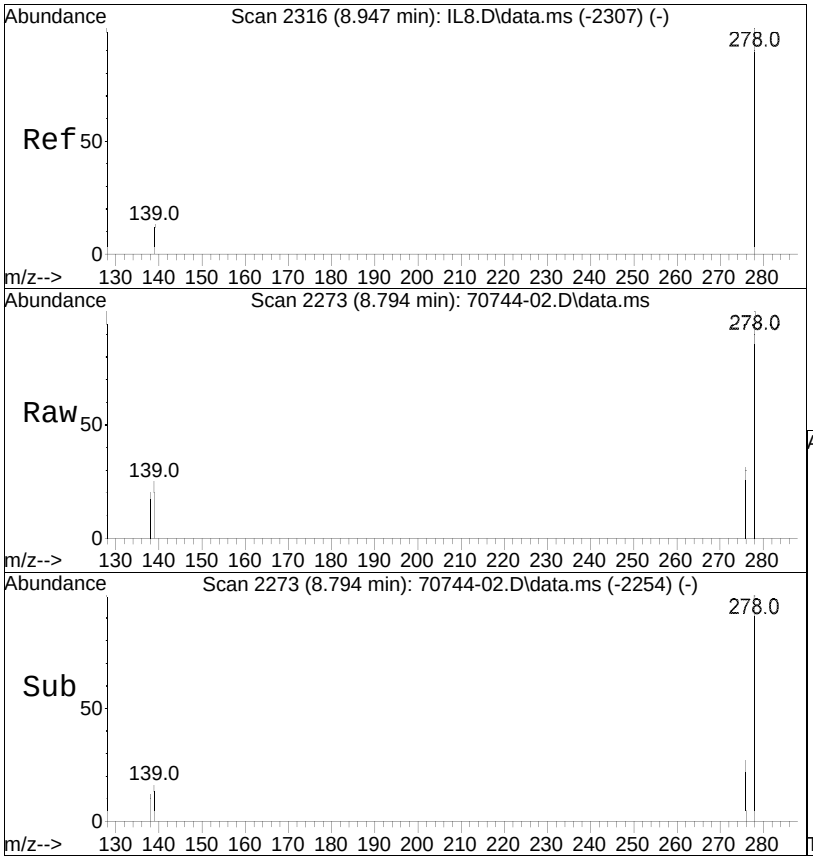


#40
Indeno[1,2,3-cd]pyrene
Concen: 3.98 ng/ml M6
RT: 8.761 min Scan# 2263
Delta R.T. -0.017 min
Lab File: 70744-02.D
Acq: 05 Dec 2024 01:11 pm

Tgt Ion:276 Resp: 3375

Ion	Ratio	Lower	Upper
276	100		
138	19.1	13.3	19.9

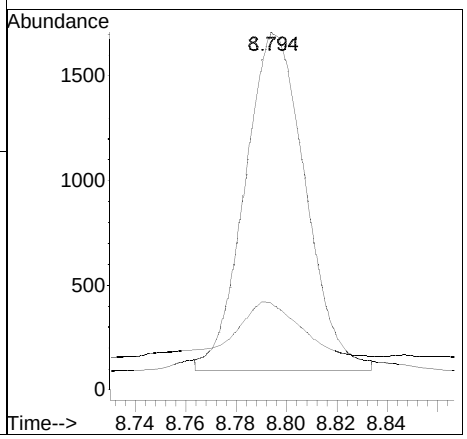


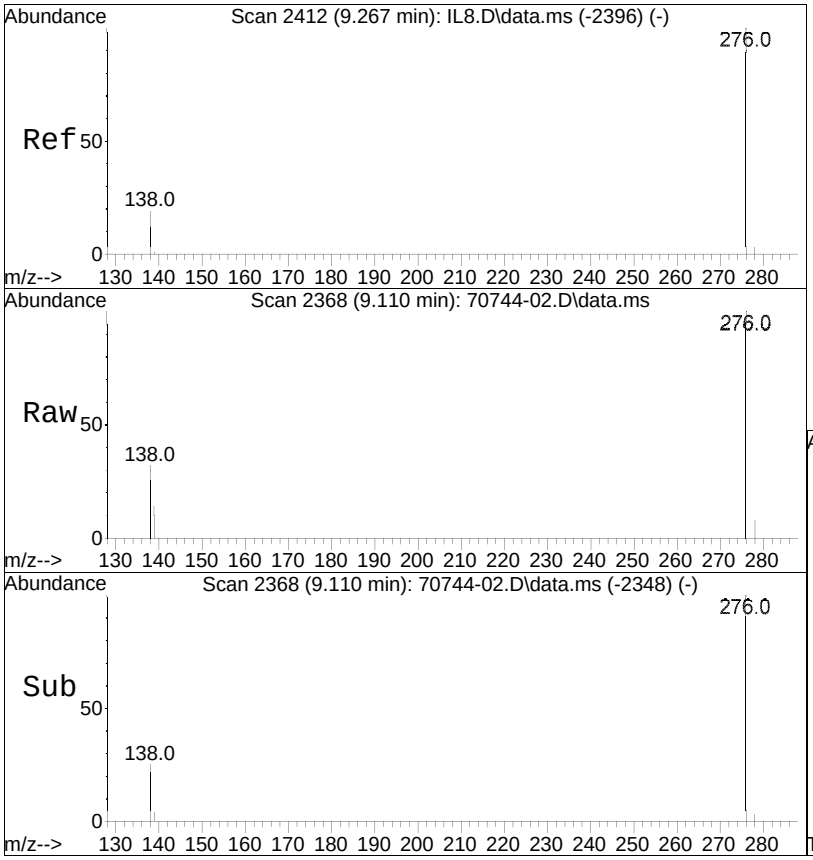


#41
Dibenzo[a,h]anthracene
Concen: 3.41 ng/ml M6
RT: 8.794 min Scan# 2273
Delta R.T. -0.017 min
Lab File: 70744-02.D
Acq: 05 Dec 2024 01:11 pm

Tgt Ion:278 Resp: 2664

Ion	Ratio	Lower	Upper
278	100		
139	16.9	11.1	16.7#

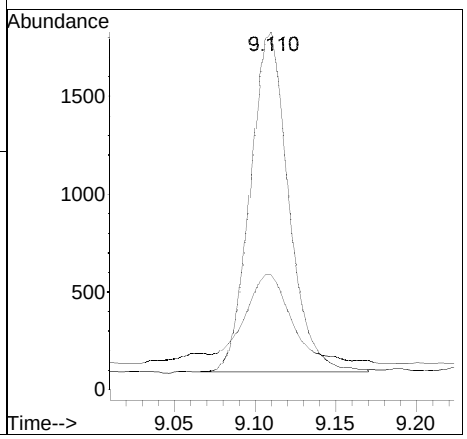




#42
Benzo[g,h,i]perylene
Concen: 3.46 ng/ml
RT: 9.110 min Scan# 2368
Delta R.T. -0.013 min
Lab File: 70744-02.D
Acq: 05 Dec 2024 01:11 pm

Tgt Ion:276 Resp: 2855

Ion	Ratio	Lower	Upper
276	100		
138	30.3	14.6	22.0#

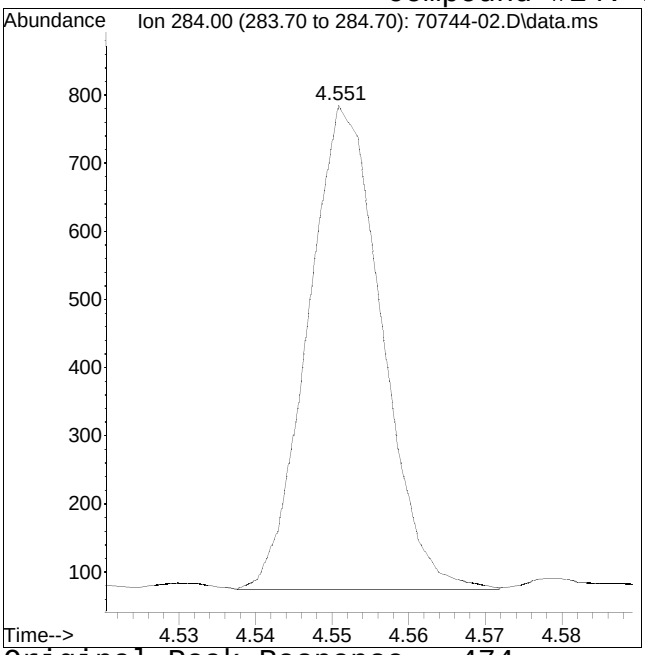


Manual Integration Report

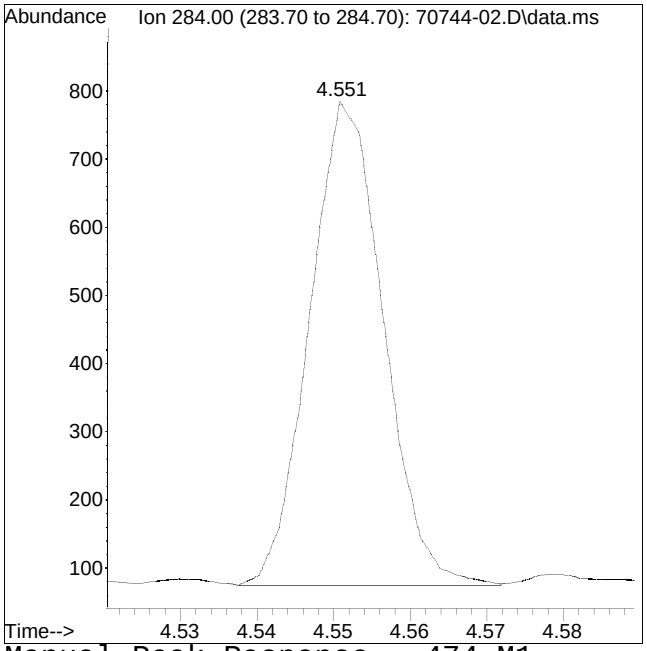
Data Path : I:\8270SIM\SV125\241205RVTQ
Data File : 70744-02.D
Date Inj'd : 12/5/2024 1:11 pm
Sample : L2470744-02,32,,kmh

Method : SIM-RVT_241105n_sv125.M
Operator : SV125:dv
Instrument : SV125
Quant Date : 12/5/2024 1:29 pm

Compound #24: Hexachlorobenzene



Original Peak Response = 474



Manual Peak Response = 474 M1

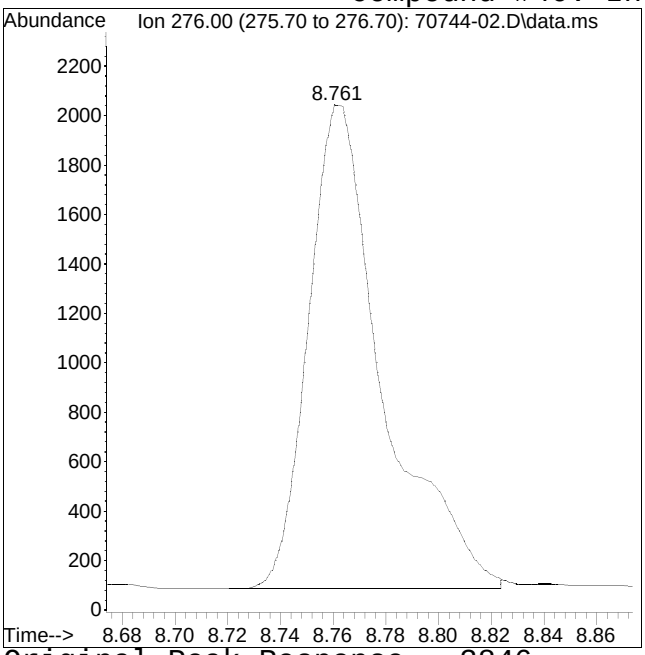
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

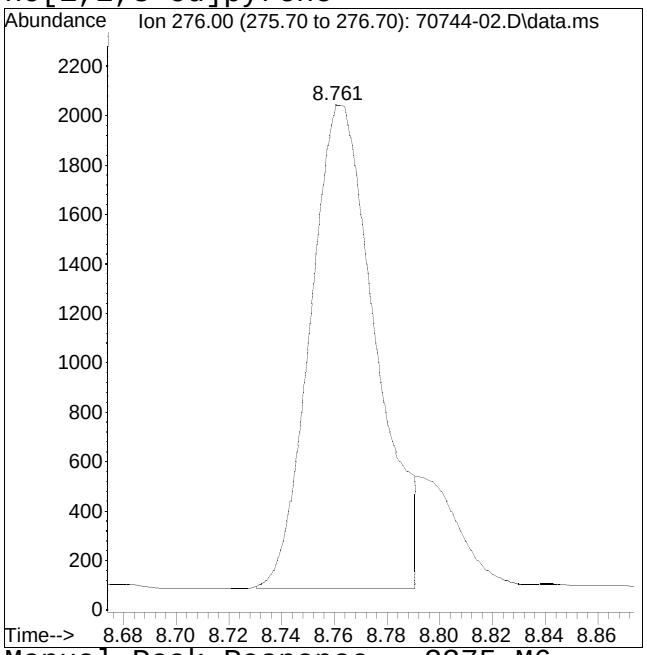
Data Path : I:\8270SIM\SV125\241205RVTQ
Data File : 70744-02.D
Date Inj'd : 12/5/2024 1:11 pm
Sample : L2470744-02,32,,kmh

Method : SIM-RVT_241105n_sv125.M
Operator : SV125:dv
Instrument : SV125
Quant Date : 12/5/2024 1:29 pm

Compound #40: Indeno[1,2,3-cd]pyrene



Original Peak Response = 3846



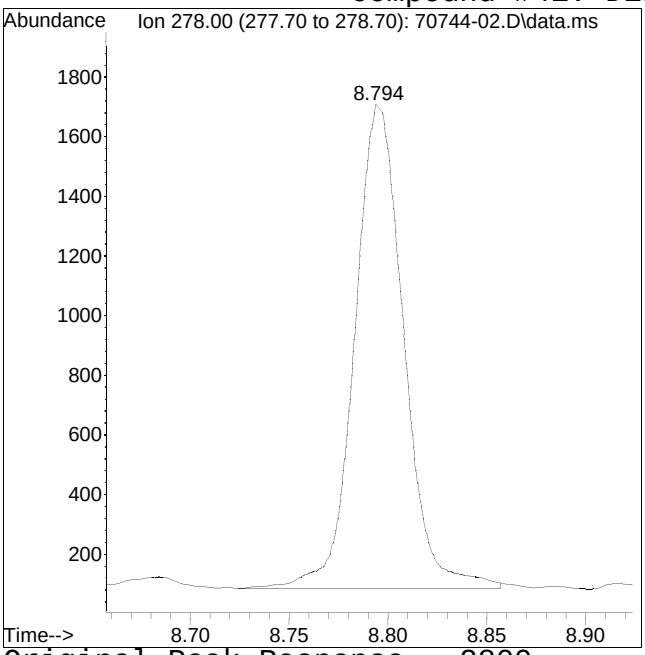
Manual Peak Response = 3375 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

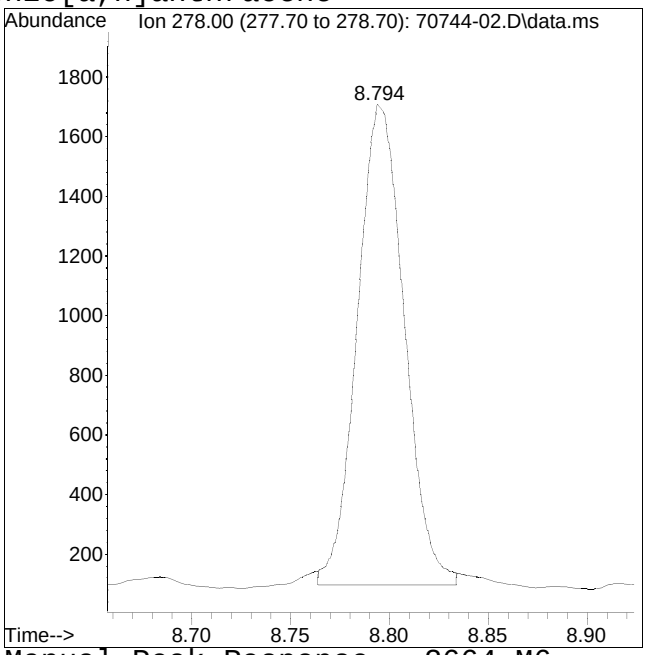
Manual Integration Report

Data Path : I:\8270SIM\SV125\241205RVTQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-02.D Operator : SV125:dv
Date Inj'd : 12/5/2024 1:11 pm Instrument : SV125
Sample : L2470744-02,32,,kmh Quant Date : 12/5/2024 1:29 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2800



Manual Peak Response = 2664 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-03.D
Acq On : 05 Dec 2024 01:27 pm
Operator : SV125:dv
Sample : L2470744-03,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 06 11:14:03 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.294	152	662314	4000.000 ng/ml	0.01
Standard Area 1 = 632709			Recovery	= 104.68%	
8) Naphthalene-d8	2.950	136	2396932	4000.000 ng/ml	0.00
Standard Area 1 = 2356386			Recovery	= 101.72%	
17) Acenaphthene-d10	3.926	164	1405758	4000.000 ng/ml	0.00
Standard Area 1 = 1484083			Recovery	= 94.72%	
22) Phenanthrene-d10	4.765	188	2854698	4000.000 ng/ml	0.00
Standard Area 1 = 3199114			Recovery	= 89.23%	
31) Chrysene-d12	6.310	240	2887927	4000.000 ng/ml	-0.01
Standard Area 1 = 3334220			Recovery	= 86.61%	
36) Perylene-d12	7.532	264	3196678	4000.000 ng/ml	-0.02
Standard Area 1 = 3903811			Recovery	= 81.89%	
System Monitoring Compounds					
2) 2-Fluorophenol	1.708	112	176383	991.129 ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 49.56%	
3) Phenol-d6	2.107	99	149610	664.225 ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 33.21%	
7) Nitrobenzene-d5	2.572	82	148837	776.143 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 77.61%	
13) 2-Fluorobiphenyl	3.546	172	388749	729.072 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 72.91%	
21) 2,4,6-Tribromophenol	4.373	330	136398	1788.956 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 89.45%	
30) 4-Terphenyl-d14	5.672	244	587771	892.995 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 89.30%	
Target Compounds					Qvalue
6) Hexachloroethane	0.000		0	N.D. d	
9) Naphthalene	2.961	128	1917	2.978 ng/ml#	88
10) Hexachlorobutadiene	0.000		0	N.D.	
11) 2-Methylnaphthalene	0.000		0	N.D. d	
14) 2-Chloronaphthalene	0.000		0	N.D. d	
16) Acenaphthylene	0.000		0	N.D. d	
18) Acenaphthene	0.000		0	N.D. d	
20) Fluorene	0.000		0	N.D. d	
24) Hexachlorobenzene	0.000		0	N.D. d	
25) Pentachlorophenol	0.000		0	N.D. d	

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-03.D
Acq On : 05 Dec 2024 01:27 pm
Operator : SV125:dv
Sample : L2470744-03,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 06 11:14:03 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	8.765	276	3802M6	4.799	ng/ml	
41) Dibenzo[a,h]anthracene	8.798	278	3821M6	5.236	ng/ml	
42) Benzo[g,h,i]perylene	9.111	276	3408	4.427	ng/ml#	80

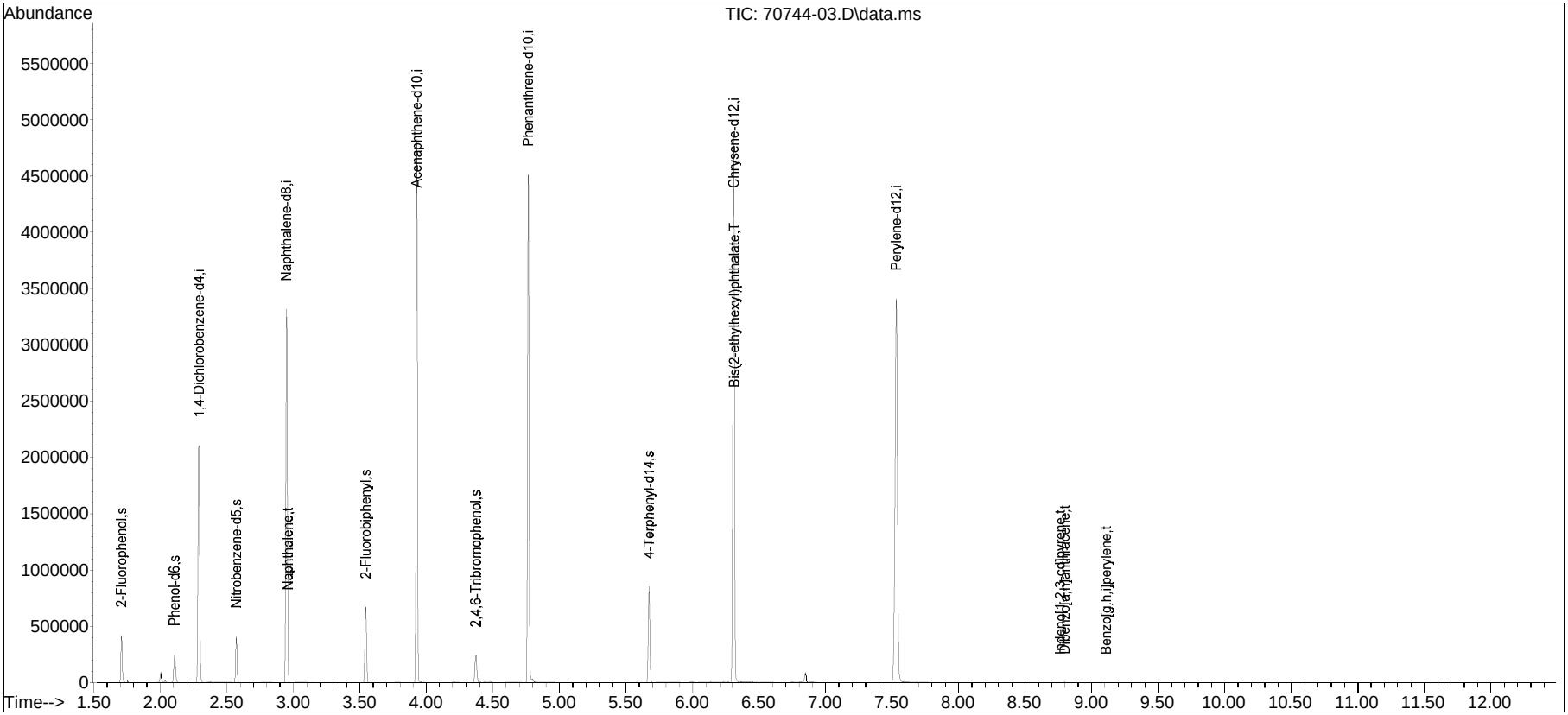
(#) = qualifier out of range (m) = manual integration (+) = signals summed

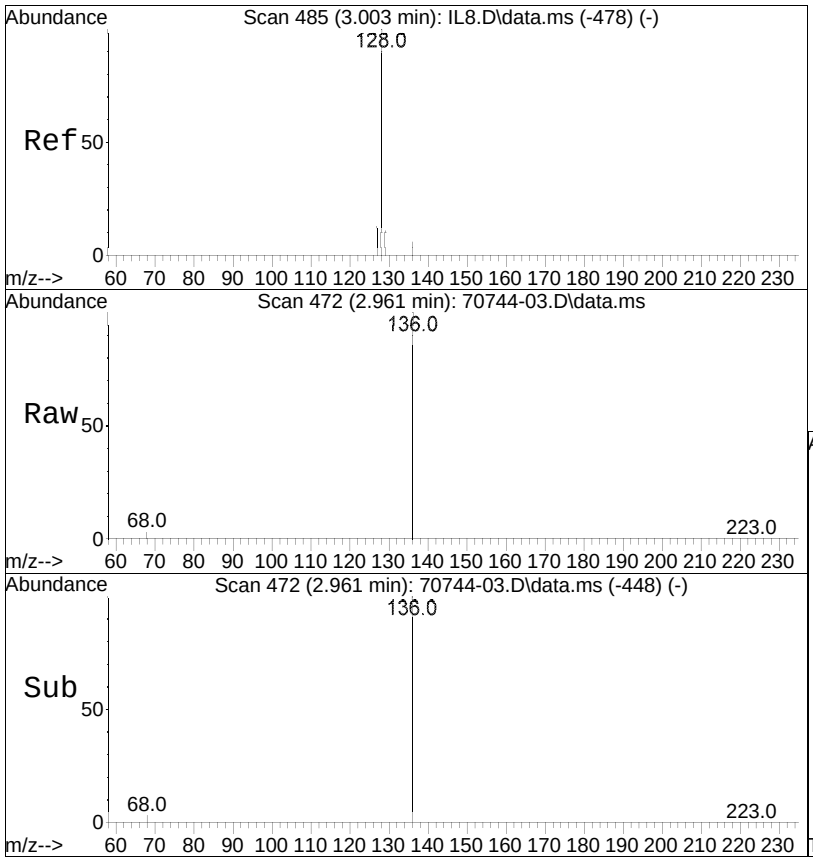
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-03.D
Acq On : 05 Dec 2024 01:27 pm
Operator : SV125:dv
Sample : L2470744-03,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 06 11:14:03 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•

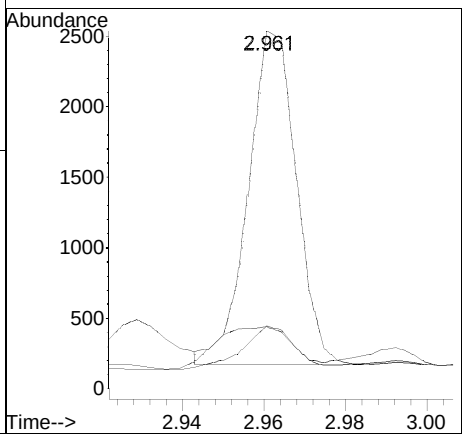


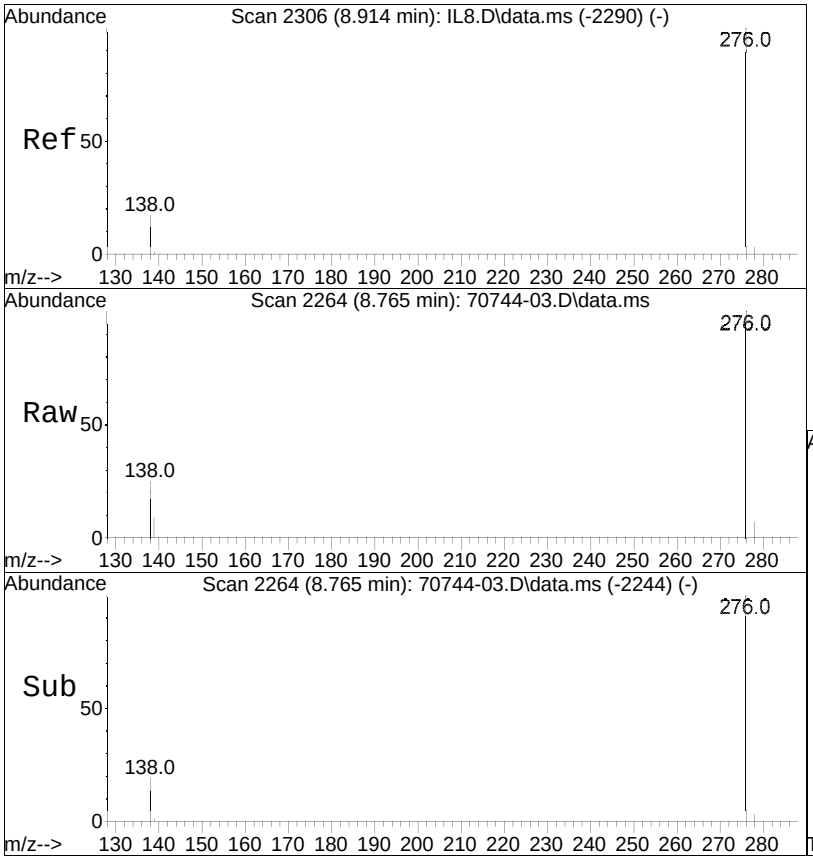


#9
Naphthalene
Concen: 2.98 ng/ml
RT: 2.961 min Scan# 472
Delta R.T. 0.004 min
Lab File: 70744-03.D
Acq: 05 Dec 2024 01:27 pm

Tgt Ion:128 Resp: 1917

Ion	Ratio	Lower	Upper
128	100		
129	20.3	8.9	13.3#
127	14.6	10.9	16.3

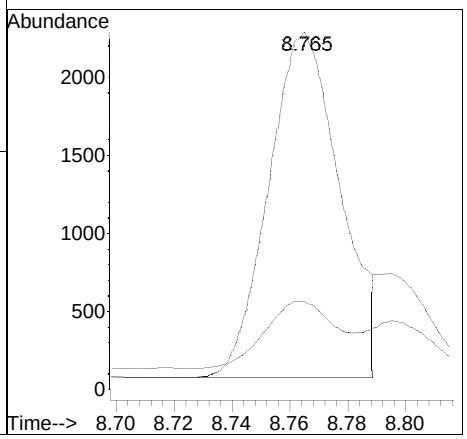


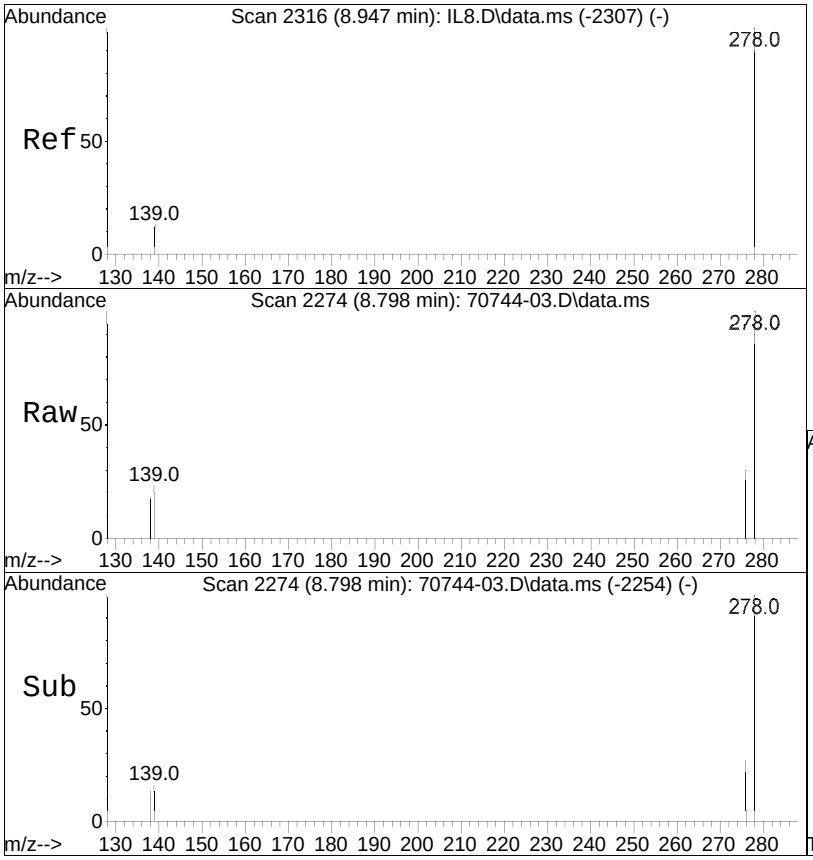


#40
Indeno[1,2,3-cd]pyrene
Concen: 4.80 ng/ml M6
RT: 8.765 min Scan# 2264
Delta R.T. -0.012 min
Lab File: 70744-03.D
Acq: 05 Dec 2024 01:27 pm

Tgt Ion:276 Resp: 3802

Ion	Ratio	Lower	Upper
276	100		
138	19.3	13.3	19.9

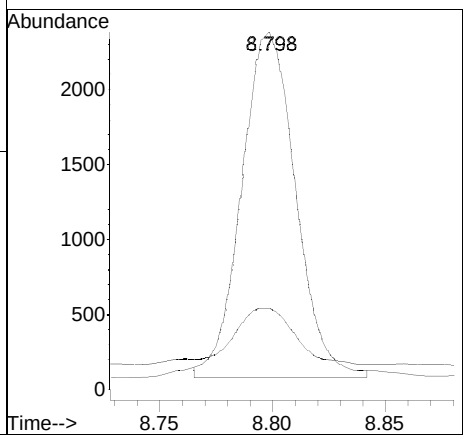


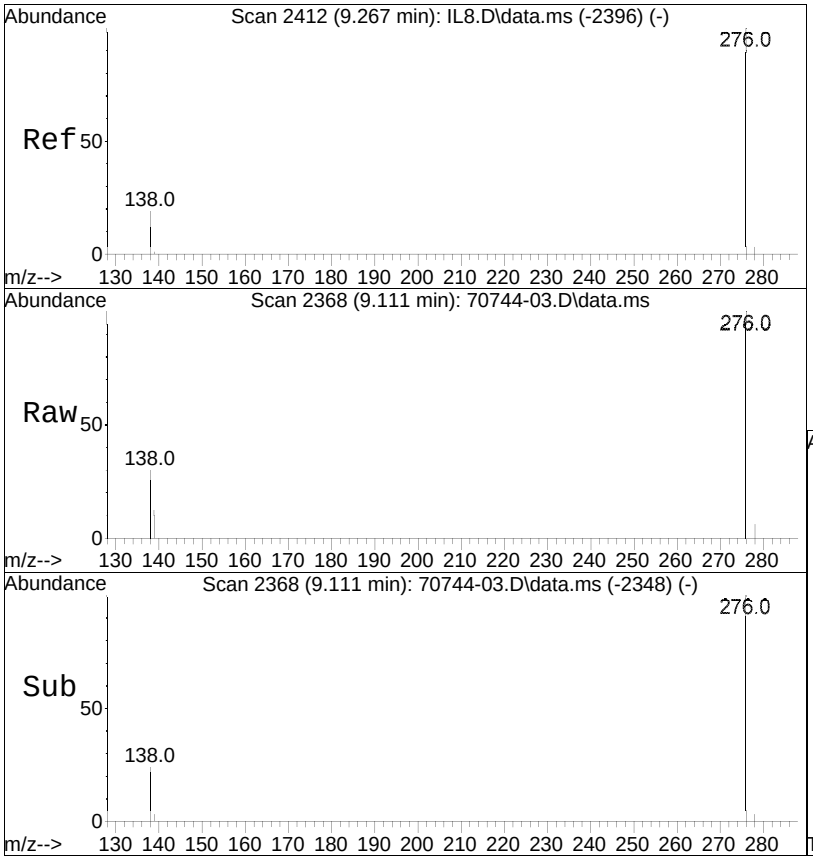


#41
Dibenzo[a,h]anthracene
Concen: 5.24 ng/ml M6
RT: 8.798 min Scan# 2274
Delta R.T. -0.012 min
Lab File: 70744-03.D
Acq: 05 Dec 2024 01:27 pm

Tgt Ion:278 Resp: 3821

Ion	Ratio	Lower	Upper
278	100		
139	18.5	11.1	16.7#

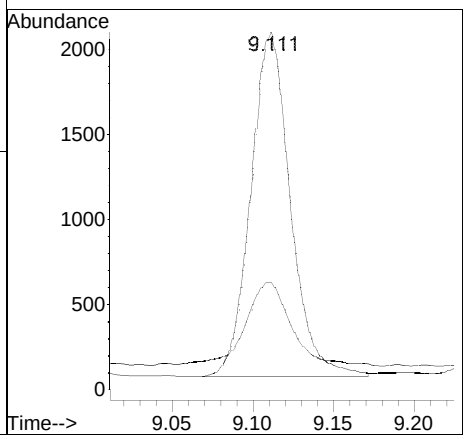




#42
Benzo[g,h,i]perylene
Concen: 4.43 ng/ml
RT: 9.111 min Scan# 2368
Delta R.T. -0.012 min
Lab File: 70744-03.D
Acq: 05 Dec 2024 01:27 pm

Tgt Ion:276 Resp: 3408

Ion	Ratio	Lower	Upper
276	100		
138	27.1	14.6	22.0#

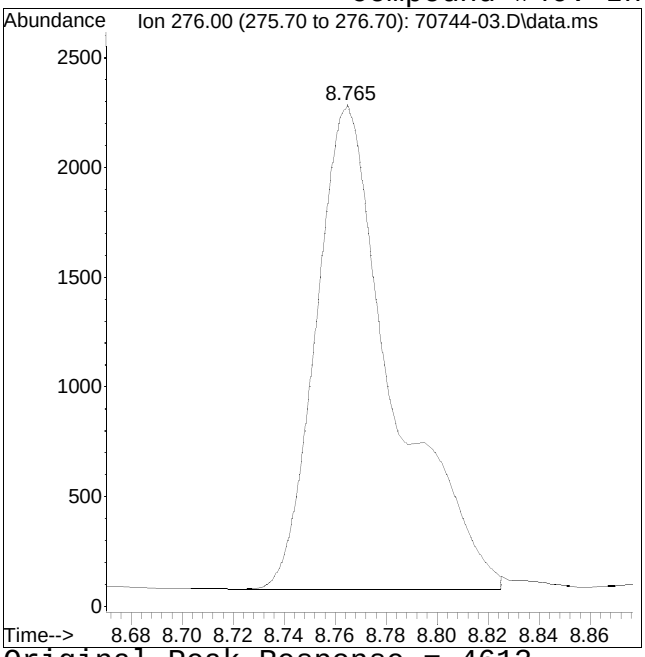


Manual Integration Report

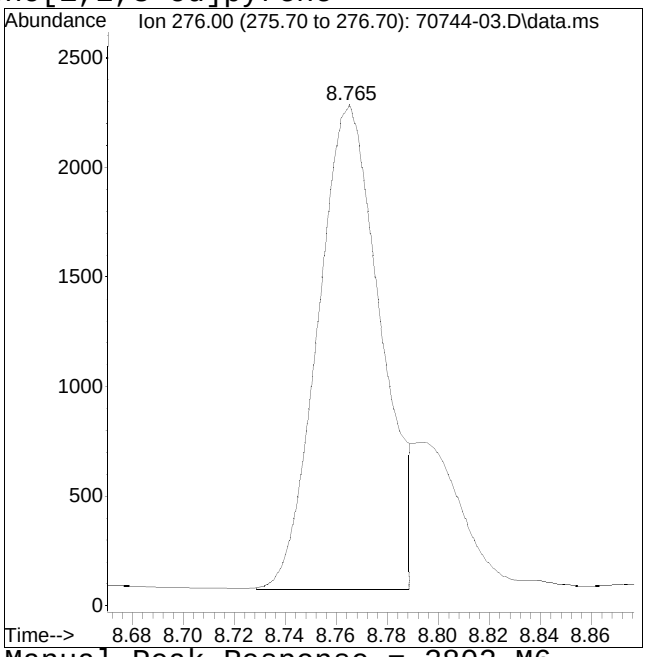
Data Path : I:\8270SIM\SV125\241205RVTQ
Data File : 70744-03.D
Date Inj'd : 12/5/2024 1:27 pm
Sample : L2470744-03,32,,kmh

Method : SIM-RVT_241105n_sv125.M
Operator : SV125:dv
Instrument : SV125
Quant Date : 12/5/2024 1:42 pm

Compound #40: Indeno[1,2,3-cd]pyrene



Original Peak Response = 4613



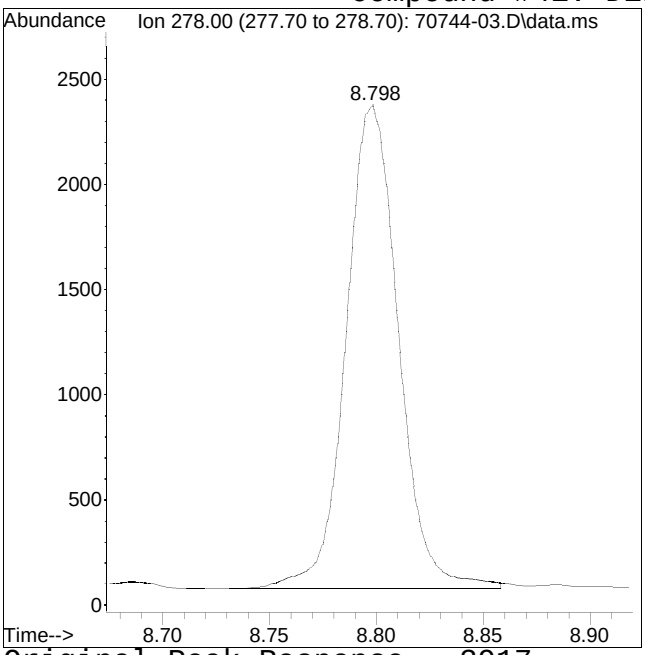
Manual Peak Response = 3802 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

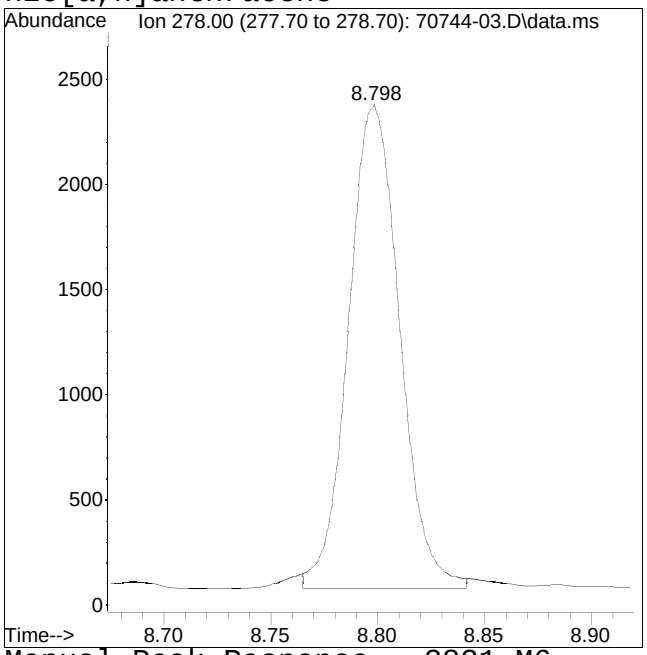
Manual Integration Report

Data Path : I:\8270SIM\SV125\241205RVTQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-03.D Operator : SV125:dv
Date Inj'd : 12/5/2024 1:27 pm Instrument : SV125
Sample : L2470744-03,32,,kmh Quant Date : 12/5/2024 1:42 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 3917



Manual Peak Response = 3821 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-04.D
Acq On : 05 Dec 2024 01:43 pm
Operator : SV125:dv
Sample : L2470744-04,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 06 11:14:56 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.294	152	677069	4000.000	ng/ml	0.01
Standard Area 1 = 632709			Recovery = 107.01%			
8) Naphthalene-d8	2.951	136	2443564	4000.000	ng/ml	0.00
Standard Area 1 = 2356386			Recovery = 103.70%			
17) Acenaphthene-d10	3.926	164	1448452	4000.000	ng/ml	0.00
Standard Area 1 = 1484083			Recovery = 97.60%			
22) Phenanthrene-d10	4.765	188	2944136	4000.000	ng/ml	0.00
Standard Area 1 = 3199114			Recovery = 92.03%			
31) Chrysene-d12	6.310	240	3019343	4000.000	ng/ml	-0.01
Standard Area 1 = 3334220			Recovery = 90.56%			
36) Perylene-d12	7.535	264	3321583	4000.000	ng/ml	-0.01
Standard Area 1 = 3903811			Recovery = 85.09%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.708	112	171454	942.437	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.12%			
3) Phenol-d6	2.108	99	155899	677.063	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 33.85%			
7) Nitrobenzene-d5	2.572	82	162253	827.665	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 82.77%			
13) 2-Fluorobiphenyl	3.546	172	429950	790.954	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.10%			
21) 2,4,6-Tribromophenol	4.372	330	137930	1755.727	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 87.79%			
30) 4-Terphenyl-d14	5.670	244	656629	967.304	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.73%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D. d
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D. d
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-04.D
Acq On : 05 Dec 2024 01:43 pm
Operator : SV125:dv
Sample : L2470744-04,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 06 11:14:56 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

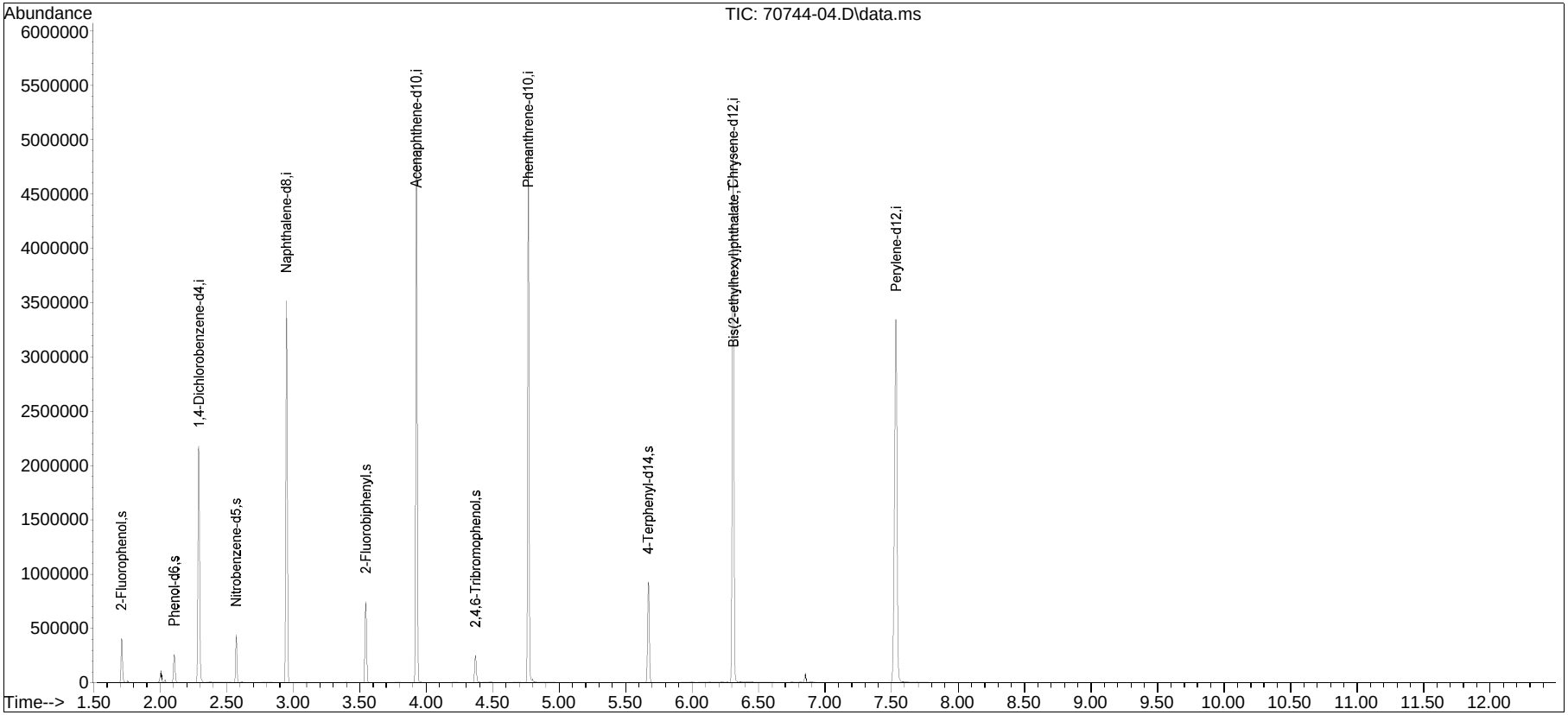
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-04.D
Acq On : 05 Dec 2024 01:43 pm
Operator : SV125:dv
Sample : L2470744-04,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 06 11:14:56 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\241205RVTQ	Method	: SIM-RVT_241105n_sv125.M
Data File	: 70744-04.D	Operator	: SV125:dv
Date Inj'd	: 12/5/2024 1:43 pm	Instrument	: SV125
Sample	: L2470744-04,32,,kmh	Quant Date	: 12/5/2024 1:58 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-05.D
Acq On : 05 Dec 2024 02:32 pm
Operator : SV125:dv
Sample : L2470744-05,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 06 11:16:01 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.293	152	660891	4000.000	ng/ml	0.00
Standard Area 1 = 632709			Recovery	= 104.45%		
8) Naphthalene-d8	2.951	136	2404861	4000.000	ng/ml	0.00
Standard Area 1 = 2356386			Recovery	= 102.06%		
17) Acenaphthene-d10	3.926	164	1415123	4000.000	ng/ml	0.00
Standard Area 1 = 1484083			Recovery	= 95.35%		
22) Phenanthrene-d10	4.765	188	2856537	4000.000	ng/ml	0.00
Standard Area 1 = 3199114			Recovery	= 89.29%		
31) Chrysene-d12	6.308	240	2878507	4000.000	ng/ml	-0.01
Standard Area 1 = 3334220			Recovery	= 86.33%		
36) Perylene-d12	7.529	264	3108560	4000.000	ng/ml	-0.02
Standard Area 1 = 3903811			Recovery	= 79.63%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.710	112	172320	970.383	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 48.52%		
3) Phenol-d6	2.110	99	153793	684.266	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 34.21%		
7) Nitrobenzene-d5	2.574	82	165342	864.069	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 86.41%		
13) 2-Fluorobiphenyl	3.547	172	413167	772.312	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 77.23%		
21) 2,4,6-Tribromophenol	4.373	330	125790	1638.907	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 81.95%		
30) 4-Terphenyl-d14	5.669	244	594584	902.764	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 90.28%		
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.962	128	2594M4	4.017	ng/ml	
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-05.D
Acq On : 05 Dec 2024 02:32 pm
Operator : SV125:dv
Sample : L2470744-05,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 06 11:16:01 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

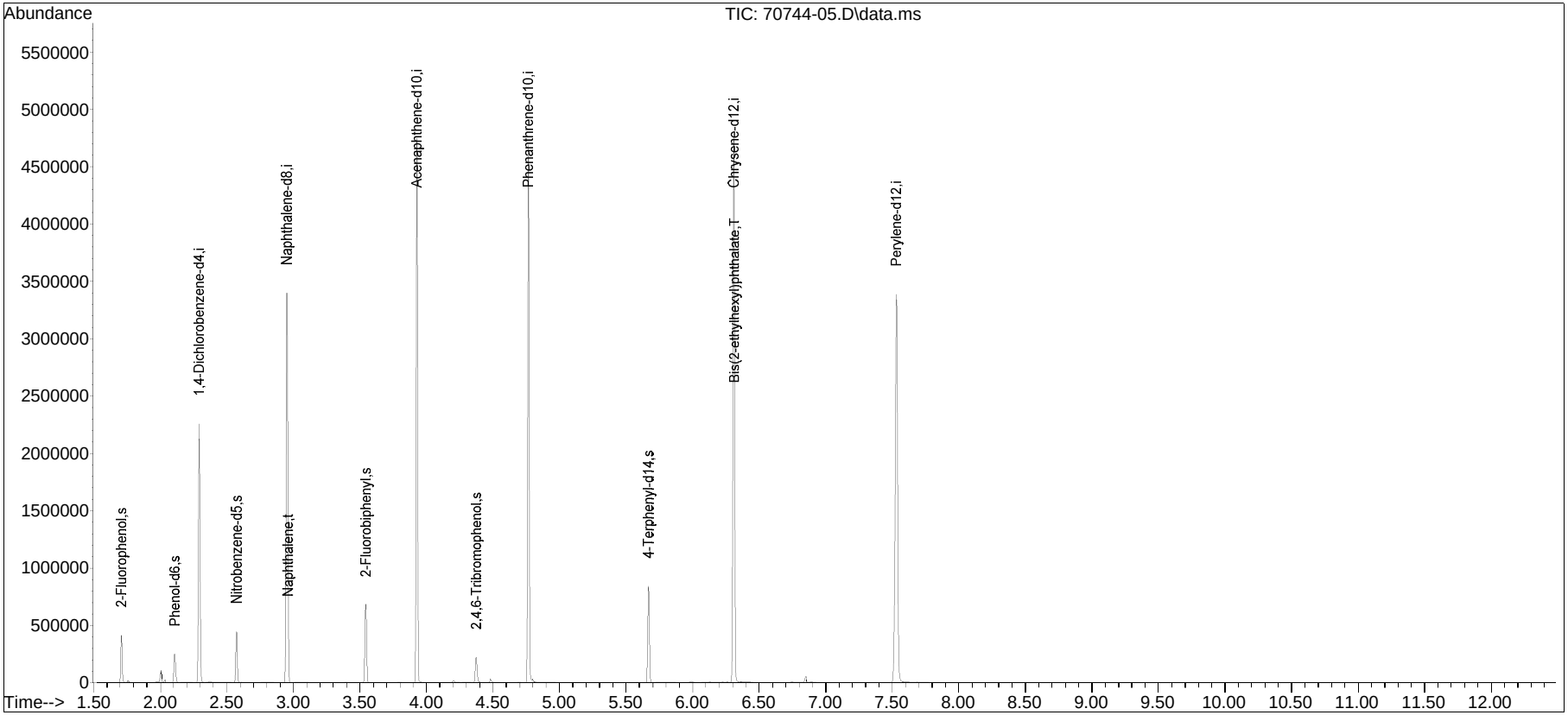
(#) = qualifier out of range (m) = manual integration (+) = signals summed

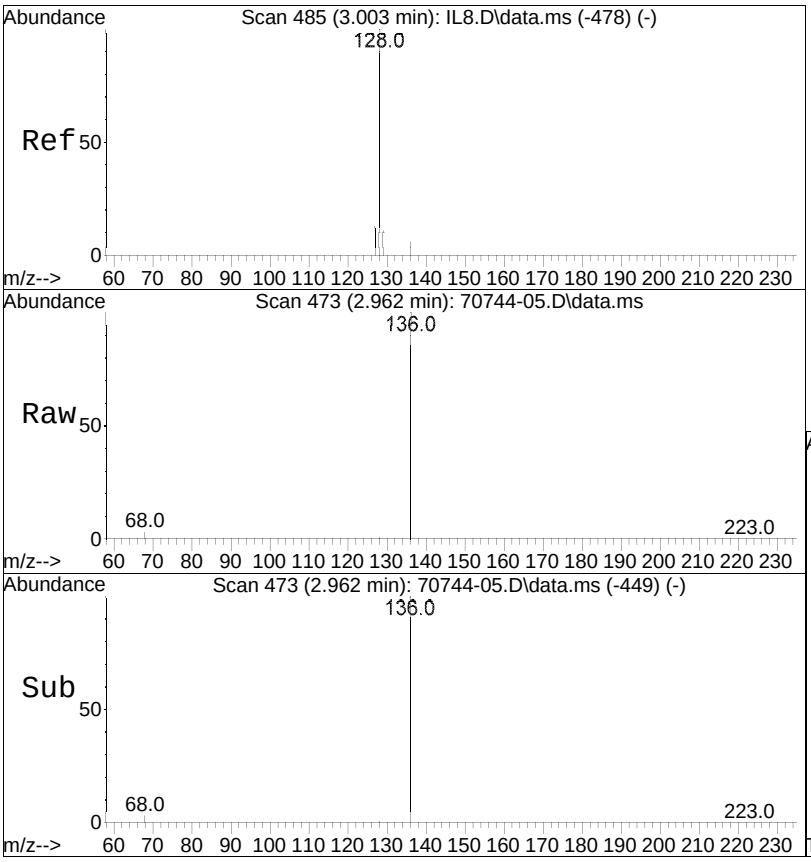
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-05.D
Acq On : 05 Dec 2024 02:32 pm
Operator : SV125:dv
Sample : L2470744-05,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 06 11:16:01 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•

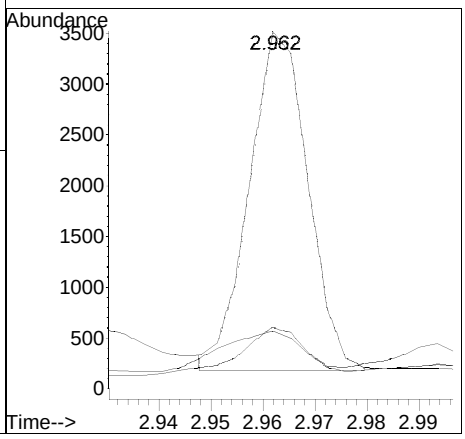




#9
Naphthalene
Concen: 4.02 ng/ml M4
RT: 2.962 min Scan# 473
Delta R.T. 0.006 min
Lab File: 70744-05.D
Acq: 05 Dec 2024 02:32 pm

Tgt Ion:128 Resp: 2594

Ion	Ratio	Lower	Upper
128	100		
129	18.9	8.9	13.3#
127	12.5	10.9	16.3

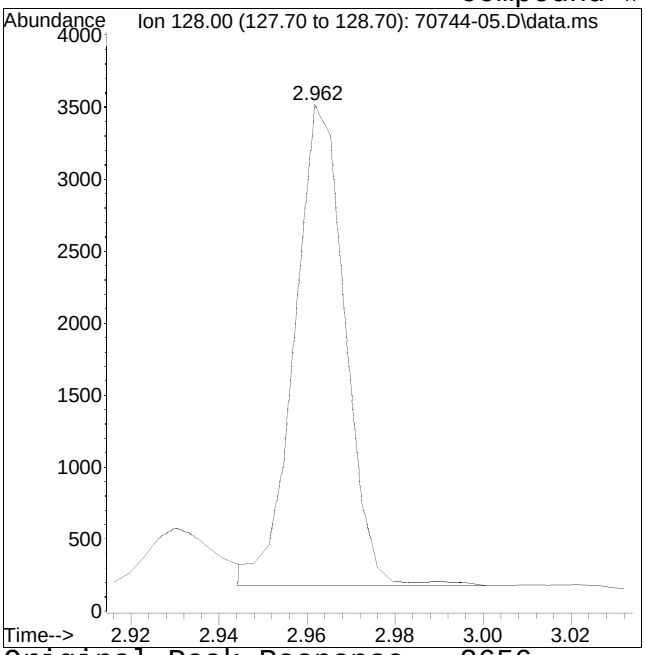


Manual Integration Report

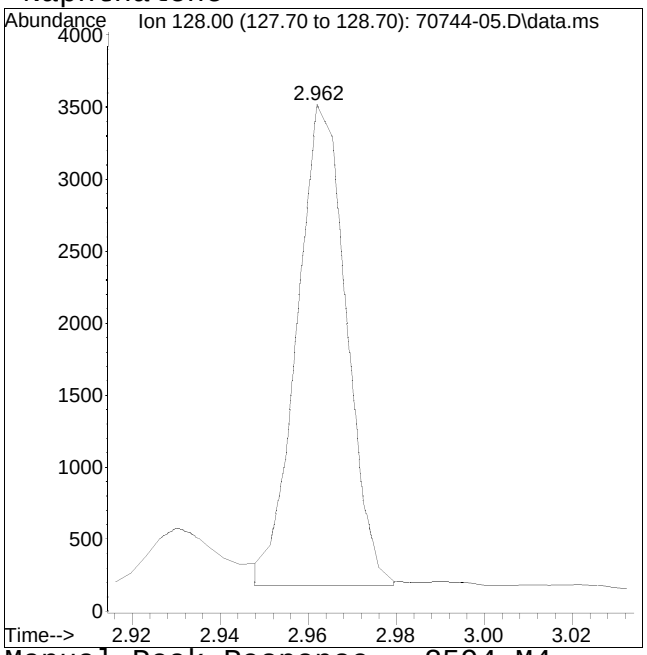
Data Path : I:\8270SIM\SV125\241205RVTQ
Data File : 70744-05.D
Date Inj'd : 12/5/2024 2:32 pm
Sample : L2470744-05,32,,kmh

Method : SIM-RVT_241105n_sv125.M
Operator : SV125:dv
Instrument : SV125
Quant Date : 12/5/2024 2:47 pm

Compound #9: Naphthalene



Original Peak Response = 2656



Manual Peak Response = 2594 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-16.D
Acq On : 05 Dec 2024 03:34 pm
Operator : SV120:dv
Sample : L2470744-16,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 06 11:48:10 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.267	152	173639	4000.000	ng/ml	0.00
Standard Area 1 = 253534			Recovery = 68.49%			
8) Naphthalene-d8	2.924	136	654562	4000.000	ng/ml	0.00
Standard Area 1 = 980217			Recovery = 66.78%			
17) Acenaphthene-d10	3.900	164	354253	4000.000	ng/ml	0.00
Standard Area 1 = 553137			Recovery = 64.04%			
22) Phenanthrene-d10	4.742	188	659689	4000.000	ng/ml	0.00
Standard Area 1 = 1056252			Recovery = 62.46%			
31) Chrysene-d12	6.288	240	557195	4000.000	ng/ml	0.00
Standard Area 1 = 893857			Recovery = 62.34%			
36) Perylene-d12	7.497	264	497307	4000.000	ng/ml	-0.01
Standard Area 1 = 870545			Recovery = 57.13%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.712	112	54720	1070.627	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.53%			
3) Phenol-d6	2.086	99	47714	759.768	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 37.99%			
7) Nitrobenzene-d5	2.546	82	47973	865.299	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 86.53%			
13) 2-Fluorobiphenyl	3.521	172	108863	825.153	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 82.52%			
21) 2,4,6-Tribromophenol	4.346	330	29339	2080.462	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 104.02%			
30) 4-Terphenyl-d14	5.653	244	124284	1036.105	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 51.81%			

Target Compounds				Qvalue
6) Hexachloroethane	0.000	0	N.D.	
9) Naphthalene	0.000	0	N.D. d	
10) Hexachlorobutadiene	0.000	0	N.D.	
11) 2-Methylnaphthalene	0.000	0	N.D. d	
14) 2-Chloronaphthalene	0.000	0	N.D. d	
16) Acenaphthylene	0.000	0	N.D.	
18) Acenaphthene	0.000	0	N.D. d	
20) Fluorene	0.000	0	N.D. d	
24) Hexachlorobenzene	0.000	0	N.D. d	
25) Pentachlorophenol	0.000	0	N.D. d	

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-16.D
Acq On : 05 Dec 2024 03:34 pm
Operator : SV120:dv
Sample : L2470744-16,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 06 11:48:10 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

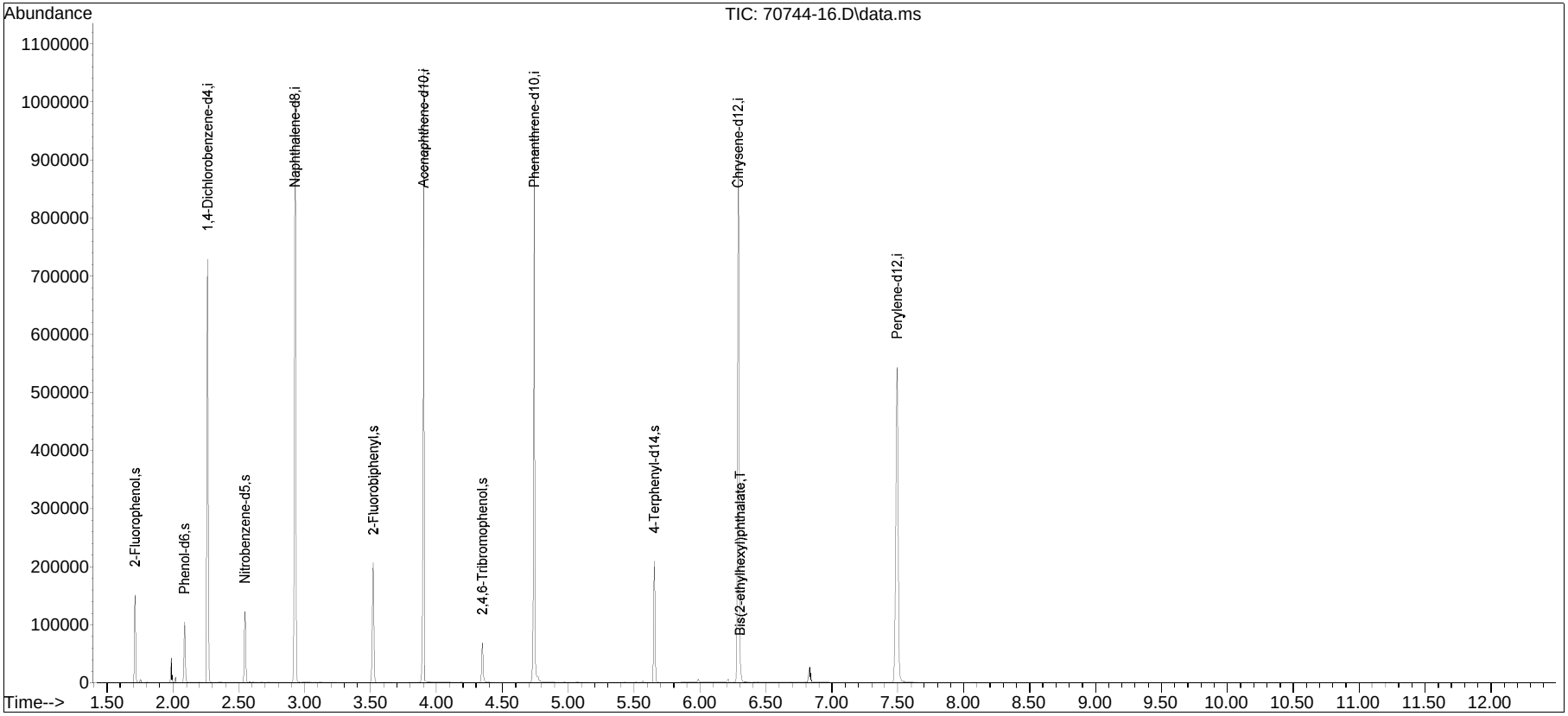
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-16.D
Acq On : 05 Dec 2024 03:34 pm
Operator : SV120:dv
Sample : L2470744-16,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Dec 06 11:48:10 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\241205RVTQ	Method	: SIM-RVT_241105_sv120.M
Data File	: 70744-16.D	Operator	: SV120:dv
Date Inj'd	: 12/5/2024 3:34 pm	Instrument	: SV120
Sample	: L2470744-16,32,,kmh	Quant Date	: 12/5/2024 3:47 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-17.D
Acq On : 05 Dec 2024 03:50 pm
Operator : SV120:dv
Sample : L2470744-17,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 06 11:48:47 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.270	152	215007	4000.000	ng/ml	0.00
Standard Area 1 = 253534			Recovery = 84.80%			
8) Naphthalene-d8	2.925	136	803607	4000.000	ng/ml	0.00
Standard Area 1 = 980217			Recovery = 81.98%			
17) Acenaphthene-d10	3.901	164	424223	4000.000	ng/ml	0.00
Standard Area 1 = 553137			Recovery = 76.69%			
22) Phenanthrene-d10	4.741	188	749786	4000.000	ng/ml	0.00
Standard Area 1 = 1056252			Recovery = 70.99%			
31) Chrysene-d12	6.290	240	574839	4000.000	ng/ml	0.00
Standard Area 1 = 893857			Recovery = 64.31%			
36) Perylene-d12	7.499	264	502562	4000.000	ng/ml	0.00
Standard Area 1 = 870545			Recovery = 57.73%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.725	112	62009	979.809	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.99%			
3) Phenol-d6	2.089	99	54627	702.486	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 35.12%			
7) Nitrobenzene-d5	2.547	82	61003	888.618	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 88.86%			
13) 2-Fluorobiphenyl	3.519	172	136837	844.821	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 84.48%			
21) 2,4,6-Tribromophenol	4.348	330	30623	1813.350	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 90.67%			
30) 4-Terphenyl-d14	5.652	244	134001	982.876	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 49.14%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-17.D
Acq On : 05 Dec 2024 03:50 pm
Operator : SV120:dv
Sample : L2470744-17,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 06 11:48:47 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

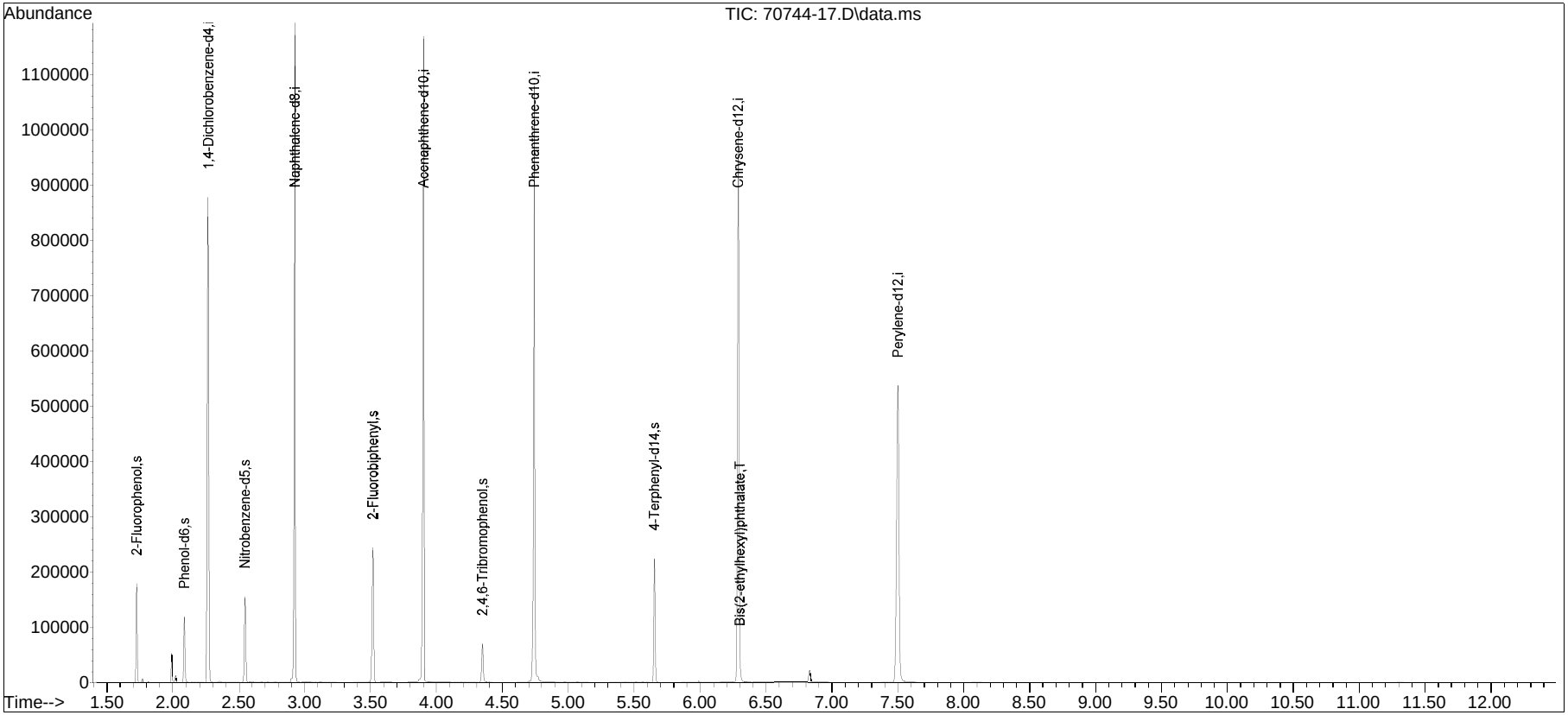
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-17.D
Acq On : 05 Dec 2024 03:50 pm
Operator : SV120:dv
Sample : L2470744-17,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Dec 06 11:48:47 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\241205RVTQ	Method	: SIM-RVT_241105_sv120.M
Data File	: 70744-17.D	Operator	: SV120:dv
Date Inj'd	: 12/5/2024 3:50 pm	Instrument	: SV120
Sample	: L2470744-17,32,,kmh	Quant Date	: 12/5/2024 4:03 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-18.D
Acq On : 05 Dec 2024 04:06 pm
Operator : SV120:dv
Sample : L2470744-18,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 06 11:51:10 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.270	152	225366	4000.000	ng/ml	0.00
Standard Area 1 = 253534			Recovery = 88.89%			
8) Naphthalene-d8	2.924	136	846520	4000.000	ng/ml	0.00
Standard Area 1 = 980217			Recovery = 86.36%			
17) Acenaphthene-d10	3.900	164	447803	4000.000	ng/ml	0.00
Standard Area 1 = 553137			Recovery = 80.96%			
22) Phenanthrene-d10	4.740	188	781255	4000.000	ng/ml	0.00
Standard Area 1 = 1056252			Recovery = 73.96%			
31) Chrysene-d12	6.289	240	603552	4000.000	ng/ml	0.00
Standard Area 1 = 893857			Recovery = 67.52%			
36) Perylene-d12	7.494	264	520499	4000.000	ng/ml	-0.01
Standard Area 1 = 870545			Recovery = 59.79%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.729	112	57769	870.855	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 43.54%			
3) Phenol-d6	2.089	99	54786	672.146	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 33.61%			
7) Nitrobenzene-d5	2.546	82	60048	834.501	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 83.45%			
13) 2-Fluorobiphenyl	3.521	172	137465	805.675	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 80.57%			
21) 2,4,6-Tribromophenol	4.346	330	27450	1539.868	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 76.99%			
30) 4-Terphenyl-d14	5.651	244	134696	948.178	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 47.41%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D.
16) Acenaphthylene	0.000	0	N.D.
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D.
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-18.D
Acq On : 05 Dec 2024 04:06 pm
Operator : SV120:dv
Sample : L2470744-18,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 06 11:51:10 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

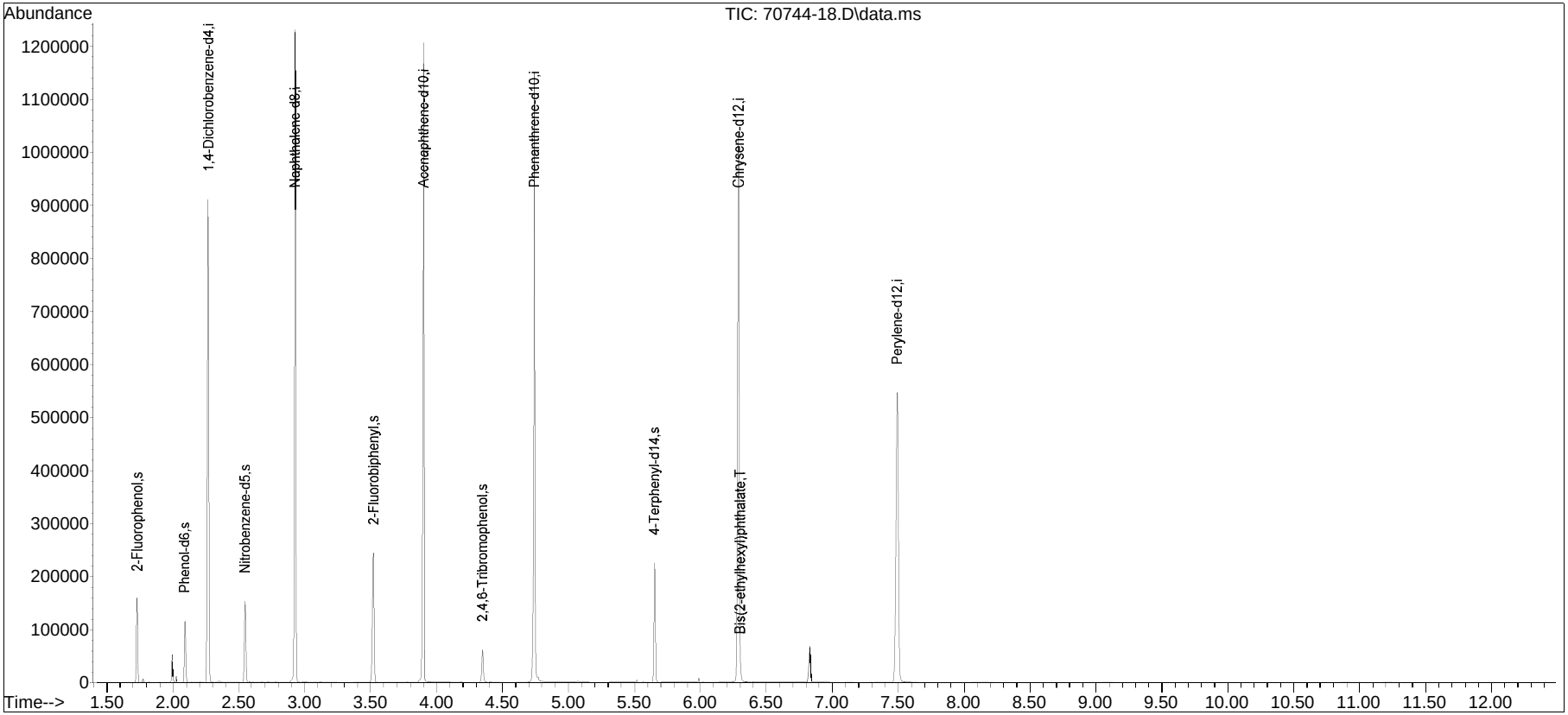
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-18.D
Acq On : 05 Dec 2024 04:06 pm
Operator : SV120:dv
Sample : L2470744-18,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 06 11:51:10 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\241205RVTQ	Method	: SIM-RVT_241105_sv120.M
Data File	: 70744-18.D	Operator	: SV120:dv
Date Inj'd	: 12/5/2024 4:06 pm	Instrument	: SV120
Sample	: L2470744-18,32,,kmh	Quant Date	: 12/5/2024 4:19 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-19.D
Acq On : 05 Dec 2024 04:22 pm
Operator : SV120:dv
Sample : L2470744-19,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 06 11:51:48 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.267	152	191312	4000.000	ng/ml	0.00
Standard Area 1 = 253534			Recovery = 75.46%			
8) Naphthalene-d8	2.924	136	722458	4000.000	ng/ml	0.00
Standard Area 1 = 980217			Recovery = 73.70%			
17) Acenaphthene-d10	3.900	164	387212	4000.000	ng/ml	0.00
Standard Area 1 = 553137			Recovery = 70.00%			
22) Phenanthrene-d10	4.740	188	709882	4000.000	ng/ml	0.00
Standard Area 1 = 1056252			Recovery = 67.21%			
31) Chrysene-d12	6.289	240	581394	4000.000	ng/ml	0.00
Standard Area 1 = 893857			Recovery = 65.04%			
36) Perylene-d12	7.497	264	512261	4000.000	ng/ml	-0.01
Standard Area 1 = 870545			Recovery = 58.84%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.714	112	57757	1025.656	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.28%			
3) Phenol-d6	2.087	99	50282	726.696	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 36.33%			
7) Nitrobenzene-d5	2.546	82	53298	872.540	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 87.25%			
13) 2-Fluorobiphenyl	3.521	172	122073	838.324	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 83.83%			
21) 2,4,6-Tribromophenol	4.347	330	29966	1944.053	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 97.20%			
30) 4-Terphenyl-d14	5.651	244	129702	1004.820	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 50.24%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D.
14) 2-Chloronaphthalene	0.000	0	N.D.
16) Acenaphthylene	0.000	0	N.D.
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D.
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-19.D
Acq On : 05 Dec 2024 04:22 pm
Operator : SV120:dv
Sample : L2470744-19,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 06 11:51:48 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

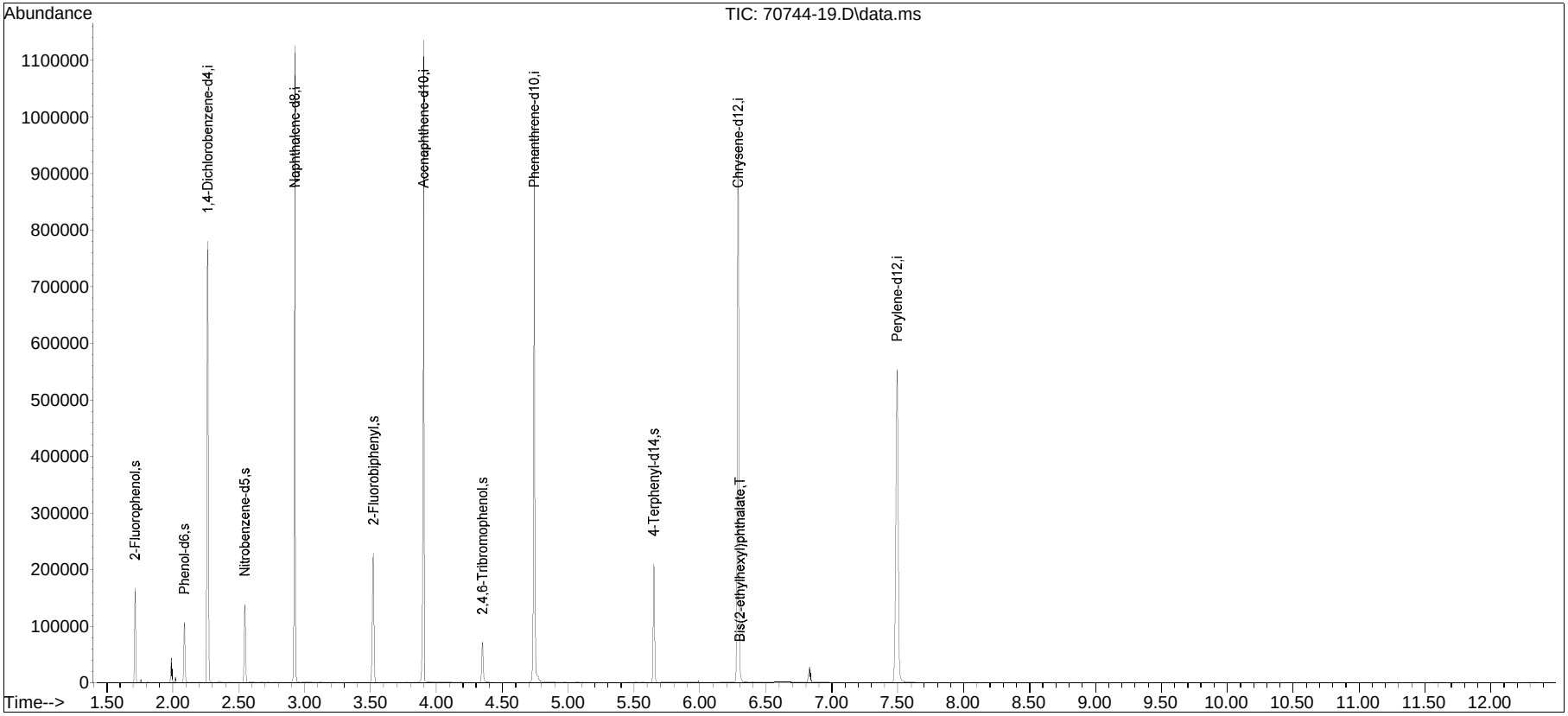
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-19.D
Acq On : 05 Dec 2024 04:22 pm
Operator : SV120:dv
Sample : L2470744-19,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Dec 06 11:51:48 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\241205RVTQ	Method	: SIM-RVT_241105_sv120.M
Data File	: 70744-19.D	Operator	: SV120:dv
Date Inj'd	: 12/5/2024 4:22 pm	Instrument	: SV120
Sample	: L2470744-19,32,,kmh	Quant Date	: 12/5/2024 4:35 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-21.D
Acq On : 05 Dec 2024 04:38 pm
Operator : SV120:dv
Sample : L2470744-21,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 06 11:52:40 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.267	152	188618	4000.000	ng/ml	0.00
Standard Area 1 = 253534			Recovery = 74.40%			
8) Naphthalene-d8	2.925	136	706524	4000.000	ng/ml	0.00
Standard Area 1 = 980217			Recovery = 72.08%			
17) Acenaphthene-d10	3.900	164	378273	4000.000	ng/ml	0.00
Standard Area 1 = 553137			Recovery = 68.39%			
22) Phenanthrene-d10	4.739	188	676081	4000.000	ng/ml	0.00
Standard Area 1 = 1056252			Recovery = 64.01%			
31) Chrysene-d12	6.289	240	569935	4000.000	ng/ml	0.00
Standard Area 1 = 893857			Recovery = 63.76%			
36) Perylene-d12	7.497	264	503470	4000.000	ng/ml	-0.01
Standard Area 1 = 870545			Recovery = 57.83%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.715	112	50468	909.018	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 45.45%			
3) Phenol-d6	2.087	99	43669	640.137	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 32.01%			
7) Nitrobenzene-d5	2.547	82	45139	749.524	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.95%			
13) 2-Fluorobiphenyl	3.521	172	104300	732.423	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 73.24%			
21) 2,4,6-Tribromophenol	4.347	330	26991	1792.428	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 89.62%			
30) 4-Terphenyl-d14	5.650	244	115793	941.914	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 47.10%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.938	128	4102M6	23.226	ng/ml	
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	3.316	142	382	3.115	ng/ml	99
14) 2-Chloronaphthalene	0.000		0	N.D.		
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.		
25) Pentachlorophenol	0.000		0	N.D.	d	

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-21.D
Acq On : 05 Dec 2024 04:38 pm
Operator : SV120:dv
Sample : L2470744-21,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 06 11:52:40 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

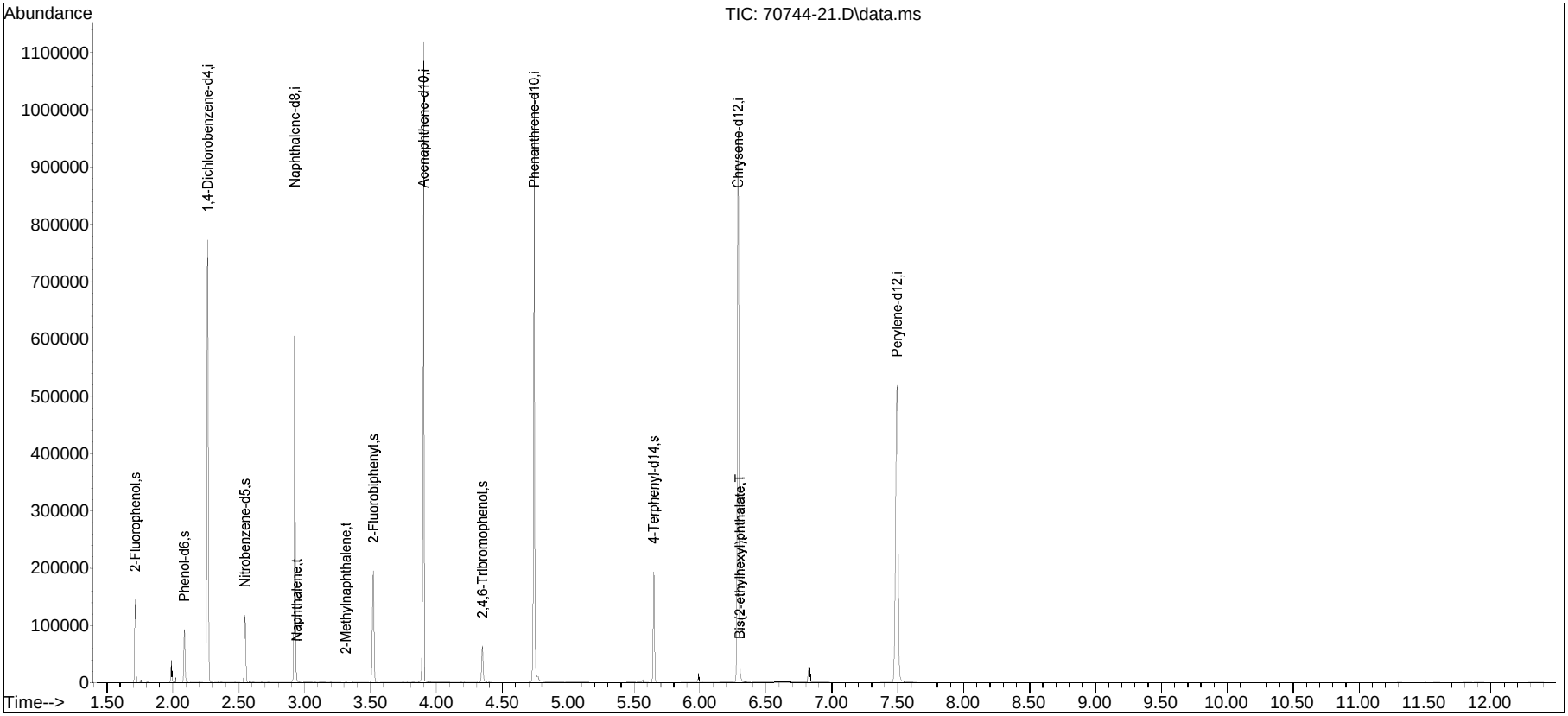
(#) = qualifier out of range (m) = manual integration (+) = signals summed

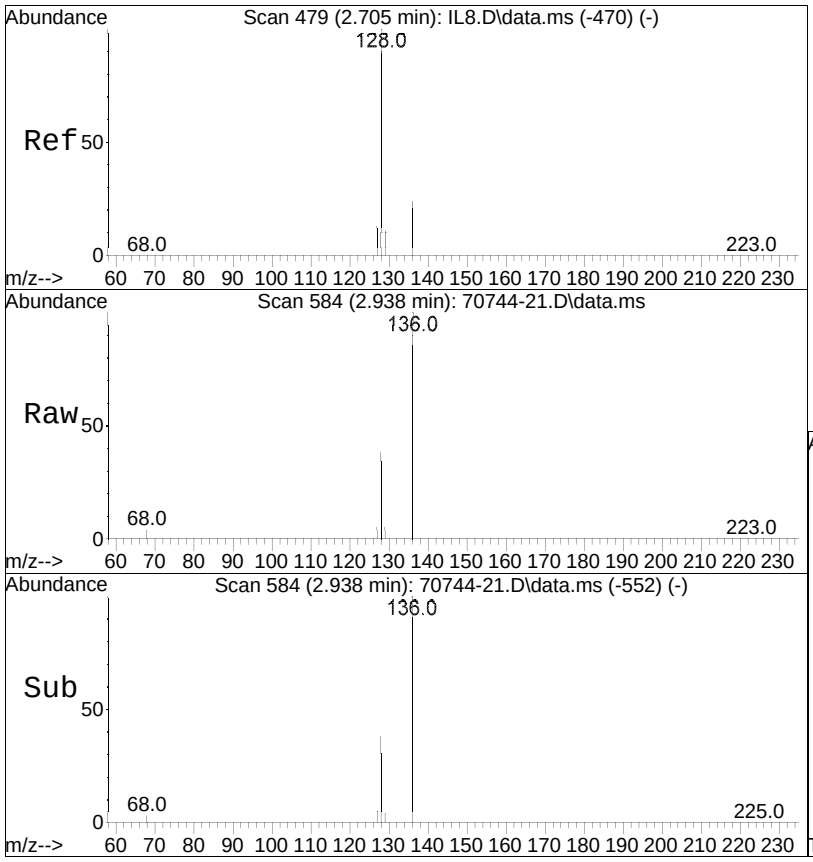
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : 70744-21.D
Acq On : 05 Dec 2024 04:38 pm
Operator : SV120:dv
Sample : L2470744-21,32,,kmh
Misc : WG2005462,WG2005370,ical21668
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 06 11:52:40 2024
Quant Method : I:\8270sim\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:30 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•

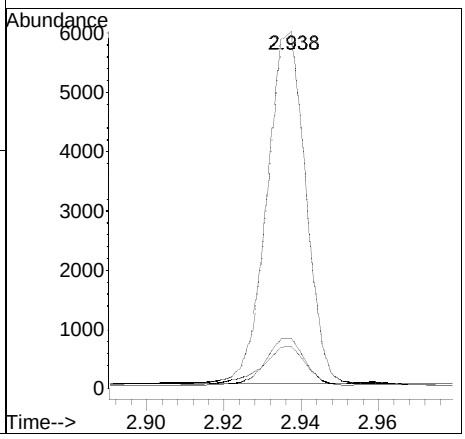


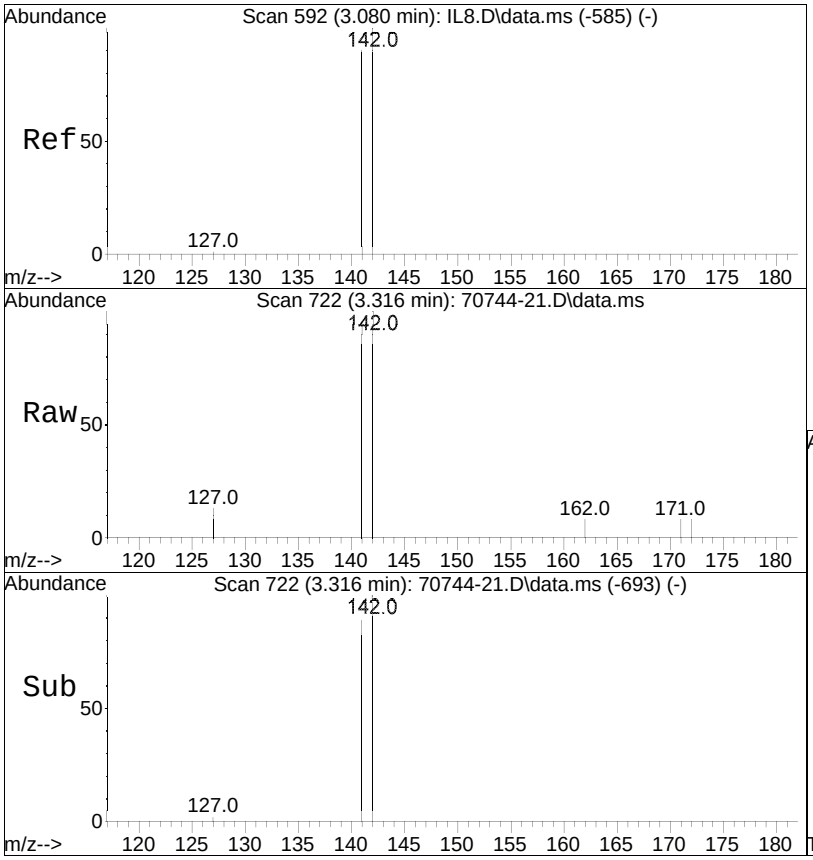


#9
Naphthalene
Concen: 23.23 ng/ml M6
RT: 2.938 min Scan# 584
Delta R.T. 0.003 min
Lab File: 70744-21.D
Acq: 05 Dec 2024 04:38 pm

Tgt Ion:128 Resp: 4102

Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.9	13.3
127	13.6	10.7	16.1

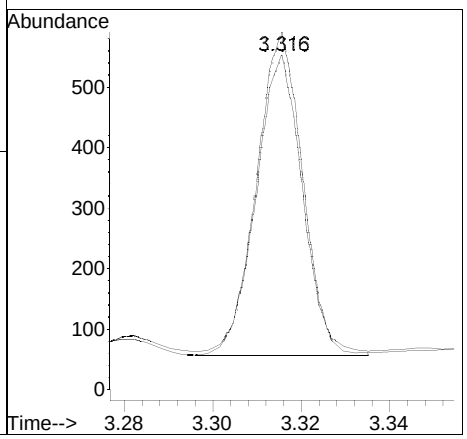




#11
2-Methylnaphthalene
Concen: 3.12 ng/ml
RT: 3.316 min Scan# 722
Delta R.T. 0.000 min
Lab File: 70744-21.D
Acq: 05 Dec 2024 04:38 pm

Tgt Ion:142 Resp: 382

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.2	108.2

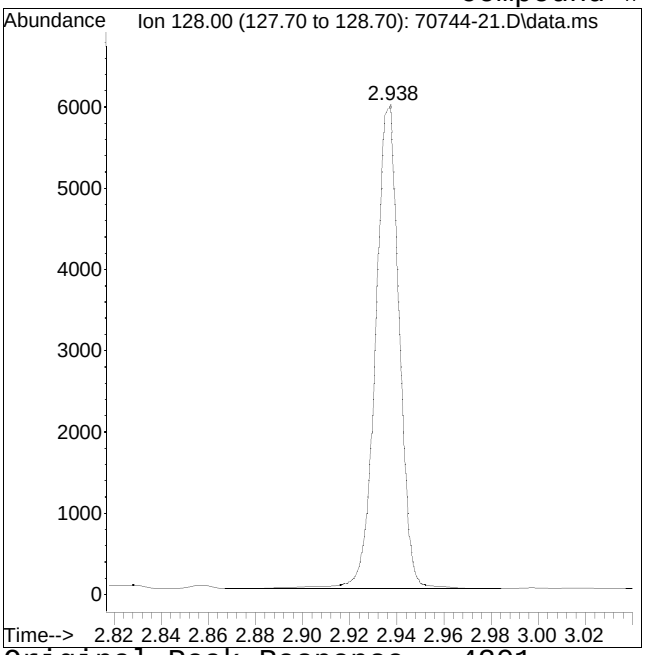


Manual Integration Report

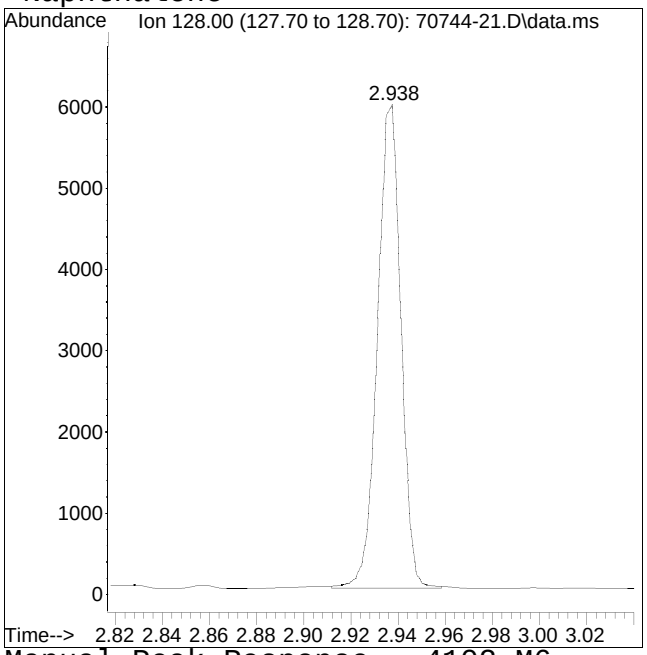
Data Path : I:\8270SIM\sv120\241205RVTQ
Data File : 70744-21.D
Date Inj'd : 12/5/2024 4:38 pm
Sample : L2470744-21,32,,kmh

Method : SIM-RVT_241105_sv120.M
Operator : SV120:dv
Instrument : SV120
Quant Date : 12/5/2024 4:51 pm

Compound #9: Naphthalene



Original Peak Response = 4201



Manual Peak Response = 4102 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-06.D
Acq On : 05 Dec 2024 05:14 pm
Operator : SV125:dv
Sample : L2470744-06,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 06 11:16:55 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.291	152	762674	4000.000	ng/ml	0.00
Standard Area 1 = 632709			Recovery = 120.54%			
8) Naphthalene-d8	2.953	136	2742290	4000.000	ng/ml	0.00
Standard Area 1 = 2356386			Recovery = 116.38%			
17) Acenaphthene-d10	3.926	164	1623921	4000.000	ng/ml	0.00
Standard Area 1 = 1484083			Recovery = 109.42%			
22) Phenanthrene-d10	4.768	188	3161022	4000.000	ng/ml	0.00
Standard Area 1 = 3199114			Recovery = 98.81%			
31) Chrysene-d12	6.310	240	3179072	4000.000	ng/ml	-0.01
Standard Area 1 = 3334220			Recovery = 95.35%			
36) Perylene-d12	7.536	264	3531029	4000.000	ng/ml	-0.01
Standard Area 1 = 3903811			Recovery = 90.45%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.710	112	192968	941.638	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.08%			
3) Phenol-d6	2.108	99	182892	705.138	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 35.26%			
7) Nitrobenzene-d5	2.572	82	196041	887.775	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 88.78%			
13) 2-Fluorobiphenyl	3.545	172	497999	816.342	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 81.63%			
21) 2,4,6-Tribromophenol	4.372	330	137141	1557.058	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 77.85%			
30) 4-Terphenyl-d14	5.673	244	688811	945.091	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.51%			

Target Compounds				Qvalue
6) Hexachloroethane	0.000	0	N.D. d	
9) Naphthalene	0.000	0	N.D. d	
10) Hexachlorobutadiene	0.000	0	N.D. d	
11) 2-Methylnaphthalene	0.000	0	N.D. d	
14) 2-Chloronaphthalene	0.000	0	N.D. d	
16) Acenaphthylene	0.000	0	N.D. d	
18) Acenaphthene	0.000	0	N.D. d	
20) Fluorene	0.000	0	N.D. d	
24) Hexachlorobenzene	0.000	0	N.D. d	
25) Pentachlorophenol	0.000	0	N.D. d	

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-06.D
Acq On : 05 Dec 2024 05:14 pm
Operator : SV125:dv
Sample : L2470744-06,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 06 11:16:55 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

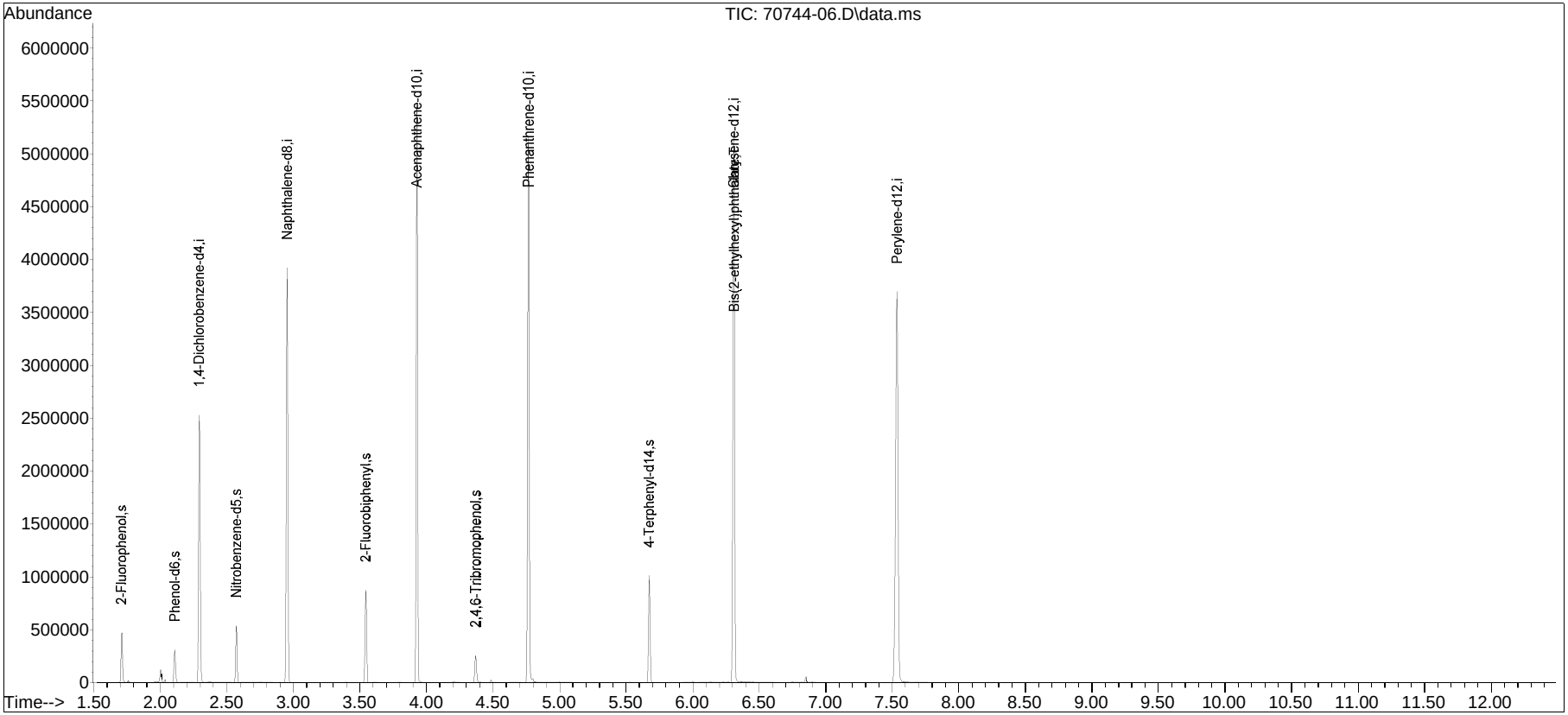
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-06.D
Acq On : 05 Dec 2024 05:14 pm
Operator : SV125:dv
Sample : L2470744-06,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 06 11:16:55 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\241205RVTQ	Method	: SIM-RVT_241105n_sv125.M
Data File	: 70744-06.D	Operator	: SV125:dv
Date Inj'd	: 12/5/2024 5:14 pm	Instrument	: SV125
Sample	: L2470744-06,32,,kmh	Quant Date	: 12/5/2024 5:29 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-07.D
Acq On : 05 Dec 2024 05:30 pm
Operator : SV125:dv
Sample : L2470744-07,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 06 11:17:34 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.294	152	747013	4000.000	ng/ml	0.01
Standard Area 1 = 632709			Recovery	= 118.07%		
8) Naphthalene-d8	2.954	136	2690408	4000.000	ng/ml	0.00
Standard Area 1 = 2356386			Recovery	= 114.18%		
17) Acenaphthene-d10	3.926	164	1574588	4000.000	ng/ml	0.00
Standard Area 1 = 1484083			Recovery	= 106.10%		
22) Phenanthrene-d10	4.766	188	3100131	4000.000	ng/ml	0.00
Standard Area 1 = 3199114			Recovery	= 96.91%		
31) Chrysene-d12	6.313	240	3064575	4000.000	ng/ml	0.00
Standard Area 1 = 3334220			Recovery	= 91.91%		
36) Perylene-d12	7.536	264	3381869	4000.000	ng/ml	-0.01
Standard Area 1 = 3903811			Recovery	= 86.63%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.710	112	177165	882.647	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 44.13%		
3) Phenol-d6	2.108	99	164501	647.528	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 32.38%		
7) Nitrobenzene-d5	2.572	82	187932	868.895	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 86.89%		
13) 2-Fluorobiphenyl	3.545	172	471536	787.868	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 78.79%		
21) 2,4,6-Tribromophenol	4.373	330	121283	1420.153	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 71.01%		
30) 4-Terphenyl-d14	5.674	244	613963	858.940	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 85.89%		

Target Compounds				Qvalue
6) Hexachloroethane	0.000	0	N.D. d	
9) Naphthalene	0.000	0	N.D. d	
10) Hexachlorobutadiene	0.000	0	N.D.	
11) 2-Methylnaphthalene	0.000	0	N.D. d	
14) 2-Chloronaphthalene	0.000	0	N.D. d	
16) Acenaphthylene	0.000	0	N.D. d	
18) Acenaphthene	0.000	0	N.D. d	
20) Fluorene	0.000	0	N.D. d	
24) Hexachlorobenzene	0.000	0	N.D. d	
25) Pentachlorophenol	0.000	0	N.D. d	

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-07.D
Acq On : 05 Dec 2024 05:30 pm
Operator : SV125:dv
Sample : L2470744-07,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 06 11:17:34 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

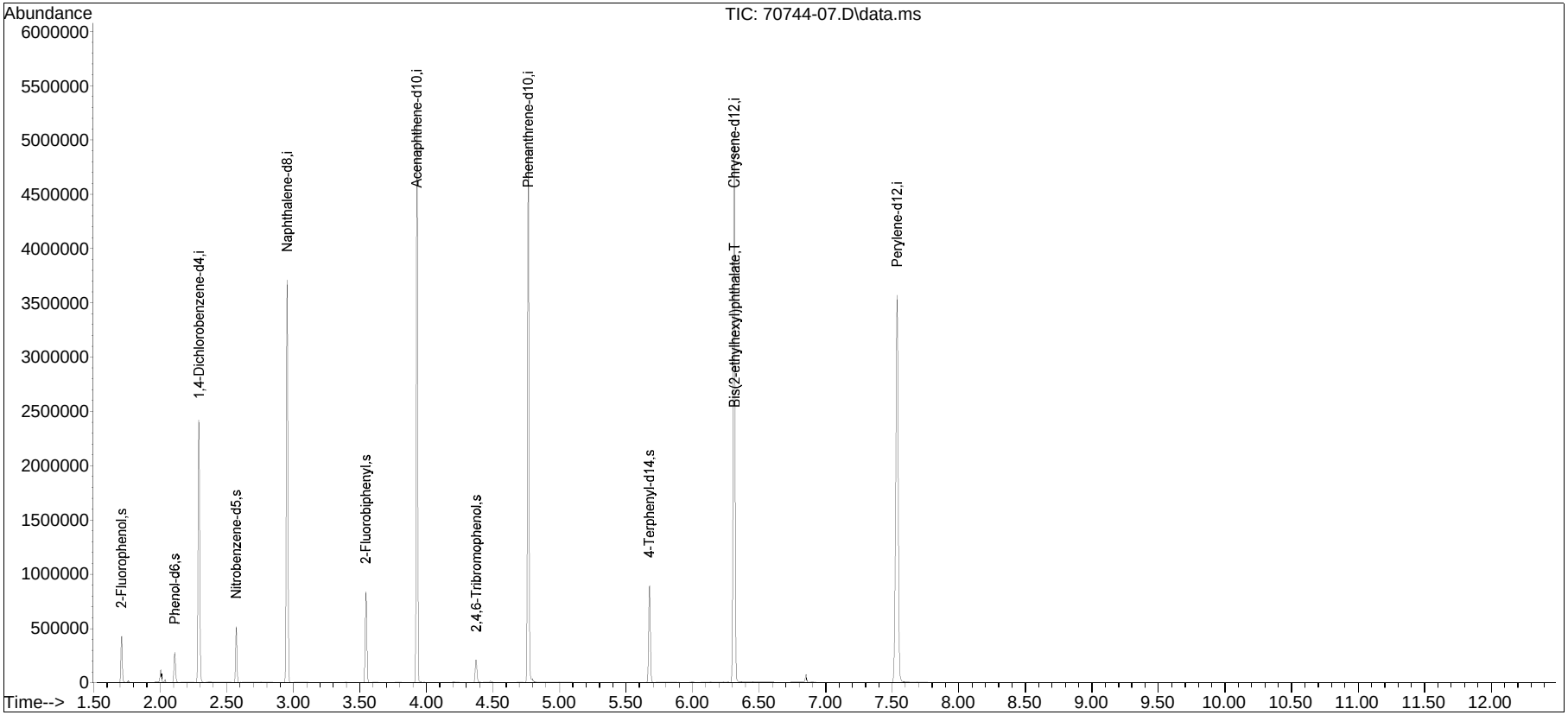
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-07.D
Acq On : 05 Dec 2024 05:30 pm
Operator : SV125:dv
Sample : L2470744-07,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 06 11:17:34 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\241205RVTQ	Method	: SIM-RVT_241105n_sv125.M
Data File	: 70744-07.D	Operator	: SV125:dv
Date Inj'd	: 12/5/2024 5:30 pm	Instrument	: SV125
Sample	: L2470744-07,32,,kmh	Quant Date	: 12/5/2024 5:45 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-08.D
Acq On : 05 Dec 2024 05:46 pm
Operator : SV125:dv
Sample : L2470744-08,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 06 11:18:13 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.291	152	733807	4000.000	ng/ml	0.00
Standard Area 1 = 632709			Recovery = 115.98%			
8) Naphthalene-d8	2.953	136	2650501	4000.000	ng/ml	0.00
Standard Area 1 = 2356386			Recovery = 112.48%			
17) Acenaphthene-d10	3.928	164	1548086	4000.000	ng/ml	0.00
Standard Area 1 = 1484083			Recovery = 104.31%			
22) Phenanthrene-d10	4.766	188	3039554	4000.000	ng/ml	0.00
Standard Area 1 = 3199114			Recovery = 95.01%			
31) Chrysene-d12	6.309	240	3027164	4000.000	ng/ml	-0.01
Standard Area 1 = 3334220			Recovery = 90.79%			
36) Perylene-d12	7.534	264	3348768	4000.000	ng/ml	-0.01
Standard Area 1 = 3903811			Recovery = 85.78%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.710	112	172314	873.929	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 43.70%			
3) Phenol-d6	2.108	99	164180	657.895	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 32.89%			
7) Nitrobenzene-d5	2.572	82	186164	876.211	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 87.62%			
13) 2-Fluorobiphenyl	3.545	172	493765	837.431	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 83.74%			
21) 2,4,6-Tribromophenol	4.372	330	135851	1617.968	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 80.90%			
30) 4-Terphenyl-d14	5.672	244	668090	953.292	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.33%			

Target Compounds				Qvalue
6) Hexachloroethane	0.000	0	N.D. d	
9) Naphthalene	0.000	0	N.D. d	
10) Hexachlorobutadiene	0.000	0	N.D. d	
11) 2-Methylnaphthalene	0.000	0	N.D. d	
14) 2-Chloronaphthalene	0.000	0	N.D. d	
16) Acenaphthylene	0.000	0	N.D. d	
18) Acenaphthene	0.000	0	N.D. d	
20) Fluorene	0.000	0	N.D. d	
24) Hexachlorobenzene	0.000	0	N.D. d	
25) Pentachlorophenol	0.000	0	N.D. d	

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-08.D
Acq On : 05 Dec 2024 05:46 pm
Operator : SV125:dv
Sample : L2470744-08,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 06 11:18:13 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

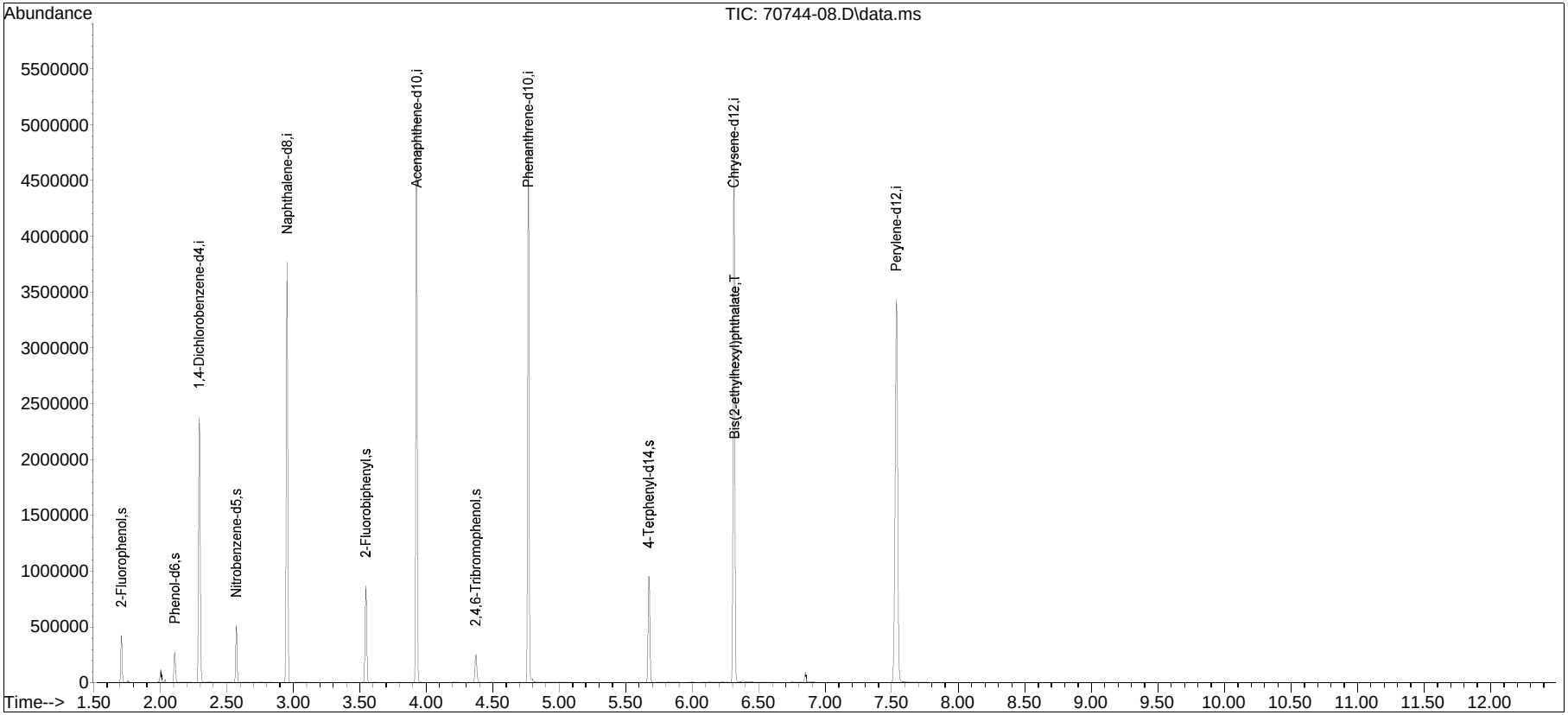
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-08.D
Acq On : 05 Dec 2024 05:46 pm
Operator : SV125:dv
Sample : L2470744-08,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 06 11:18:13 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\241205RVTQ	Method	: SIM-RVT_241105n_sv125.M
Data File	: 70744-08.D	Operator	: SV125:dv
Date Inj'd	: 12/5/2024 5:46 pm	Instrument	: SV125
Sample	: L2470744-08,32,,kmh	Quant Date	: 12/5/2024 6:01 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-09.D
Acq On : 05 Dec 2024 06:02 pm
Operator : SV125:dv
Sample : L2470744-09,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 06 11:25:18 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.294	152	715107	4000.000	ng/ml	0.01
Standard Area 1 = 632709			Recovery	= 113.02%		
8) Naphthalene-d8	2.951	136	2595058	4000.000	ng/ml	0.00
Standard Area 1 = 2356386			Recovery	= 110.13%		
17) Acenaphthene-d10	3.926	164	1548989	4000.000	ng/ml	0.00
Standard Area 1 = 1484083			Recovery	= 104.37%		
22) Phenanthrene-d10	4.765	188	3053507	4000.000	ng/ml	0.00
Standard Area 1 = 3199114			Recovery	= 95.45%		
31) Chrysene-d12	6.312	240	2992081	4000.000	ng/ml	0.00
Standard Area 1 = 3334220			Recovery	= 89.74%		
36) Perylene-d12	7.536	264	3272925	4000.000	ng/ml	-0.01
Standard Area 1 = 3903811			Recovery	= 83.84%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.710	112	204764	1065.663	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 53.28%		
3) Phenol-d6	2.107	99	178967	735.903	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 36.80%		
7) Nitrobenzene-d5	2.571	82	196825	950.614	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 95.06%		
13) 2-Fluorobiphenyl	3.546	172	505325	875.348	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 87.53%		
21) 2,4,6-Tribromophenol	4.372	330	156770	1866.023	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 93.30%		
30) 4-Terphenyl-d14	5.674	244	680449	966.490	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 96.65%		

Target Compounds				Qvalue
6) Hexachloroethane	0.000	0	N.D. d	
9) Naphthalene	0.000	0	N.D. d	
10) Hexachlorobutadiene	0.000	0	N.D. d	
11) 2-Methylnaphthalene	0.000	0	N.D. d	
14) 2-Chloronaphthalene	0.000	0	N.D. d	
16) Acenaphthylene	0.000	0	N.D. d	
18) Acenaphthene	0.000	0	N.D. d	
20) Fluorene	0.000	0	N.D. d	
24) Hexachlorobenzene	0.000	0	N.D. d	
25) Pentachlorophenol	0.000	0	N.D. d	

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-09.D
Acq On : 05 Dec 2024 06:02 pm
Operator : SV125:dv
Sample : L2470744-09,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 06 11:25:18 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

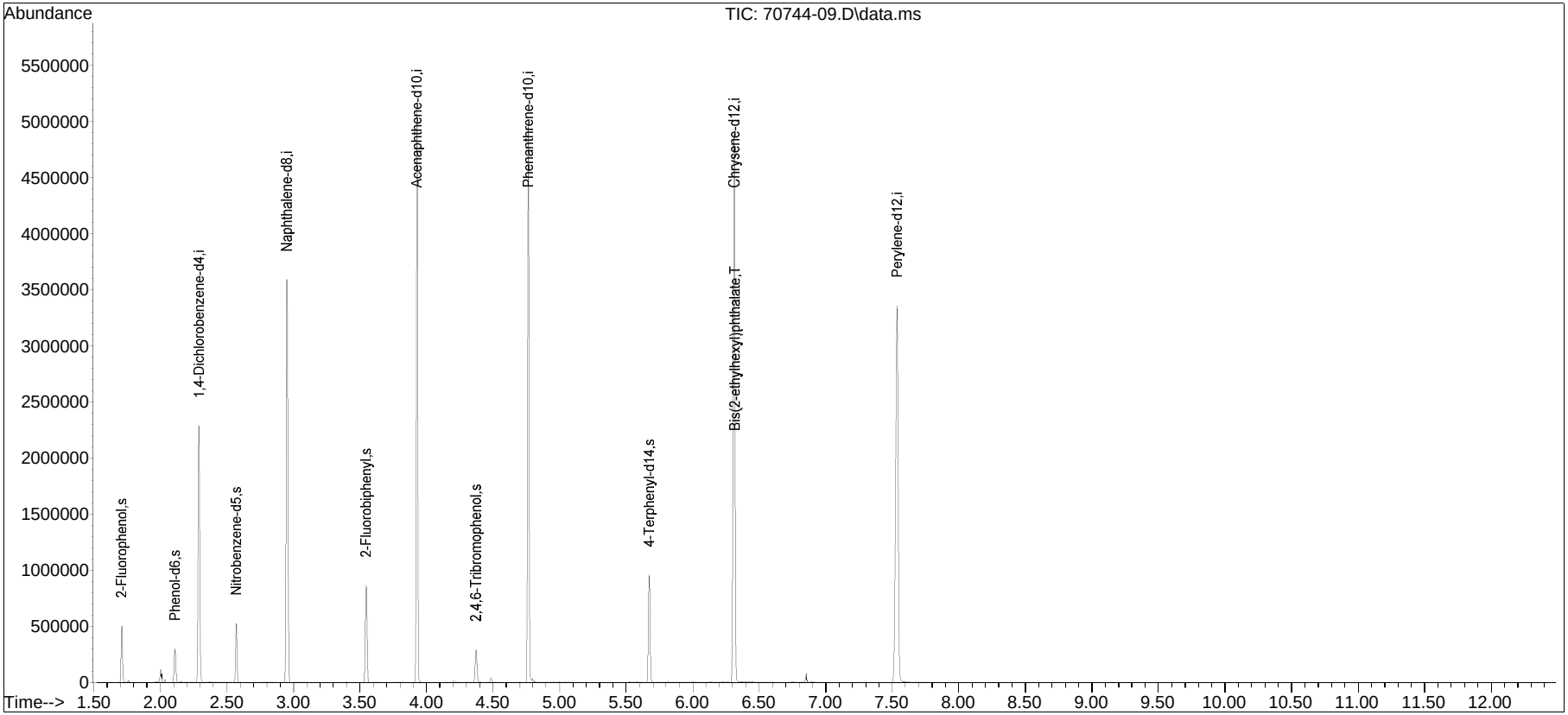
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 70744-09.D
Acq On : 05 Dec 2024 06:02 pm
Operator : SV125:dv
Sample : L2470744-09,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 06 11:25:18 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV125\241205RVTQ	Method	: SIM-RVT_241105n_sv125.M
Data File	: 70744-09.D	Operator	: SV125:dv
Date Inj'd	: 12/5/2024 6:02 pm	Instrument	: SV125
Sample	: L2470744-09,32,,kmh	Quant Date	: 12/5/2024 6:18 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-11.D
Acq On : 09 Dec 2024 09:53 am
Operator : SV125:jjw
Sample : L2470744-11,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 09 12:59:20 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.262	152	465908	4000.000	ng/ml	0.02
Standard Area 1 = 620723			Recovery = 75.06%			
8) Naphthalene-d8	2.921	136	1788625	4000.000	ng/ml	0.00
Standard Area 1 = 2184118			Recovery = 81.89%			
17) Acenaphthene-d10	3.905	164	1097199	4000.000	ng/ml	0.00
Standard Area 1 = 1298651			Recovery = 84.49%			
22) Phenanthrene-d10	4.753	188	2325365	4000.000	ng/ml	0.00
Standard Area 1 = 2706375			Recovery = 85.92%			
31) Chrysene-d12	6.334	240	2353599M2	4000.000	ng/ml	-0.08
Standard Area 1 = 2815094			Recovery = 83.61%			
36) Perylene-d12	7.564	264	2497468M2	4000.000	ng/ml	-0.08
Standard Area 1 = 3104537			Recovery = 80.45%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.674	112	159000	1270.090	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 63.50%			
3) Phenol-d6	2.076	99	147481	930.796	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.54%			
7) Nitrobenzene-d5	2.541	82	144580	1071.773	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 107.18%			
13) 2-Fluorobiphenyl	3.522	172	387037	972.725	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.27%			
21) 2,4,6-Tribromophenol	4.355	330	156233	2625.365	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 131.27%#			
30) 4-Terphenyl-d14	5.678	244	594391	1108.618	ng/ml	-0.05
Spiked Amount 1000.000	Range 30 - 130		Recovery = 110.86%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.932	128	45249M6	94.209	ng/ml	
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	3.316	142	2751	8.495	ng/ml	98
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	3.824	152	4610M6	9.577	ng/ml	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	4.215	166	1351M1	3.460	ng/ml	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	4.650	266	607M4	20.297	ng/ml	

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-11.D
Acq On : 09 Dec 2024 09:53 am
Operator : SV125:jjw
Sample : L2470744-11,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 09 12:59:20 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.766	178	2157M6	3.356	ng/ml	
27) Anthracene	4.795	178	1210M1	1.955	ng/ml	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	5.678	202	3450M3	4.423	ng/ml	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

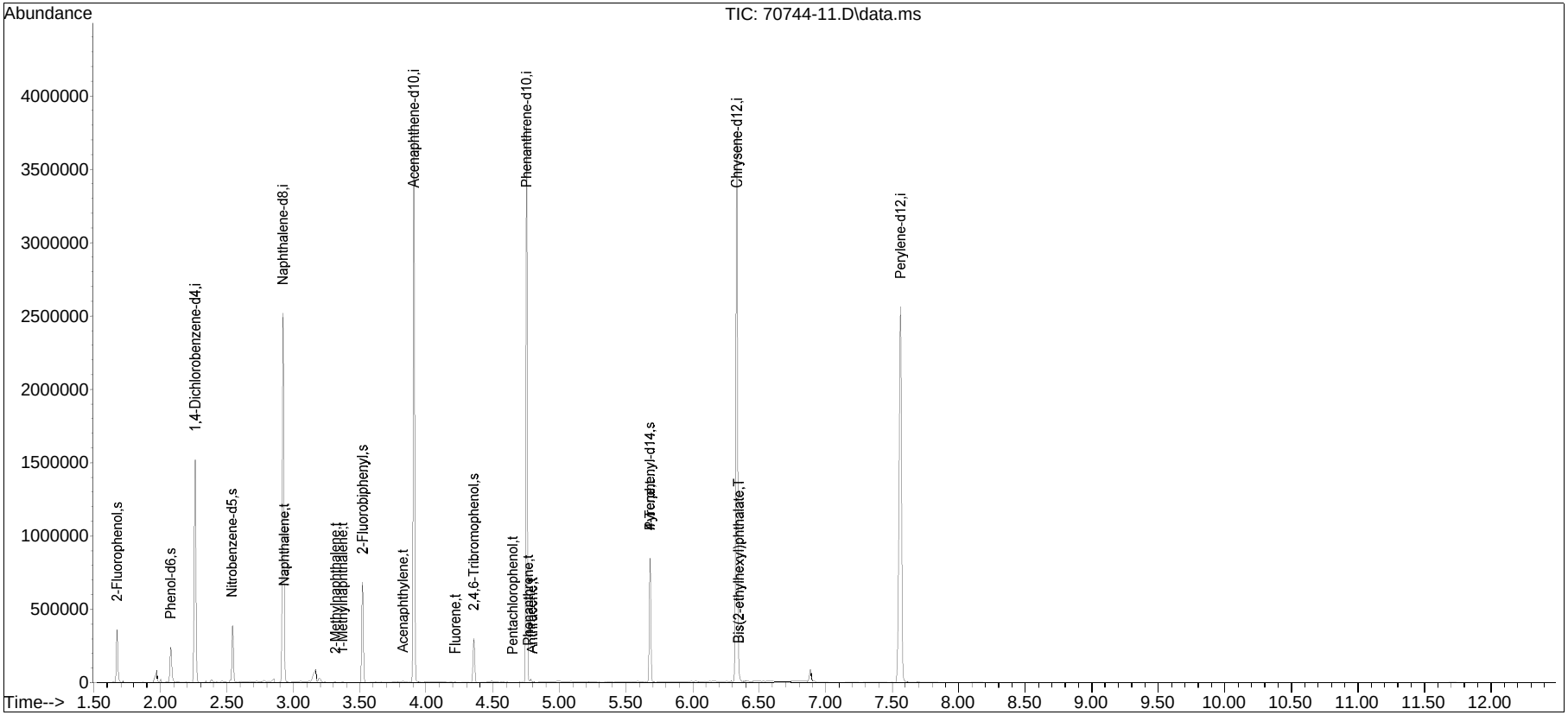
(#) = qualifier out of range (m) = manual integration (+) = signals summed

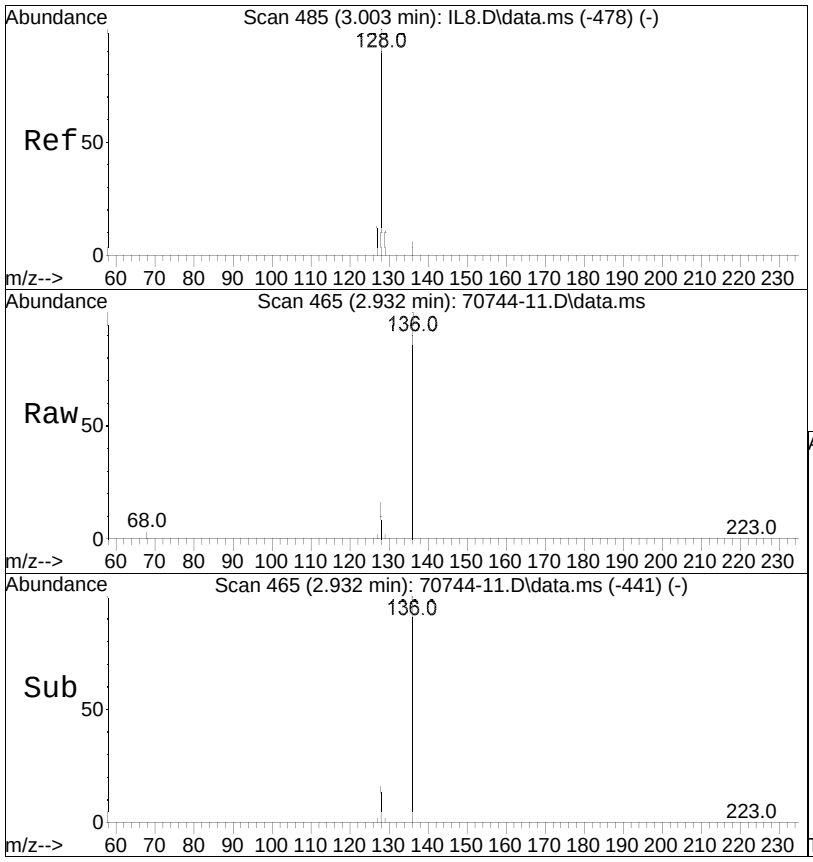
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-11.D
Acq On : 09 Dec 2024 09:53 am
Operator : SV125:jjw
Sample : L2470744-11,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 09 12:59:20 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv1209b.D•

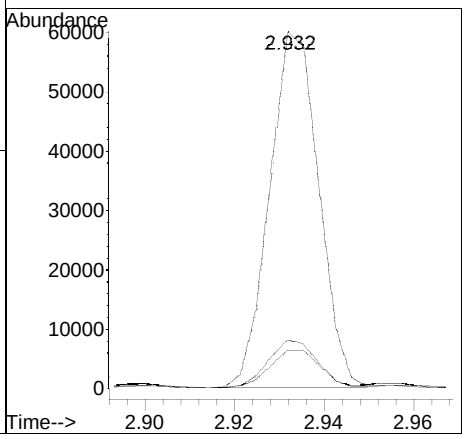


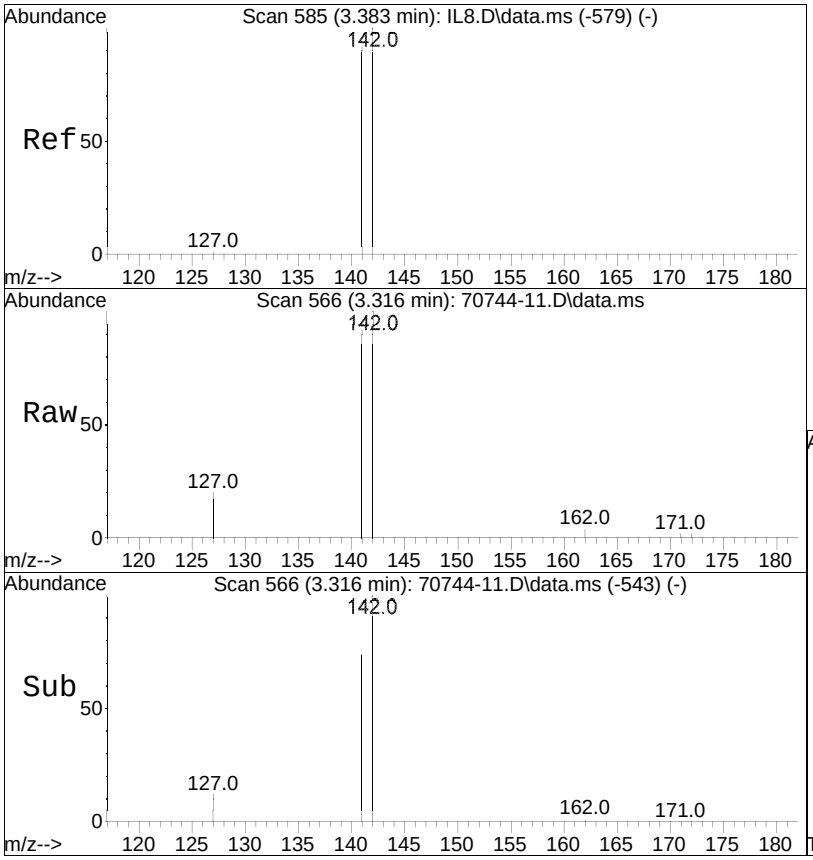


#9
Naphthalene
Concen: 94.21 ng/ml M6
RT: 2.932 min Scan# 465
Delta R.T. 0.009 min
Lab File: 70744-11.D
Acq: 09 Dec 2024 09:53 am

Tgt Ion:128 Resp: 45249

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.3	10.9	16.3

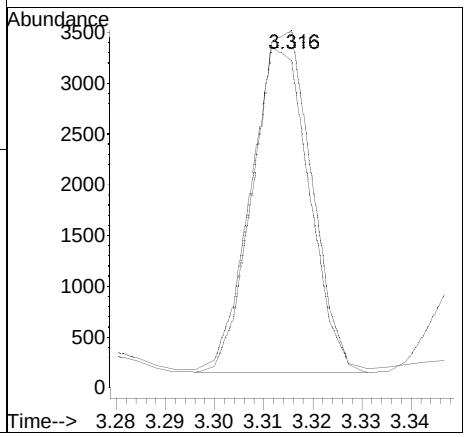


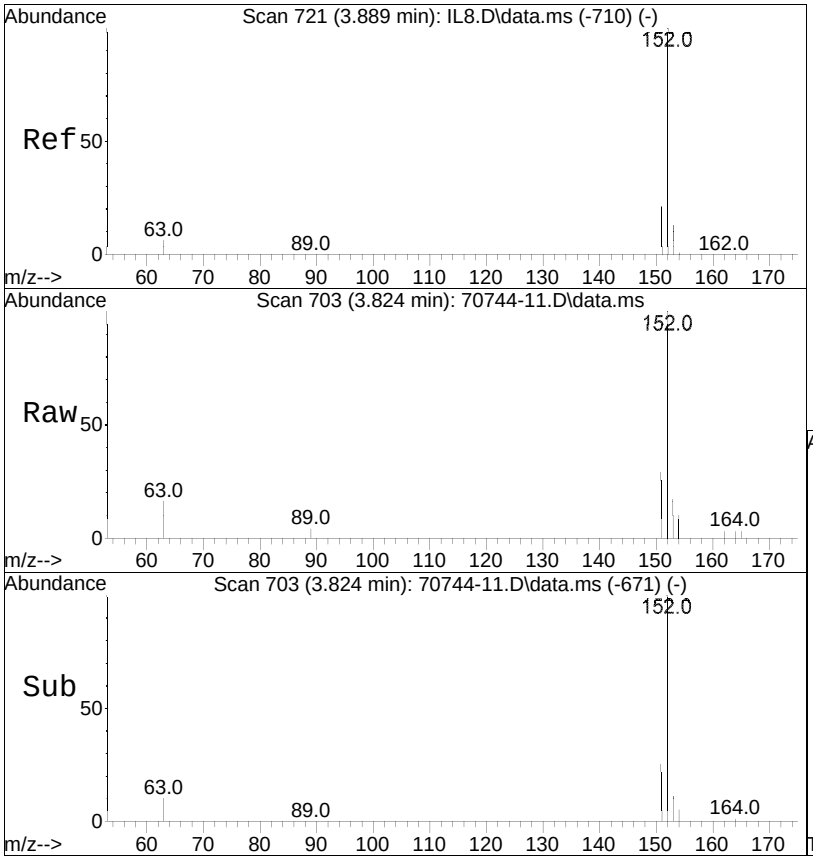


#11
2-Methylnaphthalene
Concen: 8.50 ng/ml
RT: 3.316 min Scan# 566
Delta R.T. 0.010 min
Lab File: 70744-11.D
Acq: 09 Dec 2024 09:53 am

Tgt Ion:142 Resp: 2751

Ion	Ratio	Lower	Upper
142	100		
141	94.0	74.0	111.0

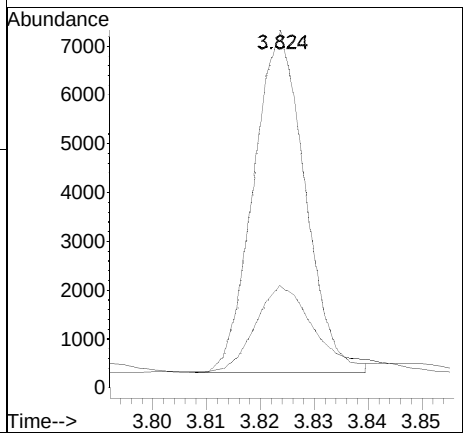


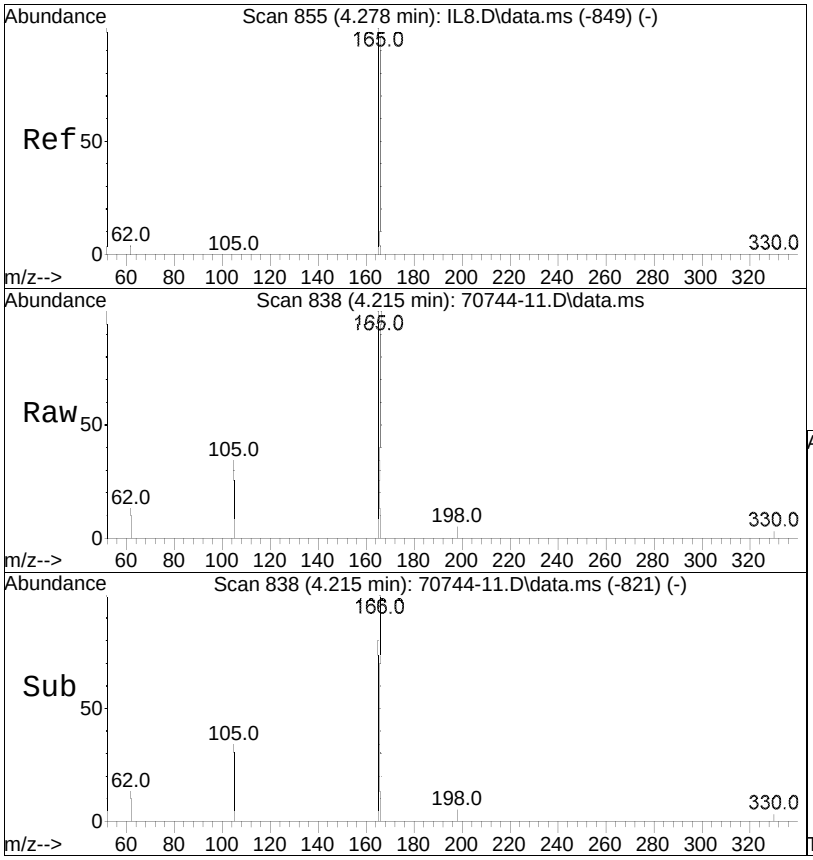


#16
Acenaphthylene
Concen: 9.58 ng/ml M6
RT: 3.824 min Scan# 703
Delta R.T. 0.005 min
Lab File: 70744-11.D
Acq: 09 Dec 2024 09:53 am

Tgt Ion:152 Resp: 4610

Ion	Ratio	Lower	Upper
152	100		
151	31.3	16.5	24.7#

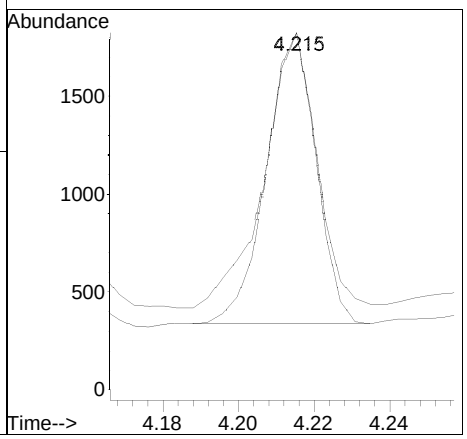


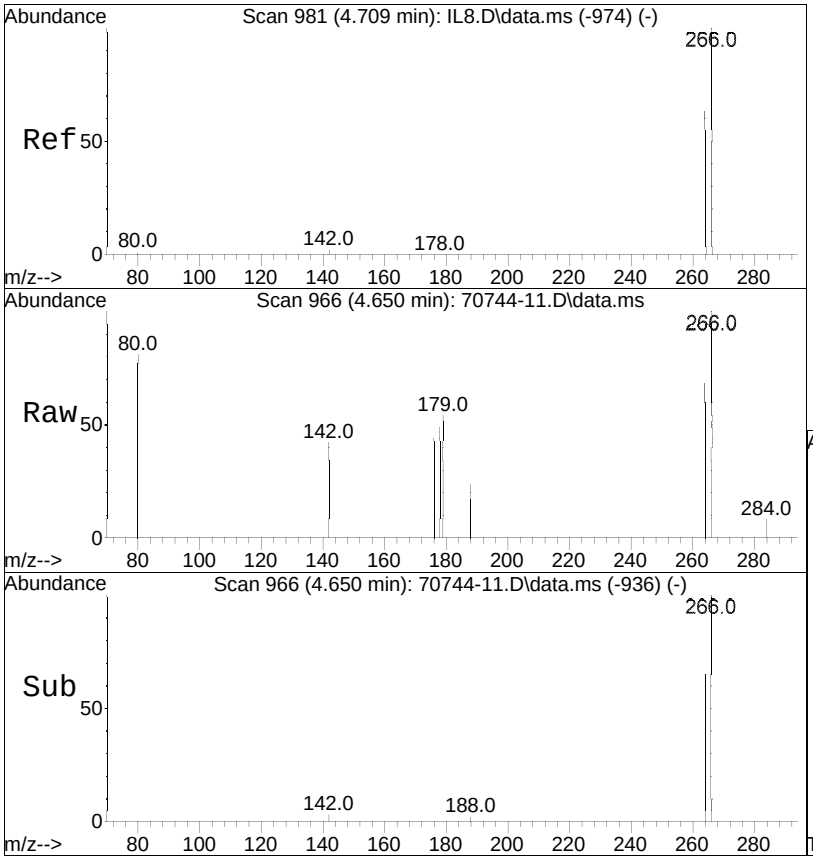


#20
Fluorene
Concen: 3.46 ng/ml M1
RT: 4.215 min Scan# 838
Delta R.T. 0.001 min
Lab File: 70744-11.D
Acq: 09 Dec 2024 09:53 am

Tgt Ion:166 Resp: 1351

Ion	Ratio	Lower	Upper
166	100		
165	99.9	82.2	123.4

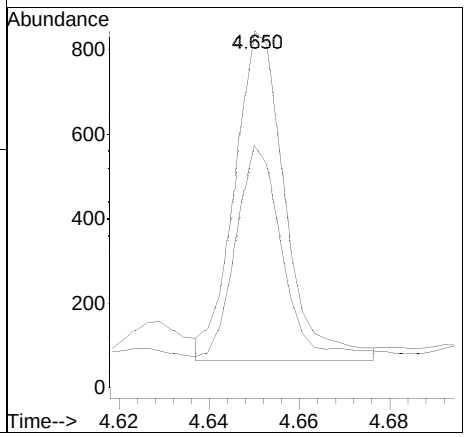


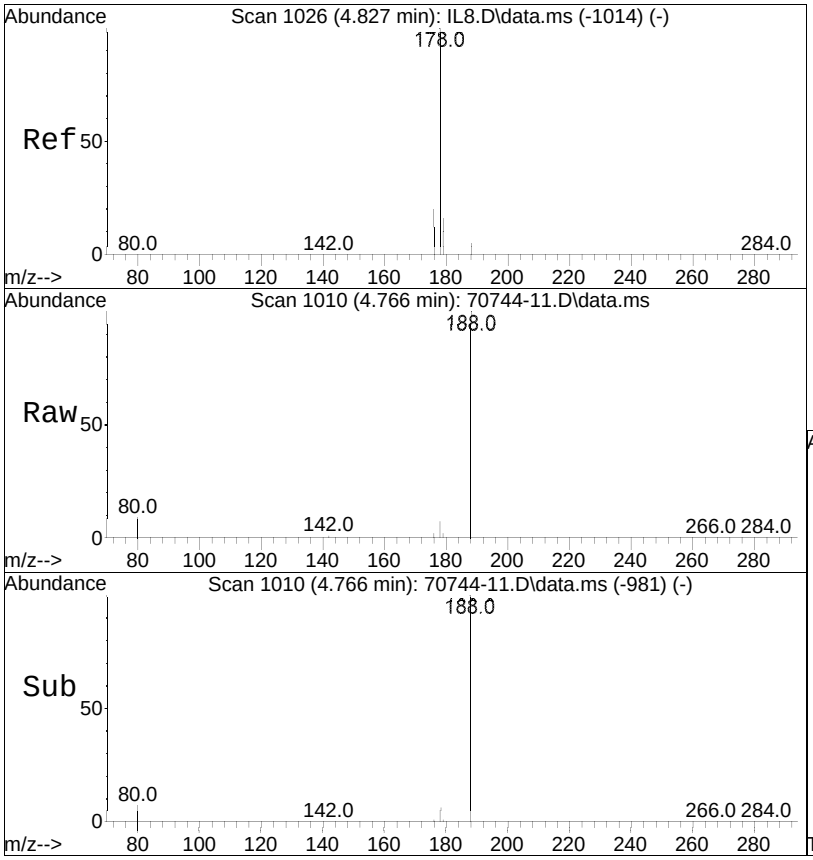


#25
Pentachlorophenol
Concen: 20.30 ng/ml M4
RT: 4.650 min Scan# 966
Delta R.T. -0.002 min
Lab File: 70744-11.D
Acq: 09 Dec 2024 09:53 am

Tgt Ion:266 Resp: 607

Ion	Ratio	Lower	Upper
266	100		
264	58.6	50.6	76.0

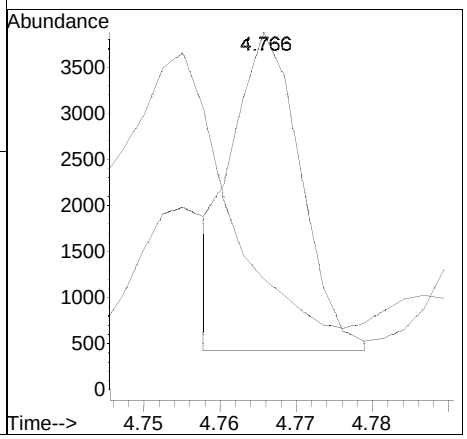


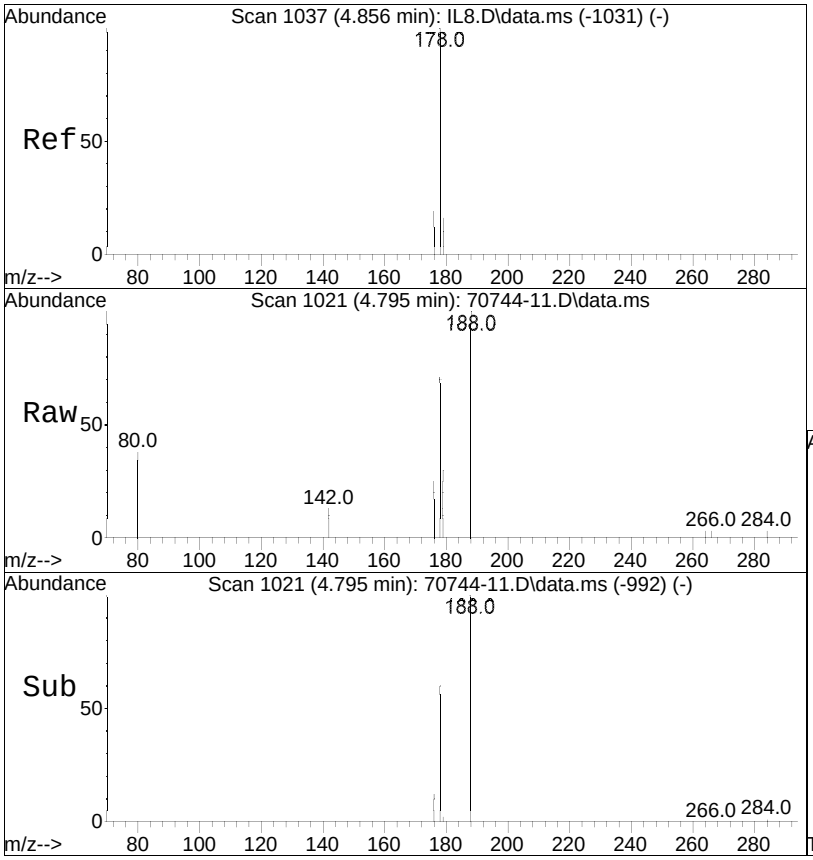


#26
Phenanthrene
Concen: 3.36 ng/ml M6
RT: 4.766 min Scan# 1010
Delta R.T. -0.004 min
Lab File: 70744-11.D
Acq: 09 Dec 2024 09:53 am

Tgt Ion:178 Resp: 2157

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.8	19.2

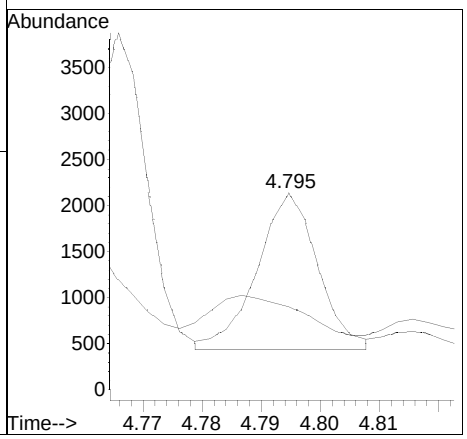


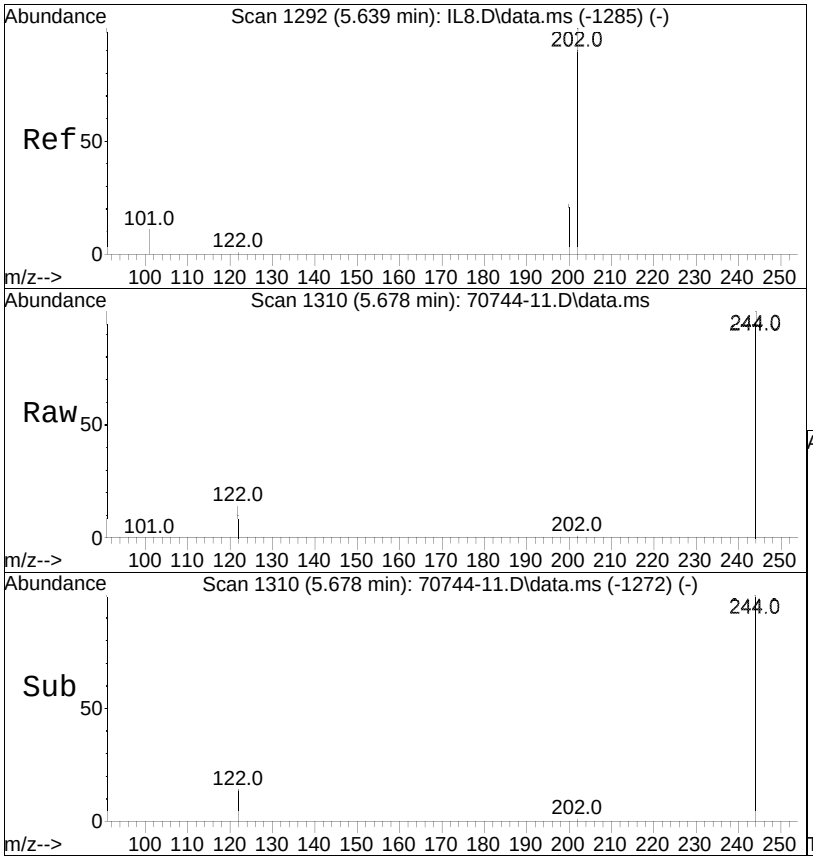


#27
Anthracene
Concen: 1.96 ng/ml M1
RT: 4.795 min Scan# 1021
Delta R.T. -0.004 min
Lab File: 70744-11.D
Acq: 09 Dec 2024 09:53 am

Tgt Ion:178 Resp: 1210

Ion	Ratio	Lower	Upper
178	100		
179	35.5	12.6	18.8#

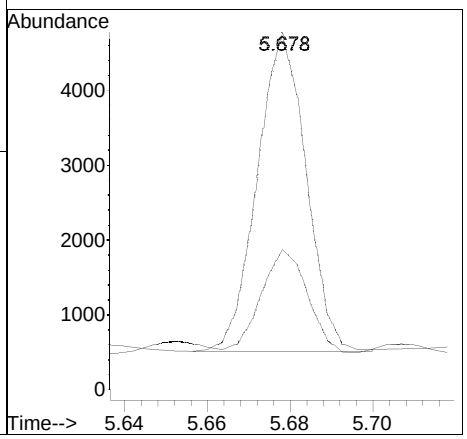




#29
Pyrene
Concen: 4.42 ng/ml M3
RT: 5.678 min Scan# 1310
Delta R.T. 0.056 min
Lab File: 70744-11.D
Acq: 09 Dec 2024 09:53 am

Tgt Ion:202 Resp: 3450

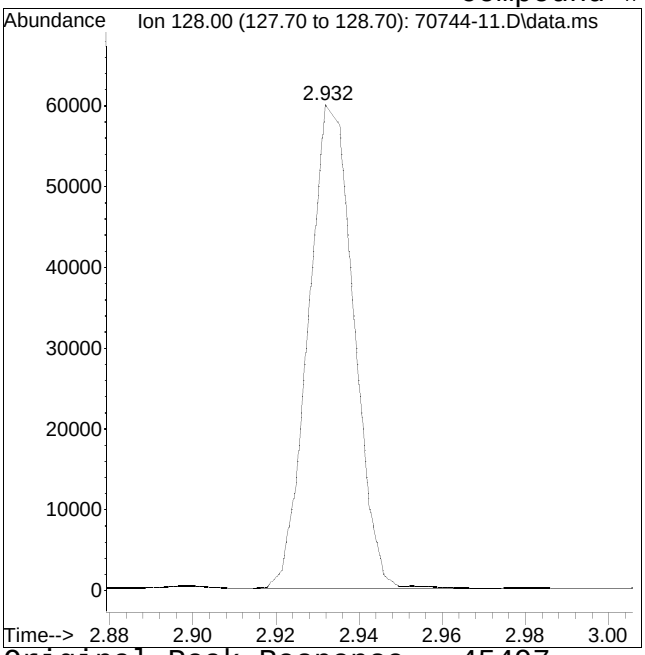
Ion	Ratio	Lower	Upper
202	100		
200	34.0	17.3	25.9#



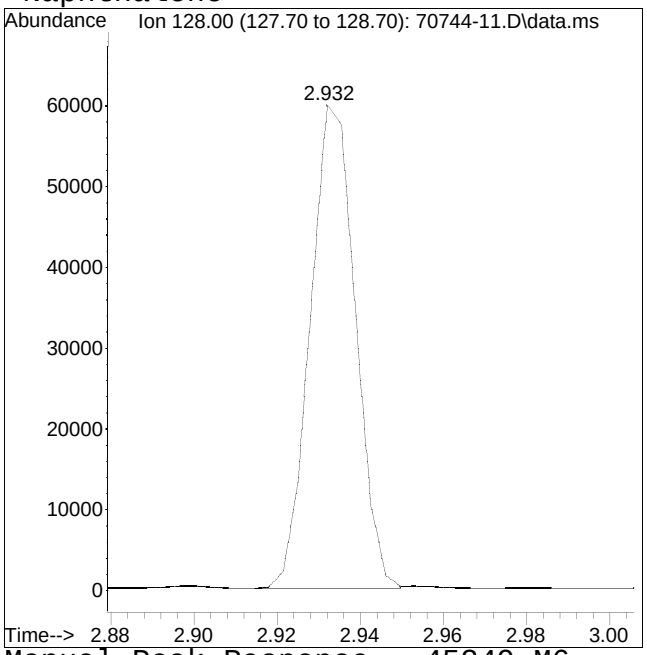
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-11.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 9:53 am Instrument : SV125
Sample : L2470744-11,32,,RR,kmh Quant Date : 12/9/2024 10:09 am

Compound #9: Naphthalene



Original Peak Response = 45497



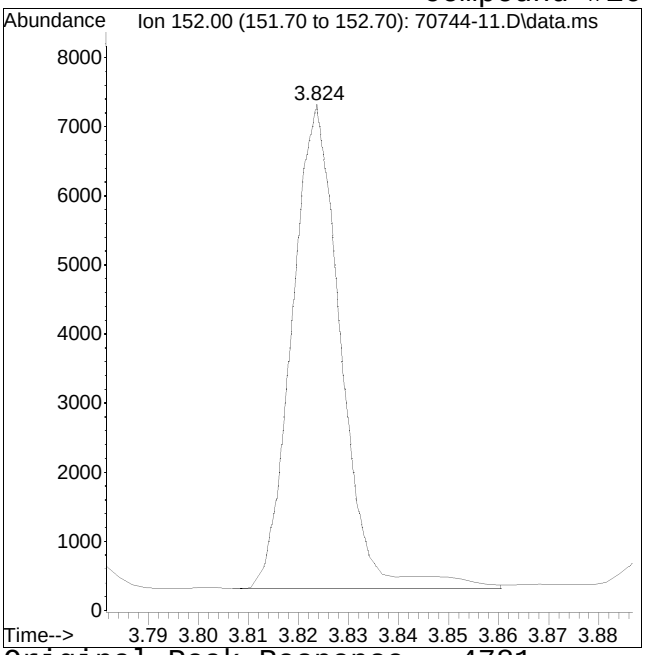
Manual Peak Response = 45249 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

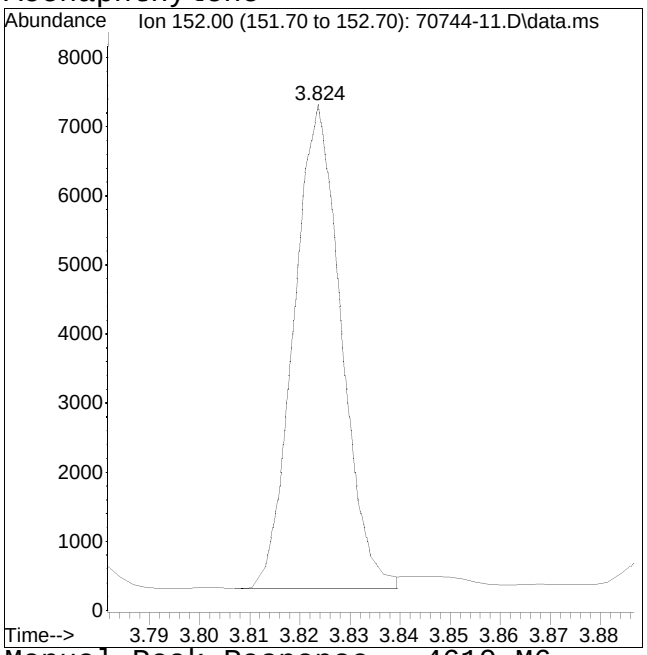
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-11.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 9:53 am Instrument : SV125
Sample : L2470744-11,32,,RR,kmh Quant Date : 12/9/2024 10:09 am

Compound #16: Acenaphthylene



Original Peak Response = 4781



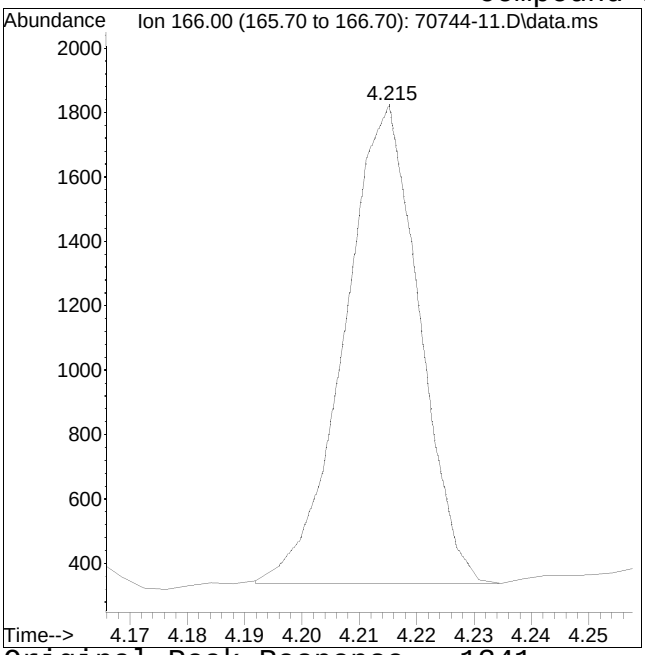
Manual Peak Response = 4610 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

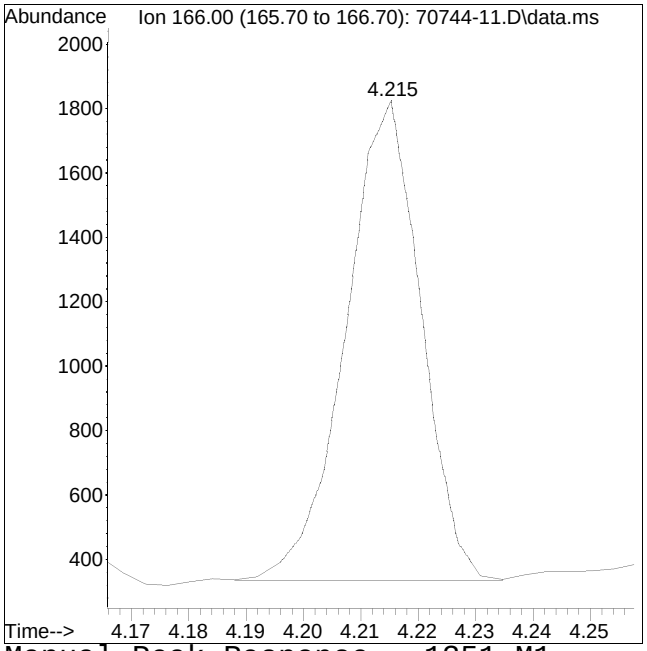
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-11.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 9:53 am Instrument : SV125
Sample : L2470744-11,32,,RR,kmh Quant Date : 12/9/2024 10:09 am

Compound #20: Fluorene



Original Peak Response = 1341



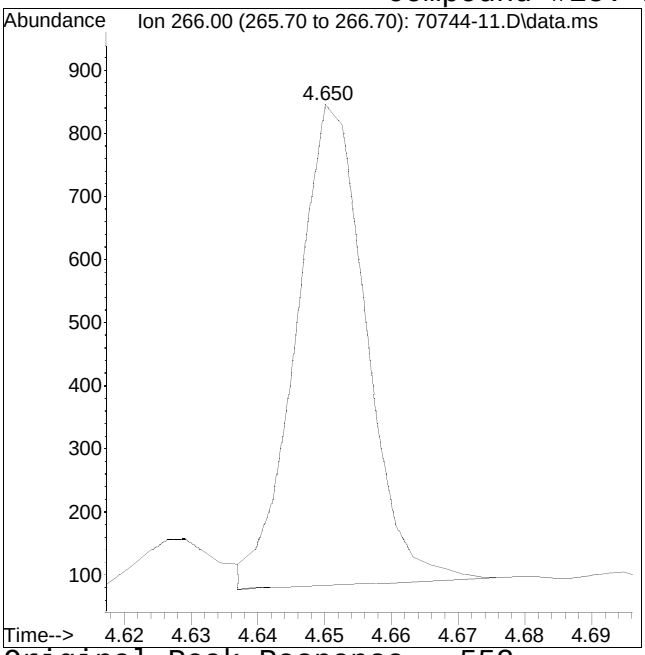
Manual Peak Response = 1351 M1

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

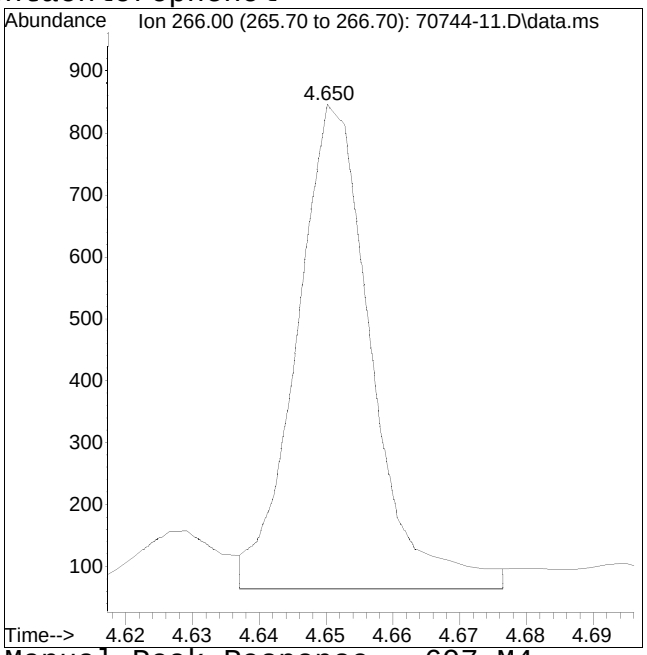
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-11.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 9:53 am Instrument : SV125
Sample : L2470744-11,32,,RR,kmh Quant Date : 12/9/2024 10:09 am

Compound #25: Pentachlorophenol



Original Peak Response = 552



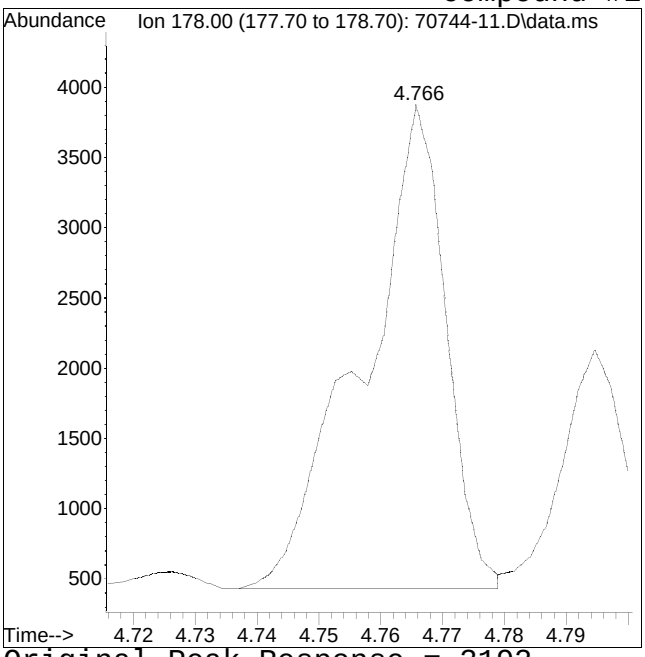
Manual Peak Response = 607 M4

M4 = Poor automated baseline construction.

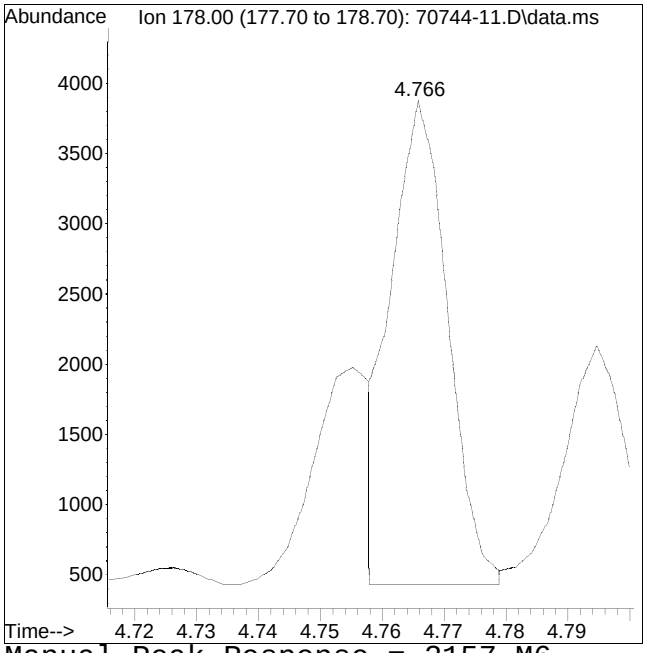
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-11.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 9:53 am Instrument : SV125
Sample : L2470744-11,32,,RR,kmh Quant Date : 12/9/2024 10:09 am

Compound #26: Phenanthrene



Original Peak Response = 3192



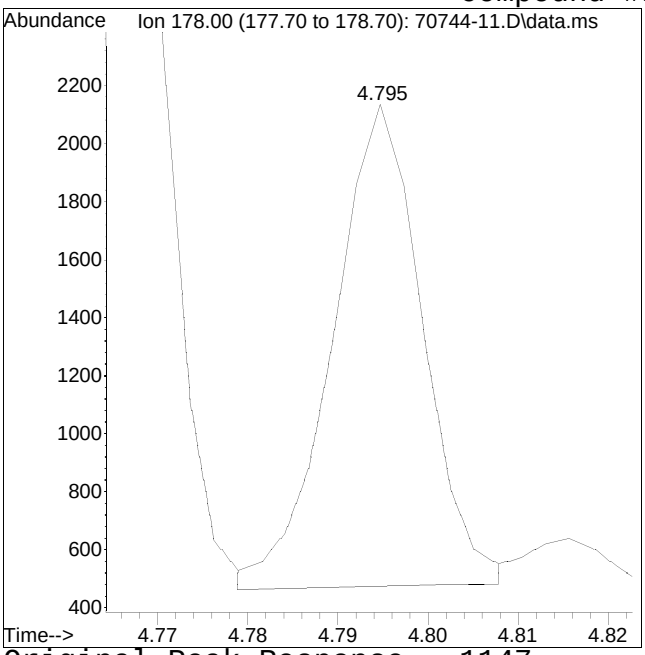
Manual Peak Response = 2157 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

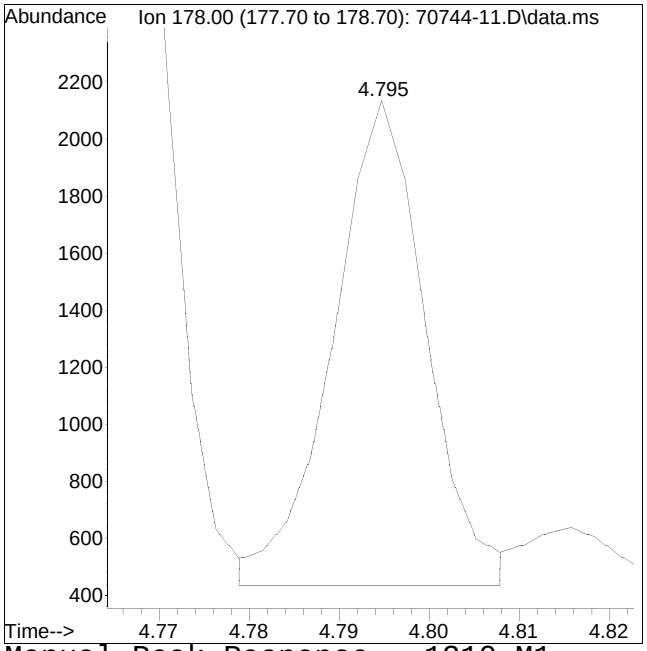
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-11.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 9:53 am Instrument : SV125
Sample : L2470744-11,32,,RR,kmh Quant Date : 12/9/2024 10:09 am

Compound #27: Anthracene



Original Peak Response = 1147



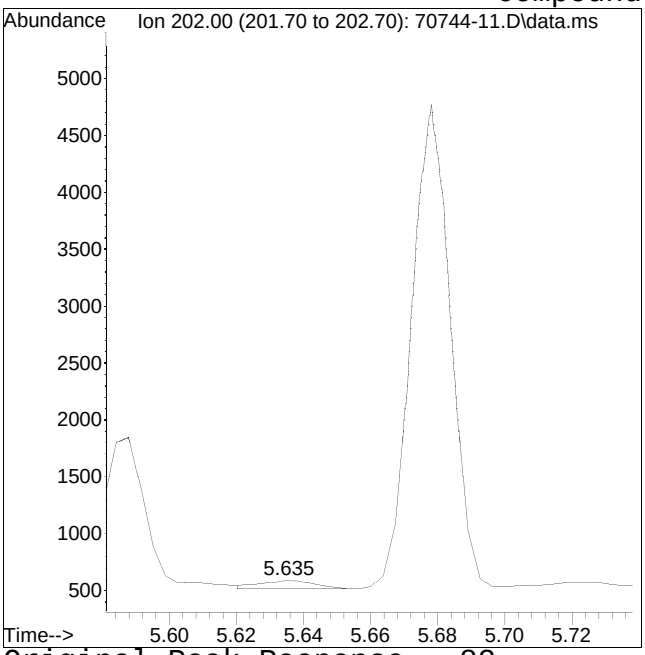
Manual Peak Response = 1210 M1

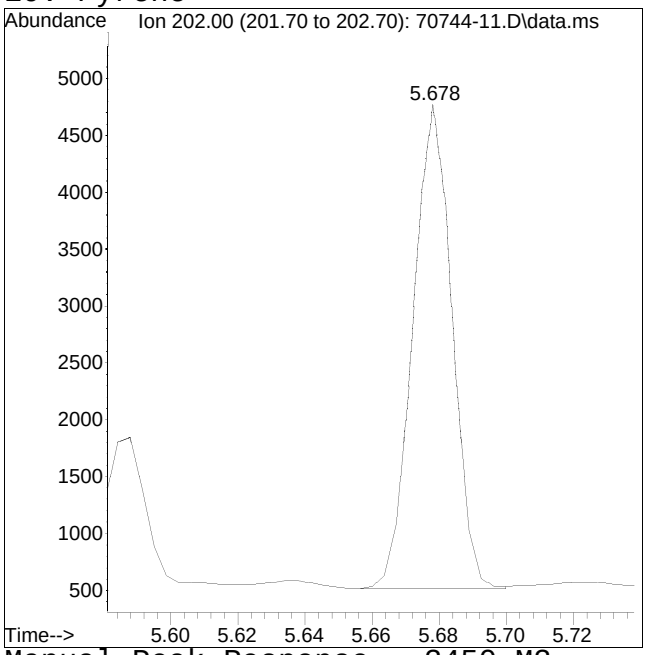
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-11.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 9:53 am Instrument : SV125
Sample : L2470744-11,32,,RR,kmh Quant Date : 12/9/2024 10:09 am

Compound #29: Pyrene





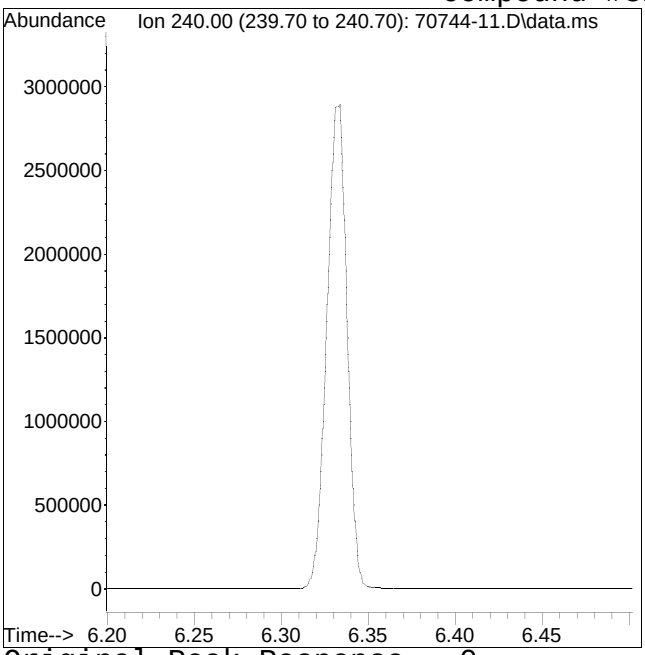
Original Peak Response = 82 Manual Peak Response = 3450 M3

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.

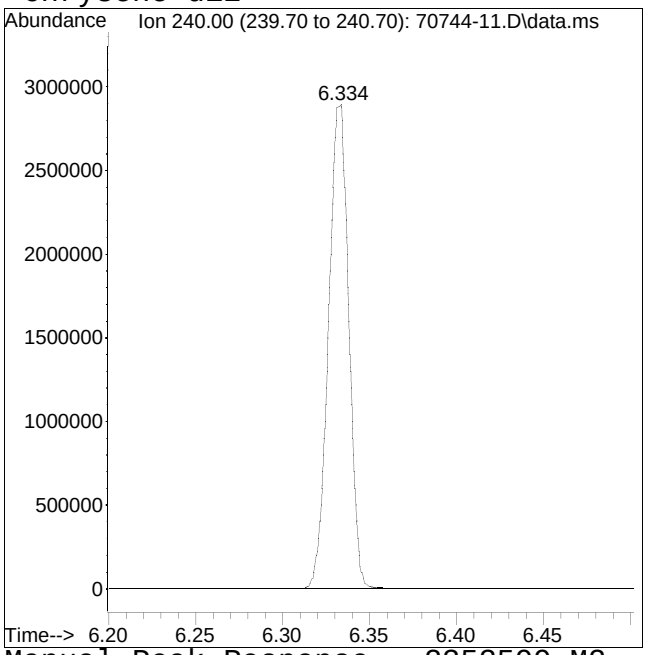
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-11.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 9:53 am Instrument : SV125
Sample : L2470744-11,32,,RR,kmh Quant Date : 12/9/2024 10:09 am

Compound #31: Chrysene-d12



Original Peak Response = 0



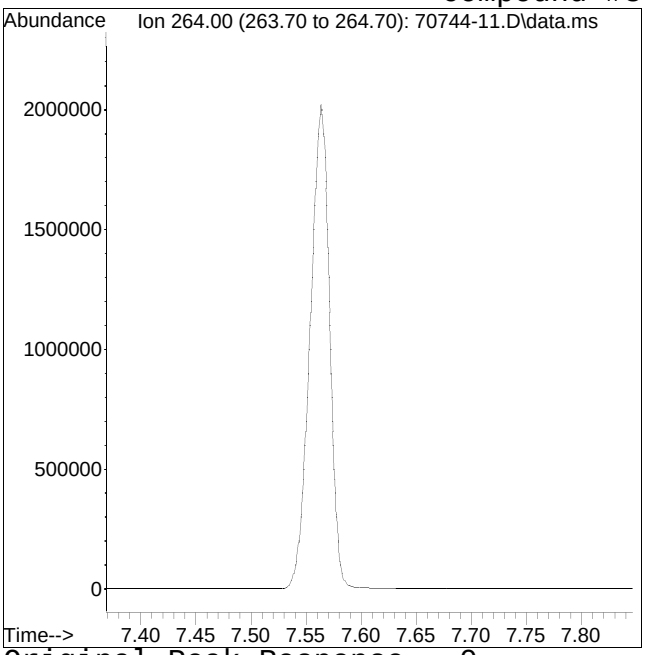
Manual Peak Response = 2353599 M2

M2 = Peak not found by automatic integration algorithm.

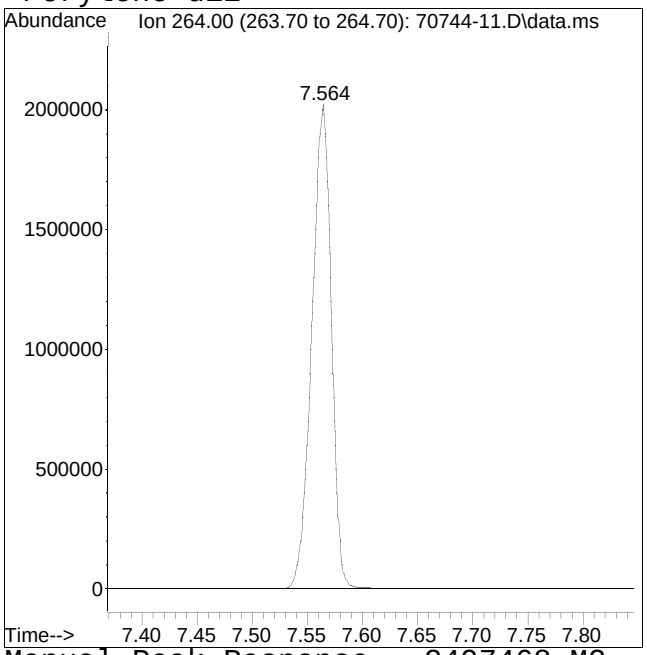
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-11.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 9:53 am Instrument : SV125
Sample : L2470744-11,32,,RR,kmh Quant Date : 12/9/2024 10:09 am

Compound #36: Perylene-d12



Original Peak Response = 0



Manual Peak Response = 2497468 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-12.D
Acq On : 09 Dec 2024 10:09 am
Operator : SV125:jjw
Sample : L2470744-12,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 13:01:37 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.264	152	422817	4000.000	ng/ml	0.02
Standard Area 1 = 620723			Recovery = 68.12%			
8) Naphthalene-d8	2.925	136	1575450	4000.000	ng/ml	0.01
Standard Area 1 = 2184118			Recovery = 72.13%			
17) Acenaphthene-d10	3.906	164	932079	4000.000	ng/ml	0.00
Standard Area 1 = 1298651			Recovery = 71.77%			
22) Phenanthrene-d10	4.753	188	1959685	4000.000	ng/ml	0.00
Standard Area 1 = 2706375			Recovery = 72.41%			
31) Chrysene-d12	6.323	240	2129484M2	4000.000	ng/ml	-0.09
Standard Area 1 = 2815094			Recovery = 75.65%			
36) Perylene-d12	7.551	264	2351752M2	4000.000	ng/ml	-0.10
Standard Area 1 = 3104537			Recovery = 75.75%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.680	112	149530	1316.174	ng/ml	0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery = 65.81%			
3) Phenol-d6	2.082	99	129027	897.318	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 44.87%			
7) Nitrobenzene-d5	2.547	82	130150	1063.131	ng/ml	0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 106.31%			
13) 2-Fluorobiphenyl	3.522	172	343247	979.397	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.94%			
21) 2,4,6-Tribromophenol	4.354	330	125407	2480.683	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 124.03%#			
30) 4-Terphenyl-d14	5.675	244	544140	1204.274	ng/ml	-0.05
Spiked Amount 1000.000	Range 30 - 130		Recovery = 120.43%			

Target Compounds				Qvalue
6) Hexachloroethane	0.000	0	N.D. d	
9) Naphthalene	0.000	0	N.D. d	
10) Hexachlorobutadiene	0.000	0	N.D.	
11) 2-Methylnaphthalene	0.000	0	N.D. d	
14) 2-Chloronaphthalene	0.000	0	N.D. d	
16) Acenaphthylene	0.000	0	N.D. d	
18) Acenaphthene	0.000	0	N.D. d	
20) Fluorene	0.000	0	N.D. d	
24) Hexachlorobenzene	0.000	0	N.D. d	
25) Pentachlorophenol	0.000	0	N.D. d	

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-12.D
Acq On : 09 Dec 2024 10:09 am
Operator : SV125:jjw
Sample : L2470744-12,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 13:01:37 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.766	178	1617M6	2.986	ng/ml	
27) Anthracene	4.795	178	680M4	1.304	ng/ml	
28) Fluoranthene	0.000		0	N.D.		d
29) Pyrene	0.000		0	N.D.		d
32) Benzo[a]anthracene	0.000		0	N.D.		d
34) Chrysene	0.000		0	N.D.		d
37) Benzo[b]fluoranthene	0.000		0	N.D.		
38) Benzo[k]fluoranthene	0.000		0	N.D.		
39) Benzo[a]pyrene	0.000		0	N.D.		d
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

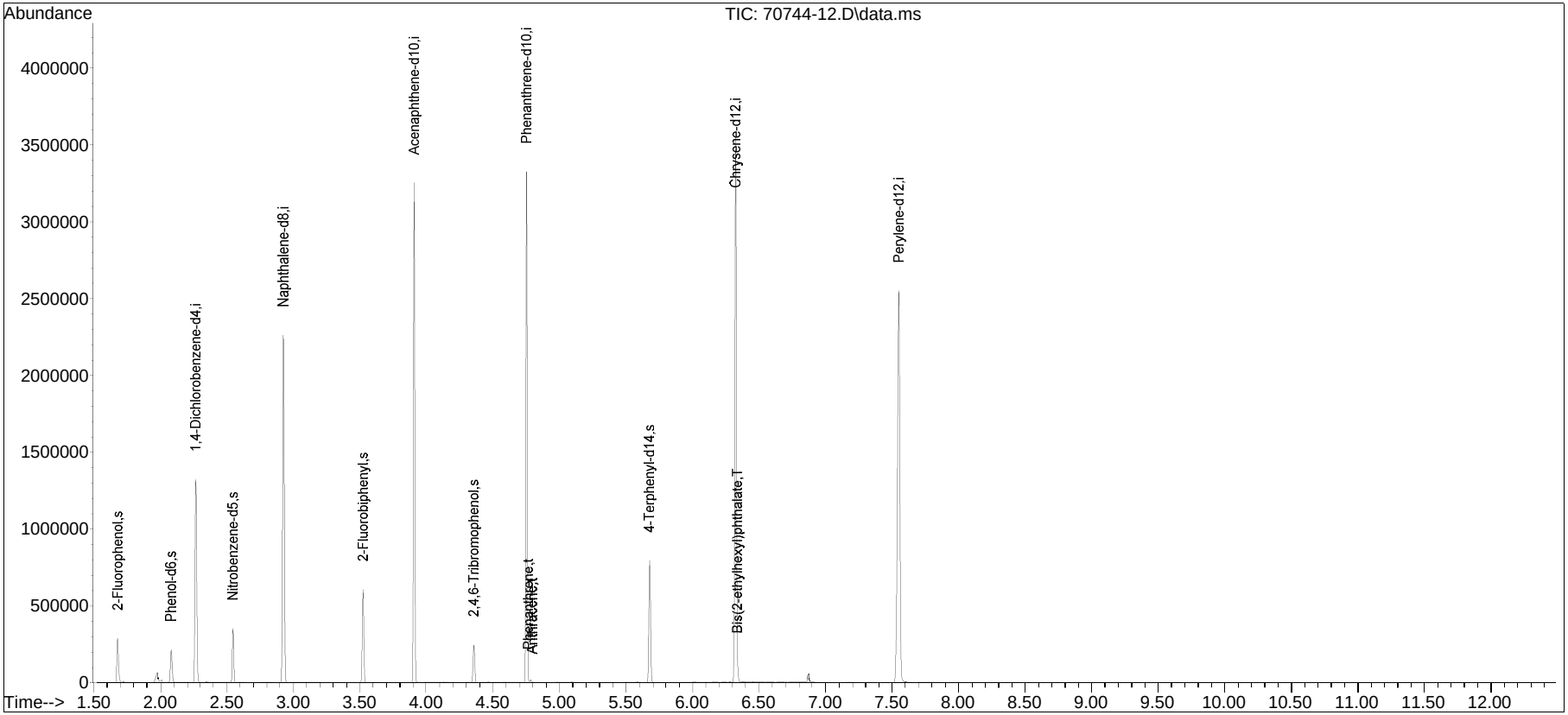
(#) = qualifier out of range (m) = manual integration (+) = signals summed

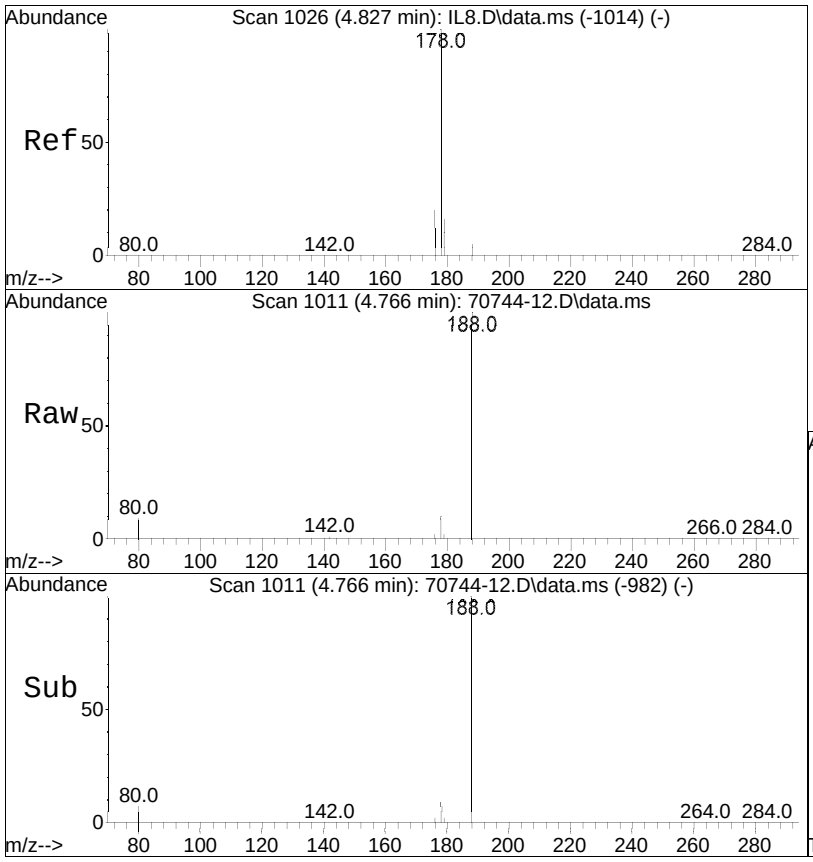
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-12.D
Acq On : 09 Dec 2024 10:09 am
Operator : SV125:jjw
Sample : L2470744-12,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 13:01:37 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv1209b.D•

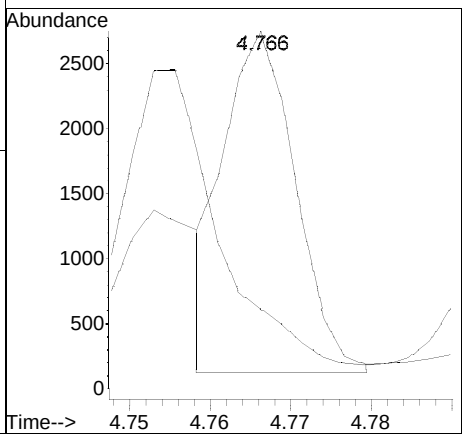


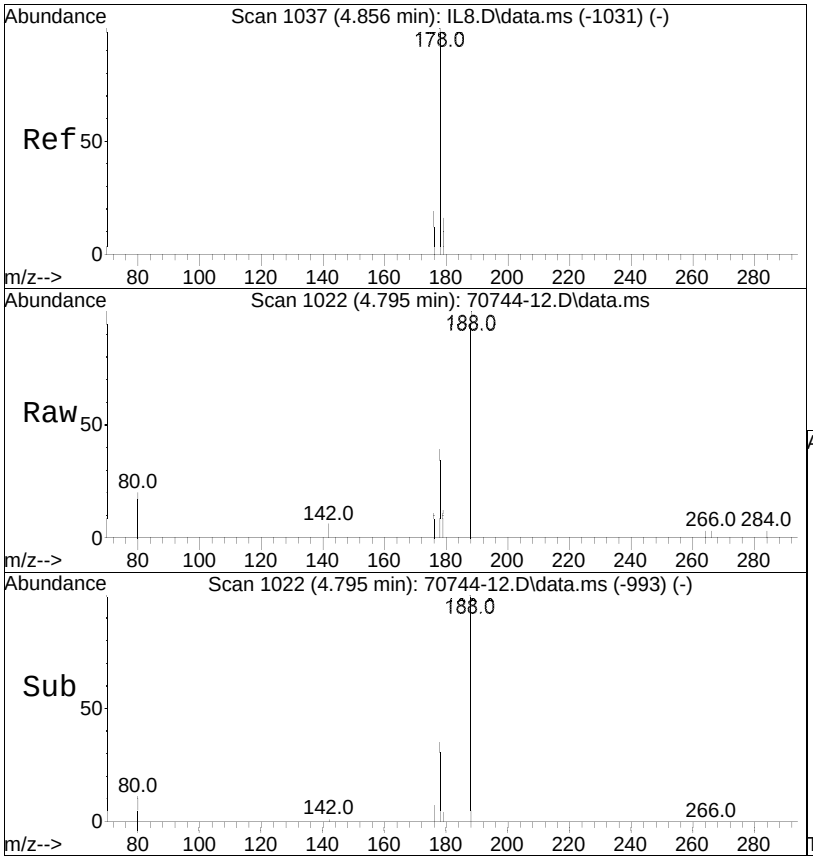


#26
Phenanthrene
Concen: 2.99 ng/ml M6
RT: 4.766 min Scan# 1011
Delta R.T. -0.004 min
Lab File: 70744-12.D
Acq: 09 Dec 2024 10:09 am

Tgt Ion:178 Resp: 1617

Ion	Ratio	Lower	Upper
178	100		
179	18.2	12.8	19.2

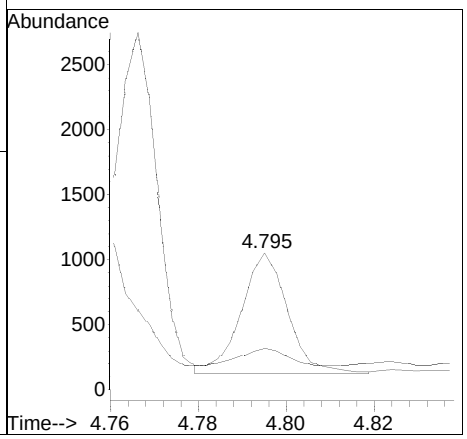




#27
Anthracene
Concen: 1.30 ng/ml M4
RT: 4.795 min Scan# 1022
Delta R.T. -0.004 min
Lab File: 70744-12.D
Acq: 09 Dec 2024 10:09 am

Tgt Ion:178 Resp: 680

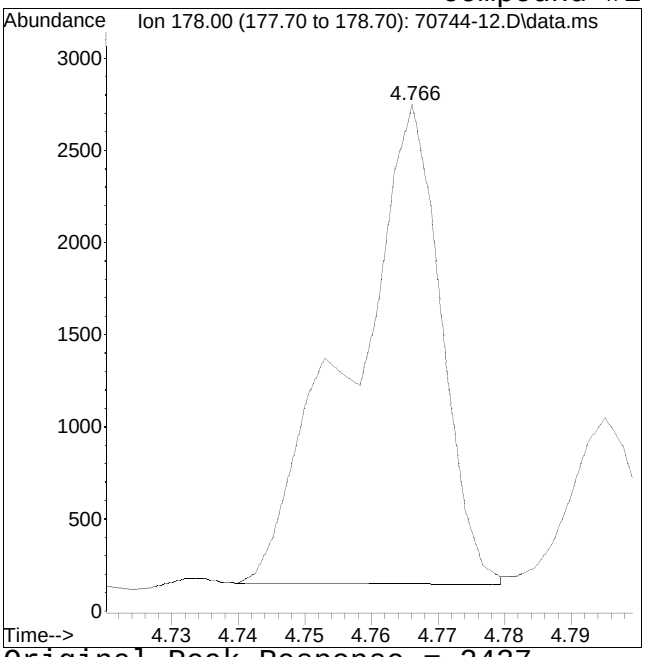
Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	18.8



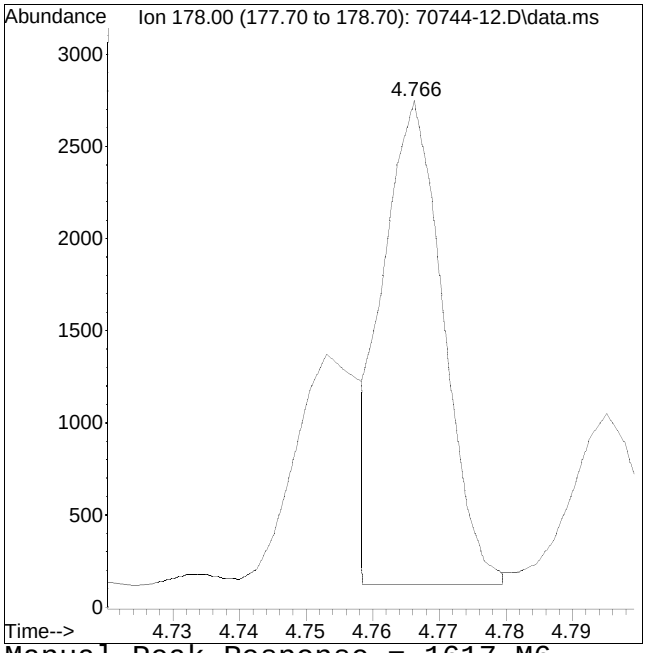
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-12.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 10:09 am Instrument : SV125
Sample : L2470744-12,32,,RR,kmh Quant Date : 12/9/2024 10:25 am

Compound #26: Phenanthrene



Original Peak Response = 2437



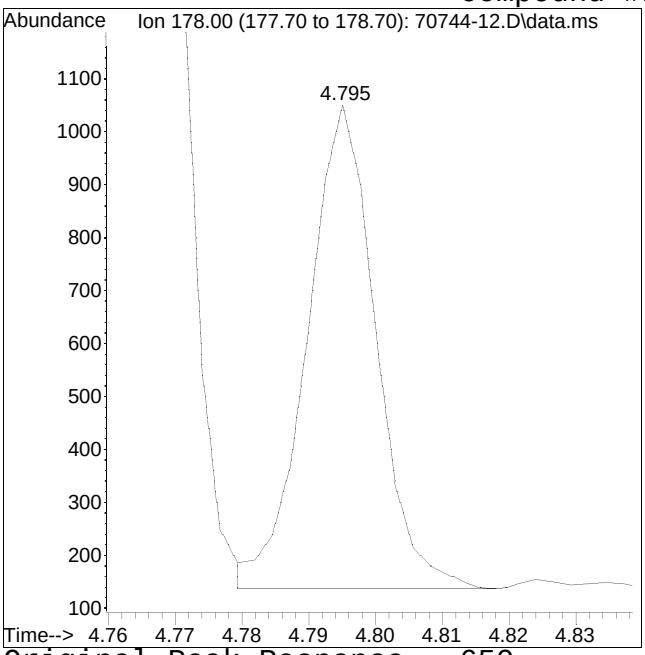
Manual Peak Response = 1617 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

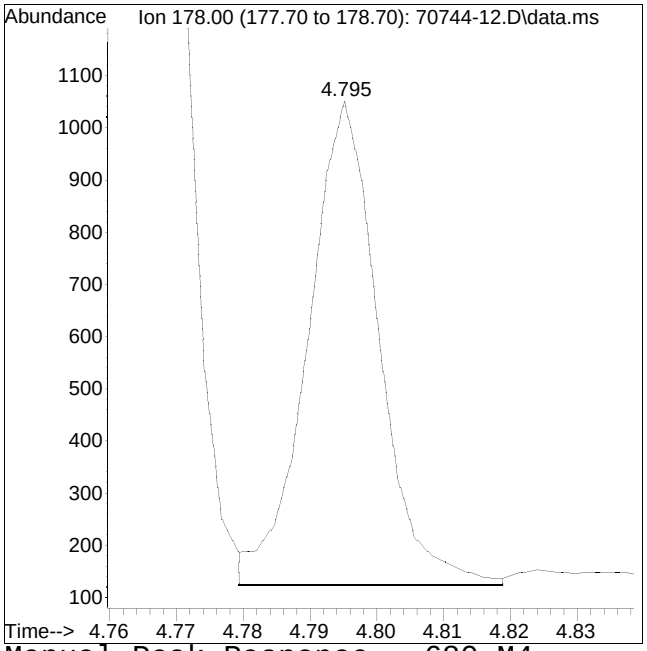
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-12.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 10:09 am Instrument : SV125
Sample : L2470744-12,32,,RR,kmh Quant Date : 12/9/2024 10:25 am

Compound #27: Anthracene



Original Peak Response = 650



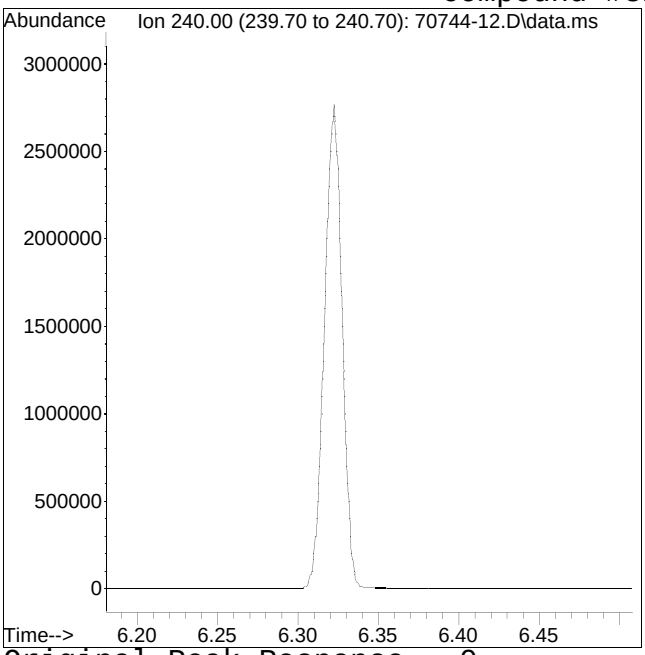
Manual Peak Response = 680 M4

M4 = Poor automated baseline construction.

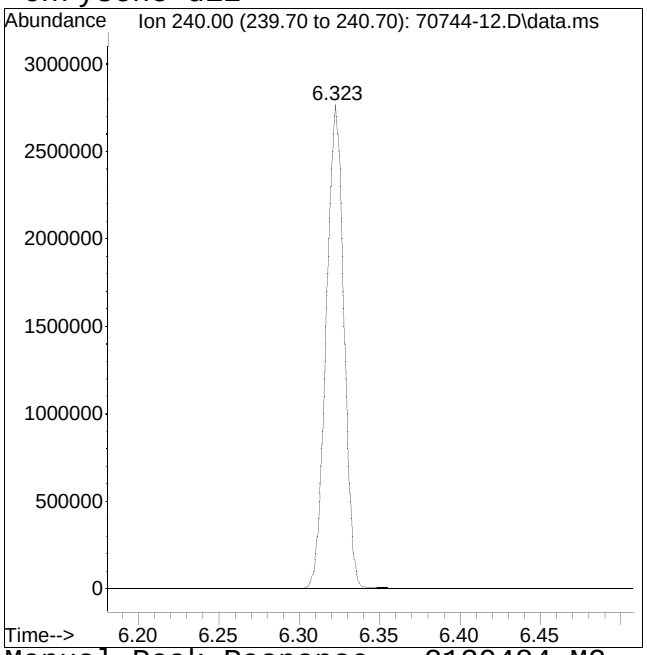
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-12.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 10:09 am Instrument : SV125
Sample : L2470744-12,32,,RR,kmh Quant Date : 12/9/2024 10:25 am

Compound #31: Chrysene-d12



Original Peak Response = 0



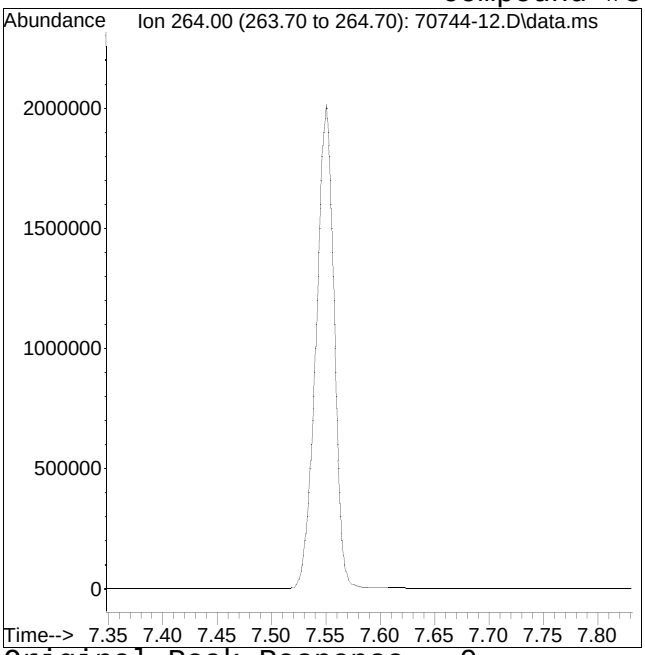
Manual Peak Response = 2129484 M2

M2 = Peak not found by automatic integration algorithm.

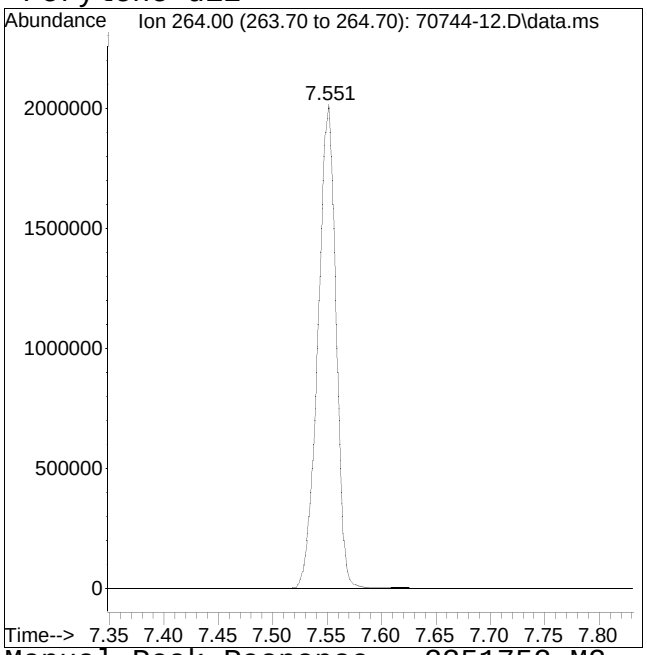
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-12.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 10:09 am Instrument : SV125
Sample : L2470744-12,32,,RR,kmh Quant Date : 12/9/2024 10:25 am

Compound #36: Perylene-d12



Original Peak Response = 0



Manual Peak Response = 2351752 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-13.D
Acq On : 09 Dec 2024 10:25 am
Operator : SV125:jjw
Sample : L2470744-13,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 13:04:30 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.266	152	475566	4000.000	ng/ml	0.02
Standard Area 1 = 620723			Recovery	= 76.61%		
8) Naphthalene-d8	2.928	136	1775848	4000.000	ng/ml	0.02
Standard Area 1 = 2184118			Recovery	= 81.31%		
17) Acenaphthene-d10	3.907	164	1059797	4000.000	ng/ml	0.00
Standard Area 1 = 1298651			Recovery	= 81.61%		
22) Phenanthrene-d10	4.755	188	2196410	4000.000	ng/ml	0.00
Standard Area 1 = 2706375			Recovery	= 81.16%		
31) Chrysene-d12	6.322	240	2385854M2	4000.000	ng/ml	-0.09
Standard Area 1 = 2815094			Recovery	= 84.75%		
36) Perylene-d12	7.554	264	2641709M2	4000.000	ng/ml	-0.10
Standard Area 1 = 3104537			Recovery	= 85.09%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.680	112	158564	1240.884	ng/ml	0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 62.04%		
3) Phenol-d6	2.083	99	138187	854.427	ng/ml	0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 42.72%		
7) Nitrobenzene-d5	2.547	82	140498	1020.362	ng/ml	0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 102.04%		
13) 2-Fluorobiphenyl	3.525	172	370783	938.579	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 93.86%		
21) 2,4,6-Tribromophenol	4.359	330	129361	2250.520	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 112.53%#		
30) 4-Terphenyl-d14	5.678	244	581706	1148.659	ng/ml	-0.05
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 114.87%		
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.		
9) Naphthalene	0.000		0	N.D.	d	
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	4.652	266	156M4	13.060	ng/ml	

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-13.D
Acq On : 09 Dec 2024 10:25 am
Operator : SV125:jjw
Sample : L2470744-13,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 13:04:30 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.		
37) Benzo[b]fluoranthene	0.000		0	N.D.		
38) Benzo[k]fluoranthene	0.000		0	N.D.		
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

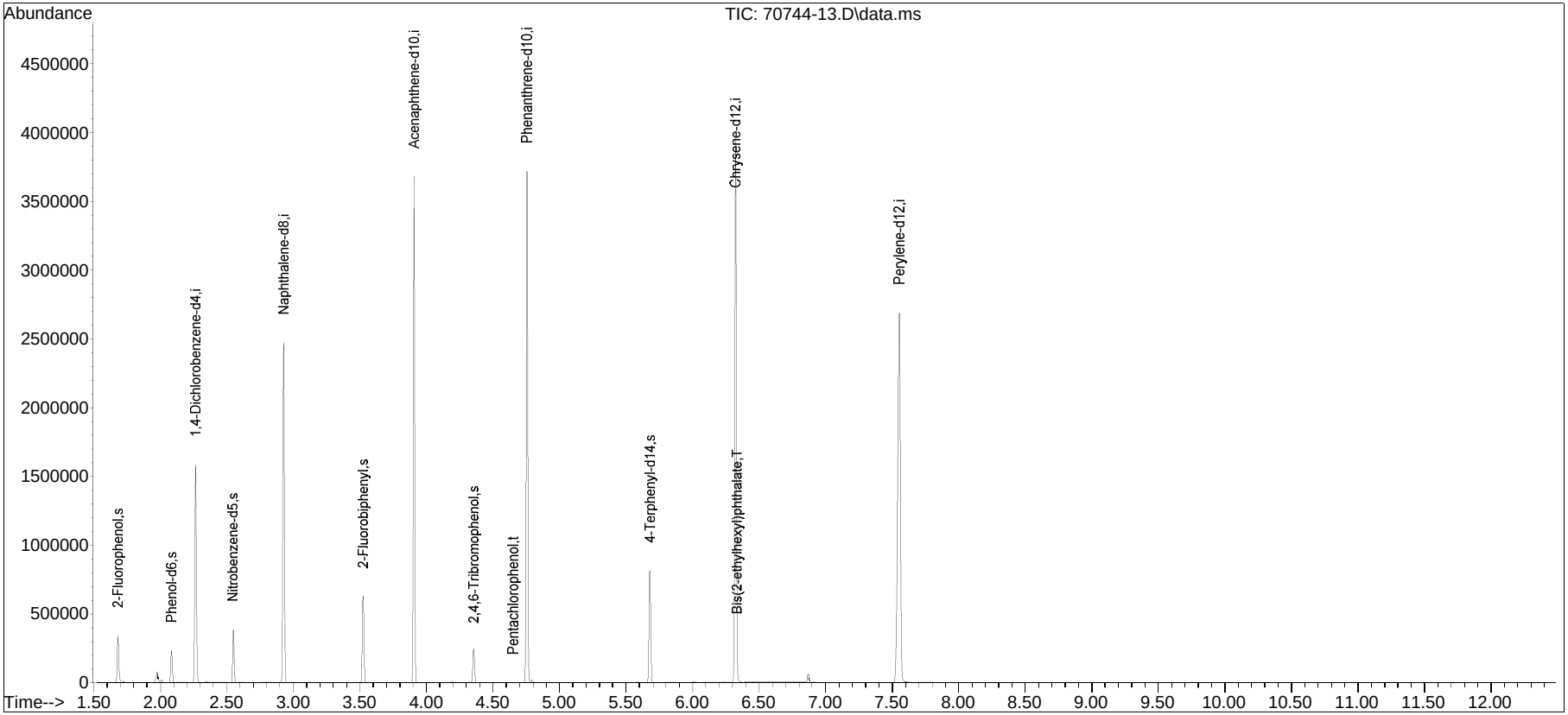
(#) = qualifier out of range (m) = manual integration (+) = signals summed

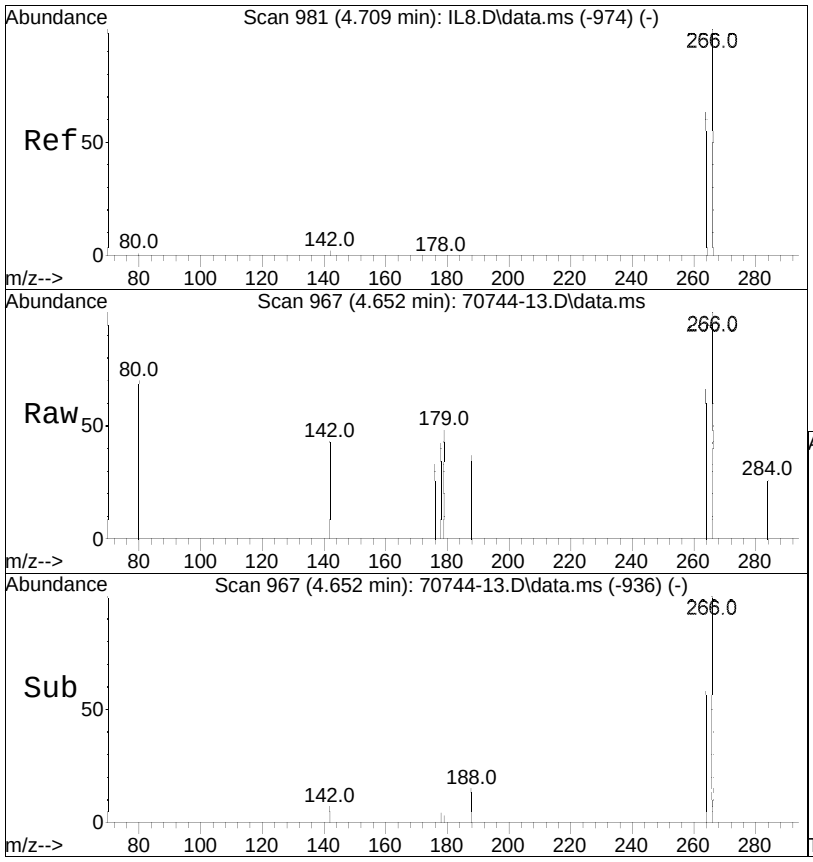
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-13.D
Acq On : 09 Dec 2024 10:25 am
Operator : SV125:jjw
Sample : L2470744-13,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 13:04:30 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv1209b.D•

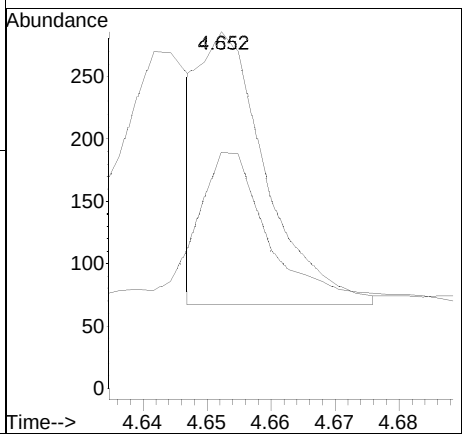




#25
Pentachlorophenol
Concen: 13.06 ng/ml M4
RT: 4.652 min Scan# 967
Delta R.T. 0.000 min
Lab File: 70744-13.D
Acq: 09 Dec 2024 10:25 am

Tgt Ion:266 Resp: 156

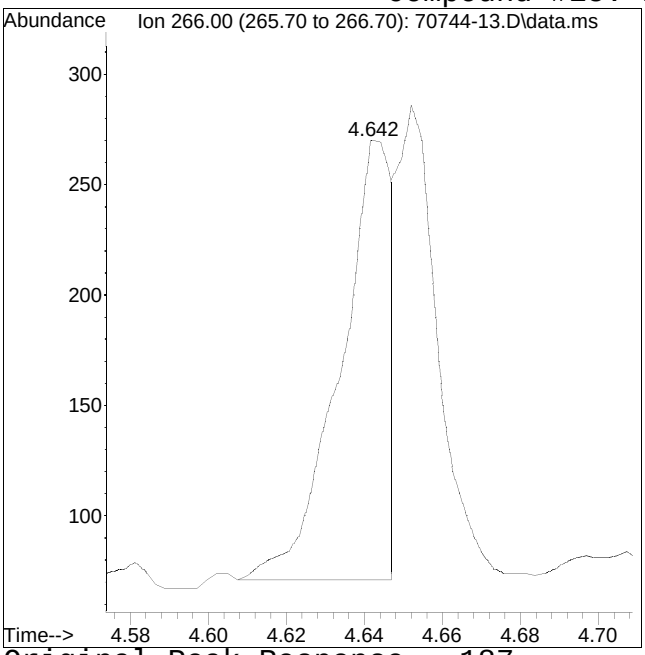
Ion	Ratio	Lower	Upper
266	100		
264	59.6	50.6	76.0



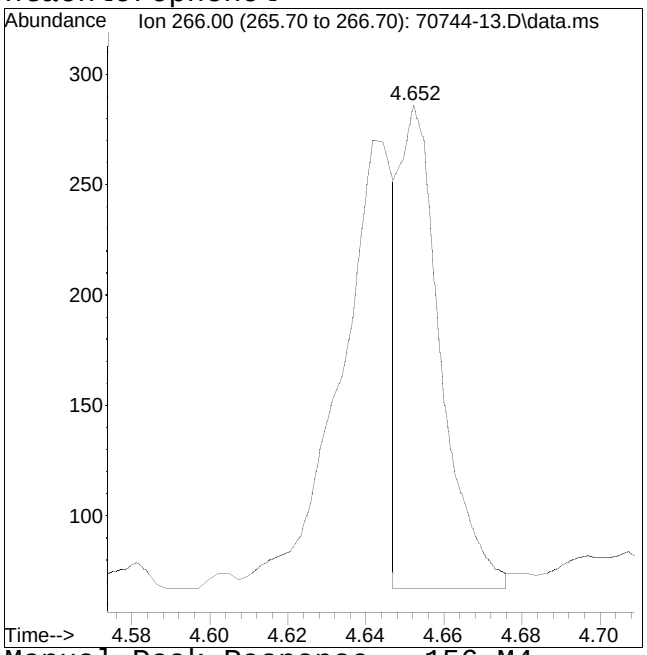
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-13.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 10:25 am Instrument : SV125
Sample : L2470744-13,32,,RR,kmh Quant Date : 12/9/2024 10:41 am

Compound #25: Pentachlorophenol



Original Peak Response = 187



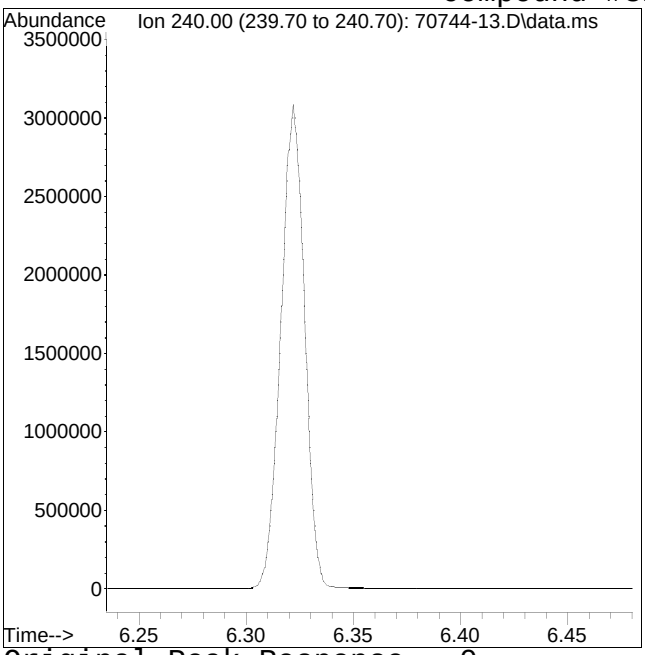
Manual Peak Response = 156 M4

M4 = Poor automated baseline construction.

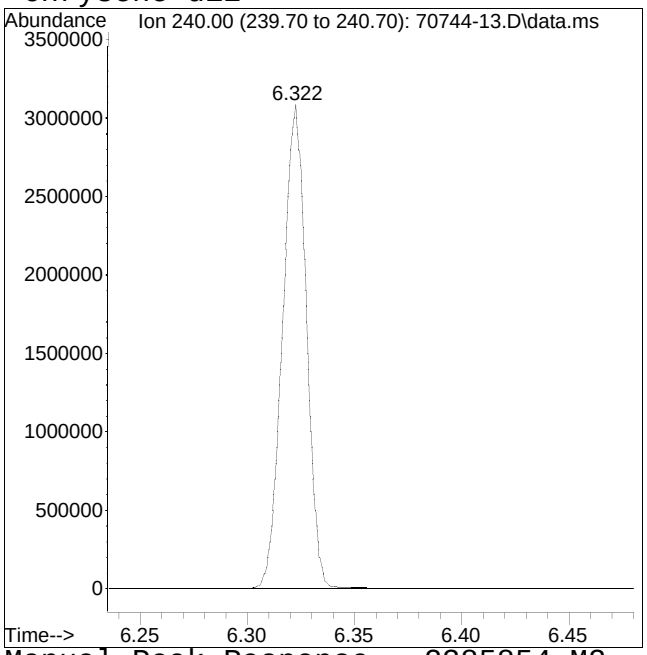
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-13.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 10:25 am Instrument : SV125
Sample : L2470744-13,32,,RR,kmh Quant Date : 12/9/2024 10:41 am

Compound #31: Chrysene-d12



Original Peak Response = 0



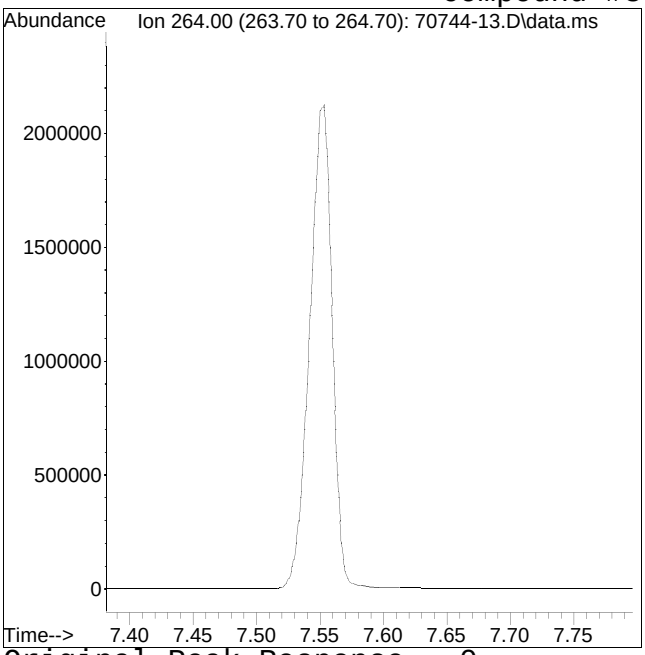
Manual Peak Response = 2385854 M2

M2 = Peak not found by automatic integration algorithm.

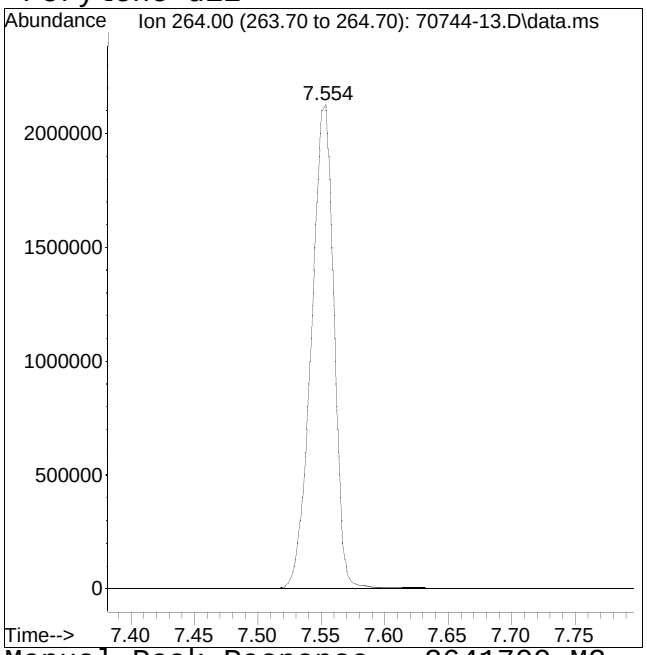
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-13.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 10:25 am Instrument : SV125
Sample : L2470744-13,32,,RR,kmh Quant Date : 12/9/2024 10:41 am

Compound #36: Perylene-d12



Original Peak Response = 0



Manual Peak Response = 2641709 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-14.D
Acq On : 09 Dec 2024 10:41 am
Operator : SV125:jjw
Sample : L2470744-14,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 13:06:33 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.266	152	517673	4000.000	ng/ml	0.02
Standard Area 1 = 620723			Recovery = 83.40%			
8) Naphthalene-d8	2.928	136	1968239	4000.000	ng/ml	0.02
Standard Area 1 = 2184118			Recovery = 90.12%			
17) Acenaphthene-d10	3.907	164	1197193	4000.000	ng/ml	0.00
Standard Area 1 = 1298651			Recovery = 92.19%			
22) Phenanthrene-d10	4.756	188	2477447	4000.000	ng/ml	0.00
Standard Area 1 = 2706375			Recovery = 91.54%			
31) Chrysene-d12	6.325	240	2656049M2	4000.000	ng/ml	-0.09
Standard Area 1 = 2815094			Recovery = 94.35%			
36) Perylene-d12	7.556	264	2967971M2	4000.000	ng/ml	-0.09
Standard Area 1 = 3104537			Recovery = 95.60%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.677	112	130655	939.308	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.97%			
3) Phenol-d6	2.080	99	118941	675.608	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 33.78%			
7) Nitrobenzene-d5	2.546	82	126330	842.842	ng/ml	0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 84.28%			
13) 2-Fluorobiphenyl	3.525	172	340999	778.811	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 77.88%			
21) 2,4,6-Tribromophenol	4.358	330	102627	1580.519	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 79.03%			
30) 4-Terphenyl-d14	5.678	244	531718	930.846	ng/ml	-0.05
Spiked Amount 1000.000	Range 30 - 130		Recovery = 93.08%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.938	128	1676	3.171	ng/ml#	85
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	4.651	266	296M6	14.908	ng/ml	

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-14.D
Acq On : 09 Dec 2024 10:41 am
Operator : SV125:jjw
Sample : L2470744-14,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 13:06:33 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.		
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

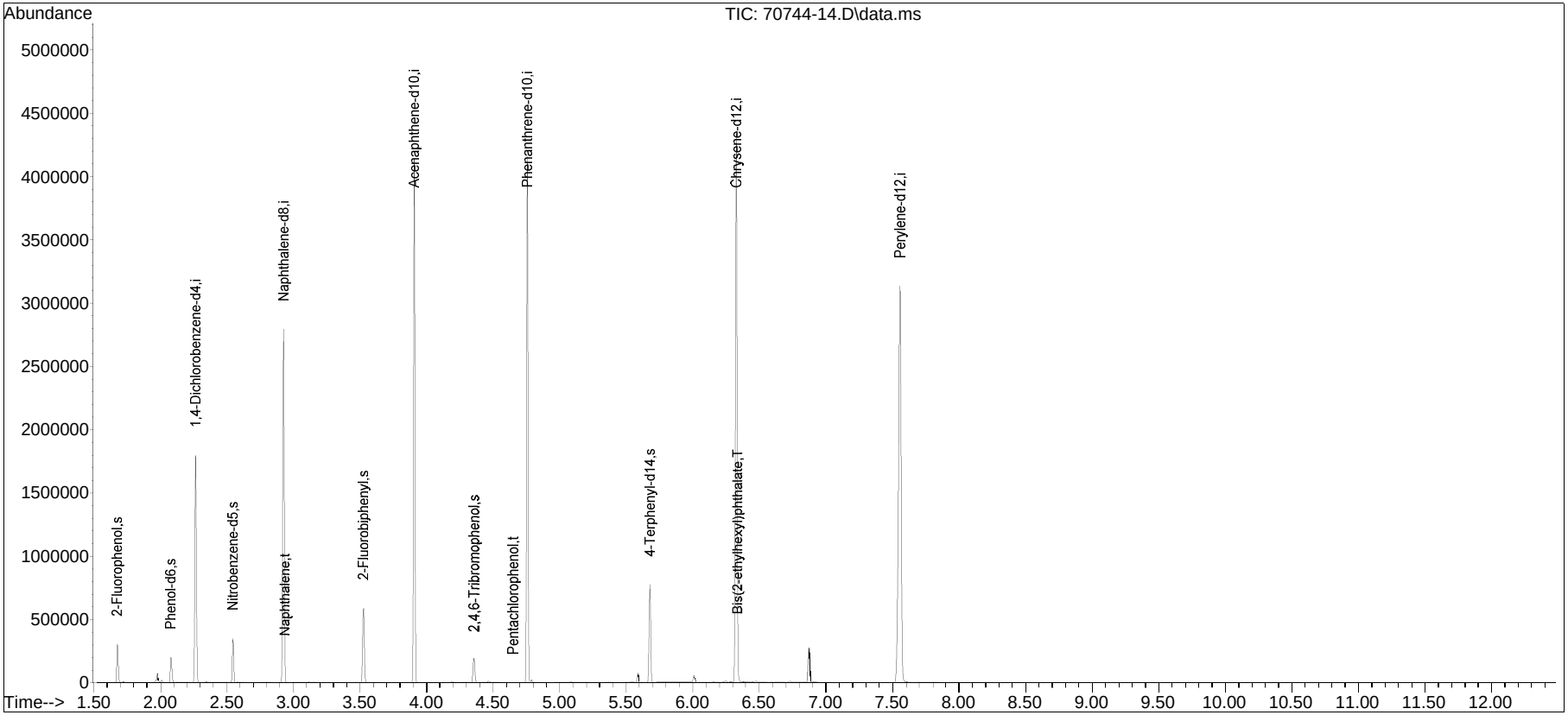
(#) = qualifier out of range (m) = manual integration (+) = signals summed

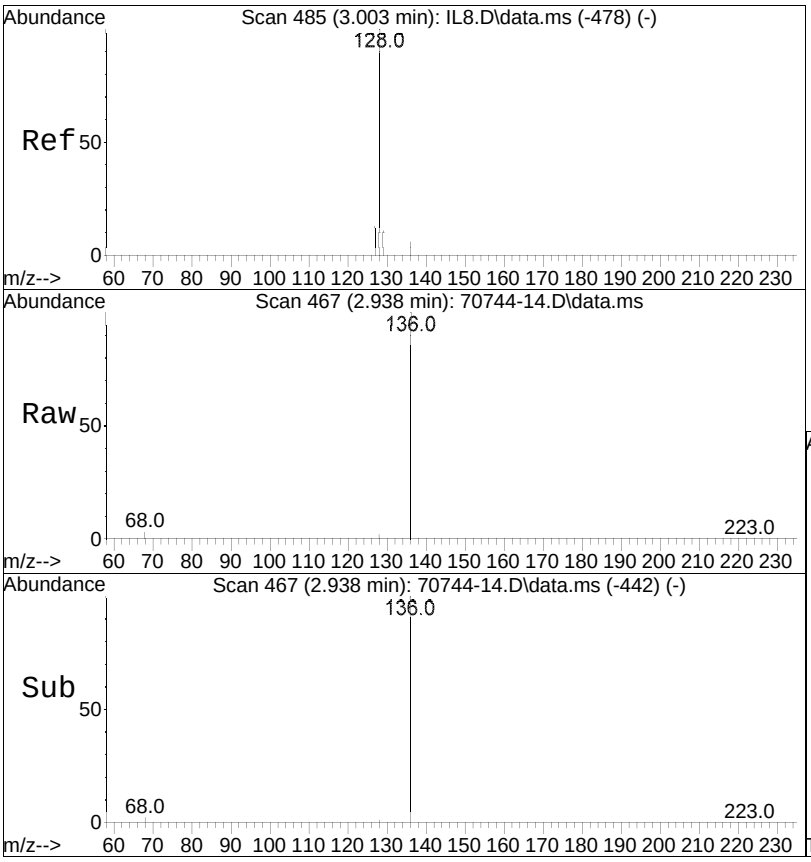
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-14.D
Acq On : 09 Dec 2024 10:41 am
Operator : SV125:jjw
Sample : L2470744-14,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 13:06:33 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv1209b.D•

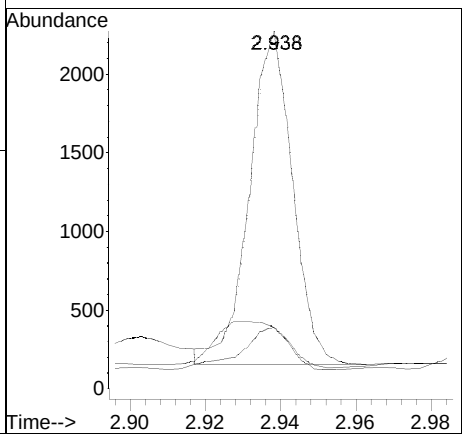


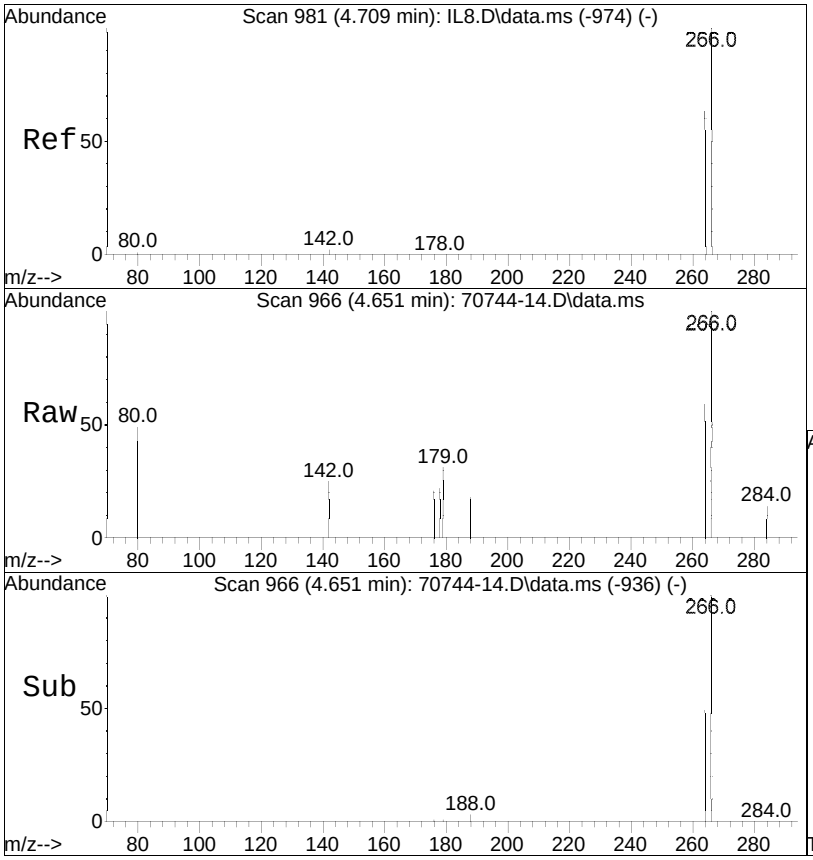


#9
Naphthalene
Concen: 3.17 ng/ml
RT: 2.938 min Scan# 467
Delta R.T. 0.015 min
Lab File: 70744-14.D
Acq: 09 Dec 2024 10:41 am

Tgt Ion:128 Resp: 1676

Ion	Ratio	Lower	Upper
128	100		
129	22.7	8.9	13.3#
127	14.5	10.9	16.3

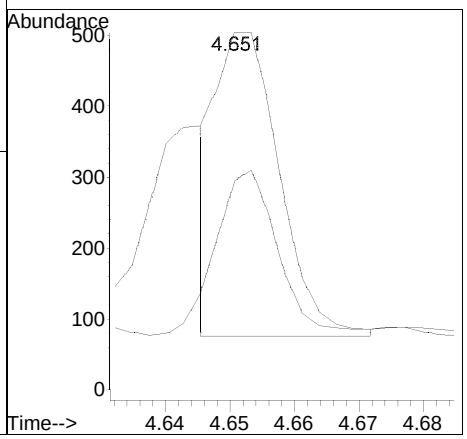




#25
Pentachlorophenol
Concen: 14.91 ng/ml M6
RT: 4.651 min Scan# 966
Delta R.T. -0.001 min
Lab File: 70744-14.D
Acq: 09 Dec 2024 10:41 am

Tgt Ion:266 Resp: 296

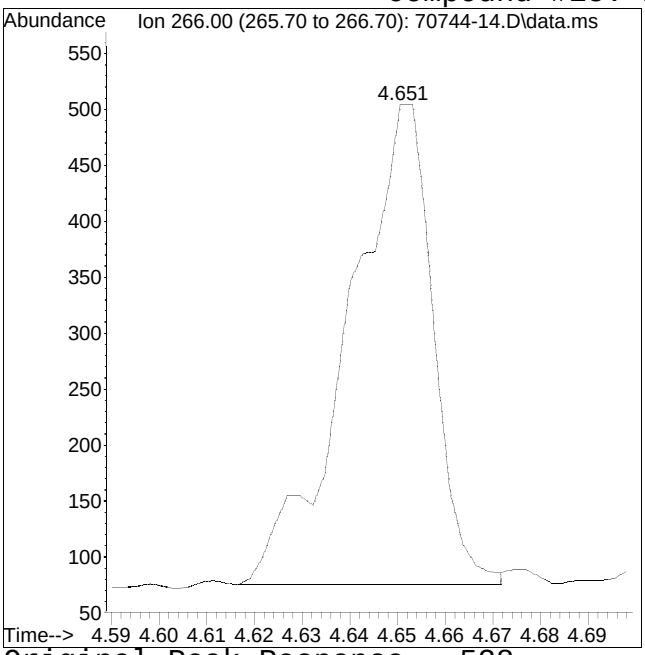
Ion	Ratio	Lower	Upper
266	100		
264	53.0	50.6	76.0



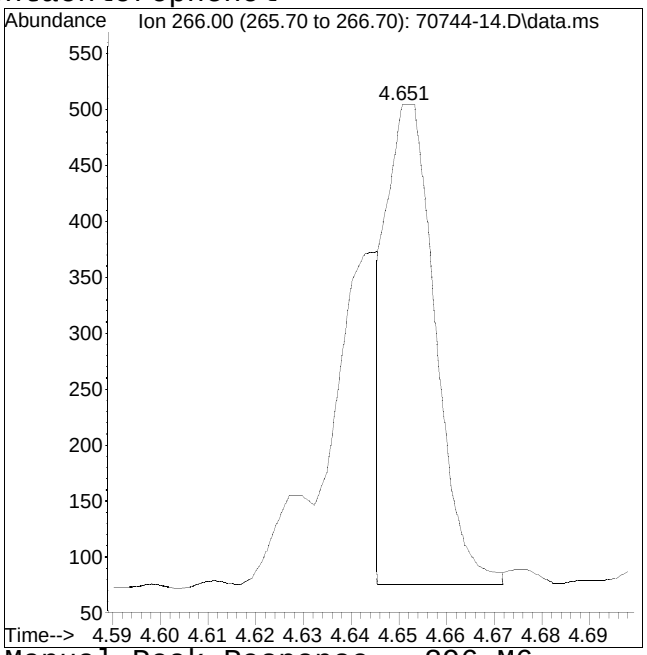
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQ
Data File : 70744-14.D
Date Inj'd : 12/9/2024 10:41 am
Sample : L2470744-14,32,,RR,kmh
Method : SIM-RVT_241105n_sv125.M
Operator : SV125:jjw
Instrument : SV125
Quant Date : 12/9/2024 10:57 am

Compound #25: Pentachlorophenol



Original Peak Response = 528



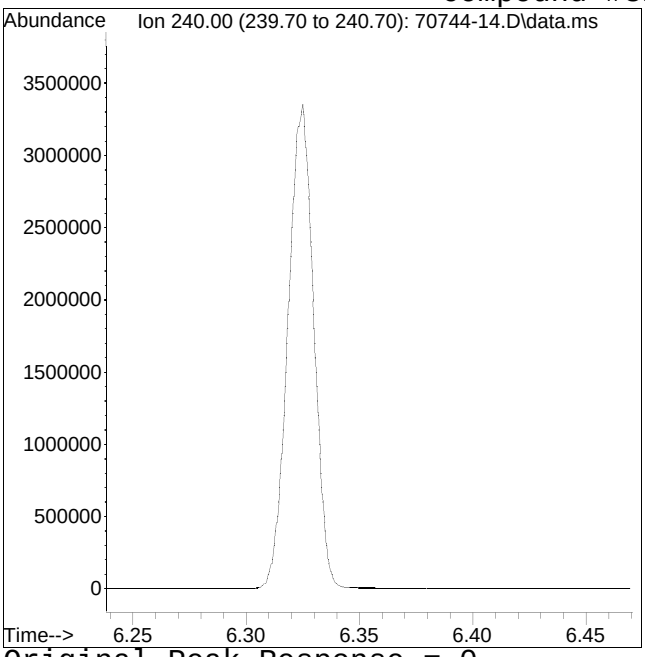
Manual Peak Response = 296 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

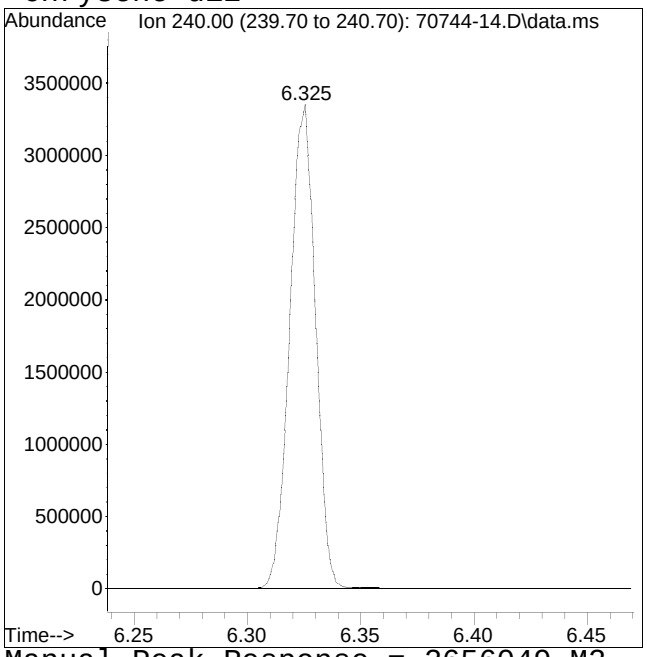
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-14.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 10:41 am Instrument : SV125
Sample : L2470744-14,32,,RR,kmh Quant Date : 12/9/2024 10:57 am

Compound #31: Chrysene-d12



Original Peak Response = 0



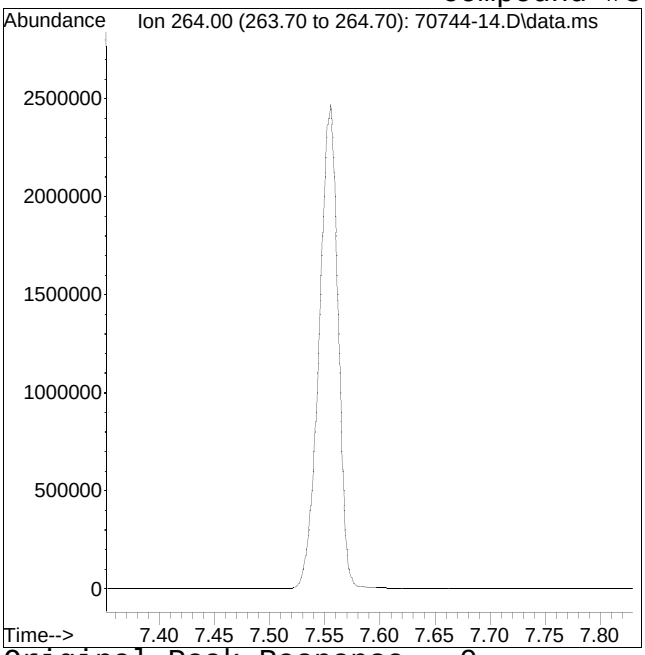
Manual Peak Response = 2656049 M2

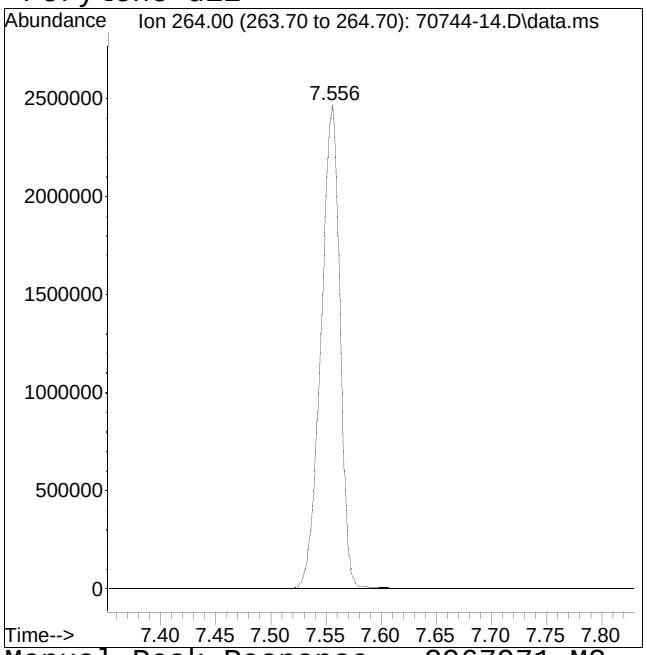
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-14.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 10:41 am Instrument : SV125
Sample : L2470744-14,32,,RR,kmh Quant Date : 12/9/2024 10:57 am

Compound #36: Perylene-d12





Original Peak Response = 0 Manual Peak Response = 2967971 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-15.D
Acq On : 09 Dec 2024 10:58 am
Operator : SV125:jjw
Sample : L2470744-15,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 13:09:04 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.266	152	496465	4000.000	ng/ml	0.02
Standard Area 1 = 620723			Recovery = 79.98%			
8) Naphthalene-d8	2.929	136	1873582	4000.000	ng/ml	0.02
Standard Area 1 = 2184118			Recovery = 85.78%			
17) Acenaphthene-d10	3.907	164	1158024	4000.000	ng/ml	0.00
Standard Area 1 = 1298651			Recovery = 89.17%			
22) Phenanthrene-d10	4.755	188	2413147	4000.000	ng/ml	0.00
Standard Area 1 = 2706375			Recovery = 89.17%			
31) Chrysene-d12	6.322	240	2598808M2	4000.000	ng/ml	-0.09
Standard Area 1 = 2815094			Recovery = 92.32%			
36) Perylene-d12	7.553	264	2903633M2	4000.000	ng/ml	-0.10
Standard Area 1 = 3104537			Recovery = 93.53%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.680	112	123474	925.602	ng/ml	0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.28%			
3) Phenol-d6	2.083	99	115864	686.244	ng/ml	0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery = 34.31%			
7) Nitrobenzene-d5	2.549	82	134722	937.227	ng/ml	0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 93.72%			
13) 2-Fluorobiphenyl	3.526	172	363203	871.432	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 87.14%			
21) 2,4,6-Tribromophenol	4.358	330	101520	1616.353	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 80.82%			
30) 4-Terphenyl-d14	5.677	244	566163	1017.557	ng/ml	-0.05
Spiked Amount 1000.000	Range 30 - 130		Recovery = 101.76%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.		
9) Naphthalene	0.000		0	N.D.	d	
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	4.653	266	259M3	14.445	ng/ml	

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-15.D
Acq On : 09 Dec 2024 10:58 am
Operator : SV125:jjw
Sample : L2470744-15,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 13:09:04 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.		
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

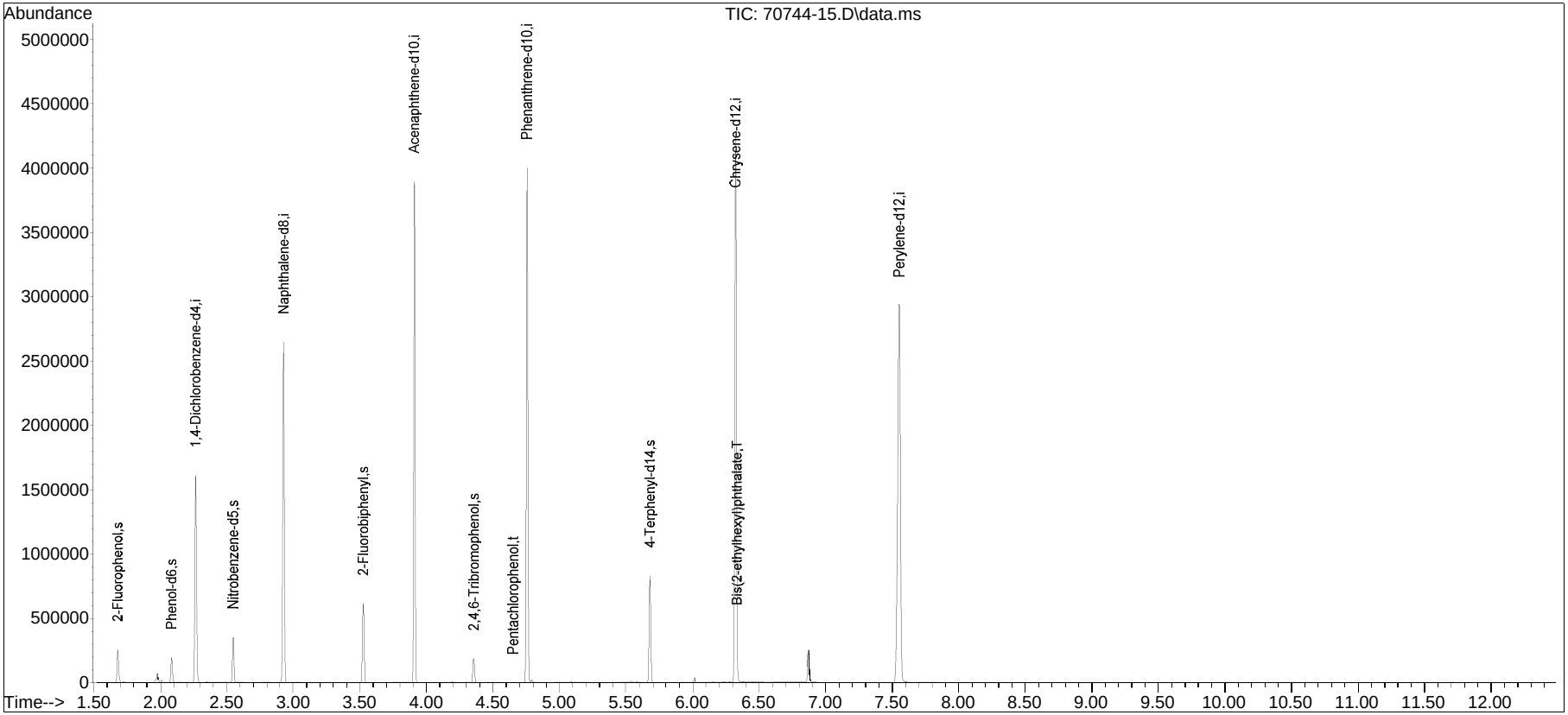
(#) = qualifier out of range (m) = manual integration (+) = signals summed

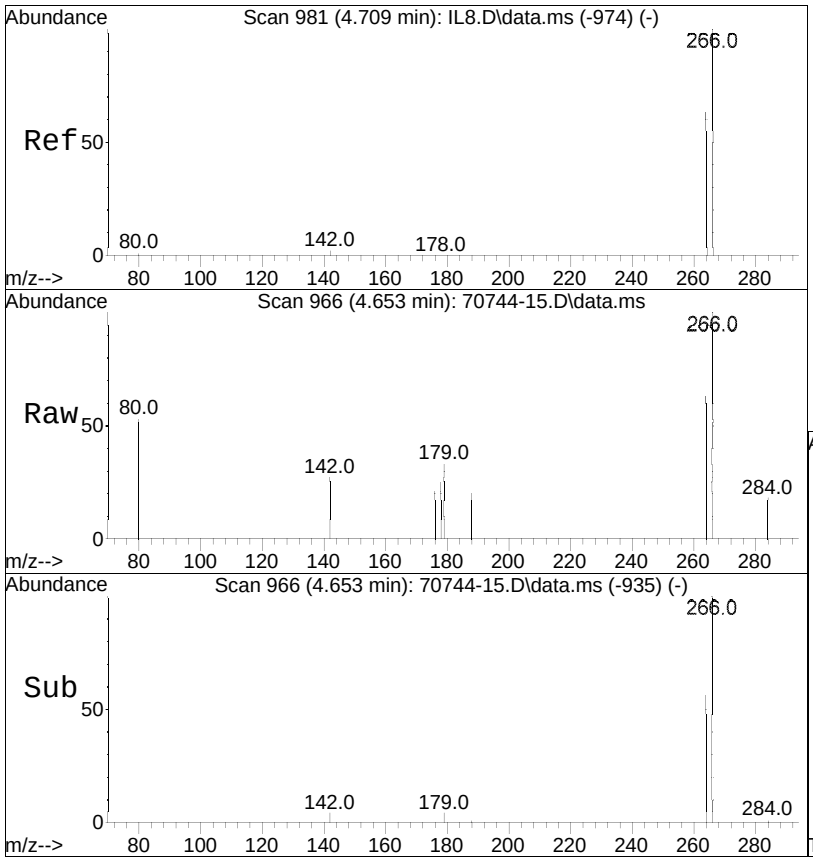
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 70744-15.D
Acq On : 09 Dec 2024 10:58 am
Operator : SV125:jjw
Sample : L2470744-15,32,,RR,kmh
Misc : WG2006821,WG2005370,ical21676
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 13:09:04 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv1209b.D•

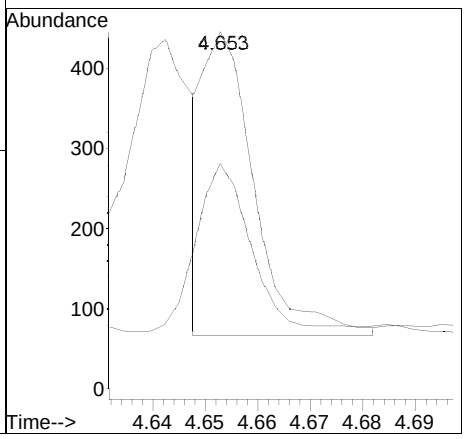




#25
Pentachlorophenol
Concen: 14.44 ng/ml M3
RT: 4.653 min Scan# 966
Delta R.T. 0.001 min
Lab File: 70744-15.D
Acq: 09 Dec 2024 10:58 am

Tgt Ion:266 Resp: 259

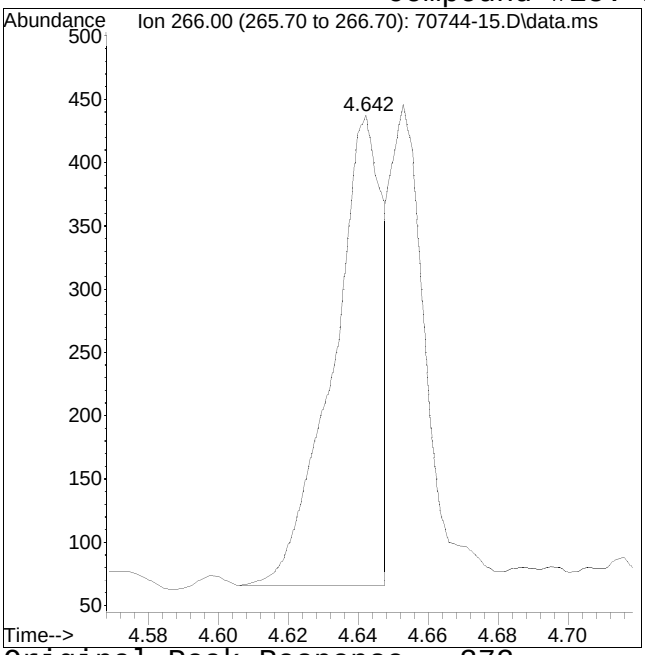
Ion	Ratio	Lower	Upper
266	100		
264	58.7	50.6	76.0

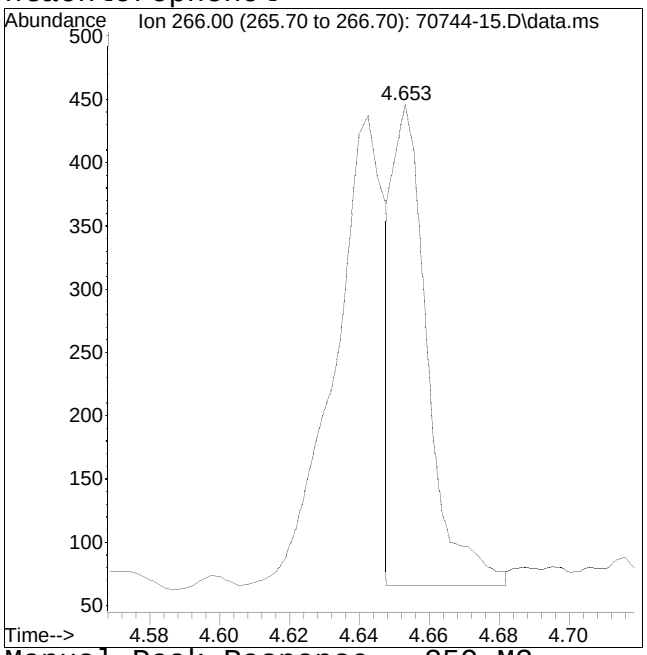


Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-15.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 10:58 am Instrument : SV125
Sample : L2470744-15,32,,RR,kmh Quant Date : 12/9/2024 11:13 am

Compound #25: Pentachlorophenol





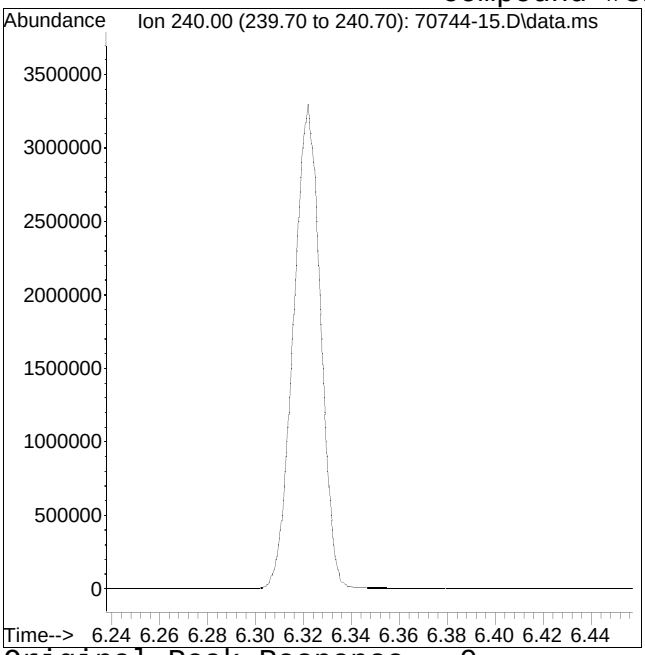
Original Peak Response = 372 Manual Peak Response = 259 M3

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.

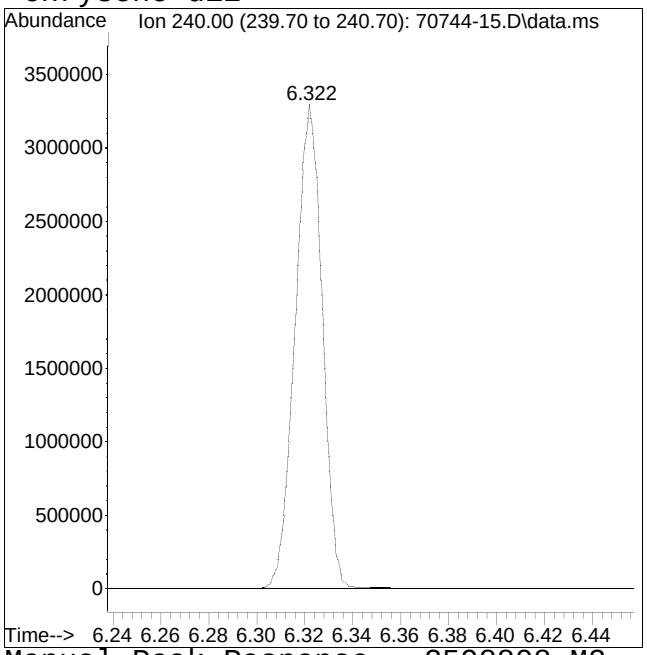
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-15.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 10:58 am Instrument : SV125
Sample : L2470744-15,32,,RR,kmh Quant Date : 12/9/2024 11:13 am

Compound #31: Chrysene-d12



Original Peak Response = 0



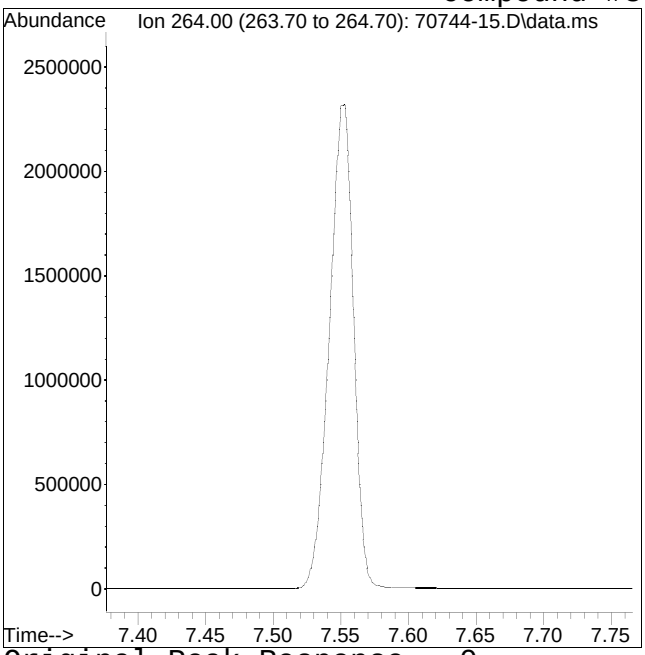
Manual Peak Response = 2598808 M2

M2 = Peak not found by automatic integration algorithm.

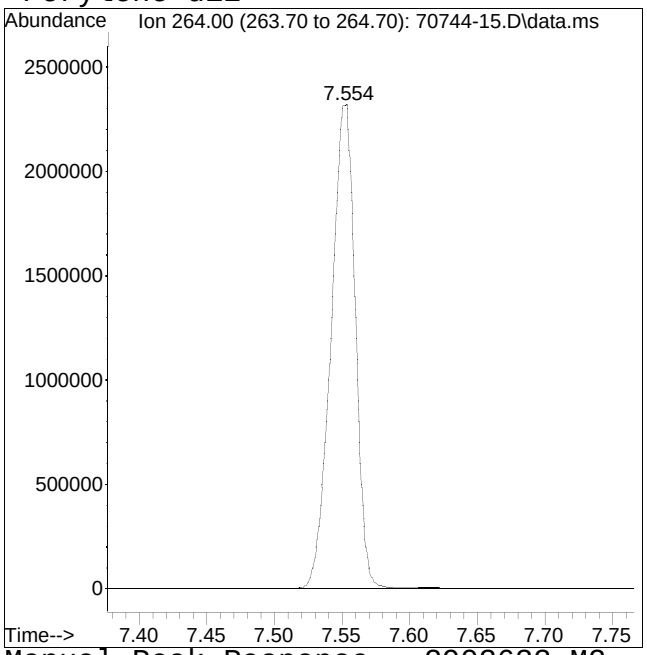
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 70744-15.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 10:58 am Instrument : SV125
Sample : L2470744-15,32,,RR,kmh Quant Date : 12/9/2024 11:13 am

Compound #36: Perylene-d12



Original Peak Response = 0



Manual Peak Response = 2903633 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241210RVT\
Data File : 70744-10.D
Acq On : 10 Dec 2024 07:11 am
Operator : SV118:kmh
Sample : L2470744-10,32,,kmh
Misc : WG2007182,WG2006681,ical21646
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 10 08:11:37 2024
Quant Method : I:\8270sim\SV118\241210RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 10 06:30:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\241210RVT\ccv1210.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.224	152	387601	4000.000	ng/ml	0.00
Standard Area 1 = 429278			Recovery = 90.29%			
8) Naphthalene-d8	2.893	136	1420410	4000.000	ng/ml	0.00
Standard Area 1 = 1519752			Recovery = 93.46%			
17) Acenaphthene-d10	3.871	164	801836	4000.000	ng/ml	0.00
Standard Area 1 = 864221			Recovery = 92.78%			
22) Phenanthrene-d10	4.711	188	1613368	4000.000	ng/ml	# 0.00
Standard Area 1 = 1771774			Recovery = 91.06%			
31) Chrysene-d12	6.294	240	1600486M3	4000.000	ng/ml	0.04
Standard Area 1 = 1693454			Recovery = 94.51%			
36) Perylene-d12	7.498	264	1610748M3	4000.000	ng/ml	0.04
Standard Area 1 = 1654379			Recovery = 97.36%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.643	112	123136	1123.640	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.18%			
3) Phenol-d6	2.040	99	103464	768.335	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 38.42%			
7) Nitrobenzene-d5	2.506	82	91599	1053.607	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 105.36%			
13) 2-Fluorobiphenyl	3.490	172	255267	934.656	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 93.47%			
21) 2,4,6-Tribromophenol	4.316	330	73118	1978.950	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 98.95%			
30) 4-Terphenyl-d14	5.642	244	340473	1031.403	ng/ml	0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 103.14%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D. d
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D. d
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\SV118\241210RVT\
Data File : 70744-10.D
Acq On : 10 Dec 2024 07:11 am
Operator : SV118:kmh
Sample : L2470744-10,32,,kmh
Misc : WG2007182,WG2006681,ical21646
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 10 08:11:37 2024
Quant Method : I:\8270sim\SV118\241210RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 10 06:30:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\241210RVT\ccv1210.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

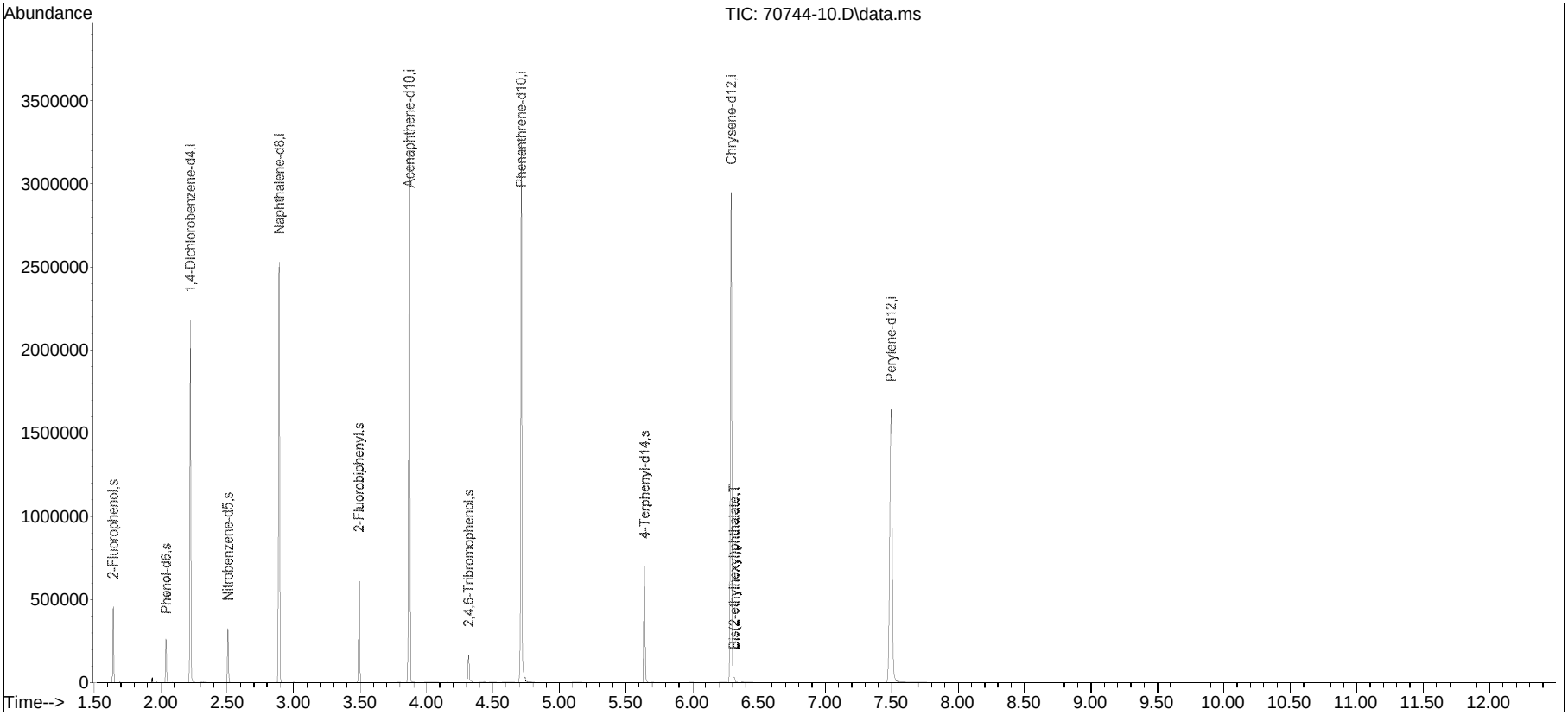
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241210RVT\
Data File : 70744-10.D
Acq On : 10 Dec 2024 07:11 am
Operator : SV118:kmh
Sample : L2470744-10,32,,kmh
Misc : WG2007182,WG2006681,ical21646
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 10 08:11:37 2024
Quant Method : I:\8270sim\SV118\241210RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 10 06:30:16 2024
Response via : Initial Calibration

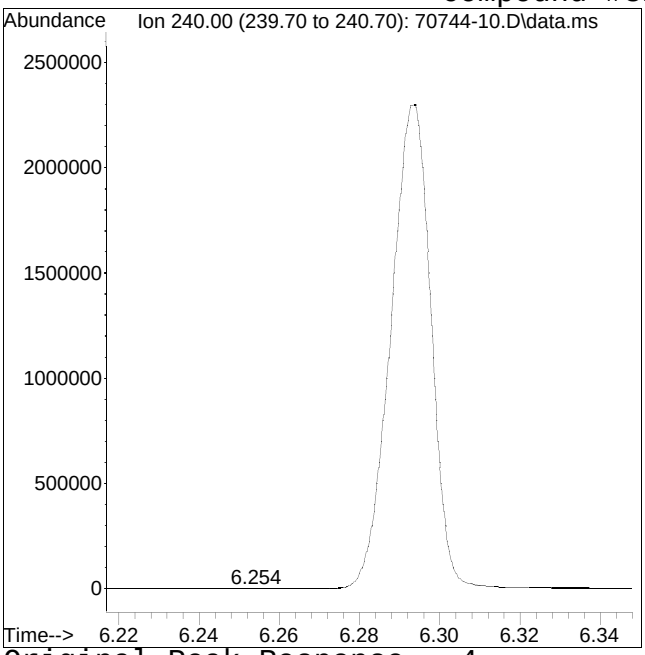
Sub List : DEFAULT - All compounds listed\ccv1210.D•

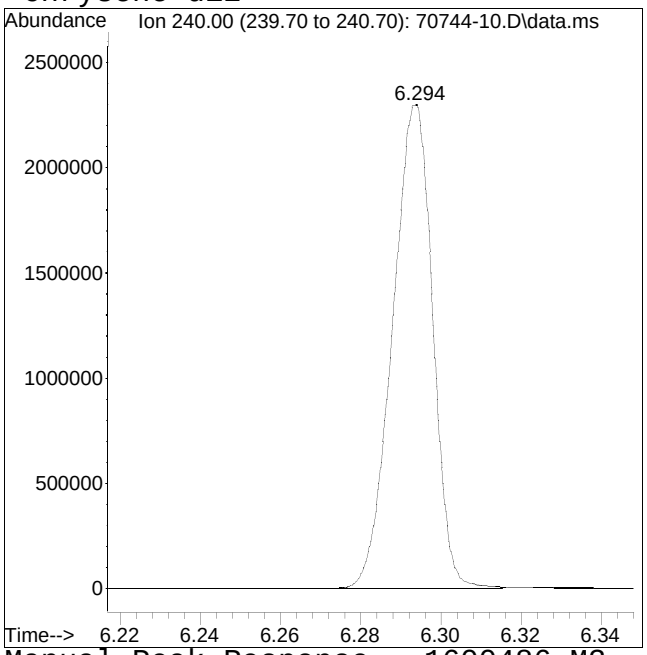


Manual Integration Report

Data Path : I:\8270SIM\SV118\241210RVTQMethod : SIM-RVT_241025sv118.M
Data File : 70744-10.D Operator : SV118:kmh
Date Inj'd : 12/10/2024 7:11 am Instrument : SV118
Sample : L2470744-10,32,,kmh Quant Date : 12/10/2024 7:24 am

Compound #31: Chrysene-d12



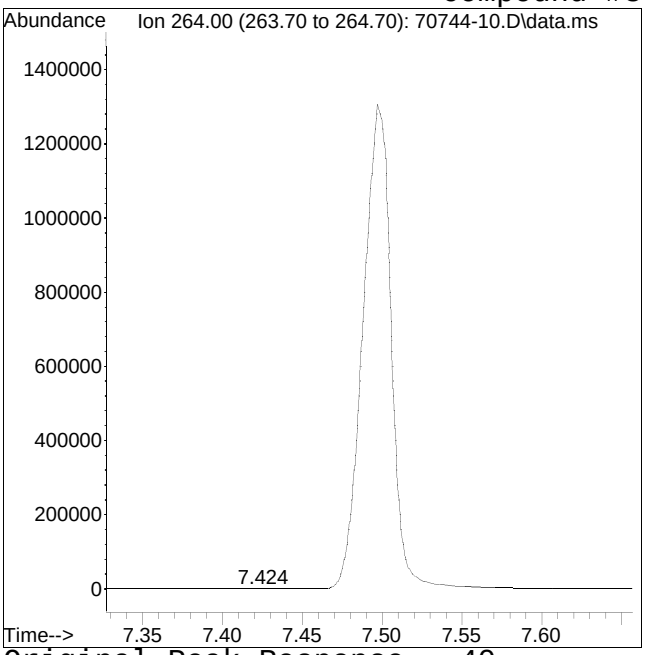


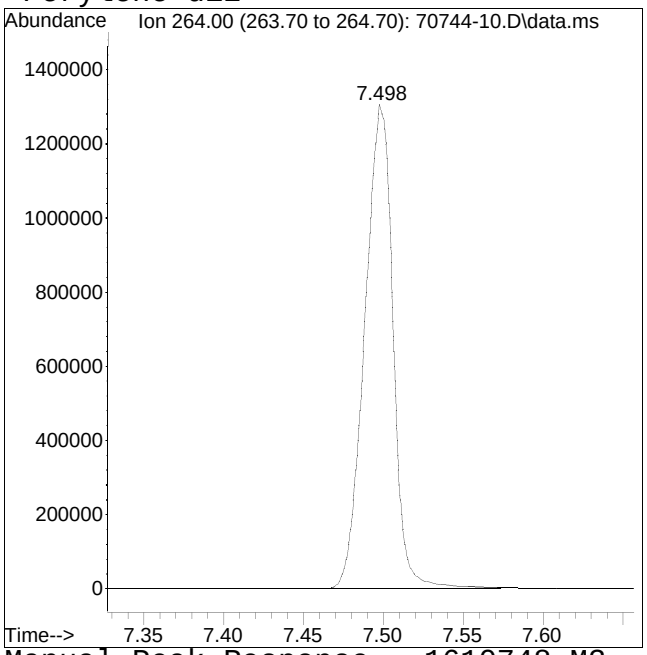
Original Peak Response = 4 Manual Peak Response = 1600486 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\241210RVTQMethod : SIM-RVT_241025sv118.M
Data File : 70744-10.D Operator : SV118:kmh
Date Inj'd : 12/10/2024 7:11 am Instrument : SV118
Sample : L2470744-10,32,,kmh Quant Date : 12/10/2024 7:24 am

Compound #36: Perylene-d12





Original Peak Response = 40 Manual Peak Response = 1610748 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.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2470744**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV118**	**Ical Ref**	**: ICAL21646**
Calibration dates	**: 10/25/24 16:43 10/25/24 19:21**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol	1.270	1.175	1.089	1.059	1.064	1.312	1.096	1.108	1.085	1.052	1.131	8.10
3)	s	Phenol-d6		1.509	1.330	1.309	1.306	1.633	1.358	1.381	1.355	1.327	1.390	7.92
4)	T	bis(2-Chloroethyl)ether			1.283	1.212	1.202	1.983	1.201	1.208	1.190	1.160	*L	0.9949
5)	T	n-Nitrosodi-n-propylamine		0.972	0.846	0.805	0.780	1.008	0.848	0.875	0.885	0.891	0.879	8.34
6)	t	Hexachloroethane			0.513	0.478	0.470	0.588	0.493	0.501	0.493	0.479	0.502	7.46
7)	s	Nitrobenzene-d5	0.895	0.866	0.811	0.822	0.829	1.066	0.900	0.941	0.936	0.906	0.897	8.38
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene		1.112	1.089	1.043	1.006	1.243	1.015	1.023	0.994	0.952	1.053	8.18
10)	t	Hexachlorobutadiene				0.182	0.182	0.223	0.183	0.184	0.183	0.172	0.187	8.78
11)	t	2-Methylnaphthalene		0.712	0.668	0.642	0.636	0.795	0.663	0.669	0.655	0.631	0.674	7.59
12)	t	1-Methylnaphthalene		0.676	0.623	0.584	0.595	0.742	0.612	0.618	0.605	0.593	0.627	8.09
13)	s	2-Fluorobiphenyl	0.820	0.810	0.754	0.727	0.724	0.907	0.751	0.749	0.736	0.711	0.769	7.81
14)	t	2-Chloronaphthalene		0.710	0.674	0.633	0.636	0.799	0.667	0.673	0.657	0.643	0.677	7.62
15)	t	2,6-Dinitrotoluene			0.097	0.085	0.066	0.088	0.087	0.097	0.104	0.110	0.092	14.66
16)	t	Acenaphthylene		1.017	0.952	0.900	0.919	1.177	1.010	1.024	1.011	1.008	1.002	7.98
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene		1.383	1.336	1.259	1.239	1.560	1.270	1.270	1.254	1.197	1.308	8.35
19)	t	2,4-Dinitrotoluene					0.137	0.195	0.207	0.231	0.252	0.260	*L	0.9978
20)	t	Fluorene		1.480	1.339	1.304	1.309	1.672	1.395	1.388	1.355	1.297	1.393	8.56
21)	s	2,4,6-Tribromophenol			0.170	0.154	0.158	0.212	0.190	0.195	0.200	0.195	0.184	11.47
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol					0.028	0.041	0.042	0.047	0.051	0.053	*L	0.9972
24)	t	Hexachlorobenzene		0.291	0.258	0.254	0.248	0.316	0.259	0.259	0.253	0.234	0.263	9.34
25)	t	Pentachlorophenol				0.078	0.084	0.084	0.090	0.110	0.121	0.120	0.098	18.74
26)	t	Phenanthrene		1.200	1.109	1.049	1.039	1.303	1.054	1.045	1.020	0.953	1.086	9.71
27)	t	Anthracene		1.104	1.056	0.993	1.002	1.277	1.063	1.064	1.043	0.989	1.066	8.28
28)	t	Fluoranthene		1.303	1.185	1.128	1.144	1.474	1.235	1.200	1.147	1.123	1.216	9.30
29)	t	Pyrene		1.402	1.265	1.195	1.197	1.544	1.325	1.274	1.226	1.193	1.291	9.08
30)	s	4-Terphenyl-d14	0.927	0.861	0.807	0.746	0.766	0.981	0.824	0.790	0.755	0.727	0.818	10.09
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene			0.545	0.411	0.334	0.421	0.357	0.358	0.361	0.346	0.392	17.63
33)	t	3,3'-Dichlorobenzidine			0.322	0.318	0.340	0.476	0.447	0.472	0.485	0.480	0.418	18.25
34)	t	Chrysene		1.165	1.253	1.131	1.163	1.469	1.221	1.193	1.171	1.094	1.207	9.00
35)	T	bis(2-Ethylhexyl)phthalate				0.711	0.493	0.692	0.687	0.739	0.785	0.763	0.696	13.85
36)	i	Perylene-d12	ISTD											

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2470744**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV118**	**Ical Ref**	**: ICAL21646**
Calibration dates	**: 10/25/24 16:43 10/25/24 19:21**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) t	Benzo[b]fluoranthene		1.012	0.957	0.895	0.910	1.232	1.094	1.066	1.094	1.022	1.031	10.19
38) t	Benzo[k]fluoranthene		1.071	0.999	0.951	1.016	1.335	1.130	1.150	1.132	1.059	1.093	10.30
39) t	Benzo[a]pyrene		0.825	0.796	0.772	0.801	1.088	0.973	0.978	1.000	0.968	0.911	12.45
40) t	Indeno[1,2,3-cd]pyrene		0.686	0.687	0.678	0.696	0.986	0.934	0.961	0.981	1.036	0.849	18.43
41) t	Dibenzo[a,h]anthracene			0.657	0.656	0.728	1.048	0.937	0.944	0.962	0.983	0.865	18.23
42) t	Benzo[g,h,i]perylene		0.784	0.781	0.753	0.795	1.061	0.938	0.942	0.958	1.003	0.890	12.72

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2470744**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV120**	**Ical Ref**	**: ICAL21668**
Calibration dates	**: 11/05/24 07:30 11/05/24 09:57**		

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD	
1)	i	1,4-Dichlorobenzene-d4	ISTD												
2)	s	2-Fluorophenol	1.181	1.270	1.198	1.168	1.150	1.414	1.190	1.156	1.049	0.996	1.177	9.65	
3)	s	Phenol-d6	1.421	1.476	1.368	1.383	1.366	1.703	1.420	1.437	1.475	1.418	1.447	6.78	
4)	T	bis(2-Chloroethyl)ether				1.180	1.209	2.019	1.197	1.185	1.180	1.103		*Q	0.9949
5)	T	n-Nitrosodi-n-propylamine			0.854	0.813	0.816	1.027	0.852	0.871	0.891	0.856	0.873	7.74	
6)	t	Hexachloroethane			0.519	0.505	0.501	0.629	0.518	0.518	0.510	0.489	0.524	8.39	
7)	s	Nitrobenzene-d5		1.243	1.235	1.219	1.224	1.533	1.264	1.279	1.280	1.217	1.277	7.74	
8)	i	Naphthalene-d8	ISTD												
9)	t	Naphthalene		1.154	1.028	0.974	0.957	1.173	0.960	0.947	0.931	0.876	1.000	10.10	
10)	t	Hexachlorobutadiene		0.205	0.193	0.186	0.183	0.223	0.185	0.182	0.179	0.169	0.189	8.32	
11)	t	2-Methylnaphthalene	0.742	0.741	0.698	0.667	0.660	0.818	0.683	0.665	0.652	0.615	0.694	8.43	
12)	t	1-Methylnaphthalene	0.669	0.683	0.649	0.619	0.615	0.762	0.623	0.606	0.597	0.563	0.639	8.75	
13)	s	2-Fluorobiphenyl	0.894	0.876	0.822	0.801	0.797	0.977	0.778	0.744	0.711	0.663	0.806	11.41	
14)	t	2-Chloronaphthalene	0.738	0.750	0.700	0.668	0.667	0.819	0.662	0.644	0.636	0.607	0.689	9.21	
15)	t	2,6-Dinitrotoluene					0.130	0.170	0.150	0.152	0.156	0.178	0.156	10.83	
16)	t	Acenaphthylene	1.010	1.049	0.959	0.925	0.938	1.190	1.000	0.977	0.969	0.920	0.994	8.04	
17)	i	Acenaphthene-d10	ISTD												
18)	t	Acenaphthene	1.347	1.308	1.174	1.193	1.153	1.415	1.141	1.136	1.136	1.070	1.207	9.18	
19)	t	2,4-Dinitrotoluene					0.256	0.367	0.337	0.352	0.361	0.342	0.336	12.13	
20)	t	Fluorene	1.402	1.403	1.274	1.250	1.256	1.565	1.273	1.266	1.229	1.146	1.306	9.07	
21)	s	2,4,6-Tribromophenol		0.150	0.143	0.137	0.146	0.193	0.166	0.167	0.170	0.163	0.159	10.79	
22)	i	Phenanthrene-d10	ISTD												
23)	T	4,6-Dinitro-o-cresol					0.068	0.099	0.102	0.111	0.123	0.121		*L	0.9983
24)	t	Hexachlorobenzene		0.234	0.216	0.207	0.203	0.251	0.206	0.202	0.198	0.185	0.211	9.43	
25)	t	Pentachlorophenol				0.076	0.087	0.082	0.094	0.113	0.133	0.133		*Q	0.9965
26)	t	Phenanthrene	0.797	0.930	0.897	0.967	0.944	1.205	0.973	0.954	0.959	0.906	0.953	10.75	
27)	t	Anthracene	1.028	1.011	0.975	0.933	0.932	1.179	0.975	0.972	0.964	0.894	0.986	7.91	
28)	t	Fluoranthene	1.259	1.192	1.089	1.028	1.038	1.304	1.063	1.044	1.018	0.943	1.098	10.54	
29)	t	Pyrene	1.281	1.229	1.126	1.073	1.071	1.358	1.099	1.079	1.035	0.970	1.132	10.60	
30)	s	4-Terphenyl-d14		0.798	0.747	0.717	0.726	0.897	0.706	0.694	0.652	0.610	0.727	11.42	
31)	i	Chrysene-d12	ISTD												
32)	t	Benzo[a]anthracene	1.294	0.717	0.357	0.229	0.142	0.152	0.126	0.121	0.126	0.120		*L	0.9993
33)	t	3,3'-Dichlorobenzidine					0.345	0.479	0.427	0.443	0.462	0.437	0.432	10.74	
34)	t	Chrysene	0.685	0.988	0.996	1.070	1.064	1.415	1.128	1.138	1.086	1.020	1.059	16.93	
35)	T	bis(2-Ethylhexyl)phthalate					0.540	0.722	0.670	0.719	0.806	0.789	0.708	13.59	
36)	i	Perylene-d12	ISTD												

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2470744**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV120**	**Ical Ref**	**: ICAL21668**
Calibration dates	**: 11/05/24 07:30 11/05/24 09:57**		

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) t	Benzo[b]fluoranthene	1.252	1.299	1.184	1.114	1.162	1.380	1.210	1.168	1.203	1.165	1.214	6.42
38) t	Benzo[k]fluoranthene	1.121	1.055	1.039	1.002	0.950	1.351	1.152	1.129	1.123	0.990	1.091	10.44
39) t	Benzo[a]pyrene	0.971	0.979	0.914	0.884	0.897	1.184	1.039	1.022	1.055	0.995	0.994	8.96
40) t	Indeno[1,2,3-cd]pyrene	0.987	1.003	0.945	0.921	0.931	1.205	1.059	1.033	1.046	1.036	1.017	8.15
41) t	Dibenzo[a,h]anthracene	0.936	0.951	0.893	0.882	0.912	1.198	0.992	0.963	0.922	0.900	0.955	9.59
42) t	Benzo[g,h,i]perylene	0.998	0.996	0.941	0.929	0.931	1.196	1.007	0.990	0.959	0.924	0.987	8.11

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2470744**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV125**	**Ical Ref**	**: ICAL21676**
Calibration dates	**: 11/05/24 11:10 11/05/24 13:36**		

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD	
1)	i	1,4-Dichlorobenzene-d4	----------ISTD----------												
2)	s	2-Fluorophenol		1.171	1.079	1.033	1.039	1.272	1.059	1.047	1.013	0.960	1.075	8.64	
3)	s	Phenol-d6		1.708	1.432	1.229	1.242	1.546	1.278	1.301	1.272	1.234	1.360	12.35	
4)	T	bis(2-Chloroethyl)ether				1.155	1.133	1.826	1.149	1.054	1.084	1.022		*Q	0.9951
5)	T	n-Nitrosodi-n-propylamine			0.761	0.701	0.714	0.902	0.757	0.802	0.793	0.767	0.775	8.00	
6)	t	Hexachloroethane			0.504	0.517	0.486	0.600	0.488	0.488	0.481	0.458	0.503	8.54	
7)	s	Nitrobenzene-d5		1.100	1.092	1.096	1.092	1.402	1.156	1.192	1.164	1.128	1.158	8.49	
8)	i	Naphthalene-d8	----------ISTD----------												
9)	t	Naphthalene		1.272	1.069	1.068	1.040	1.284	1.023	1.035	0.980	0.895	1.074	11.86	
10)	t	Hexachlorobutadiene			0.226	0.214	0.216	0.266	0.214	0.215	0.210	0.197	0.220	9.35	
11)	t	2-Methylnaphthalene	0.777	0.747	0.717	0.691	0.705	0.871	0.697	0.715	0.683	0.638	0.724	8.78	
12)	t	1-Methylnaphthalene	0.741	0.717	0.654	0.656	0.657	0.804	0.648	0.661	0.633	0.595	0.677	8.94	
13)	s	2-Fluorobiphenyl		0.939	0.900	0.890	0.883	1.091	0.857	0.869	0.819	0.760	0.890	10.24	
14)	t	2-Chloronaphthalene		0.800	0.758	0.726	0.737	0.923	0.734	0.753	0.717	0.677	0.758	9.23	
15)	t	2,6-Dinitrotoluene					0.138	0.183	0.167	0.184	0.184	0.183	0.173	10.65	
16)	t	Acenaphthylene	1.122	1.085	1.013	0.982	1.001	1.283	1.076	1.124	1.078	1.001	1.076	8.28	
17)	i	Acenaphthene-d10	----------ISTD----------												
18)	t	Acenaphthene	1.423	1.406	1.284	1.233	1.244	1.541	1.237	1.229	1.200	1.096	1.289	10.07	
19)	t	2,4-Dinitrotoluene					0.270	0.395	0.381	0.401	0.409	0.402	0.376	14.12	
20)	t	Fluorene	1.601	1.513	1.385	1.382	1.343	1.696	1.397	1.381	1.322	1.214	1.423	9.94	
21)	s	2,4,6-Tribromophenol		0.191	0.167	0.168	0.184	0.262	0.238	0.246	0.251	0.246	0.217	17.86	
22)	i	Phenanthrene-d10	----------ISTD----------												
23)	T	4,6-Dinitro-o-cresol					0.064	0.101	0.106	0.123	0.128	0.126		*L	0.9990
24)	t	Hexachlorobenzene		0.289	0.252	0.245	0.251	0.311	0.250	0.250	0.240	0.221	0.256	10.48	
25)	t	Pentachlorophenol				0.037	0.057	0.077	0.103	0.134	0.154			*Q	0.9973
26)	t	Phenanthrene	1.231	1.248	1.107	1.110	1.054	1.333	1.058	1.055	0.989	0.869	1.105	12.24	
27)	t	Anthracene	1.193	1.129	1.055	0.962	1.005	1.277	1.056	1.073	1.009	0.884	1.064	10.67	
28)	t	Fluoranthene	1.489	1.364	1.244	1.164	1.189	1.535	1.258	1.253	1.171	1.029	1.270	12.14	
29)	t	Pyrene	1.686	1.439	1.291	1.221	1.231	1.586	1.325	1.322	1.228	1.090	1.342	13.46	
30)	s	4-Terphenyl-d14	1.150	1.028	0.897	0.846	0.864	1.101	0.888	0.881	0.819	0.749	0.922	13.91	
31)	i	Chrysene-d12	----------ISTD----------												
32)	t	Benzo[a]anthracene	1.366	0.746	0.380	0.235	0.144	0.157	0.127	0.127	0.125	0.116		*L	0.9982
33)	t	3,3'-Dichlorobenzidine					0.348	0.479	0.439	0.485	0.480	0.460	0.448	11.61	
34)	t	Chrysene	0.886	0.993	1.006	1.148	1.182	1.489	1.241	1.215	1.144	1.018	1.132	14.96	
35)	T	bis(2-Ethylhexyl)phthalate					0.487	0.643	0.625	0.688	0.740	0.704	0.648	13.76	
36)	i	Perylene-d12	----------ISTD----------												

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2470744**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV125**	**Ical Ref**	**: ICAL21676**
Calibration dates	**: 11/05/24 11:10 11/05/24 13:36**		

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) t	Benzo[b]fluoranthene	1.148	1.122	1.089	0.975	1.018	1.341	1.160	1.136	1.085	1.057	1.113	8.92
38) t	Benzo[k]fluoranthene	0.995	0.924	0.940	0.969	0.932	1.245	1.054	1.059	1.090	0.963	1.017	9.71
39) t	Benzo[a]pyrene	0.973	0.847	0.828	0.796	0.816	1.090	0.958	0.984	0.996	0.944	0.923	10.42
40) t	Indeno[1,2,3-cd]pyrene	1.020	0.918	0.899	0.852	0.860	1.162	1.011	1.039	1.057	1.097	0.991	10.56
41) t	Dibenzo[a,h]anthracene	0.831	0.841	0.815	0.785	0.807	1.108	0.964	0.970	1.015	0.996	0.913	12.11
42) t	Benzo[g,h,i]perylene	1.009	0.923	0.859	0.836	0.860	1.133	0.991	0.991	1.016	1.015	0.963	9.62

Response Factor Report SV118

Method Path : I:\8270SIM\SV118\2024\241025RVTical\
Method File : SIM-RVT_241025sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 05 13:34:41 2024
Response Via : Initial Calibration

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol	1.270	1.175	1.089	1.059	1.064	1.312	1.096	1.108	1.085	1.052	1.131	8.10
3)	s	Phenol-d6		1.509	1.330	1.309	1.306	1.633	1.358	1.381	1.355	1.327	1.390	7.92
4)	T	bis(2-Chloroethyl)ether			1.283	1.212	1.202	1.983	1.201	1.208	1.190	1.160	*L	0.9949
5)	T	n-Nitrosodi-n-propylamine		0.972	0.846	0.805	0.780	1.008	0.848	0.875	0.885	0.891	0.879	8.34
6)	t	Hexachloroethane			0.513	0.478	0.470	0.588	0.493	0.501	0.493	0.479	0.502	7.46
7)	s	Nitrobenzene-d5	0.895	0.866	0.811	0.822	0.829	1.066	0.900	0.941	0.936	0.906	0.897	8.38
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene		1.112	1.089	1.043	1.006	1.243	1.015	1.023	0.994	0.952	1.053	8.18
10)	t	Hexachlorobutadiene				0.182	0.182	0.223	0.183	0.184	0.183	0.172	0.187	8.78
11)	t	2-Methylnaphthalene		0.712	0.668	0.642	0.636	0.795	0.663	0.669	0.655	0.631	0.674	7.59
12)	t	1-Methylnaphthalene		0.676	0.623	0.584	0.595	0.742	0.612	0.618	0.605	0.593	0.627	8.09
13)	s	2-Fluorobiphenyl	0.820	0.810	0.754	0.727	0.724	0.907	0.751	0.749	0.736	0.711	0.769	7.81
14)	t	2-Chloronaphthalene		0.710	0.674	0.633	0.636	0.799	0.667	0.673	0.657	0.643	0.677	7.62
15)	t	2,6-Dinitrotoluene			0.097	0.085	0.066	0.088	0.087	0.097	0.104	0.110	0.092	14.66
16)	t	Acenaphthylene		1.017	0.952	0.900	0.919	1.177	1.010	1.024	1.011	1.008	1.002	7.98
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene		1.383	1.336	1.259	1.239	1.560	1.270	1.270	1.254	1.197	1.308	8.35
19)	t	2,4-Dinitrotoluene					0.137	0.195	0.207	0.231	0.252	0.260	*L	0.9978
20)	t	Fluorene		1.480	1.339	1.304	1.309	1.672	1.395	1.388	1.355	1.297	1.393	8.56
21)	s	2,4,6-Tribromophenol			0.170	0.154	0.158	0.212	0.190	0.195	0.200	0.195	0.184	11.47
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol					0.028	0.041	0.042	0.047	0.051	0.053	*L	0.9972
24)	t	Hexachlorobenzene		0.291	0.258	0.254	0.248	0.316	0.259	0.259	0.253	0.234	0.263	9.34
25)	t	Pentachlorophenol				0.078	0.084	0.084	0.090	0.110	0.121	0.120	0.098	18.74
26)	t	Phenanthrene		1.200	1.109	1.049	1.039	1.303	1.054	1.045	1.020	0.953	1.086	9.71
27)	t	Anthracene		1.104	1.056	0.993	1.002	1.277	1.063	1.064	1.043	0.989	1.066	8.28
28)	t	Fluoranthene		1.303	1.185	1.128	1.144	1.474	1.235	1.200	1.147	1.123	1.216	9.30
29)	t	Pyrene		1.402	1.265	1.195	1.197	1.544	1.325	1.274	1.226	1.193	1.291	9.08
30)	s	4-Terphenyl-d14	0.927	0.861	0.807	0.746	0.766	0.981	0.824	0.790	0.755	0.727	0.818	10.09
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene			0.545	0.411	0.334	0.421	0.357	0.358	0.361	0.346	0.392	17.63
33)	t	3,3'-Dichlorobenzidine			0.322	0.318	0.340	0.476	0.447	0.472	0.485	0.480	0.418	18.25
34)	t	Chrysene		1.165	1.253	1.131	1.163	1.469	1.221	1.193	1.171	1.094	1.207	9.00
35)	T	bis(2-Ethylhexyl)phthalate				0.711	0.493	0.692	0.687	0.739	0.785	0.763	0.696	13.85
36)	i	Perylene-d12	ISTD											
37)	t	Benzo[b]fluora...		1.012	0.957	0.895	0.910	1.232	1.094	1.066	1.094	1.022	1.031	10.19
38)	t	Benzo[k]fluora...		1.071	0.999	0.951	1.016	1.335	1.130	1.150	1.132	1.059	1.093	10.30
39)	t	Benzo[a]pyrene		0.825	0.796	0.772	0.801	1.088	0.973	0.978	1.000	0.968	0.911	12.45
40)	t	Indeno[1,2,3-c...		0.686	0.687	0.678	0.696	0.986	0.934	0.961	0.981	1.036	0.849	18.43
41)	t	Dibenzo[a,h]anthracene			0.657	0.656	0.728	1.048	0.937	0.944	0.962	0.983	0.865	18.23
42)	t	Benzo[g,h,i]pe...		0.784	0.781	0.753	0.795	1.061	0.938	0.942	0.958	1.003	0.890	12.72

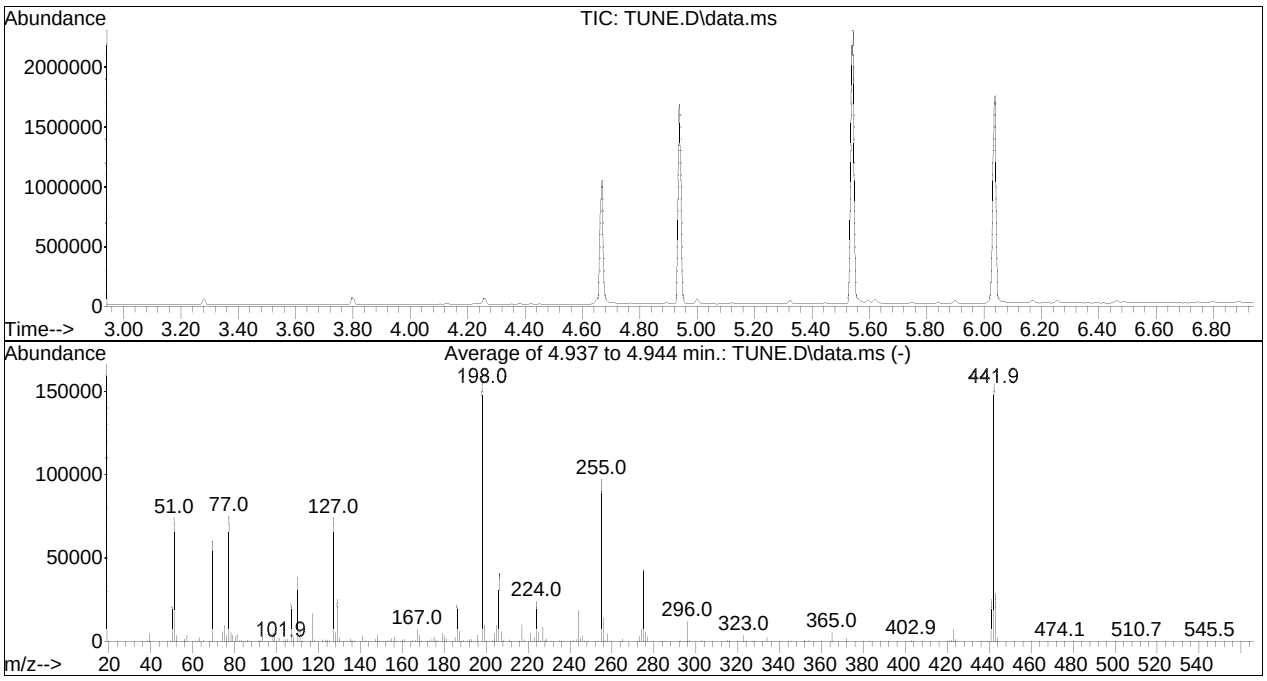
(#) = Out of Range

DFTPP

Data Path : I:\8270SIM\SV118\241025RVTical\
Data File : TUNE.D
Acq On : 25 Oct 2024 03:53 pm
Operator : SV118:dv
Sample : TUNE
Misc : WG1990947,,ical
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV118\241025RVTical\SIM-RVT_241025sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Oct 28 11:02:57 2024



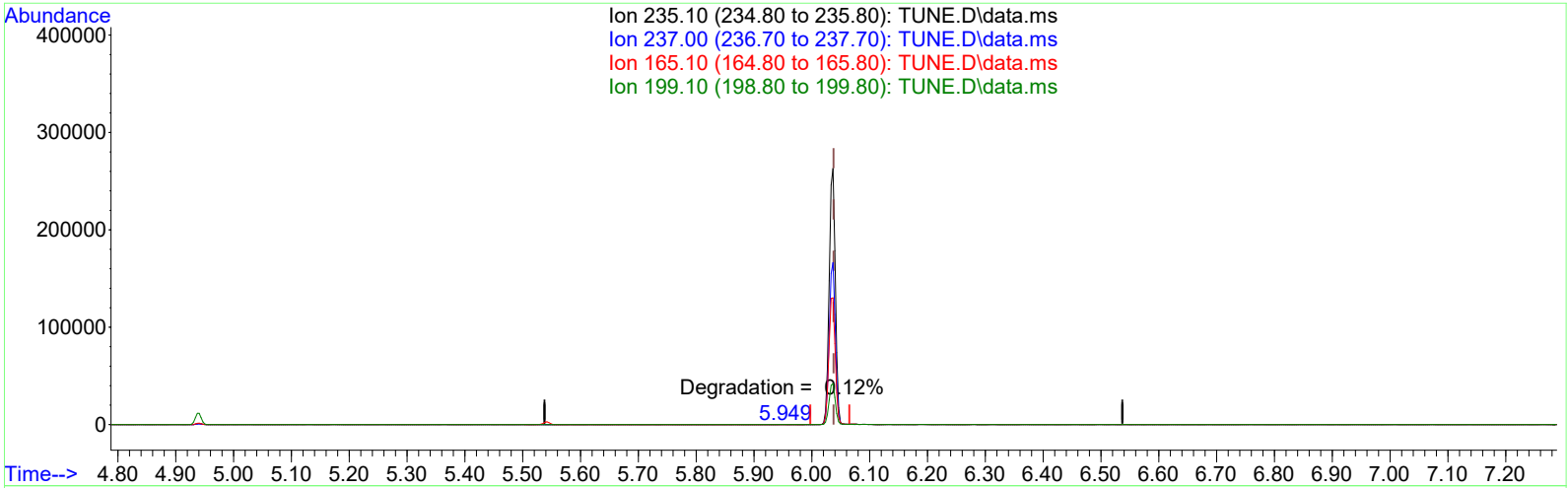
Spectrum Information: Average of 4.937 to 4.944 min.

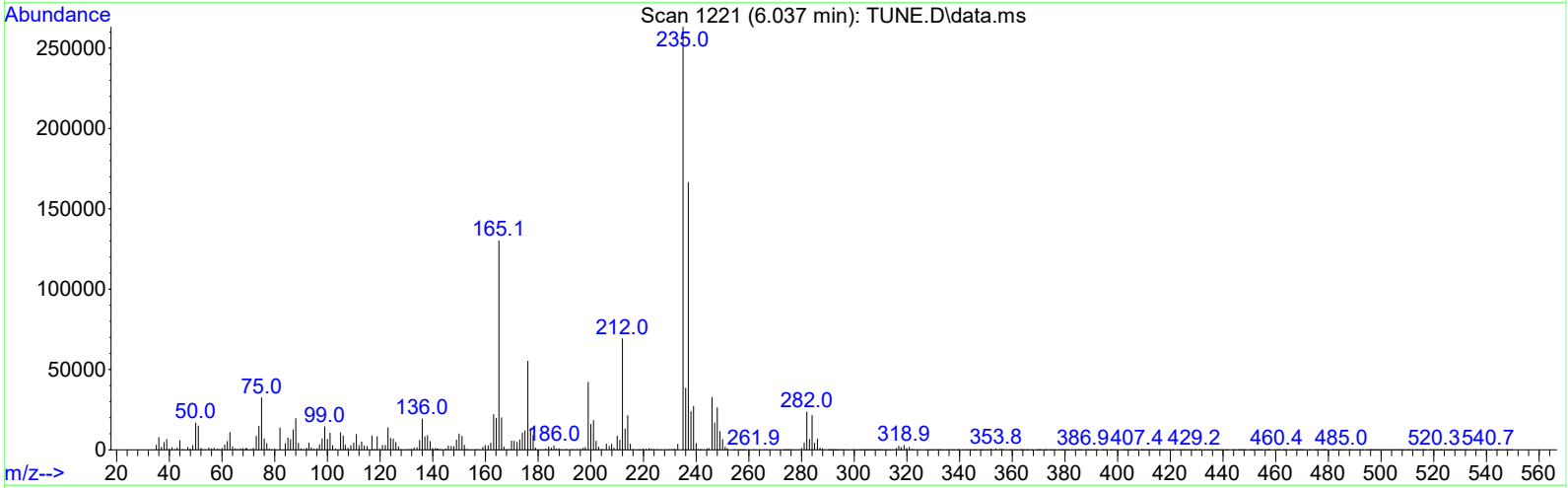
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.8	74020	PASS
68	69	0.00	2	1.4	853	PASS
69	69	100	100	100.0	59993	PASS
70	69	0.00	2	0.5	296	PASS
127	198	10	80	46.9	74182	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	158117	PASS
199	198	5	9	6.4	10110	PASS
275	198	10	60	27.3	43133	PASS
365	198	1	100	3.5	5542	PASS
441	442	0.01	24	16.3	25171	PASS
442	198	50	100	97.8	154617	PASS
443	442	15	24	18.4	28480	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\241025RVTical\
Data File : TUNE.D
Acq On : 25 Oct 2024 03:53 pm
Operator : SV118:dv
Sample : TUNE
Misc : WG1990947,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 25 16:38:42 2024
Quant Method : I:\8270SIM\SV118\241025RVTical\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 21 14:32:10 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(6) ddt (T)

6.037min (-0.001) 31.91

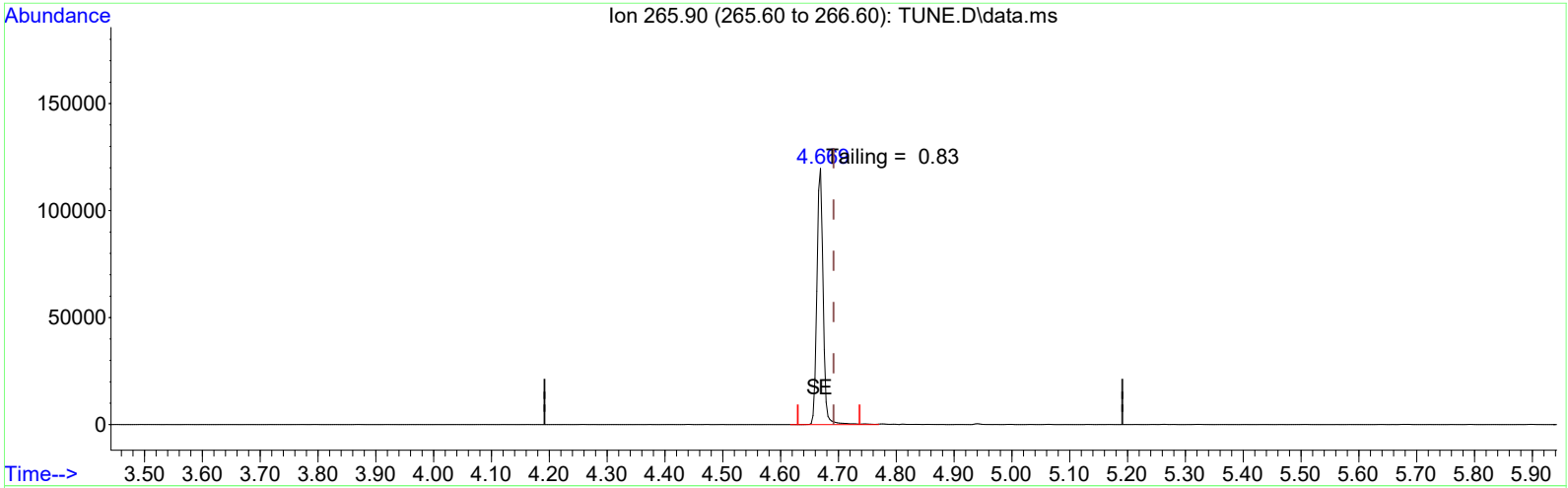
response 194534

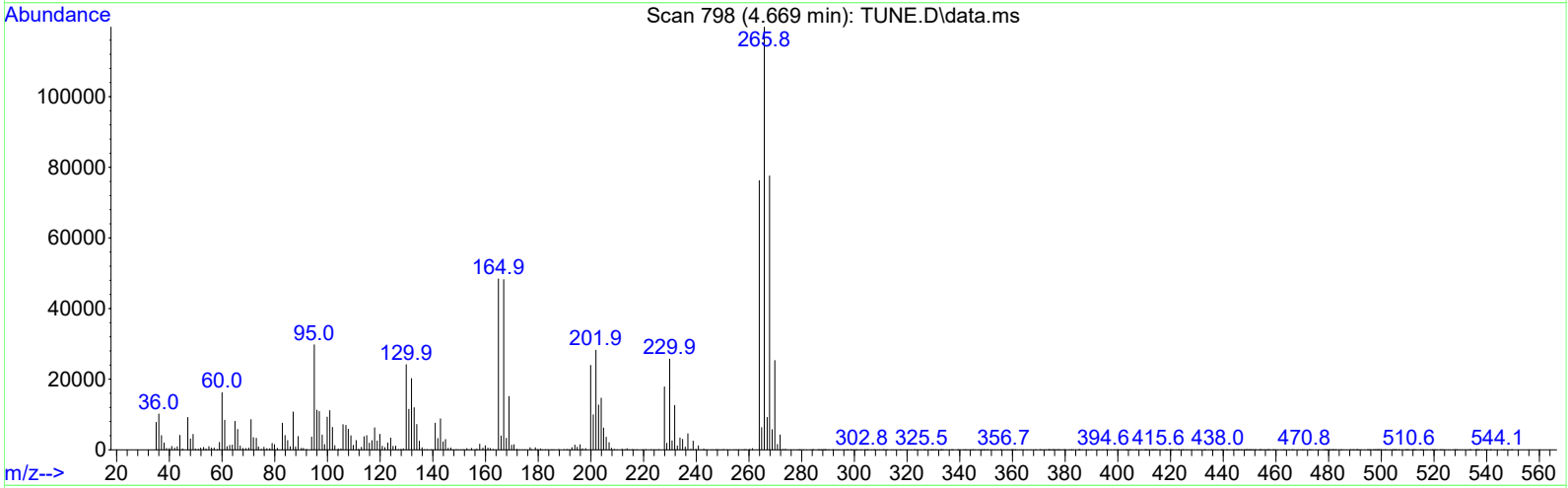
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.13
165.10	53.30	51.51
199.10	17.10	16.52

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\241025RVTical\
Data File : TUNE.D
Acq On : 25 Oct 2024 03:53 pm
Operator : SV118:dv
Sample : TUNE
Misc : WG1990947,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 25 16:38:42 2024
Quant Method : I:\8270SIM\SV118\241025RVTical\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 21 14:32:10 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(1) pentachlorophenol (T)

4.669min (-0.023) 42.64

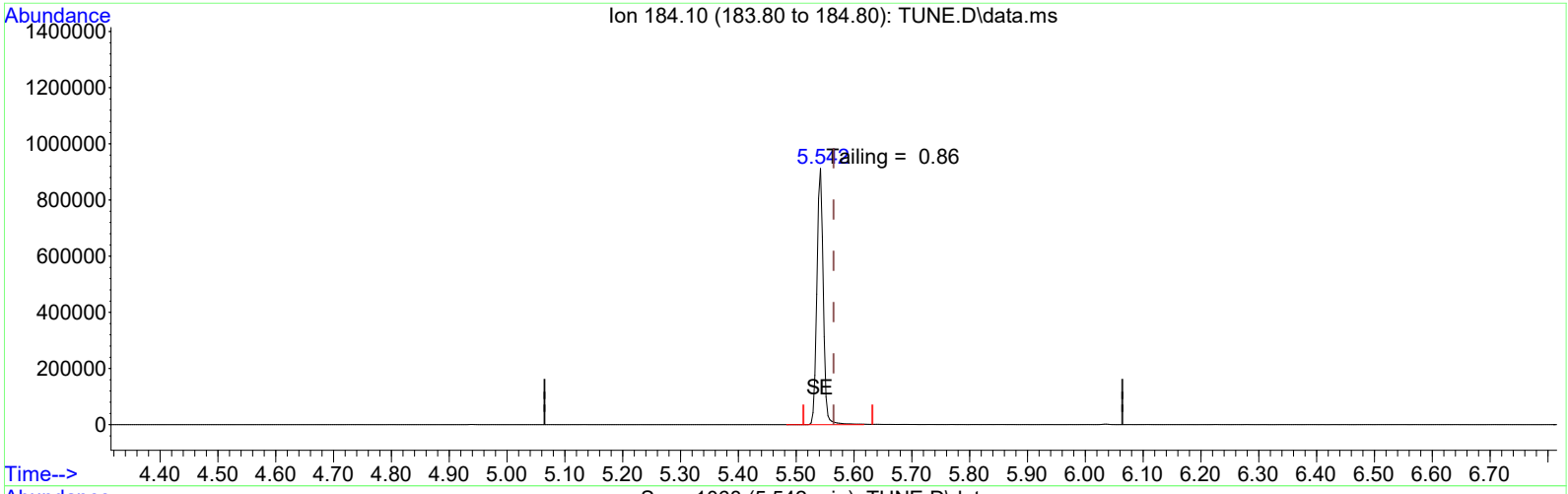
response 89553

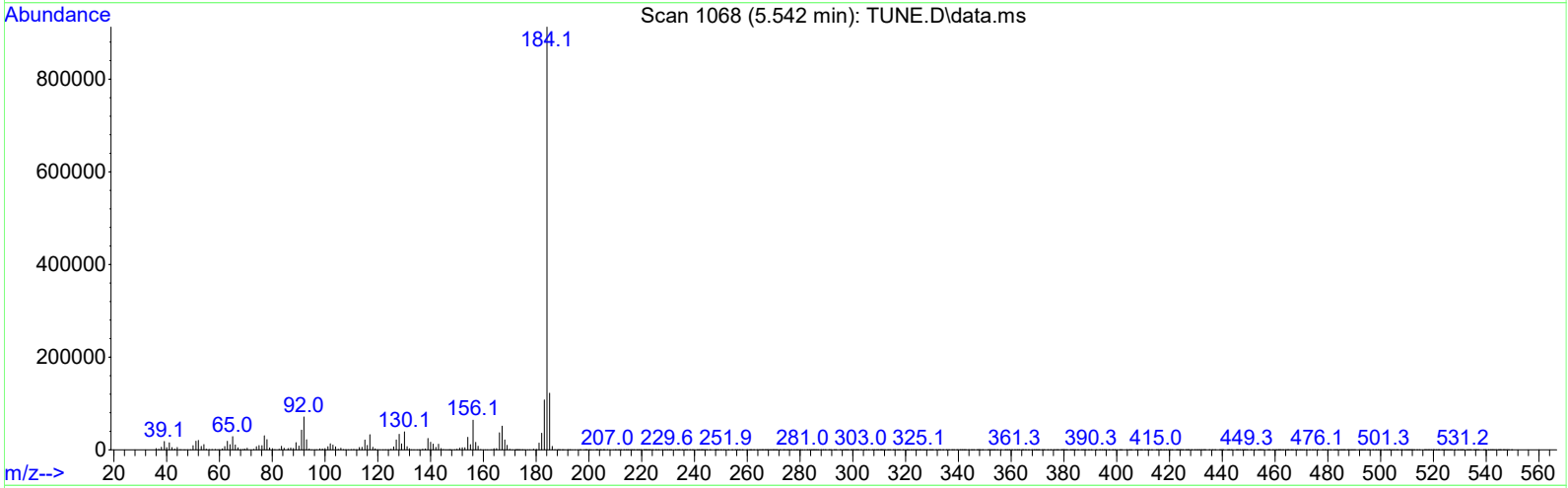
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\241025RVTical\
Data File : TUNE.D
Acq On : 25 Oct 2024 03:53 pm
Operator : SV118:dv
Sample : TUNE
Misc : WG1990947,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 25 16:38:42 2024
Quant Method : I:\8270SIM\SV118\241025RVTical\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 21 14:32:10 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(3) benzidine (T)

5.542min (-0.023) 68.94

response 701846

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 (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L10.D
Acq On : 25 Oct 2024 04:43 pm
Operator : SV118:dv
Sample : IL10,32,, #10885 5000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 11:31:59 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.262	152	273610	4000.000	ng/ml	-0.02
Standard Area 1 = 429824			Recovery = 63.66%			
8) Naphthalene-d8	2.931	136	1052589	4000.000	ng/ml	-0.02
Standard Area 1 = 1574353			Recovery = 66.86%			
17) Acenaphthene-d10	3.909	164	607344	4000.000	ng/ml	-0.01
Standard Area 1 = 863987			Recovery = 70.30%			
22) Phenanthrene-d10	4.740	188	1279022	4000.000	ng/ml	#-0.01
Standard Area 1 = 1755380			Recovery = 72.86%			
31) Chrysene-d12	6.295	240	1289394	4000.000	ng/ml	0.02
Standard Area 1 = 1692718			Recovery = 76.17%			
36) Perylene-d12	7.502	264	1486855	4000.000	ng/ml	0.02
Standard Area 1 = 1795203			Recovery = 82.82%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.662	112	359695	4649.748	ng/ml	-0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 232.49%#			
3) Phenol-d6	2.068	99	453927	4775.295	ng/ml	-0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 238.76%#			
7) Nitrobenzene-d5	2.546	82	309967	5050.754	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 505.08%#			
13) 2-Fluorobiphenyl	3.530	172	936039	4624.936	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 462.49%#			
21) 2,4,6-Tribromophenol	4.351	330	148240	5296.959	ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 264.85%#			
30) 4-Terphenyl-d14	5.653	244	1162453M3	4441.981	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 444.20%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.126	93	396660	4902.845	ng/ml	97
5) n-nitrosodi-n-propylamine	2.467	70	304708	5068.438	ng/ml	97
6) Hexachloroethane	2.526	117	163904	4774.624	ng/ml	86
9) Naphthalene	2.942	128	1252671	4520.926	ng/ml	100
10) Hexachlorobutadiene	3.017	225	226740	4610.515	ng/ml	99
11) 2-Methylnaphthalene	3.322	142	830608	4680.100	ng/ml	98
12) 1-Methylnaphthalene	3.380	142	779655	4721.990	ng/ml	99
14) 2-Chloronaphthalene	3.595	162	845821	4748.437	ng/ml#	87
15) 2,6-Dinitrotoluene	3.789	165	144391	5989.056	ng/ml#	85
16) Acenaphthylene	3.829	152	1326492	5030.460	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L10.D
Acq On : 25 Oct 2024 04:43 pm
Operator : SV118:dv
Sample : IL10,32,, #10885 5000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 11:31:59 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.927	153	908785	4577.210	ng/ml	100
19) 2,4-Dinitrotoluene	4.015	165	197353	5129.873	ng/ml#	79
20) Fluorene	4.212	166	984580	4654.639	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.244	198	84971	5161.084	ng/ml#	64
24) Hexachlorobenzene	4.529	284	374496	4447.260	ng/ml	97
25) Pentachlorophenol	4.635	266	191786	6123.032	ng/ml	100
26) Phenanthrene	4.754	178	1524263	4389.983	ng/ml	100
27) Anthracene	4.781	178	1581006	4639.834	ng/ml	100
28) Fluoranthene	5.429	202	1795438M3	4619.460	ng/ml	
29) Pyrene	5.560	202	1907331	4619.662	ng/ml	99
32) Benzo[a]anthracene	6.286	226	558274	4421.159	ng/ml#	93
33) 3,3'-Dichlorobenzidine	6.270	252	773195	5744.314	ng/ml	99
34) Chrysene	6.313	228	1764051	4535.310	ng/ml#	98
35) Bis(2-ethylhexyl)phtha...	6.309	149	1229993	5483.741	ng/ml	95
37) Benzo[b]fluoranthene	7.131	252	1898726	4953.184	ng/ml	99
38) Benzo[k]fluoranthene	7.157	252	1967616	4841.143	ng/ml	99
39) Benzo[a]pyrene	7.442	252	1799597	5313.795	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.732	276	1925639	6099.008	ng/ml#	87
41) Dibenzo[a,h]anthracene	8.765	278	1827885M6	5687.269	ng/ml	
42) Benzo[g,h,i]perylene	9.077	276	1864958	5634.775	ng/ml#	85

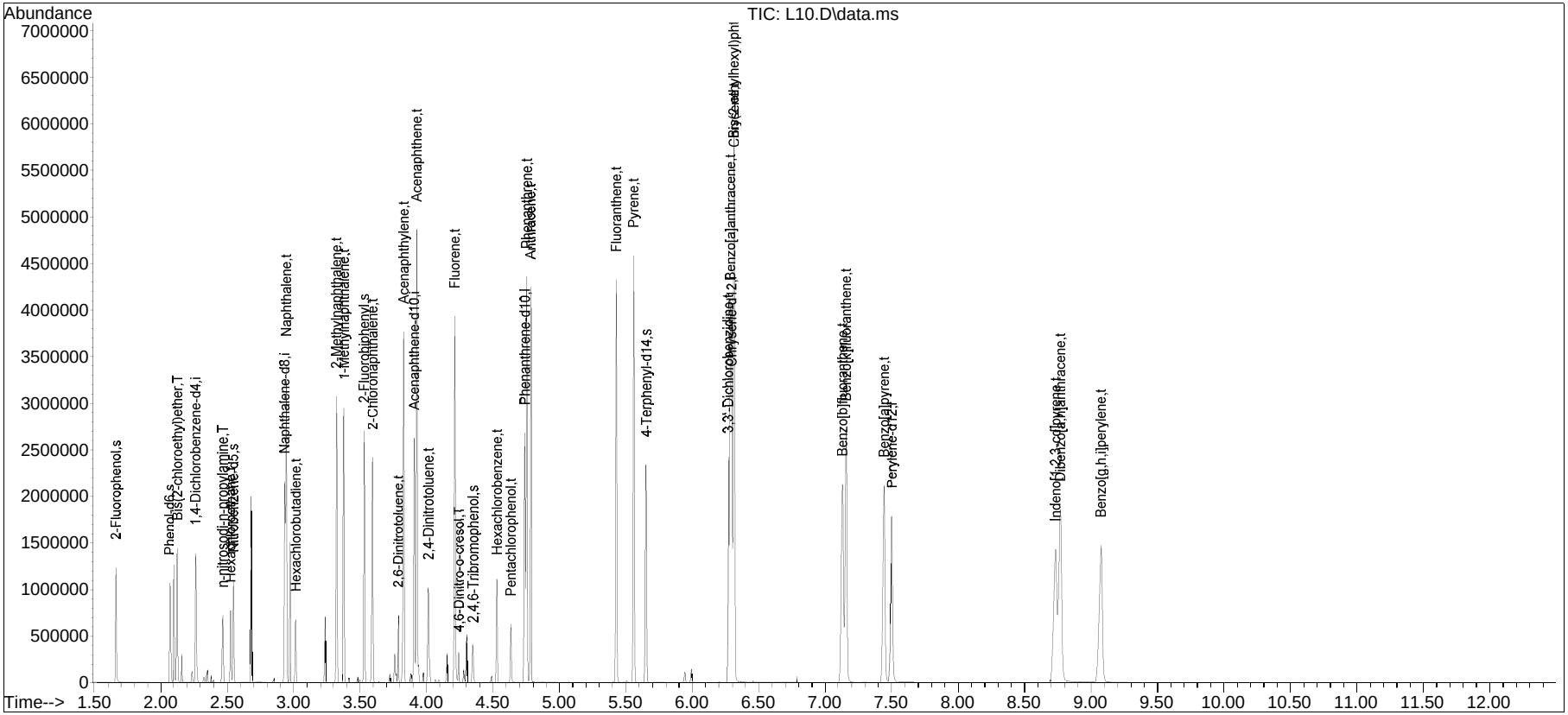
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L10.D
Acq On : 25 Oct 2024 04:43 pm
Operator : SV118:dv
Sample : IL10,32,, #10885 5000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 04 11:31:59 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:31 2024
Response via : Initial Calibration

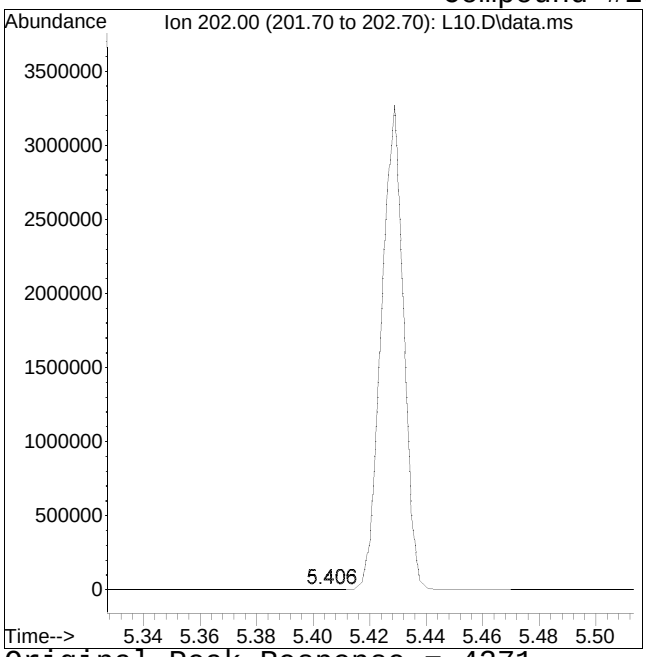
Sub List : Default - All compounds listedical\L8.D•

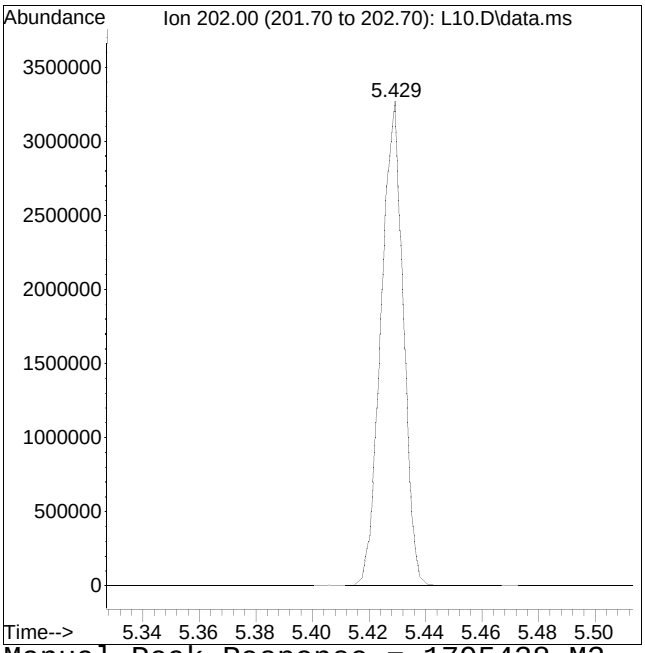


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L10.D Operator : SV118:dv
Date Inj'd : 10/25/2024 4:43 pm Instrument : SV118
Sample : IL10,32,, #10885 5000 ng/mQuant Date : 12/4/2024 11:33 am

Compound #28: Fluoranthene



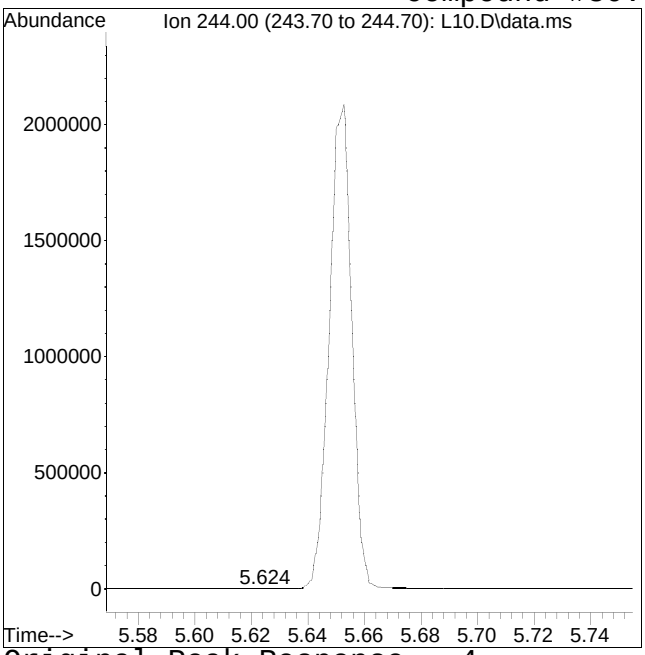


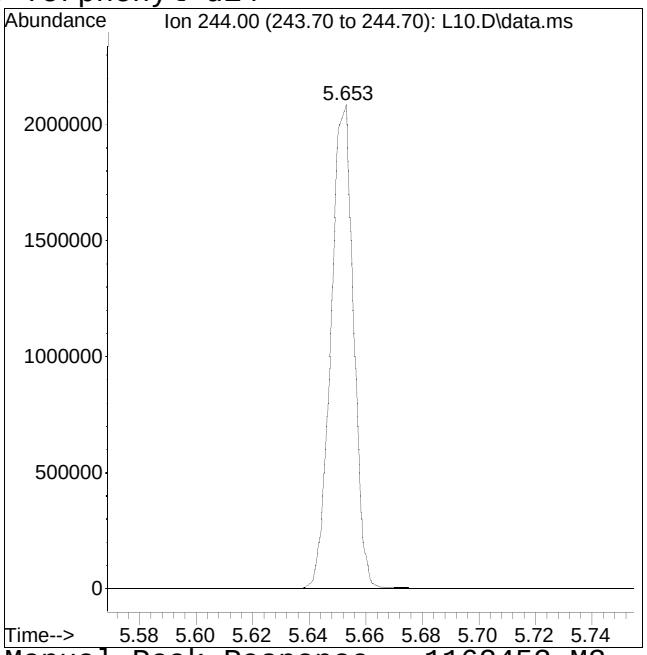
Original Peak Response = 4271 Manual Peak Response = 1795438 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L10.D Operator : SV118:dv
Date Inj'd : 10/25/2024 4:43 pm Instrument : SV118
Sample : IL10,32,, #10885 5000 ng/mQuant Date : 12/4/2024 11:33 am

Compound #30: 4-Terphenyl-d14



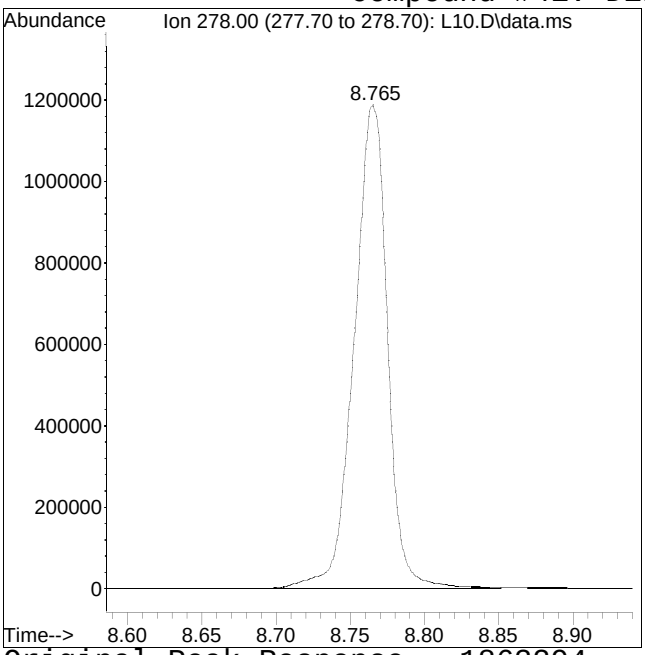


Original Peak Response = 4 Manual Peak Response = 1162453 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

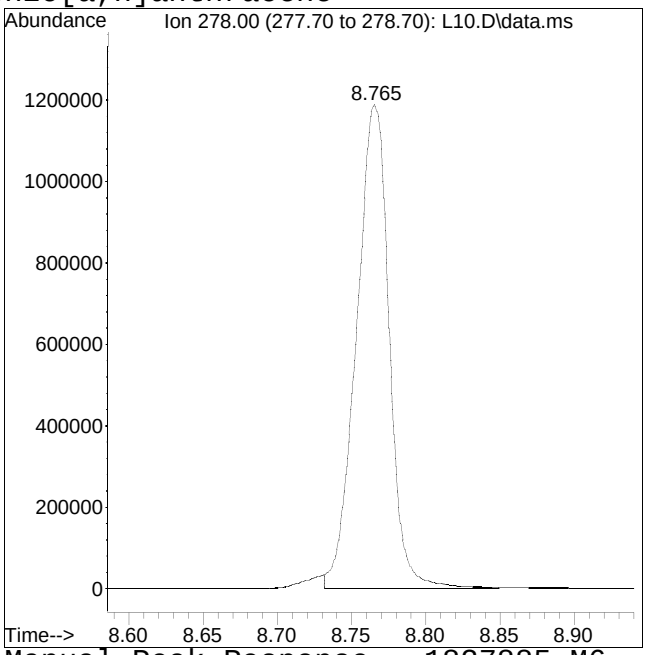
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L10.D Operator : SV118:dv
Date Inj'd : 10/25/2024 4:43 pm Instrument : SV118
Sample : IL10,32,, #10885 5000 ng/mQuant Date : 12/4/2024 11:33 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1863294



Manual Peak Response = 1827885 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L9.D
Acq On : 25 Oct 2024 05:01 pm
Operator : SV118:dv
Sample : IL9,32,, #10901 2500 ng/ml
Misc : WG1990947,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 11:35:35 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:37:09 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.276	152	336532	4000.000 ng/ml	0.00
Standard Area 1 = 429824			Recovery = 78.30%		
8) Naphthalene-d8	2.942	136	1251542	4000.000 ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 79.50%		
17) Acenaphthene-d10	3.918	164	686394	4000.000 ng/ml	0.00
Standard Area 1 = 863987			Recovery = 79.44%		
22) Phenanthrene-d10	4.749	188	1394426	4000.000 ng/ml #	0.00
Standard Area 1 = 1755380			Recovery = 79.44%		
31) Chrysene-d12	6.276	240	1286099	4000.000 ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 75.98%		
36) Perylene-d12	7.479	264	1359792	4000.000 ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 75.75%		
System Monitoring Compounds					
2) 2-Fluorophenol	1.673	112	228303	2399.453 ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 119.97%#		
3) Phenol-d6	2.078	99	284978	2437.424 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 121.87%#		
7) Nitrobenzene-d5	2.555	82	196948	2609.143 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 260.91%#		
13) 2-Fluorobiphenyl	3.540	172	575368	2390.952 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 239.10%#		
21) 2,4,6-Tribromophenol	4.358	330	85764	2711.612 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 135.58%#		
30) 4-Terphenyl-d14	5.647	244	658149	2306.790 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 230.68%#		
Target Compounds					Qvalue
4) Bis(2-chloroethyl)ether	2.136	93	250240	2513.542 ng/ml	97
5) n-nitrosodi-n-propylamine	2.476	70	186212	2518.277 ng/ml	97
6) Hexachloroethane	2.534	117	103636	2454.516 ng/ml	86
9) Naphthalene	2.950	128	777443	2359.784 ng/ml	100
10) Hexachlorobutadiene	3.025	225	142833	2442.661 ng/ml	99
11) 2-Methylnaphthalene	3.332	142	512459	2428.463 ng/ml	98
12) 1-Methylnaphthalene	3.387	142	472856	2408.601 ng/ml	99
14) 2-Chloronaphthalene	3.605	162	514081M3	2427.265 ng/ml	
15) 2,6-Dinitrotoluene	3.797	165	81428	2840.570 ng/ml#	85
16) Acenaphthylene	3.838	152	790915	2522.588 ng/ml	99
18) Acenaphthene	3.936	153	537959	2397.453 ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L9.D
Acq On : 25 Oct 2024 05:01 pm
Operator : SV118:dv
Sample : IL9,32,, #10901 2500 ng/ml
Misc : WG1990947,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 11:35:35 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:37:09 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.023	165	108035	2497.674	ng/ml#	86
20) Fluorene	4.224	166	581375	2431.938	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.251	198	44195	2474.930	ng/ml#	62
24) Hexachlorobenzene	4.536	284	220214	2398.683	ng/ml	98
25) Pentachlorophenol	4.645	266	105374M1	3085.785	ng/ml	
26) Phenanthrene	4.763	178	889206	2349.026	ng/ml	100
27) Anthracene	4.791	178	908698	2446.082	ng/ml	100
28) Fluoranthene	5.431	202	999929	2359.786	ng/ml#	90
29) Pyrene	5.559	202	1068591	2373.986	ng/ml	99
32) Benzo[a]anthracene	6.268	226	290300	2304.873	ng/ml#	95
33) 3,3'-Dichlorobenzidine	6.251	252	389909	2904.181	ng/ml	99
34) Chrysene	6.292	228	941051	2425.606	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.287	149	630760	2819.354	ng/ml	95
37) Benzo[b]fluoranthene	7.106	252	929826	2652.284	ng/ml	99
38) Benzo[k]fluoranthene	7.132	252	961896	2587.807	ng/ml	100
39) Benzo[a]pyrene	7.415	252	849519	2742.829	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.707	276	833331	2886.011	ng/ml#	86
41) Dibenzo[a,h]anthracene	8.742	278	817960M6	2782.807	ng/ml	
42) Benzo[g,h,i]perylene	9.052	276	814764	2691.755	ng/ml#	86

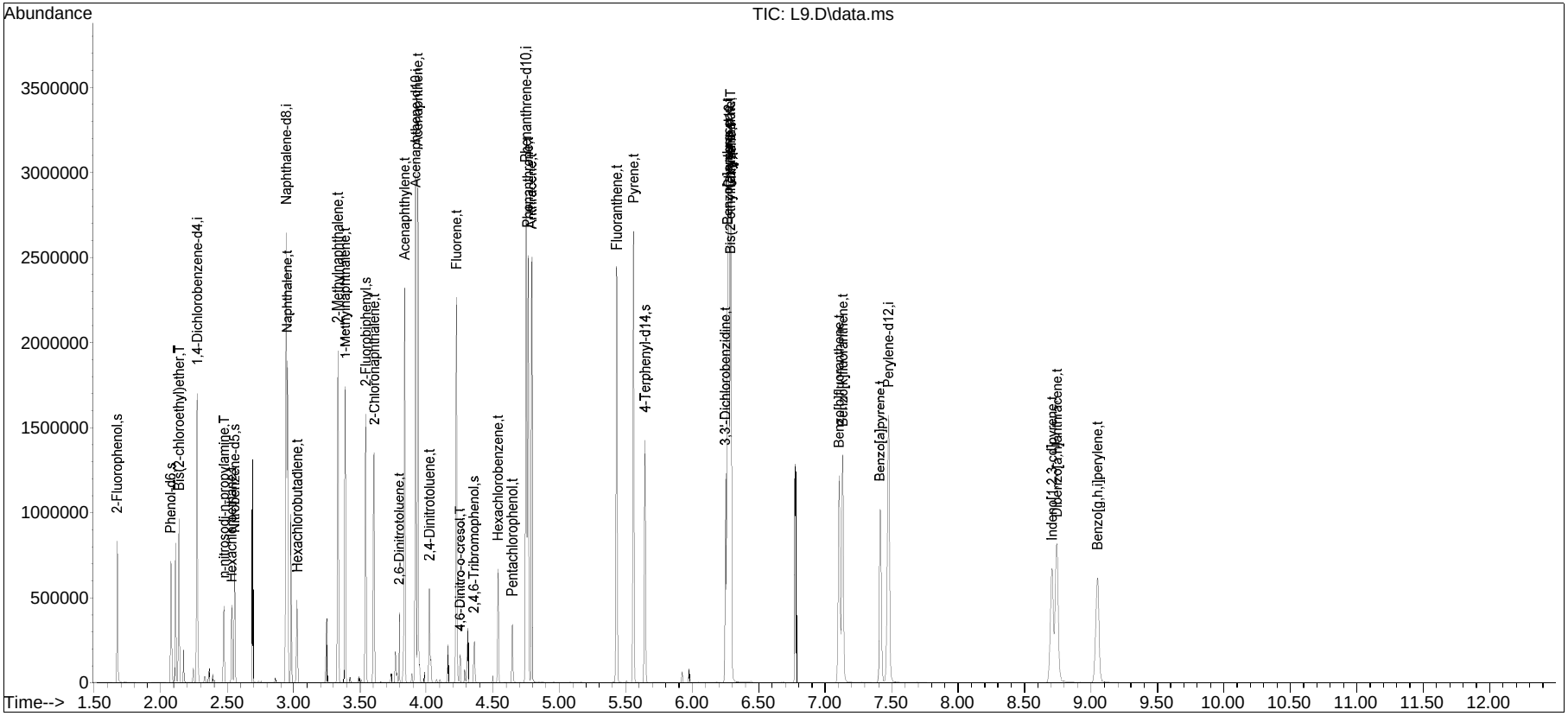
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L9.D
Acq On : 25 Oct 2024 05:01 pm
Operator : SV118:dv
Sample : IL9,32,, #10901 2500 ng/ml
Misc : WG1990947,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 04 11:35:35 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:37:09 2024
Response via : Initial Calibration

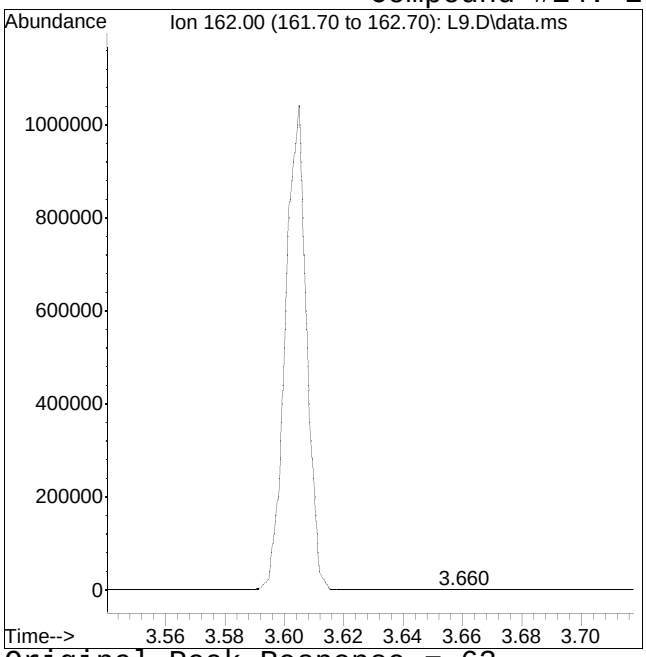
Sub List : Default - All compounds listedical\L8.D•

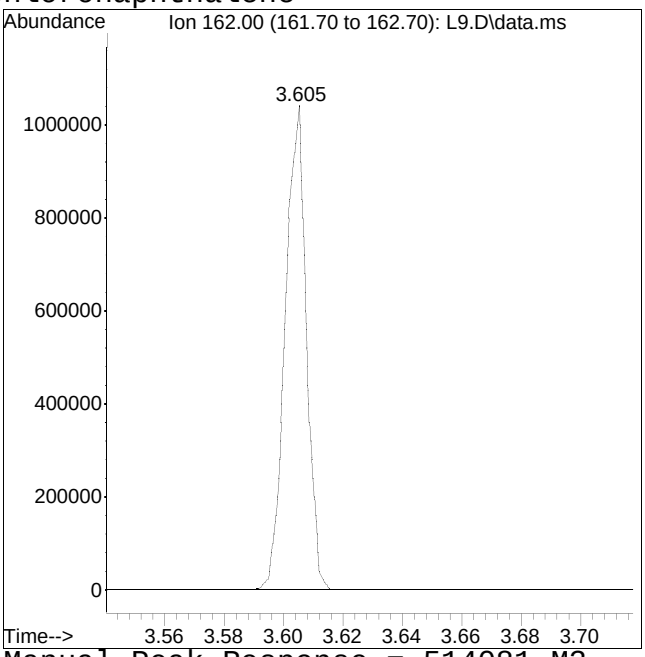


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L9.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:01 pm Instrument : SV118
Sample : IL9,32,, #10901 2500 ng/mlQuant Date : 12/4/2024 11:37 am

Compound #14: 2-Chloronaphthalene



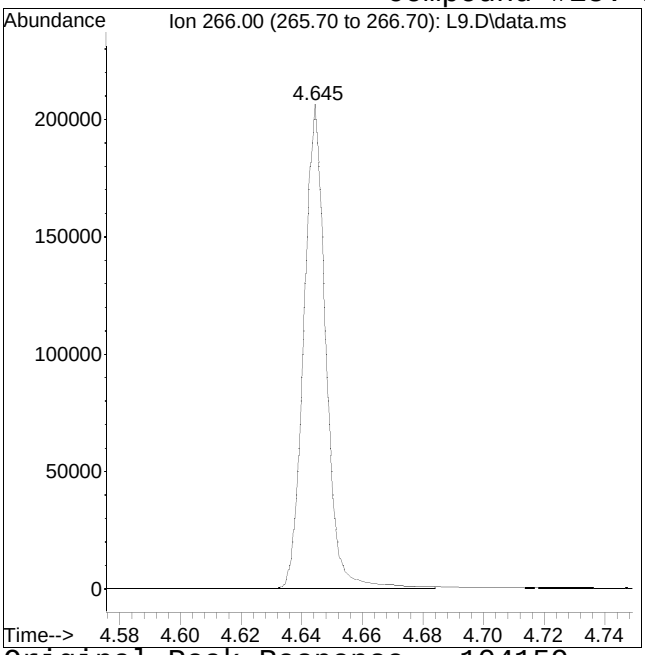


Original Peak Response = 63 Manual Peak Response = 514081 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

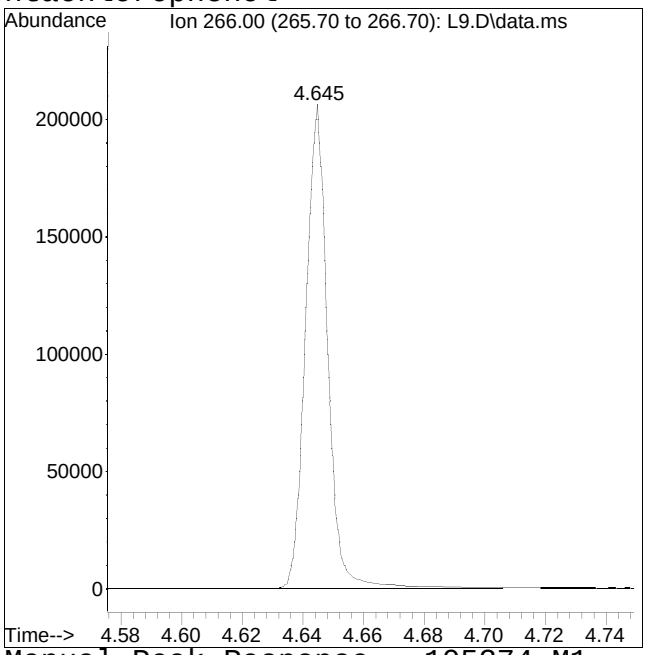
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L9.D
Date Inj'd : 10/25/2024 5:01 pm
Sample : IL9,32,, #10901 2500 ng/ml
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:37 am

Compound #25: Pentachlorophenol



Original Peak Response = 104159



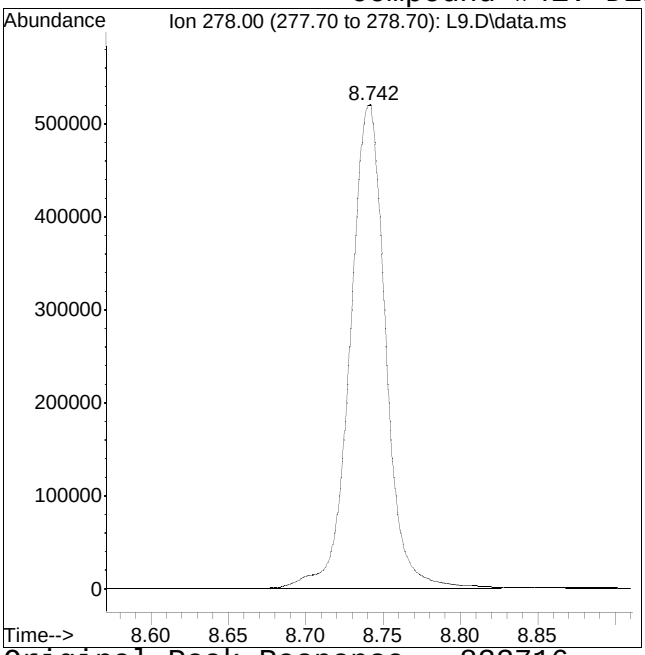
Manual Peak Response = 105374 M1

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

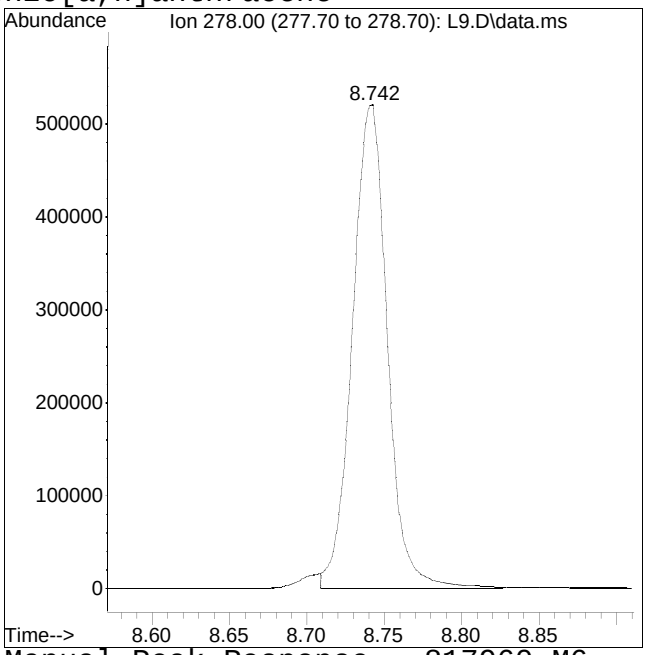
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L9.D
Date Inj'd : 10/25/2024 5:01 pm
Sample : IL9,32,, #10901 2500 ng/ml
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:37 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 833716



Manual Peak Response = 817960 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L8.D
Acq On : 25 Oct 2024 05:19 pm
Operator : SV118:dv
Sample : IL8,32,, #10888 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 04 11:33:01 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:26 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.279	152	429824	4000.000	ng/ml	-0.05
Standard Area 1 = 429824			Recovery = 100.00%			
8) Naphthalene-d8	2.946	136	1574353	4000.000	ng/ml	-0.05
Standard Area 1 = 1574353			Recovery = 100.00%			
17) Acenaphthene-d10	3.922	164	863987	4000.000	ng/ml	-0.05
Standard Area 1 = 863987			Recovery = 100.00%			
22) Phenanthrene-d10	4.753	188	1755380M3	4000.000	ng/ml	-0.06
Standard Area 1 = 1755380			Recovery = 100.00%			
31) Chrysene-d12	6.276	240	1692718M2	4000.000	ng/ml	-0.15
Standard Area 1 = 1692718			Recovery = 100.00%			
36) Perylene-d12	7.483	264	1795203M2	4000.000	ng/ml	-0.24
Standard Area 1 = 1795203			Recovery = 100.00%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.683	112	119014	979.342	ng/ml	-0.05
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.97%			
3) Phenol-d6	2.084	99	148408	993.832	ng/ml	-0.05
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.69%			
7) Nitrobenzene-d5	2.560	82	101098	1048.636	ng/ml	-0.05
Spiked Amount 1000.000	Range 30 - 130		Recovery = 104.86%			
13) 2-Fluorobiphenyl	3.544	172	294957	974.377	ng/ml	-0.05
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.44%			
21) 2,4,6-Tribromophenol	4.362	330	42117	1057.904	ng/ml	-0.06
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.90%			
30) 4-Terphenyl-d14	5.649	244	346598	965.015	ng/ml	-0.10
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.50%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.143	93	129762	1019.044	ng/ml	96
5) n-nitrosodi-n-propylamine	2.479	70	94011	995.429	ng/ml	97
6) Hexachloroethane	2.540	117	53876	999.048	ng/ml	85
9) Naphthalene	2.954	128	402557	971.347	ng/ml	100
10) Hexachlorobutadiene	3.029	225	72281M3	982.657	ng/ml	
11) 2-Methylnaphthalene	3.336	142	263115	991.200	ng/ml	98
12) 1-Methylnaphthalene	3.394	142	243234	984.926	ng/ml	99
14) 2-Chloronaphthalene	3.608	162	264846	994.082	ng/ml	88
15) 2,6-Dinitrotoluene	3.799	165	38000	1053.801	ng/ml#	84
16) Acenaphthylene	3.840	152	403084	1022.010	ng/ml	99
18) Acenaphthene	3.938	153	274294	971.144	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L8.D
Acq On : 25 Oct 2024 05:19 pm
Operator : SV118:dv
Sample : IL8,32,, #10888 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 04 11:33:01 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:26 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.024	165	49929	932.864	ng/ml#	85
20) Fluorene	4.224	166	299762	996.183	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.251	198	20506	927.565	ng/ml#	78
24) Hexachlorobenzene	4.540	284	113536	982.394	ng/ml	98
25) Pentachlorophenol	4.646	266	48114M3	1119.252	ng/ml	
26) Phenanthrene	4.765	178	458722M3	962.630	ng/ml	
27) Anthracene	4.792	178	467014	998.632	ng/ml	99
28) Fluoranthene	5.431	202	526686	987.369	ng/ml#	91
29) Pyrene	5.559	202	558873	986.289	ng/ml	99
32) Benzo[a]anthracene	6.267	226	151578M4	914.378	ng/ml	
33) 3,3'-Dichlorobenzidine	6.251	252	199371	1128.268	ng/ml	99
34) Chrysene	6.292	228	504754M4	988.500	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.287	149	312893M2	1062.603	ng/ml	
37) Benzo[b]fluoranthene	7.106	252	478381M3	1033.597	ng/ml	
38) Benzo[k]fluoranthene	7.132	252	515928M1	1051.361	ng/ml	
39) Benzo[a]pyrene	7.417	252	438734M2	1072.966	ng/ml	
40) Indeno[1,2,3-cd]pyrene	8.704	276	431085M3	1130.843	ng/ml	
41) Dibenzo[a,h]anthracene	8.740	278	423760M2	1092.018	ng/ml	
42) Benzo[g,h,i]perylene	9.051	276	422562M2	1057.433	ng/ml	

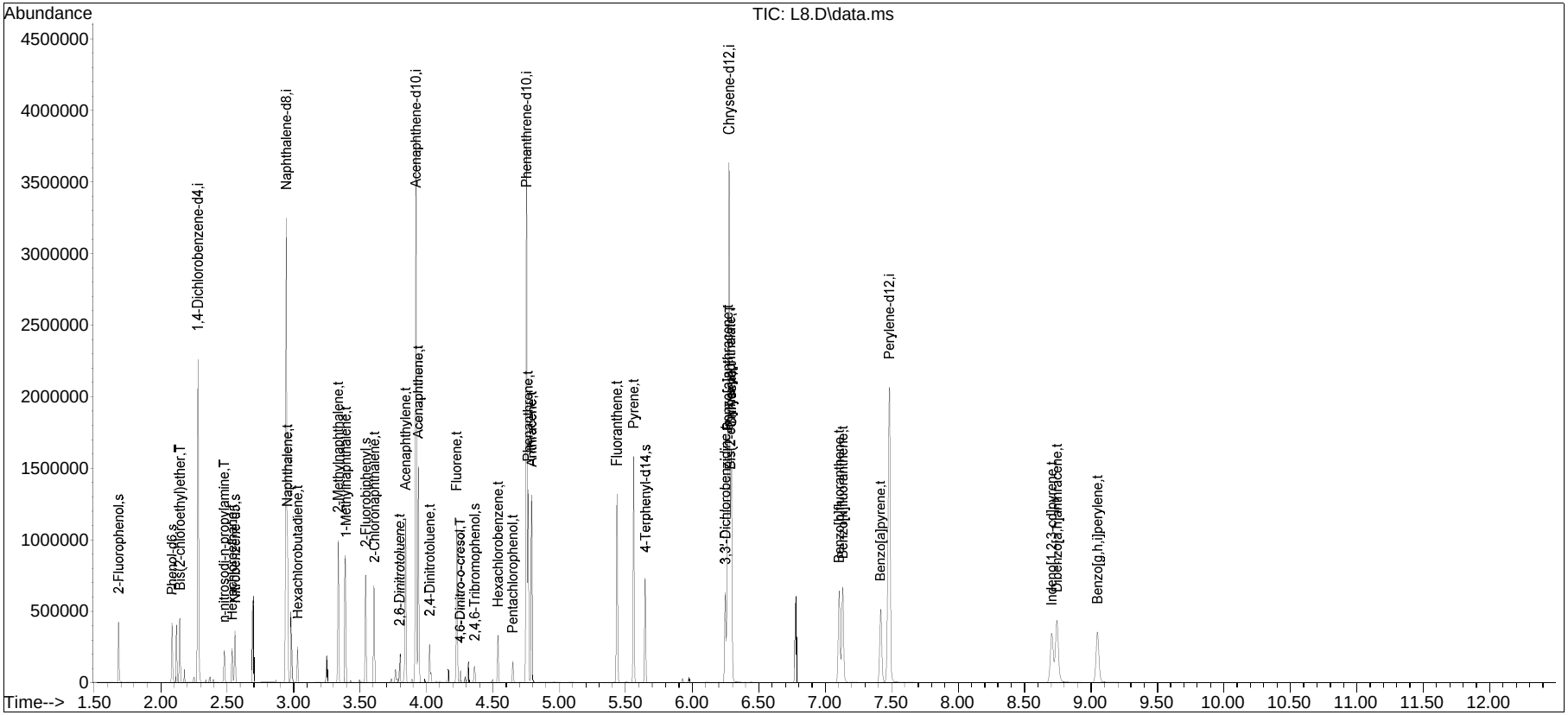
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L8.D
Acq On : 25 Oct 2024 05:19 pm
Operator : SV118:dv
Sample : IL8,32,, #10888 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 04 11:33:01 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:26 2024
Response via : Initial Calibration

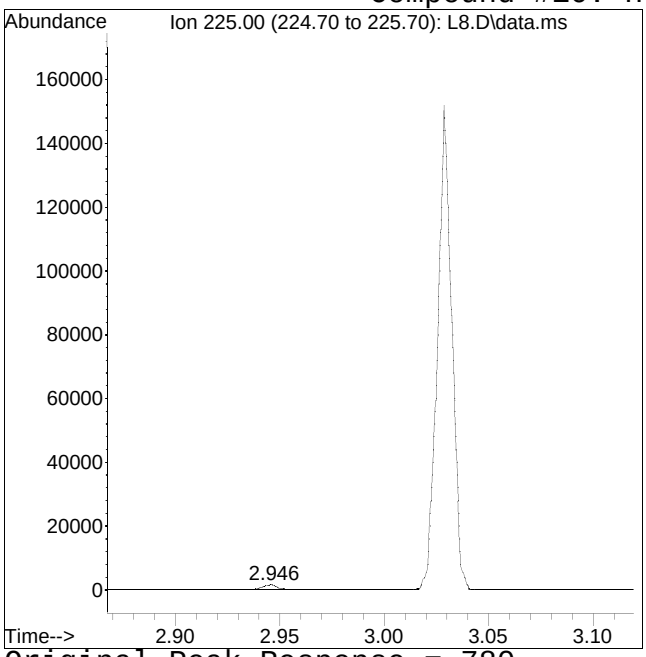
Sub List : Default - All compounds listedical\L8.D•



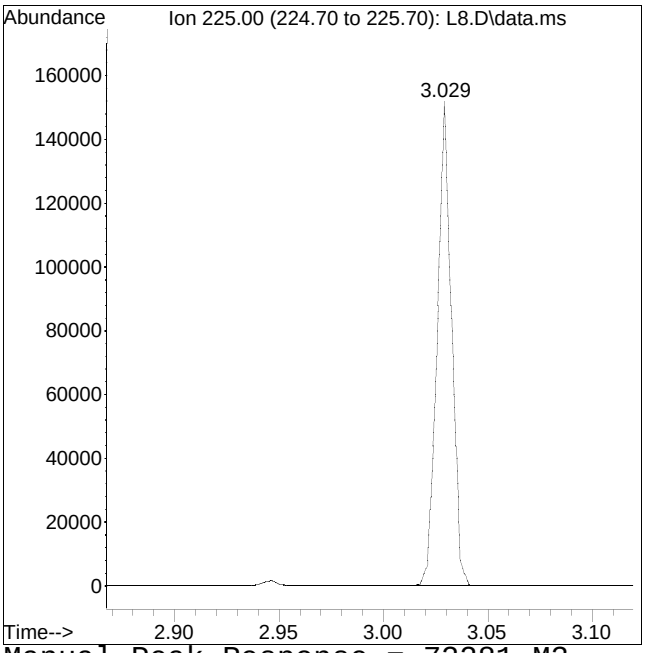
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #10: Hexachlorobutadiene



Original Peak Response = 780



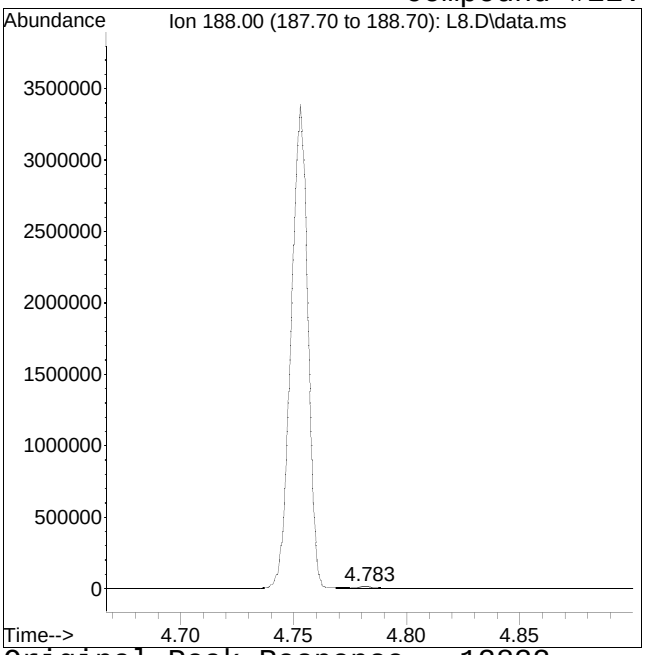
Manual Peak Response = 72281 M3

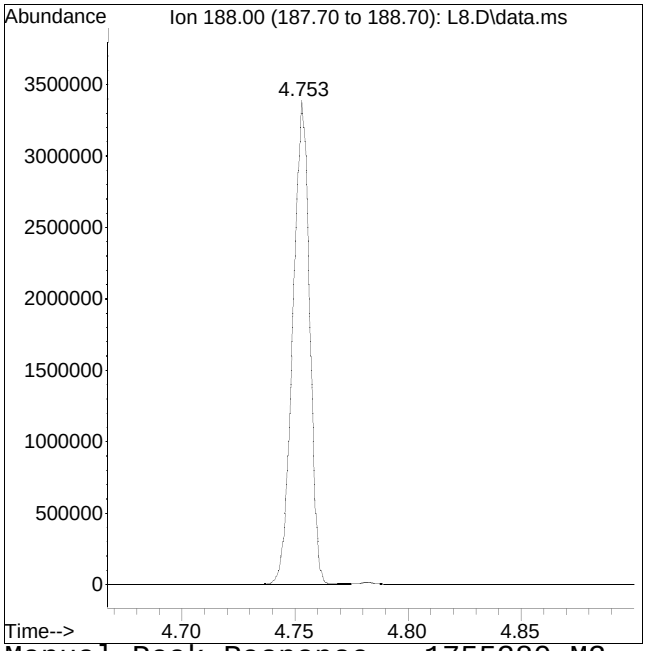
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #22: Phenanthrene-d10



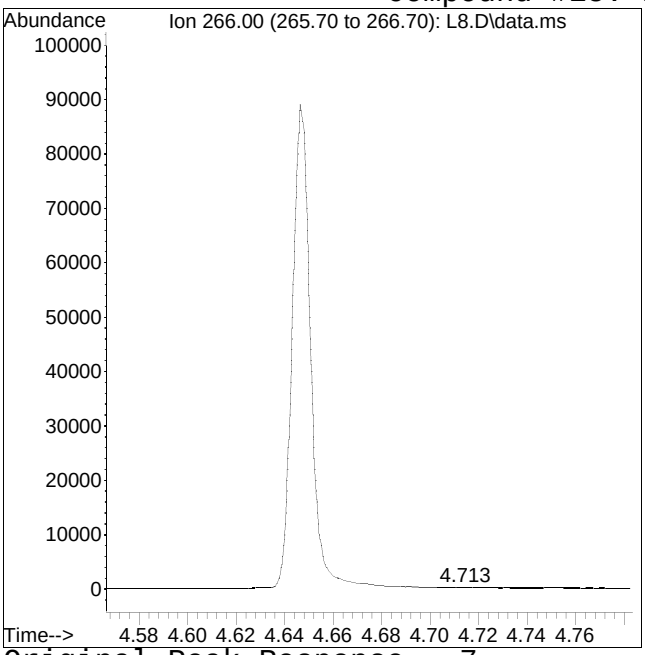


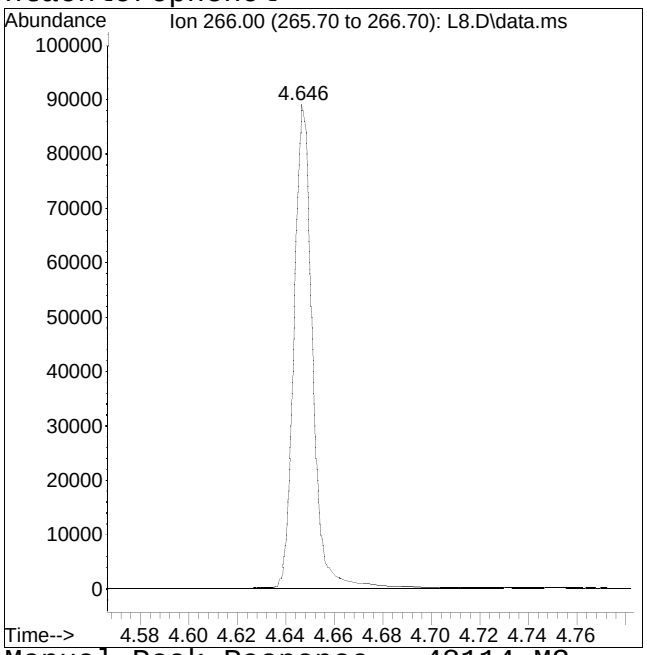
Original Peak Response = 12832 Manual Peak Response = 1755380 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #25: Pentachlorophenol



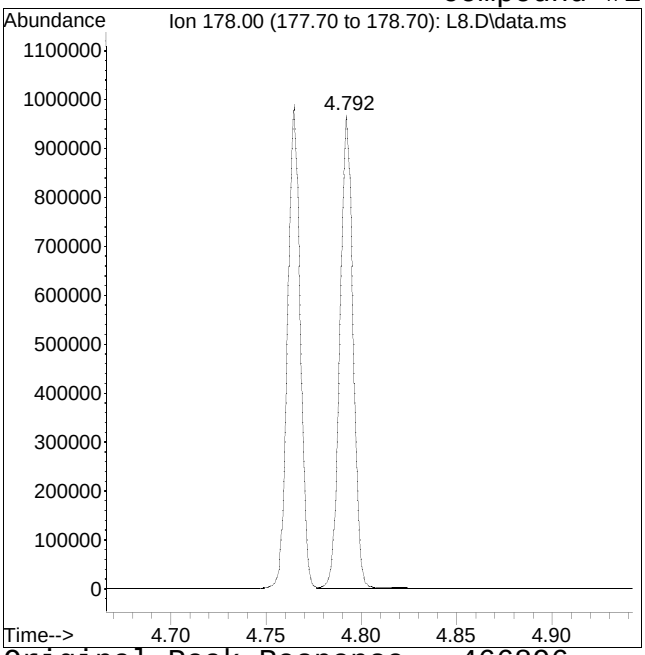


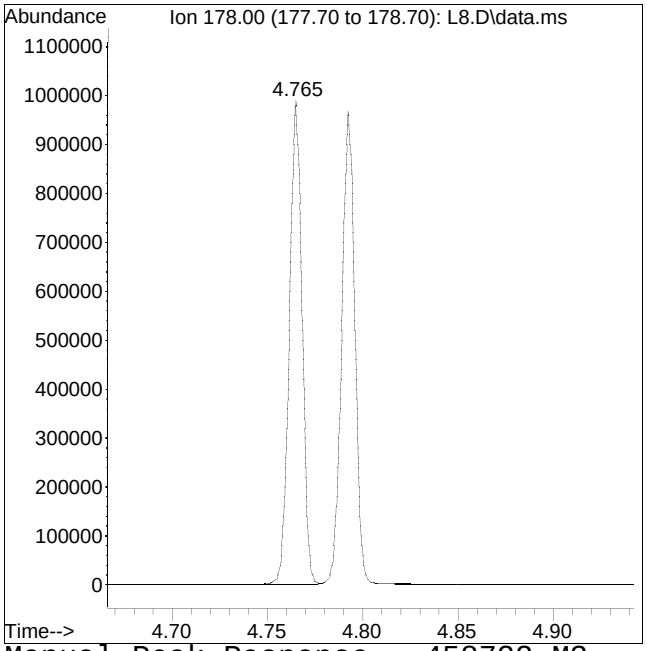
Original Peak Response = 7 Manual Peak Response = 48114 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #26: Phenanthrene





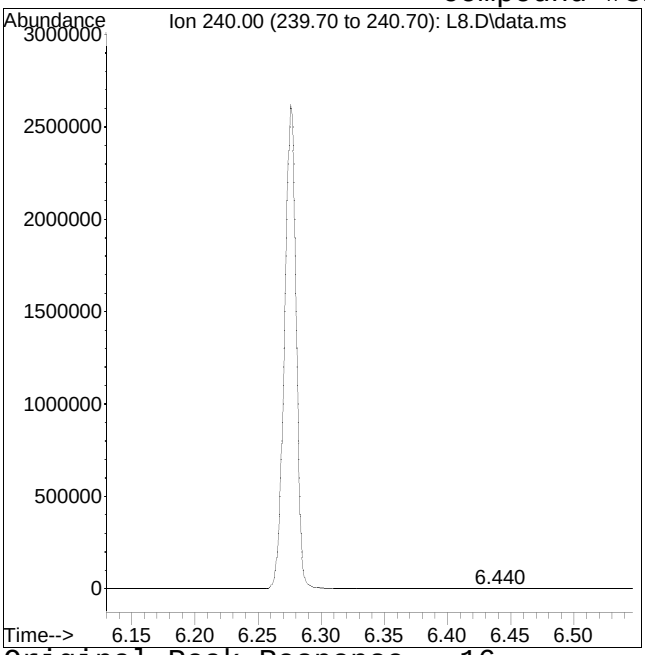
Original Peak Response = 466896 Manual Peak Response = 458722 M3

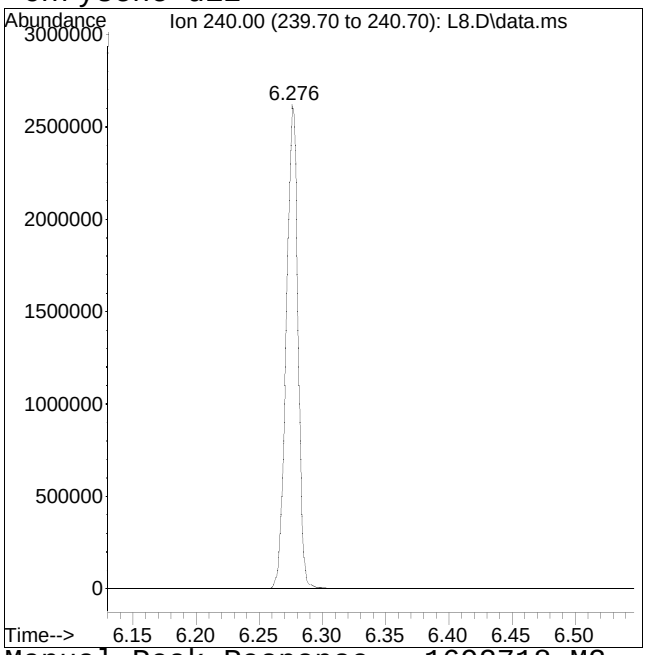
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #31: Chrysene-d12



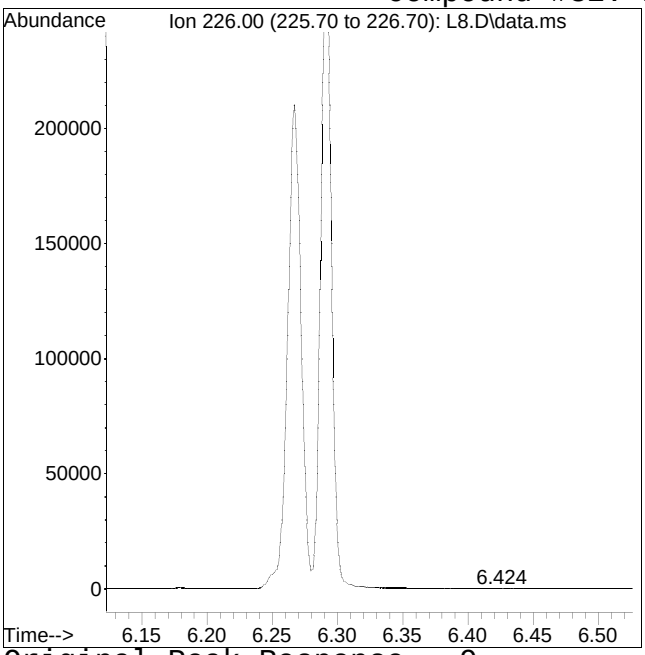


Original Peak Response = 16 Manual Peak Response = 1692718 M2
M2 = Peak not found by automatic integration algorithm.

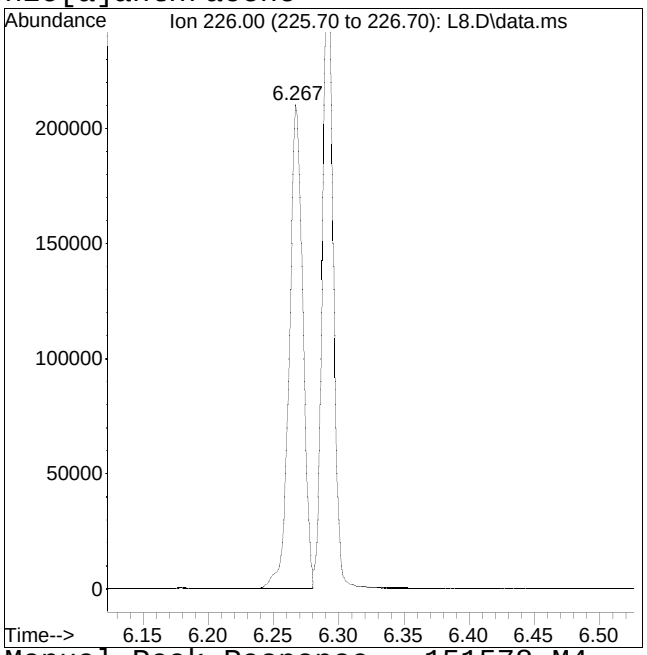
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #32: Benzo[a]anthracene



Original Peak Response = 9



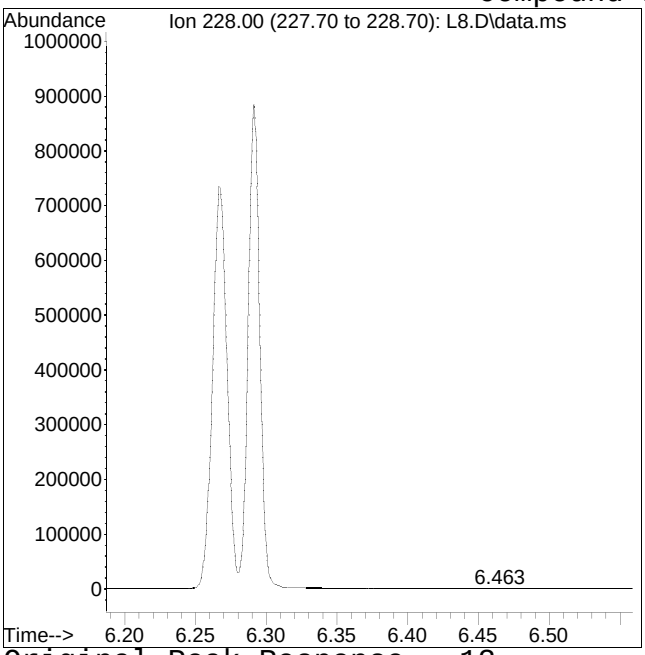
Manual Peak Response = 151578 M4

M4 = Poor automated baseline construction.

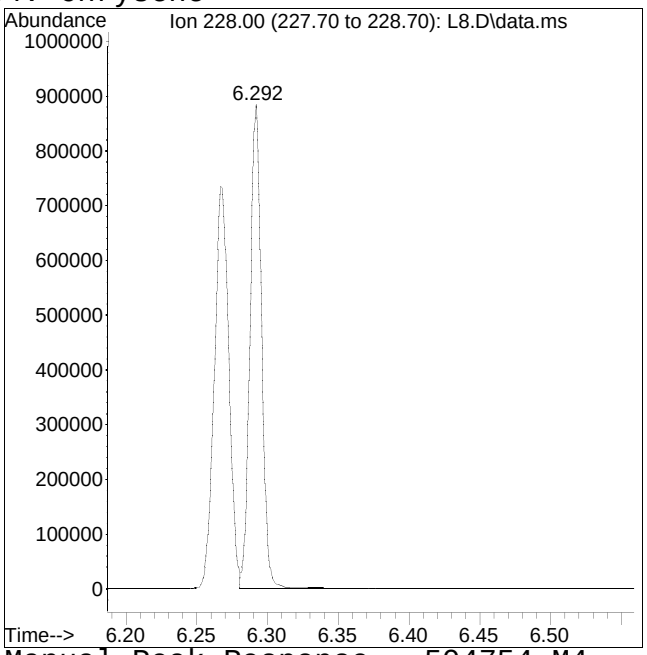
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #34: Chrysene



Original Peak Response = 12



Manual Peak Response = 504754 M4

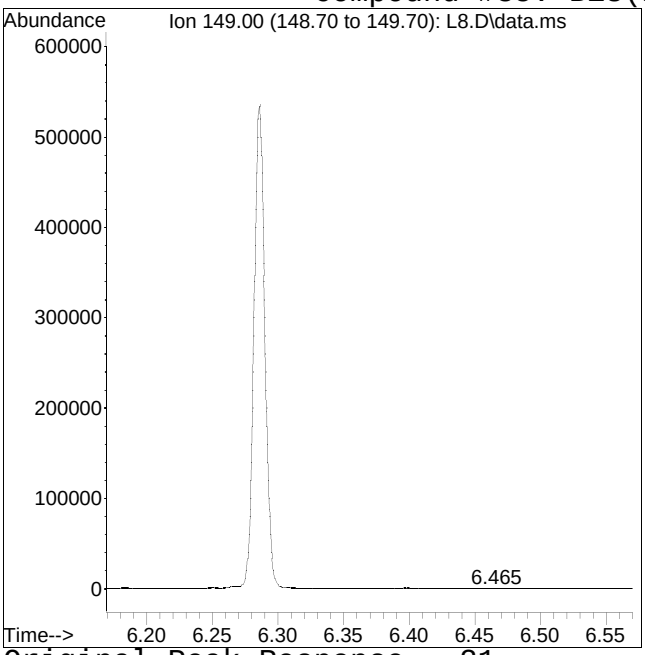
M4 = Poor automated baseline construction.

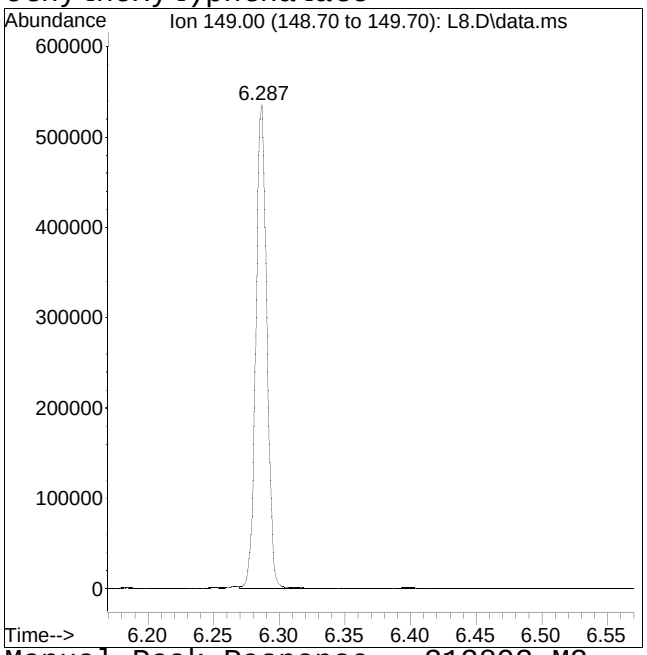
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #35: Bis(2-ethylhexyl)phthalate



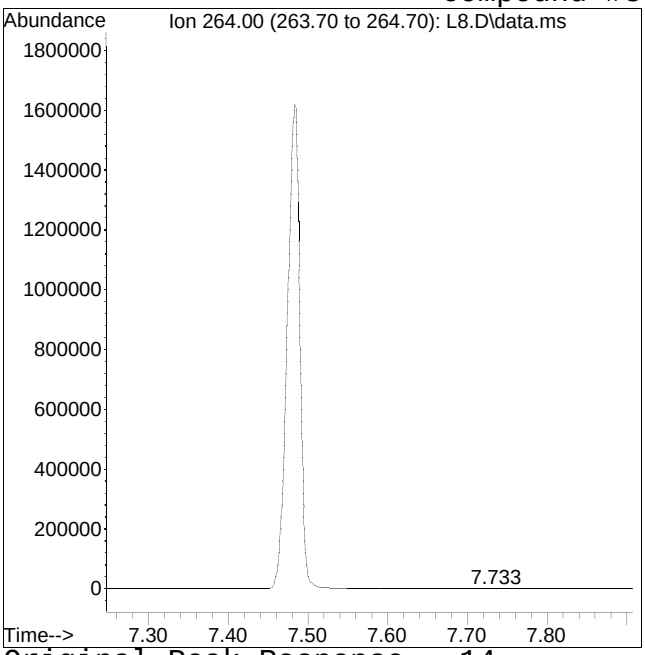


Original Peak Response = 21 Manual Peak Response = 312893 M2
M2 = Peak not found by automatic integration algorithm.

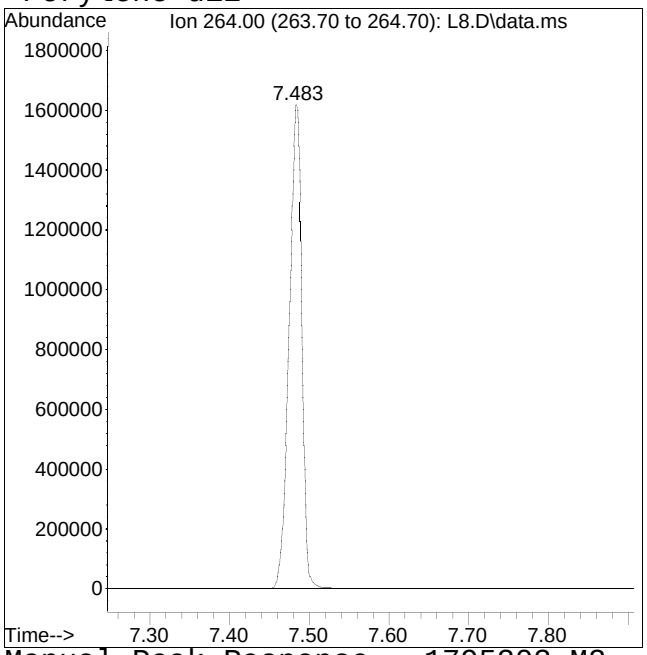
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #36: Perylene-d12



Original Peak Response = 14



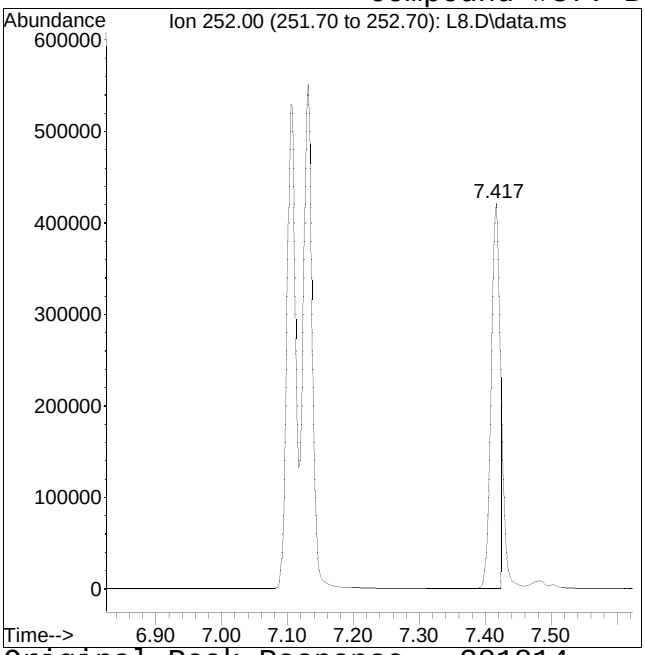
Manual Peak Response = 1795203 M2

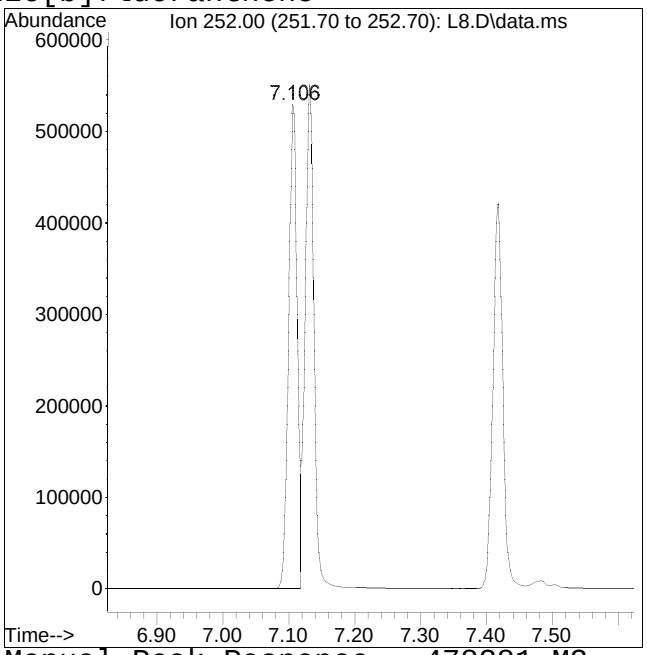
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #37: Benzo[b]fluoranthene





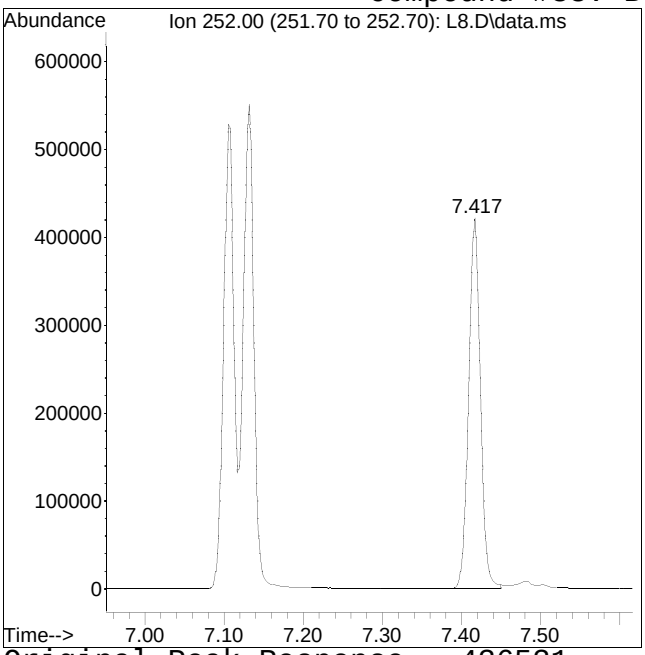
Original Peak Response = 381814 Manual Peak Response = 478381 M3

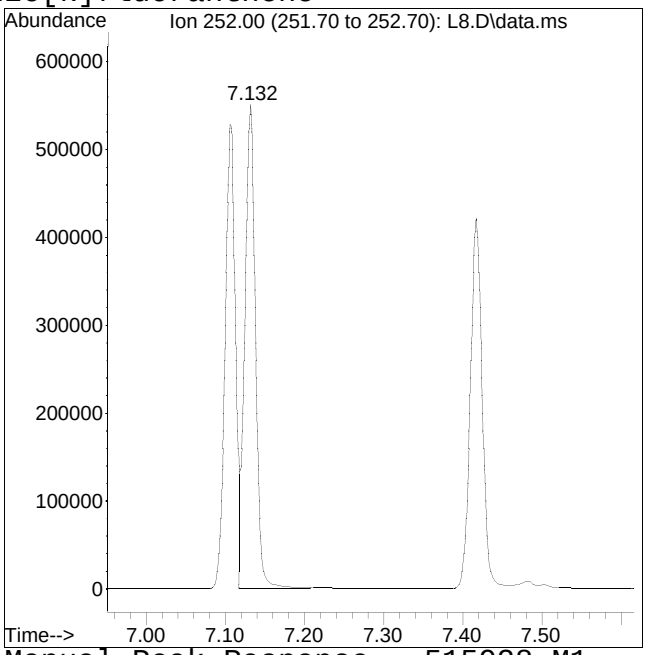
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #38: Benzo[k]fluoranthene





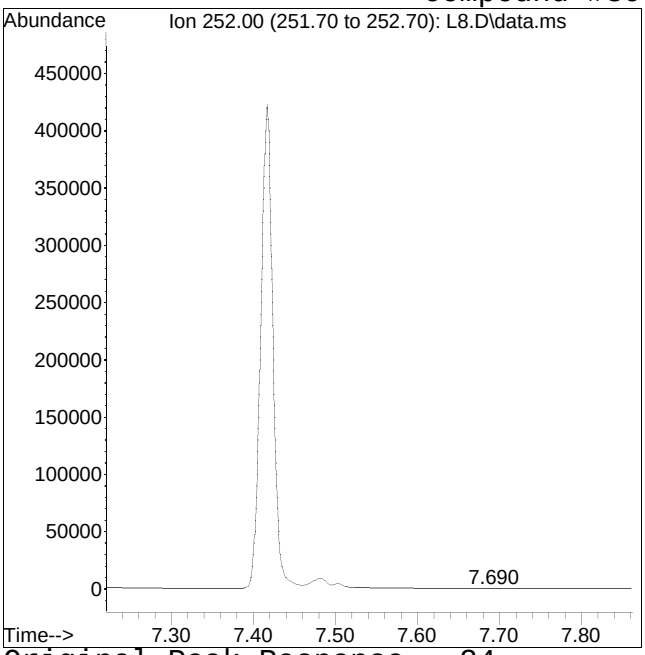
Original Peak Response = 436531 Manual Peak Response = 515928 M1

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

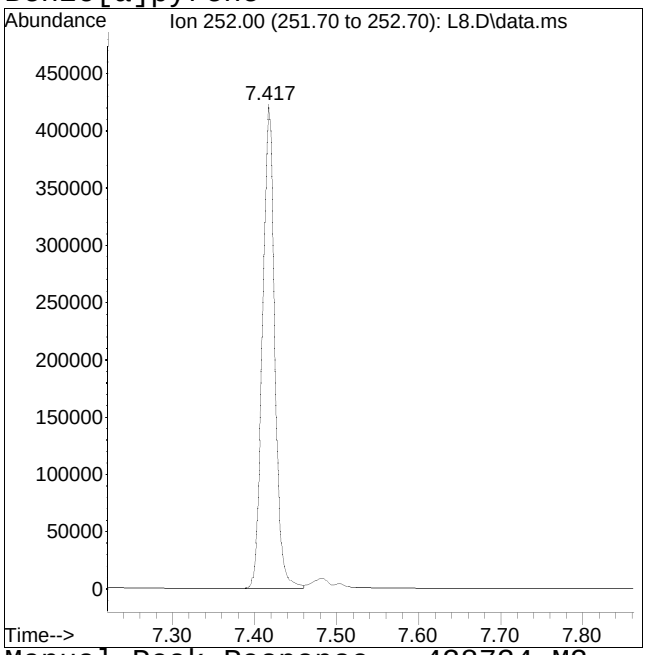
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #39: Benzo[a]pyrene



Original Peak Response = 24



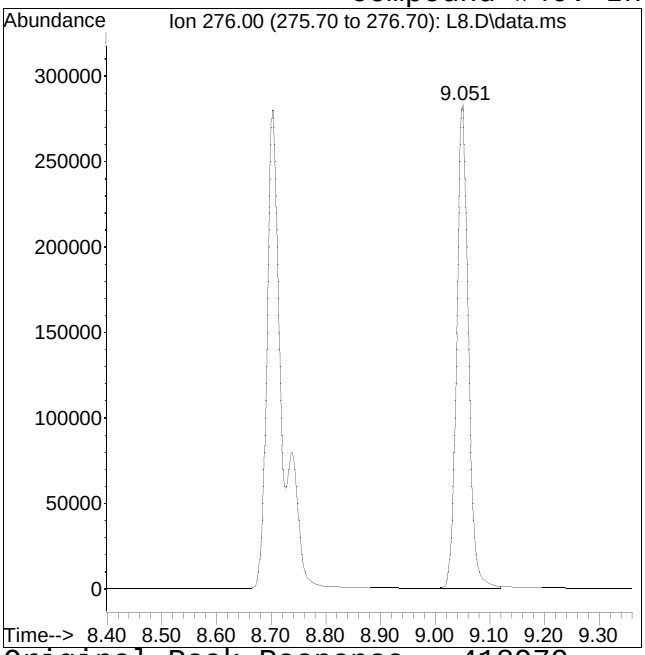
Manual Peak Response = 438734 M2

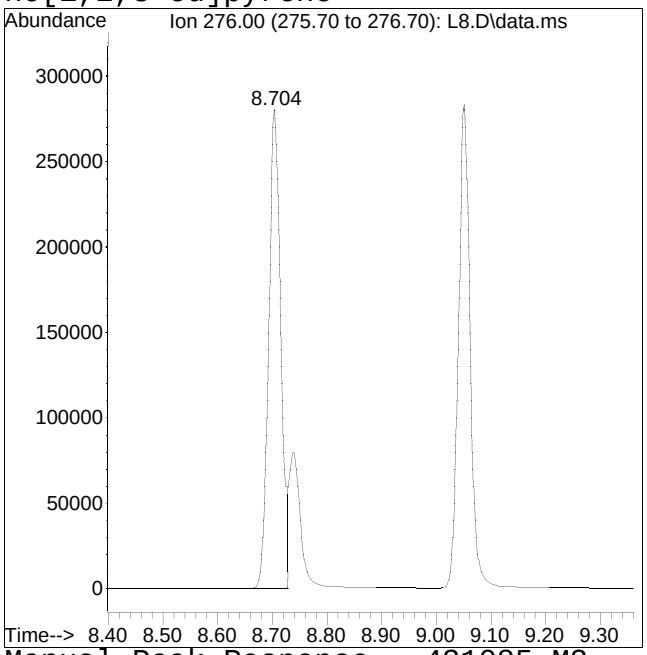
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L8.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:19 pm Instrument : SV118
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/4/2024 11:34 am

Compound #40: Indeno[1,2,3-cd]pyrene





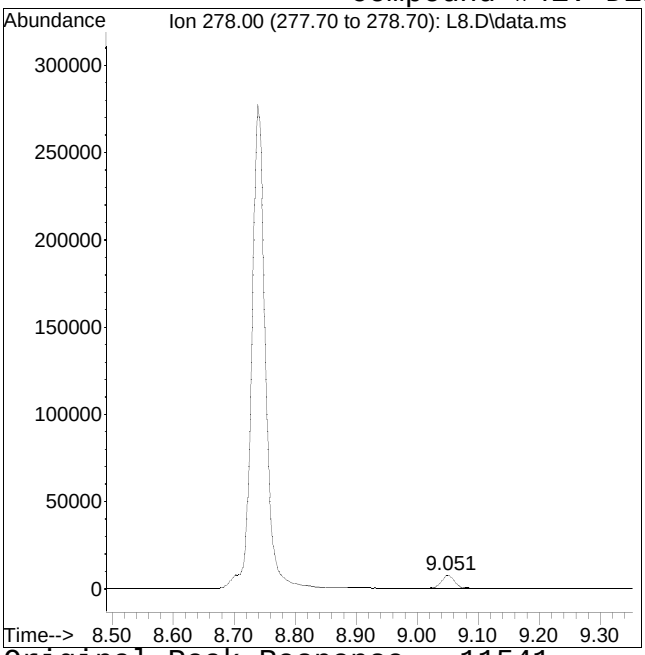
Original Peak Response = 418979 Manual Peak Response = 431085 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

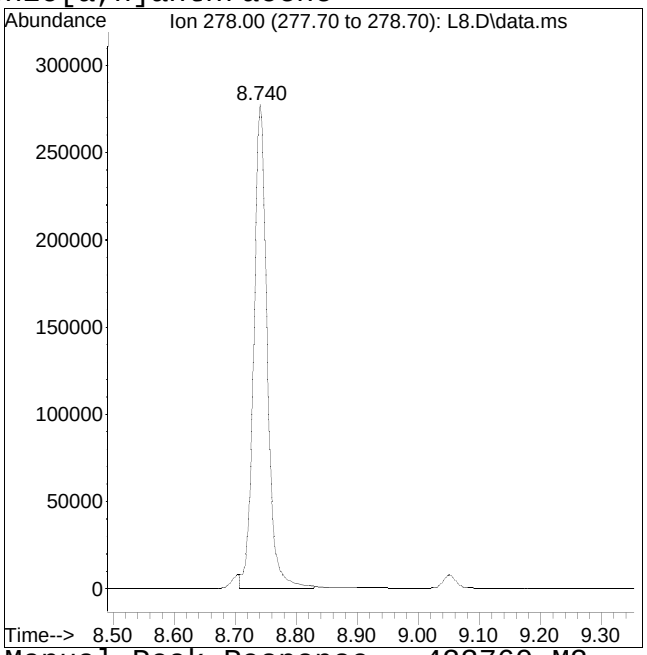
Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 11541



Manual Peak Response = 423760 M2

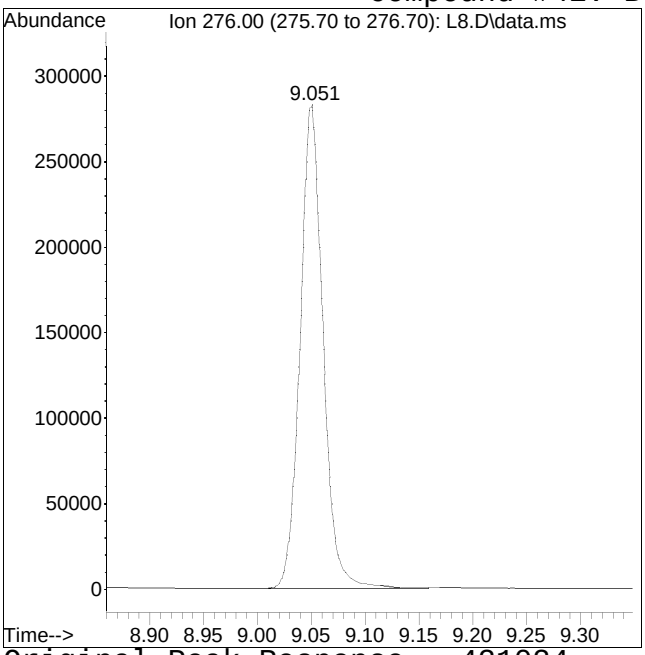
M2 = Peak not found by automatic integration algorithm.

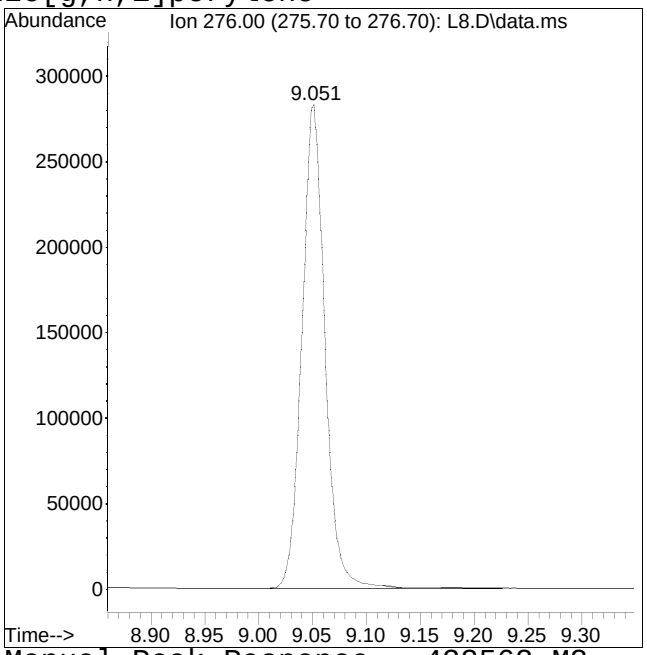
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L8.D
Date Inj'd : 10/25/2024 5:19 pm
Sample : IL8,32,, #10888 1000 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #42: Benzo[g,h,i]perylene





Original Peak Response = 421024 Manual Peak Response = 422562 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L7.D
Acq On : 25 Oct 2024 05:37 pm
Operator : SV118:dv
Sample : IL7,32,, #10889 500 ng/ml
Misc : WG1990947,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 04 11:32:46 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	2.283	152	381360	4000.000	ng/ml		0.00
Standard Area 1 = 429824			Recovery = 88.72%				
8) Naphthalene-d8	2.946	136	1393828	4000.000	ng/ml		0.00
Standard Area 1 = 1574353			Recovery = 88.53%				
17) Acenaphthene-d10	3.923	164	767564	4000.000	ng/ml		0.00
Standard Area 1 = 863987			Recovery = 88.84%				
22) Phenanthrene-d10	4.753	188	1620744	4000.000	ng/ml	#	0.00
Standard Area 1 = 1755380			Recovery = 92.33%				
31) Chrysene-d12	6.277	240	1646437	4000.000	ng/ml		0.00
Standard Area 1 = 1692718			Recovery = 97.27%				
36) Perylene-d12	7.488	264	1727376	4000.000	ng/ml		0.00
Standard Area 1 = 1795203			Recovery = 96.22%				
System Monitoring Compounds							
2) 2-Fluorophenol	1.682	112	52262	484.705	ng/ml		0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.24%				
3) Phenol-d6	2.085	99	64713	488.430	ng/ml		0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.42%				
7) Nitrobenzene-d5	2.561	82	42910	501.645	ng/ml		0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 50.16%				
13) 2-Fluorobiphenyl	3.544	172	130931	488.544	ng/ml		0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 48.85%				
21) 2,4,6-Tribromophenol	4.362	330	18260	516.276	ng/ml		0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.81%				
30) 4-Terphenyl-d14	5.650	244	167002	503.601	ng/ml		0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 50.36%				
Target Compounds							Qvalue
4) Bis(2-chloroethyl)ether	2.143	93	57253	505.526	ng/ml		97
5) n-nitrosodi-n-propylamine	2.482	70	40405	482.194	ng/ml		97
6) Hexachloroethane	2.543	117	23509	491.338	ng/ml		86
9) Naphthalene	2.958	128	176856	482.014	ng/ml		100
10) Hexachlorobutadiene	3.029	225	31966	490.862	ng/ml		100
11) 2-Methylnaphthalene	3.339	142	115432	491.173	ng/ml		98
12) 1-Methylnaphthalene	3.394	142	106674	487.900	ng/ml		98
14) 2-Chloronaphthalene	3.609	162	116199M3	492.634	ng/ml		
15) 2,6-Dinitrotoluene	3.800	165	15072	472.105	ng/ml	#	81
16) Acenaphthylene	3.841	152	175925	503.826	ng/ml		99
18) Acenaphthene	3.939	153	121832	485.536	ng/ml		97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L7.D
Acq On : 25 Oct 2024 05:37 pm
Operator : SV118:dv
Sample : IL7,32,, #10889 500 ng/ml
Misc : WG1990947,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 04 11:32:46 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:16 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.025	165	19855	431.377	ng/ml	85
20) Fluorene	4.228	166	133880	500.807	ng/ml	97
23) 4,6-Dinitro-o-cresol	4.251	198	8418	425.915	ng/ml#	77
24) Hexachlorobenzene	4.540	284	52390	490.973	ng/ml	98
25) Pentachlorophenol	4.649	266	18162M1	457.590	ng/ml	
26) Phenanthrene	4.765	178	213555	485.374	ng/ml	99
27) Anthracene	4.795	178	215333	498.704	ng/ml	99
28) Fluoranthene	5.434	202	250289	508.190	ng/ml#	92
29) Pyrene	5.562	202	268359	512.937	ng/ml	100
32) Benzo[a]anthracene	6.268	226	73539	456.086	ng/ml#	98
33) 3,3'-Dichlorobenzidine	6.251	252	91983	535.177	ng/ml	99
34) Chrysene	6.293	228	251190	505.753	ng/ml#	100
35) Bis(2-ethylhexyl)phtha...	6.288	149	141470	493.946	ng/ml	96
37) Benzo[b]fluoranthene	7.108	252	236214	530.407	ng/ml	99
38) Benzo[k]fluoranthene	7.132	252	243985	516.717	ng/ml	100
39) Benzo[a]pyrene	7.419	252	210014	533.777	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.709	276	201576	549.547	ng/ml#	88
41) Dibenzo[a,h]anthracene	8.745	278	202238M6	541.626	ng/ml	
42) Benzo[g,h,i]perylene	9.054	276	202429	526.456	ng/ml#	86

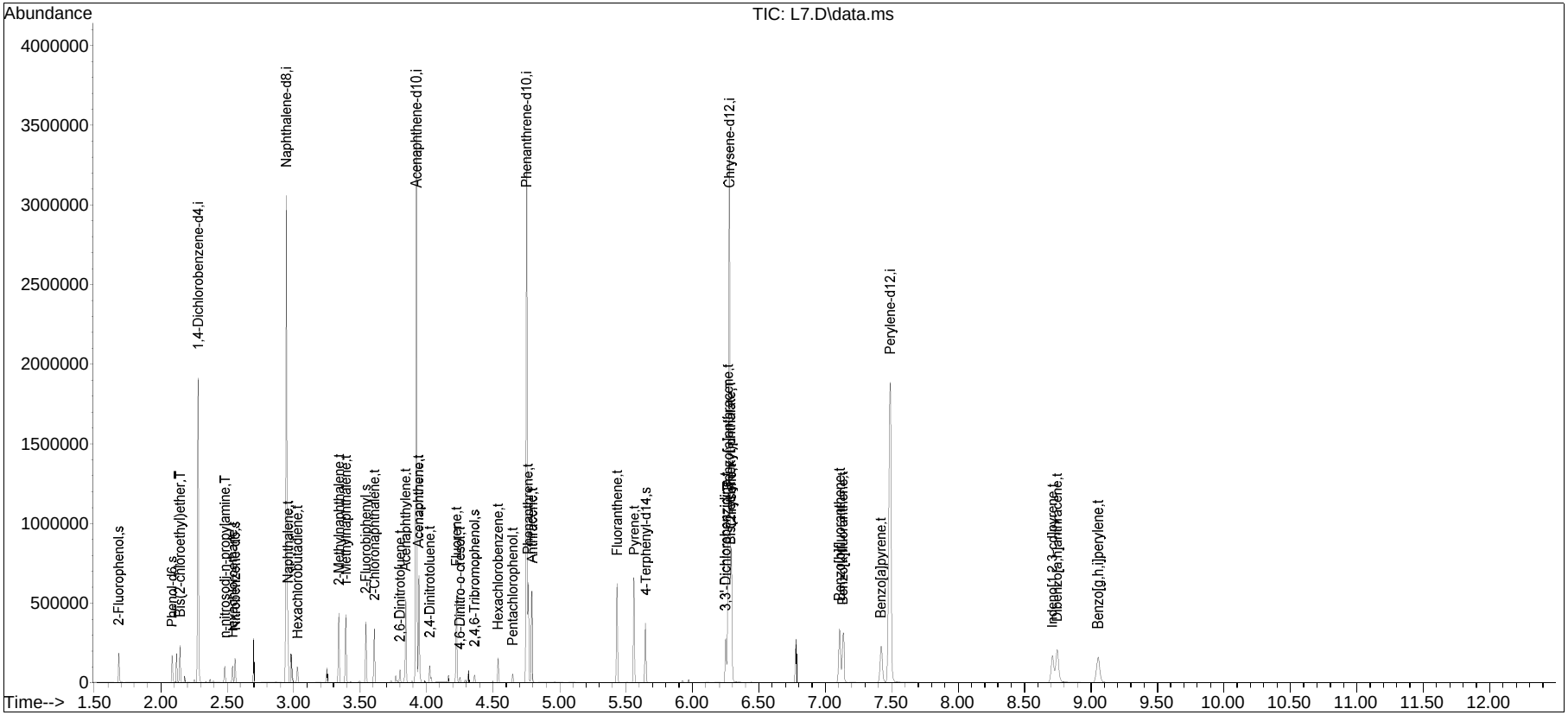
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L7.D
Acq On : 25 Oct 2024 05:37 pm
Operator : SV118:dv
Sample : IL7,32,, #10889 500 ng/ml
Misc : WG1990947,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 04 11:32:46 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:16 2024
Response via : Initial Calibration

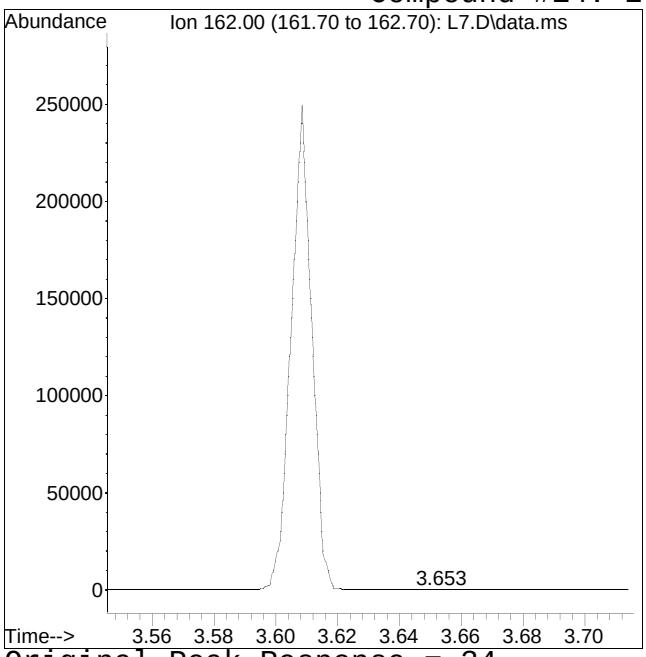
Sub List : Default - All compounds listedical\L8.D•

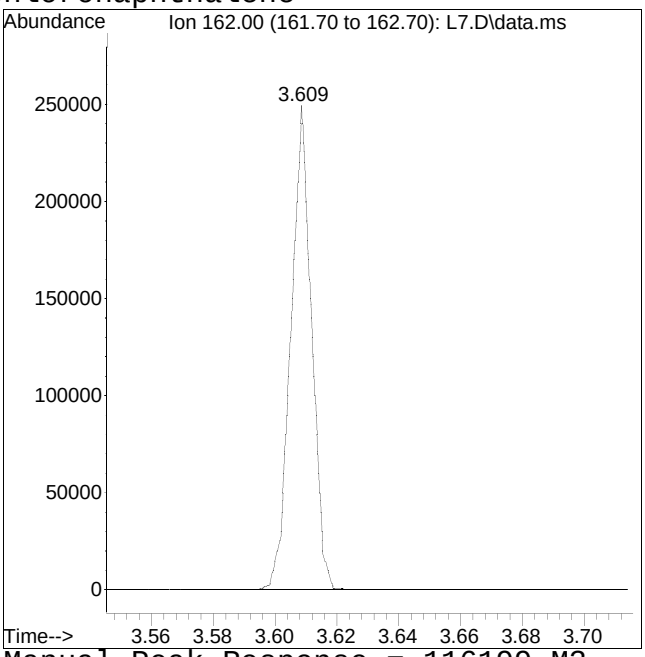


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L7.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:37 pm Instrument : SV118
Sample : IL7,32,, #10889 500 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #14: 2-Chloronaphthalene



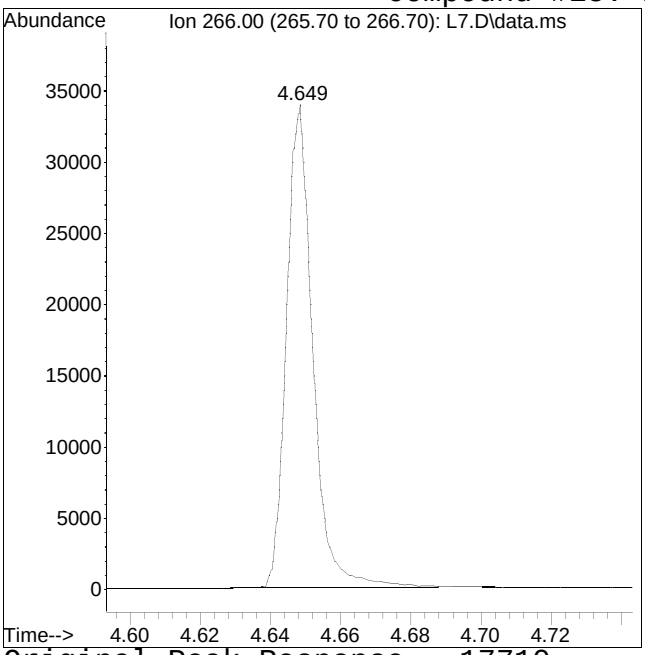


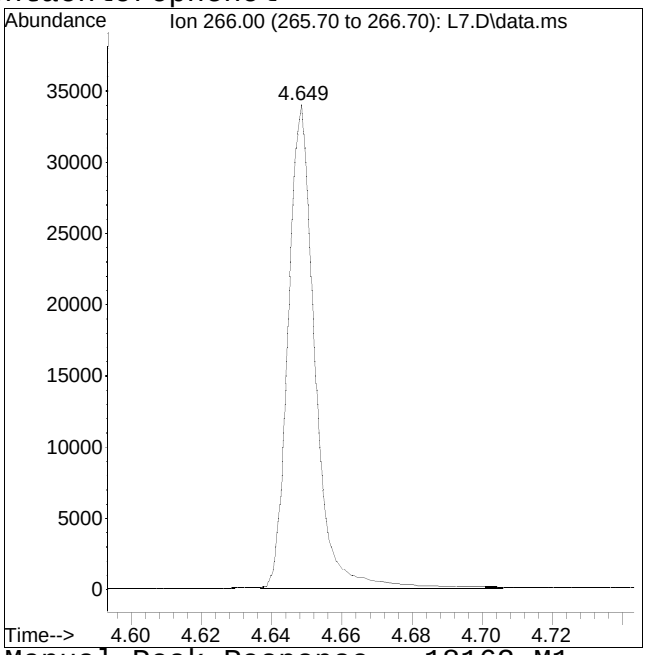
Original Peak Response = 34 Manual Peak Response = 116199 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L7.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:37 pm Instrument : SV118
Sample : IL7,32,, #10889 500 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #25: Pentachlorophenol



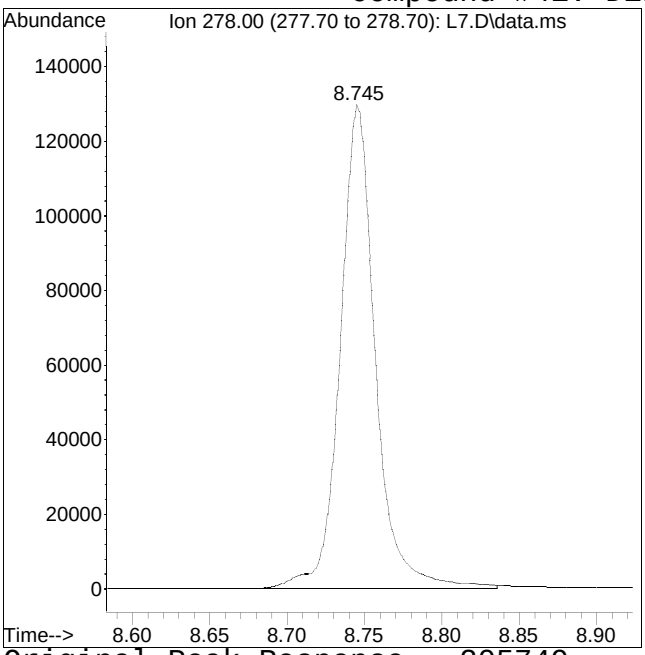


Original Peak Response = 17710 Manual Peak Response = 18162 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

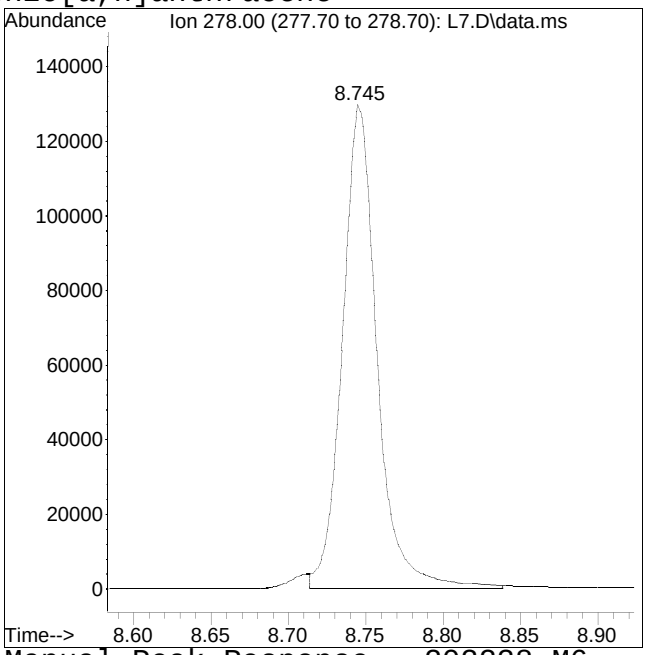
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L7.D
Date Inj'd : 10/25/2024 5:37 pm
Sample : IL7,32,, #10889 500 ng/ml
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 205749



Manual Peak Response = 202238 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L6.D
Acq On : 25 Oct 2024 05:55 pm
Operator : SV118:dv
Sample : IL6,32,, #10899 100 ng/ml
Misc : WG1990947,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 04 11:32:36 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:10 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.283	152	368408	4000.000	ng/ml	0.00
Standard Area 1 = 429824			Recovery = 85.71%			
8) Naphthalene-d8	2.946	136	1341604	4000.000	ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 85.22%			
17) Acenaphthene-d10	3.924	164	725196	4000.000	ng/ml	0.00
Standard Area 1 = 863987			Recovery = 83.94%			
22) Phenanthrene-d10	4.755	188	1514238M3	4000.000	ng/ml	0.00
Standard Area 1 = 1755380			Recovery = 86.26%			
31) Chrysene-d12	6.277	240	1564976	4000.000	ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 92.45%			
36) Perylene-d12	7.487	264	1629061	4000.000	ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 90.75%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.685	112	12084	116.014	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.80%#			
3) Phenol-d6	2.088	99	15040	117.507	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.88%#			
7) Nitrobenzene-d5	2.563	82	9820	118.838	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 11.88%#			
13) 2-Fluorobiphenyl	3.547	172	30432	117.971	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 11.80%#			
21) 2,4,6-Tribromophenol	4.362	330	3851	115.243	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.76%#			
30) 4-Terphenyl-d14	5.649	244	37131M3	119.846	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 11.98%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.146	93	18260	165.258	ng/ml#	74
5) n-nitrosodi-n-propylamine	2.482	70	9287	114.728	ng/ml	97
6) Hexachloroethane	2.543	117	5415	117.152	ng/ml	86
9) Naphthalene	2.958	128	41707	118.096	ng/ml	100
10) Hexachlorobutadiene	3.033	225	7480	119.332	ng/ml	100
11) 2-Methylnaphthalene	3.339	142	26657	117.843	ng/ml	98
12) 1-Methylnaphthalene	3.394	142	24903	118.334	ng/ml	98
14) 2-Chloronaphthalene	3.608	162	26807	118.074	ng/ml#	88
15) 2,6-Dinitrotoluene	3.802	165	2971	96.684	ng/ml#	80
16) Acenaphthylene	3.843	152	39466	117.425	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L6.D
Acq On : 25 Oct 2024 05:55 pm
Operator : SV118:dv
Sample : IL6,32,, #10899 100 ng/ml
Misc : WG1990947,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 04 11:32:36 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:10 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.941	153	28287	119.318	ng/ml	99
19) 2,4-Dinitrotoluene	4.027	165	3542	101.729	ng/ml#	80
20) Fluorene	4.228	166	30307	119.993	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.255	198	1566	104.281	ng/ml#	79
24) Hexachlorobenzene	4.542	284	11948	119.846	ng/ml	98
25) Pentachlorophenol	4.650	266	3167M3	85.405	ng/ml	
26) Phenanthrene	4.767	178	49338M6	120.024	ng/ml	
27) Anthracene	4.794	178	48360	119.878	ng/ml	100
28) Fluoranthene	5.434	202	55815	121.299	ng/ml#	91
29) Pyrene	5.562	202	58434	119.546	ng/ml	100
32) Benzo[a]anthracene	6.268	226	16481	107.535	ng/ml#	95
33) 3,3'-Dichlorobenzidine	6.252	252	18616	113.950	ng/ml	99
34) Chrysene	6.292	228	57463	121.720	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.289	149	27080	99.472	ng/ml	100
37) Benzo[b]fluoranthene	7.107	252	50155	119.417	ng/ml	99
38) Benzo[k]fluoranthene	7.131	252	54374	122.104	ng/ml	100
39) Benzo[a]pyrene	7.418	252	44315	119.429	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.705	276	40165	116.108	ng/ml#	88
41) Dibenzo[a,h]anthracene	8.741	278	42696M3	121.248	ng/ml	
42) Benzo[g,h,i]perylene	9.050	276	43194	119.114	ng/ml#	86

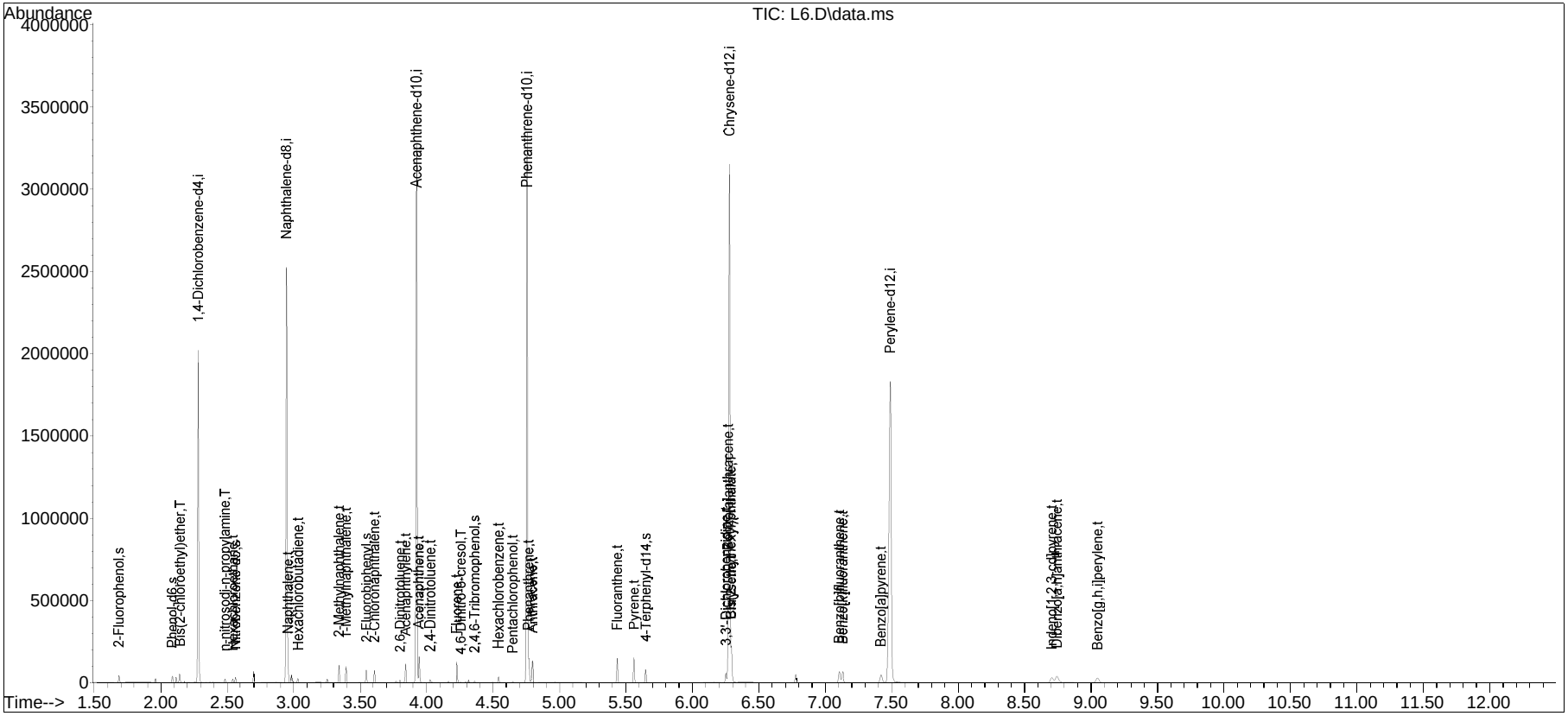
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L6.D
Acq On : 25 Oct 2024 05:55 pm
Operator : SV118:dv
Sample : IL6,32,, #10899 100 ng/ml
Misc : WG1990947,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 04 11:32:36 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:10 2024
Response via : Initial Calibration

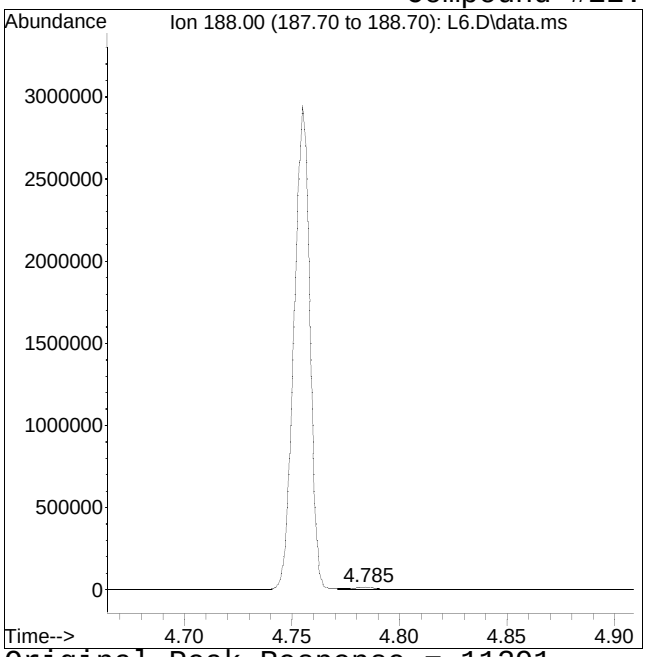
Sub List : Default - All compounds listedical\L8.D•

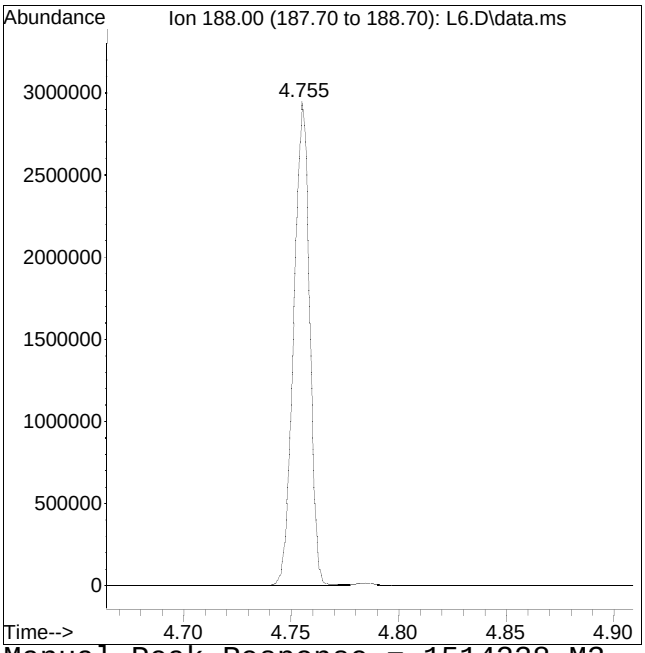


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L6.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:55 pm Instrument : SV118
Sample : IL6,32,, #10899 100 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #22: Phenanthrene-d10





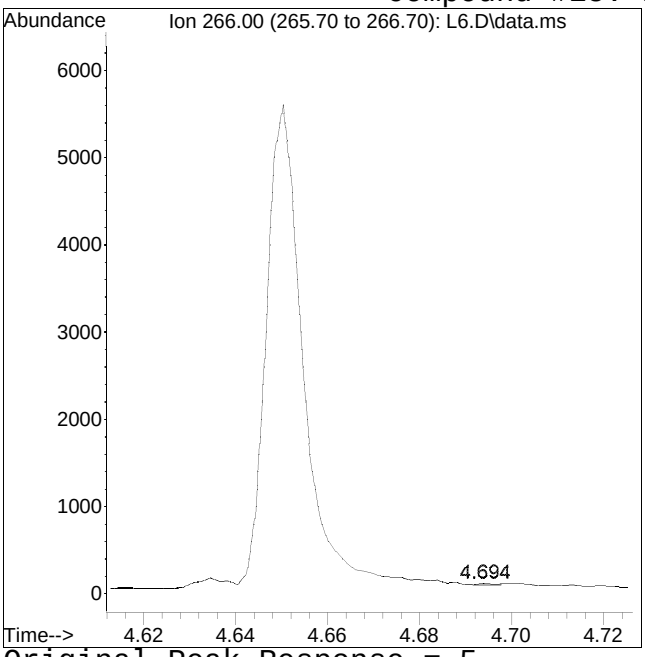
Original Peak Response = 11291 Manual Peak Response = 1514238 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

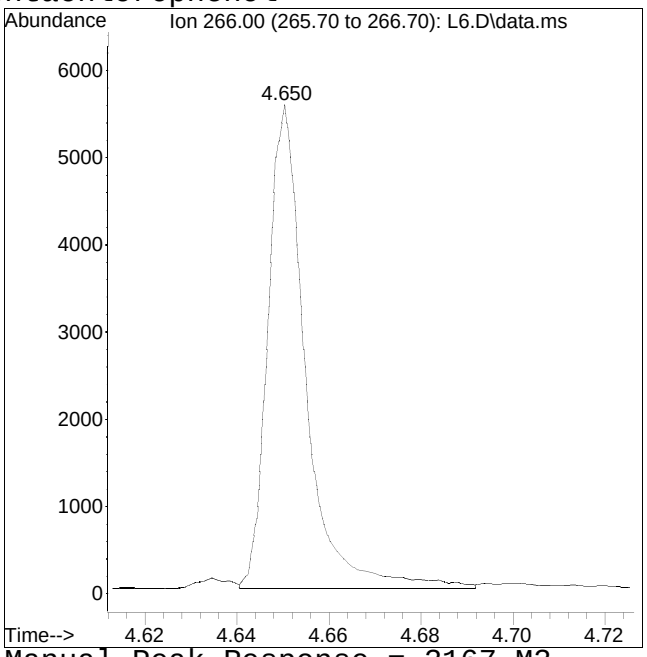
Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L6.D
Date Inj'd : 10/25/2024 5:55 pm
Sample : IL6,32,, #10899 100 ng/ml

Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:34 am

Compound #25: Pentachlorophenol



Original Peak Response = 5



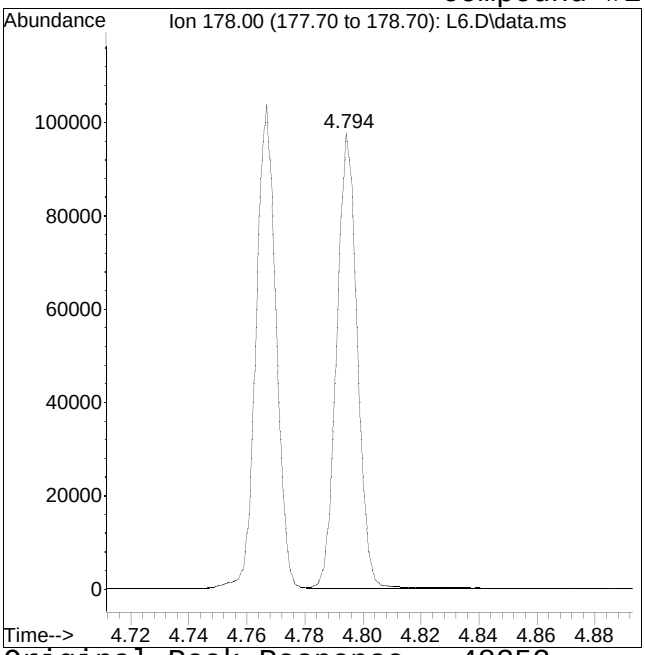
Manual Peak Response = 3167 M3

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.

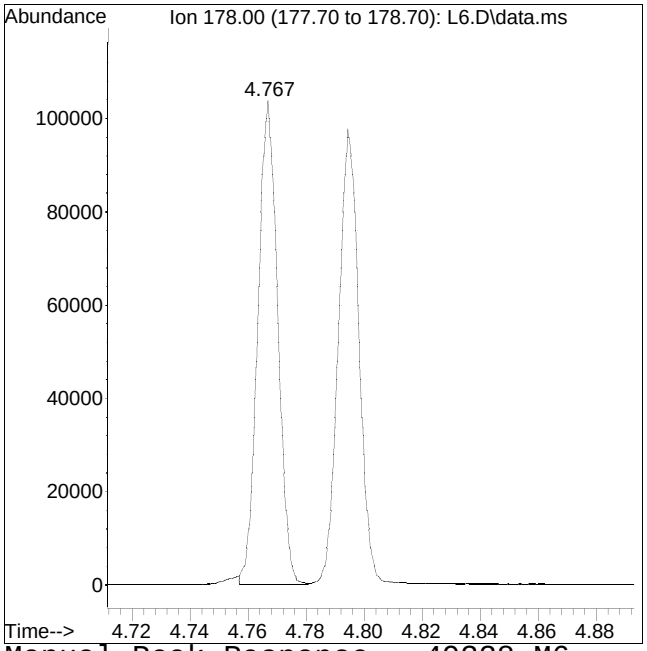
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L6.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:55 pm Instrument : SV118
Sample : IL6,32,, #10899 100 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #26: Phenanthrene



Original Peak Response = 48352



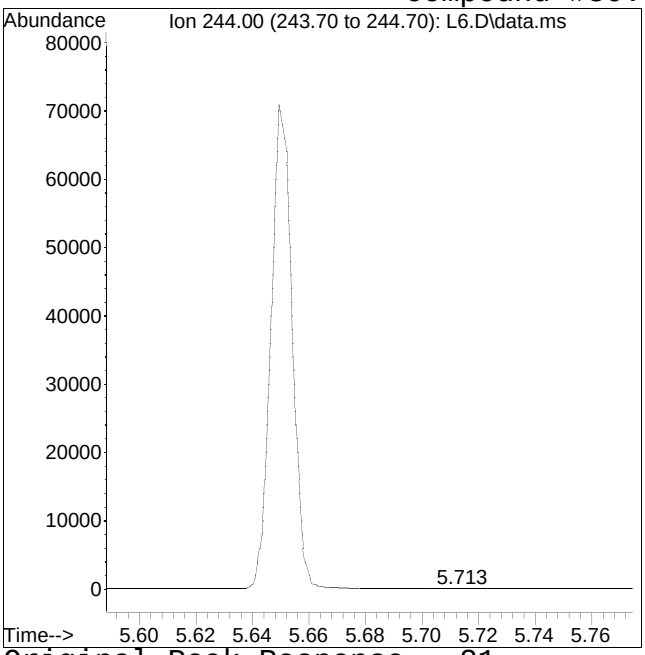
Manual Peak Response = 49338 M6

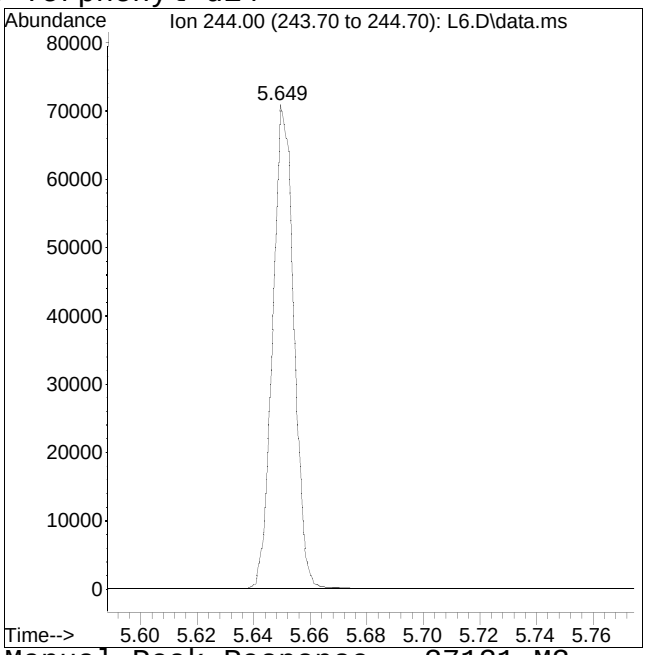
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L6.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:55 pm Instrument : SV118
Sample : IL6,32,, #10899 100 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #30: 4-Terphenyl-d14



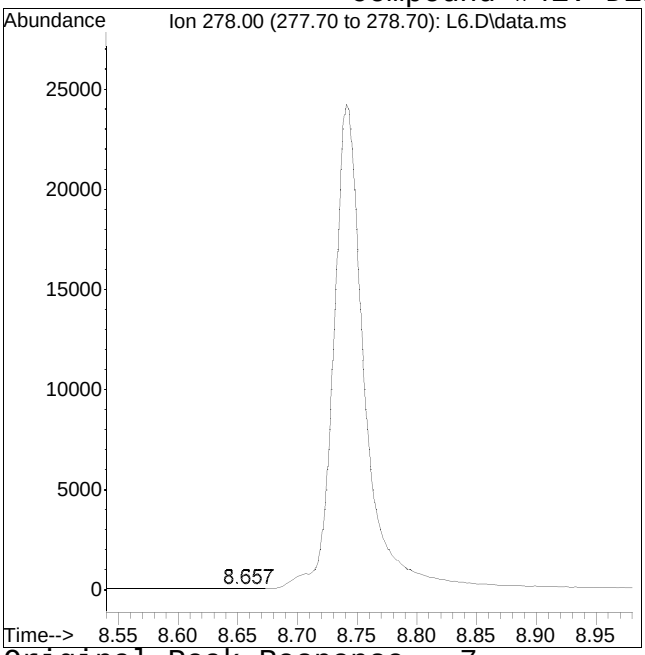


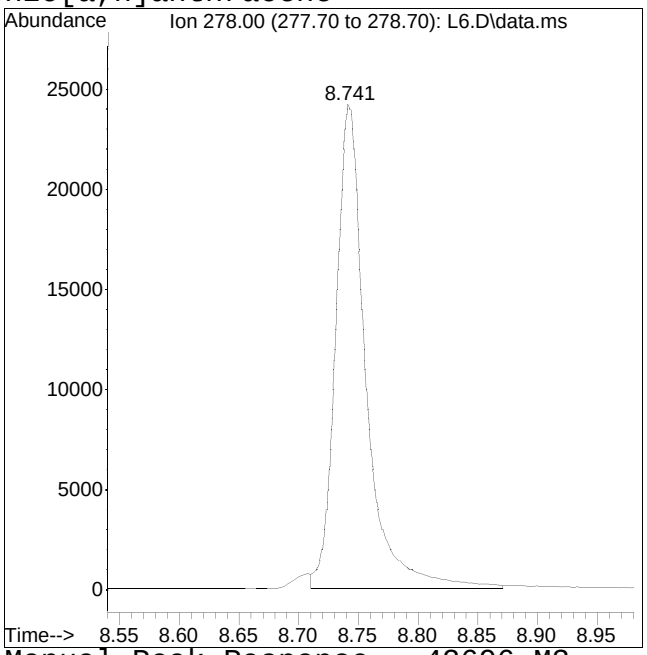
Original Peak Response = 21 Manual Peak Response = 37131 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L6.D Operator : SV118:dv
Date Inj'd : 10/25/2024 5:55 pm Instrument : SV118
Sample : IL6,32,, #10899 100 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #41: Dibenzo[a,h]anthracene





Original Peak Response = 7 Manual Peak Response = 42696 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:\8270SIM\SV118\2024\241025RVTical\
Data File : L5.D
Acq On : 25 Oct 2024 06:12 pm
Operator : SV118:dv
Sample : IL5,32,, #10891 40 ng/ml
Misc : WG1990947,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 04 11:32:30 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:03 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.286	152	350794	4000.000	ng/ml	0.00
Standard Area 1 = 429824			Recovery = 81.61%			
8) Naphthalene-d8	2.950	136	1270298	4000.000	ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 80.69%			
17) Acenaphthene-d10	3.925	164	679336	4000.000	ng/ml	0.00
Standard Area 1 = 863987			Recovery = 78.63%			
22) Phenanthrene-d10	4.757	188	1404763M3	4000.000	ng/ml	0.00
Standard Area 1 = 1755380			Recovery = 80.03%			
31) Chrysene-d12	6.279	240	1442435	4000.000	ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 85.21%			
36) Perylene-d12	7.488	264	1484437	4000.000	ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 82.69%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.686	112	3731	37.618	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.88%#			
3) Phenol-d6	2.088	99	4580	37.580	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.88%#			
7) Nitrobenzene-d5	2.563	82	2908	36.959	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.70%#			
13) 2-Fluorobiphenyl	3.547	172	9203	37.679	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.77%#			
21) 2,4,6-Tribromophenol	4.366	330	1070	34.182	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.71%#			
30) 4-Terphenyl-d14	5.652	244	10760	37.436	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.74%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.146	93	4217	38.226	ng/ml	94
5) n-nitrosodi-n-propylamine	2.485	70	2736	35.497	ng/ml	96
6) Hexachloroethane	2.546	117	1648	37.444	ng/ml	87
9) Naphthalene	2.958	128	12776	38.207	ng/ml	98
10) Hexachlorobutadiene	3.033	225	2307	38.871	ng/ml	100
11) 2-Methylnaphthalene	3.343	142	8074	37.696	ng/ml	97
12) 1-Methylnaphthalene	3.397	142	7553	37.905	ng/ml	99
14) 2-Chloronaphthalene	3.612	162	8084	37.606	ng/ml	88
15) 2,6-Dinitrotoluene	3.803	165	841	28.905	ng/ml#	80
16) Acenaphthylene	3.844	152	11676	36.690	ng/ml	100
18) Acenaphthene	3.942	153	8420	37.914	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L5.D
Acq On : 25 Oct 2024 06:12 pm
Operator : SV118:dv
Sample : IL5,32,, #10891 40 ng/ml
Misc : WG1990947,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 04 11:32:30 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:03 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.029	165	929	46.482	ng/ml#	83
20) Fluorene	4.228	166	8892	37.582	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.255	198	398	46.224	ng/ml	89
24) Hexachlorobenzene	4.544	284	3484	37.670	ng/ml	97
25) Pentachlorophenol	4.652	266	1183M6	34.388	ng/ml	
26) Phenanthrene	4.769	178	14592M3	38.264	ng/ml	
27) Anthracene	4.796	178	14074	37.606	ng/ml	100
28) Fluoranthene	5.437	202	16065M6	37.634	ng/ml	
29) Pyrene	5.562	202	16815	37.081	ng/ml	100
32) Benzo[a]anthracene	6.270	226	4816	34.093	ng/ml#	70
33) 3,3'-Dichlorobenzidine	6.253	252	4908	32.594	ng/ml	99
34) Chrysene	6.292	228	16771	38.543	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.289	149	7113	28.348	ng/ml	92
37) Benzo[b]fluoranthene	7.108	252	13512	35.306	ng/ml	99
38) Benzo[k]fluoranthene	7.132	252	15077	37.156	ng/ml	97
39) Benzo[a]pyrene	7.422	252	11885	35.151	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.709	276	10333	32.781	ng/ml#	86
41) Dibenzo[a,h]anthracene	8.745	278	10810M6	33.689	ng/ml	
42) Benzo[g,h,i]perylene	9.054	276	11799	35.708	ng/ml#	89

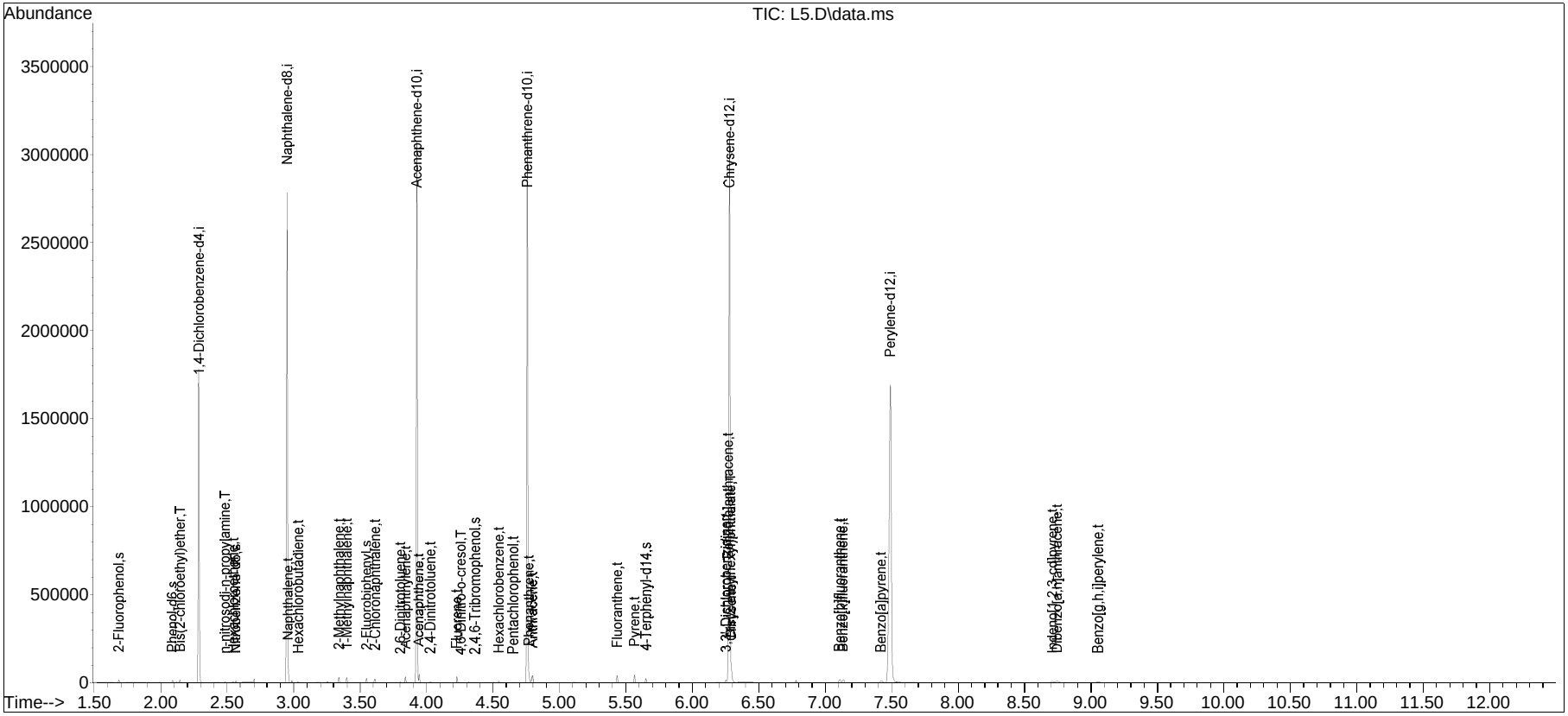
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L5.D
Acq On : 25 Oct 2024 06:12 pm
Operator : SV118:dv
Sample : IL5,32,, #10891 40 ng/ml
Misc : WG1990947,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 04 11:32:30 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:34:03 2024
Response via : Initial Calibration

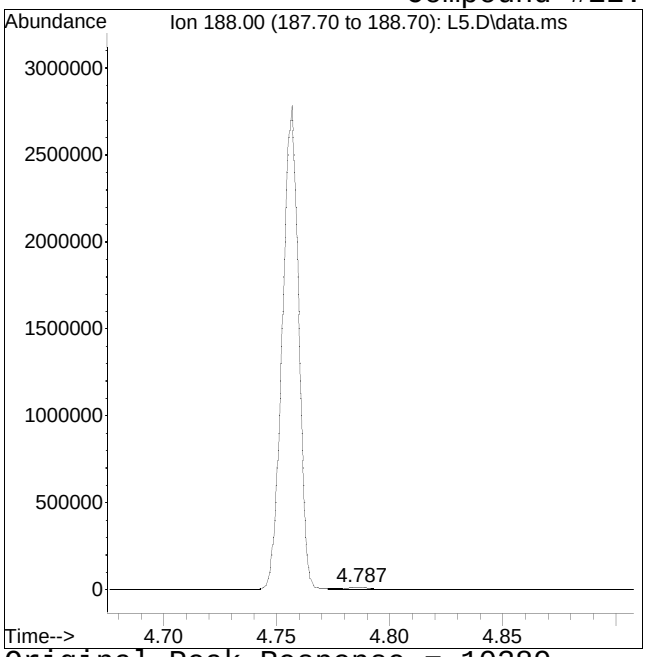
Sub List : Default - All compounds listedical\L8.D•

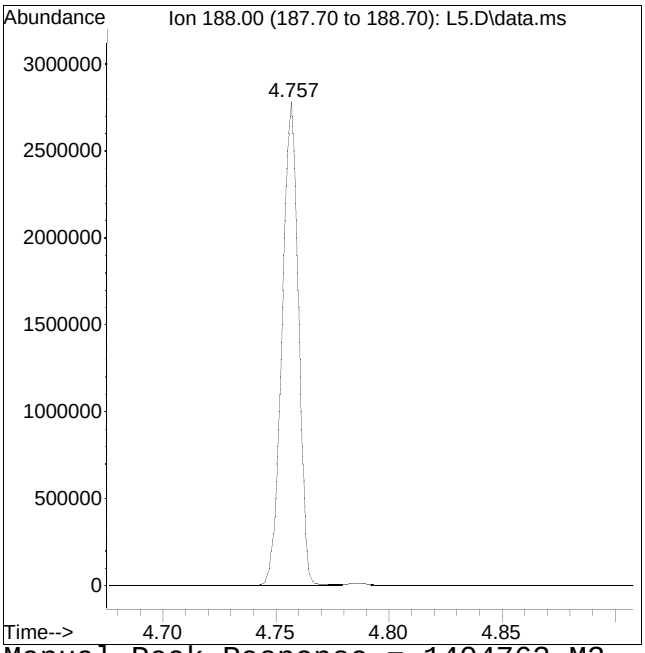


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L5.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:12 pm Instrument : SV118
Sample : IL5,32,, #10891 40 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #22: Phenanthrene-d10



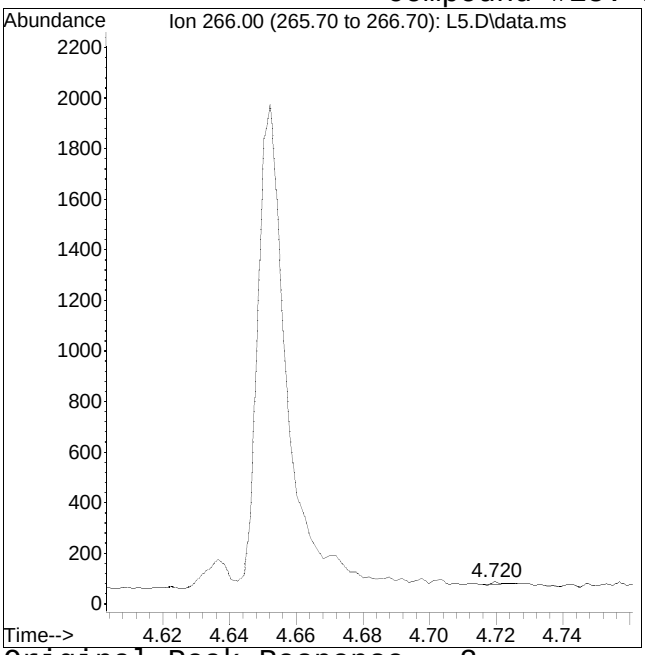


Original Peak Response = 10389 Manual Peak Response = 1404763 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

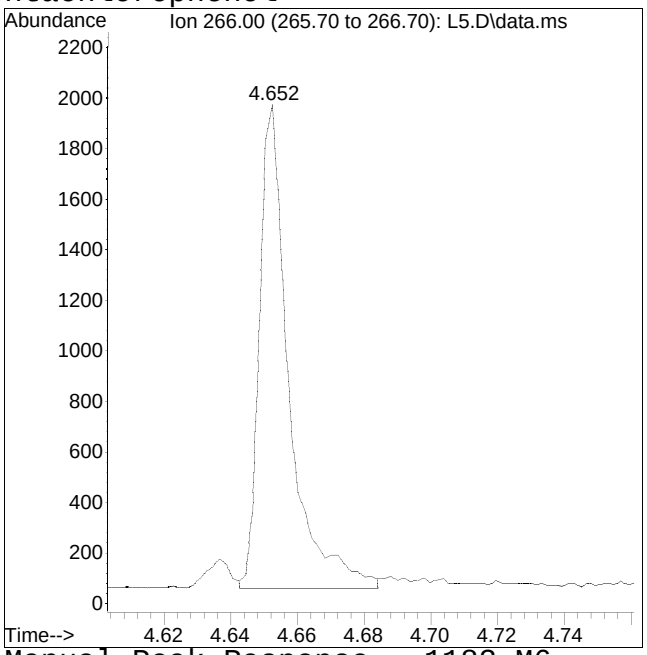
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L5.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:12 pm Instrument : SV118
Sample : IL5,32,, #10891 40 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #25: Pentachlorophenol



Original Peak Response = 2



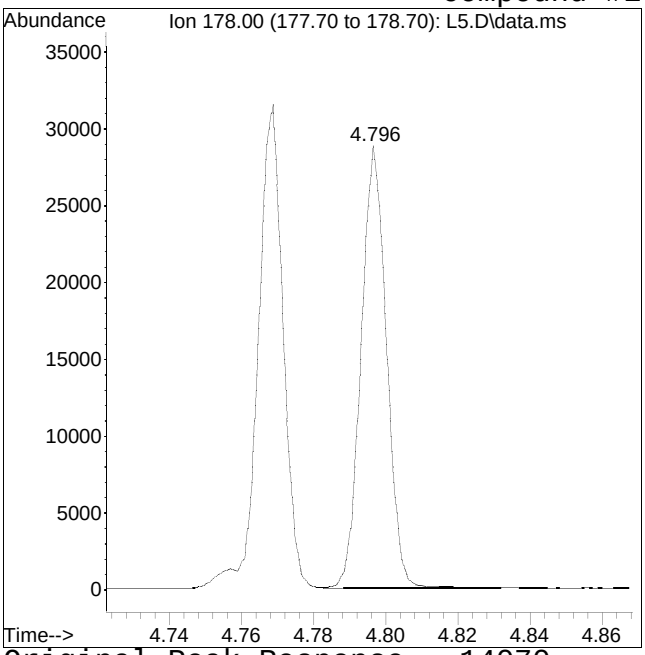
Manual Peak Response = 1183 M6

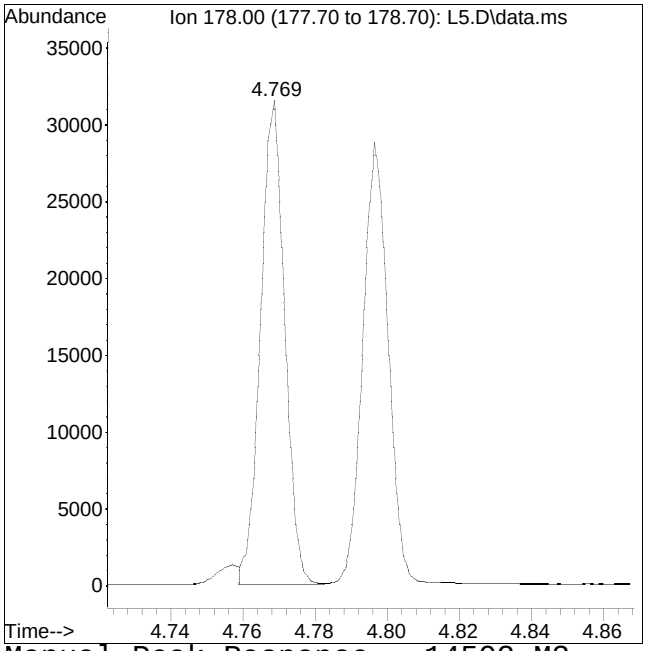
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L5.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:12 pm Instrument : SV118
Sample : IL5,32,, #10891 40 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #26: Phenanthrene



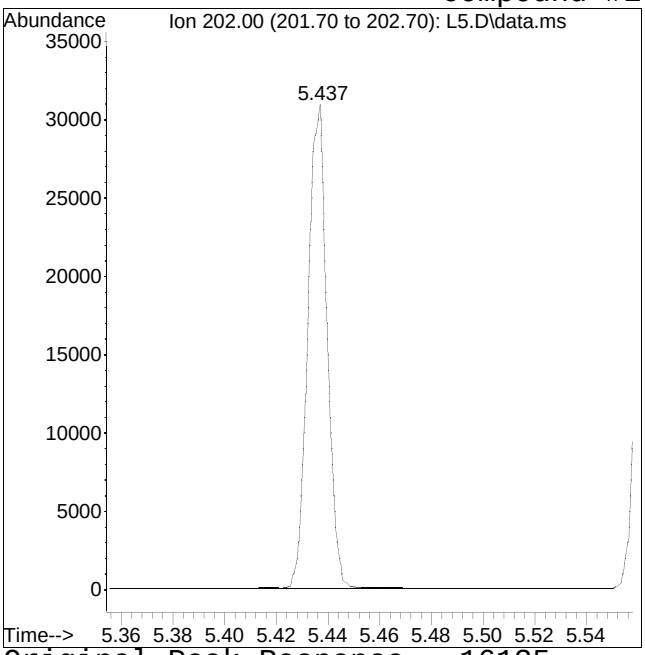


Original Peak Response = 14070 Manual Peak Response = 14592 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

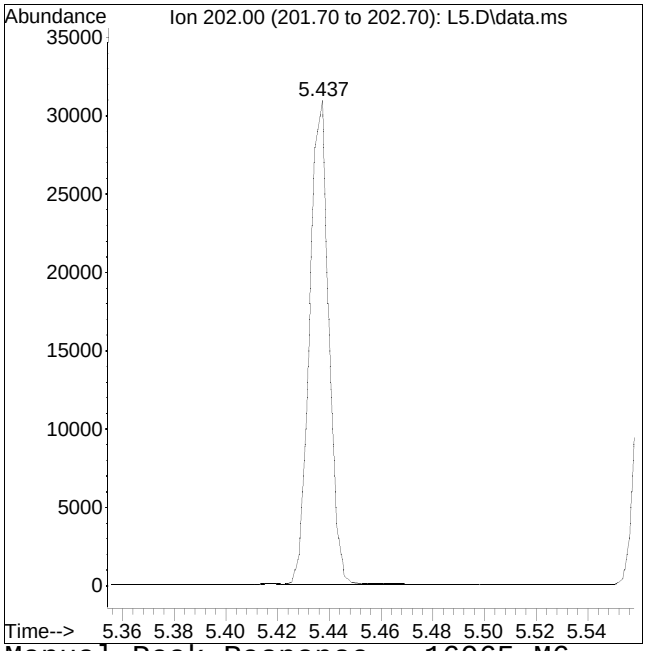
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L5.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:12 pm Instrument : SV118
Sample : IL5,32,, #10891 40 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #28: Fluoranthene



Original Peak Response = 16135



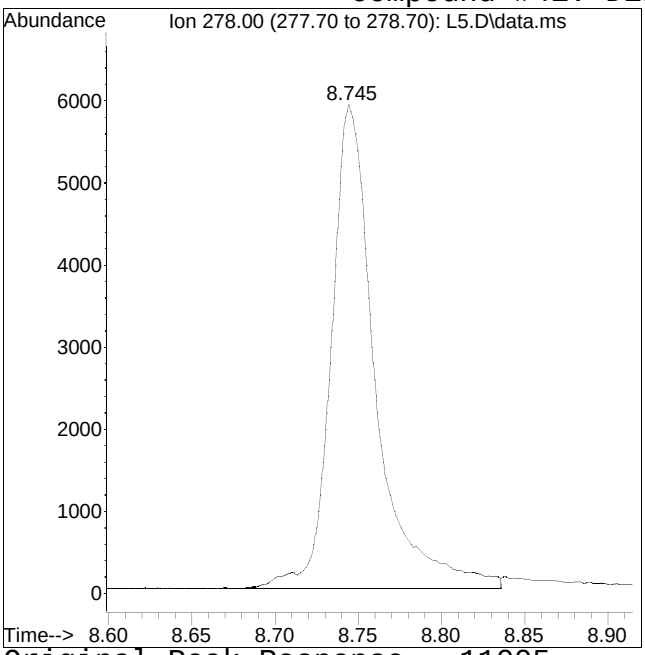
Manual Peak Response = 16065 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

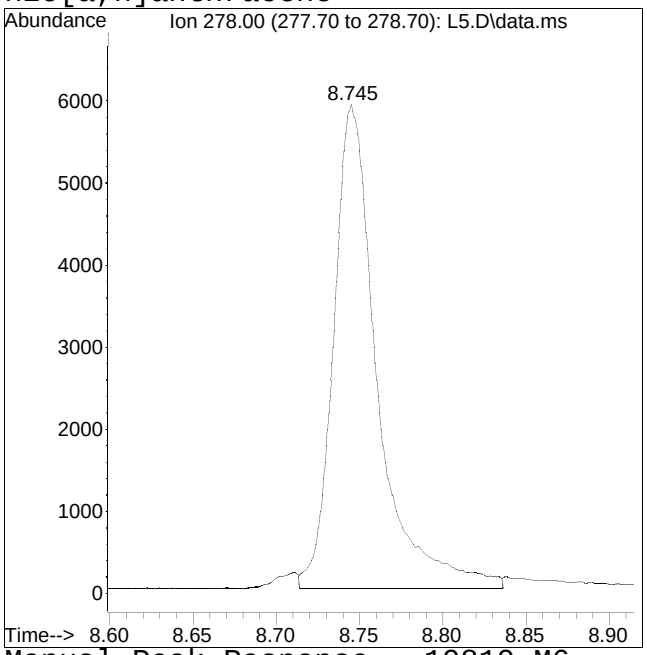
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L5.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:12 pm Instrument : SV118
Sample : IL5,32,, #10891 40 ng/ml Quant Date : 12/4/2024 11:34 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 11005



Manual Peak Response = 10810 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L4.D
Acq On : 25 Oct 2024 06:29 pm
Operator : SV118:dv
Sample : IL4,32,, #10892 10 ng/ml
Misc : WG1990947,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 04 11:32:23 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:55 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.282	152	284775	4000.000	ng/ml	0.00
Standard Area 1 = 429824			Recovery = 66.25%			
8) Naphthalene-d8	2.950	136	1020186	4000.000	ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 64.80%			
17) Acenaphthene-d10	3.927	164	546734	4000.000	ng/ml	0.00
Standard Area 1 = 863987			Recovery = 63.28%			
22) Phenanthrene-d10	4.757	188	1133012M3	4000.000	ng/ml	0.00
Standard Area 1 = 1755380			Recovery = 64.55%			
31) Chrysene-d12	6.278	240	1188422	4000.000	ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 70.21%			
36) Perylene-d12	7.487	264	1231399	4000.000	ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 68.59%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.680	112	754	9.365	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.47%#			
3) Phenol-d6	2.088	99	932	9.420	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.47%#			
7) Nitrobenzene-d5	2.563	82	585	9.159	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.92%#			
13) 2-Fluorobiphenyl	3.547	172	1855	9.457	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.95%#			
21) 2,4,6-Tribromophenol	4.366	330	211	8.375	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.42%#			
30) 4-Terphenyl-d14	5.653	244	2112M3	9.110	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.91%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.146	93	863	7.805	ng/ml	94
5) n-nitrosodi-n-propylamine	2.484	70	573	9.157	ng/ml	97
6) Hexachloroethane	2.546	117	340	9.516	ng/ml	89
9) Naphthalene	2.962	128	2659M7	9.901	ng/ml	
10) Hexachlorobutadiene	3.033	225	463	9.714	ng/ml	97
11) 2-Methylnaphthalene	3.342	142	1637	9.517	ng/ml	98
12) 1-Methylnaphthalene	3.397	142	1490	9.311	ng/ml	95
14) 2-Chloronaphthalene	3.611	162	1615	9.355	ng/ml#	85
15) 2,6-Dinitrotoluene	3.802	165	217M4	9.287	ng/ml	
16) Acenaphthylene	3.845	152	2296	8.984	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L4.D
Acq On : 25 Oct 2024 06:29 pm
Operator : SV118:dv
Sample : IL4,32,, #10892 10 ng/ml
Misc : WG1990947,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 04 11:32:23 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:55 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.943	153	1721	9.629	ng/ml	98
19) 2,4-Dinitrotoluene	4.030	165	174	29.998	ng/ml#	88
20) Fluorene	4.232	166	1782	9.358	ng/ml	95
23) 4,6-Dinitro-o-cresol	4.260	198	56M6	28.139	ng/ml	
24) Hexachlorobenzene	4.544	284	719	9.639	ng/ml	98
25) Pentachlorophenol	4.655	266	220M3	7.929	ng/ml	
26) Phenanthrene	4.769	178	2970M3	9.656	ng/ml	
27) Anthracene	4.799	178	2813M4	9.319	ng/ml	
28) Fluoranthene	5.437	202	3196M3	9.283	ng/ml	
29) Pyrene	5.565	202	3386M3	9.258	ng/ml	
32) Benzo[a]anthracene	6.271	226	1220	10.482	ng/ml#	8
33) 3,3'-Dichlorobenzidine	6.253	252	945	7.617	ng/ml#	98
34) Chrysene	6.293	228	3361M4	9.375	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.288	149	2112M6	10.216	ng/ml	
37) Benzo[b]fluoranthene	7.109	252	2756	8.681	ng/ml	99
38) Benzo[k]fluoranthene	7.133	252	2927	8.696	ng/ml	97
39) Benzo[a]pyrene	7.421	252	2377	8.475	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	8.708	276	2088	7.985	ng/ml#	86
41) Dibenzo[a,h]anthracene	8.746	278	2021M1	7.593	ng/ml	
42) Benzo[g,h,i]perylene	9.053	276	2317	8.453	ng/ml#	85

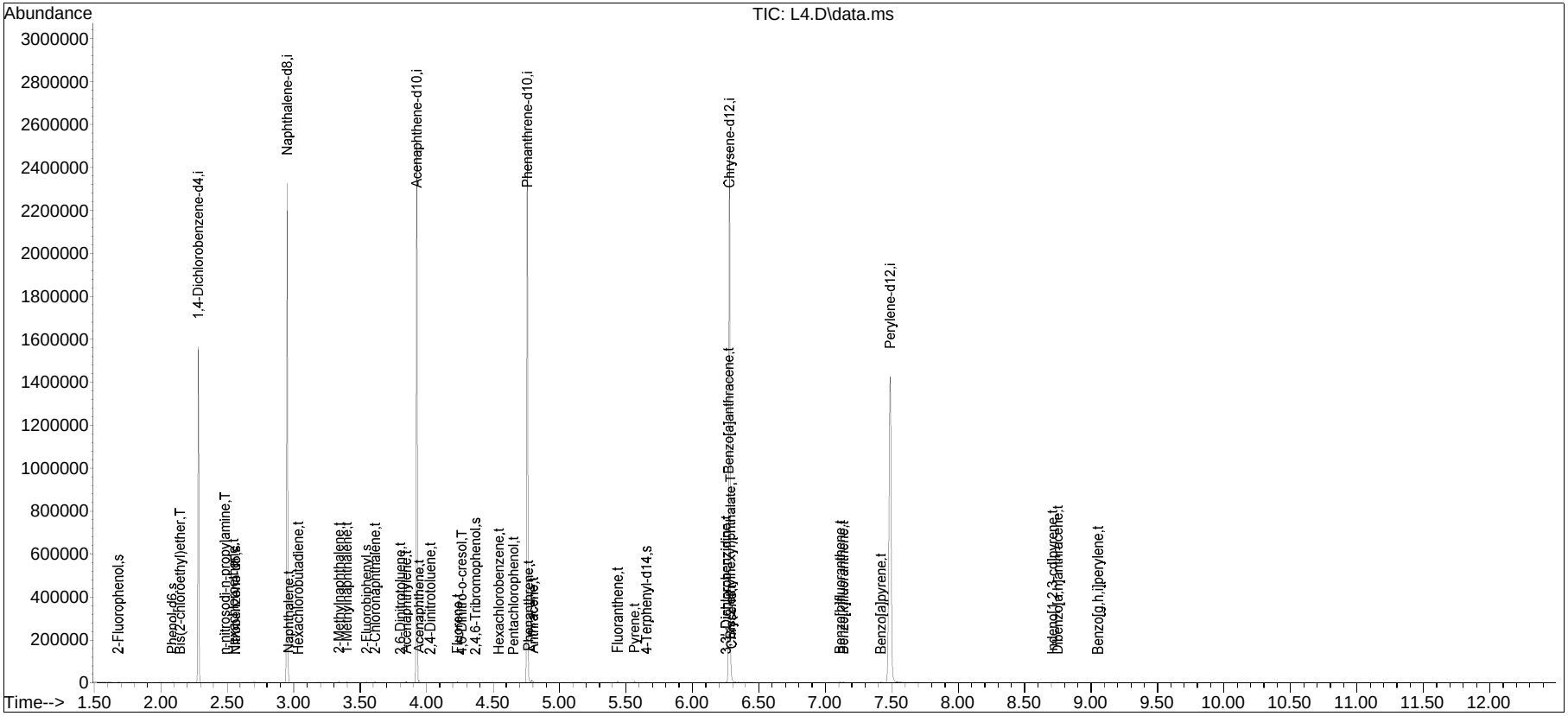
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L4.D
Acq On : 25 Oct 2024 06:29 pm
Operator : SV118:dv
Sample : IL4,32,, #10892 10 ng/ml
Misc : WG1990947,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 04 11:32:23 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:55 2024
Response via : Initial Calibration

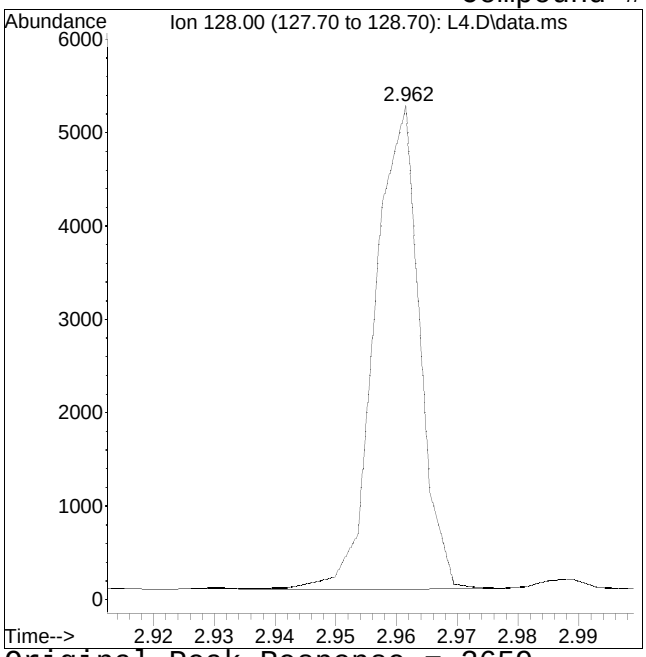
Sub List : Default - All compounds listedical\L8.D•

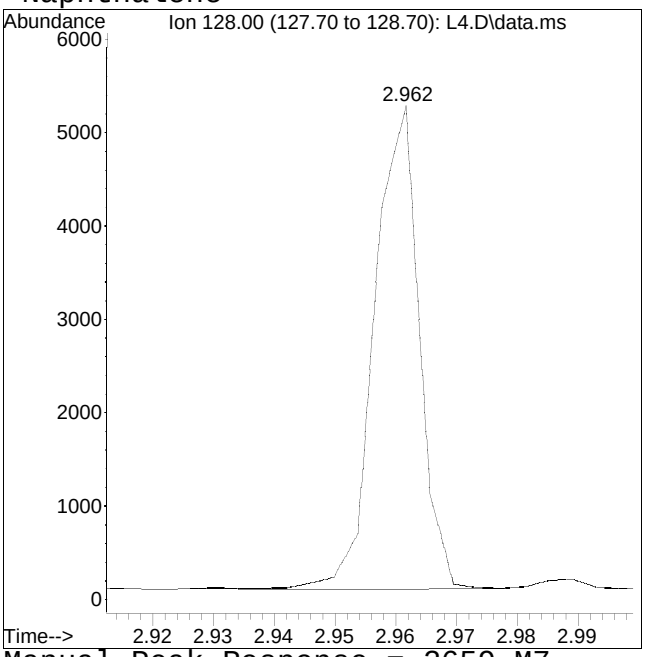


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #9: Naphthalene



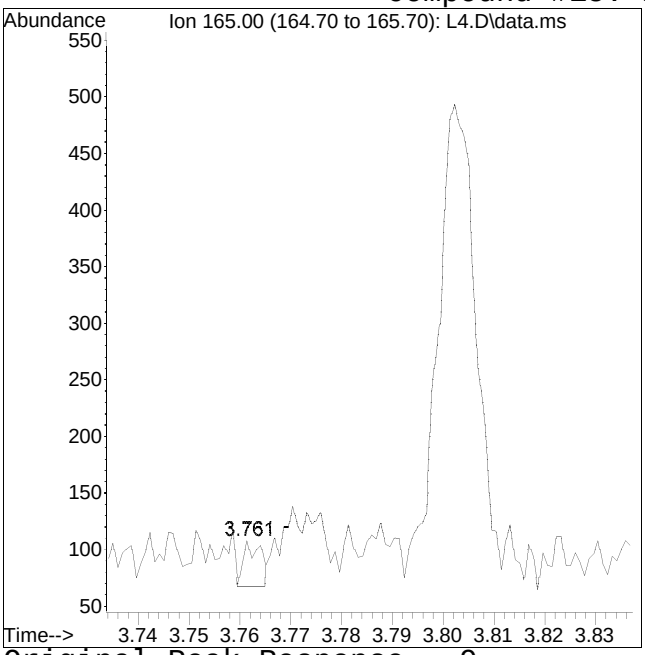


Original Peak Response = 2659 Manual Peak Response = 2659 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

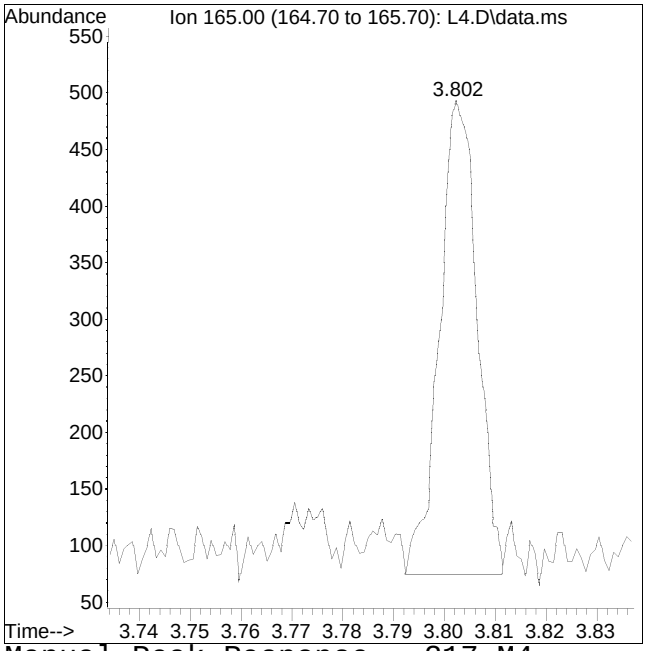
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 9



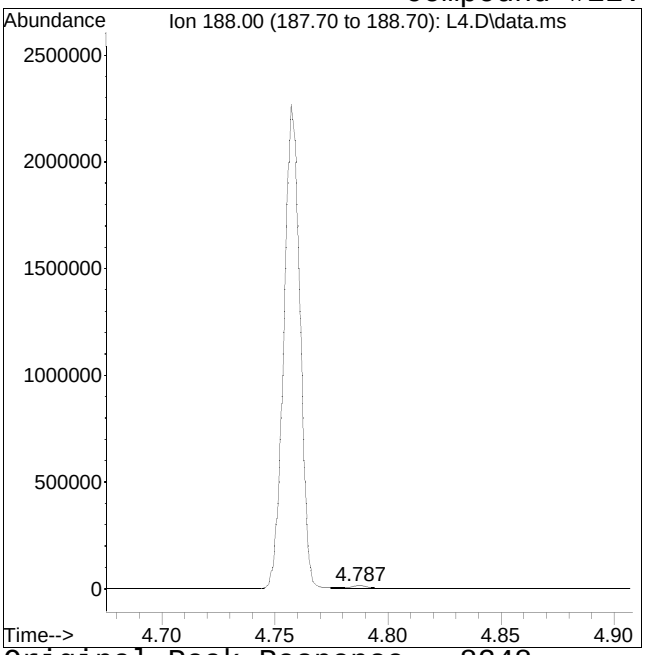
Manual Peak Response = 217 M4

M4 = Poor automated baseline construction.

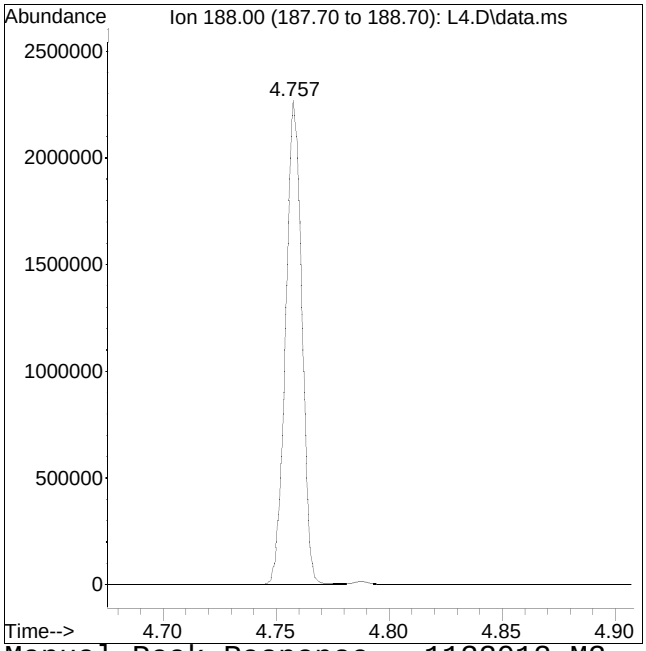
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #22: Phenanthrene-d10



Original Peak Response = 8248



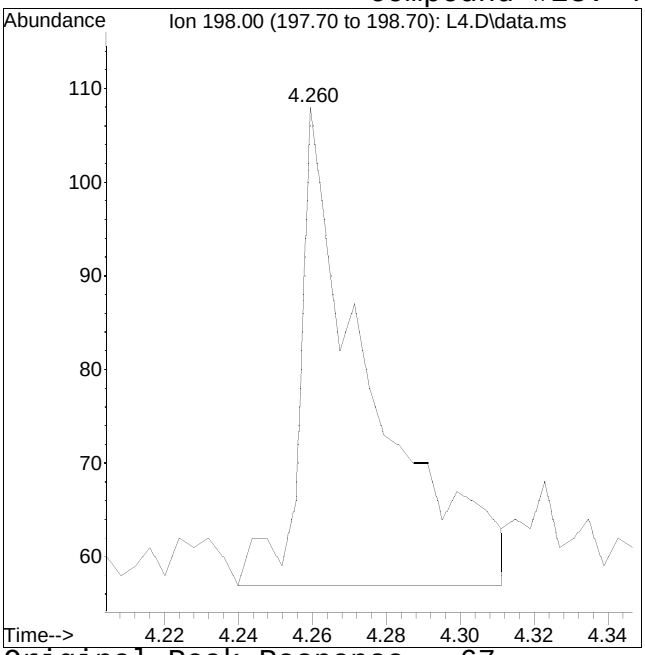
Manual Peak Response = 1133012 M3

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.

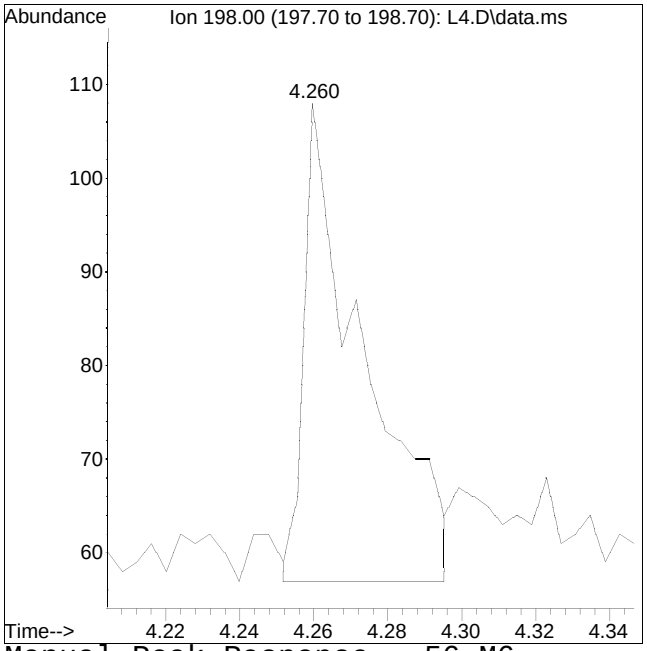
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : L4.D
Date Inj'd : 10/25/2024 6:29 pm
Sample : IL4,32,, #10892 10 ng/ml
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:33 am

Compound #23: 4,6-Dinitro-o-cresol



Original Peak Response = 67



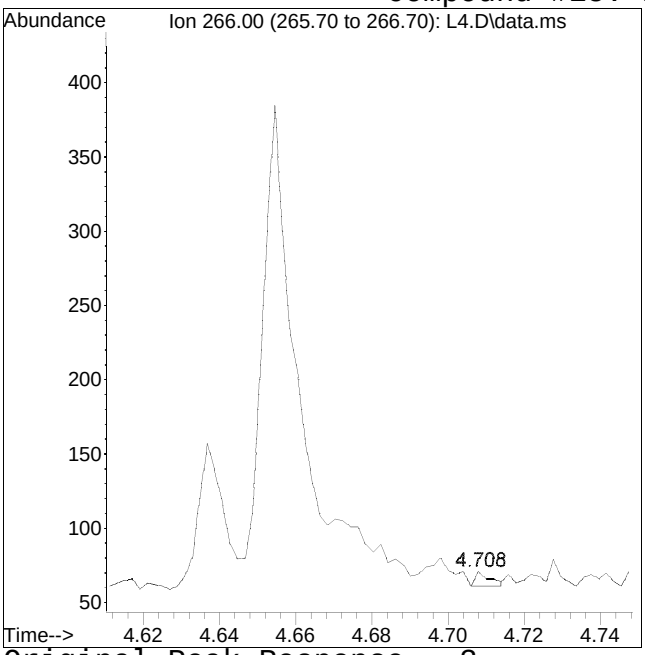
Manual Peak Response = 56 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

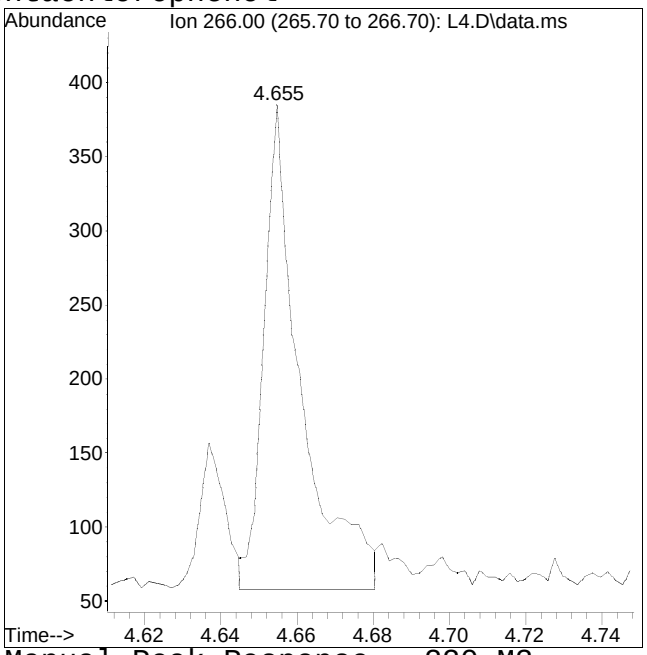
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #25: Pentachlorophenol



Original Peak Response = 3



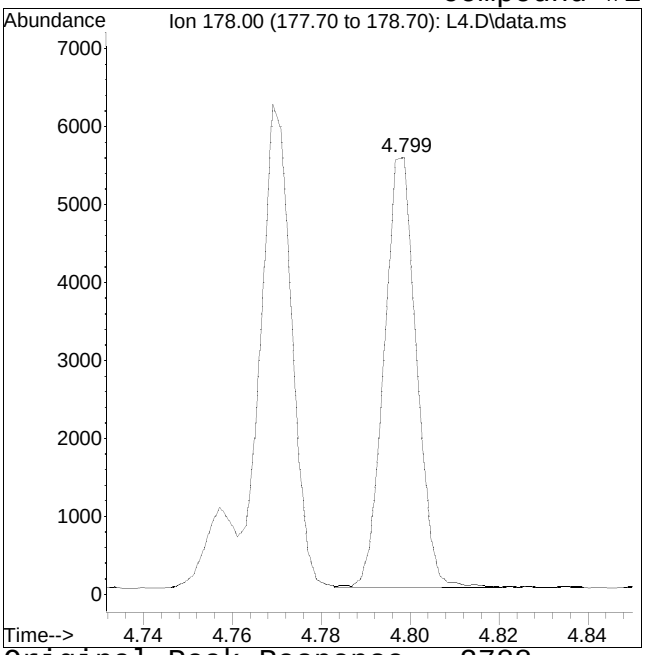
Manual Peak Response = 220 M3

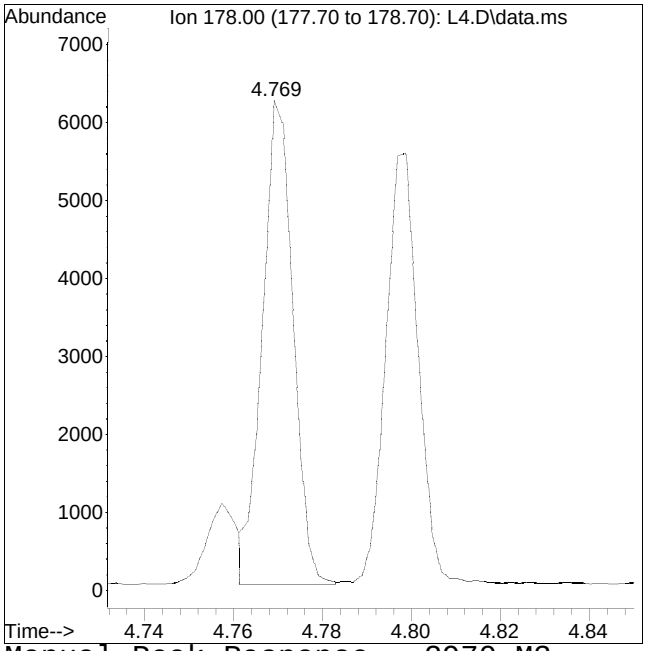
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #26: Phenanthrene



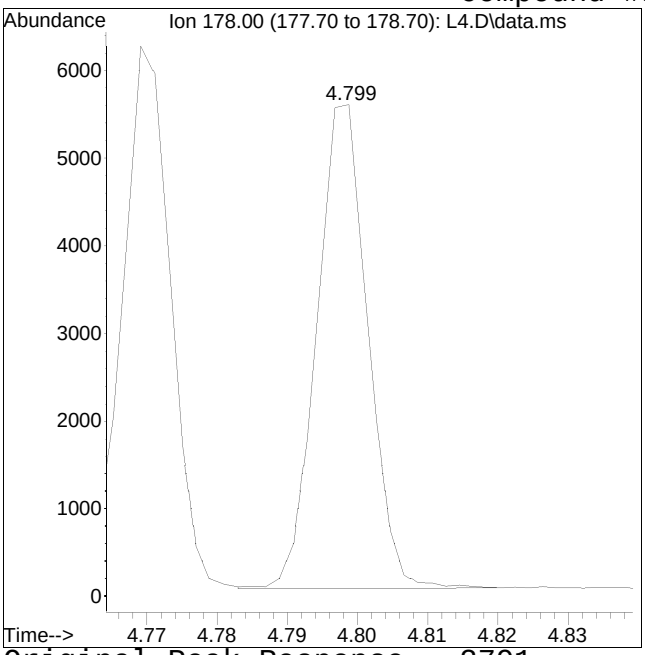


Original Peak Response = 2788 Manual Peak Response = 2970 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

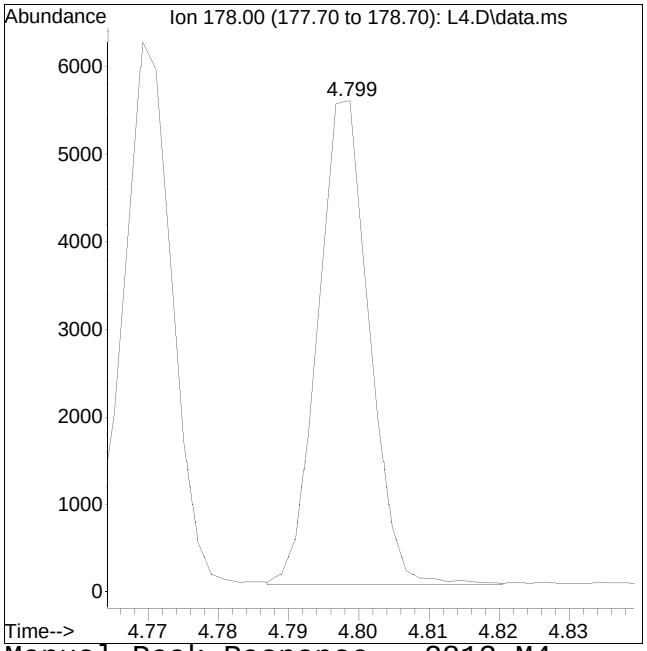
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #27: Anthracene



Original Peak Response = 2791



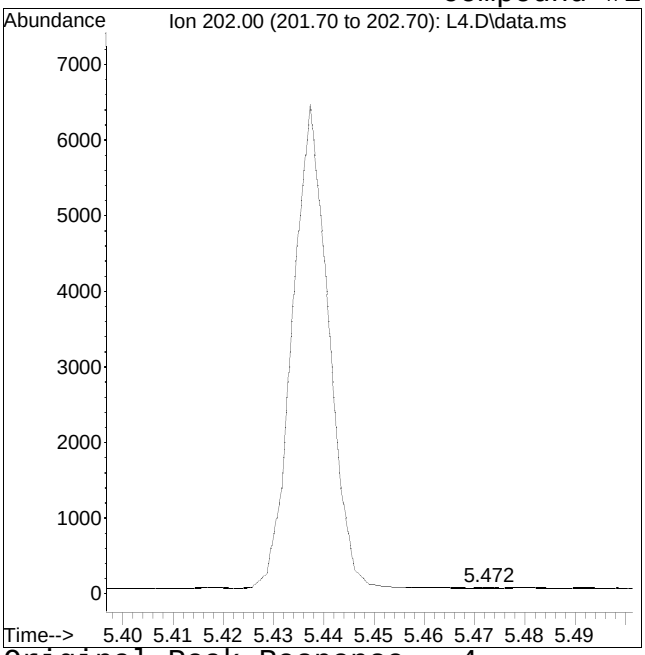
Manual Peak Response = 2813 M4

M4 = Poor automated baseline construction.

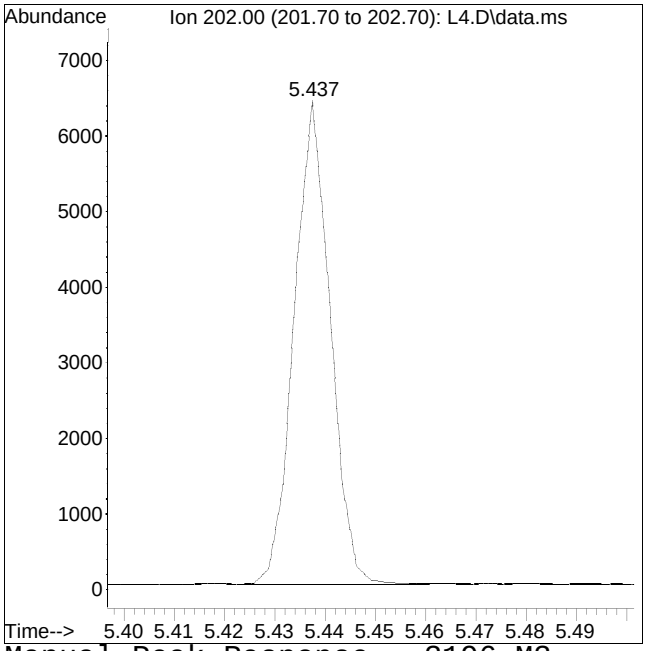
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #28: Fluoranthene



Original Peak Response = 4



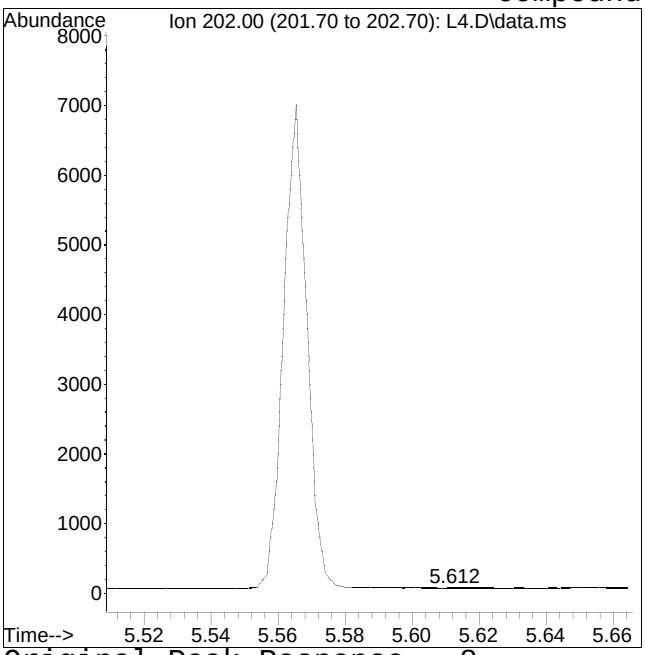
Manual Peak Response = 3196 M3

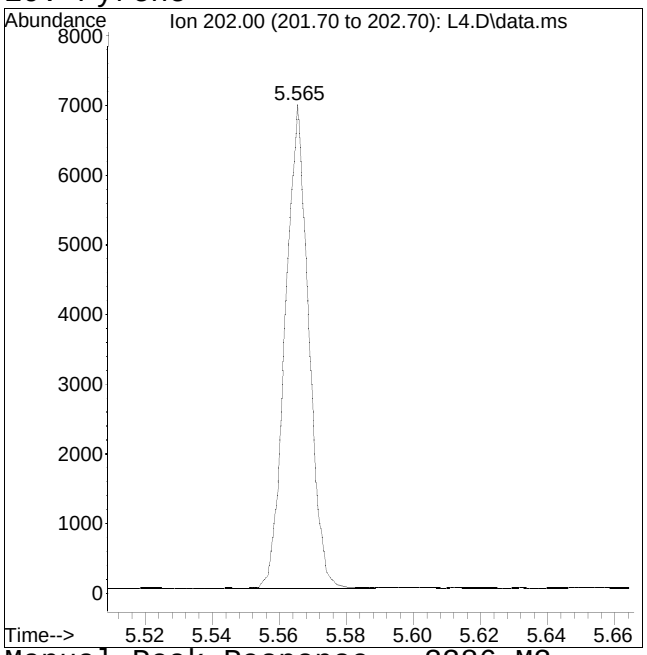
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #29: Pyrene





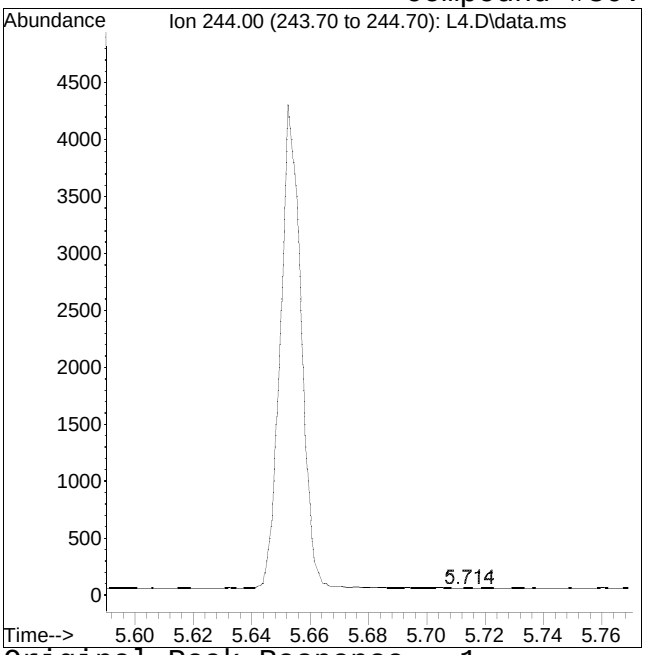
Original Peak Response = 8 Manual Peak Response = 3386 M3

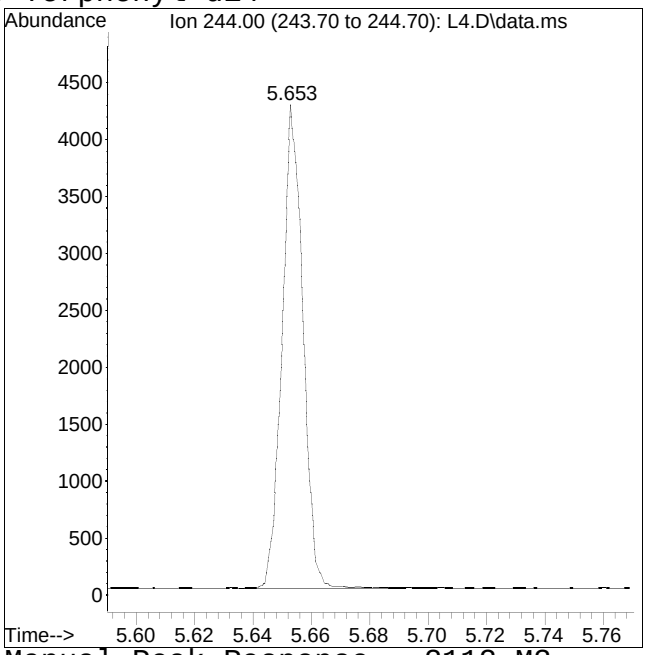
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #30: 4-Terphenyl-d14





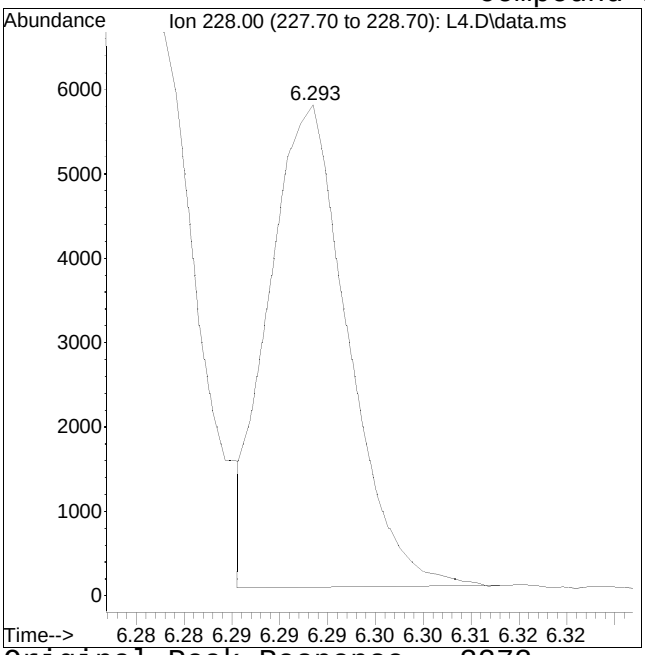
Original Peak Response = 1 Manual Peak Response = 2112 M3

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.

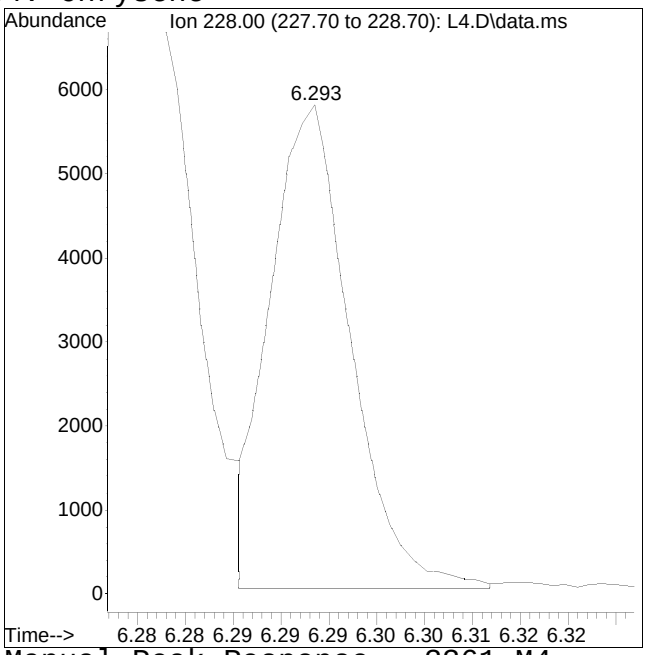
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #34: Chrysene



Original Peak Response = 3272



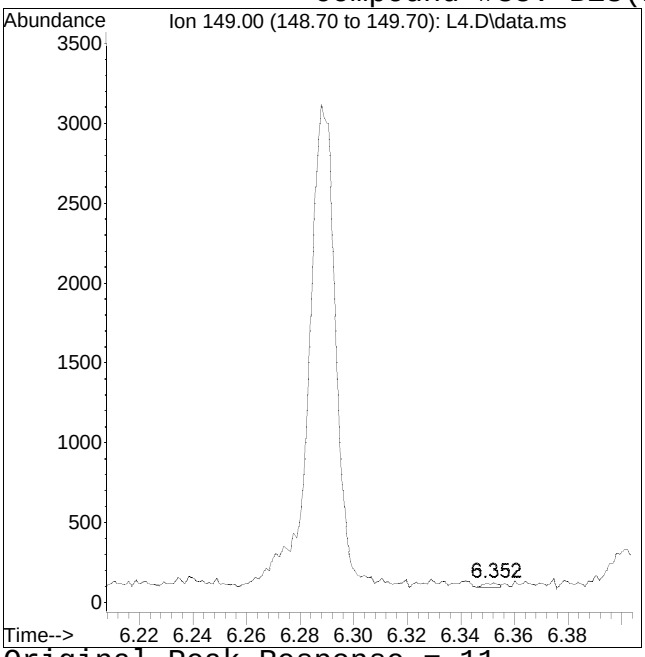
Manual Peak Response = 3361 M4

M4 = Poor automated baseline construction.

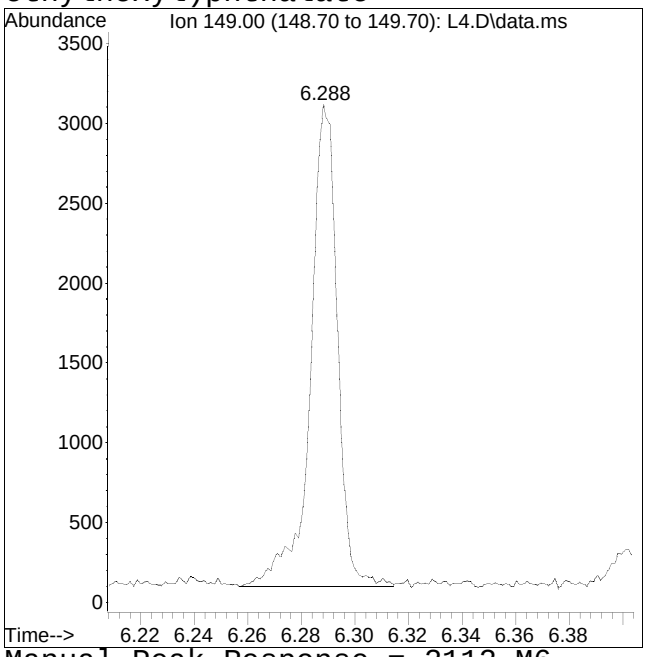
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #35: Bis(2-ethylhexyl)phthalate



Original Peak Response = 11



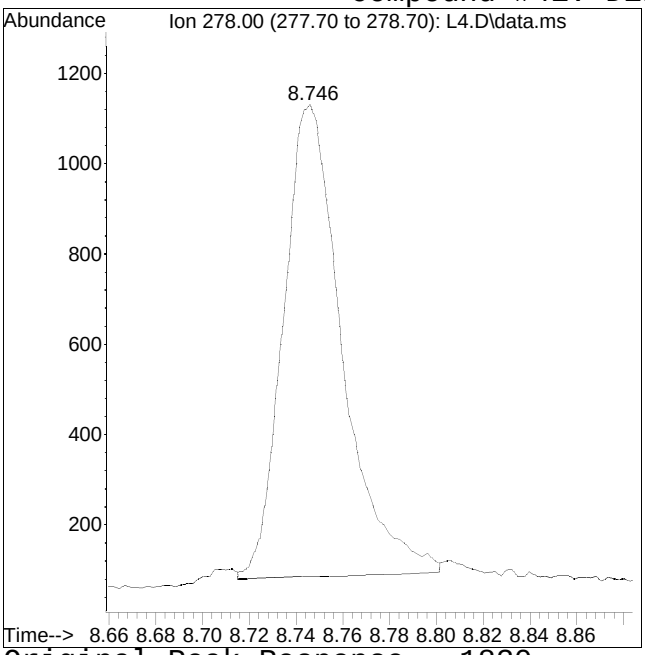
Manual Peak Response = 2112 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

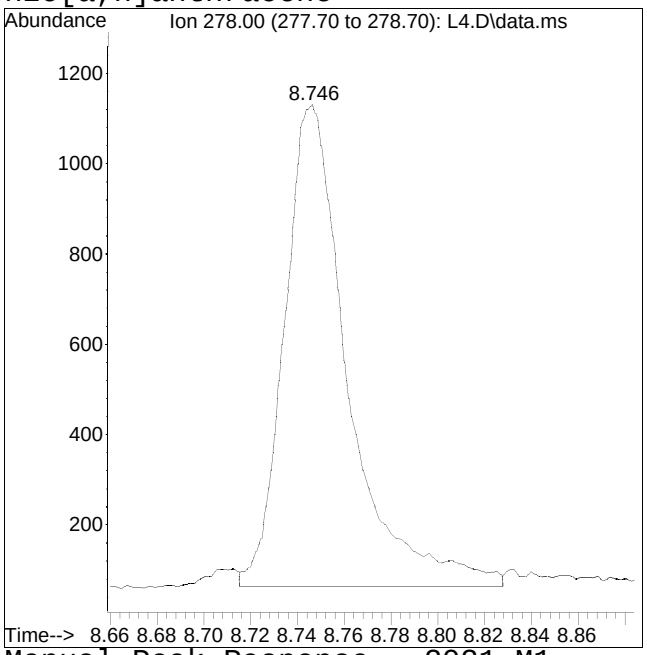
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L4.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:29 pm Instrument : SV118
Sample : IL4,32,, #10892 10 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1830



Manual Peak Response = 2021 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L3.D
Acq On : 25 Oct 2024 06:46 pm
Operator : SV118:dv
Sample : IL3,32,, #10893 5 ng/ml
Misc : WG1990947,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 04 11:32:15 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.286	152	408539	4000.000	ng/ml	0.00
Standard Area 1 = 429824			Recovery = 95.05%			
8) Naphthalene-d8	2.950	136	1470923	4000.000	ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 93.43%			
17) Acenaphthene-d10	3.927	164	796441	4000.000	ng/ml	0.00
Standard Area 1 = 863987			Recovery = 92.18%			
22) Phenanthrene-d10	4.759	188	1650601M3	4000.000	ng/ml	0.00
Standard Area 1 = 1755380			Recovery = 94.03%			
31) Chrysene-d12	6.280	240	1720270	4000.000	ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 101.63%			
36) Perylene-d12	7.491	264	1776982	4000.000	ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 98.99%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.690	112	556	4.814	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
3) Phenol-d6	2.091	99	679	4.784	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
7) Nitrobenzene-d5	2.566	82	414	4.518	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.45%#			
13) 2-Fluorobiphenyl	3.547	172	1387	4.904	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.49%#			
21) 2,4,6-Tribromophenol	4.366	330	169	4.605	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.23%#			
30) 4-Terphenyl-d14	5.652	244	1666M3	4.933	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.49%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.149	93	655	2.976	ng/ml	94
5) n-nitrosodi-n-propylamine	2.487	70	432	4.813	ng/ml	97
6) Hexachloroethane	2.546	117	262	5.112	ng/ml	82
9) Naphthalene	2.962	128	2003M7	5.173	ng/ml	
10) Hexachlorobutadiene	3.037	225	354	5.151	ng/ml	99
11) 2-Methylnaphthalene	3.343	142	1228	4.951	ng/ml	97
12) 1-Methylnaphthalene	3.397	142	1145	4.962	ng/ml	98
14) 2-Chloronaphthalene	3.612	162	1239	4.978	ng/ml#	85
15) 2,6-Dinitrotoluene	3.805	165	178M4	5.283	ng/ml	
16) Acenaphthylene	3.846	152	1751	4.752	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L3.D
Acq On : 25 Oct 2024 06:46 pm
Operator : SV118:dv
Sample : IL3,32,, #10893 5 ng/ml
Misc : WG1990947,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 04 11:32:15 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.945	153	1330	5.108	ng/ml	95
19) 2,4-Dinitrotoluene	4.032	165	158M4	28.115	ng/ml	
20) Fluorene	4.232	166	1333	4.806	ng/ml	94
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.546	284	532M3	4.895	ng/ml	
25) Pentachlorophenol	4.654	266	192M6	4.750	ng/ml	
26) Phenanthrene	4.771	178	2289M3	5.108	ng/ml	
27) Anthracene	4.798	178	2178	4.953	ng/ml	98
28) Fluoranthene	5.437	202	2444M3	4.873	ng/ml	
29) Pyrene	5.565	202	2611M3	4.900	ng/ml	
32) Benzo[a]anthracene	6.273	226	1172	6.957	ng/ml#	1
33) 3,3'-Dichlorobenzidine	6.251	252	693	3.859	ng/ml#	89
34) Chrysene	6.294	228	2695	5.193	ng/ml#	97
35) Bis(2-ethylhexyl)phtha...	6.289	149	1737M3	5.804	ng/ml	
37) Benzo[b]fluoranthene	7.108	252	2126	4.641	ng/ml	100
38) Benzo[k]fluoranthene	7.134	252	2218	4.566	ng/ml	99
39) Benzo[a]pyrene	7.422	252	1767	4.366	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.711	276	1526	4.044	ng/ml#	84
41) Dibenzo[a,h]anthracene	8.745	278	1460M6	3.801	ng/ml	
42) Benzo[g,h,i]perylene	9.051	276	1734	4.384	ng/ml#	88

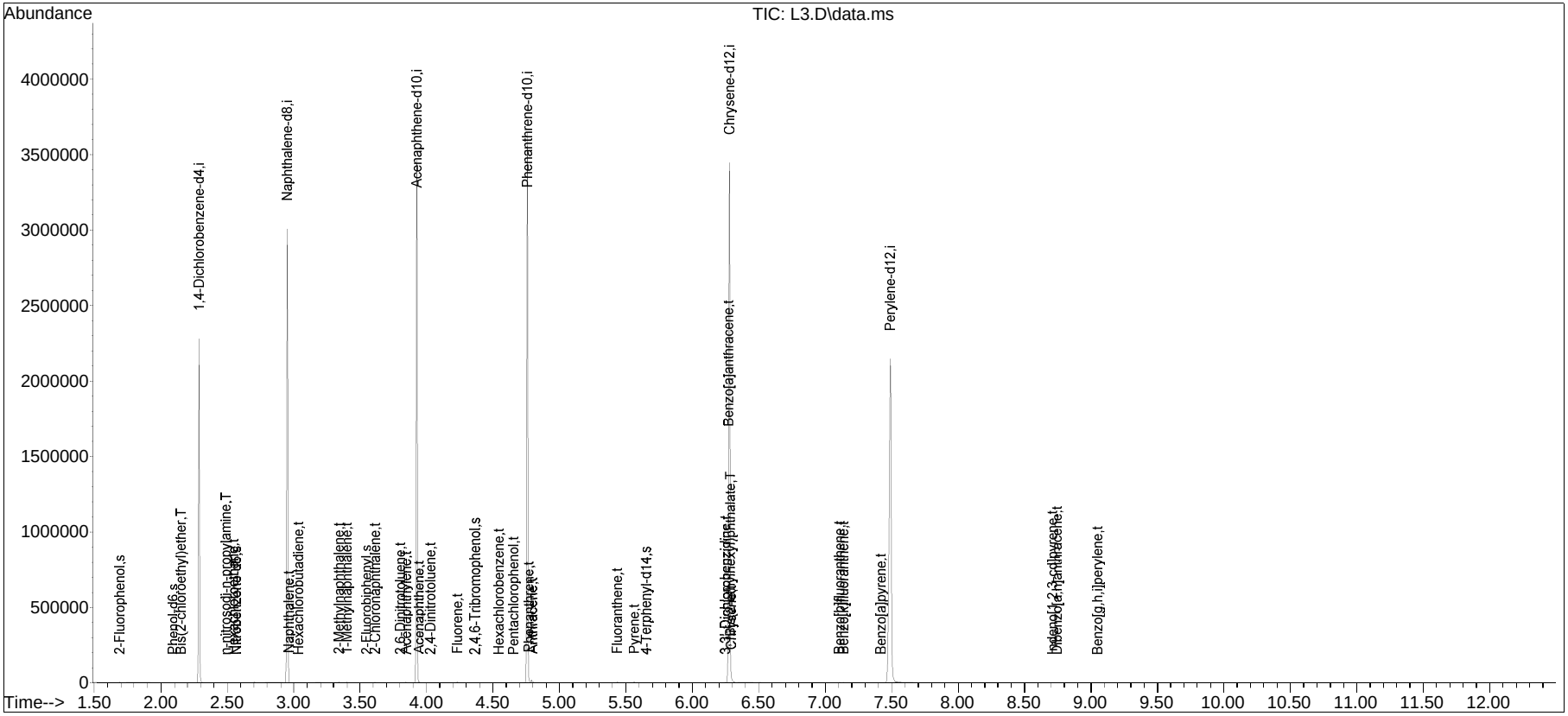
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L3.D
Acq On : 25 Oct 2024 06:46 pm
Operator : SV118:dv
Sample : IL3,32,, #10893 5 ng/ml
Misc : WG1990947,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 04 11:32:15 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:47 2024
Response via : Initial Calibration

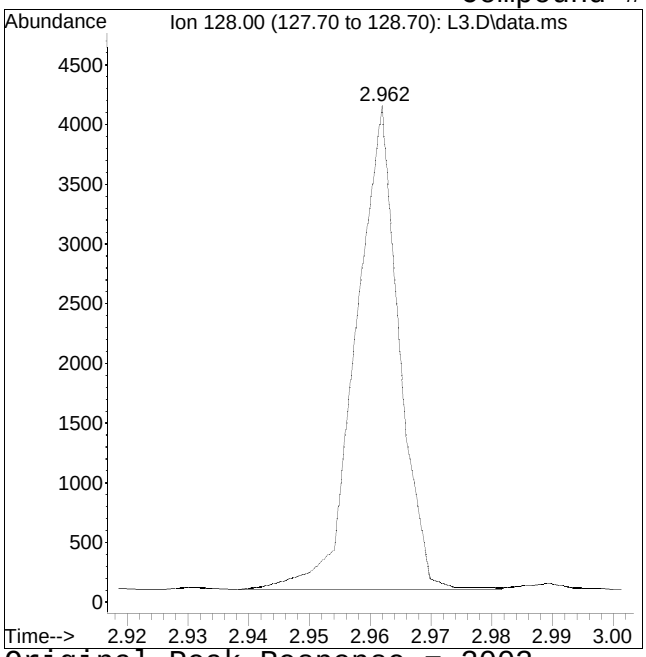
Sub List : Default - All compounds listedical\L8.D•

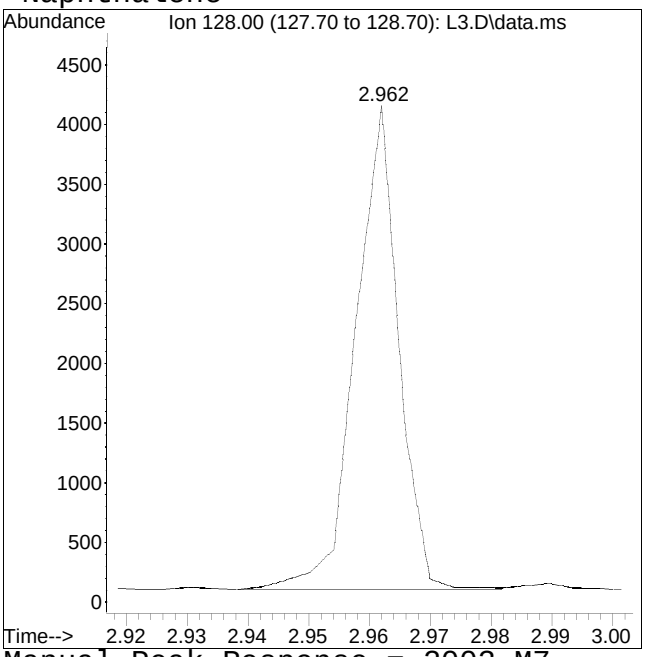


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #9: Naphthalene



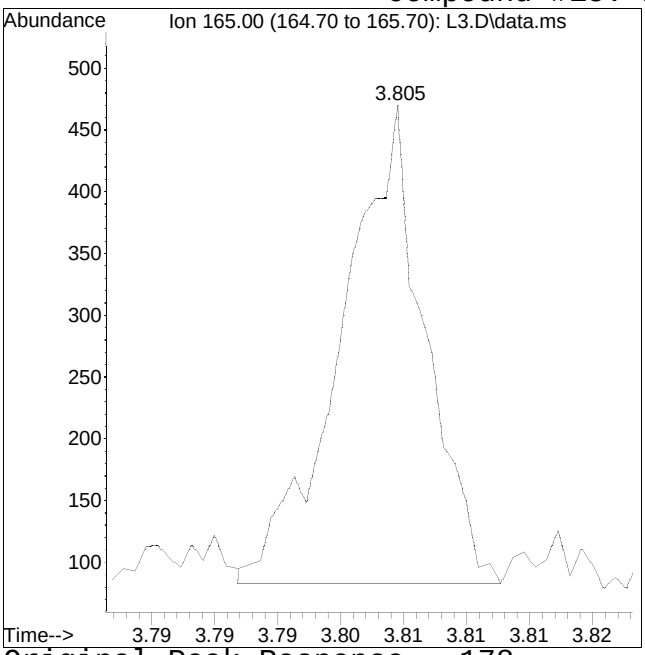


Original Peak Response = 2003 Manual Peak Response = 2003 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

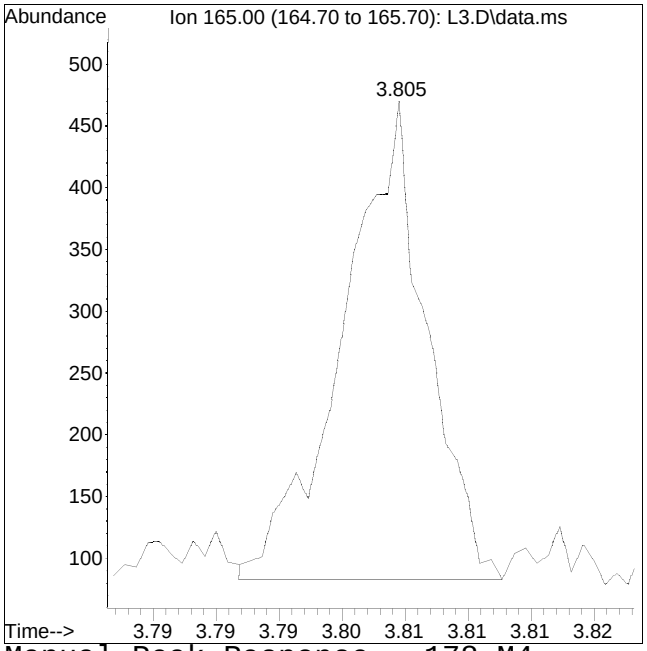
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 178



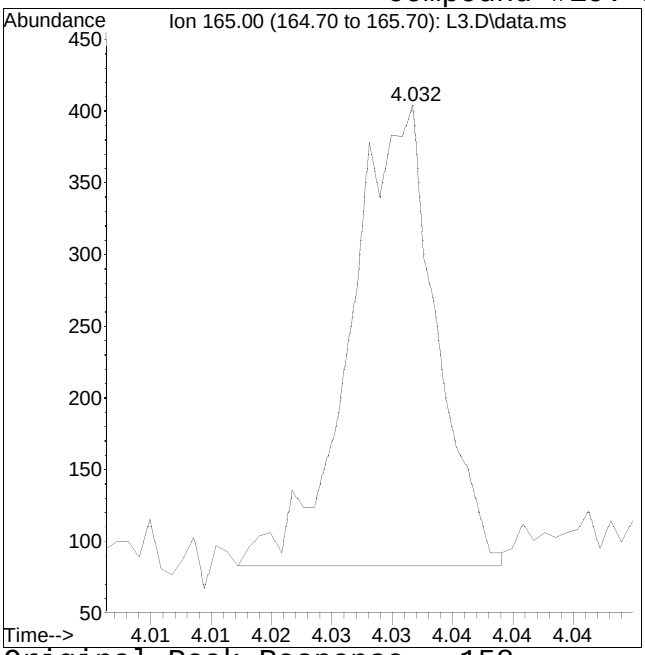
Manual Peak Response = 178 M4

M4 = Poor automated baseline construction.

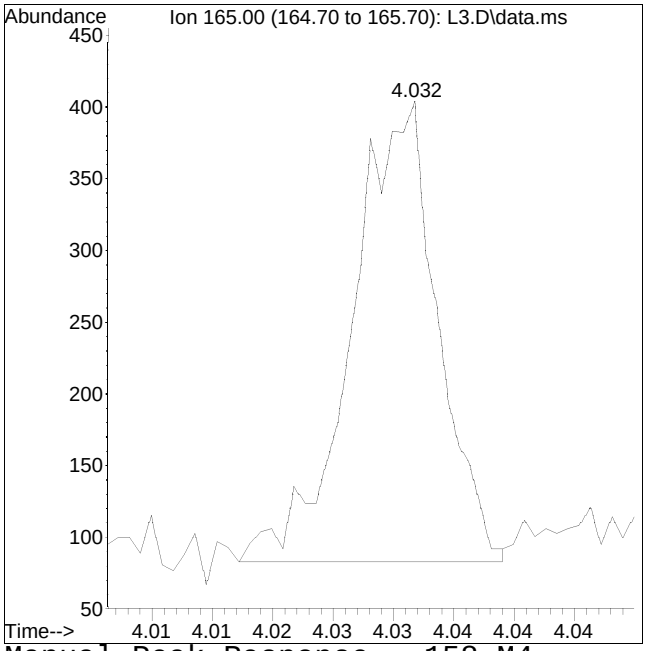
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #19: 2,4-Dinitrotoluene



Original Peak Response = 158



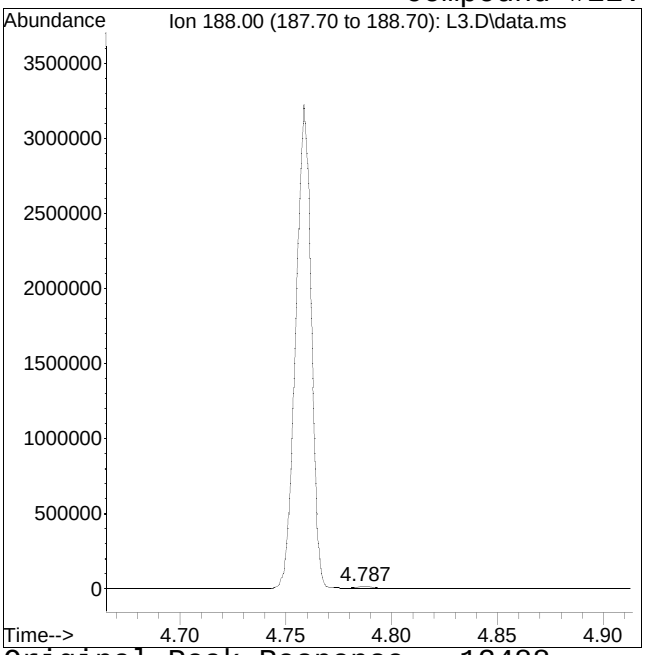
Manual Peak Response = 158 M4

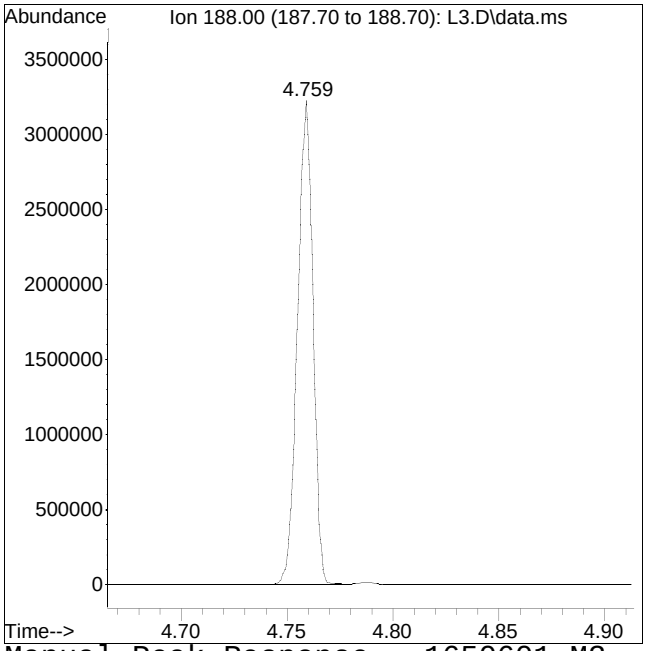
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #22: Phenanthrene-d10



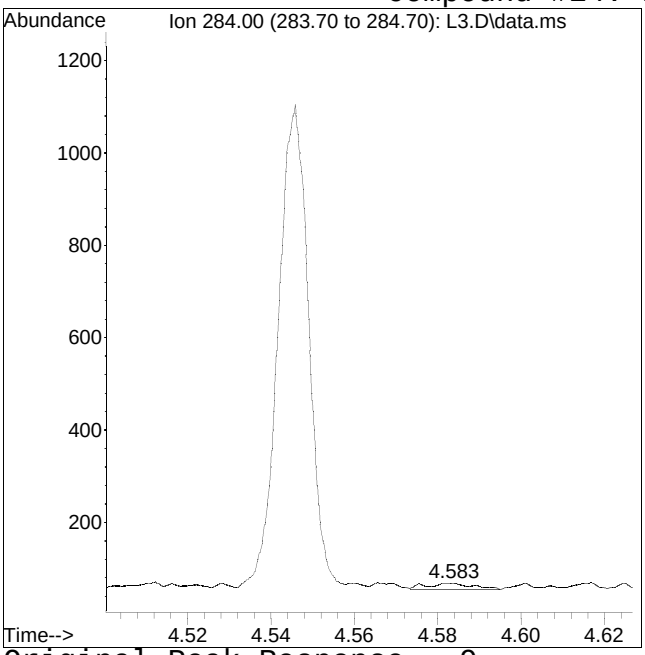


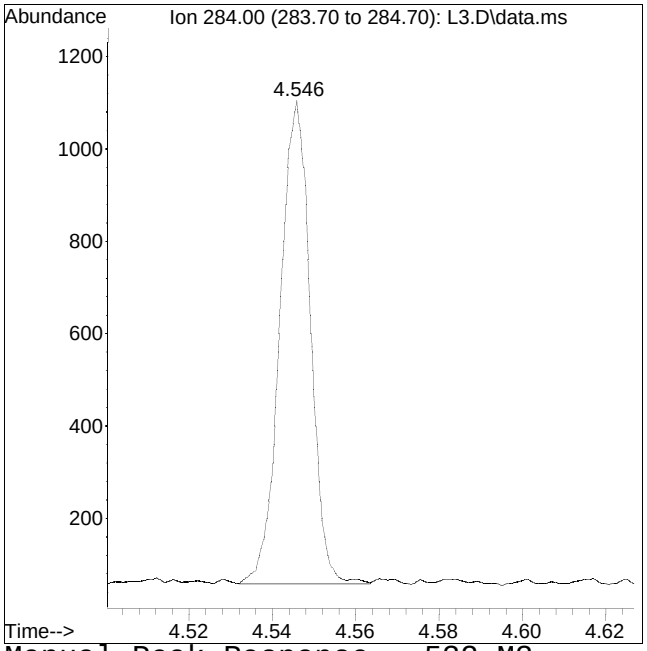
Original Peak Response = 12488 Manual Peak Response = 1650601 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #24: Hexachlorobenzene





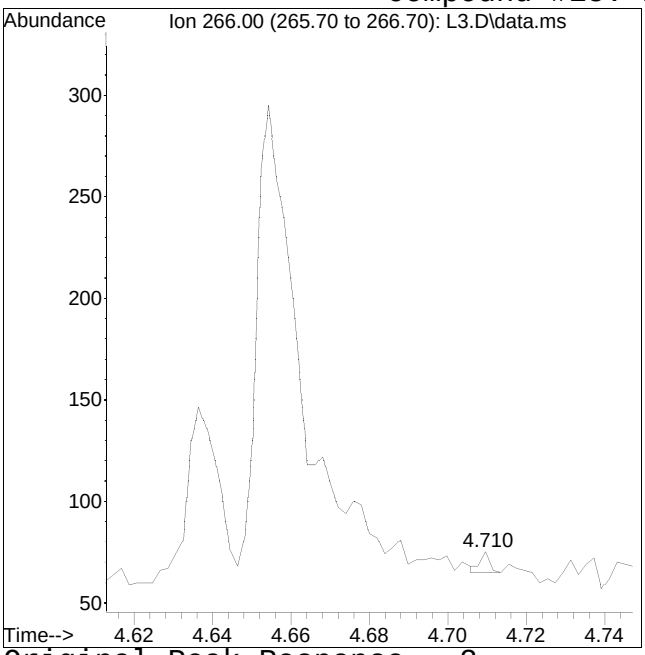
Original Peak Response = 9 Manual Peak Response = 532 M3

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.

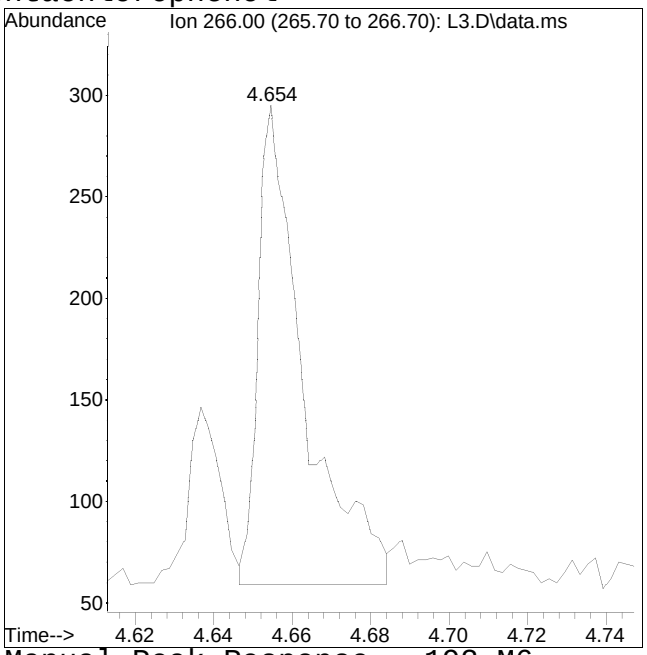
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #25: Pentachlorophenol



Original Peak Response = 2



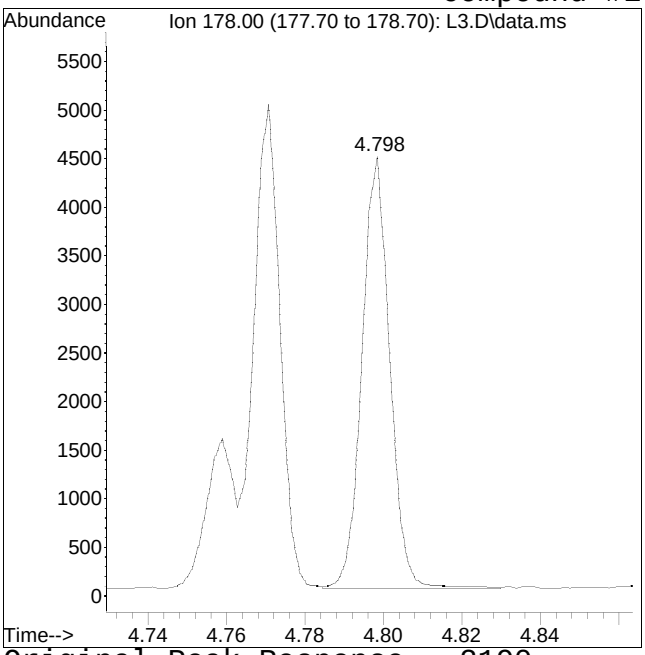
Manual Peak Response = 192 M6

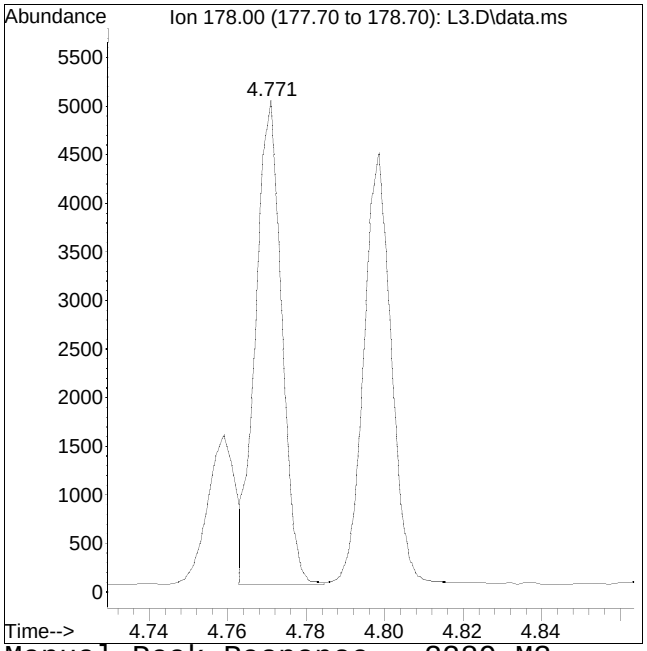
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #26: Phenanthrene





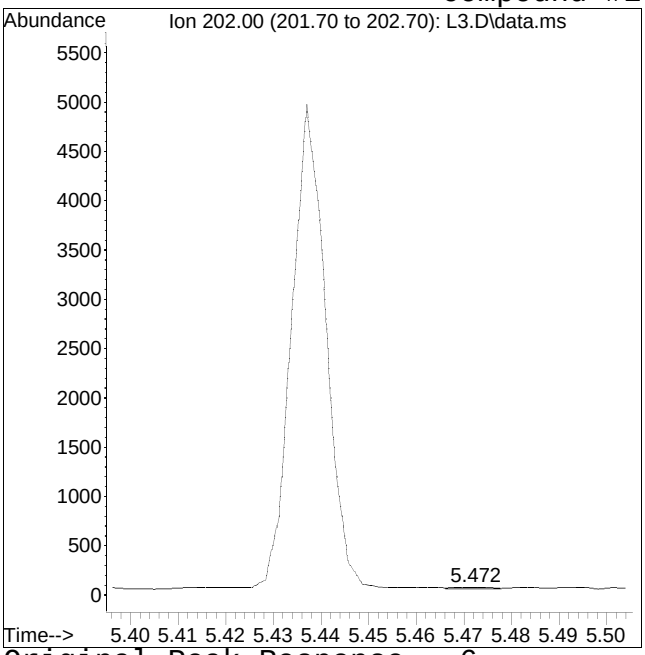
Original Peak Response = 2190 Manual Peak Response = 2289 M3

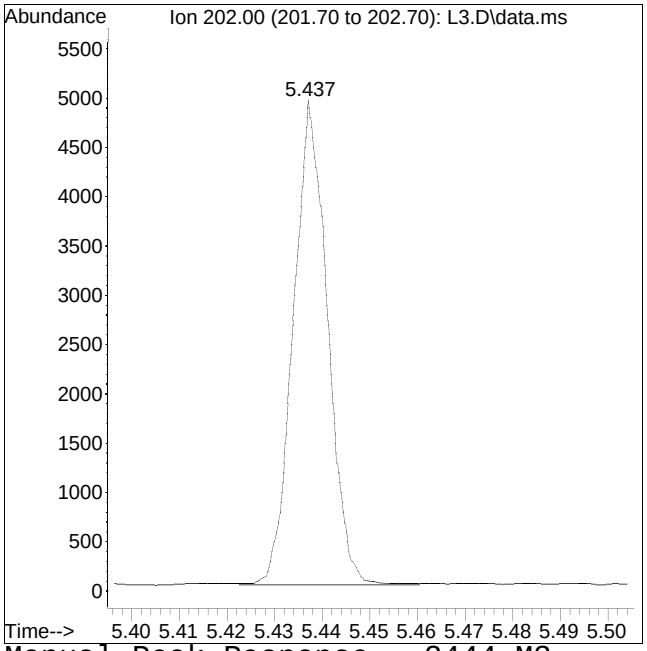
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #28: Fluoranthene





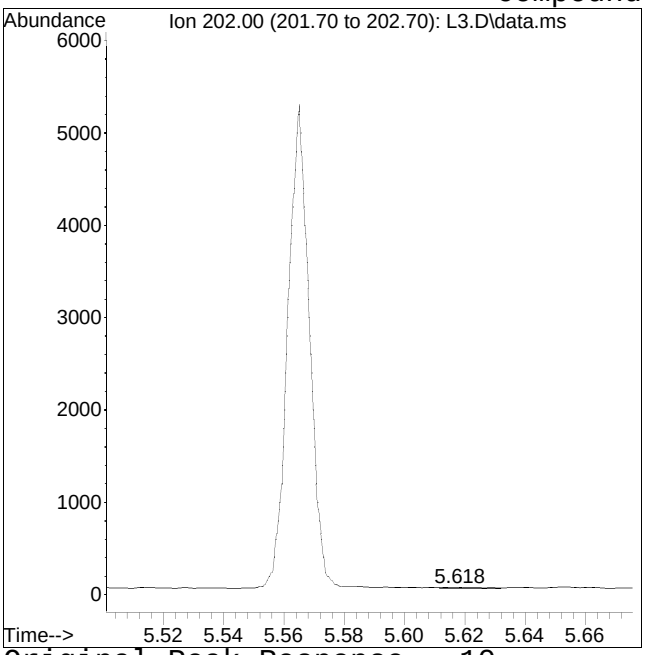
Original Peak Response = 6 Manual Peak Response = 2444 M3

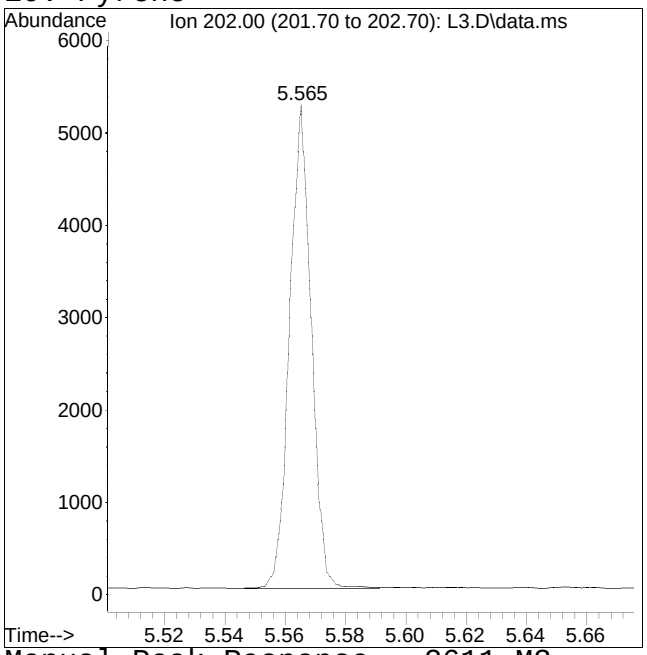
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #29: Pyrene





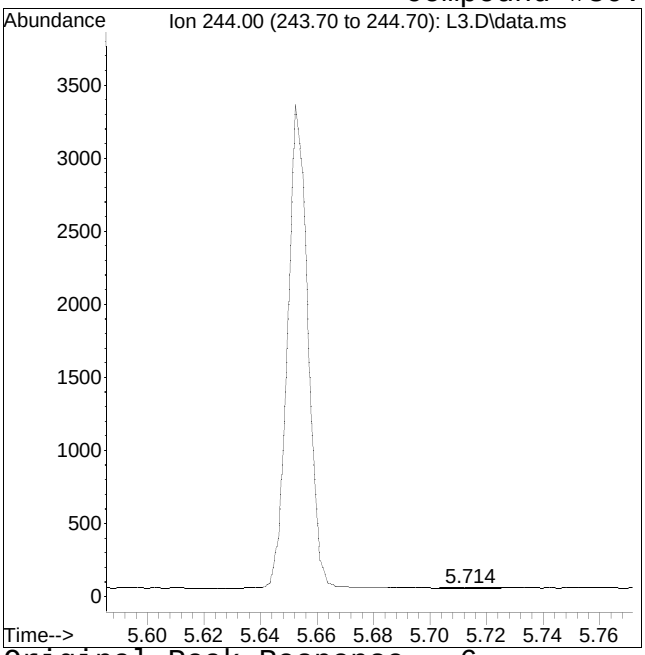
Original Peak Response = 10 Manual Peak Response = 2611 M3

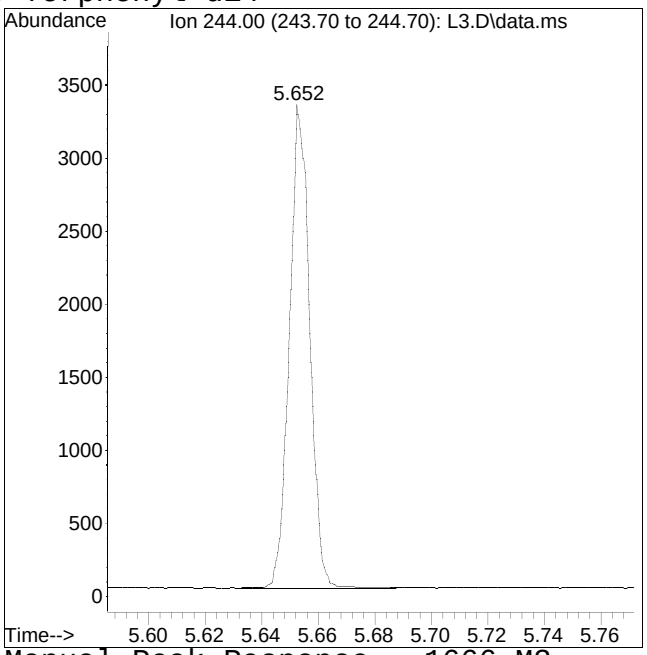
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #30: 4-Terphenyl-d14





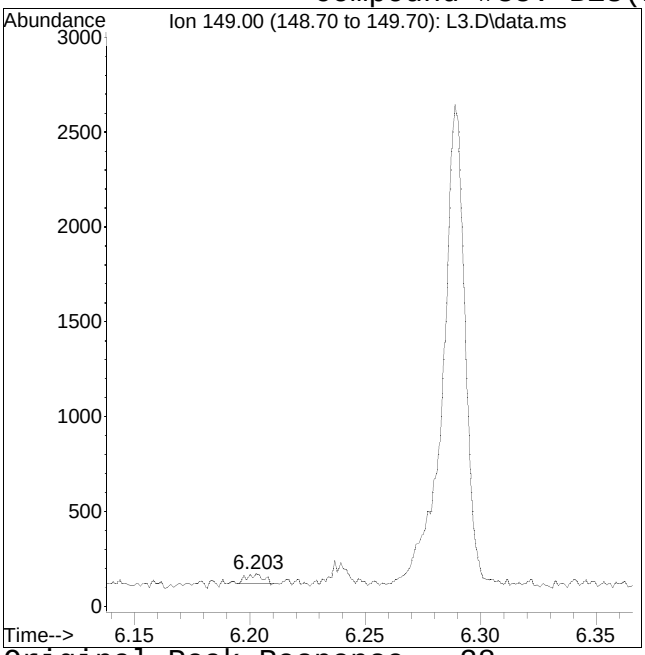
Original Peak Response = 6 Manual Peak Response = 1666 M3

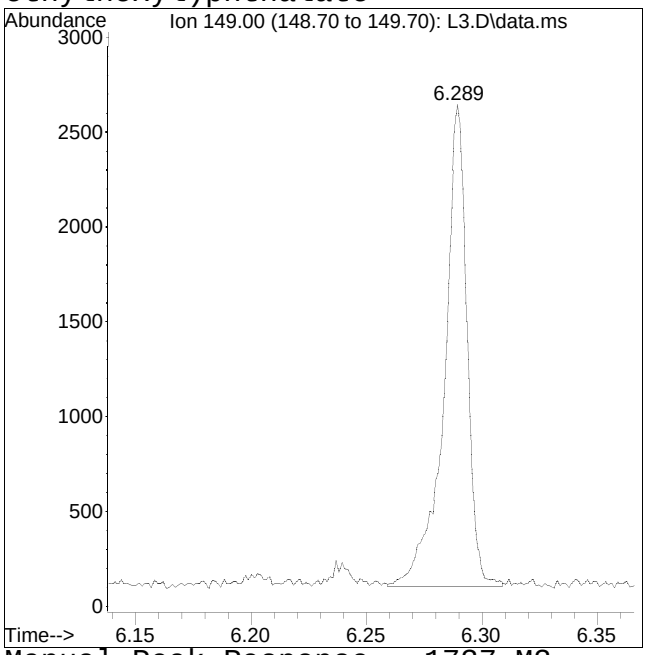
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #35: Bis(2-ethylhexyl)phthalate



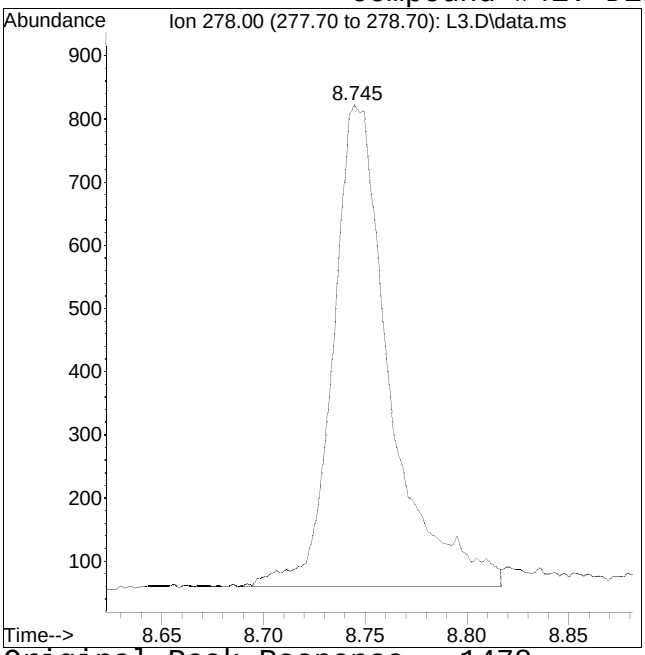


Original Peak Response = 28 Manual Peak Response = 1737 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

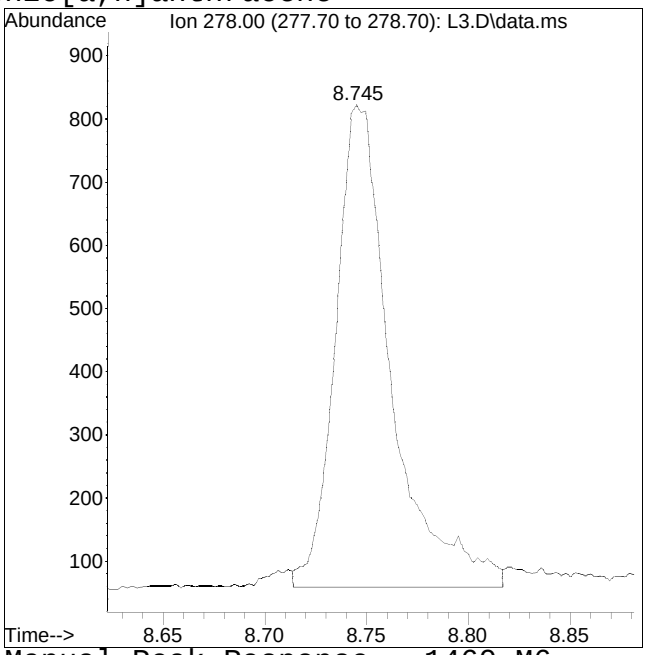
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L3.D Operator : SV118:dv
Date Inj'd : 10/25/2024 6:46 pm Instrument : SV118
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1478



Manual Peak Response = 1460 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L2.D
Acq On : 25 Oct 2024 07:03 pm
Operator : SV118:dv
Sample : IL2,32,, #10900 2 ng/ml
Misc : WG1990947,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 04 11:40:22 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:39 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.286	152	394951	4000.000	ng/ml	0.00
Standard Area 1 = 429824			Recovery = 91.89%			
8) Naphthalene-d8	2.950	136	1417787	4000.000	ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 90.06%			
17) Acenaphthene-d10	3.928	164	767792	4000.000	ng/ml	0.00
Standard Area 1 = 863987			Recovery = 88.87%			
22) Phenanthrene-d10	4.759	188	1610327M3	4000.000	ng/ml	0.00
Standard Area 1 = 1755380			Recovery = 91.74%			
31) Chrysene-d12	6.280	240	1666522	4000.000	ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 98.45%			
36) Perylene-d12	7.493	264	1696213	4000.000	ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 94.49%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.690	112	232	2.078	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
3) Phenol-d6	2.091	99	298	2.172	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.11%#			
7) Nitrobenzene-d5	2.566	82	171	1.930	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.19%#			
13) 2-Fluorobiphenyl	3.550	172	574	2.106	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.21%#			
21) 2,4,6-Tribromophenol	4.366	330	75	2.120	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.11%#			
30) 4-Terphenyl-d14	5.655	244	693M3	2.103	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.21%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.149	93	625	2.906	ng/ml#	47
5) n-nitrosodi-n-propylamine	2.487	70	192	2.212	ng/ml#	89
6) Hexachloroethane	2.546	117	120	2.422	ng/ml#	76
9) Naphthalene	2.962	128	788M4	2.111	ng/ml	
10) Hexachlorobutadiene	3.037	225	142M6	2.144	ng/ml	
11) 2-Methylnaphthalene	3.343	142	505	2.113	ng/ml	96
12) 1-Methylnaphthalene	3.397	142	479	2.154	ng/ml	94
14) 2-Chloronaphthalene	3.612	162	503M3	2.096	ng/ml	
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		
16) Acenaphthylene	3.846	152	721	2.030	ng/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L2.D
Acq On : 25 Oct 2024 07:03 pm
Operator : SV118:dv
Sample : IL2,32,, #10900 2 ng/ml
Misc : WG1990947,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 04 11:40:22 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:39 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.945	153	531	2.116	ng/ml	98
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.232	166	568	2.124	ng/ml	89
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.546	284	234	2.207	ng/ml	96
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.771	178	966M3	2.210	ng/ml	
27) Anthracene	4.798	178	889	2.072	ng/ml	94
28) Fluoranthene	5.437	202	1049M3	2.144	ng/ml	
29) Pyrene	5.565	202	1129	2.172	ng/ml	100
32) Benzo[a]anthracene	6.276	226	714	4.375	ng/ml#	1
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.293	228	971	1.931	ng/ml#	95
35) Bis(2-ethylhexyl)phtha...	6.289	149	1370M3	4.726	ng/ml	
37) Benzo[b]fluoranthene	7.110	252	858	1.962	ng/ml	97
38) Benzo[k]fluoranthene	7.134	252	908M4	1.958	ng/ml	
39) Benzo[a]pyrene	7.422	252	700	1.812	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	8.711	276	582	1.616	ng/ml#	72
41) Dibenzo[a,h]anthracene	8.747	278	582M4	1.587	ng/ml	
42) Benzo[g,h,i]perylene	9.054	276	665	1.761	ng/ml#	84

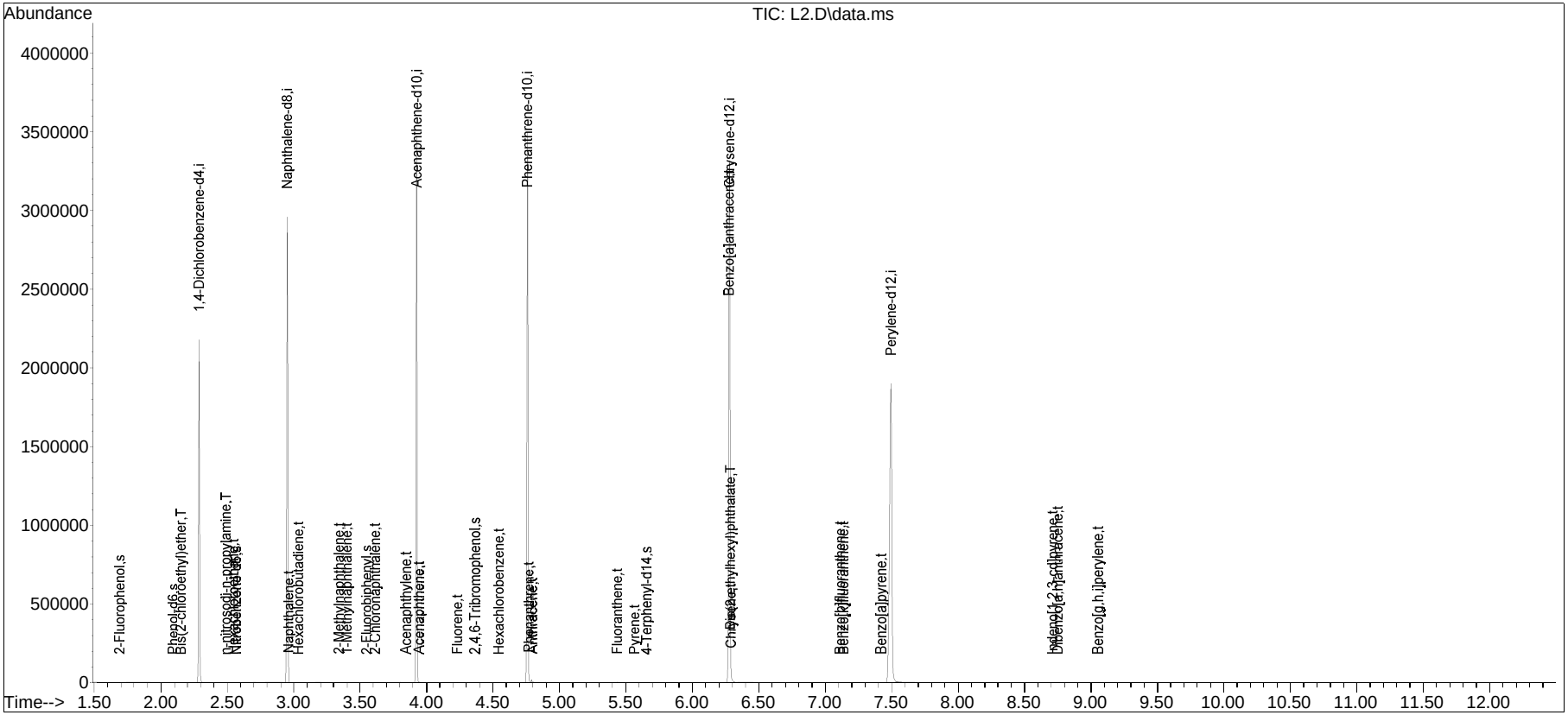
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L2.D
Acq On : 25 Oct 2024 07:03 pm
Operator : SV118:dv
Sample : IL2,32,, #10900 2 ng/ml
Misc : WG1990947,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 04 11:40:22 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:39 2024
Response via : Initial Calibration

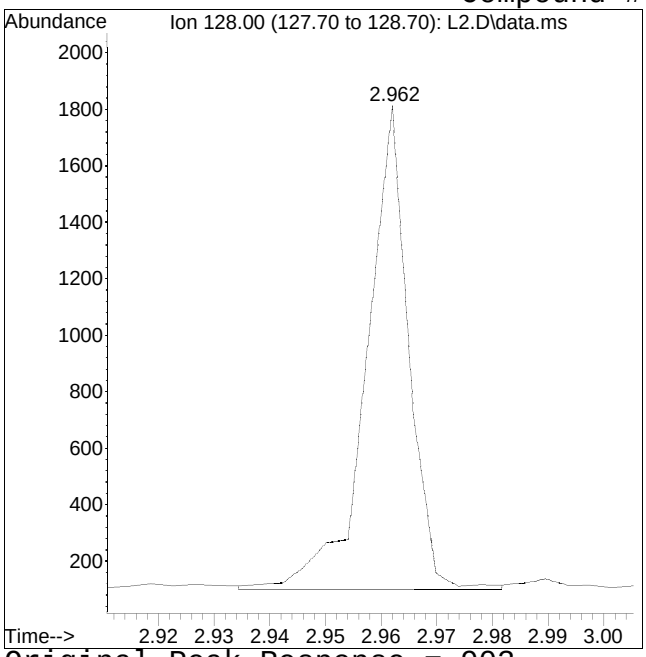
Sub List : Default - All compounds listedical\L8.D•



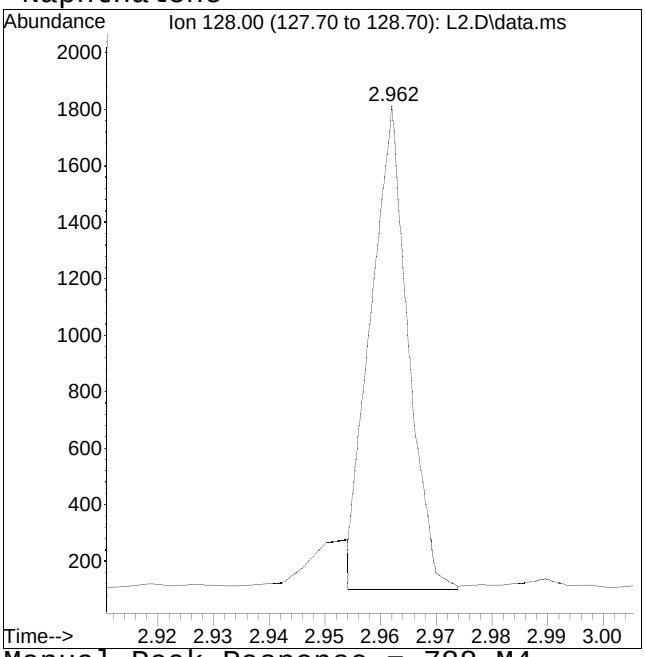
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #9: Naphthalene



Original Peak Response = 903



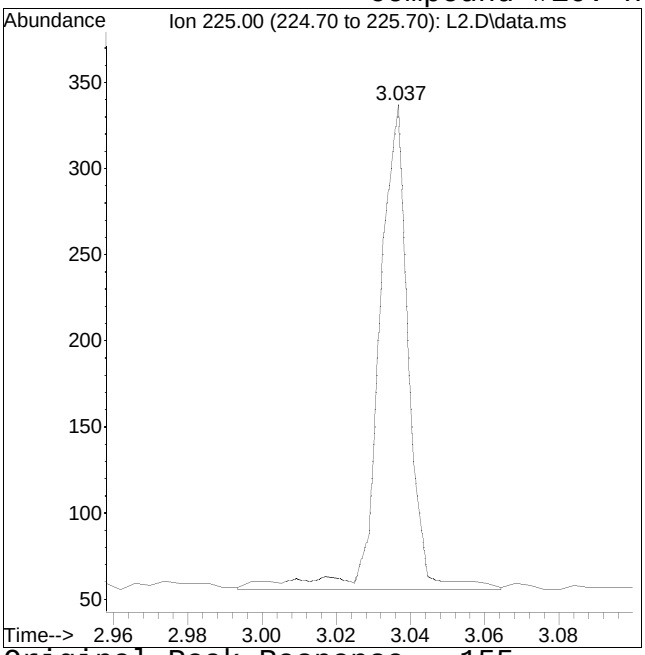
Manual Peak Response = 788 M4

M4 = Poor automated baseline construction.

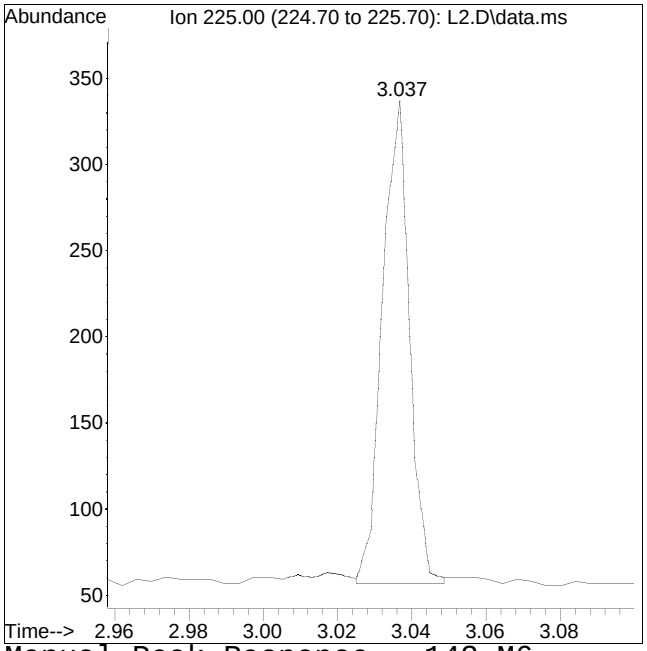
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #10: Hexachlorobutadiene



Original Peak Response = 155



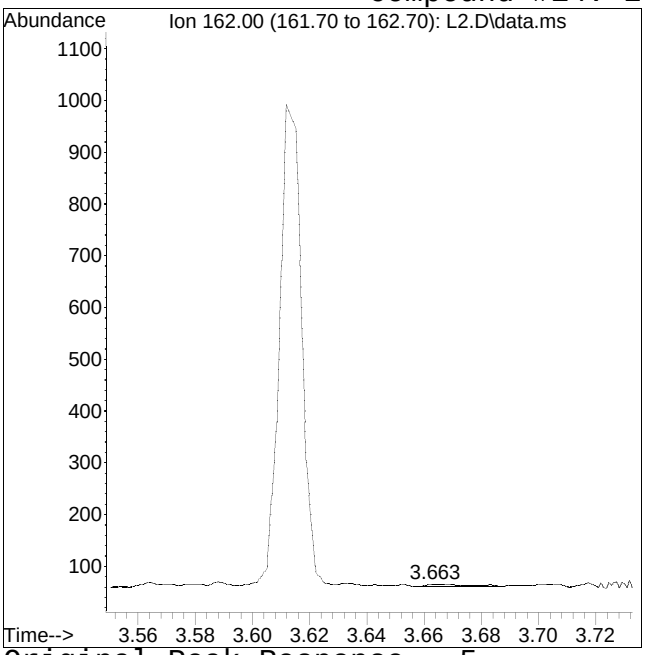
Manual Peak Response = 142 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

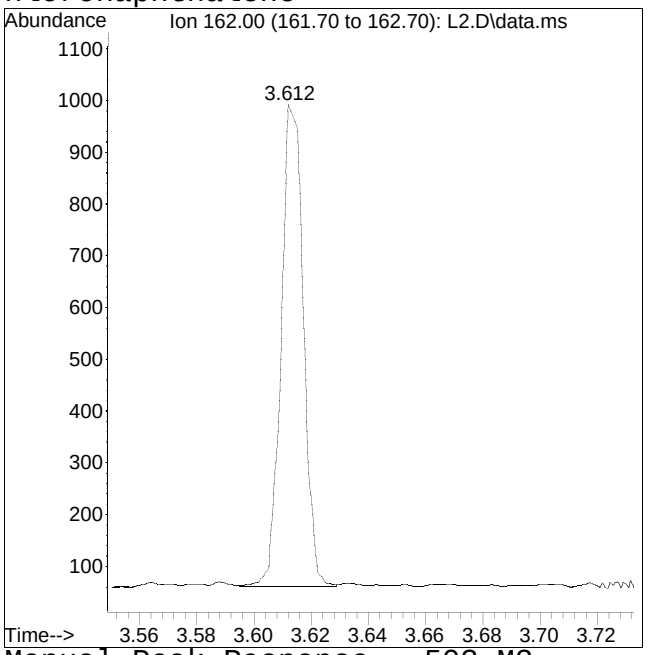
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #14: 2-Chloronaphthalene



Original Peak Response = 5



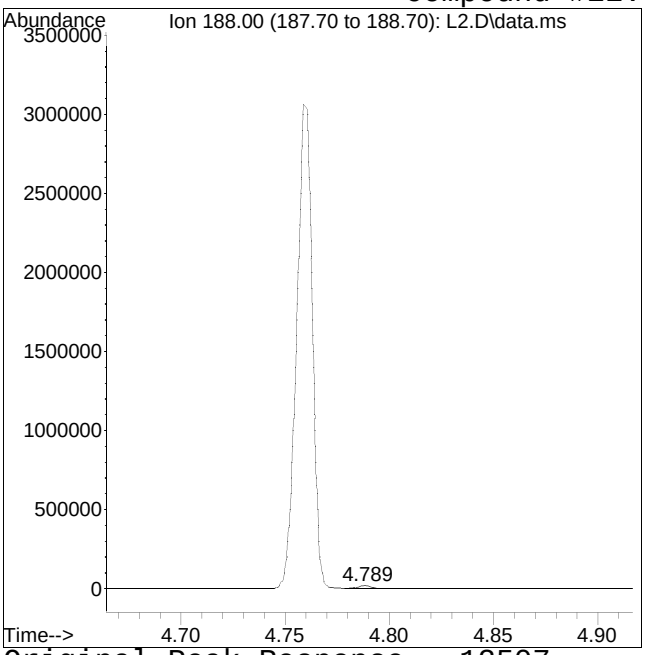
Manual Peak Response = 503 M3

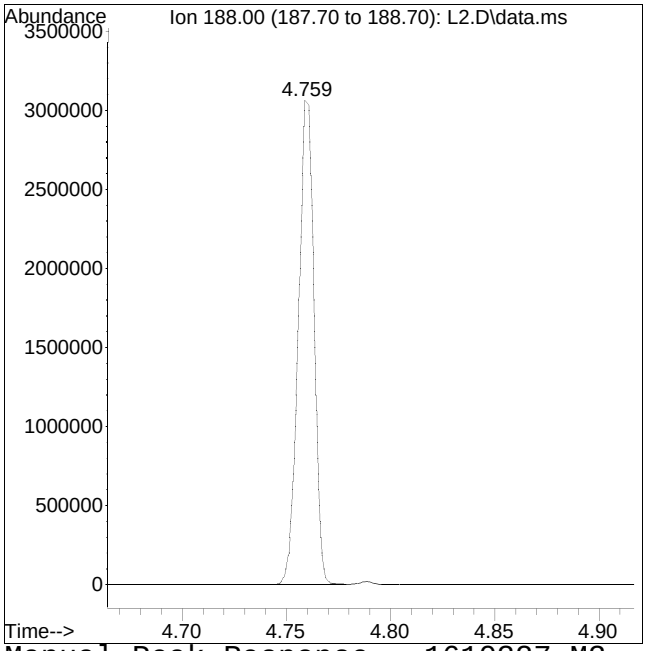
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #22: Phenanthrene-d10



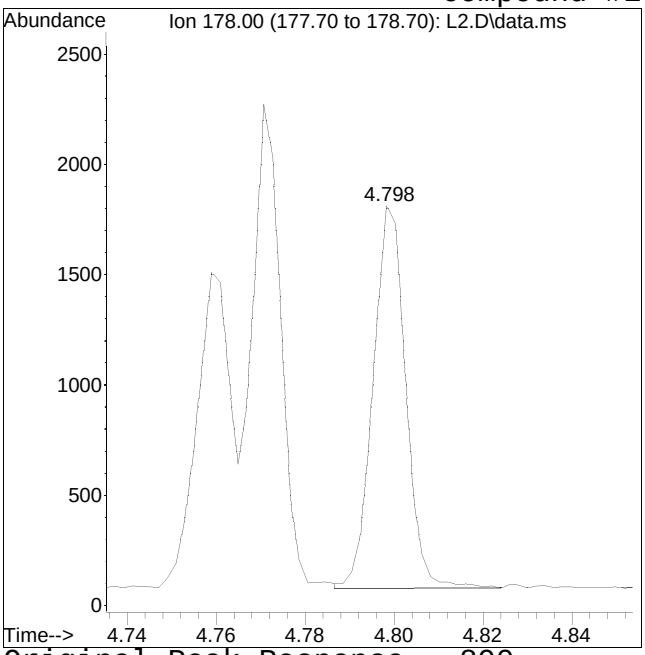


Original Peak Response = 12507 Manual Peak Response = 1610327 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

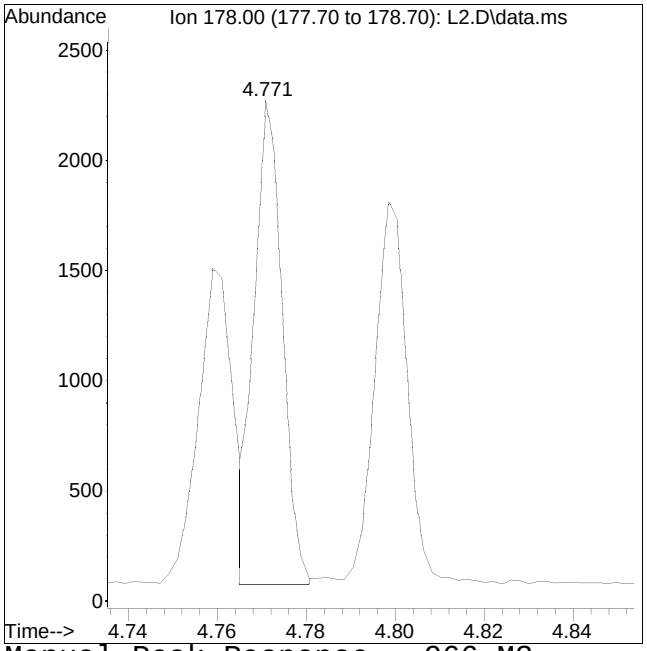
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #26: Phenanthrene



Original Peak Response = 890



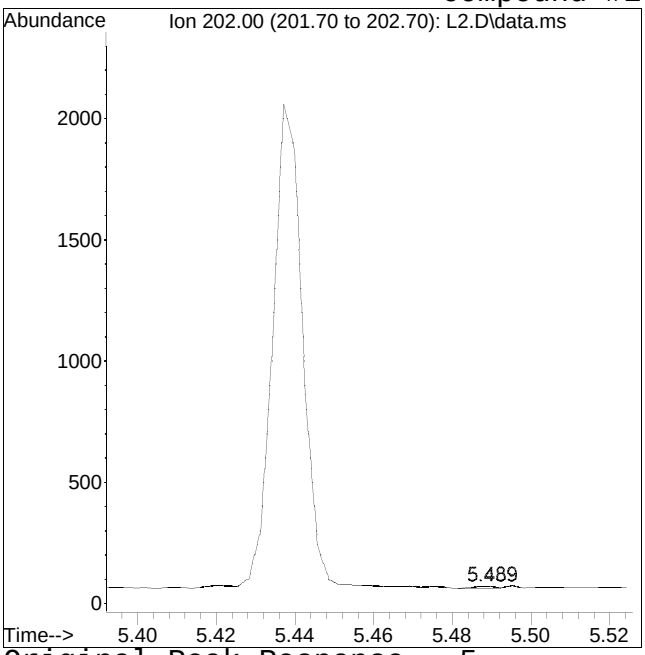
Manual Peak Response = 966 M3

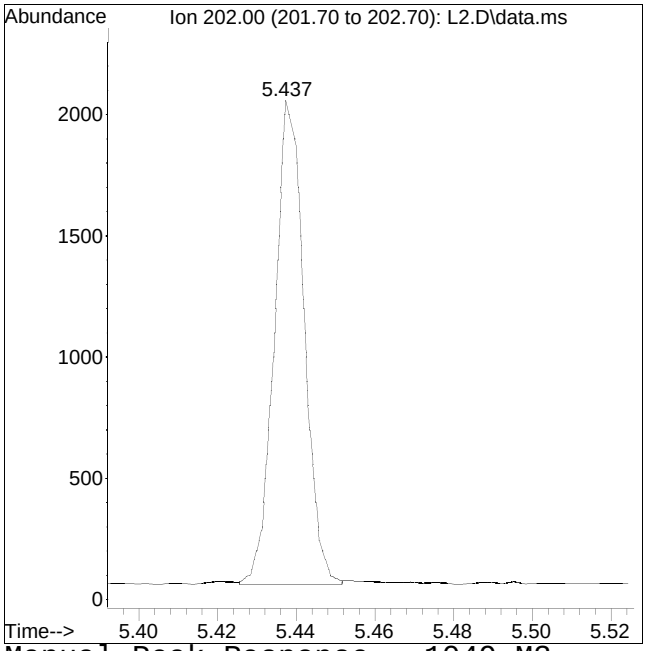
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #28: Fluoranthene





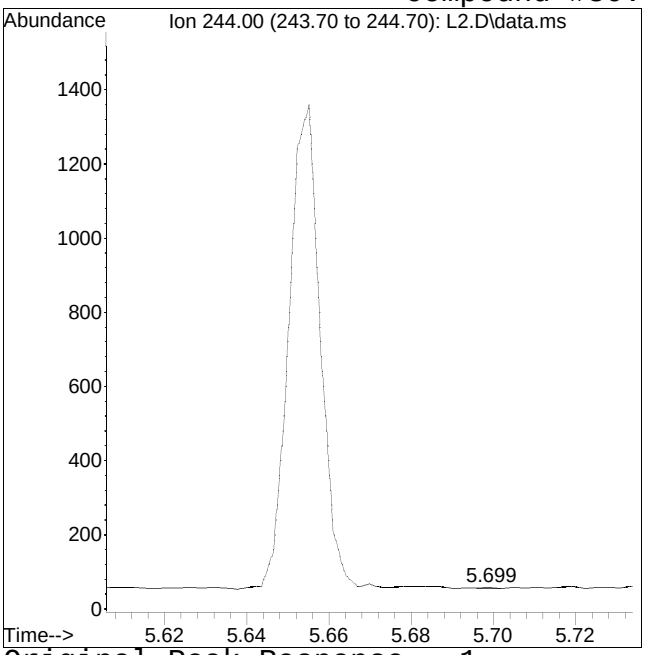
Original Peak Response = 5 Manual Peak Response = 1049 M3

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.

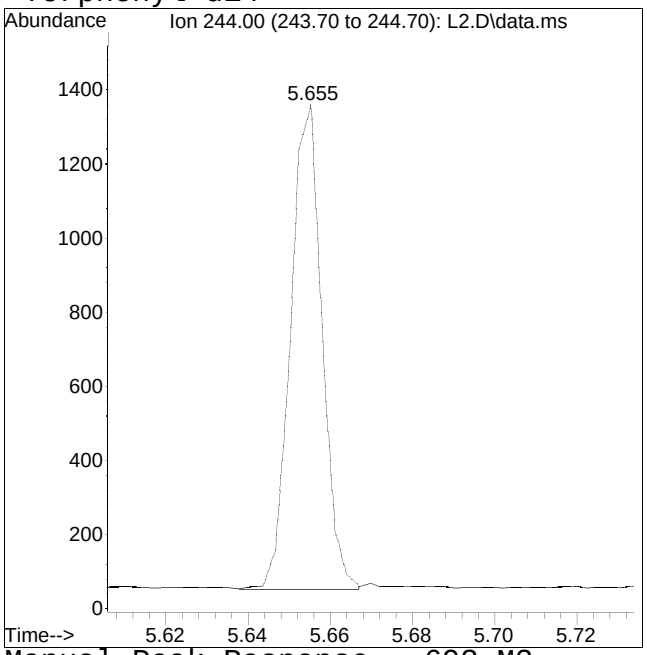
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #30: 4-Terphenyl-d14



Original Peak Response = 1



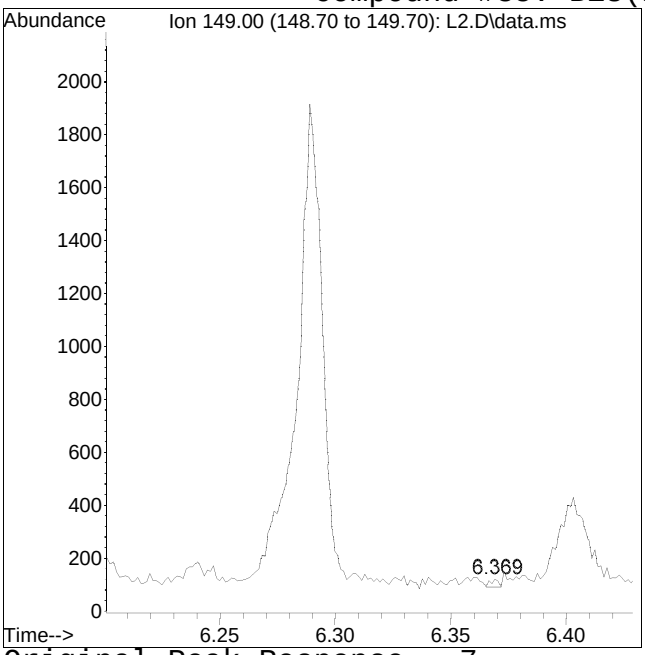
Manual Peak Response = 693 M3

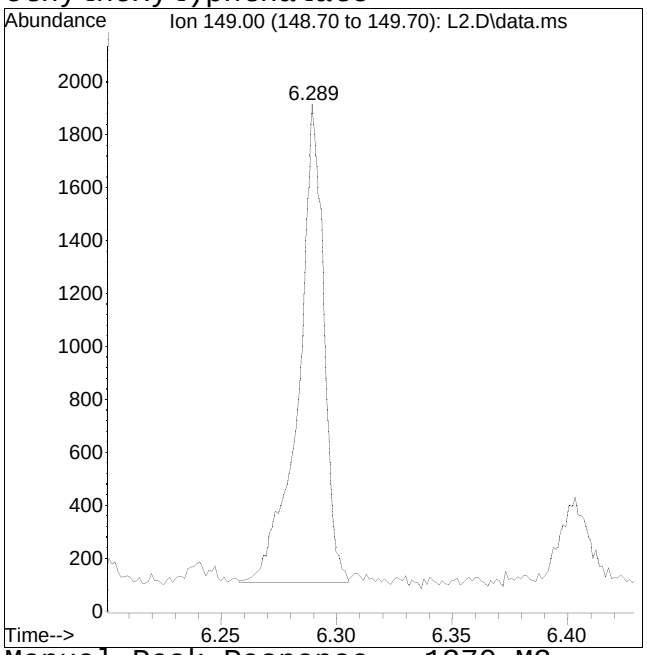
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #35: Bis(2-ethylhexyl)phthalate



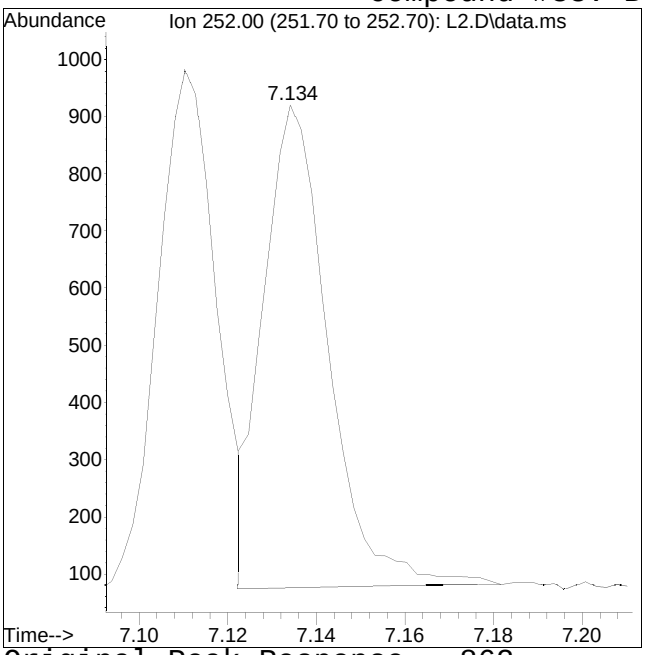


Original Peak Response = 7 Manual Peak Response = 1370 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

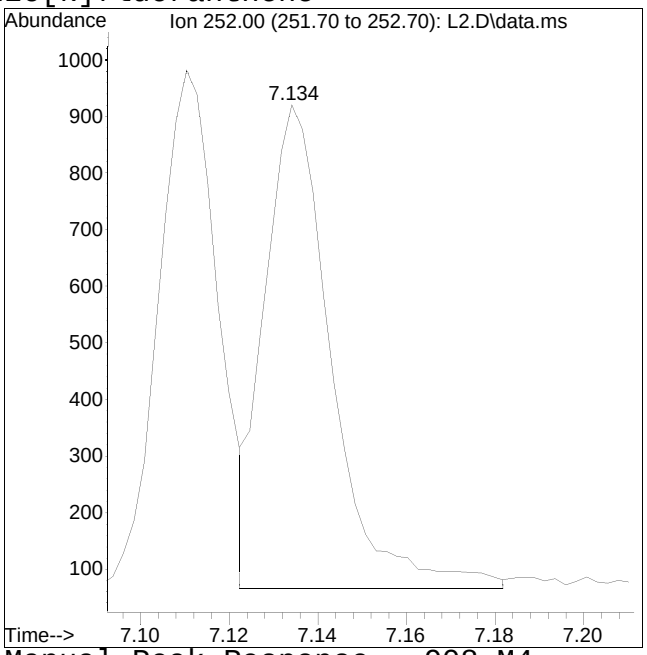
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 862



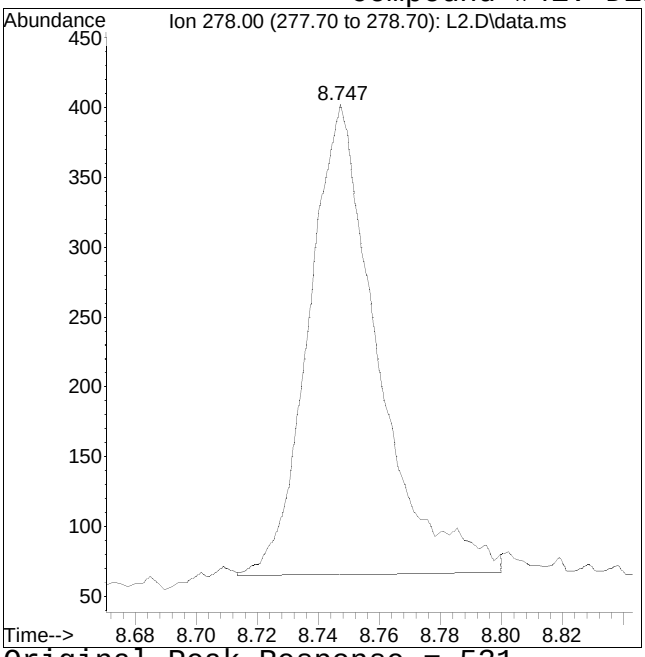
Manual Peak Response = 908 M4

M4 = Poor automated baseline construction.

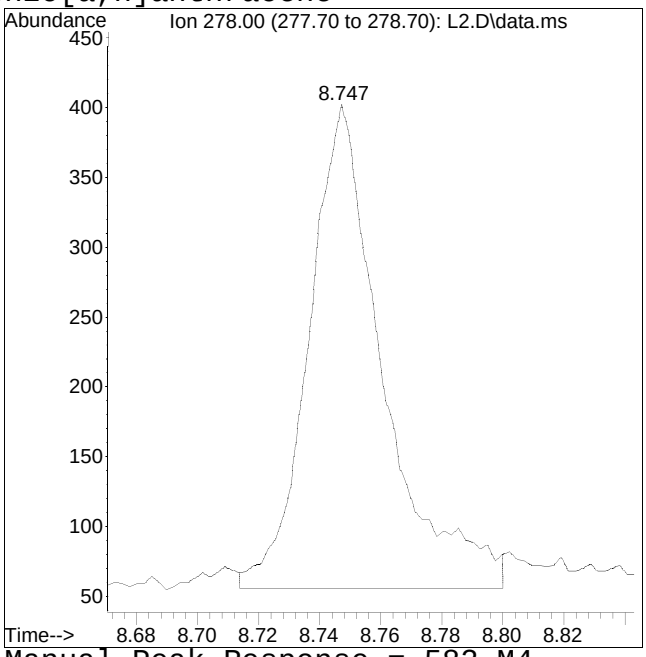
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L2.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:03 pm Instrument : SV118
Sample : IL2,32,, #10900 2 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 531



Manual Peak Response = 582 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L1.D
Acq On : 25 Oct 2024 07:21 pm
Operator : SV118:dv
Sample : IL1,32,, #10895 1 ng/ml
Misc : WG1990947,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 04 11:40:11 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.286	152	415774	4000.000	ng/ml	0.00
Standard Area 1 = 429824			Recovery = 96.73%			
8) Naphthalene-d8	2.950	136	1497480	4000.000	ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 95.12%			
17) Acenaphthene-d10	3.928	164	811623	4000.000	ng/ml	0.00
Standard Area 1 = 863987			Recovery = 93.94%			
22) Phenanthrene-d10	4.761	188	1673672M3	4000.000	ng/ml	0.00
Standard Area 1 = 1755380			Recovery = 95.35%			
31) Chrysene-d12	6.281	240	1660718	4000.000	ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 98.11%			
36) Perylene-d12	7.493	264	1700594	4000.000	ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 94.73%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.690	112	132	1.123	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.06%#			
3) Phenol-d6	2.091	99	158	1.094	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#			
7) Nitrobenzene-d5	2.566	82	93M3	0.997	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.10%#			
13) 2-Fluorobiphenyl	3.550	172	307	1.066	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
21) 2,4,6-Tribromophenol	4.370	330	50	1.337	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.07%#			
30) 4-Terphenyl-d14	5.655	244	388M3	1.133	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D. d		
5) n-nitrosodi-n-propylamine	0.000		0	N.D. d		
6) Hexachloroethane	0.000		0	N.D. d		
9) Naphthalene	0.000		0	N.D. d		
10) Hexachlorobutadiene	0.000		0	N.D. d		
11) 2-Methylnaphthalene	0.000		0	N.D. d		
12) 1-Methylnaphthalene	0.000		0	N.D. d		
14) 2-Chloronaphthalene	0.000		0	N.D. d		
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L1.D
Acq On : 25 Oct 2024 07:21 pm
Operator : SV118:dv
Sample : IL1,32,, #10895 1 ng/ml
Misc : WG1990947,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 04 11:40:11 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

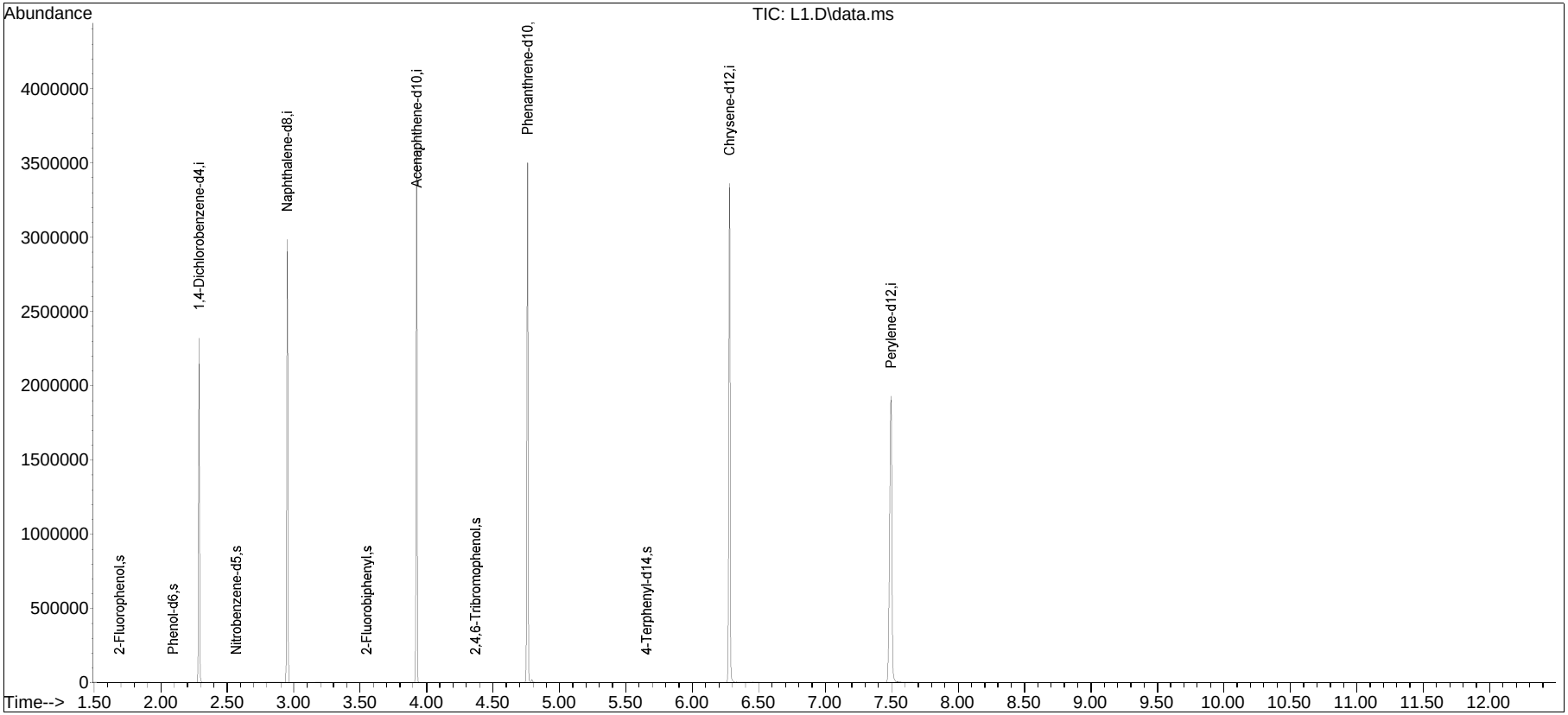
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : L1.D
Acq On : 25 Oct 2024 07:21 pm
Operator : SV118:dv
Sample : IL1,32,, #10895 1 ng/ml
Misc : WG1990947,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 04 11:40:11 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:33:23 2024
Response via : Initial Calibration

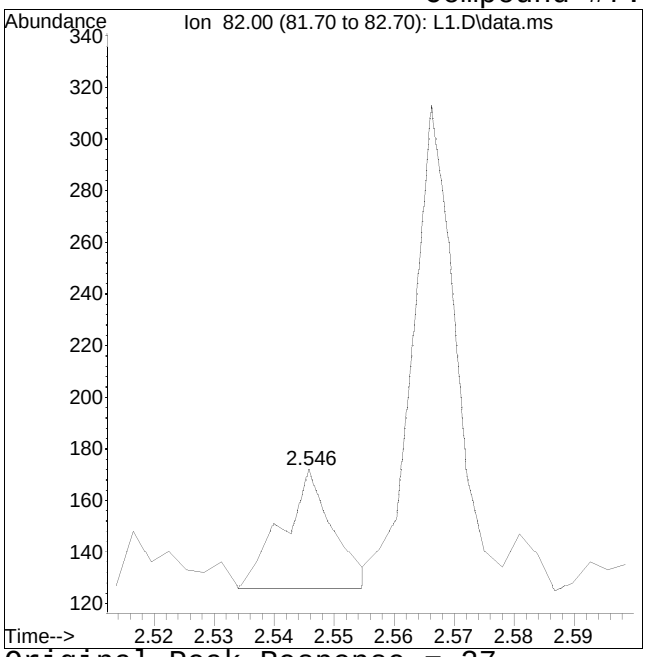
Sub List : Default - All compounds listedical\L8.D•



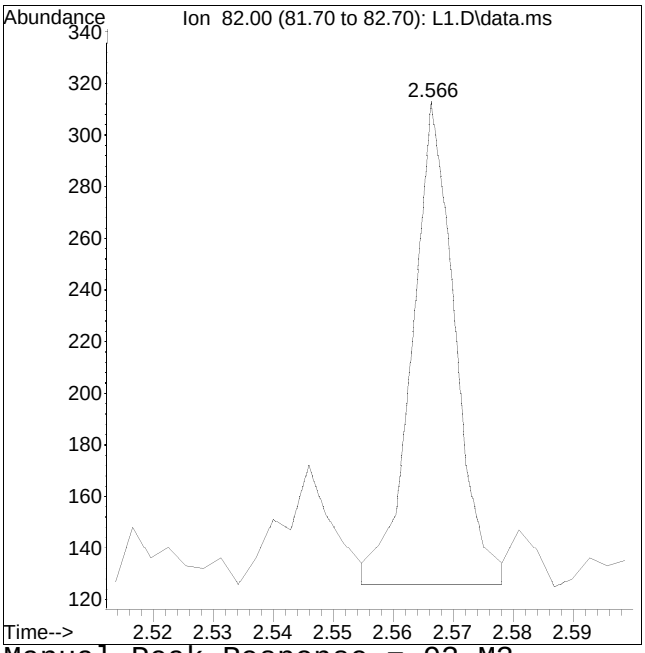
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L1.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:21 pm Instrument : SV118
Sample : IL1,32,, #10895 1 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #7: Nitrobenzene-d5



Original Peak Response = 27



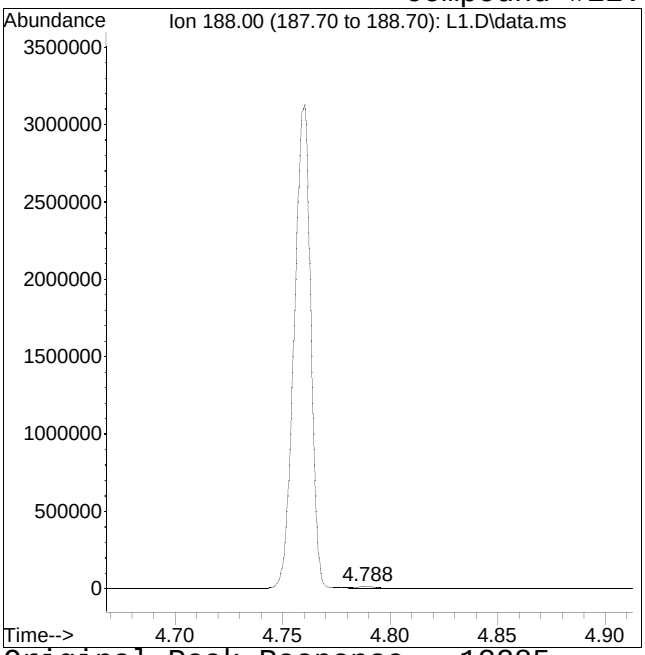
Manual Peak Response = 93 M3

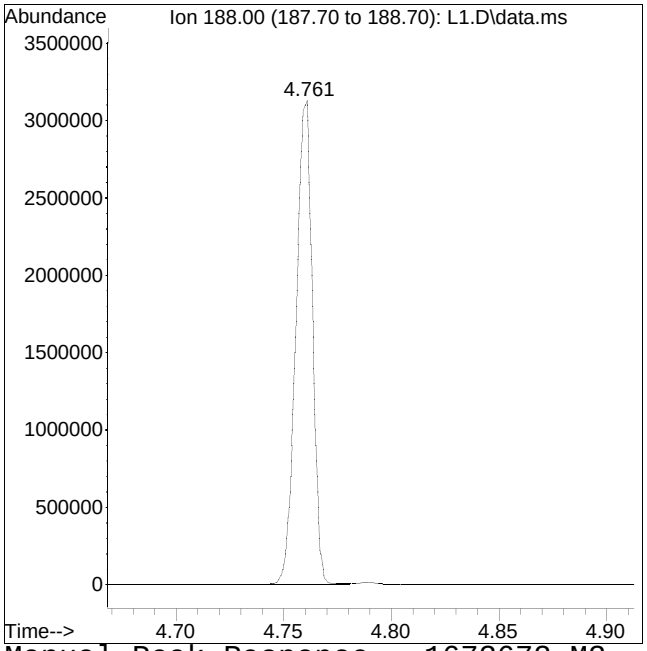
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L1.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:21 pm Instrument : SV118
Sample : IL1,32,, #10895 1 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #22: Phenanthrene-d10



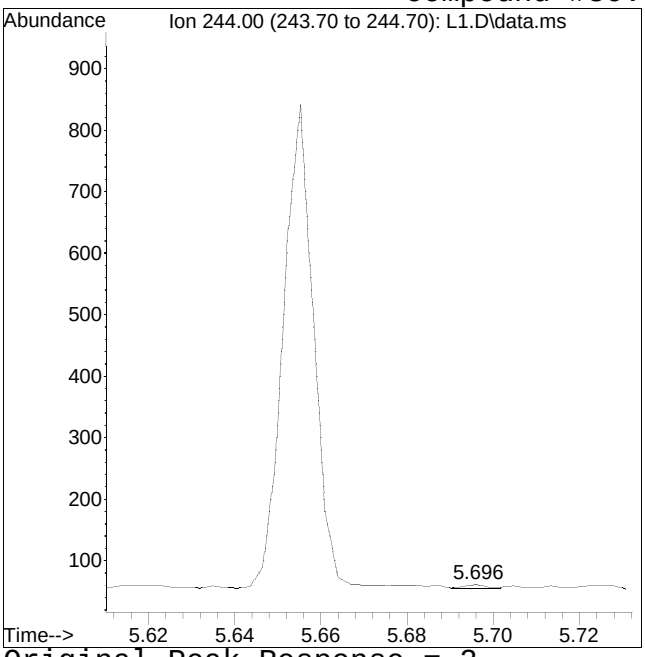


Original Peak Response = 12285 Manual Peak Response = 1673672 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

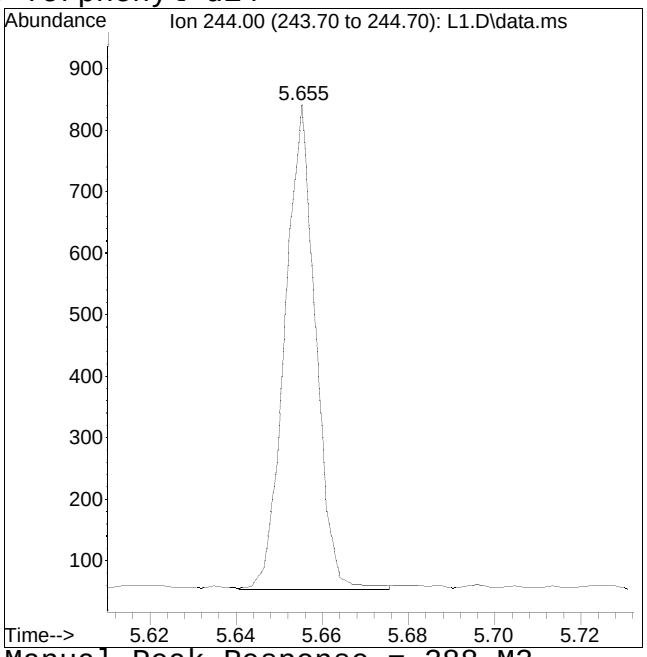
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : L1.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:21 pm Instrument : SV118
Sample : IL1,32,, #10895 1 ng/ml Quant Date : 12/4/2024 11:33 am

Compound #30: 4-Terphenyl-d14



Original Peak Response = 2



Manual Peak Response = 388 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.

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : ICV.D
Acq On : 25 Oct 2024 07:38 pm
Operator : SV118:dv
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 11:31:43 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:32:57 2024
Response via : Initial Calibration

Min. RRF : 0.010 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	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00
2	s	2-Fluorophenol	1.131	1.080	4.5	80	0.00
3	s	Phenol-d6	1.390	1.331	4.2	79	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	968.718	3.1	78	0.00
5	T	n-nitrosodi-n-propylamine	0.879	0.812	7.6	76	0.00
6	t	Hexachloroethane	0.502	0.469	6.6	77	0.00
7	s	Nitrobenzene-d5	0.897	0.846	5.7	74	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	83	0.00
9	t	Naphthalene	1.053	0.970	7.9	79	0.00
10	t	Hexachlorobutadiene	0.187	0.179	4.3	81	0.00
11	t	2-Methylnaphthalene	0.674	0.649	3.7	81	0.00
12	t	1-Methylnaphthalene	0.627	0.601	4.1	81	0.00
13	s	2-Fluorobiphenyl	0.769	0.735	4.4	82	0.00
14	t	2-Chloronaphthalene	0.677	0.640	5.5	79	0.00
15	t	2,6-Dinitrotoluene	0.092	0.087	5.4	75	0.00
16	t	Acenaphthylene	1.002	0.984	1.8	80	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	85	0.00
18	t	Acenaphthene	1.308	1.200	8.3	81	0.00
19	t	2,4-Dinitrotoluene	*1000.000	839.436	16.1	77	0.00
20	t	Fluorene	1.393	1.322	5.1	81	0.00
21	s	2,4,6-Tribromophenol	0.184	0.191	-3.8	84	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	88	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	815.959	18.4	77	0.00
24	t	Hexachlorobenzene	0.263	0.245	6.8	84	0.00
25	t	Pentachlorophenol	0.098	0.099	-1.0	80	0.00
26	t	Phenanthrene	1.086	0.994	8.5	84	0.00
27	t	Anthracene	1.066	1.011	5.2	84	0.00
28	t	Fluoranthene	1.216	1.138	6.4	84	0.00
29	t	Pyrene	1.291	1.230	4.7	85	0.00
30	s	4-Terphenyl-d14	0.818	0.770	5.9	86	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	89	0.00
32	t	Benzo[a]anthracene	0.392	0.335	14.5	83	0.00
33	t	3,3'-Dichlorobenzidine	0.418	0.445	-6.5	84	0.00
34	t	Chrysene	1.207	1.138	5.7	85	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.696	0.631	9.3	76	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : ICV.D
Acq On : 25 Oct 2024 07:38 pm
Operator : SV118:dv
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 11:31:43 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:32:57 2024
Response via : Initial Calibration

Min. RRF : 0.010 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)
36	i	Perylene-d12	1.000	1.000	0.0	87	0.00
37	t	Benzo[b]fluoranthene	1.031	0.993	3.7	81	0.00
38	t	Benzo[k]fluoranthene	1.093	1.076	1.6	81	0.00
39	t	Benzo[a]pyrene	0.911	0.915	-0.4	81	0.00
40	t	Indeno[1,2,3-cd]pyrene	0.849	0.851	-0.2	77	-0.01
41	t	Dibenzo[a,h]anthracene	0.865	0.881	-1.8	81	-0.01
42	t	Benzo[g,h,i]perylene	0.890	0.877	1.5	81	-0.01

* 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:\8270SIM\SV118\2024\241025RVTical\
Data File : ICV.D
Acq On : 25 Oct 2024 07:38 pm
Operator : SV118:dv
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 11:31:43 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:32:57 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.286	152	354039	4000.000	ng/ml	0.00
Standard Area 1 = 429824			Recovery = 82.37%			
8) Naphthalene-d8	2.950	136	1309976	4000.000	ng/ml	0.00
Standard Area 1 = 1574353			Recovery = 83.21%			
17) Acenaphthene-d10	3.928	164	738513	4000.000	ng/ml	0.00
Standard Area 1 = 863987			Recovery = 85.48%			
22) Phenanthrene-d10	4.759	188	1550049M3	4000.000	ng/ml	0.00
Standard Area 1 = 1755380			Recovery = 88.30%			
31) Chrysene-d12	6.272	240	1499833	4000.000	ng/ml	0.00
Standard Area 1 = 1692718			Recovery = 88.61%			
36) Perylene-d12	7.476	264	1558807	4000.000	ng/ml	0.00
Standard Area 1 = 1795203			Recovery = 86.83%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.689	112	95573	954.797	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.74%			
3) Phenol-d6	2.091	99	117797	957.700	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.88%			
7) Nitrobenzene-d5	2.566	82	74838	942.419	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.24%			
13) 2-Fluorobiphenyl	3.550	172	240775	955.914	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.59%			
21) 2,4,6-Tribromophenol	4.366	330	35327	1038.113	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.91%			
30) 4-Terphenyl-d14	5.649	244	298400	940.877	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.09%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.149	93	101617	968.718	ng/ml	97
5) n-nitrosodi-n-propylamine	2.484	70	71872	923.913	ng/ml	97
6) Hexachloroethane	2.546	117	41469	933.585	ng/ml	87
9) Naphthalene	2.962	128	317734	921.403	ng/ml	100
10) Hexachlorobutadiene	3.037	225	58621	957.789	ng/ml	100
11) 2-Methylnaphthalene	3.342	142	212474	961.967	ng/ml	98
12) 1-Methylnaphthalene	3.400	142	196895	958.192	ng/ml	99
14) 2-Chloronaphthalene	3.615	162	209488	944.989	ng/ml#	88
15) 2,6-Dinitrotoluene	3.805	165	28596	953.057	ng/ml#	83
16) Acenaphthylene	3.847	152	322323	982.177	ng/ml	99
18) Acenaphthene	3.945	153	221633	918.017	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : ICV.D
Acq On : 25 Oct 2024 07:38 pm
Operator : SV118:dv
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 11:31:43 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:32:57 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\241025RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.031	165	38286	839.436	ng/ml#	83
20) Fluorene	4.231	166	244027	948.745	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.259	198	15870	815.959	ng/ml#	79
24) Hexachlorobenzene	4.546	284	94894	929.858	ng/ml	99
25) Pentachlorophenol	4.652	266	38433M2	1012.480	ng/ml	
26) Phenanthrene	4.771	178	385001M3	914.950	ng/ml	
27) Anthracene	4.798	178	391693	948.522	ng/ml	99
28) Fluoranthene	5.437	202	441182	936.637	ng/ml#	91
29) Pyrene	5.562	202	476733	952.779	ng/ml	99
32) Benzo[a]anthracene	6.264	226	125600	855.108	ng/ml#	96
33) 3,3'-Dichlorobenzidine	6.247	252	166953	1066.316	ng/ml	98
34) Chrysene	6.288	228	426866	943.474	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.281	149	236774	907.509	ng/ml	95
37) Benzo[b]fluoranthene	7.098	252	386845	962.577	ng/ml	99
38) Benzo[k]fluoranthene	7.125	252	419398	984.261	ng/ml	100
39) Benzo[a]pyrene	7.410	252	356399	1003.789	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.692	276	331722	1002.155	ng/ml#	88
41) Dibenzo[a,h]anthracene	8.728	278	343322M6	1018.903	ng/ml	
42) Benzo[g,h,i]perylene	9.039	276	341643	984.592	ng/ml#	86

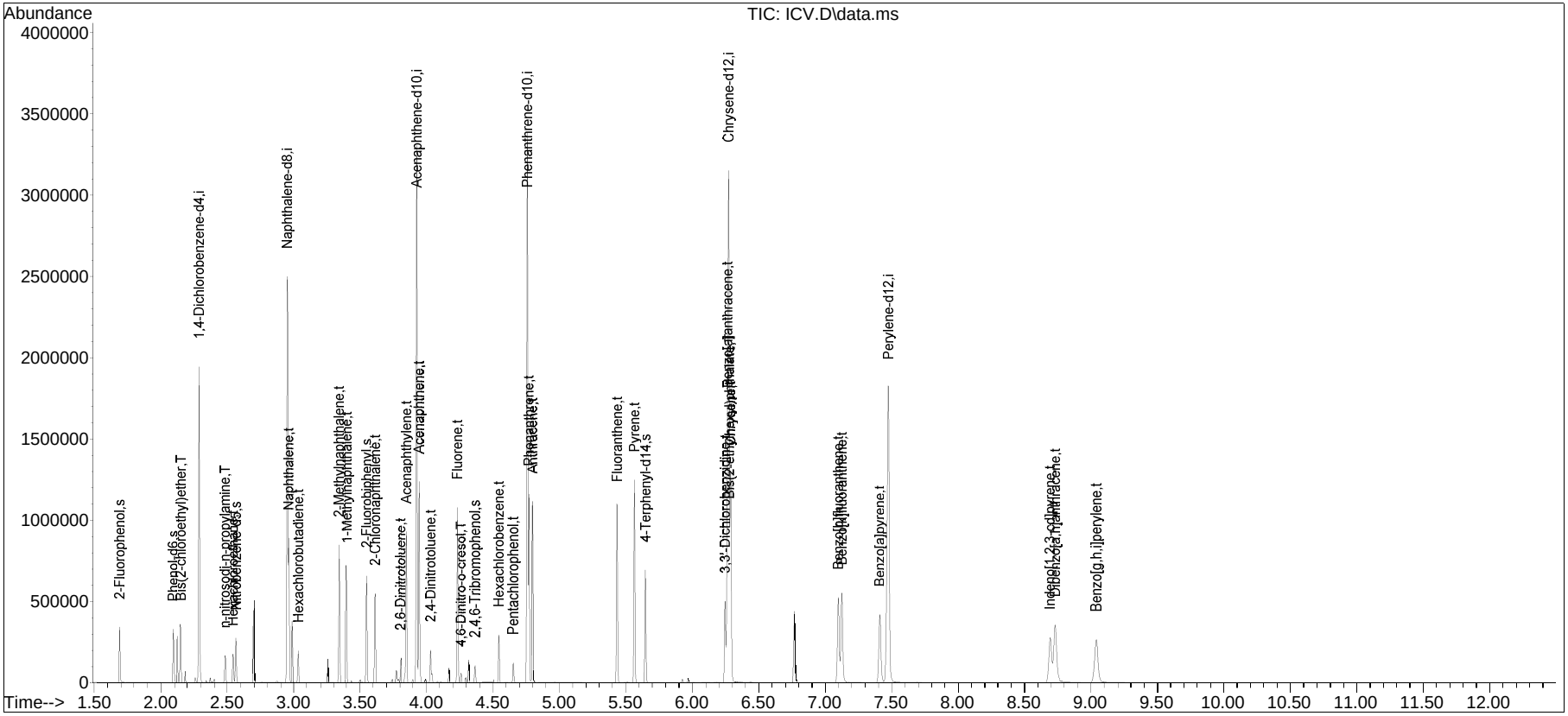
(#) = qualifier out of range (m) = manual integration (+) = signals summed

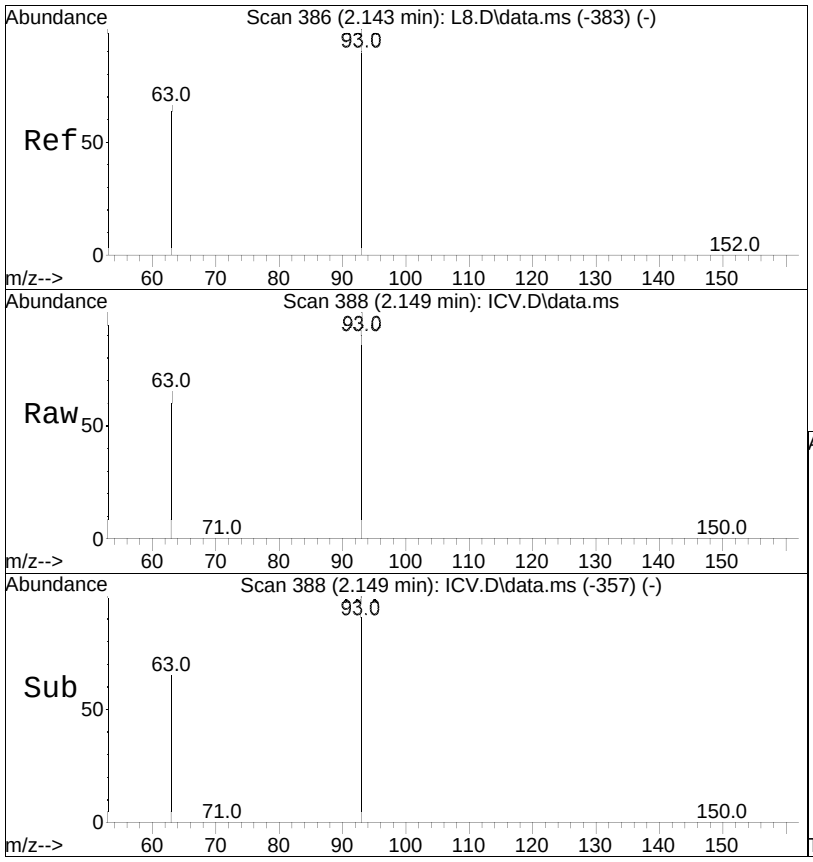
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\2024\241025RVTical\
Data File : ICV.D
Acq On : 25 Oct 2024 07:38 pm
Operator : SV118:dv
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG1990947,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 04 11:31:43 2024
Quant Method : I:\8270SIM\SV118\2024\241025RVTical\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Dec 04 11:32:57 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

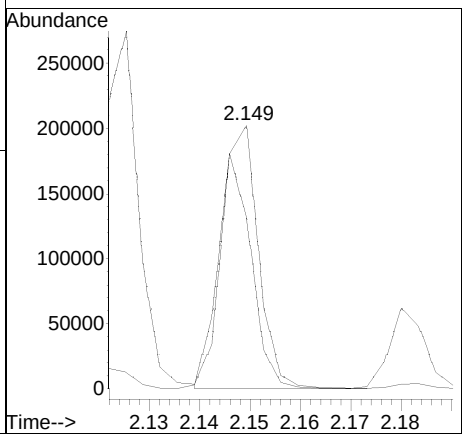


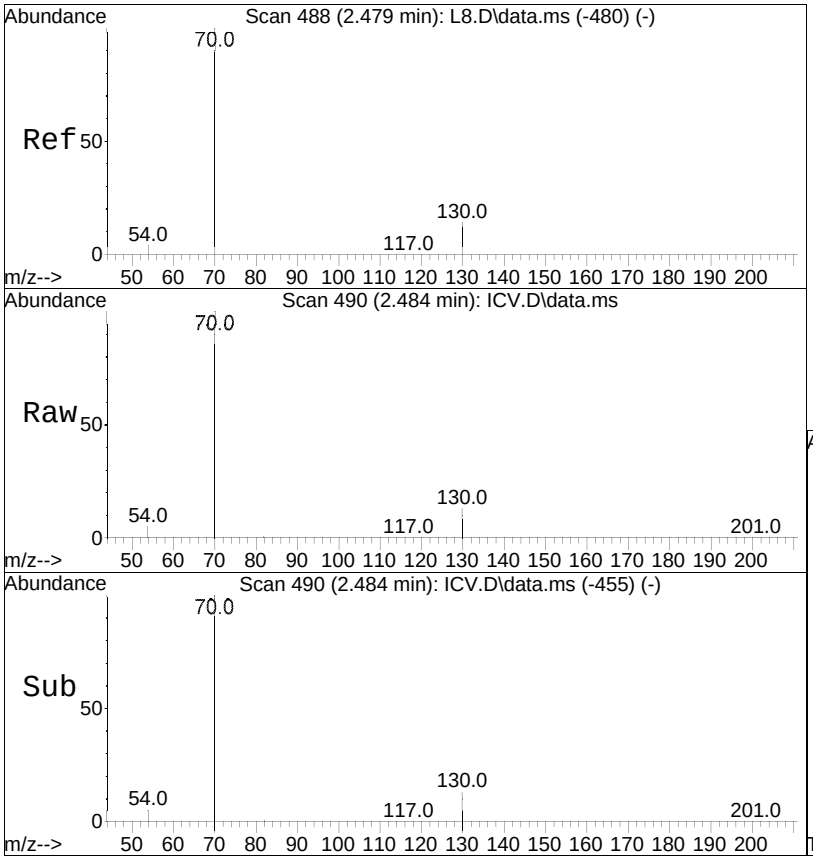


#4
Bis(2-chloroethyl)ether
Concen: 968.72 ng/ml
RT: 2.149 min Scan# 388
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion: 93 Resp: 101617

Ion	Ratio	Lower	Upper
93	100		
63	82.0	68.1	102.1

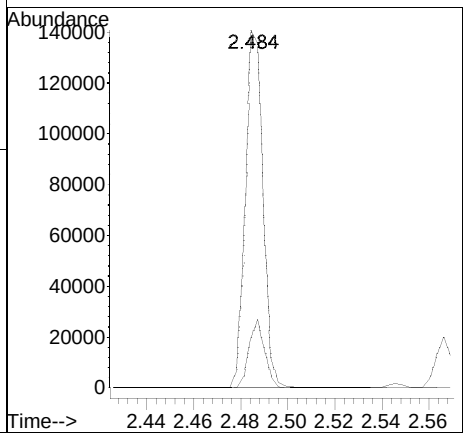


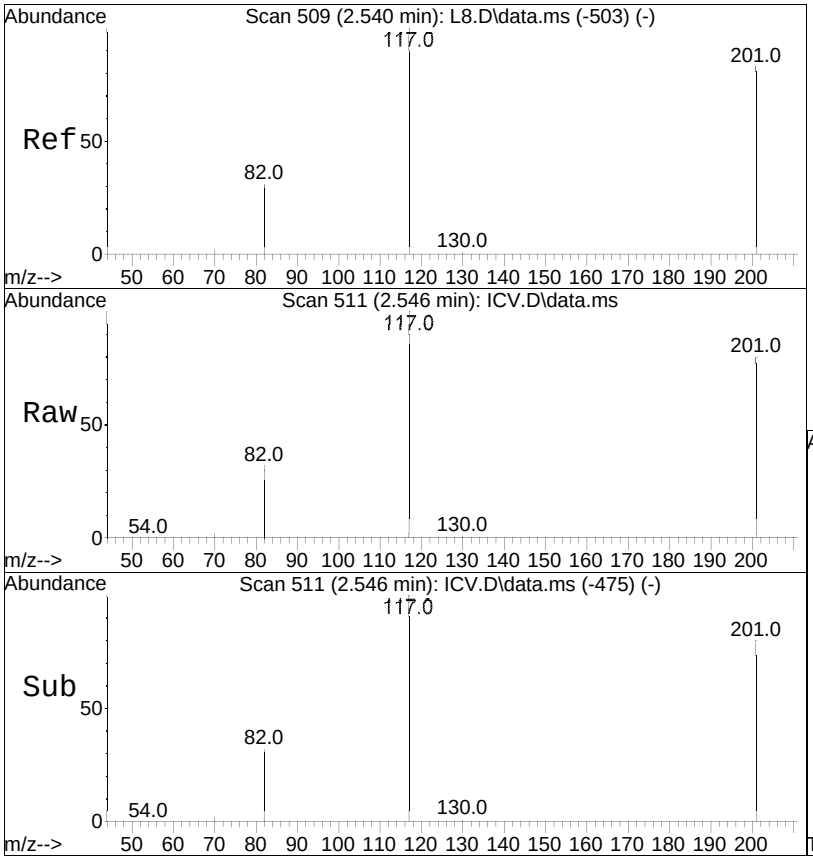


#5
n-nitrosodi-n-propylamine
Concen: 923.91 ng/ml
RT: 2.484 min Scan# 490
Delta R.T. 0.005 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion: 70 Resp: 71872

Ion	Ratio	Lower	Upper
70	100		
130	17.3	13.0	19.4

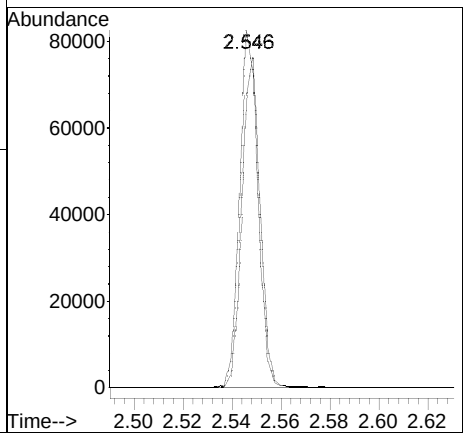


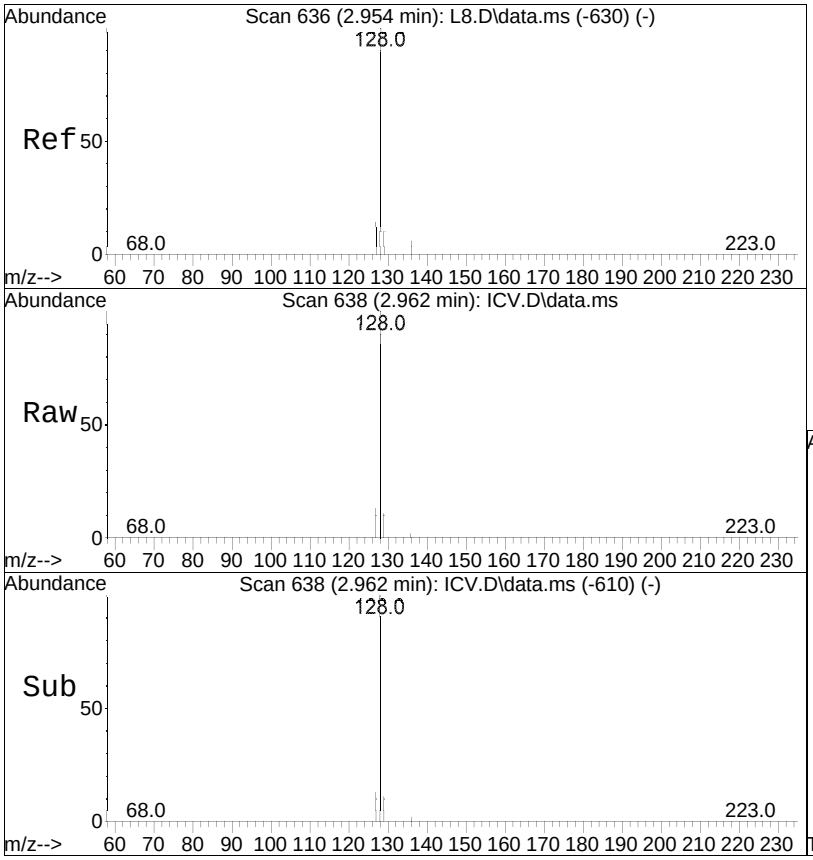


#6
Hexachloroethane
Concen: 933.59 ng/ml
RT: 2.546 min Scan# 511
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:117 Resp: 41469

Ion	Ratio	Lower	Upper
117	100		
201	92.4	84.9	127.3

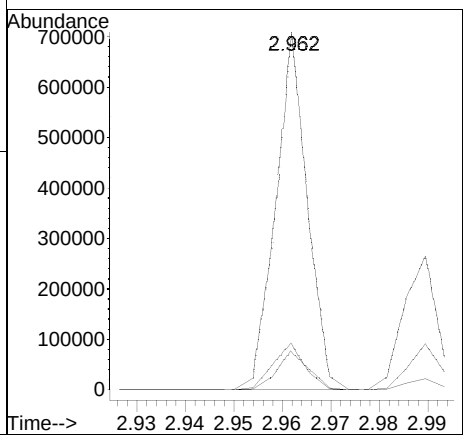


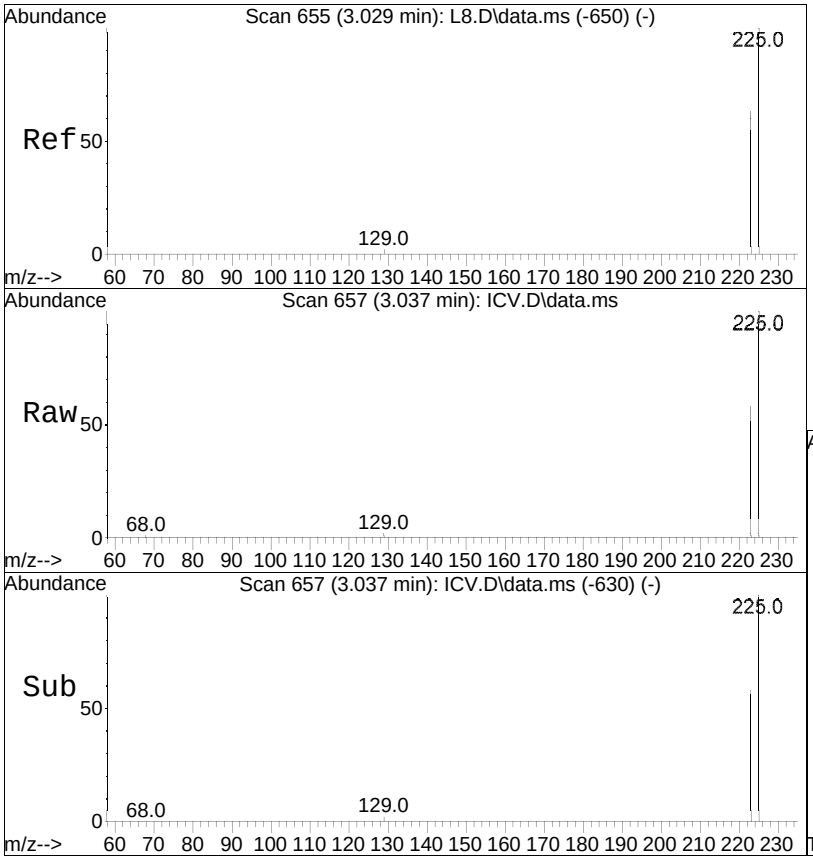


#9
Naphthalene
Concen: 921.40 ng/ml
RT: 2.962 min Scan# 638
Delta R.T. 0.008 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:128 Resp: 317734

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.3	10.7	16.1

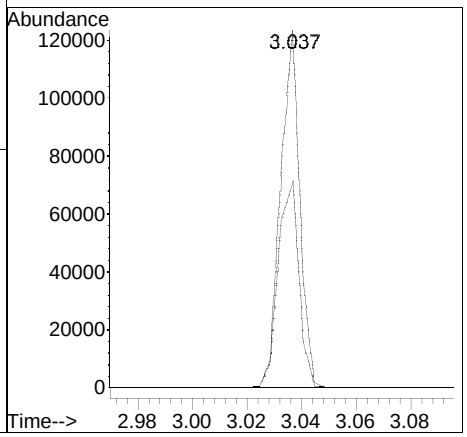


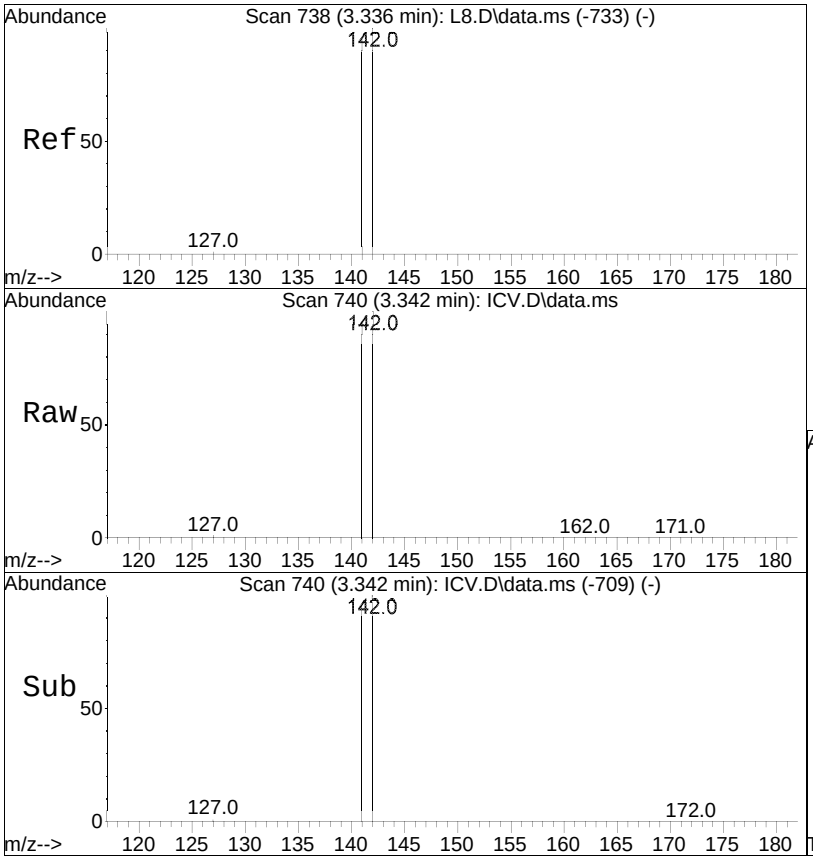


#10
Hexachlorobutadiene
Concen: 957.79 ng/ml
RT: 3.037 min Scan# 657
Delta R.T. 0.008 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:225 Resp: 58621

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.4	75.6

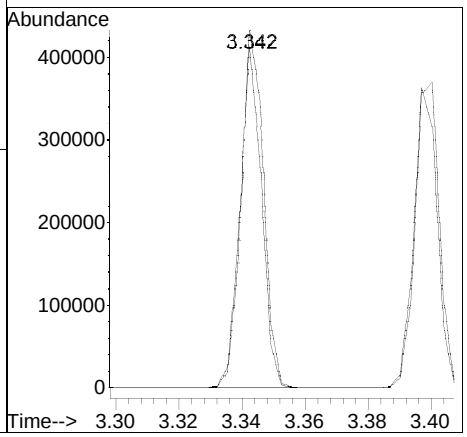


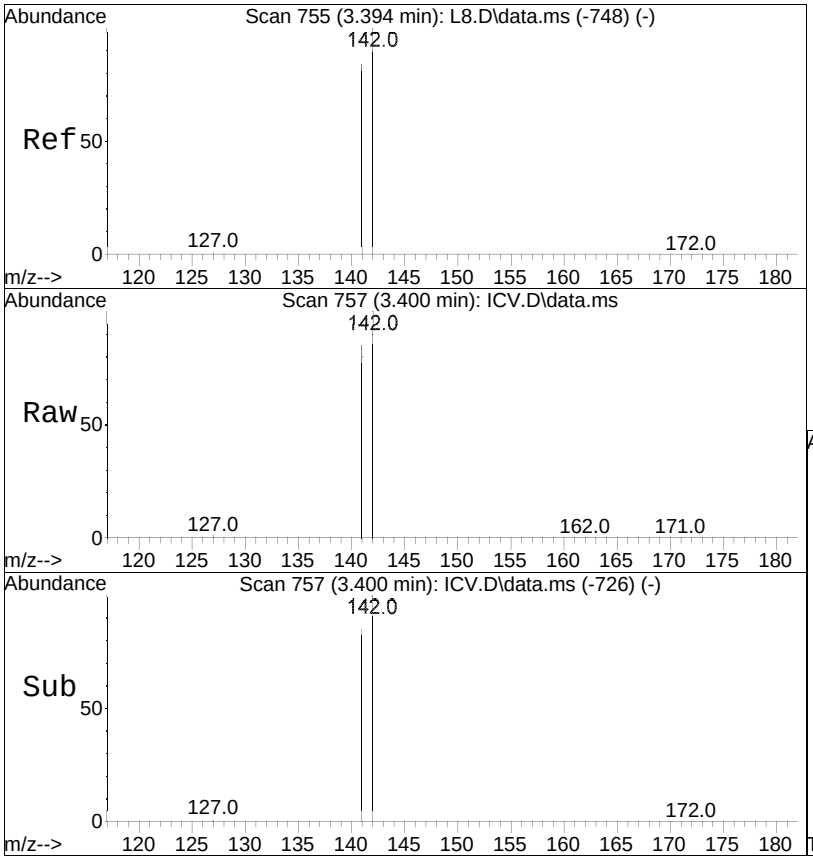


#11
2-Methylnaphthalene
Concen: 961.97 ng/ml
RT: 3.342 min Scan# 740
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:142 Resp: 212474

Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.8	107.8

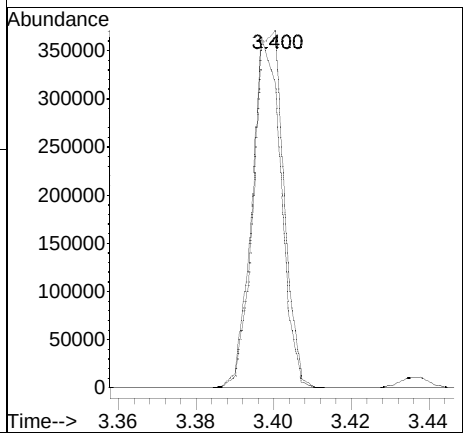


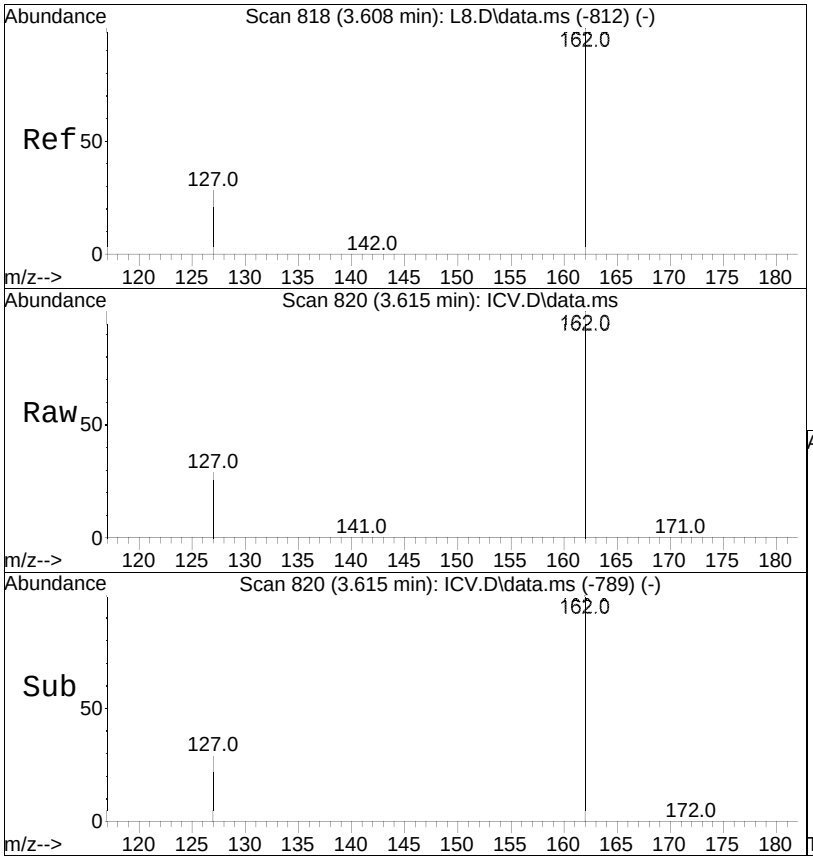


#12
1-Methylnaphthalene
Concen: 958.19 ng/ml
RT: 3.400 min Scan# 757
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:142 Resp: 196895

Ion	Ratio	Lower	Upper
142	100		
141	94.3	74.6	111.8

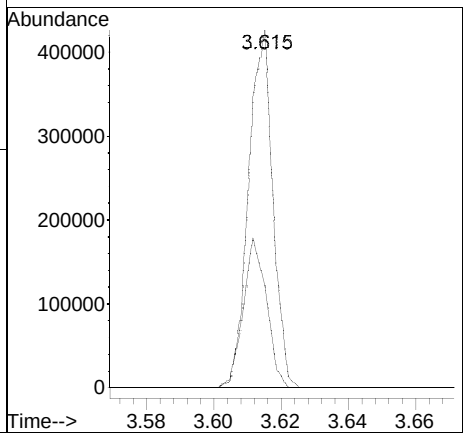


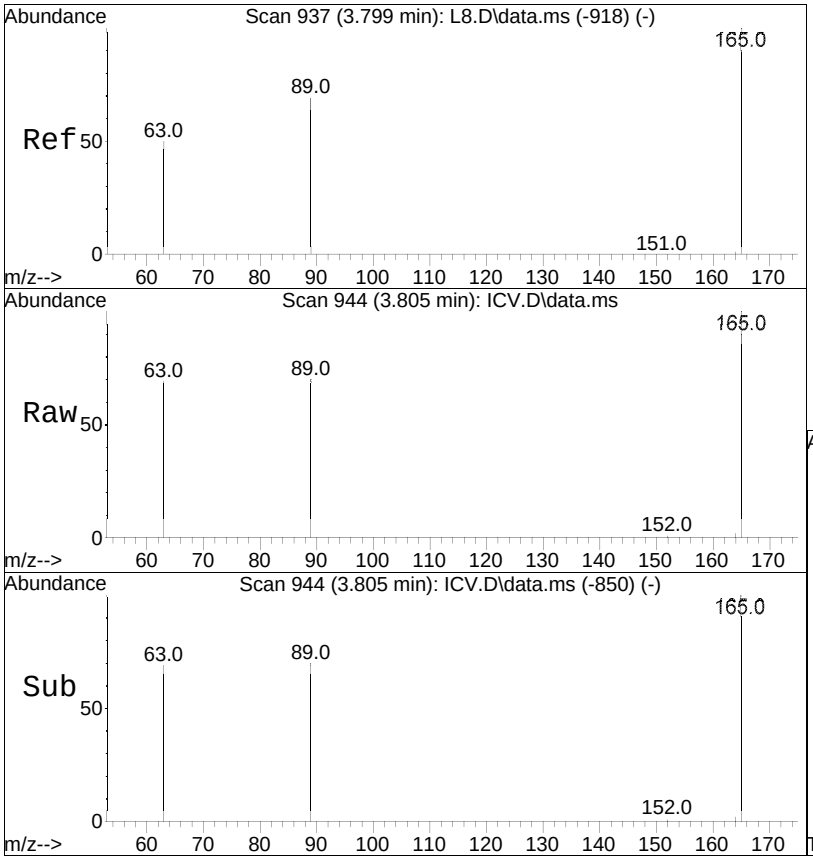


#14
2-Chloronaphthalene
Concen: 944.99 ng/ml
RT: 3.615 min Scan# 820
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:162 Resp: 209488

Ion	Ratio	Lower	Upper
162	100		
127	40.4	26.9	40.3#

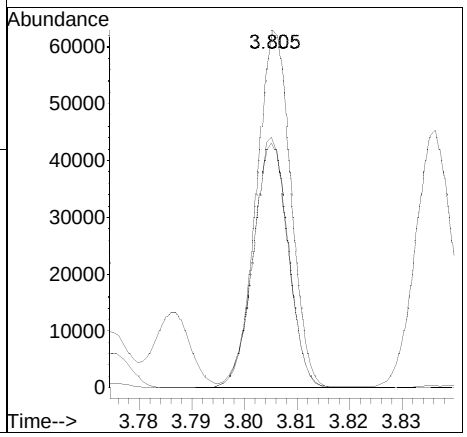


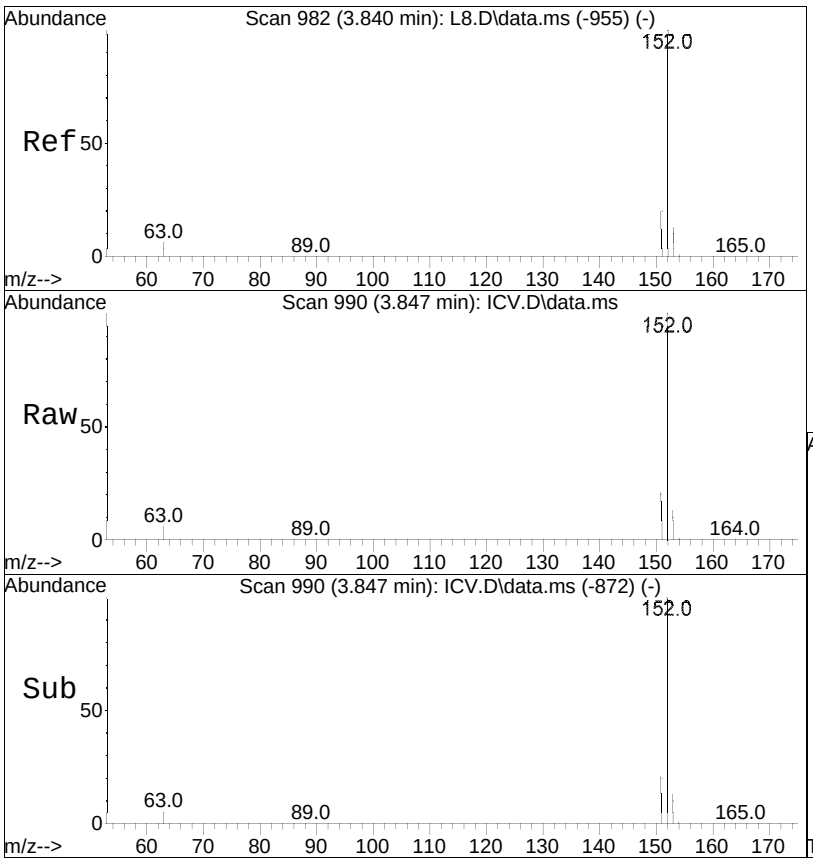


#15
2,6-Dinitrotoluene
Concen: 953.06 ng/ml
RT: 3.805 min Scan# 944
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:165 Resp: 28596

Ion	Ratio	Lower	Upper
165	100		
89	70.1	44.0	66.0#
63	69.0	47.5	71.3

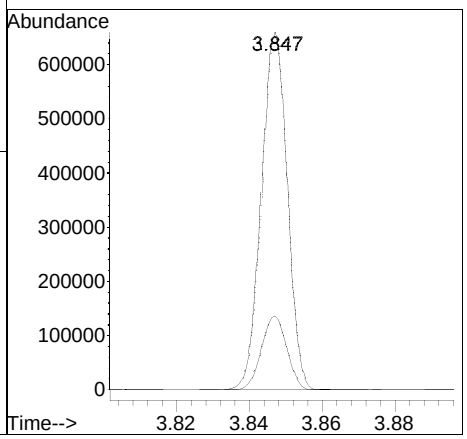


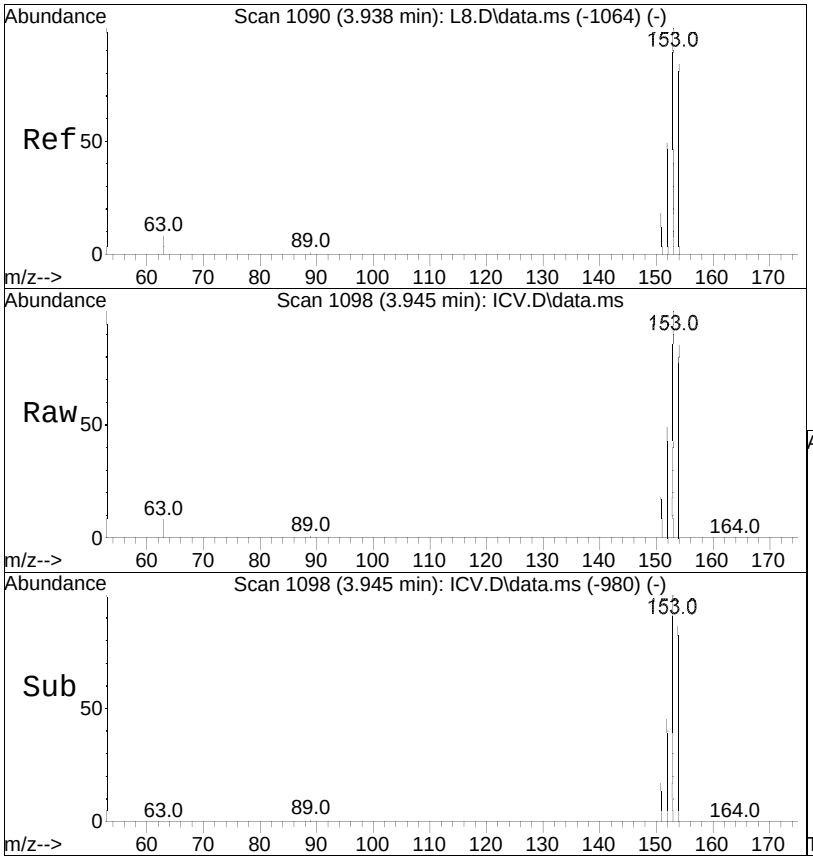


#16
Acenaphthylene
Concen: 982.18 ng/ml
RT: 3.847 min Scan# 990
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:152 Resp: 322323

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2

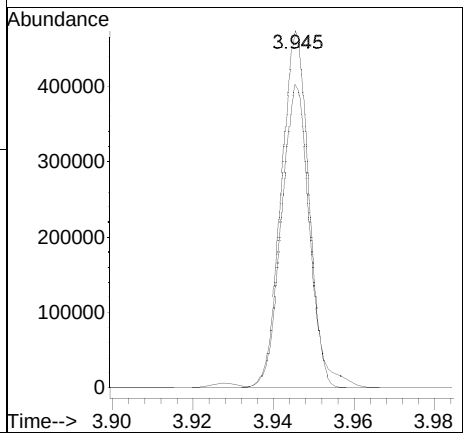


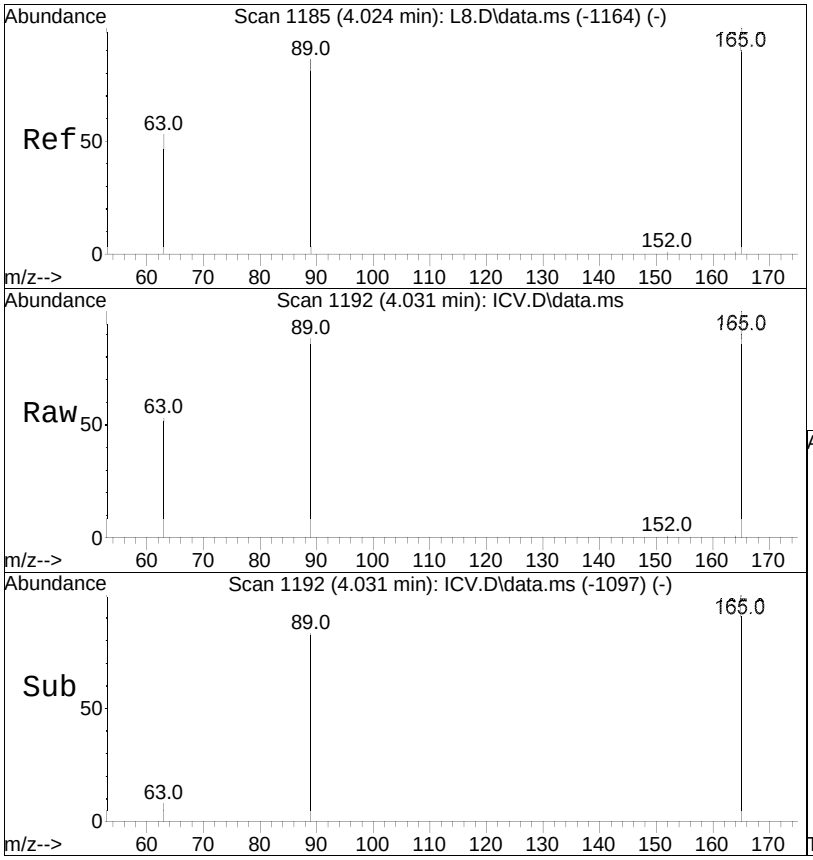


#18
Acenaphthene
Concen: 918.02 ng/ml
RT: 3.945 min Scan# 1098
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:153 Resp: 221633

Ion	Ratio	Lower	Upper
153	100		
154	88.2	68.2	102.4

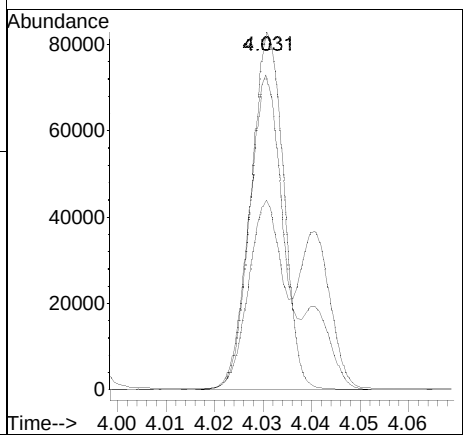


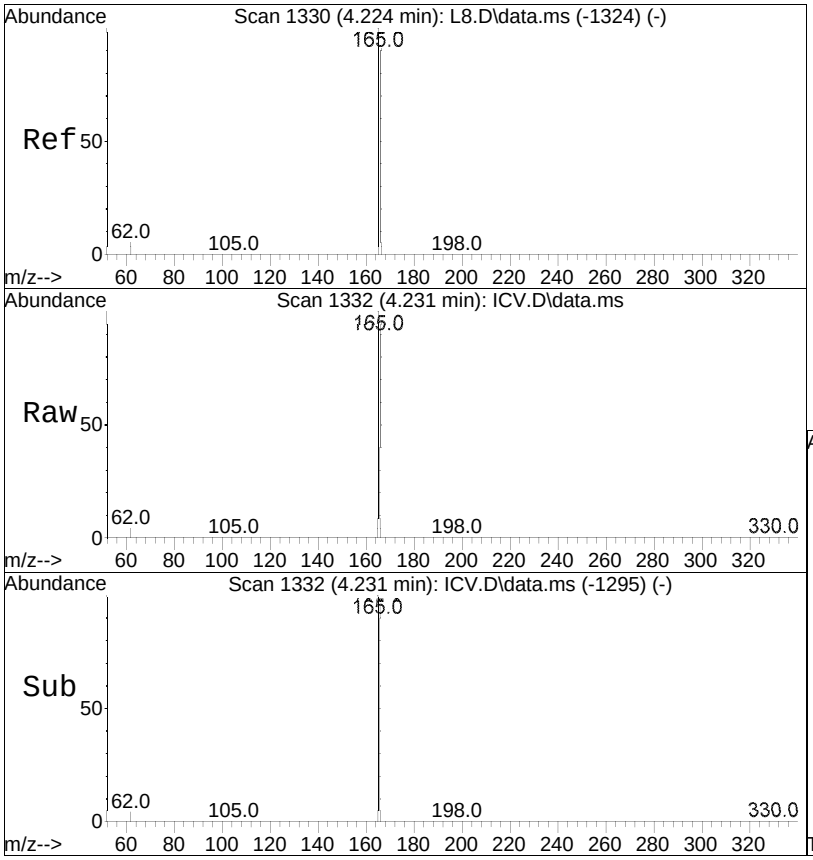


#19
2,4-Dinitrotoluene
Concen: 839.44 ng/ml
RT: 4.031 min Scan# 1192
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:165 Resp: 38286

Ion	Ratio	Lower	Upper
165	100		
89	92.1	64.6	96.8
63	52.9	56.5	84.7#

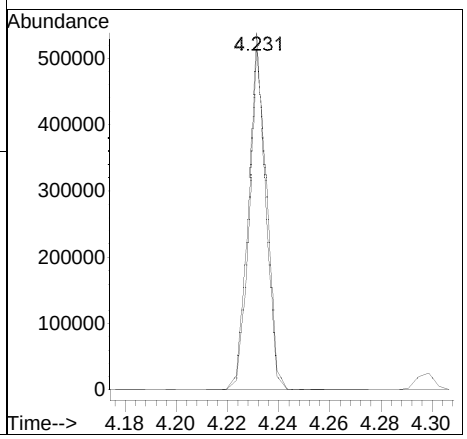


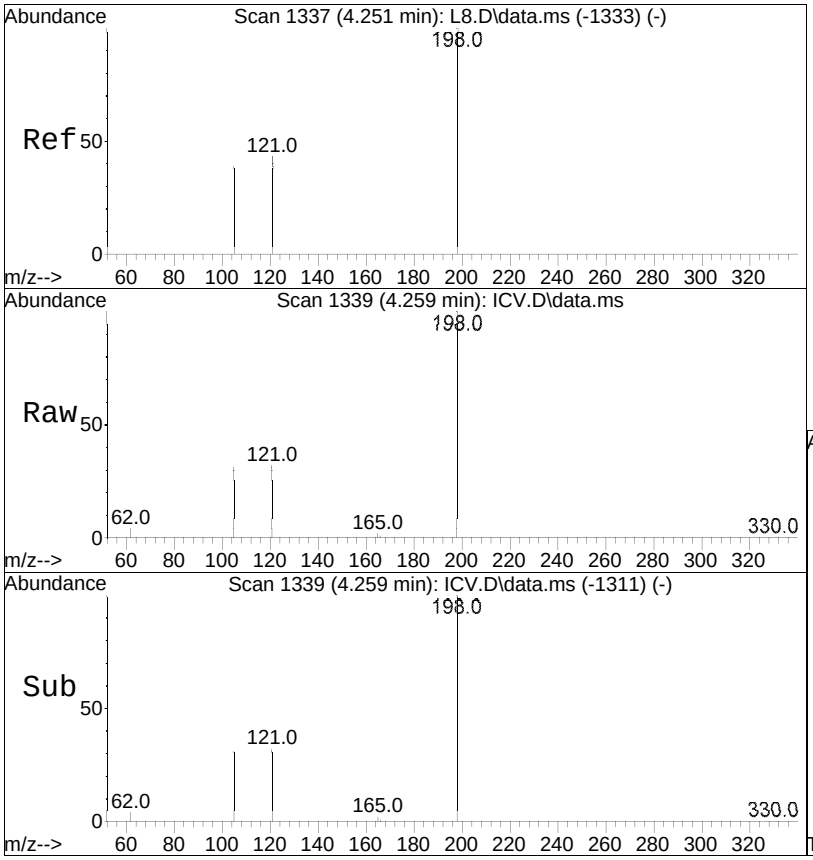


#20
Fluorene
Concen: 948.74 ng/ml
RT: 4.231 min Scan# 1332
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:166 Resp: 244027

Ion	Ratio	Lower	Upper
166	100		
165	101.9	80.5	120.7

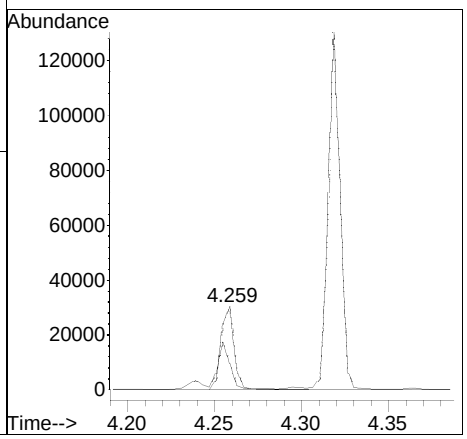


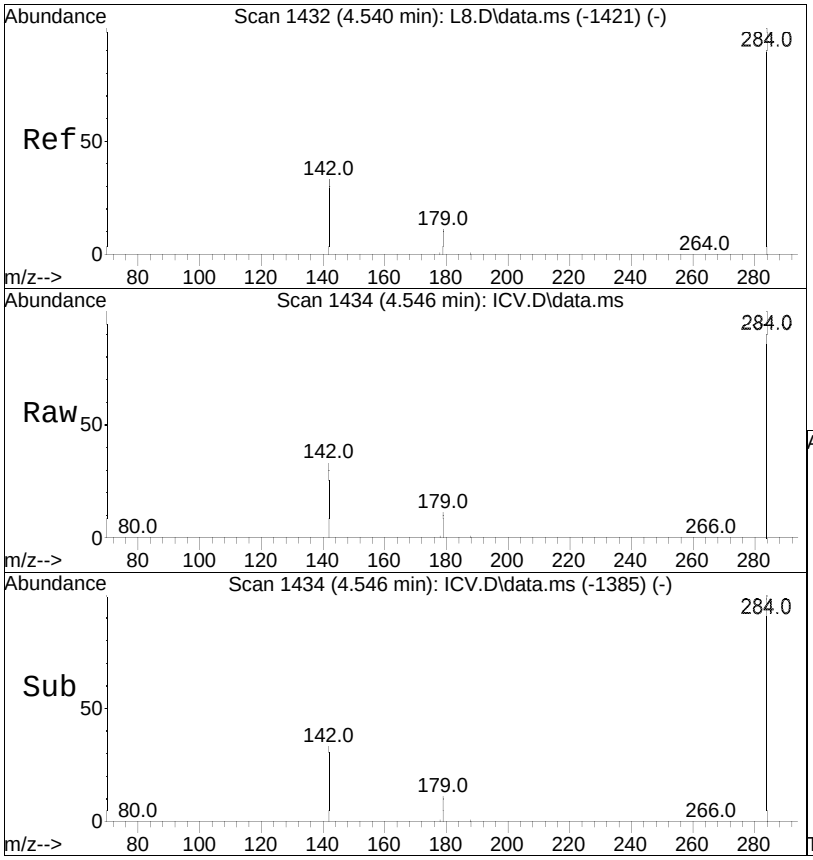


#23
4,6-Dinitro-o-cresol
Concen: 815.96 ng/ml
RT: 4.259 min Scan# 1339
Delta R.T. 0.008 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:198 Resp: 15870

Ion	Ratio	Lower	Upper
198	100		
105	52.4	31.8	47.6#

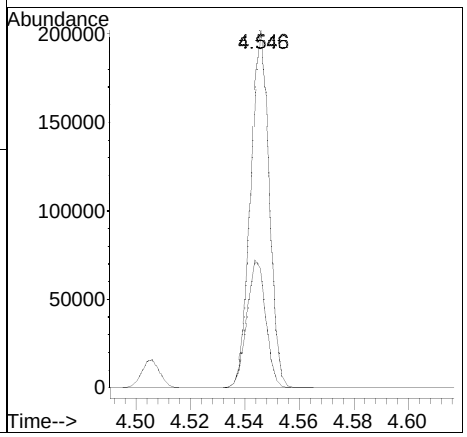


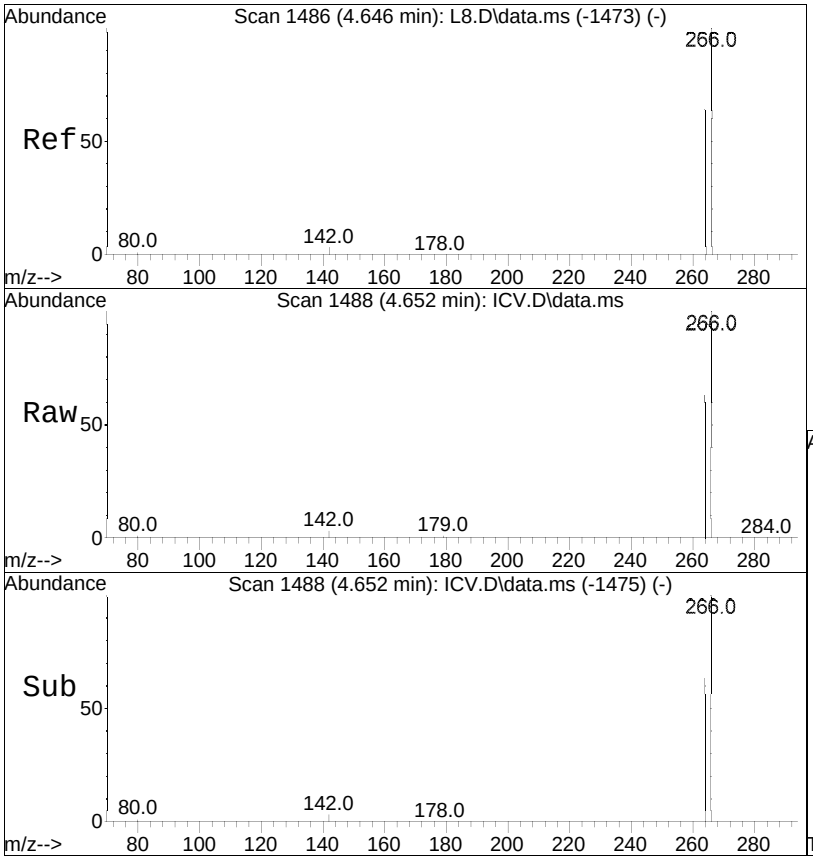


#24
Hexachlorobenzene
Concen: 929.86 ng/ml
RT: 4.546 min Scan# 1434
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:284 Resp: 94894

Ion	Ratio	Lower	Upper
284	100		
142	36.2	28.4	42.6

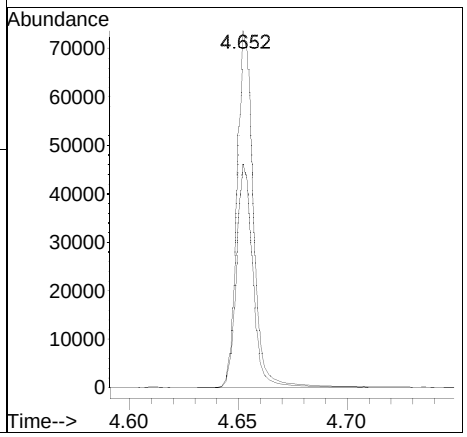


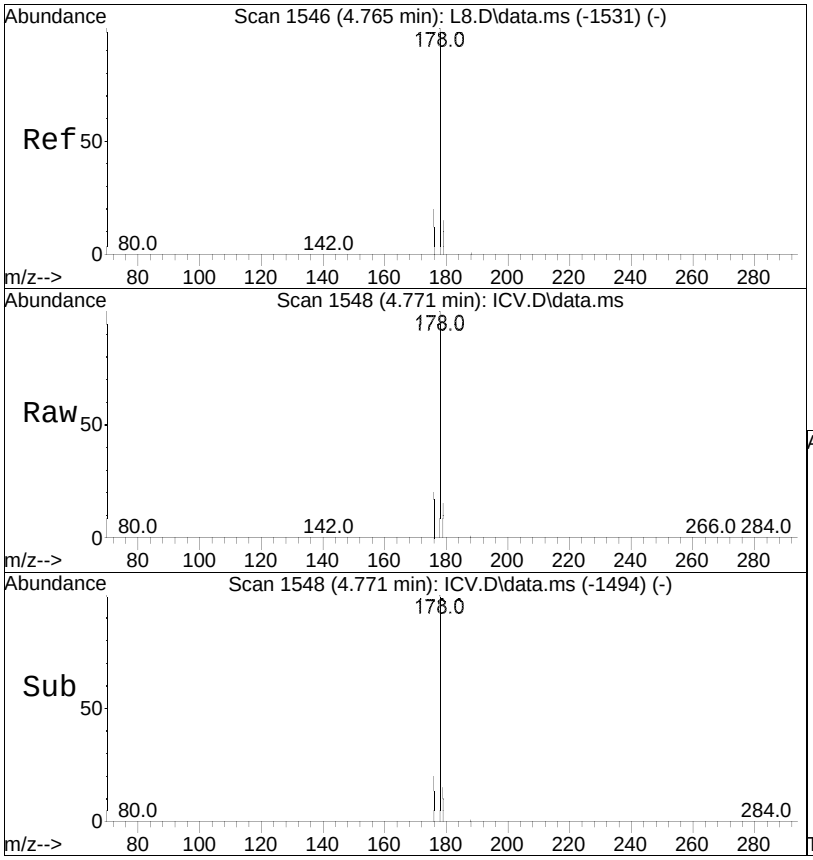


#25
Pentachlorophenol
Concen: 1012.48 ng/ml M2
RT: 4.652 min Scan# 1488
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:266 Resp: 38433

Ion	Ratio	Lower	Upper
266	100		
264	0.0	50.6	76.0#

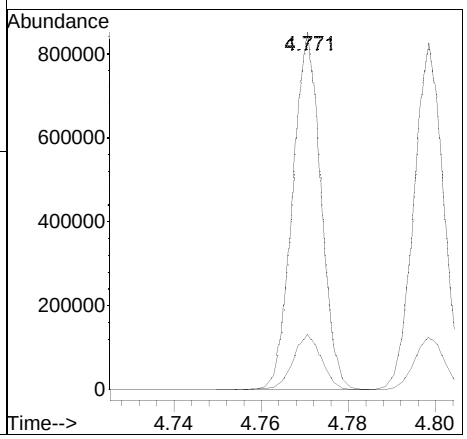


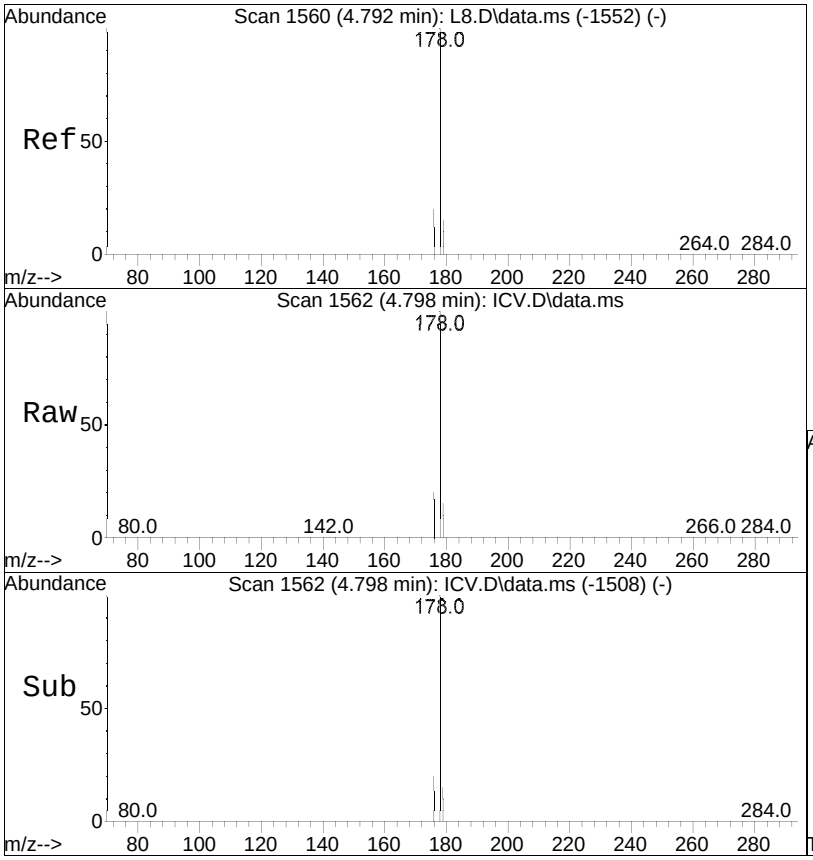


#26
Phenanthrene
Concen: 914.95 ng/ml M3
RT: 4.771 min Scan# 1548
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:178 Resp: 385001

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7

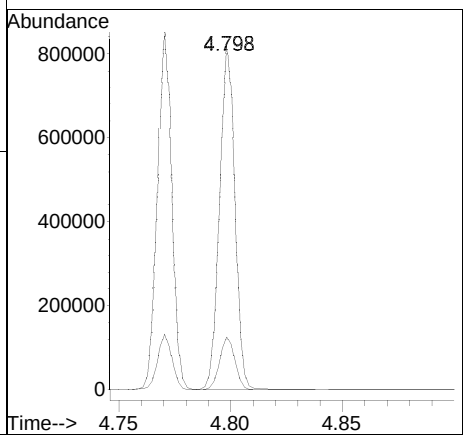


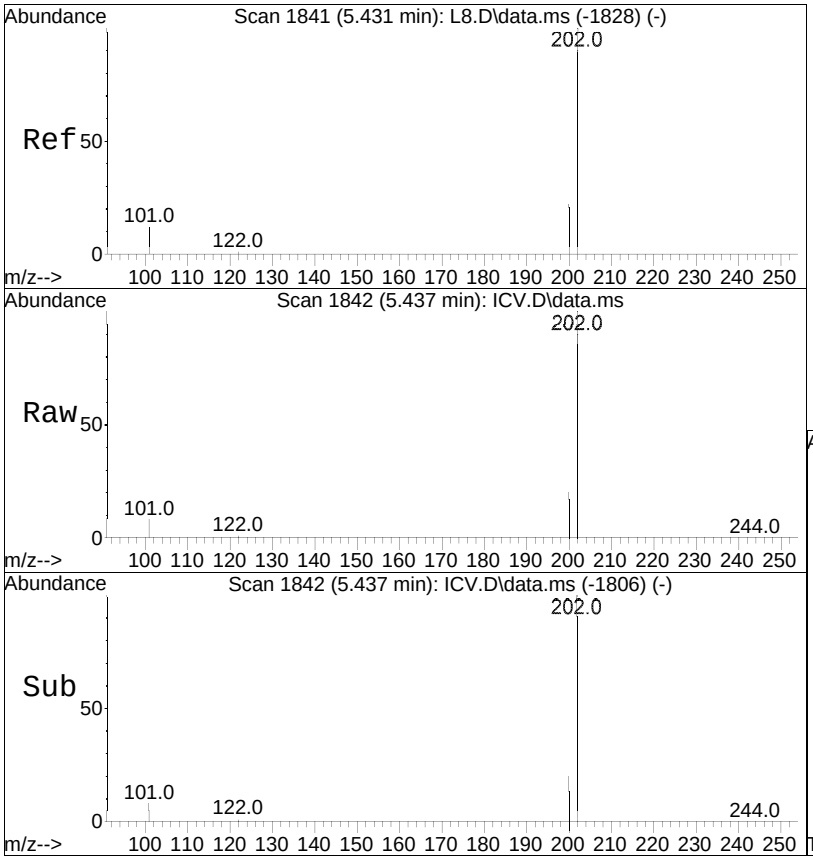


#27
Anthracene
Concen: 948.52 ng/ml
RT: 4.798 min Scan# 1562
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:178 Resp: 391693

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.5	18.7

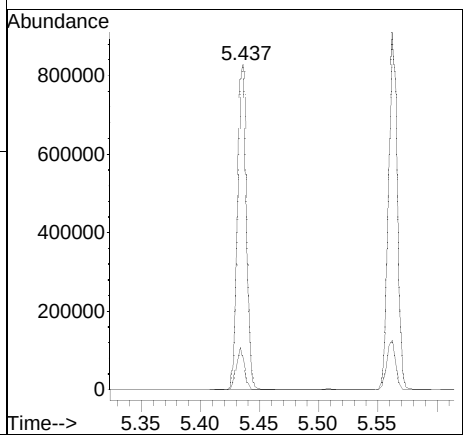


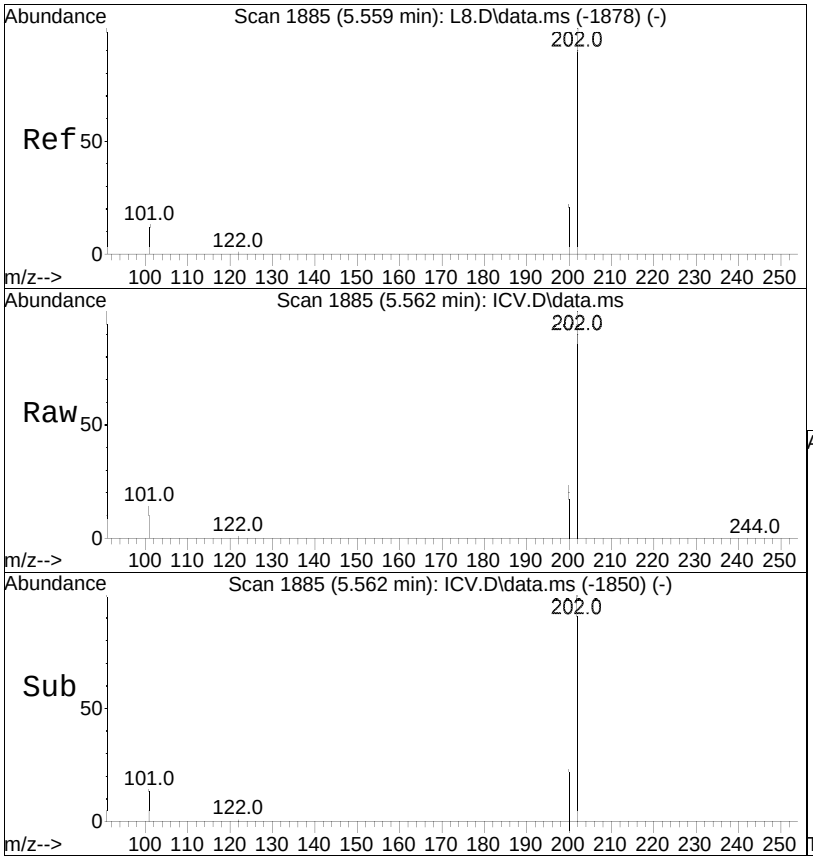


#28
Fluoranthene
Concen: 936.64 ng/ml
RT: 5.437 min Scan# 1842
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:202 Resp: 441182

Ion	Ratio	Lower	Upper
202	100		
101	11.7	6.9	10.3#

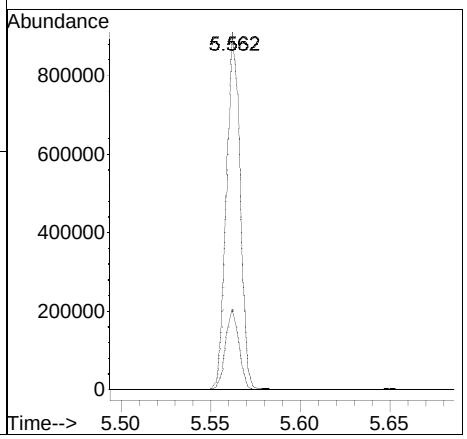


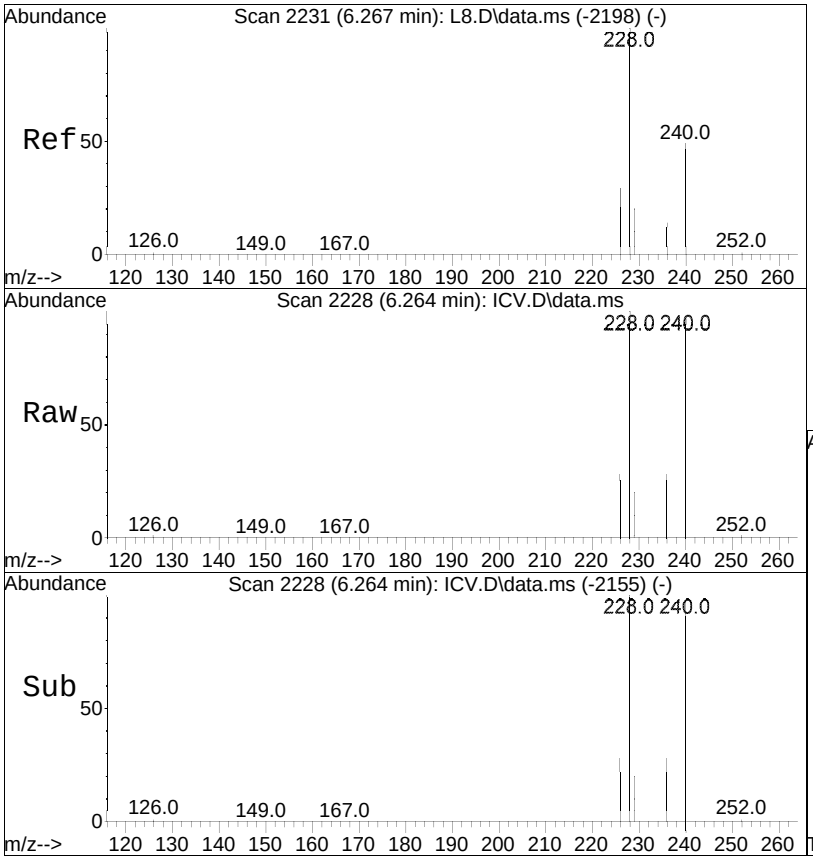


#29
Pyrene
Concen: 952.78 ng/ml
RT: 5.562 min Scan# 1885
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:202 Resp: 476733

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.0

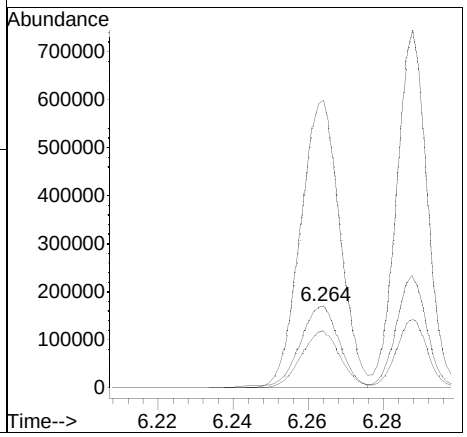


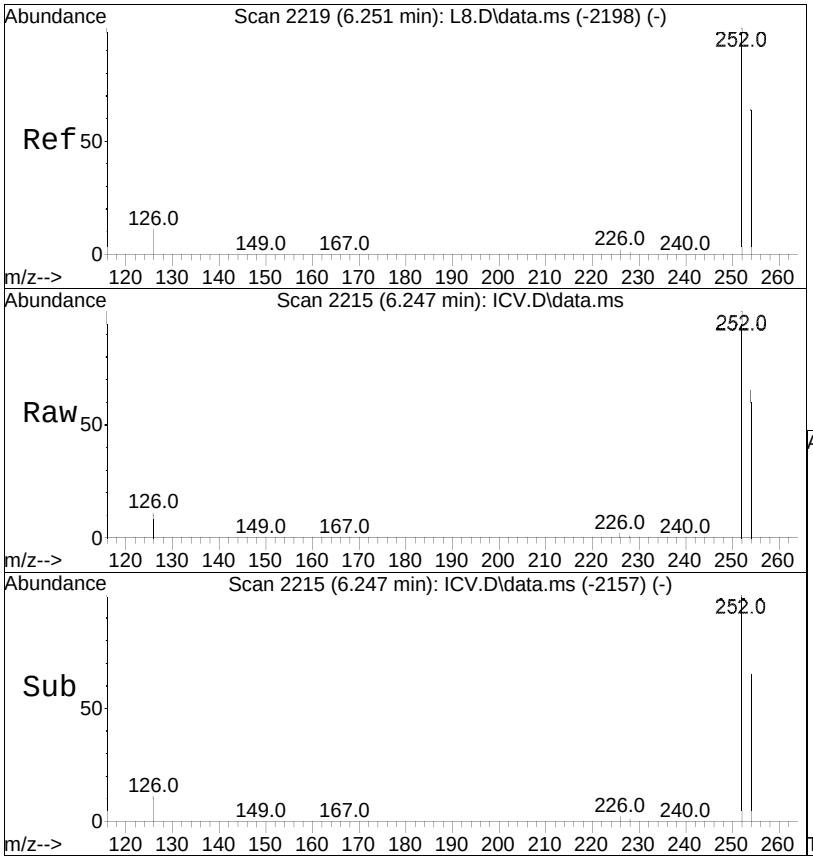


#32
Benzo[a]anthracene
Concen: 855.11 ng/ml
RT: 6.264 min Scan# 2228
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:226 Resp: 125600

Ion	Ratio	Lower	Upper
226	100		
227	0.0	0.0	0.0
228	345.9	284.1	426.1
229	68.3	56.6	85.0

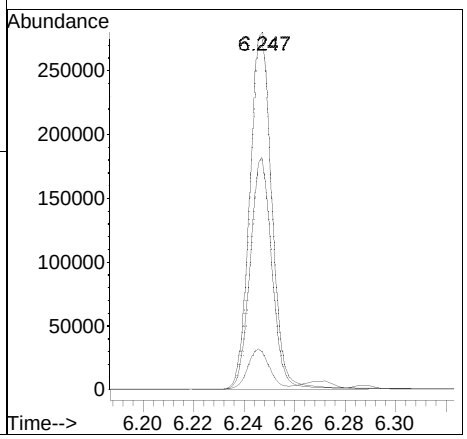


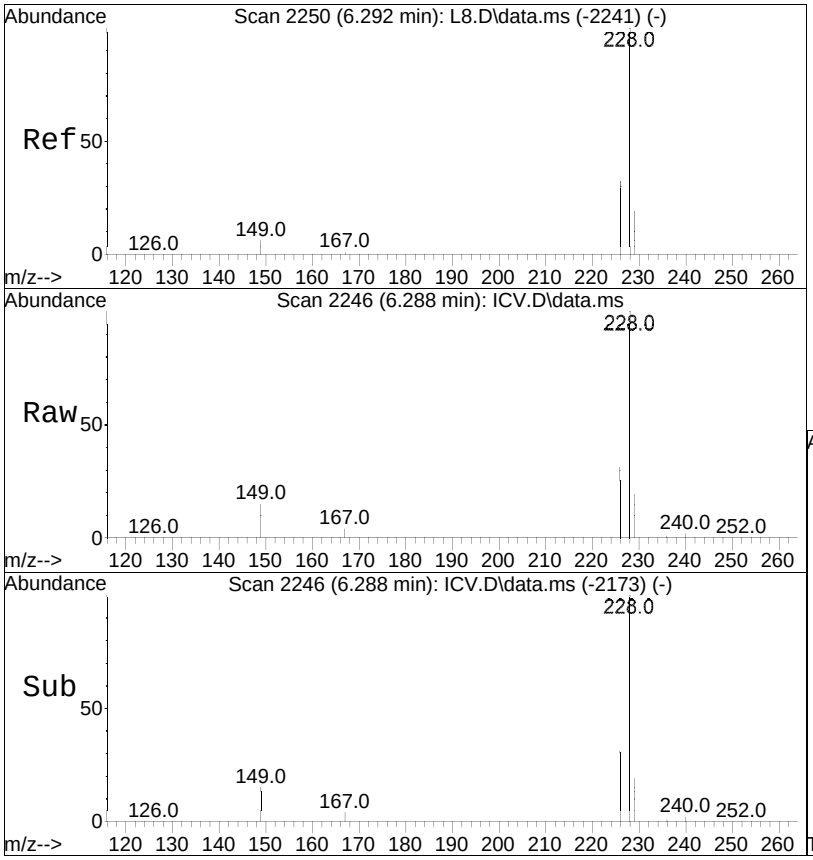


#33
3,3'-Dichlorobenzidine
Concen: 1066.32 ng/ml
RT: 6.247 min Scan# 2215
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:252 Resp: 166953

Ion	Ratio	Lower	Upper
252	100		
126	11.3	11.3	16.9
254	64.6	51.4	77.0

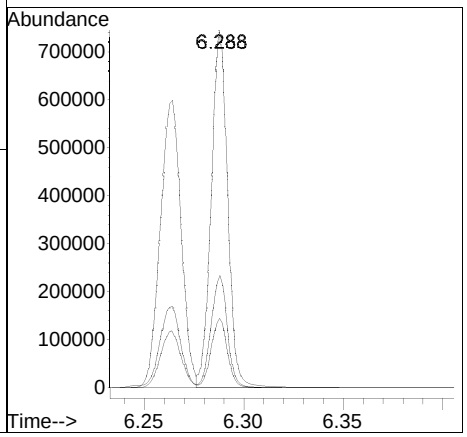


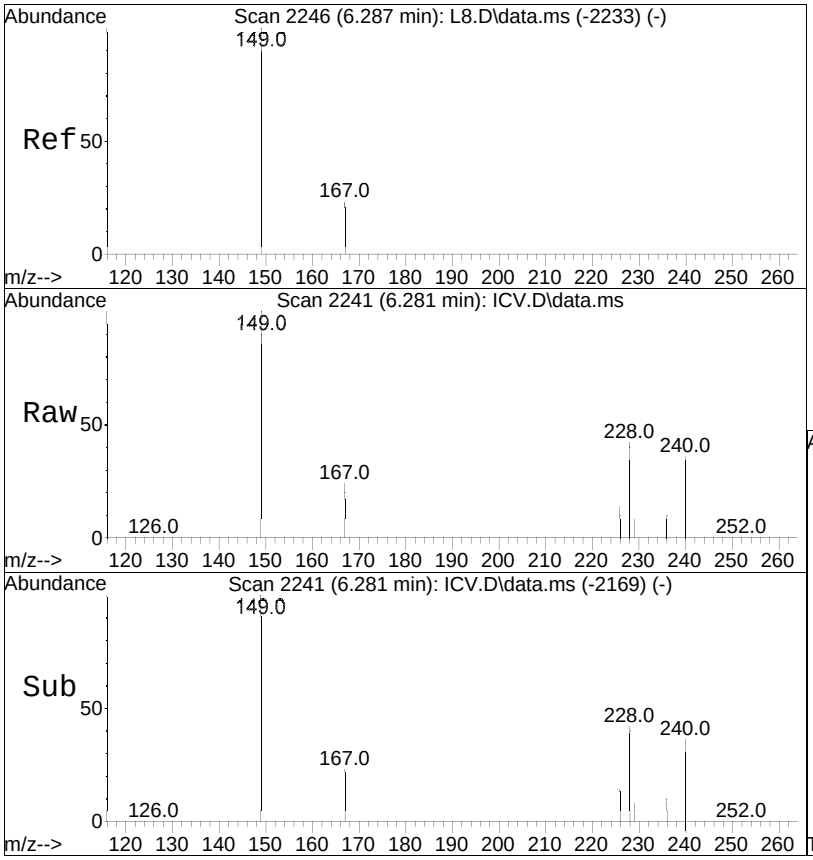


#34
Chrysene
Concen: 943.47 ng/ml
RT: 6.288 min Scan# 2246
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:228 Resp: 426866

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.6	36.8
227	0.0	0.0	0.0
229	19.3	15.4	23.2

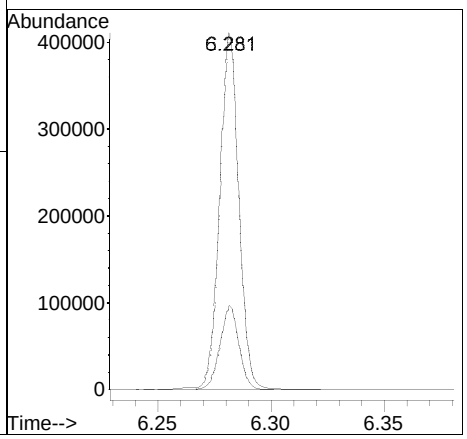


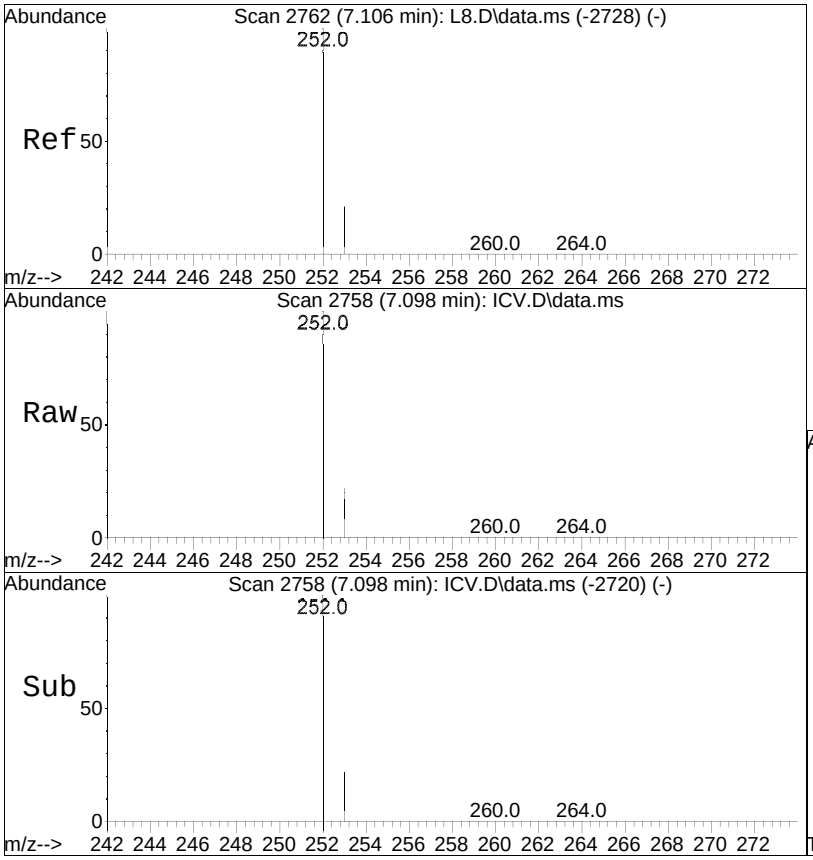


#35
Bis(2-ethylhexyl)phthalate
Concen: 907.51 ng/ml
RT: 6.281 min Scan# 2241
Delta R.T. -0.006 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:149 Resp: 236774

Ion	Ratio	Lower	Upper
149	100		
167	23.4	20.6	31.0

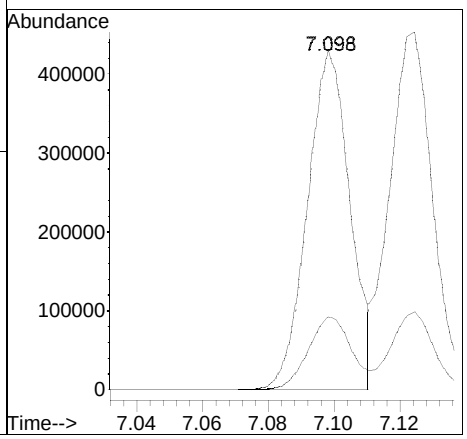


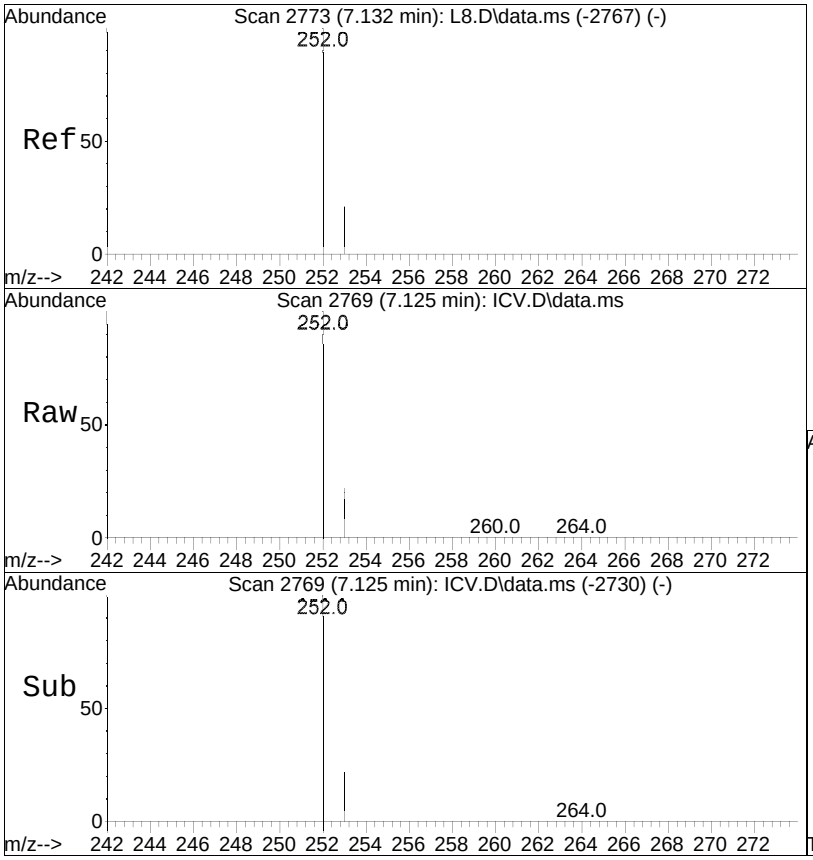


#37
Benzo[b]fluoranthene
Concen: 962.58 ng/ml
RT: 7.098 min Scan# 2758
Delta R.T. -0.008 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:252 Resp: 386845

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4

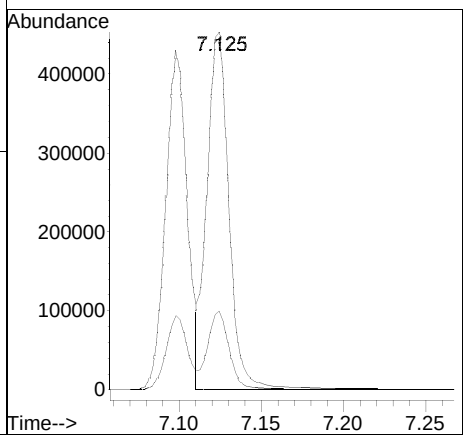


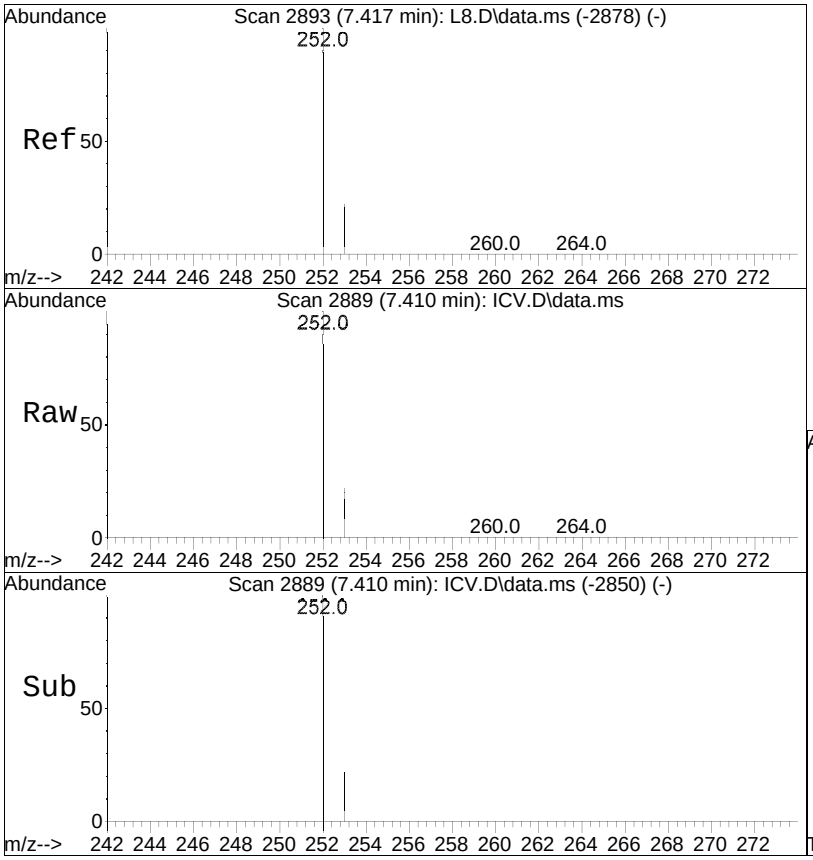


#38
Benzo[k]fluoranthene
Concen: 984.26 ng/ml
RT: 7.125 min Scan# 2769
Delta R.T. -0.007 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:252 Resp: 419398

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4

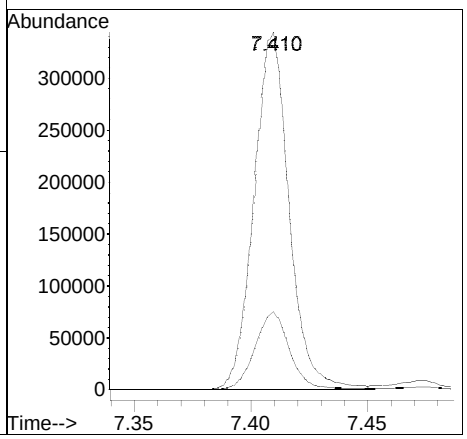


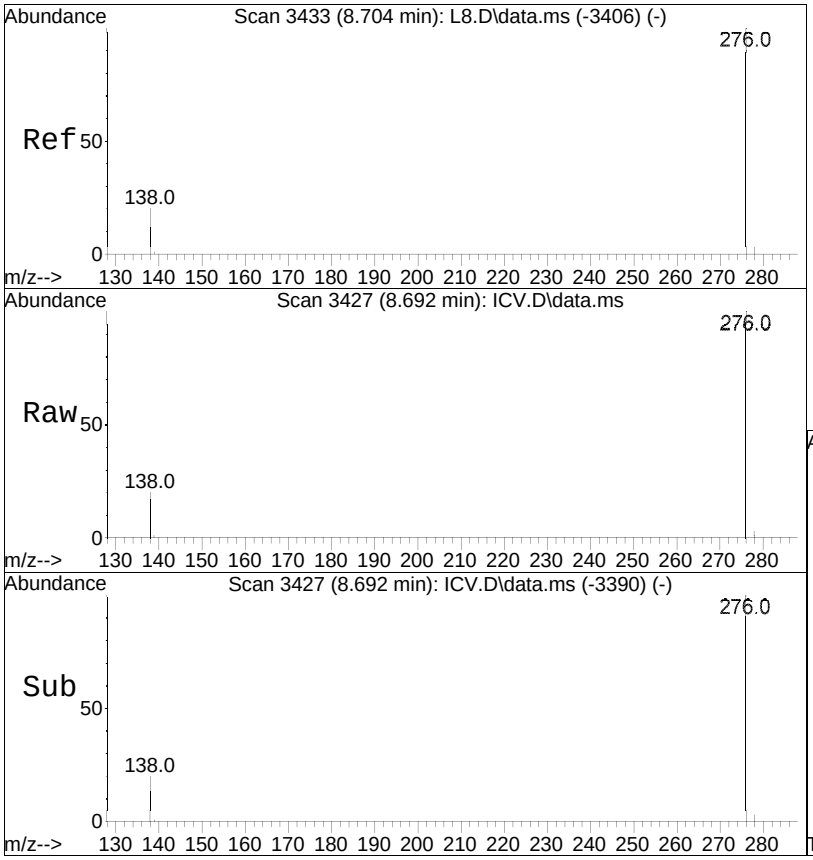


#39
Benzo[a]pyrene
Concen: 1003.79 ng/ml
RT: 7.410 min Scan# 2889
Delta R.T. -0.007 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:252 Resp: 356399

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3

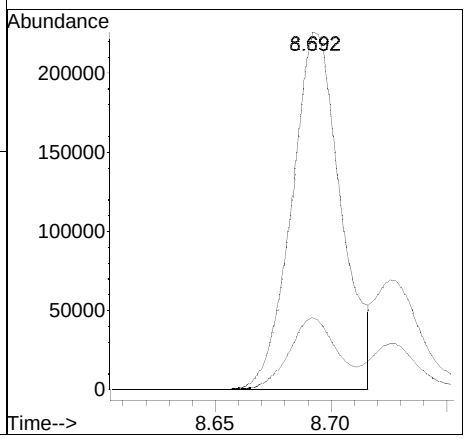


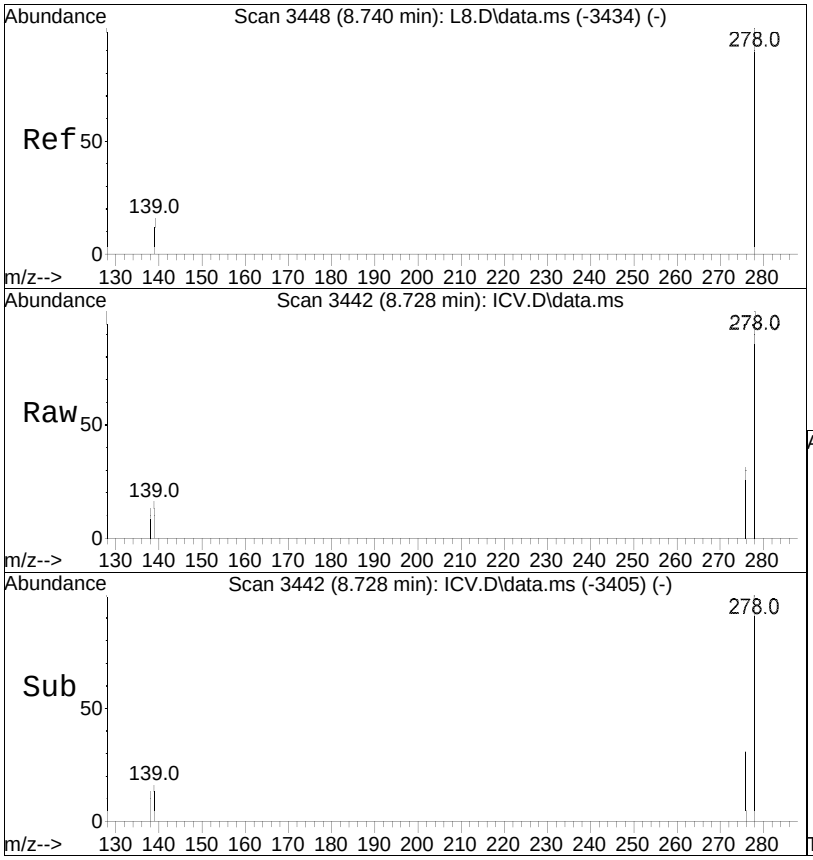


#40
Indeno[1,2,3-cd]pyrene
Concen: 1002.15 ng/ml
RT: 8.692 min Scan# 3427
Delta R.T. -0.012 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:276 Resp: 331722

Ion	Ratio	Lower	Upper
276	100		
138	19.7	11.8	17.6#

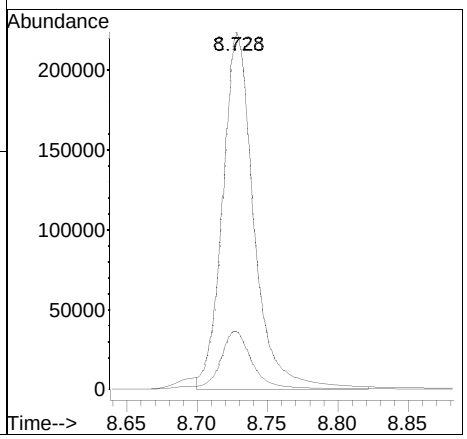


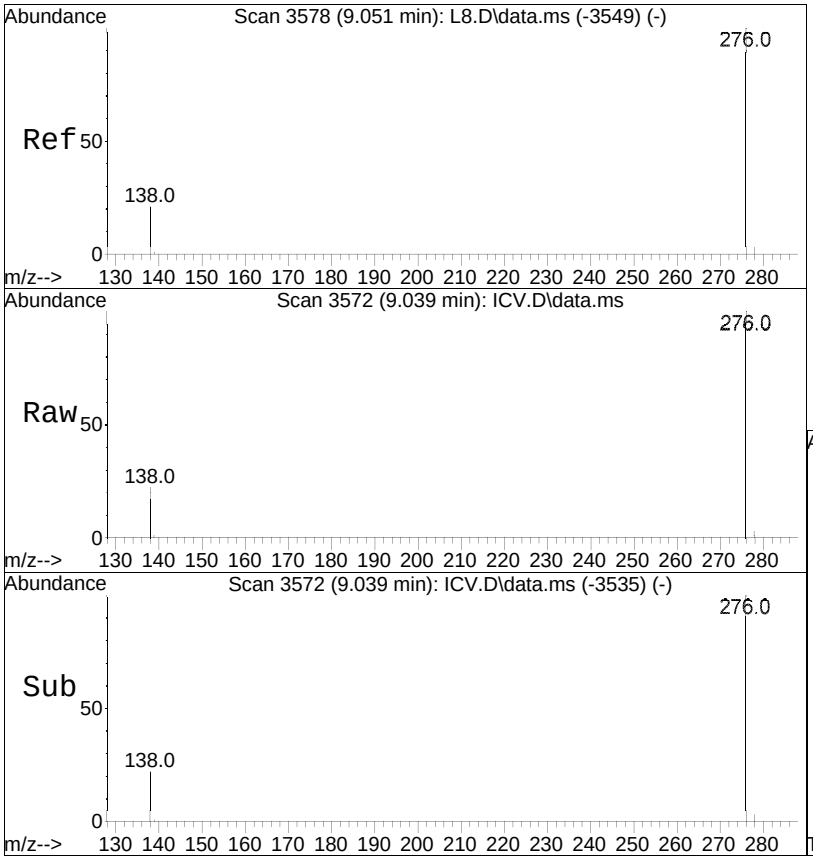


#41
Dibenzo[a,h]anthracene
Concen: 1018.90 ng/ml M6
RT: 8.728 min Scan# 3442
Delta R.T. -0.012 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:278 Resp: 343322

Ion	Ratio	Lower	Upper
278	100		
139	17.0	9.8	14.8#

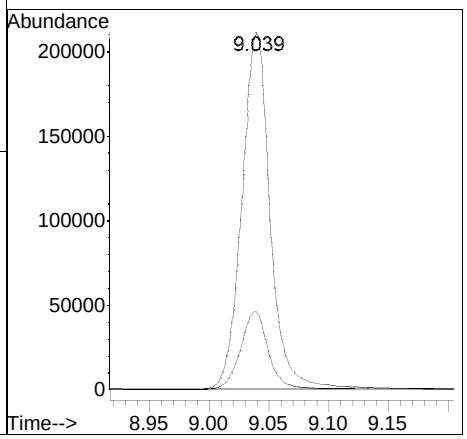




#42
Benzo[g,h,i]perylene
Concen: 984.59 ng/ml
RT: 9.039 min Scan# 3572
Delta R.T. -0.012 min
Lab File: ICV.D
Acq: 25 Oct 2024 07:38 pm

Tgt Ion:276 Resp: 341643

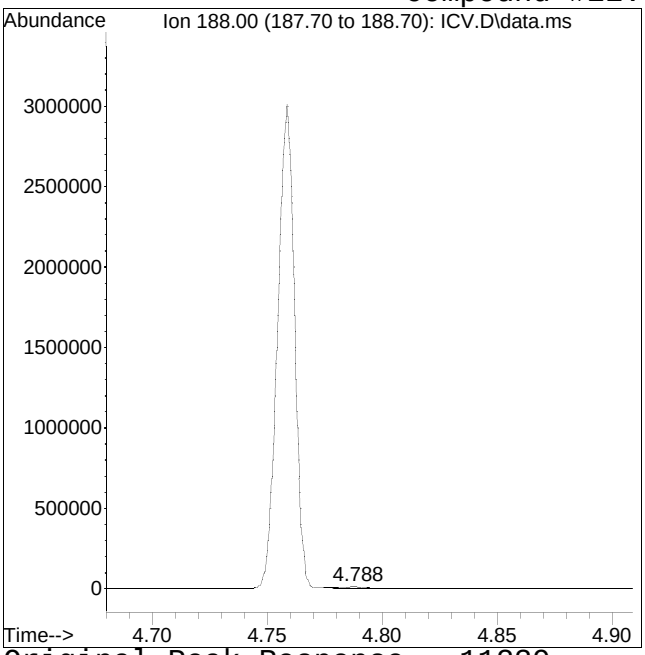
Ion	Ratio	Lower	Upper
276	100		
138	21.9	12.8	19.2#

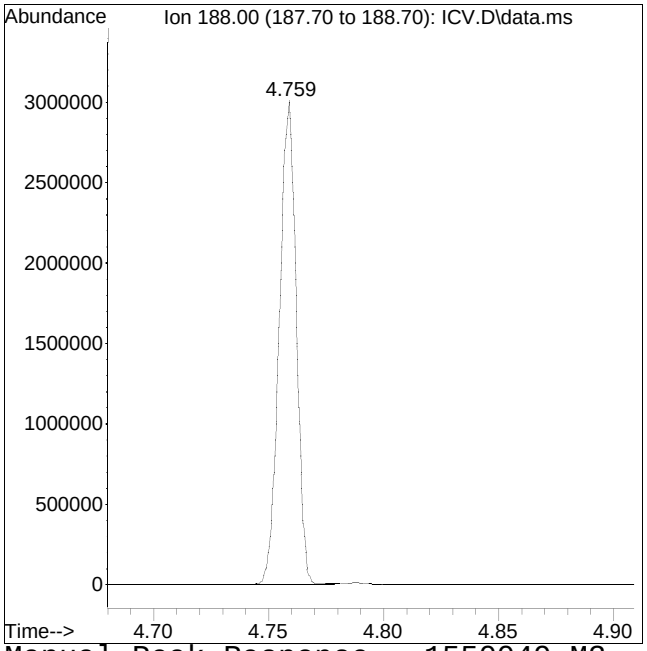


Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : ICV.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:38 pm Instrument : SV118
Sample : CQICV,32,, #10884 1000 ng/Quant Date : 12/4/2024 11:32 am

Compound #22: Phenanthrene-d10



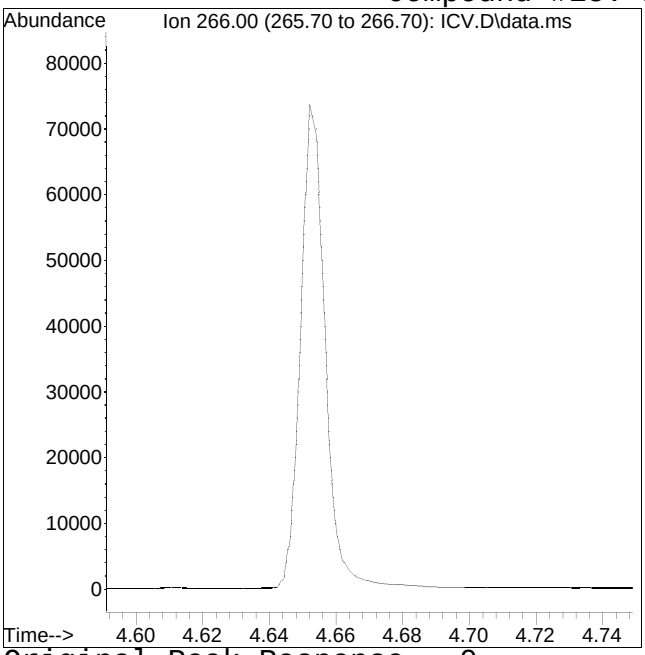


Original Peak Response = 11239 Manual Peak Response = 1550049 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

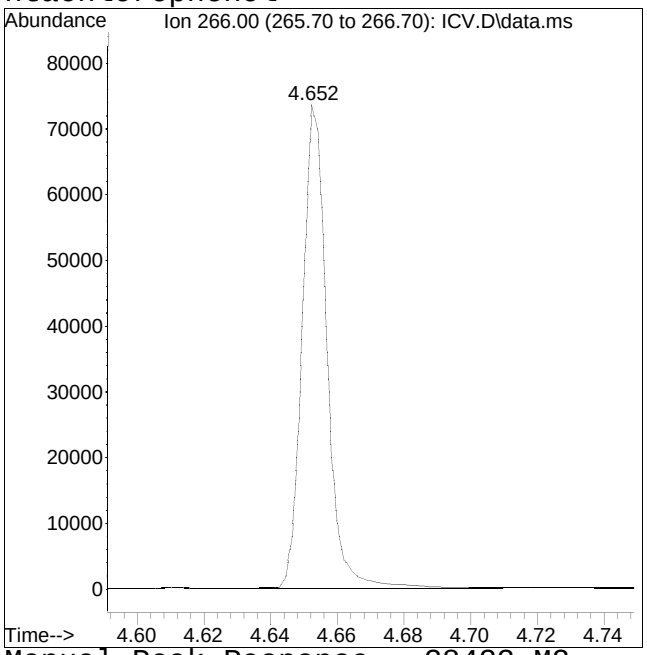
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : ICV.D
Date Inj'd : 10/25/2024 7:38 pm
Sample : CQICV,32,, #10884 1000 ng/
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:32 am

Compound #25: Pentachlorophenol



Original Peak Response = 0



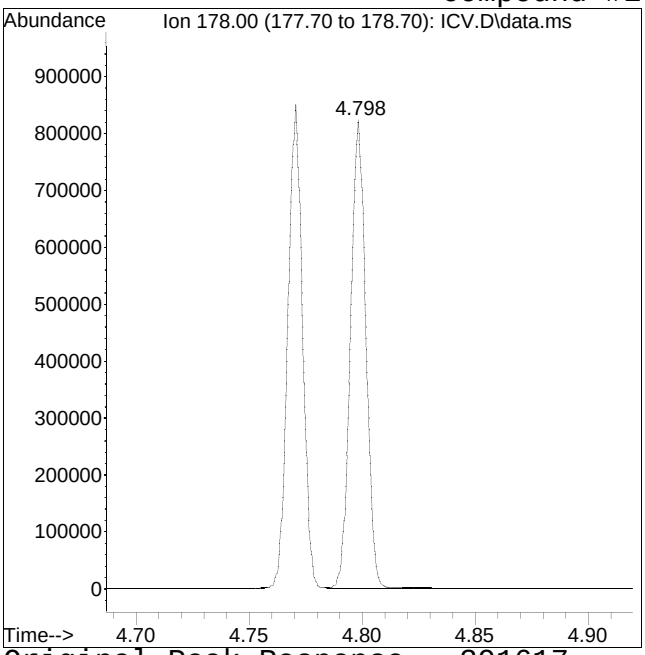
Manual Peak Response = 38433 M2

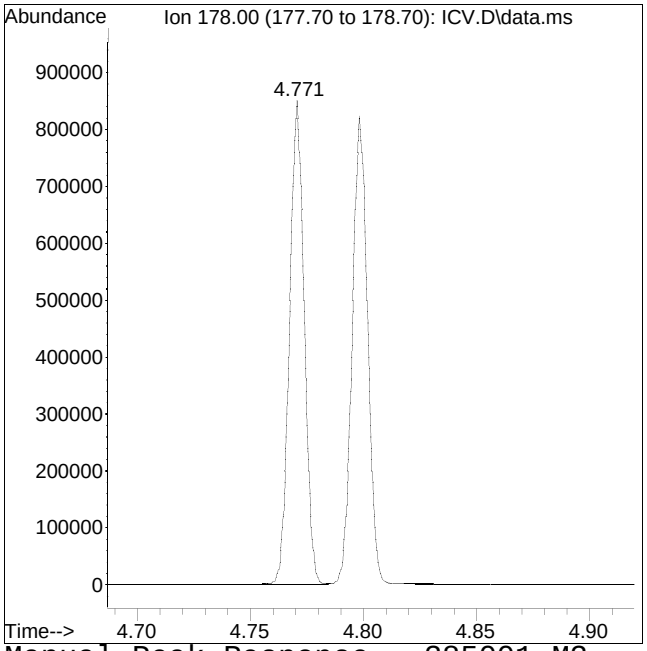
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410QMethod : SIM-RVT_241025sv118.M
Data File : ICV.D Operator : SV118:dv
Date Inj'd : 10/25/2024 7:38 pm Instrument : SV118
Sample : CQICV,32,, #10884 1000 ng/Quant Date : 12/4/2024 11:32 am

Compound #26: Phenanthrene



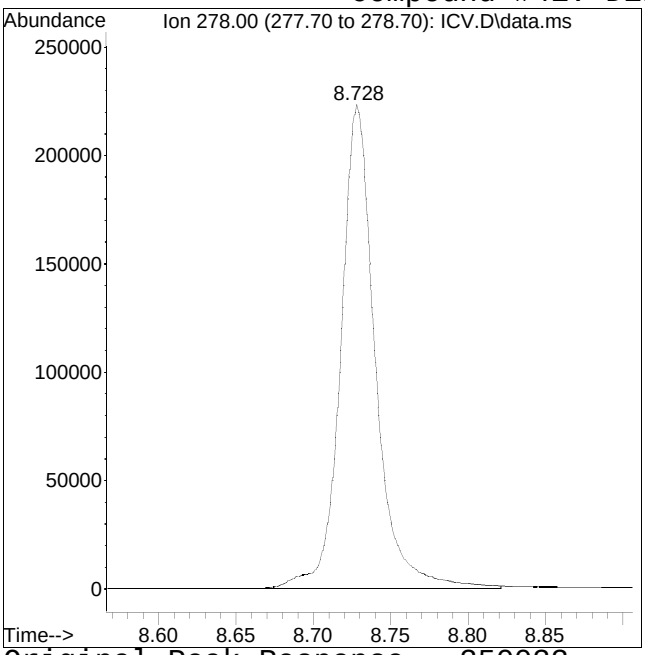


Original Peak Response = 391617 Manual Peak Response = 385001 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

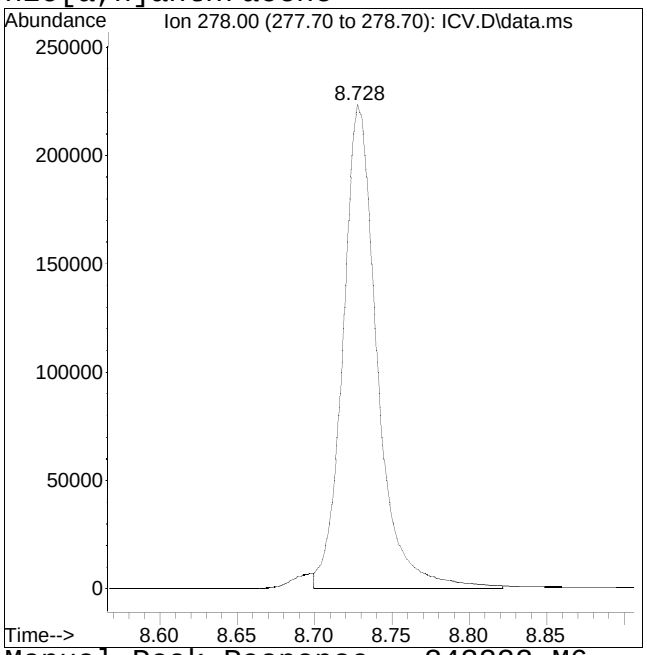
Manual Integration Report

Data Path : I:\8270SIM\SV118\2024\2410Q
Data File : ICV.D
Date Inj'd : 10/25/2024 7:38 pm
Sample : CQICV,32,, #10884 1000 ng/
Method : SIM-RVT_241025sv118.M
Operator : SV118:dv
Instrument : SV118
Quant Date : 12/4/2024 11:32 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 350033



Manual Peak Response = 343322 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV118

Method Path : I:\8270SIM\SV118\241025RVTical\
Method File : SIM-RVT_241025sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Oct 28 11:02:57 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
4 T	Bis(2-chloroethyl)ether	L	ng/ml	1000.0	1019.044	1.9	5.00	2.976	-40.5
19 T	2,4-Dinitrotoluene	L	ng/ml	1000.0	932.864	-6.7	40.00	46.482	16.2
23 T	4,6-Dinitro-o-cresol	L	ng/ml	1000.0	927.565	-7.2	40.00	46.224	15.6

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
4 T	Bis(2-chloroethyl)ether	Linear	0.994856	0.000000	1.18217	0.000723717
19 T	2,4-Dinitrotoluene	Linear	0.997765	0.000000	0.254615	-0.00159123
23 T	4,6-Dinitro-o-cresol	Linear	0.997228	0.000000	0.0517324	-0.000314499

Response Factor Report SV120

Method Path : I:\8270SIM\sv120\2024\241105RVTical\
Method File : SIM-RVT_241105_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Dec 02 11:35:31 2024
Response Via : Initial Calibration

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

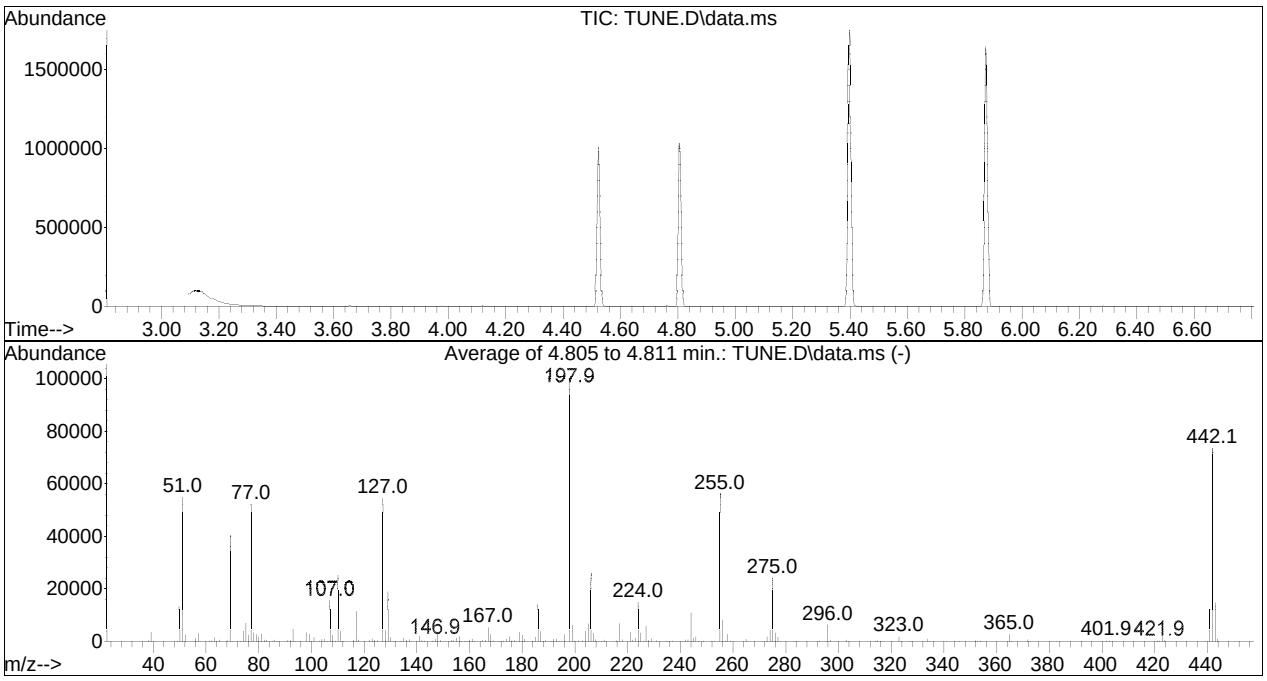
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol	1.181	1.270	1.198	1.168	1.150	1.414	1.190	1.156	1.049	0.996	1.177	9.65
3)	s	Phenol-d6	1.421	1.476	1.368	1.383	1.366	1.703	1.420	1.437	1.475	1.418	1.447	6.78
4)	T	bis(2-Chloroethyl)ether				1.180	1.209	2.019	1.197	1.185	1.180	1.103	*Q	0.9949
5)	T	n-Nitrosodi-n-propylamine			0.854	0.813	0.816	1.027	0.852	0.871	0.891	0.856	0.873	7.74
6)	t	Hexachloroethane			0.519	0.505	0.501	0.629	0.518	0.518	0.510	0.489	0.524	8.39
7)	s	Nitrobenzene-d5		1.243	1.235	1.219	1.224	1.533	1.264	1.279	1.280	1.217	1.277	7.74
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene		1.154	1.028	0.974	0.957	1.173	0.960	0.947	0.931	0.876	1.000	10.10
10)	t	Hexachlorobutadiene		0.205	0.193	0.186	0.183	0.223	0.185	0.182	0.179	0.169	0.189	8.32
11)	t	2-Methylnaphthalene	0.742	0.741	0.698	0.667	0.660	0.818	0.683	0.665	0.652	0.615	0.694	8.43
12)	t	1-Methylnaphthalene	0.669	0.683	0.649	0.619	0.615	0.762	0.623	0.606	0.597	0.563	0.639	8.75
13)	s	2-Fluorobiphenyl	0.894	0.876	0.822	0.801	0.797	0.977	0.778	0.744	0.711	0.663	0.806	11.41
14)	t	2-Chloronaphthalene	0.738	0.750	0.700	0.668	0.667	0.819	0.662	0.644	0.636	0.607	0.689	9.21
15)	t	2,6-Dinitrotoluene					0.130	0.170	0.150	0.152	0.156	0.178	0.156	10.83
16)	t	Acenaphthylene	1.010	1.049	0.959	0.925	0.938	1.190	1.000	0.977	0.969	0.920	0.994	8.04
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene	1.347	1.308	1.174	1.193	1.153	1.415	1.141	1.136	1.136	1.070	1.207	9.18
19)	t	2,4-Dinitrotoluene					0.256	0.367	0.337	0.352	0.361	0.342	0.336	12.13
20)	t	Fluorene	1.402	1.403	1.274	1.250	1.256	1.565	1.273	1.266	1.229	1.146	1.306	9.07
21)	s	2,4,6-Tribromophenol		0.150	0.143	0.137	0.146	0.193	0.166	0.167	0.170	0.163	0.159	10.79
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol					0.068	0.099	0.102	0.111	0.123	0.121	*L	0.9983
24)	t	Hexachlorobenzene		0.234	0.216	0.207	0.203	0.251	0.206	0.202	0.198	0.185	0.211	9.43
25)	t	Pentachlorophenol				0.076	0.087	0.082	0.094	0.113	0.133	0.133	*Q	0.9965
26)	t	Phenanthrene	0.797	0.930	0.897	0.967	0.944	1.205	0.973	0.954	0.959	0.906	0.953	10.75
27)	t	Anthracene	1.028	1.011	0.975	0.933	0.932	1.179	0.975	0.972	0.964	0.894	0.986	7.91
28)	t	Fluoranthene	1.259	1.192	1.089	1.028	1.038	1.304	1.063	1.044	1.018	0.943	1.098	10.54
29)	t	Pyrene	1.281	1.229	1.126	1.073	1.071	1.358	1.099	1.079	1.035	0.970	1.132	10.60
30)	s	4-Terphenyl-d14		0.798	0.747	0.717	0.726	0.897	0.706	0.694	0.652	0.610	0.727	11.42
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene	1.294	0.717	0.357	0.229	0.142	0.152	0.126	0.121	0.126	0.120	*L	0.9993
33)	t	3,3'-Dichlorobenzidine					0.345	0.479	0.427	0.443	0.462	0.437	0.432	10.74
34)	t	Chrysene	0.685	0.988	0.996	1.070	1.064	1.415	1.128	1.138	1.086	1.020	1.059	16.93
35)	T	bis(2-Ethylhexyl)phthalate					0.540	0.722	0.670	0.719	0.806	0.789	0.708	13.59
36)	i	Perylene-d12	ISTD											
37)	t	Benzo[b]fluora...	1.252	1.299	1.184	1.114	1.162	1.380	1.210	1.168	1.203	1.165	1.214	6.42
38)	t	Benzo[k]fluora...	1.121	1.055	1.039	1.002	0.950	1.351	1.152	1.129	1.123	0.990	1.091	10.44
39)	t	Benzo[a]pyrene	0.971	0.979	0.914	0.884	0.897	1.184	1.039	1.022	1.055	0.995	0.994	8.96
40)	t	Indeno[1,2,3-c...	0.987	1.003	0.945	0.921	0.931	1.205	1.059	1.033	1.046	1.036	1.017	8.15
41)	t	Dibenzo[a,h]anthracene	0.936	0.951	0.893	0.882	0.912	1.198	0.992	0.963	0.922	0.900	0.955	9.59
42)	t	Benzo[g,h,i]pe...	0.998	0.996	0.941	0.929	0.931	1.196	1.007	0.990	0.959	0.924	0.987	8.11

(#) = Out of Range

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : TUNE.D
Acq On : 05 Nov 2024 06:14 am
Operator : SV120:mrg
Sample : TUNE
Misc : WG1993471
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 05 16:50:36 2024



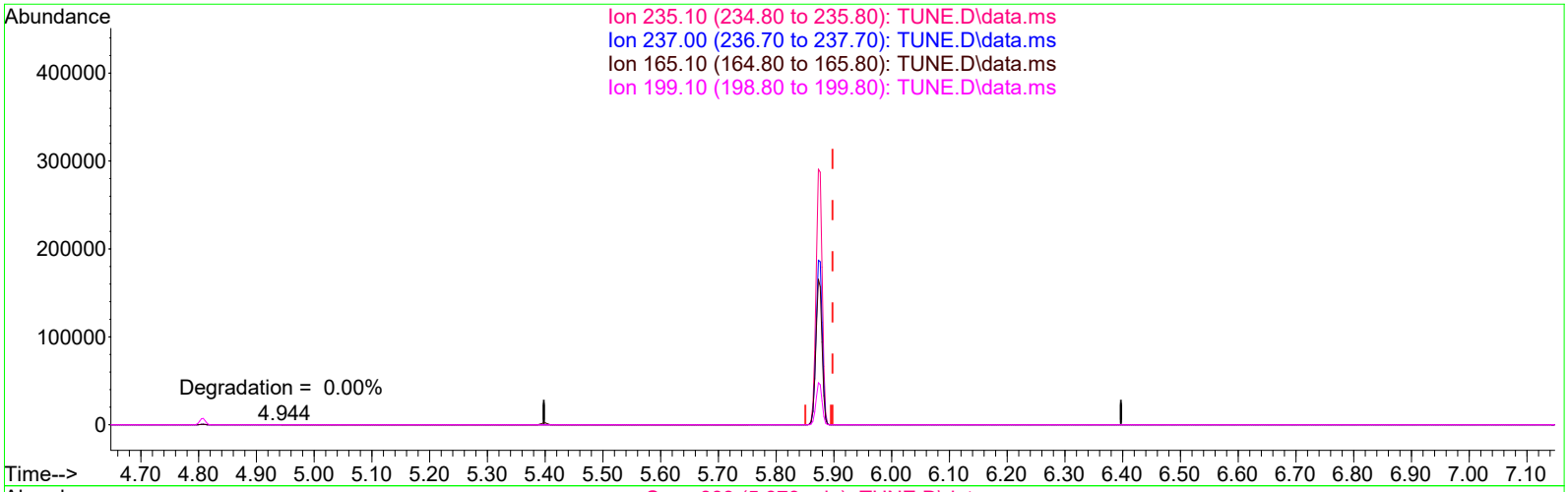
Spectrum Information: Average of 4.805 to 4.811 min.

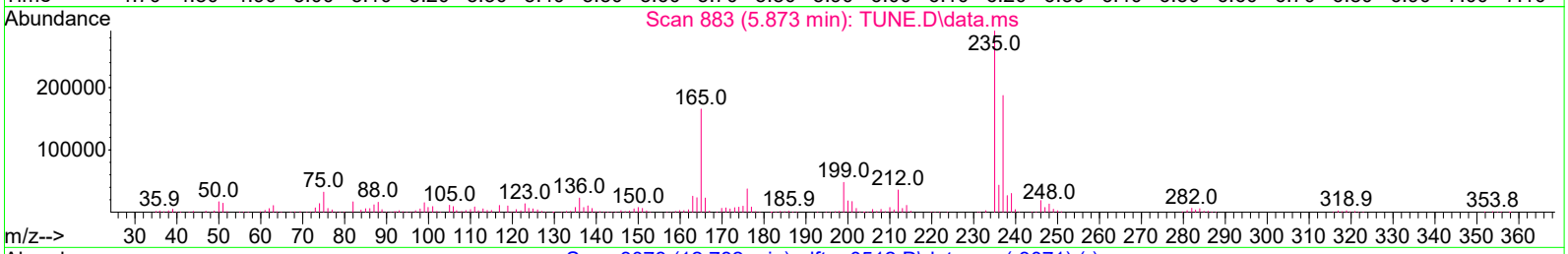
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	54.6	54901	PASS
68	69	0.00	2	1.7	694	PASS
69	69	100	100	100.0	40091	PASS
70	69	0.00	2	0.6	246	PASS
127	198	10	80	54.3	54555	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	100472	PASS
199	198	5	9	6.2	6264	PASS
275	198	10	60	24.2	24275	PASS
365	198	1	100	2.8	2770	PASS
441	442	0.01	24	16.6	12241	PASS
442	198	50	100	73.2	73557	PASS
443	442	15	24	20.0	14683	PASS

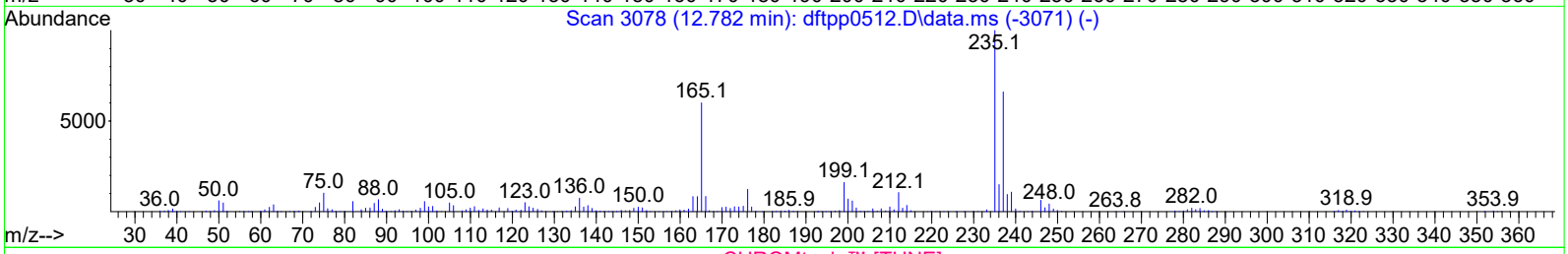
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : TUNE.D
Acq On : 05 Nov 2024 06:14 am
Operator : SV120:mrg
Sample : TUNE
Misc : WG1993471
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 16:38:36 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:39:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools™ [TUNE]

(6) ddt (T)

5.873min (-0.025) 35.52

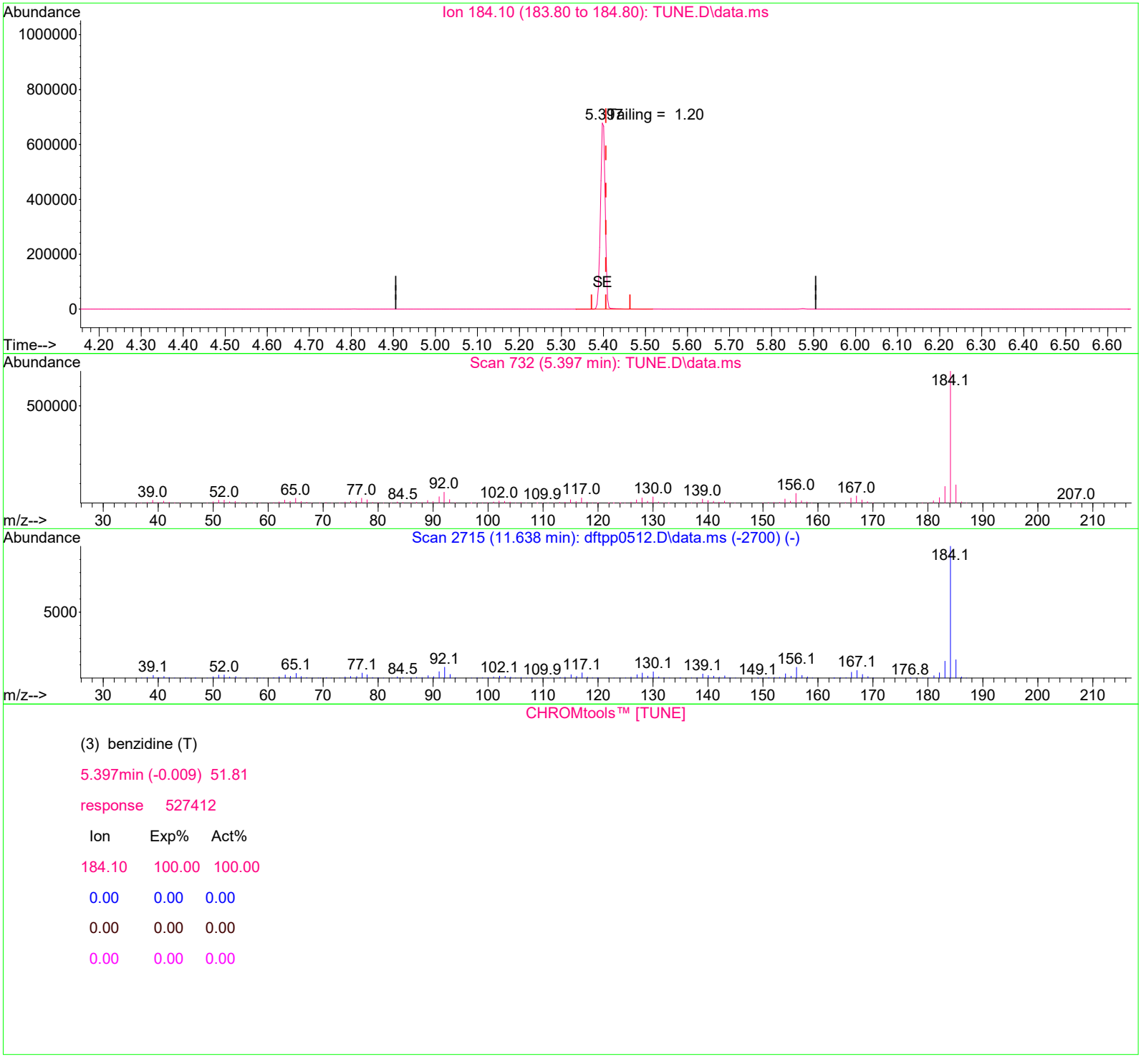
response 216520

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.54
165.10	53.30	56.29
199.10	17.10	16.12

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : TUNE.D
Acq On : 05 Nov 2024 06:14 am
Operator : SV120:mrg
Sample : TUNE
Misc : WG1993471
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 16:38:36 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:39:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



CHROMtools™ [TUNE]

(3) benzidine (T)

5.397min (-0.009) 51.81

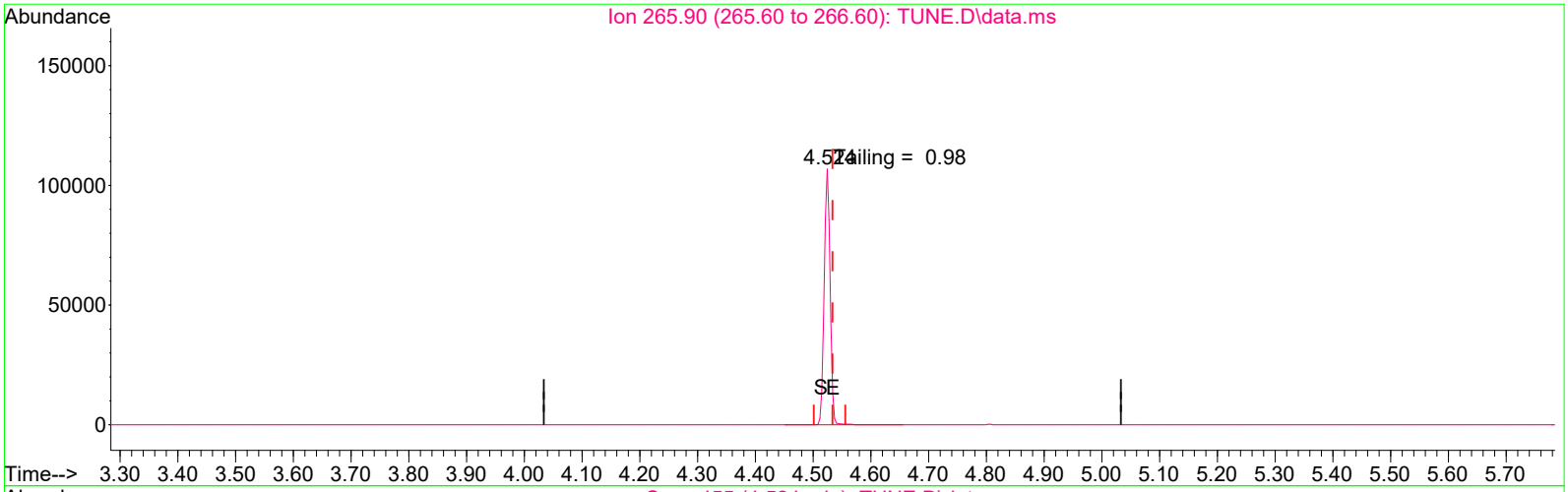
response 527412

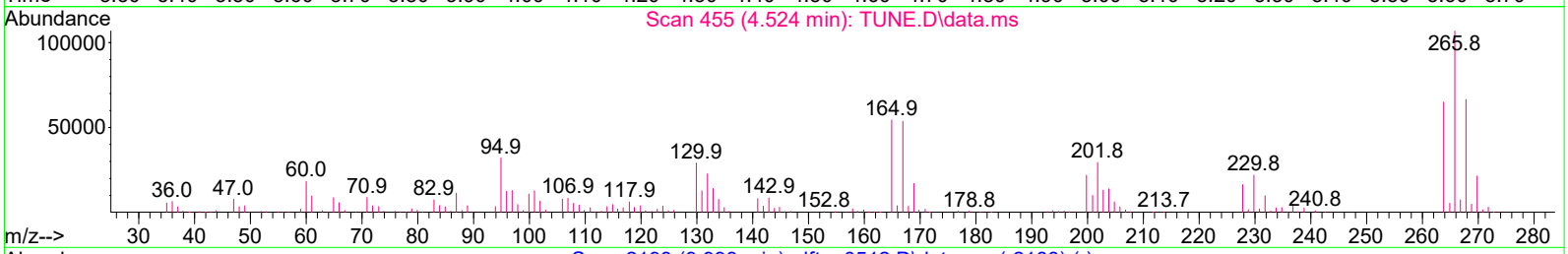
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

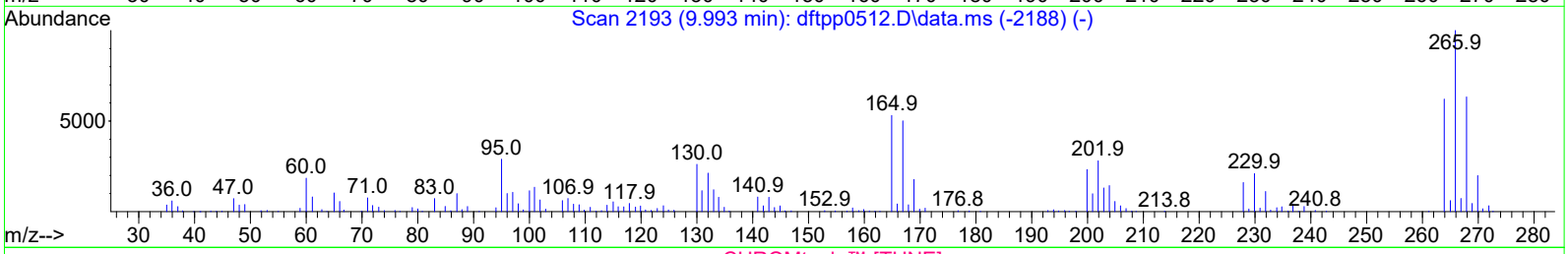
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241105RVTical\
Data File : TUNE.D
Acq On : 05 Nov 2024 06:14 am
Operator : SV120:mrg
Sample : TUNE
Misc : WG1993471
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 16:38:36 2024
Quant Method : I:\8270SIM\sv120\241105RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 05 16:39:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools™ [TUNE]

(1) pentachlorophenol (T)

4.524min (-0.010) 36.28

response 76208

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:\8270SIM\sv120\2024\241105RVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 07:30 am
Operator : SV120:mrg
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1993471
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 02 11:35:16 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.052	152	341120	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 126.65%			
8) Naphthalene-d8	2.695	136	1341754	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 127.18%			
17) Acenaphthene-d10	3.663	164	790862	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 129.29%			
22) Phenanthrene-d10	4.498	188	1508245	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 129.38%			
31) Chrysene-d12	6.025	240	1190628	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 121.40%			
36) Perylene-d12	7.081	264	1146722	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 119.29%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.511	112	424509	4228.460	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 211.42%#			
3) Phenol-d6	1.884	99	604740	4901.671	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 245.08%#			
7) Nitrobenzene-d5	2.326	82	518850	4763.774	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 476.38%#			
13) 2-Fluorobiphenyl	3.290	172	1112259	4112.803	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 411.28%#			
21) 2,4,6-Tribromophenol	4.108	330	160795	5107.439	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 255.37%#			
30) 4-Terphenyl-d14	5.415	244	1149918	4192.981	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 209.65%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.928	93	470424	5011.563	ng/ml	99
5) n-nitrosodi-n-propylamine	2.256	70	364927	4904.400	ng/ml	99
6) Hexachloroethane	2.296	117	208475	4668.232	ng/ml	100
9) Naphthalene	2.708	128	1469278	4380.543	ng/ml	99
10) Hexachlorobutadiene	2.779	225	283824	4465.859	ng/ml	100
11) 2-Methylnaphthalene	3.082	142	1031748	4430.774	ng/ml	98
12) 1-Methylnaphthalene	3.137	142	943476	4404.966	ng/ml	98
14) 2-Chloronaphthalene	3.351	162	1018713	4407.018	ng/ml	100
15) 2,6-Dinitrotoluene	3.557	165	299038	5715.380	ng/ml#	80
16) Acenaphthylene	3.583	152	1542363	4627.850	ng/ml	100
18) Acenaphthene	3.682	153	1057576	4430.288	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 07:30 am
Operator : SV120:mrg
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1993471
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 02 11:35:16 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.782	165	338380	5091.155	ng/ml	97
20) Fluorene	3.970	166	1133351	4387.728	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.013	198	228762	5038.967	ng/ml	98
24) Hexachlorobenzene	4.287	284	349380	4385.430	ng/ml	99
25) Pentachlorophenol	4.398	266	250952	4931.379	ng/ml	100
26) Phenanthrene	4.512	178	1708840	4754.447	ng/ml	99
27) Anthracene	4.541	178	1684708	4530.463	ng/ml	99
28) Fluoranthene	5.186	202	1777140	4292.915	ng/ml	99
29) Pyrene	5.315	202	1827805	4281.872	ng/ml	100
32) Benzo[a]anthracene	6.015	228	1786981	4923.842	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.013	252	650897	5057.448	ng/ml	99
34) Chrysene	6.042	228	1518548	4817.616	ng/ml	97
35) Bis(2-ethylhexyl)phtha...	6.054	149	1174567	5574.857	ng/ml	99
37) Benzo[b]fluoranthene	6.755	252	1670157	4799.956	ng/ml	99
38) Benzo[k]fluoranthene	6.780	252	1418971	4536.310	ng/ml	98
39) Benzo[a]pyrene	7.027	252	1426727	5006.017	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.158	276	1485315	5096.701	ng/ml	99
41) Dibenzo[a,h]anthracene	8.195	278	1290764M6	4714.638	ng/ml	
42) Benzo[g,h,i]perylene	8.469	276	1324759	4680.809	ng/ml	100

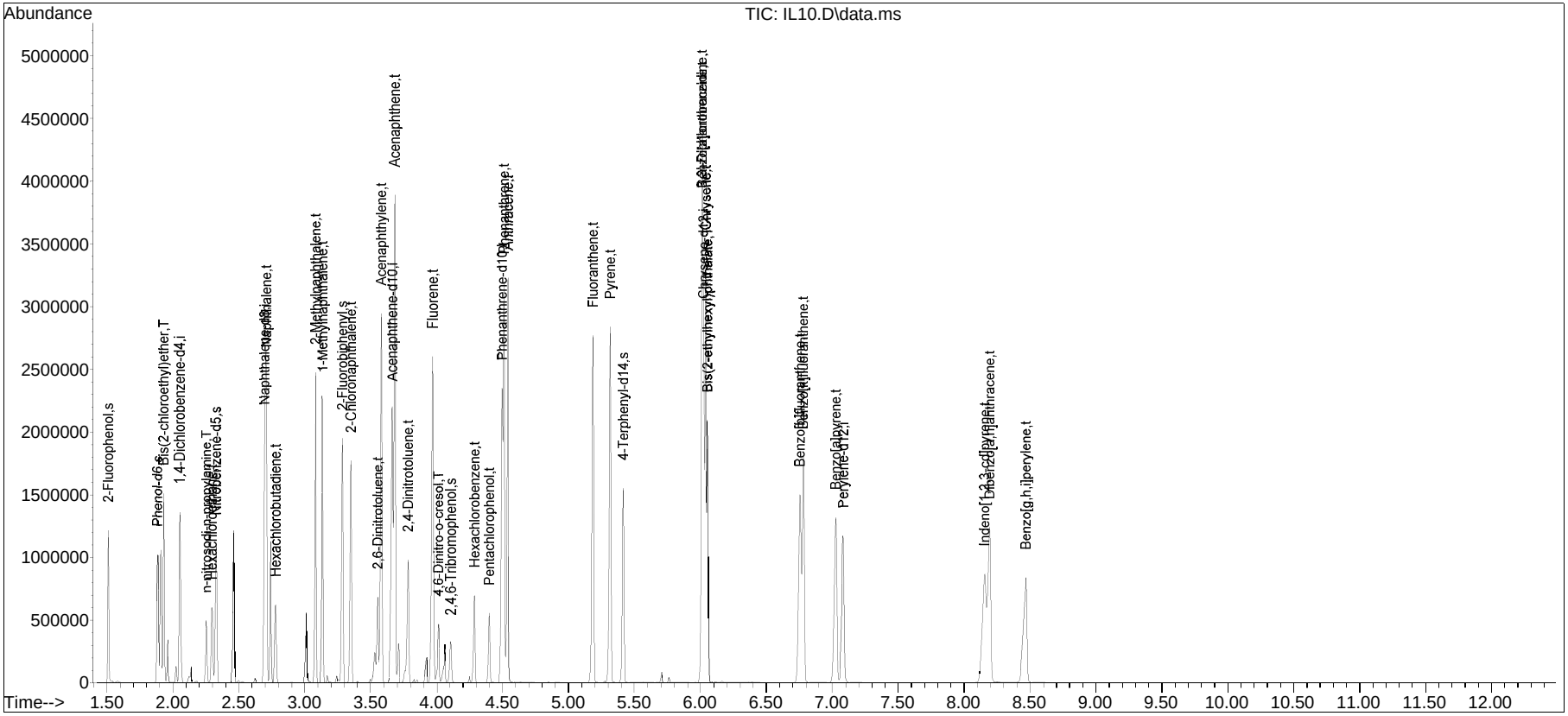
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 07:30 am
Operator : SV120:mrg
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1993471
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 02 11:35:16 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

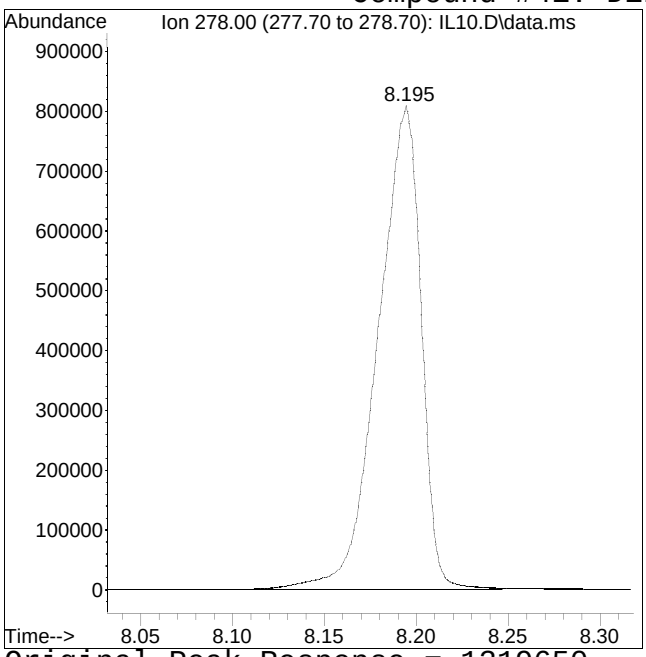
Sub List : Default - All compounds listed05RVTical\IL8.D•



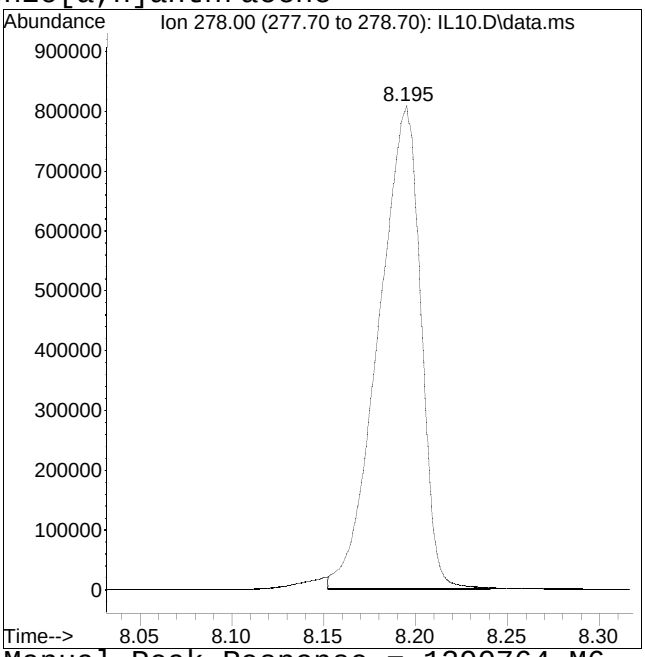
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL10.D
Date Inj'd : 11/5/2024 7:30 am
Sample : IL10,32,,5000.0ng/mL lot#
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:36 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1319650



Manual Peak Response = 1290764 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 07:47 am
Operator : SV120:mrg
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1993471
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 11:36:16 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.055	152	375547	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery	= 139.43%		
8) Naphthalene-d8	2.696	136	1472470	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery	= 139.57%		
17) Acenaphthene-d10	3.663	164	854571	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery	= 139.70%		
22) Phenanthrene-d10	4.498	188	1617772	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery	= 138.77%		
31) Chrysene-d12	6.021	240	1256082	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery	= 128.07%		
36) Perylene-d12	7.076	264	1168827	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery	= 121.59%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.519	112	246169M6	2227.263	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 111.36%#		
3) Phenol-d6	1.884	99	346235	2549.114	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 127.46%#		
7) Nitrobenzene-d5	2.327	82	300399	2505.248	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 250.52%#		
13) 2-Fluorobiphenyl	3.287	172	654219	2204.355	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 220.44%#		
21) 2,4,6-Tribromophenol	4.104	330	90546	2661.659	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 133.08%#		
30) 4-Terphenyl-d14	5.410	244	659362	2241.478	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 112.07%		
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.931	93	276959	2498.793	ng/ml	100
5) n-nitrosodi-n-propylamine	2.254	70	209213	2553.944	ng/ml	99
6) Hexachloroethane	2.300	117	119643	2433.485	ng/ml	100
9) Naphthalene	2.705	128	856706	2327.460	ng/ml	100
10) Hexachlorobutadiene	2.779	225	164702	2361.463	ng/ml	100
11) 2-Methylnaphthalene	3.080	142	600424	2349.581	ng/ml	99
12) 1-Methylnaphthalene	3.135	142	548998	2335.656	ng/ml	99
14) 2-Chloronaphthalene	3.348	162	585059	2306.318	ng/ml	99
15) 2,6-Dinitrotoluene	3.552	165	143159	2493.239	ng/ml	99
16) Acenaphthylene	3.580	152	891422	2437.263	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 07:47 am
Operator : SV120:mrg
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1993471
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 11:36:16 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.680	153	606781	2352.366	ng/ml	100
19) 2,4-Dinitrotoluene	3.777	165	193072	2688.336	ng/ml	98
20) Fluorene	3.969	166	656403	2351.789	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.008	198	124870	2574.954	ng/ml	99
24) Hexachlorobenzene	4.284	284	199978	2340.189	ng/ml	100
25) Pentachlorophenol	4.396	266	134797	2681.512	ng/ml	100
26) Phenanthrene	4.510	178	969517	2514.830	ng/ml	100
27) Anthracene	4.538	178	974860	2444.076	ng/ml	99
28) Fluoranthene	5.185	202	1029736	2319.056	ng/ml	100
29) Pyrene	5.311	202	1046471	2285.523	ng/ml	100
32) Benzo[a]anthracene	6.014	228	986802	2572.728	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.009	252	362996	2673.493	ng/ml	100
34) Chrysene	6.036	228	852188	2562.697	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.052	149	633099	2848.300	ng/ml	99
37) Benzo[b]fluoranthene	6.750	252	879054	2478.583	ng/ml	99
38) Benzo[k]fluoranthene	6.771	252	820638	2573.883	ng/ml	99
39) Benzo[a]pyrene	7.018	252	770547	2652.519	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.147	276	764125	2572.426	ng/ml	99
41) Dibenzo[a,h]anthracene	8.178	278	673807M6	2414.599	ng/ml	
42) Benzo[g,h,i]perylene	8.452	276	700594	2428.613	ng/ml	100

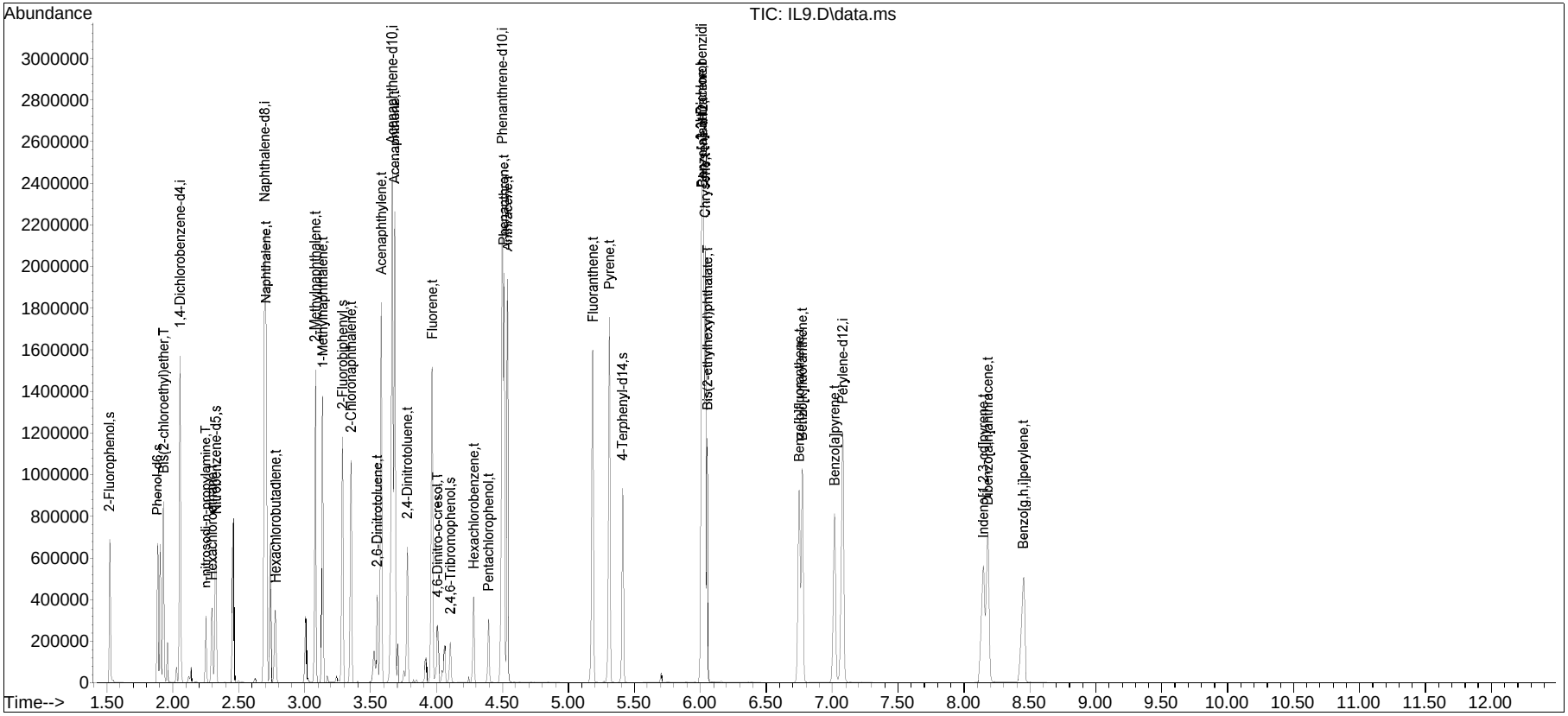
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 07:47 am
Operator : SV120:mrg
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1993471
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 11:36:16 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

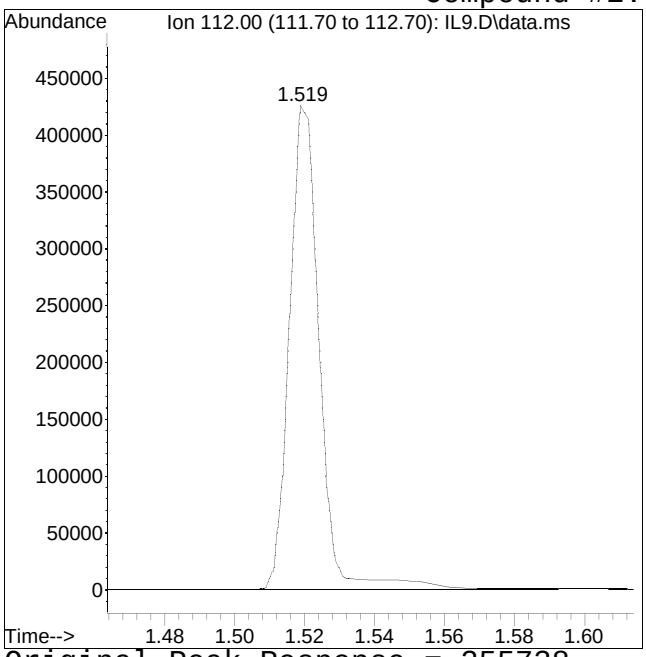
Sub List : Default - All compounds listed05RVTical\IL8.D•



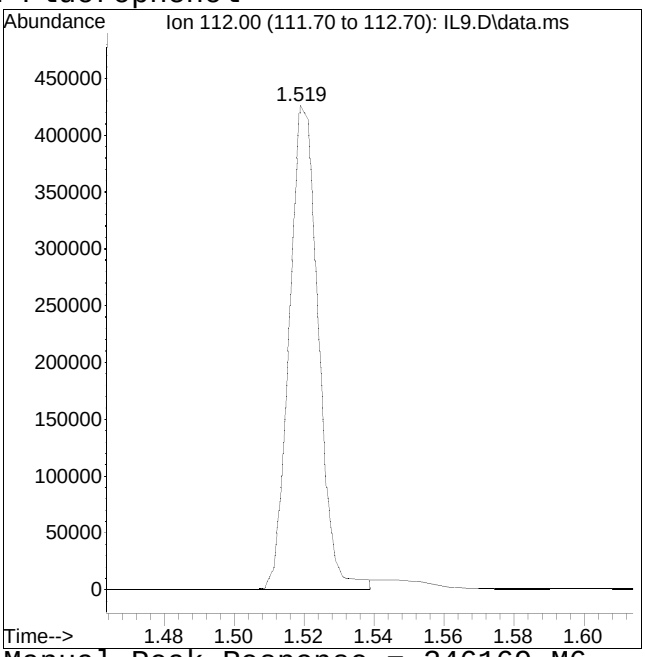
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL9.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 7:47 am Instrument : SV120
Sample : IL9,32,,2500.0ng/mL lot# 1Quant Date : 12/2/2024 11:37 am

Compound #2: 2-Fluorophenol



Original Peak Response = 255738



Manual Peak Response = 246169 M6

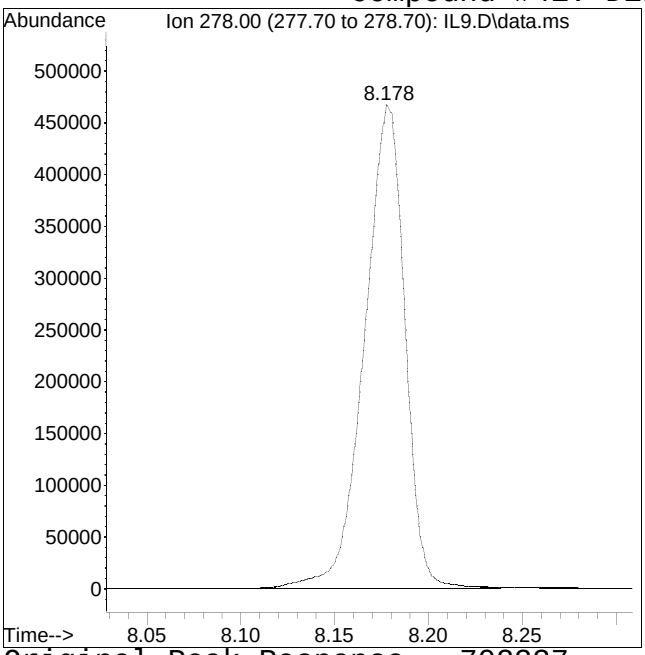
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

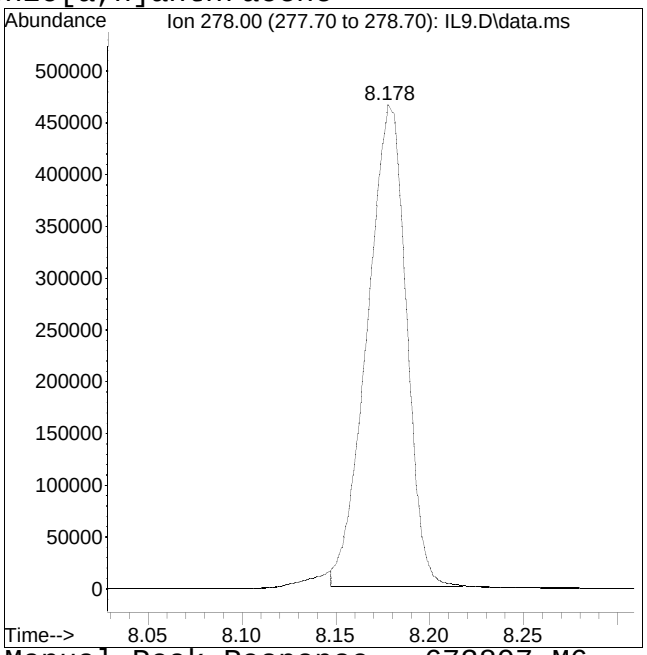
Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL9.D
Date Inj'd : 11/5/2024 7:47 am
Sample : IL9,32,,2500.0ng/mL lot# 1

Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:37 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 702337



Manual Peak Response = 673807 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 08:03 am
Operator : SV120:mrg
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1993471
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 11:36:10 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.052	152	269340	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 100.00%			
8) Naphthalene-d8	2.695	136	1055011	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 100.00%			
17) Acenaphthene-d10	3.660	164	611711	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 100.00%			
22) Phenanthrene-d10	4.495	188	1165771	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 100.00%			
31) Chrysene-d12	6.016	240	980774	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 100.00%			
36) Perylene-d12	7.073	264	961303	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 100.00%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.504	112	77818	981.707	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.09%			
3) Phenol-d6	1.877	99	96758	993.273	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.66%			
7) Nitrobenzene-d5	2.323	82	86146	1001.730	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 100.17%			
13) 2-Fluorobiphenyl	3.287	172	196270	923.000	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 92.30%			
21) 2,4,6-Tribromophenol	4.100	330	25476	1046.204	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.31%			
30) 4-Terphenyl-d14	5.411	244	202243	954.087	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 47.70%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.924	93	79799	962.373	ng/ml	100
5) n-nitrosodi-n-propylamine	2.250	70	58624	997.842	ng/ml	100
6) Hexachloroethane	2.296	117	34869	988.882	ng/ml	100
9) Naphthalene	2.705	128	249684	946.740	ng/ml	100
10) Hexachlorobutadiene	2.776	225	48067	961.875	ng/ml	100
11) 2-Methylnaphthalene	3.080	142	175282	957.325	ng/ml	100
12) 1-Methylnaphthalene	3.135	142	159811	948.930	ng/ml	100
14) 2-Chloronaphthalene	3.348	162	169913	934.836	ng/ml	100
15) 2,6-Dinitrotoluene	3.549	165	40107	974.888	ng/ml	100
16) Acenaphthylene	3.577	152	257571	982.891	ng/ml	100
18) Acenaphthene	3.677	153	173798	941.282	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 08:03 am
Operator : SV120:mrg
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1993471
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 11:36:10 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.774	165	53871	1047.903	ng/ml	100
20) Fluorene	3.966	166	193639	969.220	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.001	198	32247	936.701	ng/ml	100
24) Hexachlorobenzene	4.281	284	58783	954.607	ng/ml	100
25) Pentachlorophenol	4.395	266	33017	978.234	ng/ml	100
26) Phenanthrene	4.507	178	278182	1001.351	ng/ml	100
27) Anthracene	4.535	178	283176	985.219	ng/ml	100
28) Fluoranthene	5.182	202	304329	951.114	ng/ml	100
29) Pyrene	5.308	202	314599	953.498	ng/ml	100
32) Benzo[a]anthracene	6.009	228	295783	981.645	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.002	252	108700	1025.312	ng/ml	100
34) Chrysene	6.031	228	278990	1074.483	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.050	149	176261	1015.592	ng/ml	100
37) Benzo[b]fluoranthene	6.744	252	280583	961.920	ng/ml	100
38) Benzo[k]fluoranthene	6.765	252	271213	1034.279	ng/ml	100
39) Benzo[a]pyrene	7.009	252	245722	1028.474	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.132	276	248243	1016.121	ng/ml	100
41) Dibenzo[a,h]anthracene	8.168	278	231405M6	1008.259	ng/ml	
42) Benzo[g,h,i]perylene	8.433	276	238001	1003.138	ng/ml	100

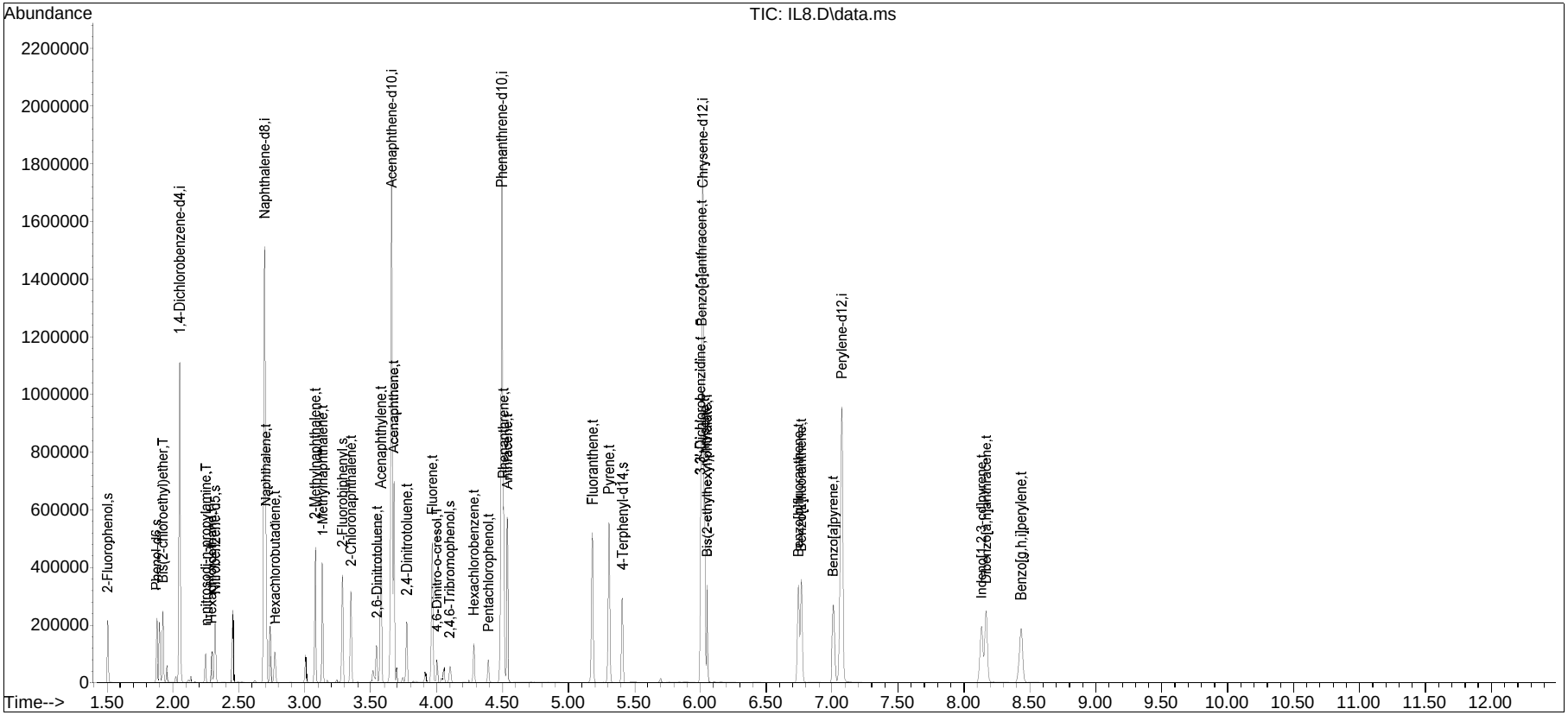
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 08:03 am
Operator : SV120:mrg
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1993471
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 11:36:10 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

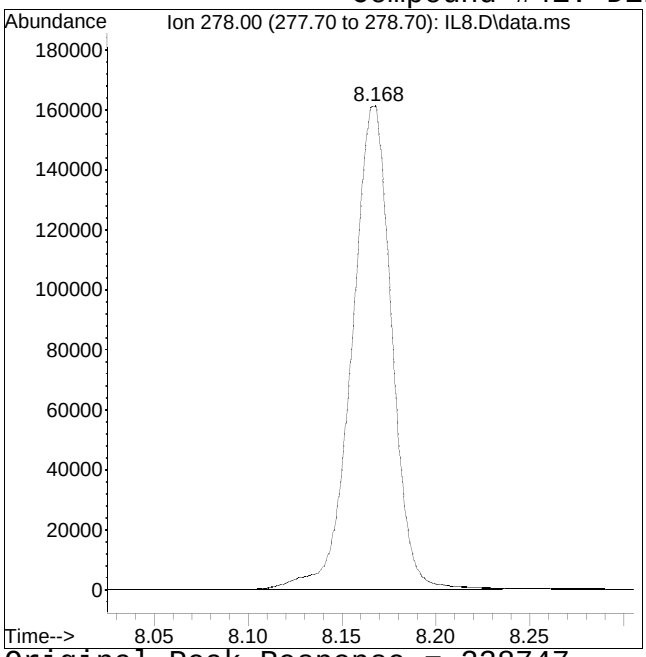
Sub List : Default - All compounds listed05RVTical\IL8.D•



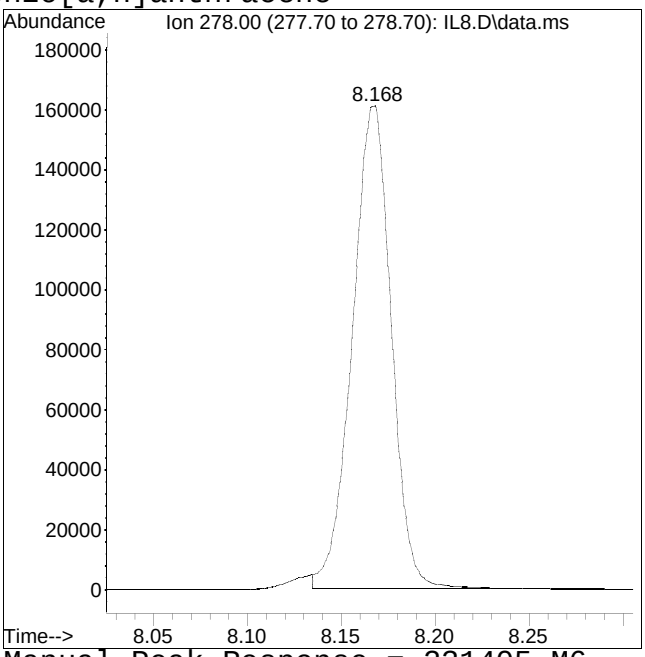
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL8.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 8:03 am Instrument : SV120
Sample : IL8,32,,1000.0ng/mL lot# 1Quant Date : 12/2/2024 11:37 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 238747



Manual Peak Response = 231405 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 08:19 am
Operator : SV120:mrg
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1993471
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 02 11:36:06 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.050	152	269306	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 99.99%			
8) Naphthalene-d8	2.692	136	1036968	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 98.29%			
17) Acenaphthene-d10	3.659	164	611621	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 99.99%			
22) Phenanthrene-d10	4.493	188	1162862	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 99.75%			
31) Chrysene-d12	6.016	240	972352	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 99.14%			
36) Perylene-d12	7.073	264	935019	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 97.27%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.506	112	40075	505.627	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.28%			
3) Phenol-d6	1.878	99	47785	490.601	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.53%			
7) Nitrobenzene-d5	2.323	82	42567	495.044	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 49.50%			
13) 2-Fluorobiphenyl	3.284	172	100815	482.353	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 48.24%			
21) 2,4,6-Tribromophenol	4.100	330	12687	521.084	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 26.05%			
30) 4-Terphenyl-d14	5.410	244	102580	485.135	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 24.26%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.925	93	40304	478.567	ng/ml	99
5) n-nitrosodi-n-propylamine	2.247	70	28674	488.123	ng/ml	100
6) Hexachloroethane	2.297	117	17421	494.120	ng/ml	100
9) Naphthalene	2.702	128	124425	479.998	ng/ml	100
10) Hexachlorobutadiene	2.776	225	24037	489.377	ng/ml	100
11) 2-Methylnaphthalene	3.080	142	88469	491.592	ng/ml	100
12) 1-Methylnaphthalene	3.132	142	80740	487.762	ng/ml	99
14) 2-Chloronaphthalene	3.345	162	85754	480.015	ng/ml	100
15) 2,6-Dinitrotoluene	3.547	165	19400	479.764	ng/ml	98
16) Acenaphthylene	3.575	152	129616	503.221	ng/ml	100
18) Acenaphthene	3.675	153	87238	472.546	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 08:19 am
Operator : SV120:mrg
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1993471
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 02 11:36:06 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.773	165	25788	501.704	ng/ml	97
20) Fluorene	3.962	166	97290	487.037	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.001	198	14756	441.432	ng/ml	99
24) Hexachlorobenzene	4.279	284	29908	486.906	ng/ml	100
25) Pentachlorophenol	4.393	266	13733	421.222	ng/ml	99
26) Phenanthrene	4.505	178	141398	510.253	ng/ml	99
27) Anthracene	4.533	178	141714	494.282	ng/ml	100
28) Fluoranthene	5.181	202	154479	483.998	ng/ml	99
29) Pyrene	5.308	202	159784	485.491	ng/ml	100
32) Benzo[a]anthracene	6.009	228	153737	510.034	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.002	252	51932	494.091	ng/ml#	99
34) Chrysene	6.031	228	137137	532.735	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.050	149	81433	473.270	ng/ml	100
37) Benzo[b]fluoranthene	6.743	252	141382	498.324	ng/ml	100
38) Benzo[k]fluoranthene	6.765	252	134609	527.766	ng/ml	100
39) Benzo[a]pyrene	7.009	252	121410	522.449	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.131	276	123778	520.897	ng/ml	99
41) Dibenzo[a,h]anthracene	8.165	278	115896M6	519.168	ng/ml	
42) Benzo[g,h,i]perylene	8.430	276	117709	510.072	ng/ml	100

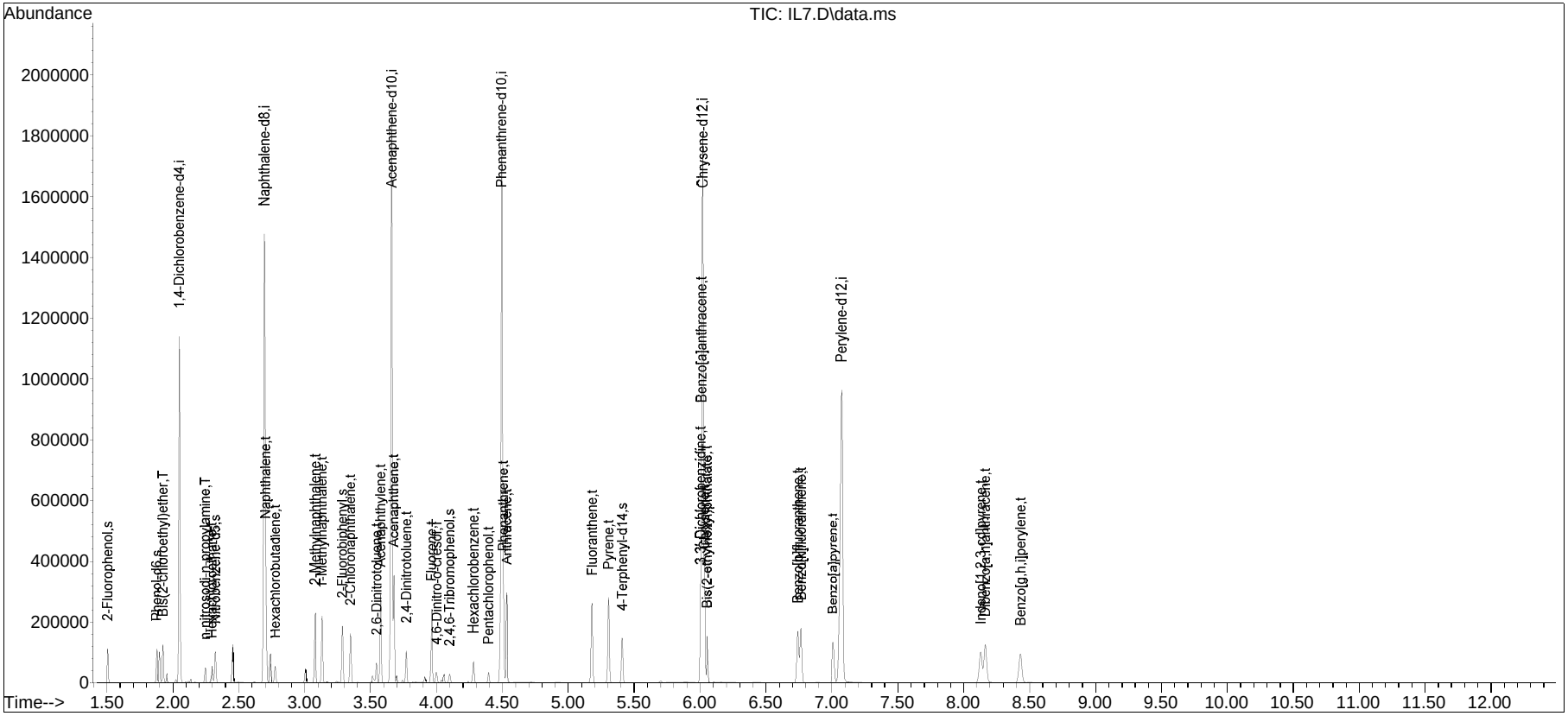
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 08:19 am
Operator : SV120:mrg
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1993471
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 02 11:36:06 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

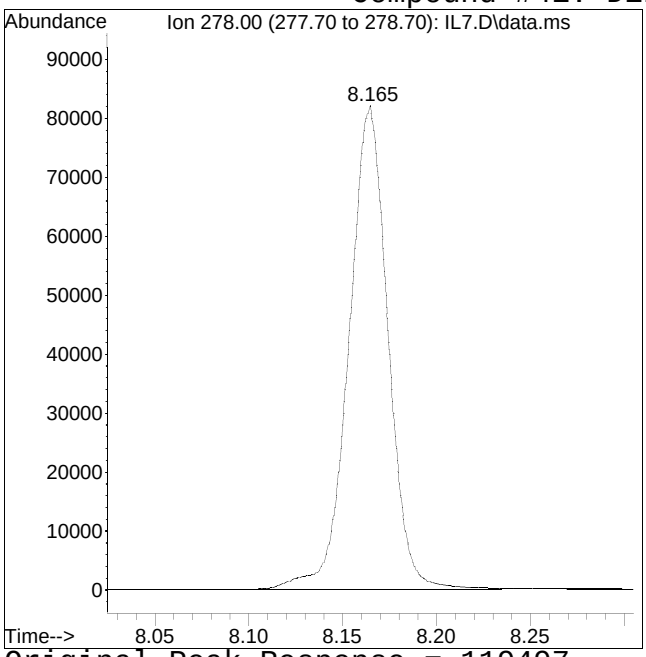
Sub List : Default - All compounds listed05RVTical\IL8.D•



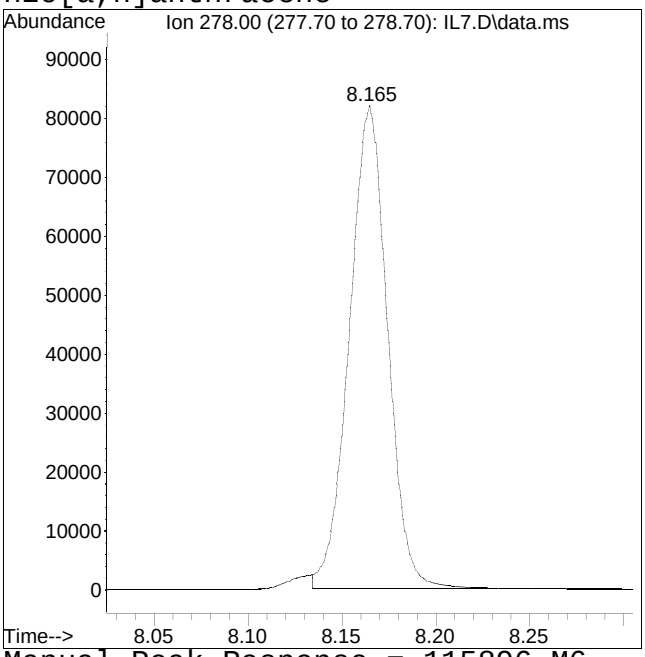
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL7.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 8:19 am Instrument : SV120
Sample : IL7,32,,500.0ng/mL lot# 10Quant Date : 12/2/2024 11:37 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 119497



Manual Peak Response = 115896 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 08:36 am
Operator : SV120:mrg
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1993471
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 11:35:45 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.049	152	224921	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 83.51%			
8) Naphthalene-d8	2.692	136	882674	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 83.66%			
17) Acenaphthene-d10	3.658	164	526331	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 86.04%			
22) Phenanthrene-d10	4.492	188	1040055	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 89.22%			
31) Chrysene-d12	6.016	240	955833	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 97.46%			
36) Perylene-d12	7.071	264	945247	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 98.33%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.496	112	7953	120.144	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 6.01%#			
3) Phenol-d6	1.875	99	9578	117.741	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.89%#			
7) Nitrobenzene-d5	2.323	82	8618	120.003	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 12.00%#			
13) 2-Fluorobiphenyl	3.287	172	21551	121.136	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 12.11%#			
21) 2,4,6-Tribromophenol	4.100	330	2535	120.990	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 6.05%#			
30) 4-Terphenyl-d14	5.411	244	23313	123.274	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 6.16%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.924	93	11354	157.989	ng/ml#	75
5) n-nitrosodi-n-propylamine	2.246	70	5774	117.688	ng/ml	99
6) Hexachloroethane	2.296	117	3539	120.187	ng/ml	99
9) Naphthalene	2.701	128	25879	117.285	ng/ml	100
10) Hexachlorobutadiene	2.776	225	4914	117.534	ng/ml	99
11) 2-Methylnaphthalene	3.080	142	18059	117.889	ng/ml	99
12) 1-Methylnaphthalene	3.131	142	16817	119.353	ng/ml	99
14) 2-Chloronaphthalene	3.345	162	18066	118.803	ng/ml	100
15) 2,6-Dinitrotoluene	3.546	165	3756	109.123	ng/ml	92
16) Acenaphthylene	3.577	152	26259	119.769	ng/ml	100
18) Acenaphthene	3.674	153	18621	117.210	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 08:36 am
Operator : SV120:mrg
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1993471
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 11:35:45 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.772	165	4835	109.307	ng/ml	90
20) Fluorene	3.962	166	20594	119.800	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.001	198	2580	103.733	ng/ml	96
24) Hexachlorobenzene	4.279	284	6518	118.644	ng/ml	99
25) Pentachlorophenol	4.393	266	2141	80.192	ng/ml	100
26) Phenanthrene	4.504	178	31343	126.460	ng/ml	95
27) Anthracene	4.533	178	30650	119.526	ng/ml	100
28) Fluoranthene	5.182	202	33908	118.781	ng/ml	100
29) Pyrene	5.308	202	35315	119.972	ng/ml	100
32) Benzo[a]anthracene	6.007	228	36408	115.522	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.002	252	11436	110.685	ng/ml	99
34) Chrysene	6.028	228	33809	133.607	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.050	149	17264	102.068	ng/ml	99
37) Benzo[b]fluoranthene	6.741	252	32611	113.699	ng/ml	99
38) Benzo[k]fluoranthene	6.763	252	31925	123.815	ng/ml	100
39) Benzo[a]pyrene	7.006	252	27989	119.138	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.126	276	28483	118.568	ng/ml	99
41) Dibenzo[a,h]anthracene	8.163	278	28301M6	125.405	ng/ml	
42) Benzo[g,h,i]perylene	8.425	276	28272	121.186	ng/ml	100

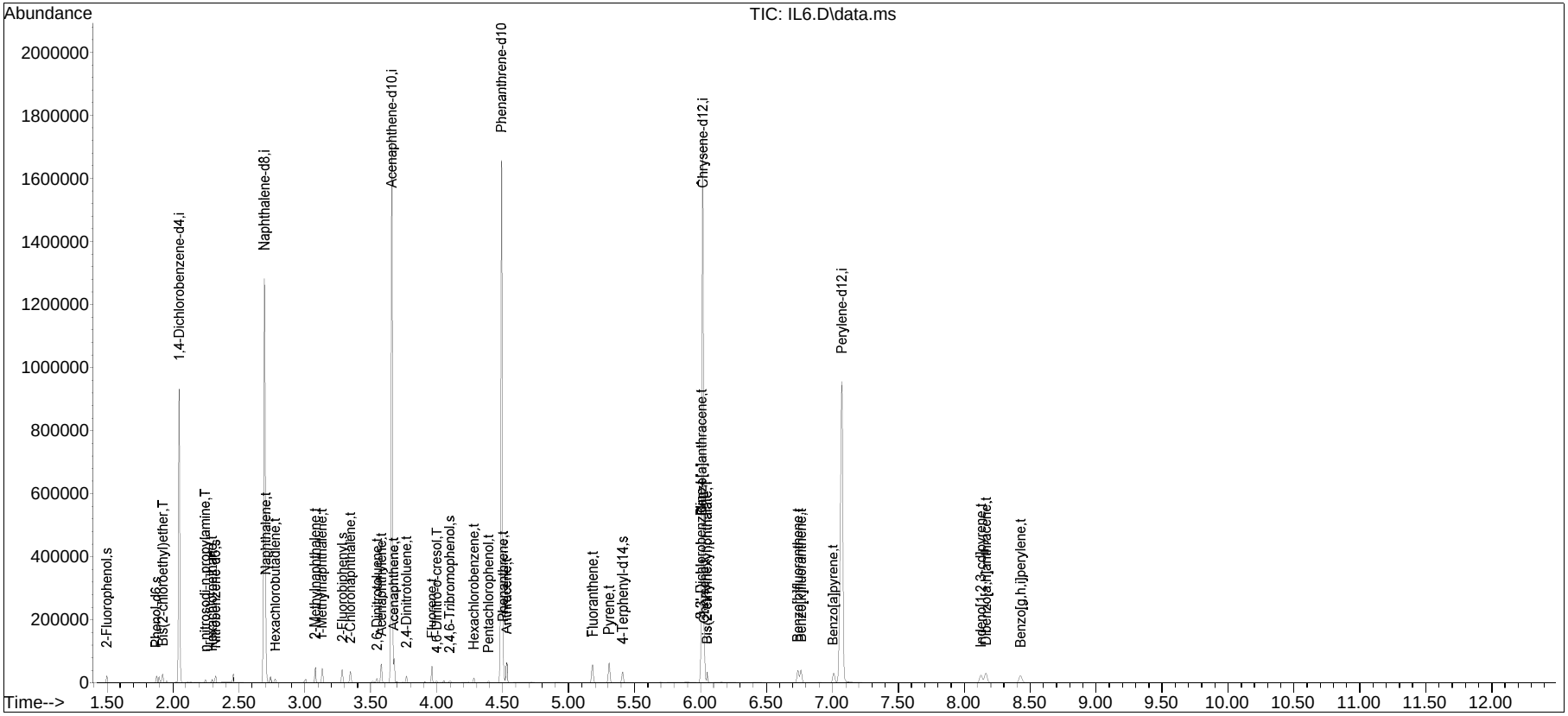
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 08:36 am
Operator : SV120:mrg
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1993471
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 11:35:45 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed05RVTical\IL8.D•

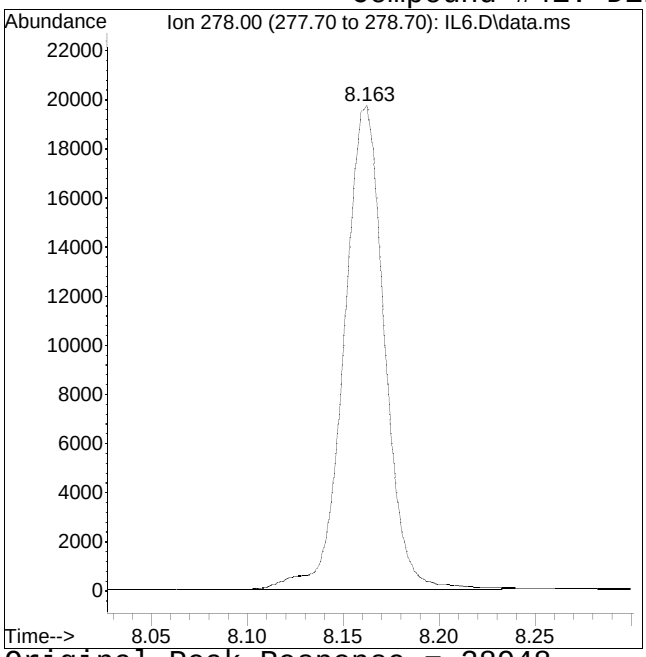


Manual Integration Report

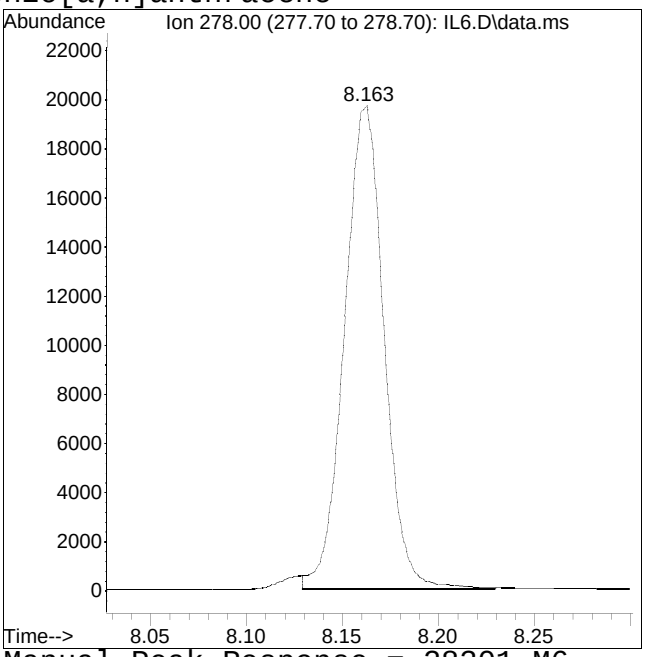
Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL6.D
Date Inj'd : 11/5/2024 8:36 am
Sample : IL6,32,,100.0ng/mL lot# 10

Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:37 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 28948



Manual Peak Response = 28301 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 08:52 am
Operator : SV120:mrg
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1993471
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 11:35:41 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.047	152	227773	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 84.57%			
8) Naphthalene-d8	2.691	136	889425	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 84.30%			
17) Acenaphthene-d10	3.658	164	533237	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 87.17%			
22) Phenanthrene-d10	4.494	188	1055271	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 90.52%			
31) Chrysene-d12	6.016	240	977784	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 99.70%			
36) Perylene-d12	7.072	264	949887	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 98.81%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.496	112	2620	39.084	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.95%#			
3) Phenol-d6	1.875	99	3112	37.776	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.89%#			
7) Nitrobenzene-d5	2.322	82	2787	38.322	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.83%#			
13) 2-Fluorobiphenyl	3.286	172	7085	39.522	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.95%#			
21) 2,4,6-Tribromophenol	4.102	330	781	36.793	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.84%#			
30) 4-Terphenyl-d14	5.407	244	7660	39.920	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 2.00%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.924	93	2753	35.271	ng/ml	99
5) n-nitrosodi-n-propylamine	2.249	70	1859	37.417	ng/ml	99
6) Hexachloroethane	2.295	117	1142	38.297	ng/ml	99
9) Naphthalene	2.701	128	8513	38.289	ng/ml	99
10) Hexachlorobutadiene	2.778	225	1629	38.667	ng/ml	99
11) 2-Methylnaphthalene	3.079	142	5871	38.035	ng/ml	99
12) 1-Methylnaphthalene	3.131	142	5467	38.506	ng/ml	99
14) 2-Chloronaphthalene	3.344	162	5934	38.726	ng/ml	100
15) 2,6-Dinitrotoluene	3.544	165	1157M4	33.359	ng/ml	
16) Acenaphthylene	3.575	152	8342	37.760	ng/ml	100
18) Acenaphthene	3.675	153	6147	38.191	ng/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 08:52 am
Operator : SV120:mrg
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1993471
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 11:35:41 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.772	165	1366	30.482	ng/ml#	82
20) Fluorene	3.964	166	6695	38.442	ng/ml	99
23) 4,6-Dinitro-o-cresol	3.999	198	719	44.213	ng/ml	96
24) Hexachlorobenzene	4.280	284	2142	38.427	ng/ml	99
25) Pentachlorophenol	4.394	266	917	37.925	ng/ml	98
26) Phenanthrene	4.506	178	9958M6	39.598	ng/ml	
27) Anthracene	4.534	178	9838	37.812	ng/ml	100
28) Fluoranthene	5.181	202	10954	37.819	ng/ml	99
29) Pyrene	5.307	202	11305	37.851	ng/ml	100
32) Benzo[a]anthracene	6.009	228	13918	37.105	ng/ml	96
33) 3,3'-Dichlorobenzidine	6.001	252	3377	31.951	ng/ml#	74
34) Chrysene	6.028	228	10403	40.188	ng/ml	96
35) Bis(2-ethylhexyl)phtha...	6.050	149	5280	30.516	ng/ml	100
37) Benzo[b]fluoranthene	6.740	252	11042	38.310	ng/ml	99
38) Benzo[k]fluoranthene	6.761	252	9020	34.811	ng/ml	100
39) Benzo[a]pyrene	7.008	252	8522	36.098	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.128	276	8839	36.615	ng/ml	100
41) Dibenzo[a,h]anthracene	8.161	278	8665M6	38.208	ng/ml	
42) Benzo[g,h,i]perylene	8.427	276	8847	37.737	ng/ml	100

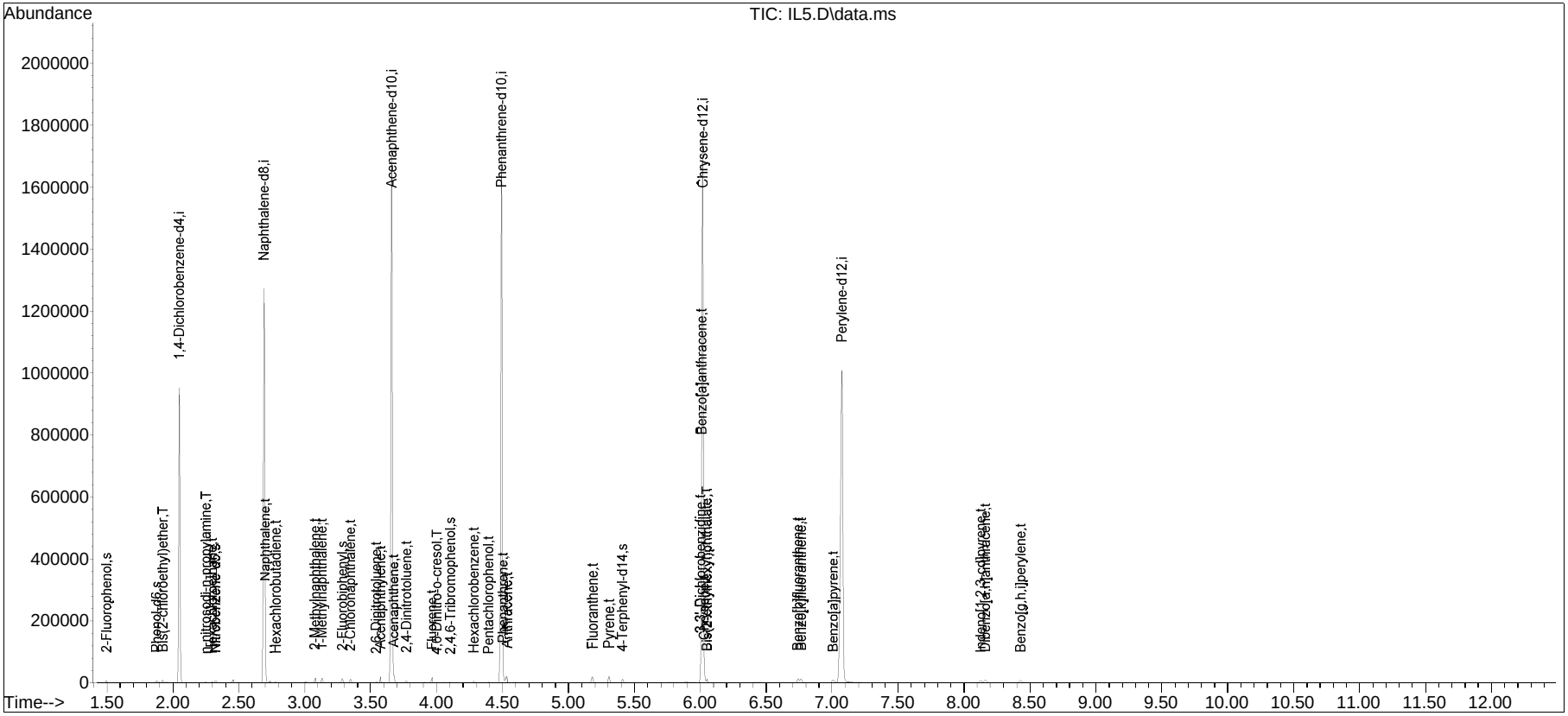
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 08:52 am
Operator : SV120:mrg
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1993471
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 11:35:41 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

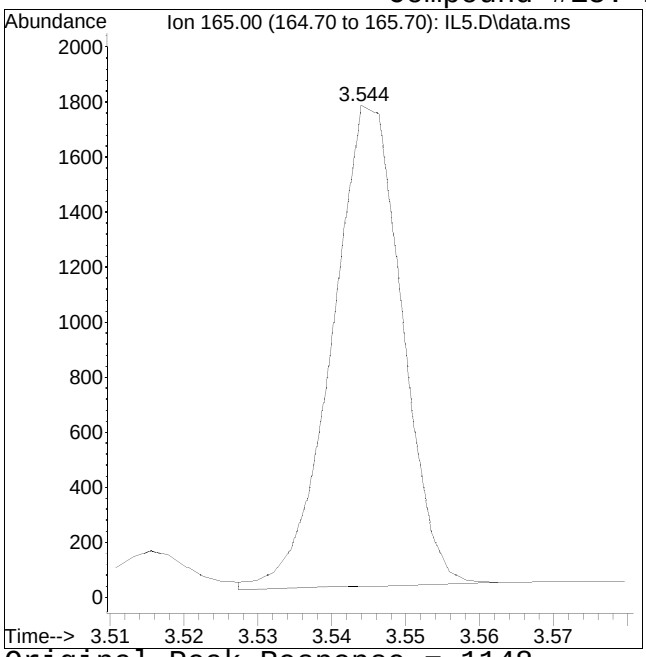
Sub List : Default - All compounds listed05RVTical\IL8.D•



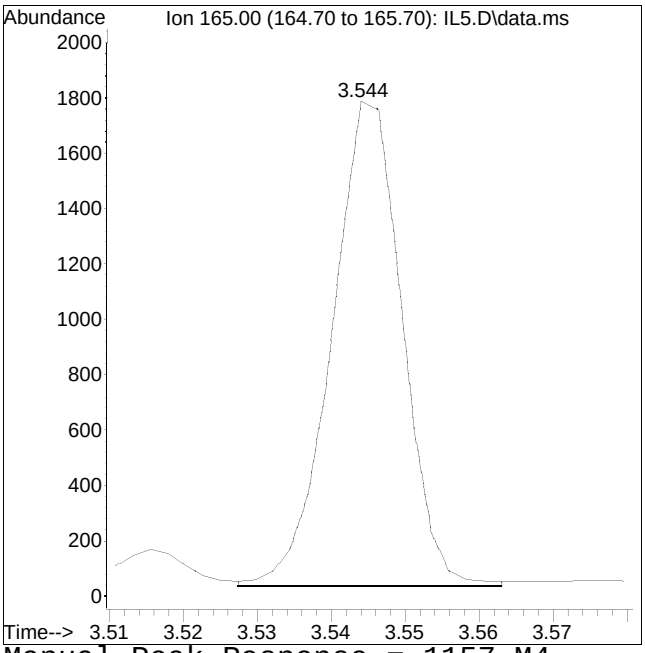
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL5.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 8:52 am Instrument : SV120
Sample : IL5,32,,40.0ng/mL lot# 108Quant Date : 12/2/2024 11:37 am

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 1148



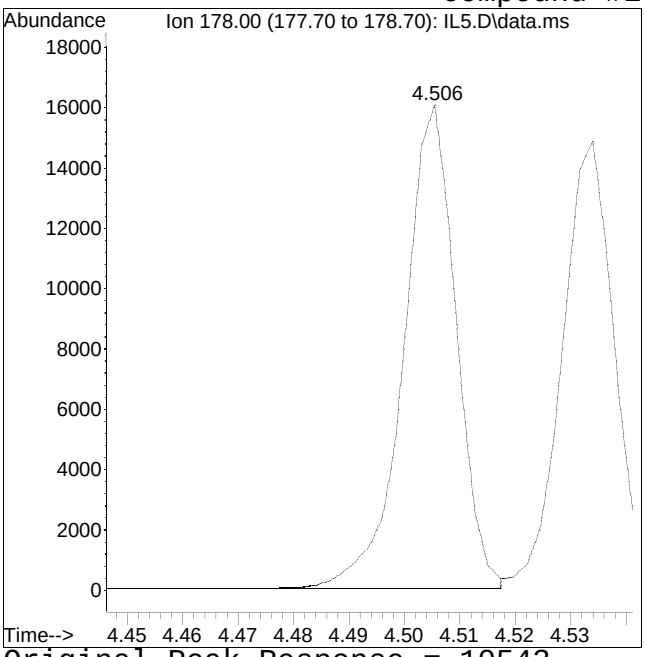
Manual Peak Response = 1157 M4

M4 = Poor automated baseline construction.

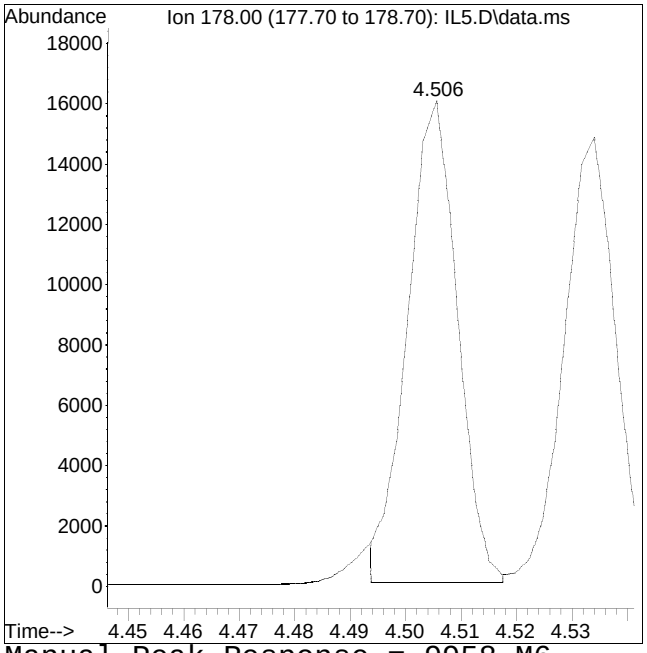
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL5.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 8:52 am Instrument : SV120
Sample : IL5,32,,40.0ng/mL lot# 108Quant Date : 12/2/2024 11:37 am

Compound #26: Phenanthrene



Original Peak Response = 10543



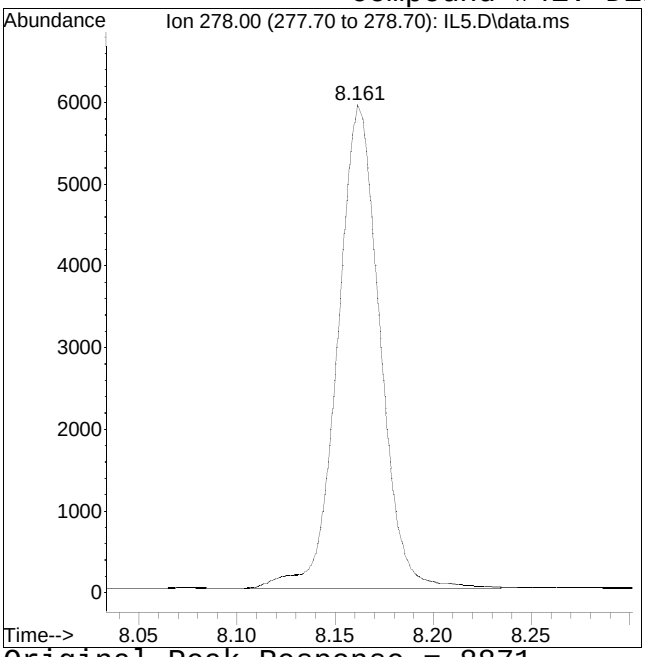
Manual Peak Response = 9958 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

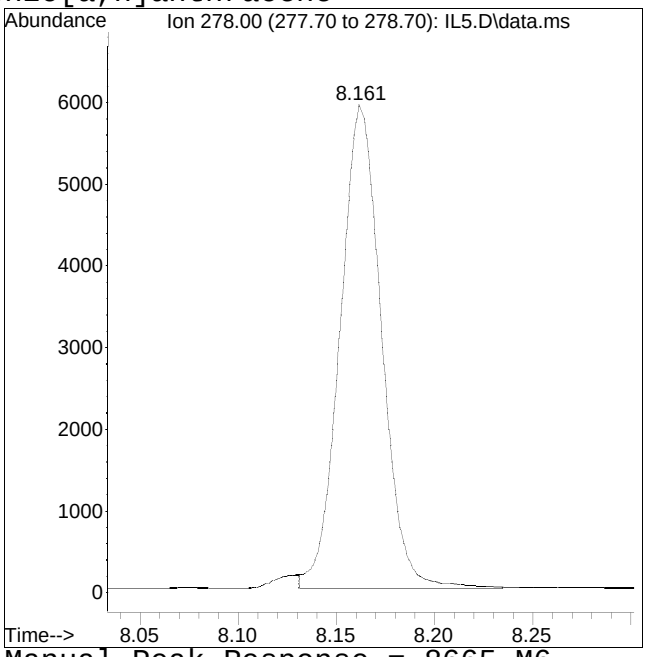
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL5.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 8:52 am Instrument : SV120
Sample : IL5,32,,40.0ng/mL lot# 108Quant Date : 12/2/2024 11:37 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 8871



Manual Peak Response = 8665 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 09:08 am
Operator : SV120:mrg
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1993471
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 11:44:40 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.050	152	266082	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 98.79%			
8) Naphthalene-d8	2.692	136	1032752	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 97.89%			
17) Acenaphthene-d10	3.658	164	613551	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 100.30%			
22) Phenanthrene-d10	4.494	188	1201426	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 103.06%			
31) Chrysene-d12	6.015	240	1059480	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 108.02%			
36) Perylene-d12	7.071	264	1015071	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 105.59%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.499	112	777	9.922	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.50%#			
3) Phenol-d6	1.875	99	920	9.560	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.48%#			
7) Nitrobenzene-d5	2.323	82	811	9.546	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.95%#			
13) 2-Fluorobiphenyl	3.284	172	2069	9.940	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.99%#			
21) 2,4,6-Tribromophenol	4.099	330	210	8.598	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.43%#			
30) 4-Terphenyl-d14	5.408	244	2153	9.855	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.49%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.924	93	785	6.180	ng/ml	100
5) n-nitrosodi-n-propylamine	2.250	70	541	9.321	ng/ml	98
6) Hexachloroethane	2.296	117	336	9.646	ng/ml	99
9) Naphthalene	2.701	128	2514	9.738	ng/ml#	95
10) Hexachlorobutadiene	2.776	225	480	9.812	ng/ml	99
11) 2-Methylnaphthalene	3.080	142	1723	9.613	ng/ml	99
12) 1-Methylnaphthalene	3.131	142	1599	9.699	ng/ml	98
14) 2-Chloronaphthalene	3.345	162	1724	9.690	ng/ml	99
15) 2,6-Dinitrotoluene	3.544	165	373M4	9.262	ng/ml	
16) Acenaphthylene	3.575	152	2388	9.309	ng/ml	100
18) Acenaphthene	3.675	153	1830	9.881	ng/ml	87

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 09:08 am
Operator : SV120:mrg
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1993471
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 11:44:40 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.772	165	386	7.486	ng/ml#	85
20) Fluorene	3.965	166	1918	9.571	ng/ml	97
23) 4,6-Dinitro-o-cresol	4.000	198	176	26.521	ng/ml	90
24) Hexachlorobenzene	4.280	284	621	9.785	ng/ml	100
25) Pentachlorophenol	4.394	266	227	13.695	ng/ml	91
26) Phenanthrene	4.506	178	2903M6	10.140	ng/ml	
27) Anthracene	4.534	178	2801	9.456	ng/ml	100
28) Fluoranthene	5.179	202	3088	9.364	ng/ml	99
29) Pyrene	5.308	202	3223	9.478	ng/ml	99
32) Benzo[a]anthracene	6.013	228	6056	9.105	ng/ml#	84
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.027	228	2835	10.107	ng/ml	96
35) Bis(2-ethylhexyl)phtha...	6.047	149	1939	10.342	ng/ml	99
37) Benzo[b]fluoranthene	6.736	252	2826	9.175	ng/ml	100
38) Benzo[k]fluoranthene	6.757	252	2542	9.181	ng/ml	100
39) Benzo[a]pyrene	7.004	252	2244	8.895	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.124	276	2336	9.055	ng/ml	100
41) Dibenzo[a,h]anthracene	8.157	278	2239M6	9.239	ng/ml	
42) Benzo[g,h,i]perylene	8.422	276	2358	9.412	ng/ml	100

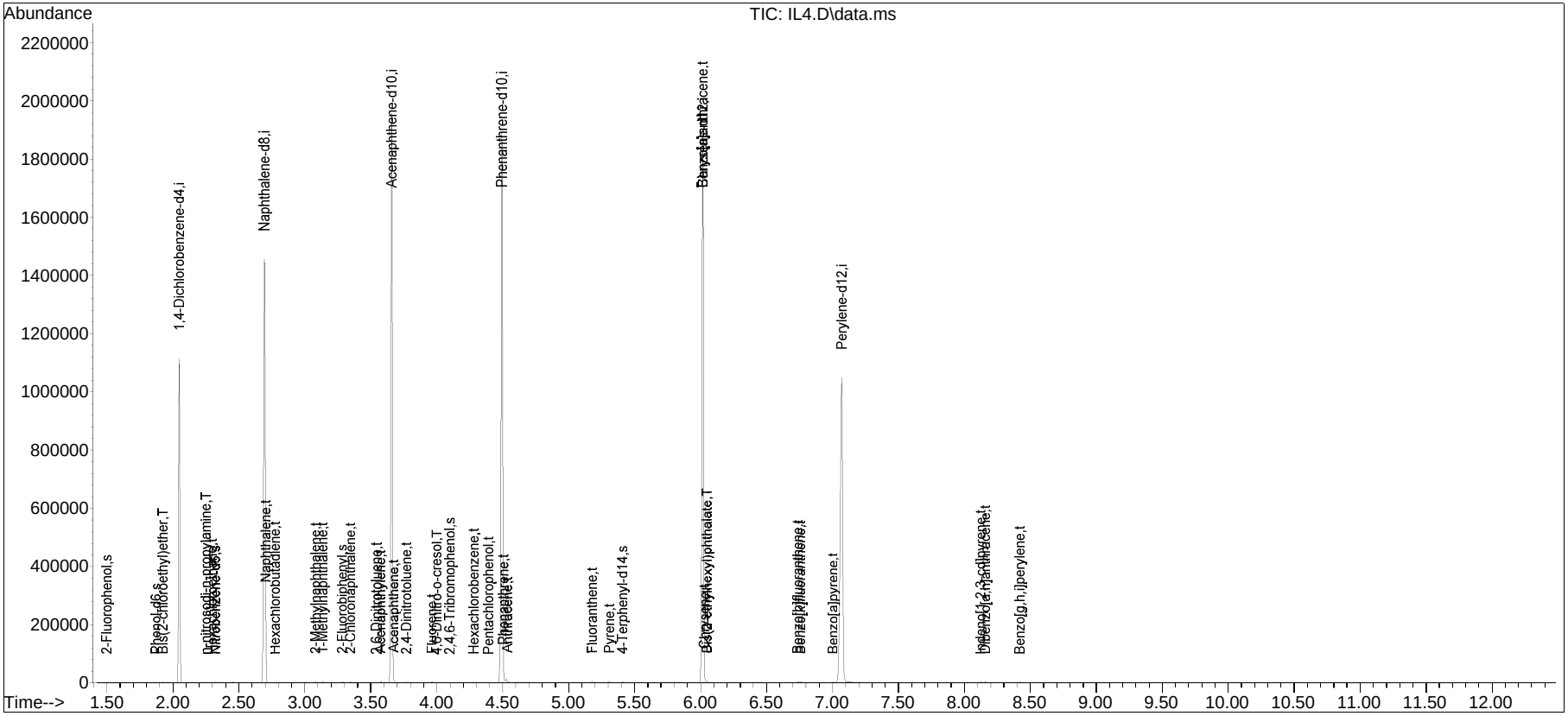
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 09:08 am
Operator : SV120:mrg
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1993471
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 11:44:40 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

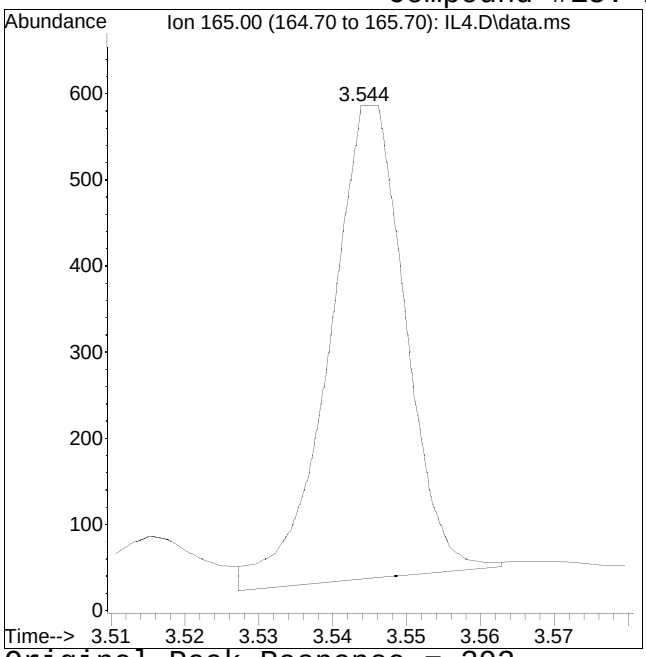
Sub List : Default - All compounds listed05RVTical\IL8.D•



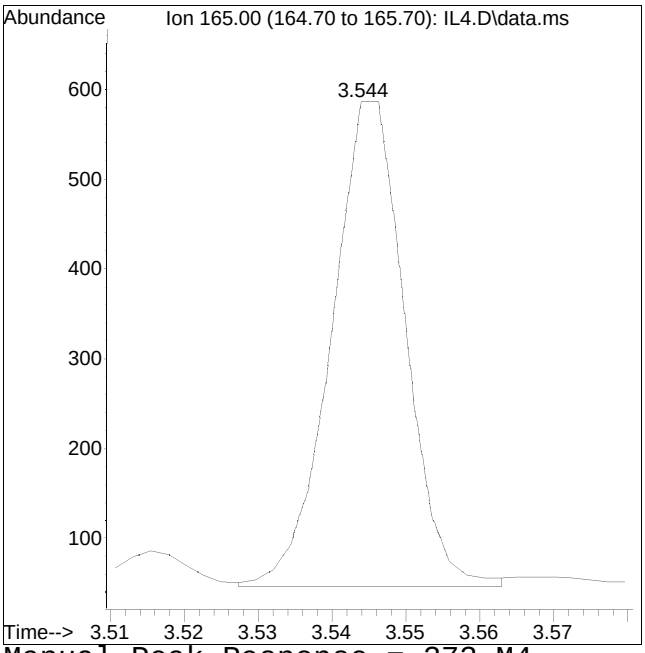
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL4.D
Date Inj'd : 11/5/2024 9:08 am
Sample : IL4,32,,10.0ng/mL lot#1089
Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:37 am

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 393



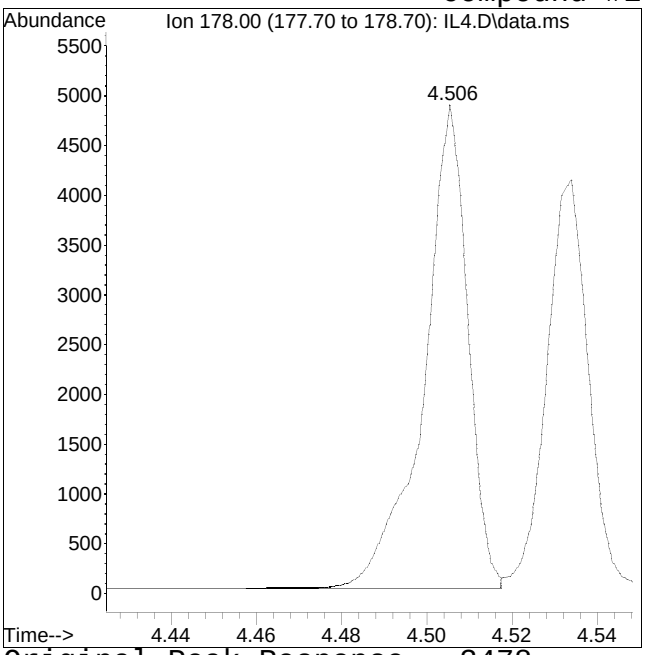
Manual Peak Response = 373 M4

M4 = Poor automated baseline construction.

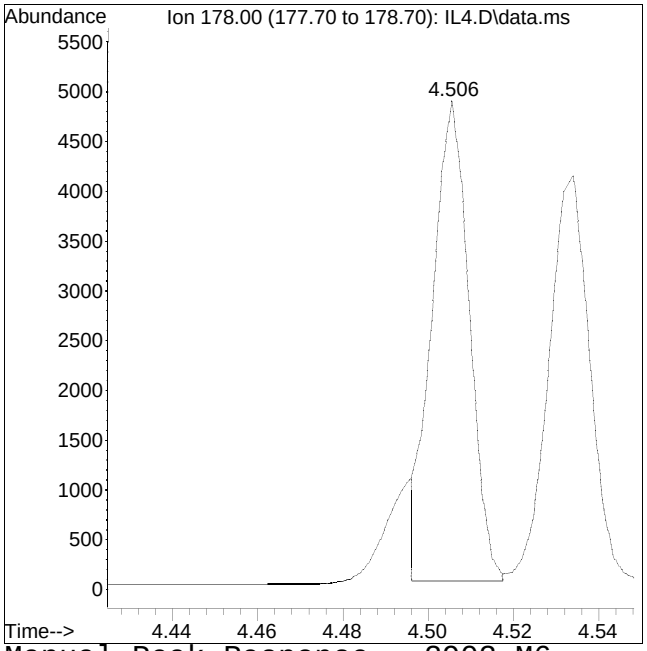
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL4.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:08 am Instrument : SV120
Sample : IL4,32,,10.0ng/mL lot#1089Quant Date : 12/2/2024 11:37 am

Compound #26: Phenanthrene



Original Peak Response = 3478



Manual Peak Response = 2903 M6

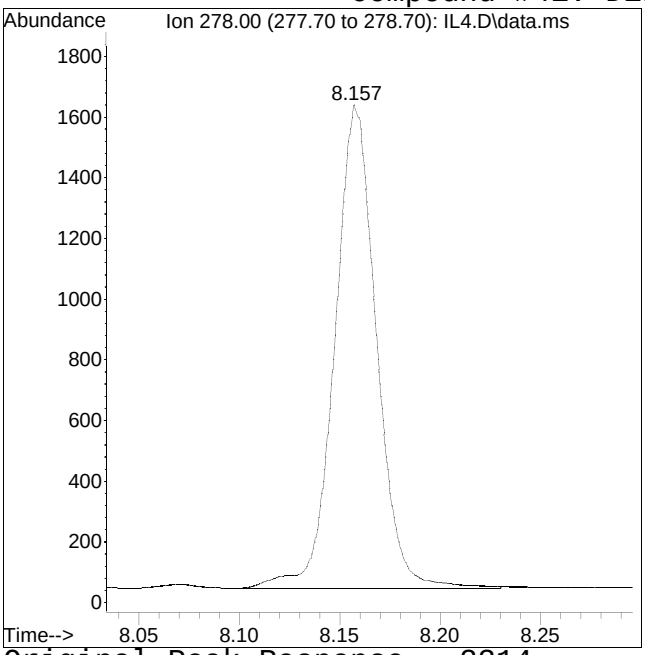
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

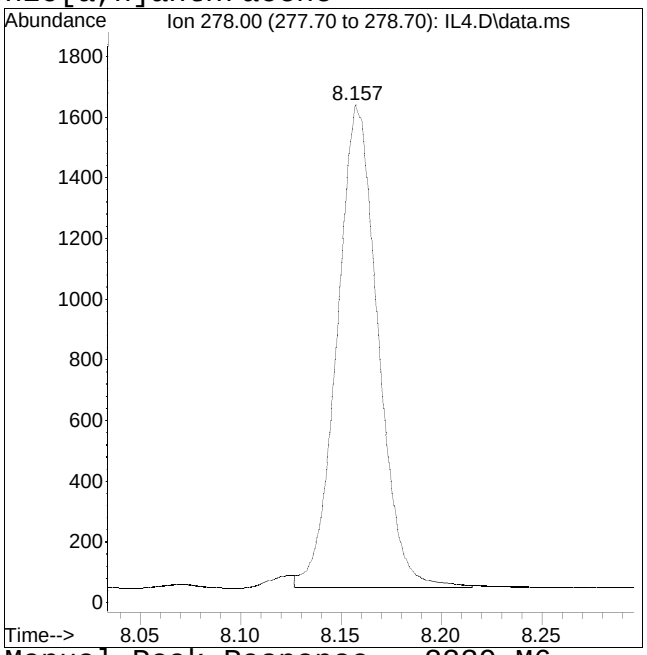
Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL4.D
Date Inj'd : 11/5/2024 9:08 am
Sample : IL4,32,,10.0ng/mL lot#1089

Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:37 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2314



Manual Peak Response = 2239 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 09:24 am
Operator : SV120:mrg
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1993471
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 11:44:28 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.049	152	277209	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 102.92%			
8) Naphthalene-d8	2.692	136	1070314	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 101.45%			
17) Acenaphthene-d10	3.659	164	639747	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 104.58%			
22) Phenanthrene-d10	4.492	188	1250139	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 107.24%			
31) Chrysene-d12	6.013	240	1105773	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 112.74%			
36) Perylene-d12	7.069	264	1030640	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 107.21%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.504	112	415	5.087	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.25%#			
3) Phenol-d6	1.877	99	474	4.728	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
7) Nitrobenzene-d5	2.323	82	428	4.836	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.48%#			
13) 2-Fluorobiphenyl	3.284	172	1100	5.099	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.51%#			
21) 2,4,6-Tribromophenol	4.101	330	114	4.476	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.22%#			
30) 4-Terphenyl-d14	5.406	244	1167	5.134	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.26%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.926	93	427	1.694	ng/ml	100
5) n-nitrosodi-n-propylamine	2.250	70	296	4.895	ng/ml	96
6) Hexachloroethane	2.296	117	180	4.960	ng/ml	99
9) Naphthalene	2.701	128	1375	5.139	ng/ml#	90
10) Hexachlorobutadiene	2.776	225	258	5.089	ng/ml	94
11) 2-Methylnaphthalene	3.079	142	934	5.028	ng/ml	100
12) 1-Methylnaphthalene	3.131	142	868	5.080	ng/ml	100
14) 2-Chloronaphthalene	3.345	162	937	5.082	ng/ml	100
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		
16) Acenaphthylene	3.576	152	1283	4.826	ng/ml	100
18) Acenaphthene	3.673	153	939M6	4.863	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 09:24 am
Operator : SV120:mrg
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1993471
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 11:44:28 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	3.963	166	1019	4.877	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.002	198	86	23.951	ng/ml	89
24) Hexachlorobenzene	4.278	284	338	5.119	ng/ml	99
25) Pentachlorophenol	4.395	266	115	10.237	ng/ml	97
26) Phenanthrene	4.504	178	1401M6	4.703	ng/ml	
27) Anthracene	4.532	178	1524	4.944	ng/ml	100
28) Fluoranthene	5.181	202	1702	4.960	ng/ml	100
29) Pyrene	5.307	202	1759	4.971	ng/ml	99
32) Benzo[a]anthracene	6.010	228	4931M6	4.974	ng/ml	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.025	228	1377M3	4.704	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.047	149	1061	5.422	ng/ml	99
37) Benzo[b]fluoranthene	6.734	252	1525	4.876	ng/ml	100
38) Benzo[k]fluoranthene	6.755	252	1338	4.759	ng/ml	100
39) Benzo[a]pyrene	7.002	252	1177	4.595	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.119	276	1218	4.650	ng/ml	99
41) Dibenzo[a,h]anthracene	8.155	278	1151M6	4.678	ng/ml	
42) Benzo[g,h,i]perylene	8.418	276	1212	4.765	ng/ml	100

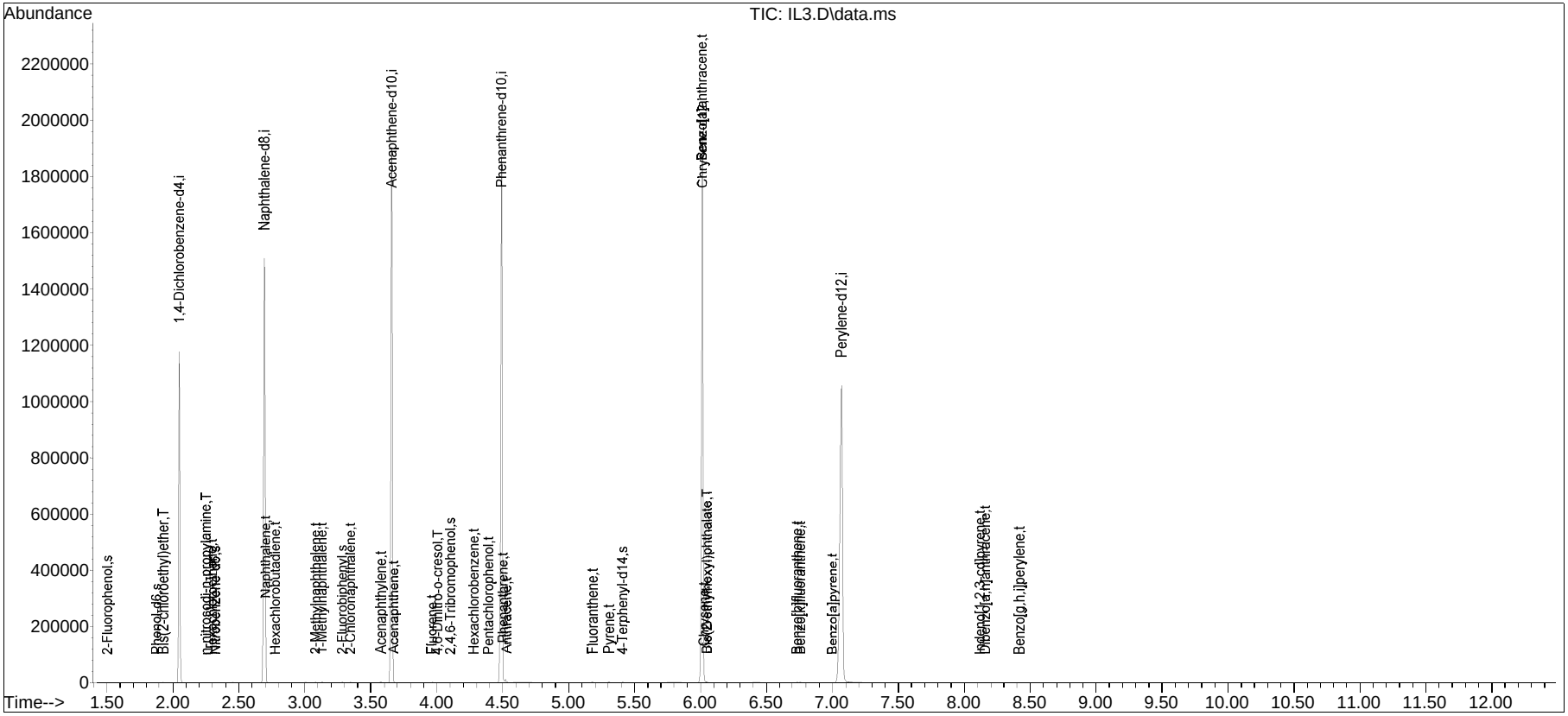
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 09:24 am
Operator : SV120:mrg
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1993471
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 11:44:28 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

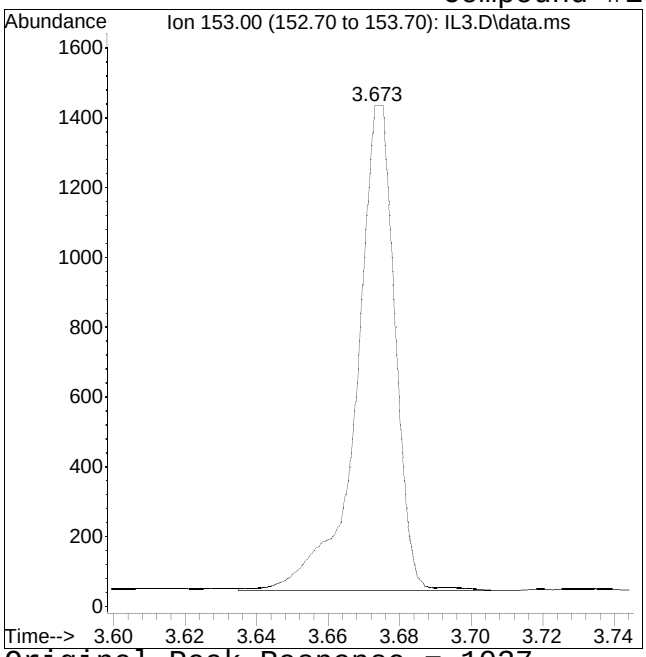
Sub List : Default - All compounds listed05RVTical\IL8.D•



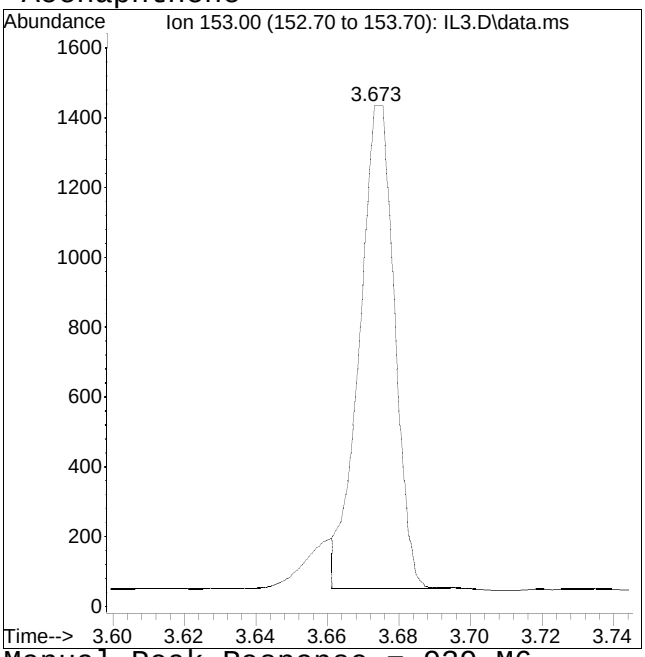
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:24 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #18: Acenaphthene



Original Peak Response = 1037



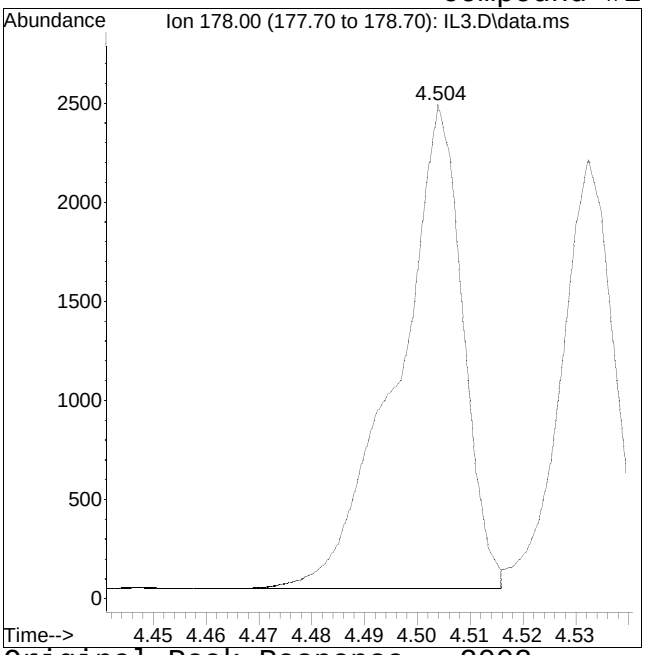
Manual Peak Response = 939 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

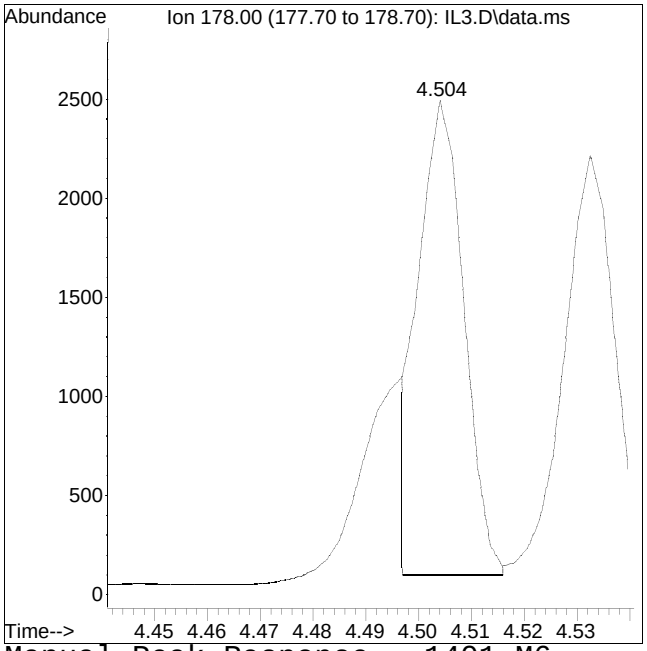
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:24 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #26: Phenanthrene



Original Peak Response = 2092



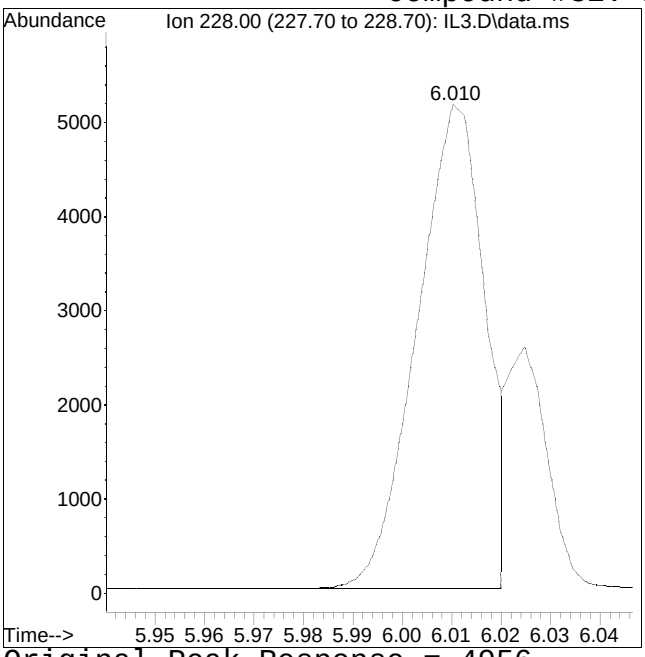
Manual Peak Response = 1401 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

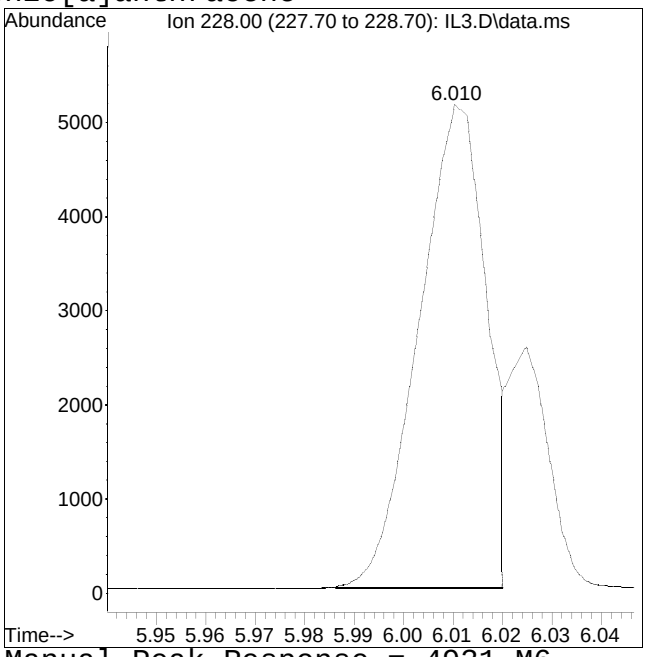
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:24 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #32: Benzo[a]anthracene



Original Peak Response = 4956



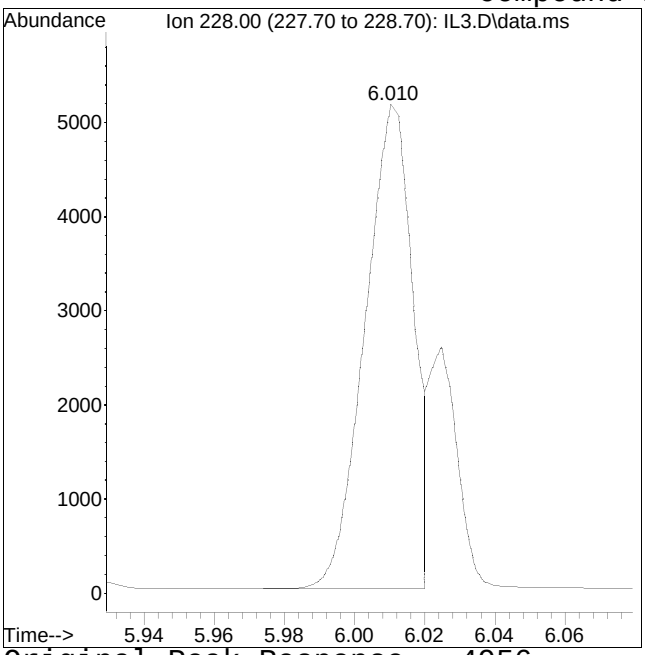
Manual Peak Response = 4931 M6

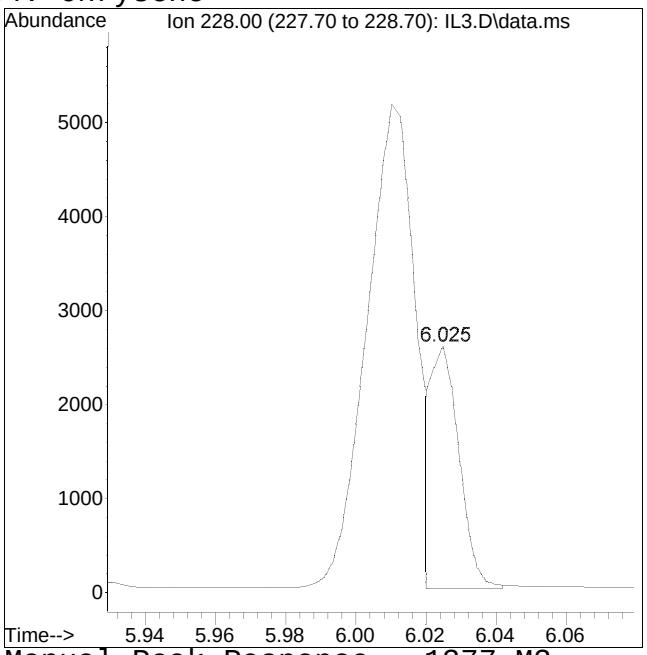
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:24 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #34: Chrysene



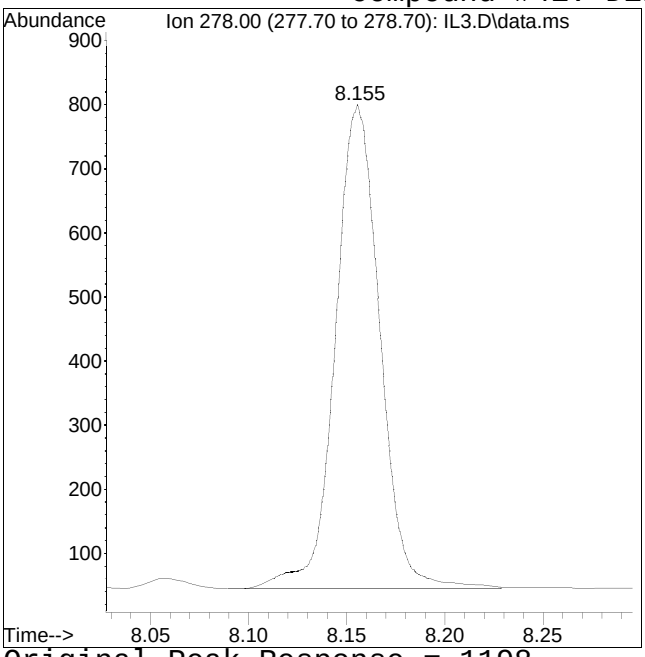


Original Peak Response = 4956 Manual Peak Response = 1377 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

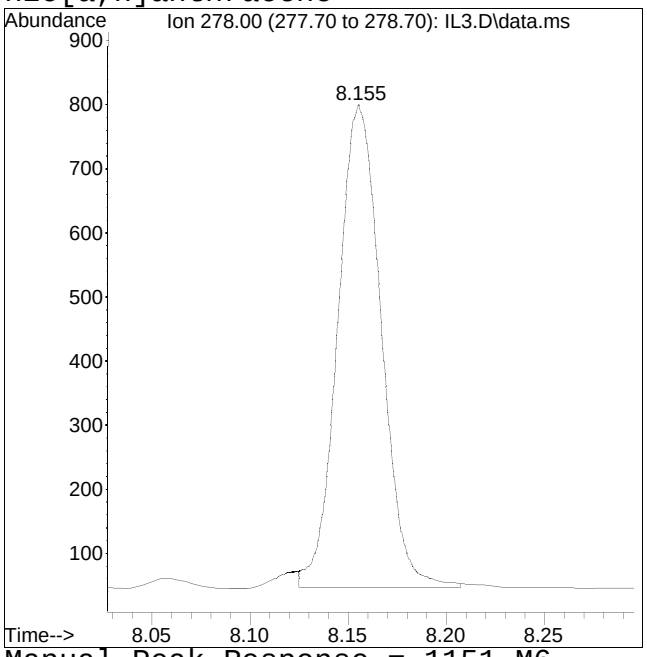
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL3.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:24 am Instrument : SV120
Sample : IL3,32,,5.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1198



Manual Peak Response = 1151 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 09:41 am
Operator : SV120:mrg
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1993471
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 02 11:44:20 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.050	152	300806	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 111.68%			
8) Naphthalene-d8	2.692	136	1162521	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 110.19%			
17) Acenaphthene-d10	3.657	164	694331	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 113.51%			
22) Phenanthrene-d10	4.494	188	1365605	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 117.14%			
31) Chrysene-d12	6.017	240	1182613	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 120.58%			
36) Perylene-d12	7.074	264	1106733	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 115.13%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.506	112	191	2.157	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.11%#			
3) Phenol-d6	1.877	99	222	2.041	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
7) Nitrobenzene-d5	2.323	82	187	1.947	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.19%#			
13) 2-Fluorobiphenyl	3.284	172	509	2.172	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.22%#			
21) 2,4,6-Tribromophenol	4.099	330	52M4	1.881	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.09%#			
30) 4-Terphenyl-d14	5.409	244	545	2.195	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.11%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.920	93	504	2.124	ng/ml#	44
5) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
6) Hexachloroethane	2.296	117	92	2.336	ng/ml	96
9) Naphthalene	2.702	128	671	2.309	ng/ml#	79
10) Hexachlorobutadiene	2.776	225	119	2.161	ng/ml	91
11) 2-Methylnaphthalene	3.080	142	431	2.136	ng/ml	99
12) 1-Methylnaphthalene	3.132	142	397	2.139	ng/ml	100
14) 2-Chloronaphthalene	3.345	162	436	2.177	ng/ml	99
15) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
16) Acenaphthylene	3.576	152	610	2.112	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 09:41 am
Operator : SV120:mrg
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1993471
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 02 11:44:20 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.673	153	454M6	2.166	ng/ml	
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	3.961	166	487M6	2.148	ng/ml	
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	4.278	284	160	2.218	ng/ml	94
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.506	178	635M6	1.951	ng/ml	
27) Anthracene	4.532	178	690M6	2.049	ng/ml	
28) Fluoranthene	5.180	202	814	2.172	ng/ml#	94
29) Pyrene	5.306	202	839	2.171	ng/ml	99
32) Benzo[a]anthracene	6.014	228	4239M6	2.098	ng/ml	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.024	228	584M3	1.865	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.048	149	922	4.406	ng/ml	98
37) Benzo[b]fluoranthene	6.739	252	719	2.141	ng/ml	99
38) Benzo[k]fluoranthene	6.760	252	584	1.934	ng/ml	99
39) Benzo[a]pyrene	7.007	252	542	1.970	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.127	276	555	1.973	ng/ml	97
41) Dibenzo[a,h]anthracene	8.160	278	526M6	1.991	ng/ml	
42) Benzo[g,h,i]perylene	8.422	276	551	2.017	ng/ml	99

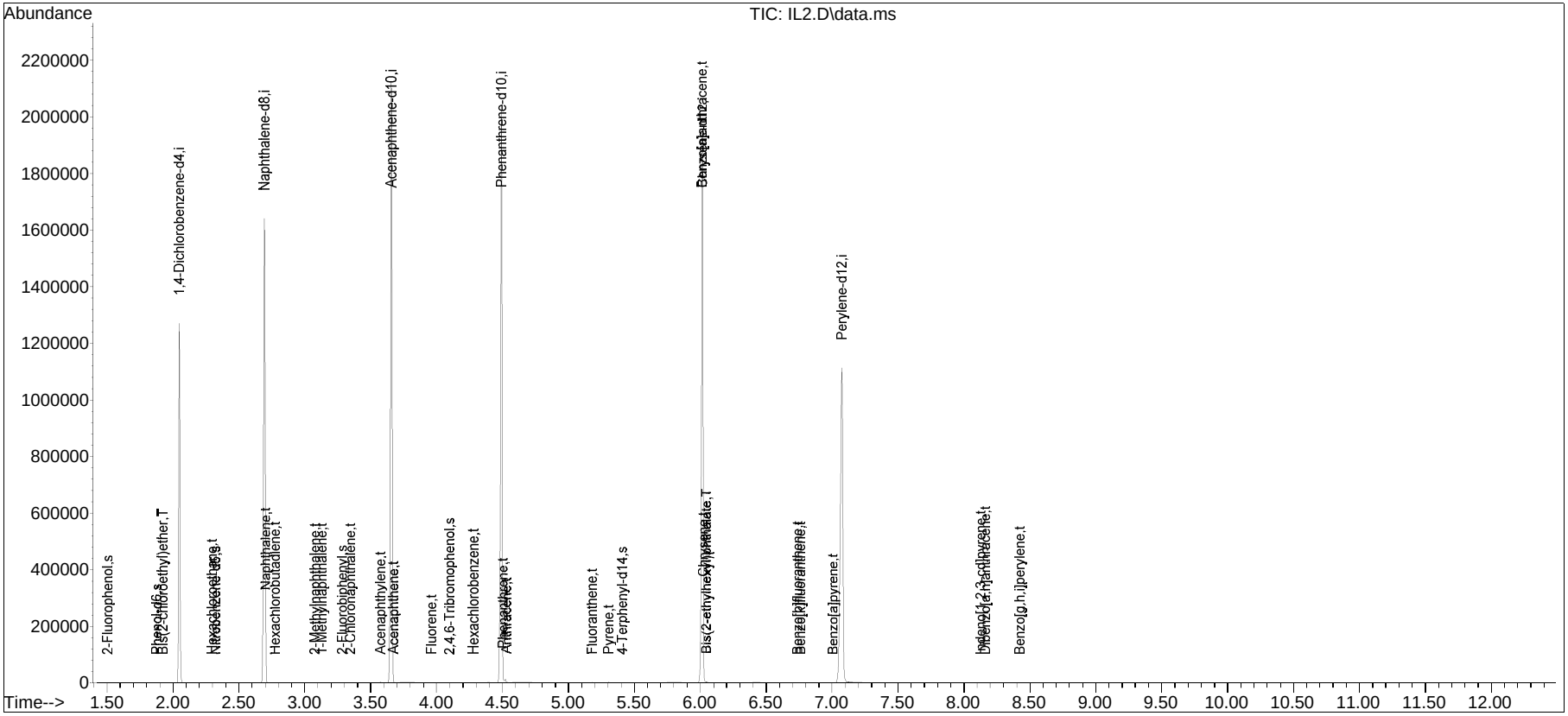
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 09:41 am
Operator : SV120:mrg
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1993471
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 02 11:44:20 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

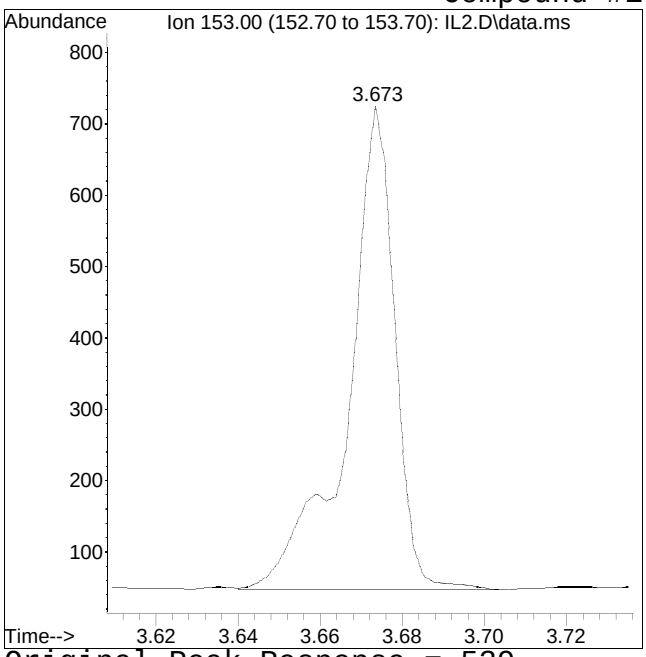
Sub List : Default - All compounds listed05RVTical\IL8.D•



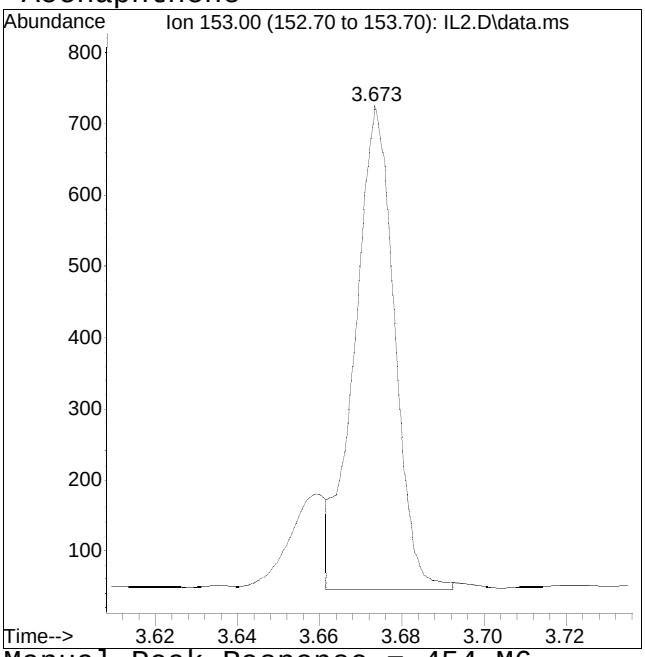
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 12/2/2024 11:36 am

Compound #18: Acenaphthene



Original Peak Response = 539



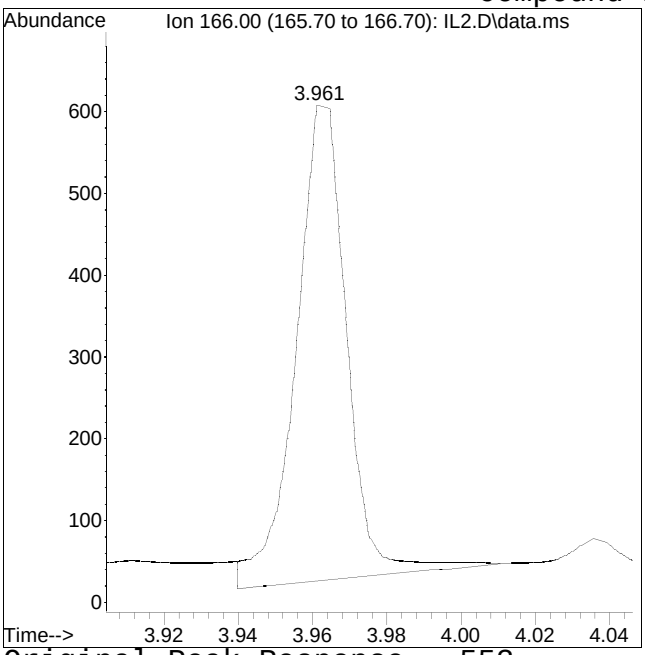
Manual Peak Response = 454 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

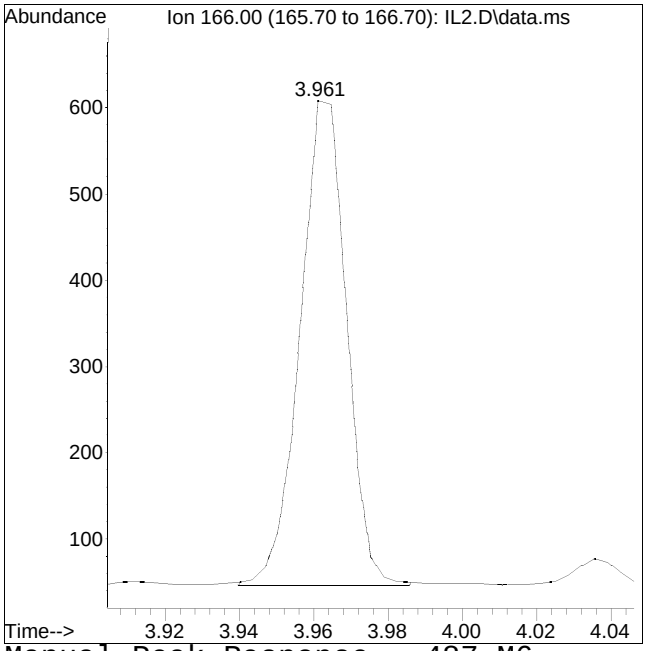
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 12/2/2024 11:36 am

Compound #20: Fluorene



Original Peak Response = 553



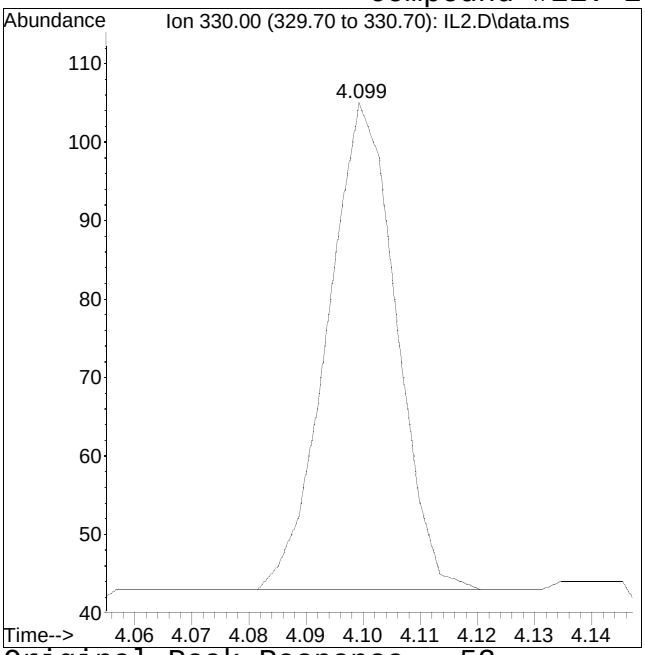
Manual Peak Response = 487 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

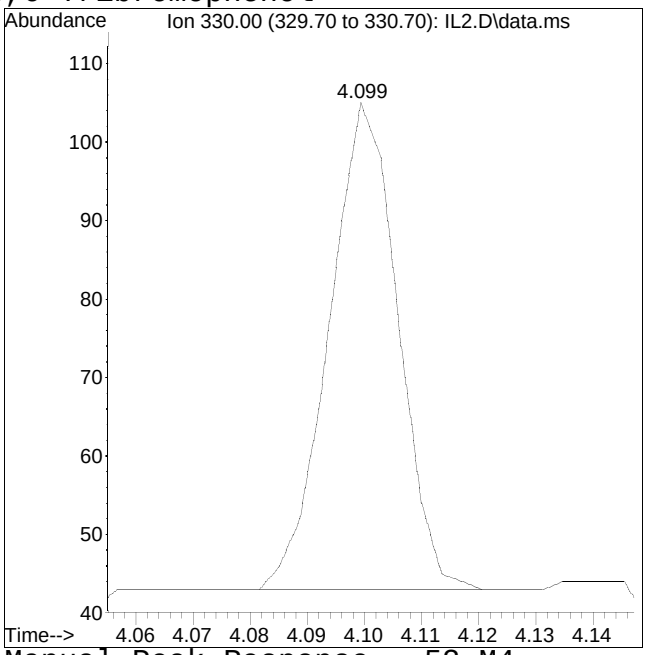
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 12/2/2024 11:36 am

Compound #21: 2,4,6-Tribromophenol



Original Peak Response = 52



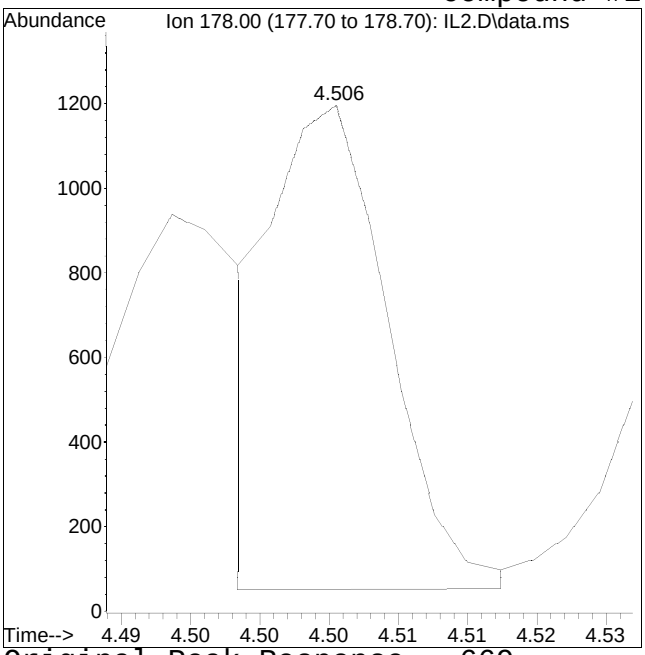
Manual Peak Response = 52 M4

M4 = Poor automated baseline construction.

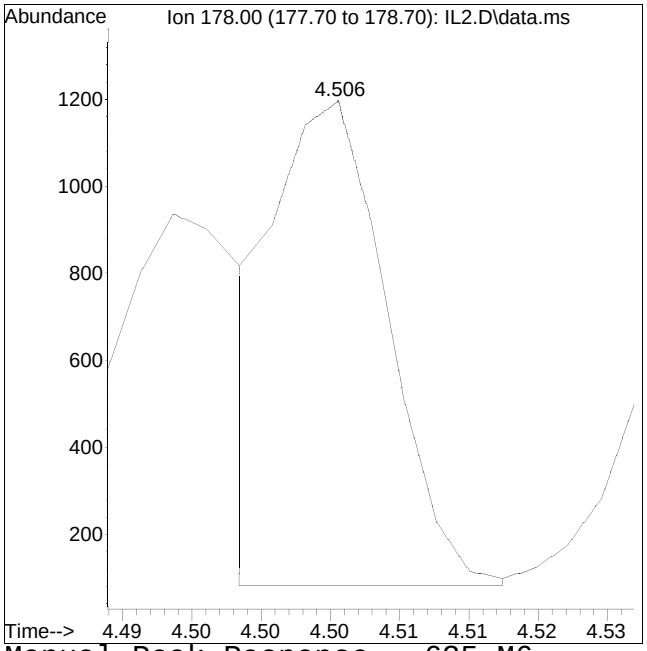
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 12/2/2024 11:36 am

Compound #26: Phenanthrene



Original Peak Response = 669



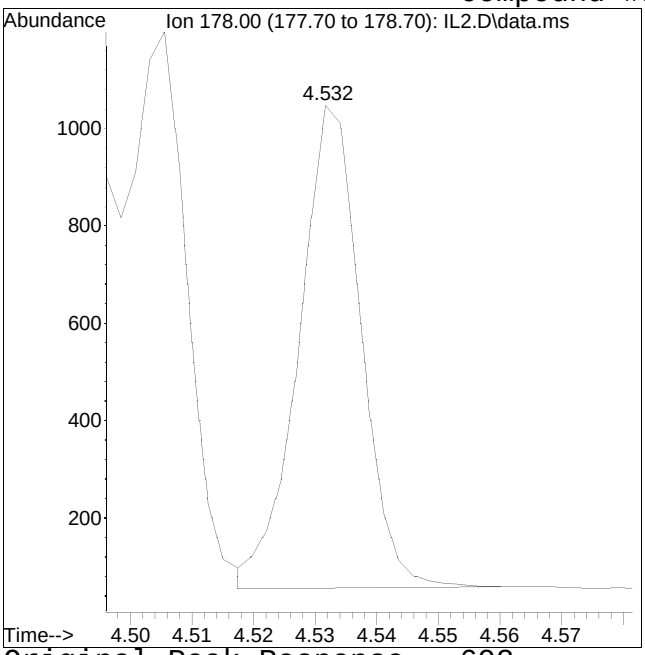
Manual Peak Response = 635 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

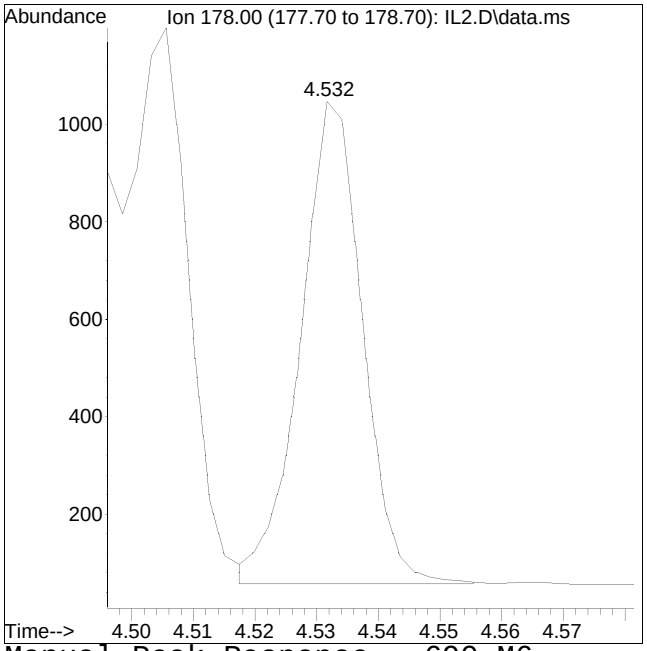
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 12/2/2024 11:36 am

Compound #27: Anthracene



Original Peak Response = 692



Manual Peak Response = 690 M6

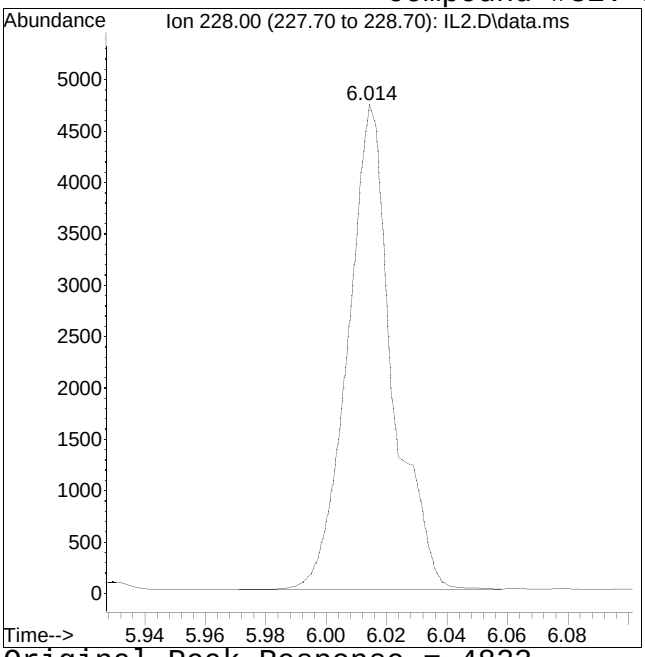
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

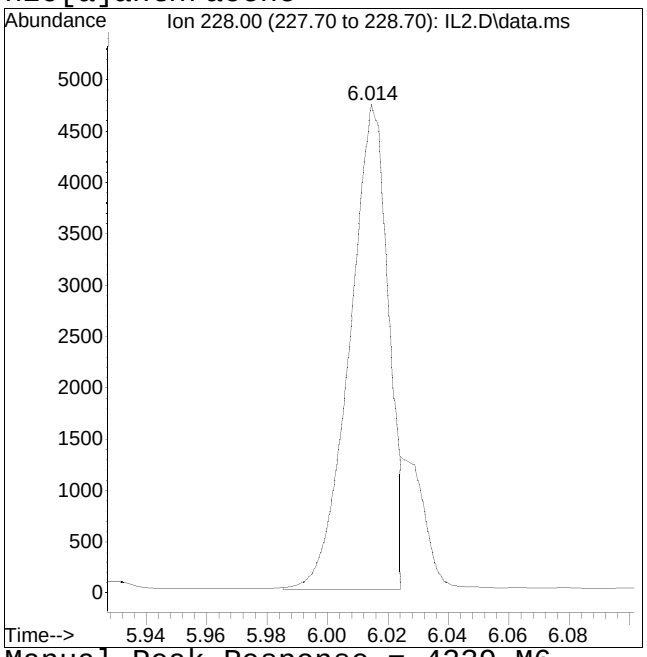
Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL2.D
Date Inj'd : 11/5/2024 9:41 am
Sample : IL2,32,,2.0ng/mL lot# 1090

Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:36 am

Compound #32: Benzo[a]anthracene



Original Peak Response = 4823



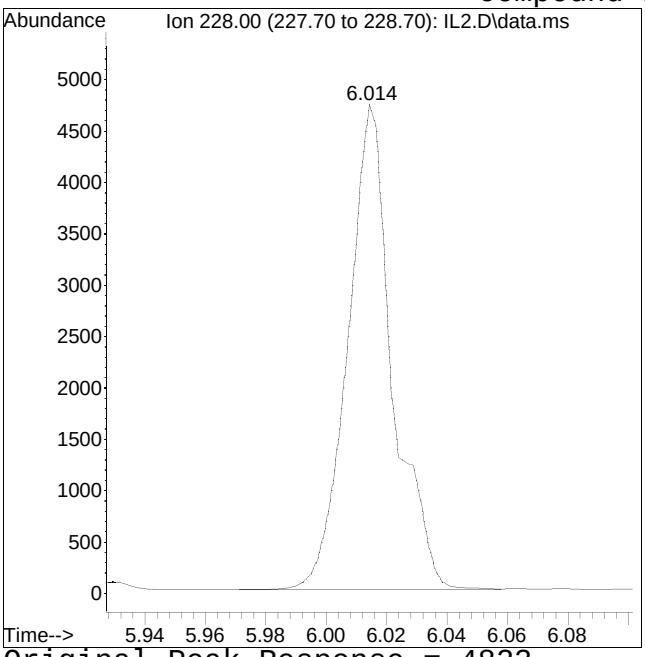
Manual Peak Response = 4239 M6

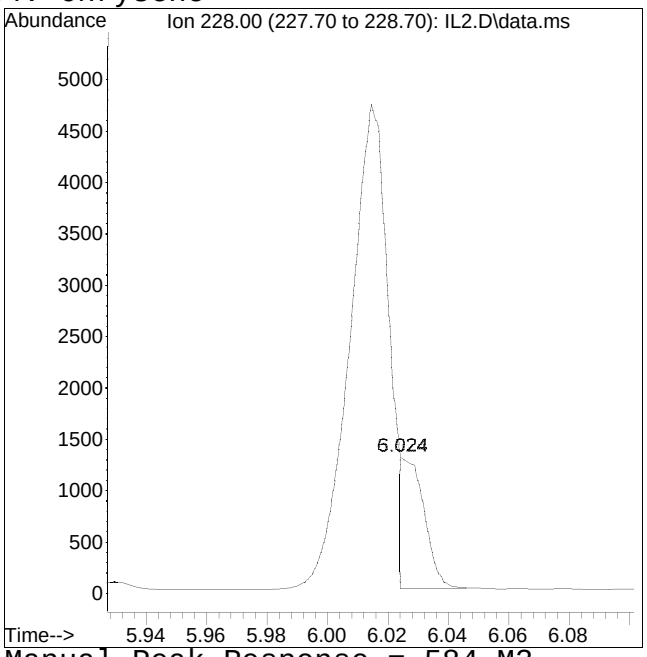
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 12/2/2024 11:36 am

Compound #34: Chrysene



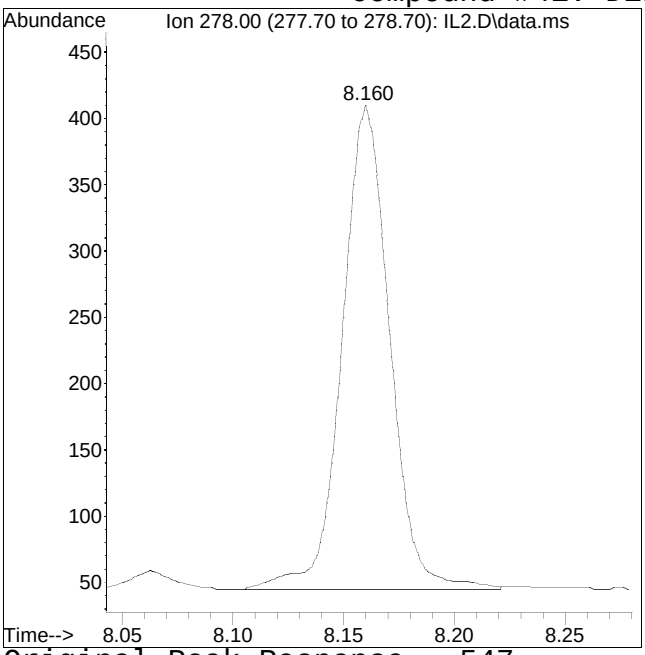


Original Peak Response = 4823 Manual Peak Response = 584 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

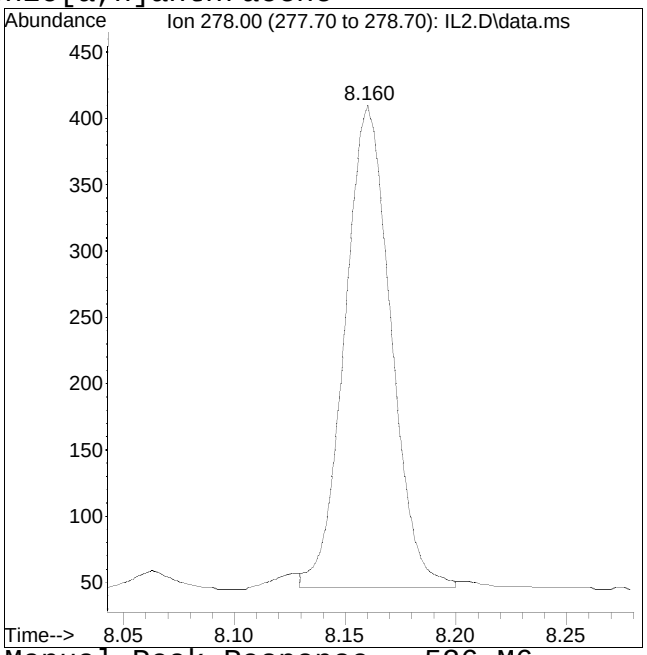
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL2.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:41 am Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 12/2/2024 11:36 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 547



Manual Peak Response = 526 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 09:57 am
Operator : SV120:mrg
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1993471
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 02 11:44:05 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.049	152	284403	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 105.59%			
8) Naphthalene-d8	2.692	136	1105345	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 104.77%			
17) Acenaphthene-d10	3.657	164	659084	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 107.74%			
22) Phenanthrene-d10	4.493	188	1299114	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 111.44%			
31) Chrysene-d12	6.013	240	1133436	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 115.57%			
36) Perylene-d12	7.071	264	1038005	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 107.98%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.506	112	84	1.004	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#			
3) Phenol-d6	1.877	99	101	0.982	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#			
7) Nitrobenzene-d5	2.323	82	92	1.013	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.10%#			
13) 2-Fluorobiphenyl	3.284	172	247	1.109	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
21) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
30) 4-Terphenyl-d14	5.405	244	295M4	1.249	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.06%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D. d		
5) n-nitrosodi-n-propylamine	0.000		0	N.D. d		
6) Hexachloroethane	0.000		0	N.D.		
9) Naphthalene	0.000		0	N.D. d		
10) Hexachlorobutadiene	0.000		0	N.D. d		
11) 2-Methylnaphthalene	3.080	142	205	1.069	ng/ml	100
12) 1-Methylnaphthalene	3.131	142	185	1.048	ng/ml	98
14) 2-Chloronaphthalene	3.345	162	204	1.071	ng/ml	99
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		
16) Acenaphthylene	3.576	152	279	1.016	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 09:57 am
Operator : SV120:mrg
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1993471
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 02 11:44:05 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.673	153	222M4	1.116	ng/ml	
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	3.963	166	231	1.073	ng/ml	99
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.503	178	259M3	0.837	ng/ml	
27) Anthracene	4.531	178	334	1.043	ng/ml	99
28) Fluoranthene	5.179	202	409	1.147	ng/ml#	90
29) Pyrene	5.306	202	416	1.131	ng/ml	99
32) Benzo[a]anthracene	6.013	228	3666M1	0.947	ng/ml	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.025	228	194M4	0.647	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.046	149	964	4.806	ng/ml	99
37) Benzo[b]fluoranthene	6.739	252	325	1.032	ng/ml	100
38) Benzo[k]fluoranthene	6.760	252	291	1.028	ng/ml	99
39) Benzo[a]pyrene	7.004	252	252	0.977	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	8.123	276	256	0.970	ng/ml	99
41) Dibenzo[a,h]anthracene	8.157	278	243M6	0.981	ng/ml	
42) Benzo[g,h,i]perylene	8.419	276	259	1.011	ng/ml	97

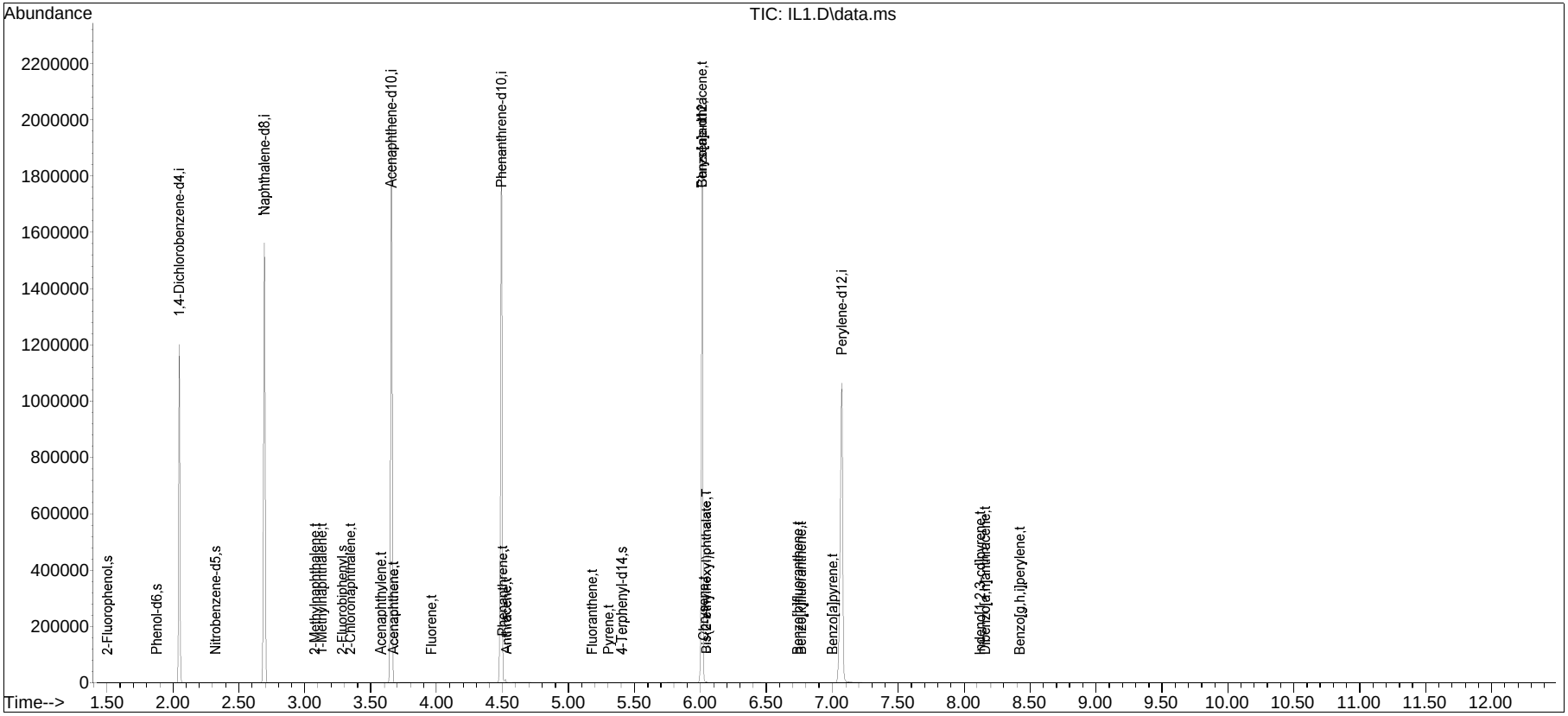
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 09:57 am
Operator : SV120:mrg
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1993471
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 02 11:44:05 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

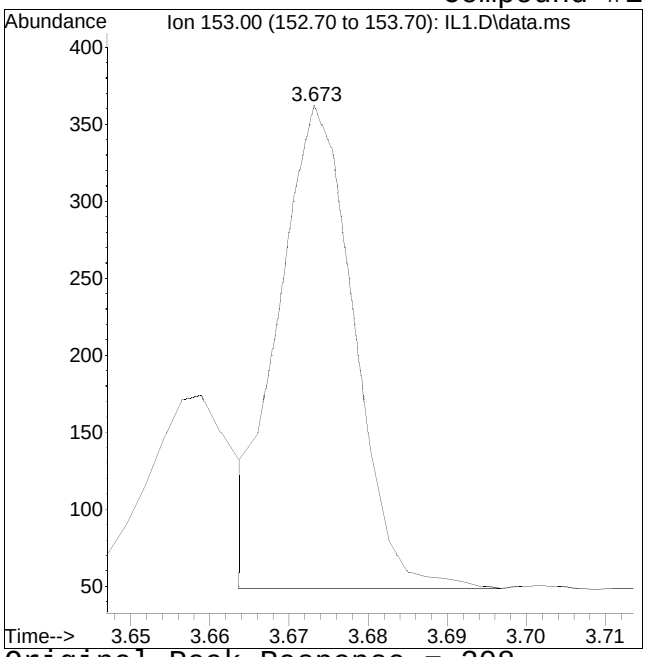
Sub List : Default - All compounds listed05RVTical\IL8.D•



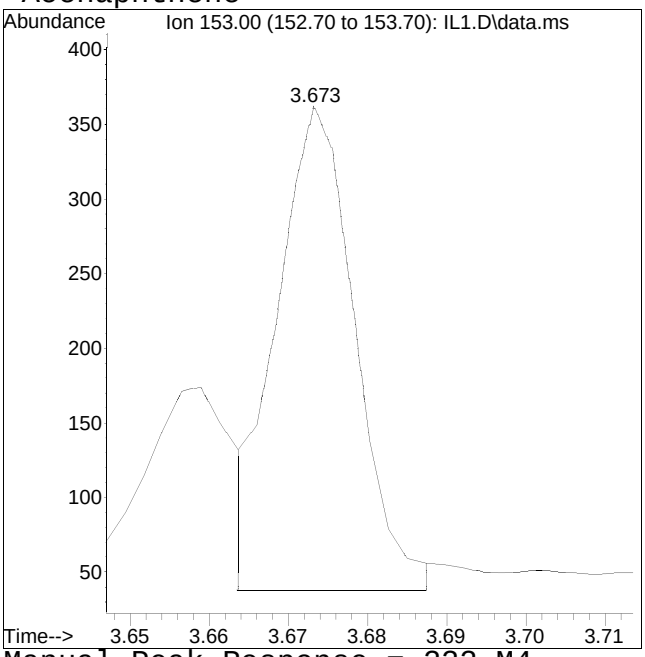
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL1.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:57 am Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #18: Acenaphthene



Original Peak Response = 208



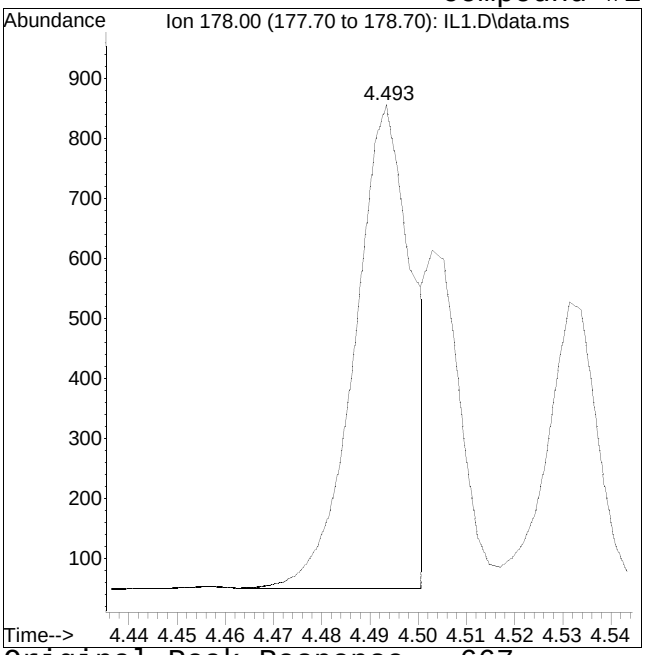
Manual Peak Response = 222 M4

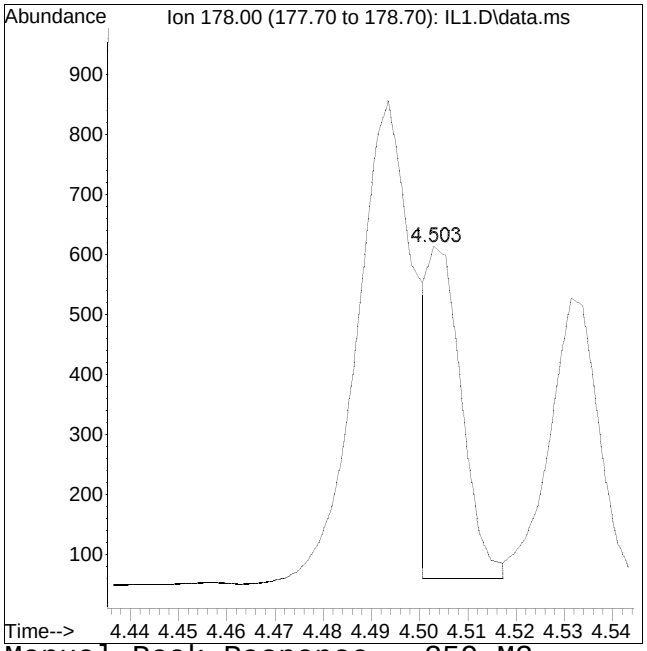
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL1.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:57 am Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #26: Phenanthrene





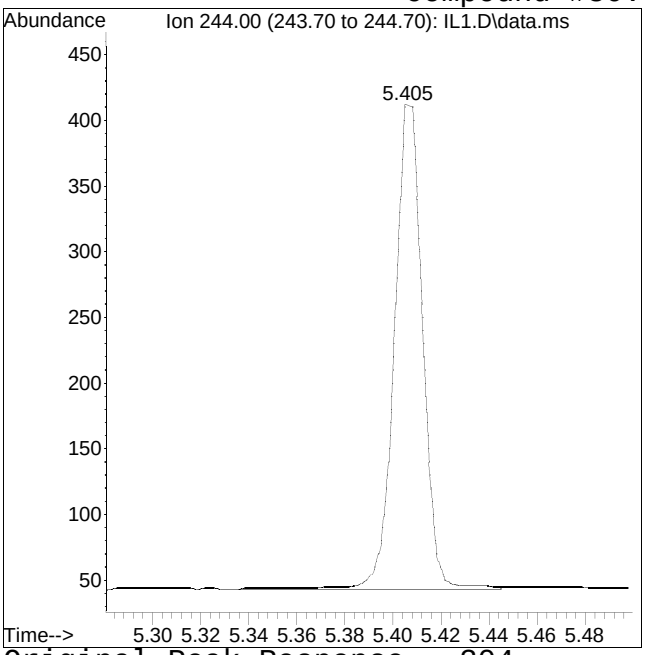
Original Peak Response = 667 Manual Peak Response = 259 M3

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.

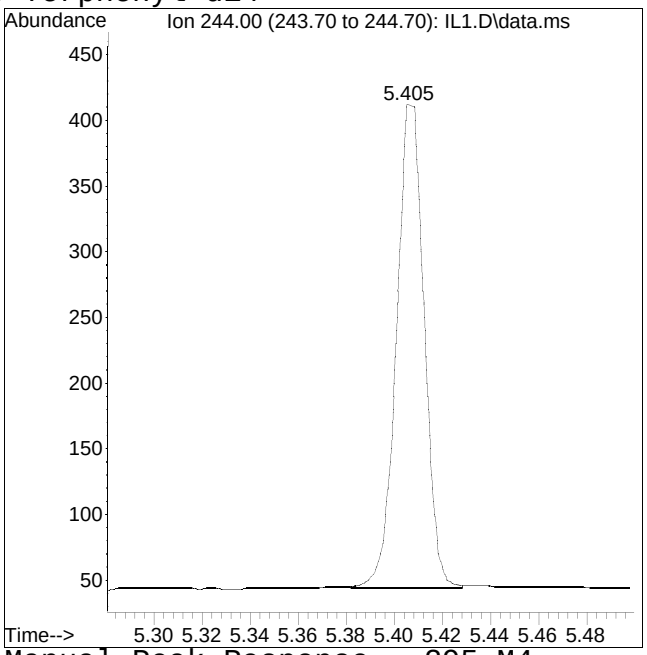
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL1.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:57 am Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #30: 4-Terphenyl-d14



Original Peak Response = 304



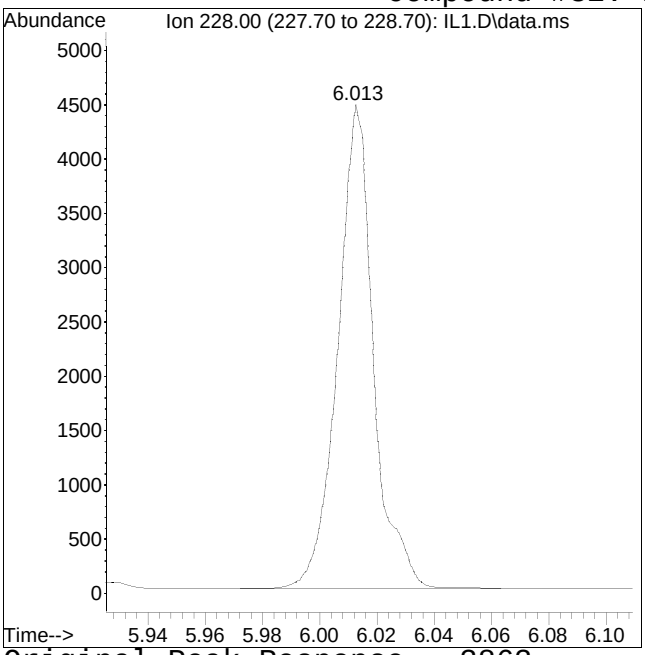
Manual Peak Response = 295 M4

M4 = Poor automated baseline construction.

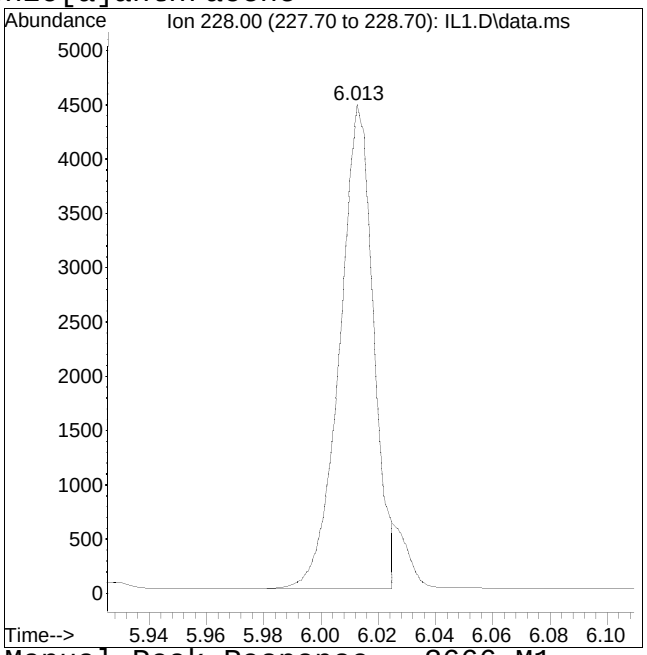
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL1.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:57 am Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #32: Benzo[a]anthracene



Original Peak Response = 3863



Manual Peak Response = 3666 M1

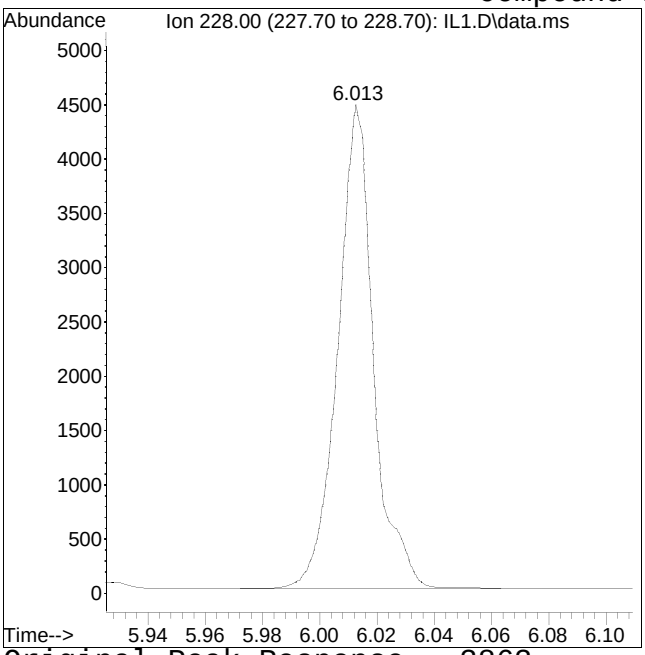
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

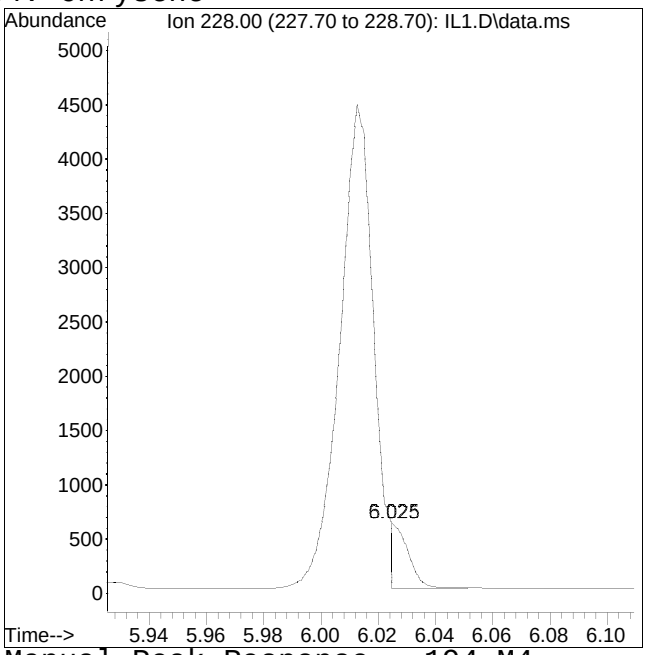
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411Q
Data File : IL1.D
Date Inj'd : 11/5/2024 9:57 am
Sample : IL1,32,,1.0ng/mL lot# 1089

Method : SIM-RVT_241105_sv120.M
Operator : SV120:mrg
Instrument : SV120
Quant Date : 12/2/2024 11:36 am

Compound #34: Chrysene



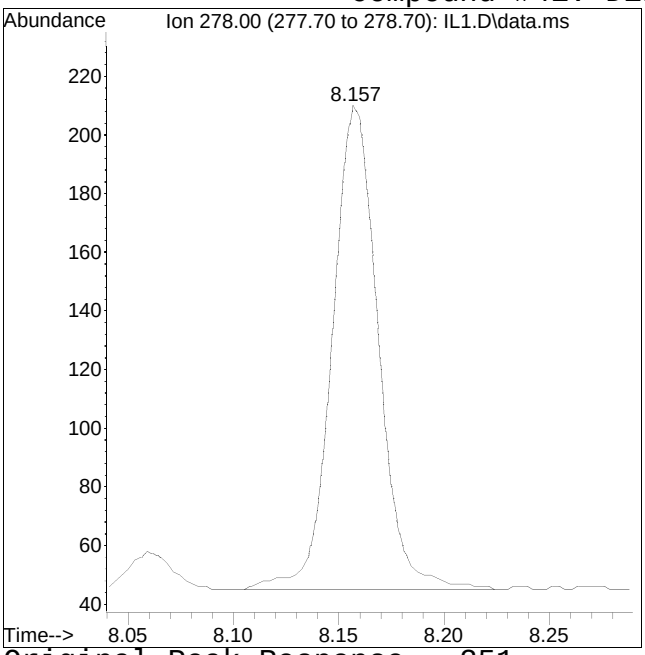


Original Peak Response = 3863 Manual Peak Response = 194 M4
M4 = Poor automated baseline construction.

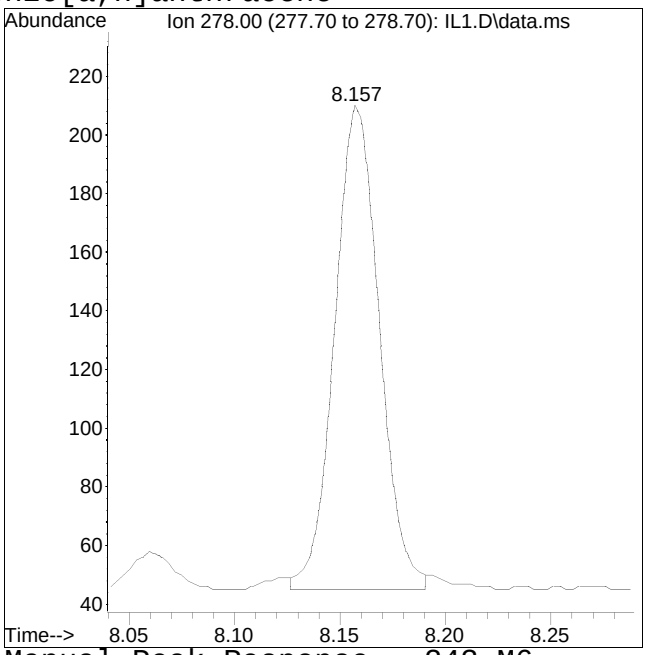
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : IL1.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 9:57 am Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1089Quant Date : 12/2/2024 11:36 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 251



Manual Peak Response = 243 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 11:35:07 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

Min. RRF : 0.050 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	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
2	s	2-Fluorophenol	1.177	1.153	2.0	76	-0.01
3	s	Phenol-d6	1.447	1.394	3.7	74	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	910.140	9.0	73	0.00
5	T	n-nitrosodi-n-propylamine	0.873	0.801	8.2	71	0.00
6	t	Hexachloroethane	0.524	0.487	7.1	72	0.00
7	s	Nitrobenzene-d5	1.277	1.200	6.0	72	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	76	0.00
9	t	Naphthalene	1.000	0.900	10.0	73	0.00
10	t	Hexachlorobutadiene	0.189	0.174	7.9	73	0.00
11	t	2-Methylnaphthalene	0.694	0.649	6.5	74	0.00
12	t	1-Methylnaphthalene	0.639	0.592	7.4	74	0.00
13	s	2-Fluorobiphenyl	0.806	0.732	9.2	75	0.00
14	t	2-Chloronaphthalene	0.689	0.618	10.3	73	0.00
15	t	2,6-Dinitrotoluene	0.156	0.143	8.3	72	0.00
16	t	Acenaphthylene	0.994	0.944	5.0	74	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	78	0.00
18	t	Acenaphthene	1.207	1.087	9.9	74	0.00
19	t	2,4-Dinitrotoluene	0.336	0.330	1.8	73	0.00
20	t	Fluorene	1.306	1.199	8.2	74	0.00
21	s	2,4,6-Tribromophenol	0.159	0.169	-6.3	79	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	81	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	800.208	20.0	69	0.00
24	t	Hexachlorobenzene	0.211	0.190	10.0	76	0.00
25	t	Pentachlorophenol	*1000.000	941.664	5.8	78	0.00
26	t	Phenanthrene	0.953	0.914	4.1	77	0.00
27	t	Anthracene	0.986	0.930	5.7	77	0.00
28	t	Fluoranthene	1.098	1.040	5.3	81	0.00
29	t	Pyrene	1.132	1.102	2.7	83	0.00
30	s	4-Terphenyl-d14	0.727	0.708	2.6	83	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	89	0.00
32	t	Benzo[a]anthracene	*1000.000	931.400	6.9	85	0.00
33	t	3,3'-Dichlorobenzidine	0.432	0.452	-4.6	91	0.00
34	t	Chrysene	1.059	1.093	-3.2	86	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.708	0.678	4.2	84	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 11:35:07 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

Min. RRF : 0.050 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)
36	i	Perylene-d12	1.000	1.000	0.0	94	0.00
37	t	Benzo[b]fluoranthene	1.214	1.125	7.3	91	0.00
38	t	Benzo[k]fluoranthene	1.091	1.042	4.5	87	0.00
39	t	Benzo[a]pyrene	0.994	0.982	1.2	91	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.017	0.997	2.0	91	0.00
41	t	Dibenzo[a,h]anthracene	0.955	0.944	1.2	93	0.00
42	t	Benzo[g,h,i]perylene	0.987	0.959	2.8	91	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:\8270SIM\sv120\2024\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 11:35:07 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.047	152	206472	4000.000	ng/ml	0.00
Standard Area 1 = 269340			Recovery = 76.66%			
8) Naphthalene-d8	2.691	136	804844	4000.000	ng/ml	0.00
Standard Area 1 = 1055011			Recovery = 76.29%			
17) Acenaphthene-d10	3.658	164	476077	4000.000	ng/ml	0.00
Standard Area 1 = 611711			Recovery = 77.83%			
22) Phenanthrene-d10	4.494	188	943391	4000.000	ng/ml	0.00
Standard Area 1 = 1165771			Recovery = 80.92%			
31) Chrysene-d12	6.016	240	876754	4000.000	ng/ml	0.00
Standard Area 1 = 980774			Recovery = 89.39%			
36) Perylene-d12	7.073	264	908325	4000.000	ng/ml	0.00
Standard Area 1 = 961303			Recovery = 94.49%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.491	112	59529	979.648	ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.98%			
3) Phenol-d6	1.873	99	71980	963.903	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.20%			
7) Nitrobenzene-d5	2.319	82	61943	939.610	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 93.96%			
13) 2-Fluorobiphenyl	3.284	172	147269	907.830	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 90.78%			
21) 2,4,6-Tribromophenol	4.099	330	20136	1062.496	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.12%			
30) 4-Terphenyl-d14	5.407	244	167094	974.085	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 48.70%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.922	93	57941	910.140	ng/ml	99
5) n-nitrosodi-n-propylamine	2.246	70	41367	918.502	ng/ml	100
6) Hexachloroethane	2.293	117	25118	929.244	ng/ml	100
9) Naphthalene	2.701	128	181157	900.410	ng/ml	100
10) Hexachlorobutadiene	2.775	225	35082	920.241	ng/ml	100
11) 2-Methylnaphthalene	3.079	142	130487	934.188	ng/ml	100
12) 1-Methylnaphthalene	3.131	142	119040	926.544	ng/ml	100
14) 2-Chloronaphthalene	3.345	162	124383	897.047	ng/ml	100
15) 2,6-Dinitrotoluene	3.546	165	28850	919.233	ng/ml	97
16) Acenaphthylene	3.575	152	189901	949.907	ng/ml	100
18) Acenaphthene	3.674	153	129351	900.147	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 11:35:07 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\2024\241105RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.772	165	39315	982.638	ng/ml	97
20) Fluorene	3.961	166	142652	917.438	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.000	198	22203	800.208	ng/ml	99
24) Hexachlorobenzene	4.280	284	44697	896.959	ng/ml	100
25) Pentachlorophenol	4.391	266	25675	941.664	ng/ml	100
26) Phenanthrene	4.505	178	215532	958.717	ng/ml	100
27) Anthracene	4.532	178	219278	942.743	ng/ml	100
28) Fluoranthene	5.178	202	245243	947.125	ng/ml	100
29) Pyrene	5.307	202	259868	973.278	ng/ml	99
32) Benzo[a]anthracene	6.006	228	251011	931.400	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.001	252	99042	1045.050	ng/ml	100
34) Chrysene	6.028	228	239672	1032.570	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.049	149	148592	957.745	ng/ml	100
37) Benzo[b]fluoranthene	6.740	252	255448	926.828	ng/ml	100
38) Benzo[k]fluoranthene	6.765	252	236705	955.330	ng/ml	100
39) Benzo[a]pyrene	7.009	252	222935	987.522	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.131	276	226414	980.823	ng/ml	100
41) Dibenzo[a,h]anthracene	8.168	278	214255M6	987.983	ng/ml	
42) Benzo[g,h,i]perylene	8.430	276	217730	971.223	ng/ml	99

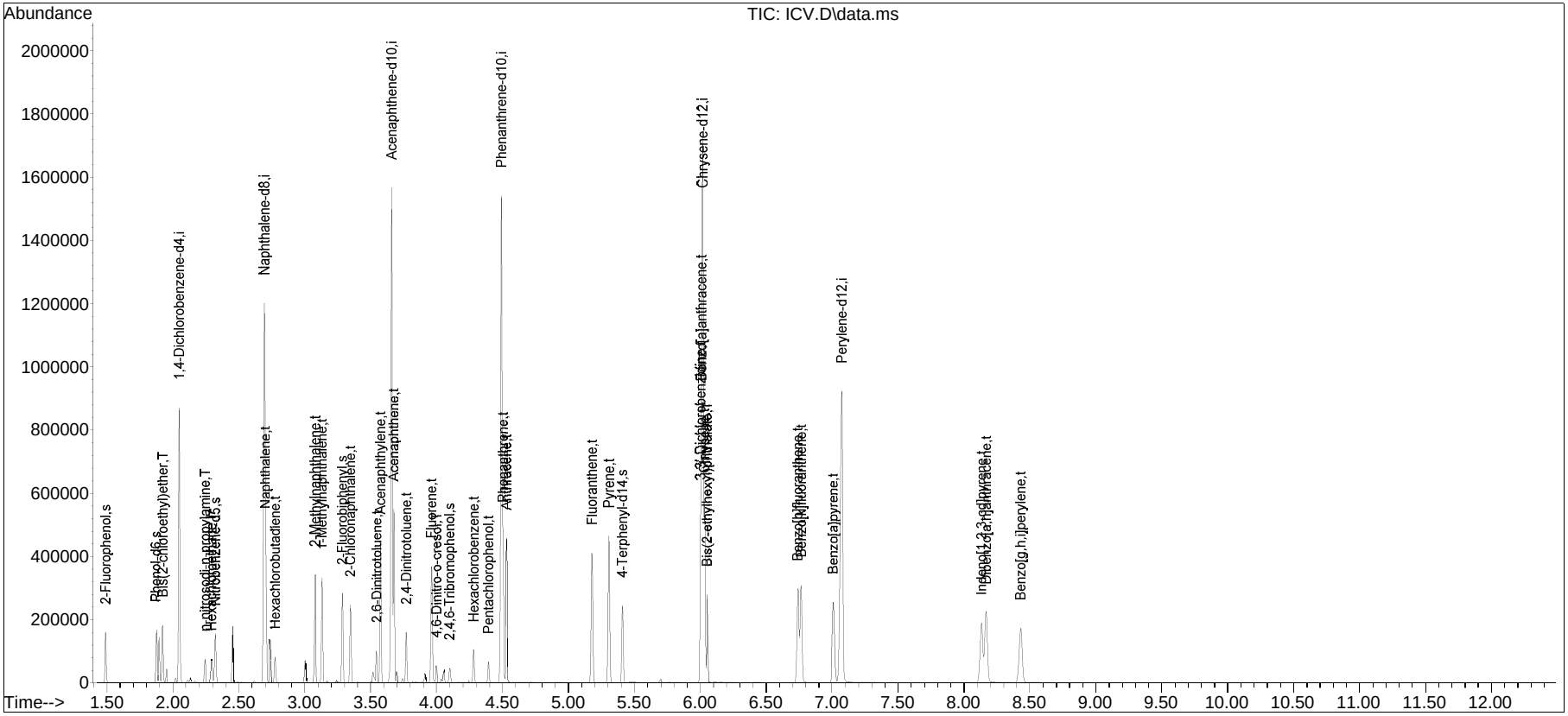
(#) = qualifier out of range (m) = manual integration (+) = signals summed

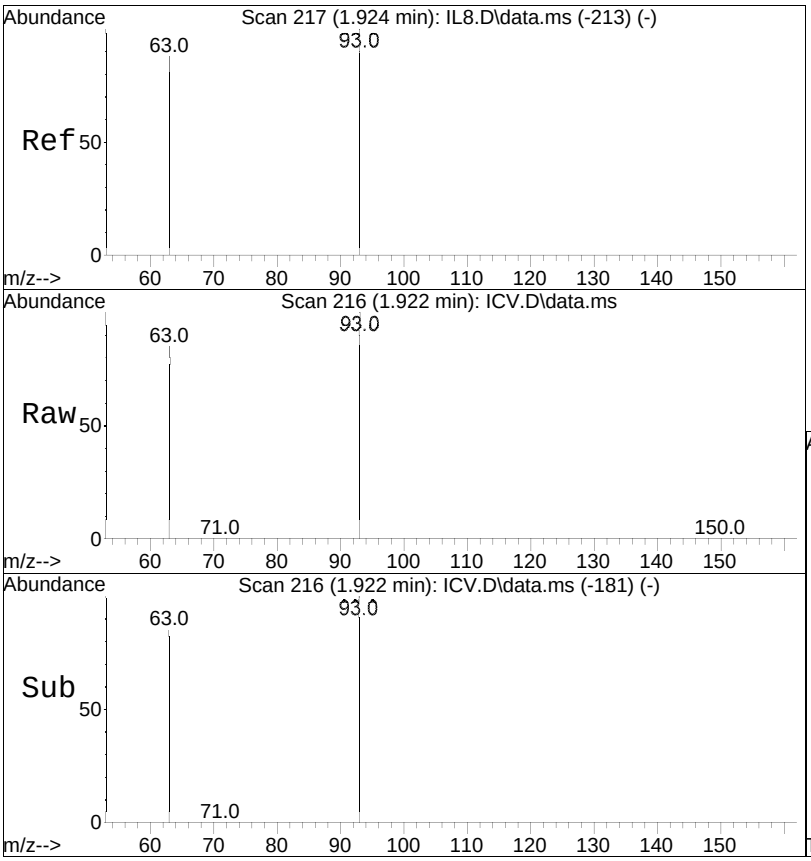
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\2024\241105RVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 10:13 am
Operator : SV120:mrg
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1993471
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 11:35:07 2024
Quant Method : I:\8270SIM\sv120\2024\241105RVTical\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 11:36:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed05RVTical\IL8.D•

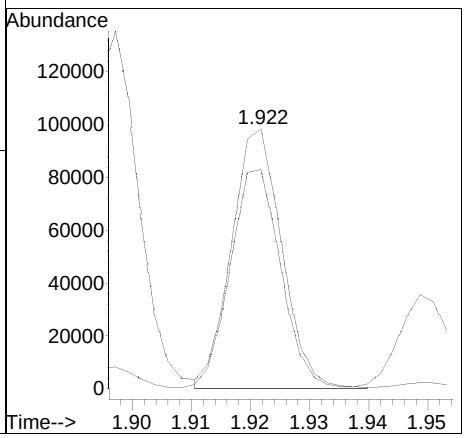


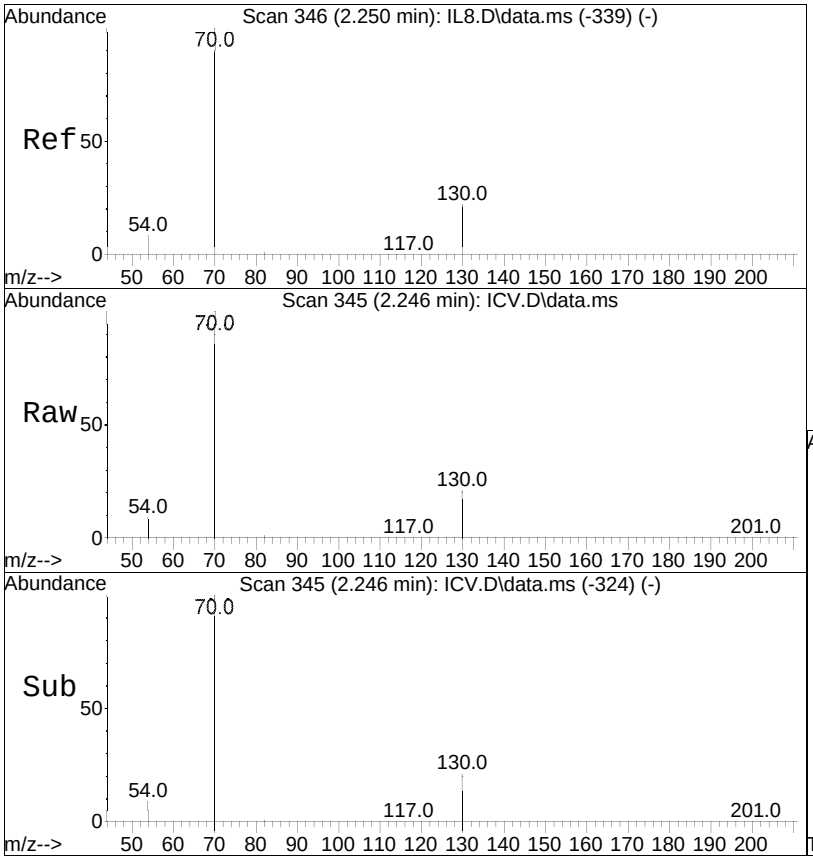


#4
Bis(2-chloroethyl)ether
Concen: 910.14 ng/ml
RT: 1.922 min Scan# 216
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion: 93 Resp: 57941

Ion	Ratio	Lower	Upper
93	100		
63	85.4	68.7	103.1

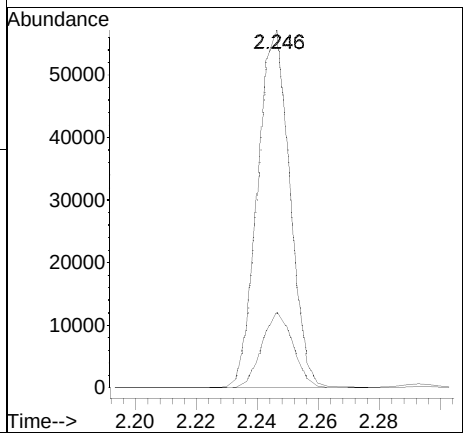


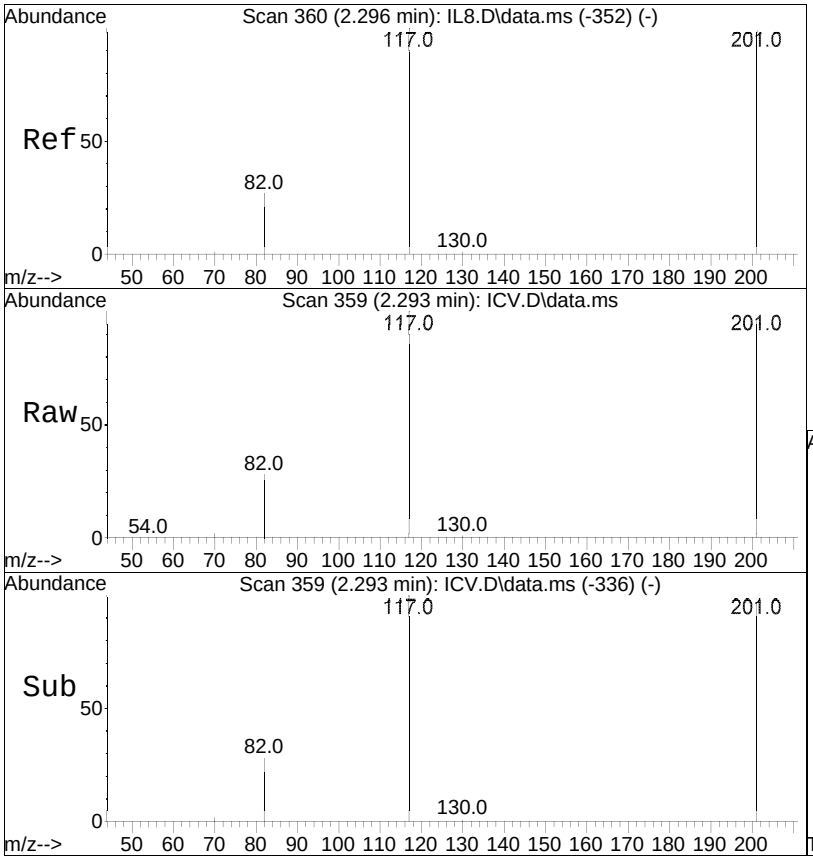


#5
n-nitrosodi-n-propylamine
Concen: 918.50 ng/ml
RT: 2.246 min Scan# 345
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion: 70 Resp: 41367

Ion	Ratio	Lower	Upper
70	100		
130	20.5	16.6	24.8

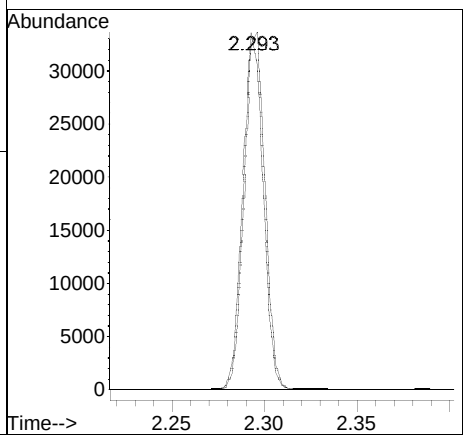


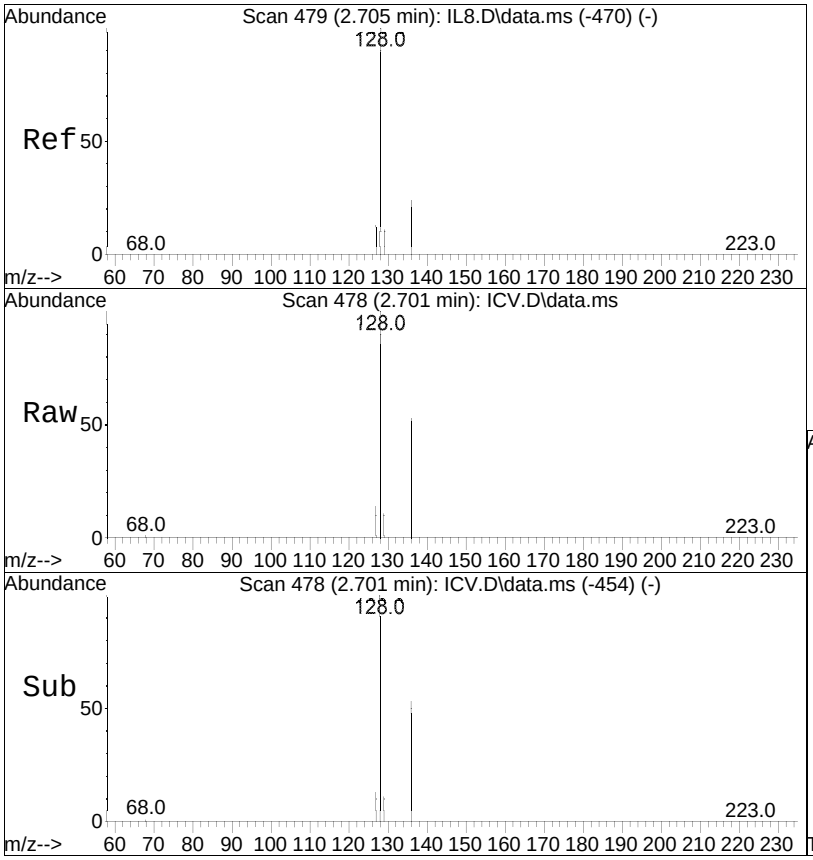


#6
Hexachloroethane
Concen: 929.24 ng/ml
RT: 2.293 min Scan# 359
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:117 Resp: 25118

Ion	Ratio	Lower	Upper
117	100		
201	102.2	82.0	123.0

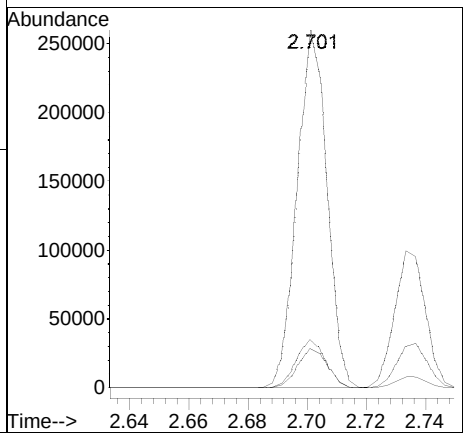


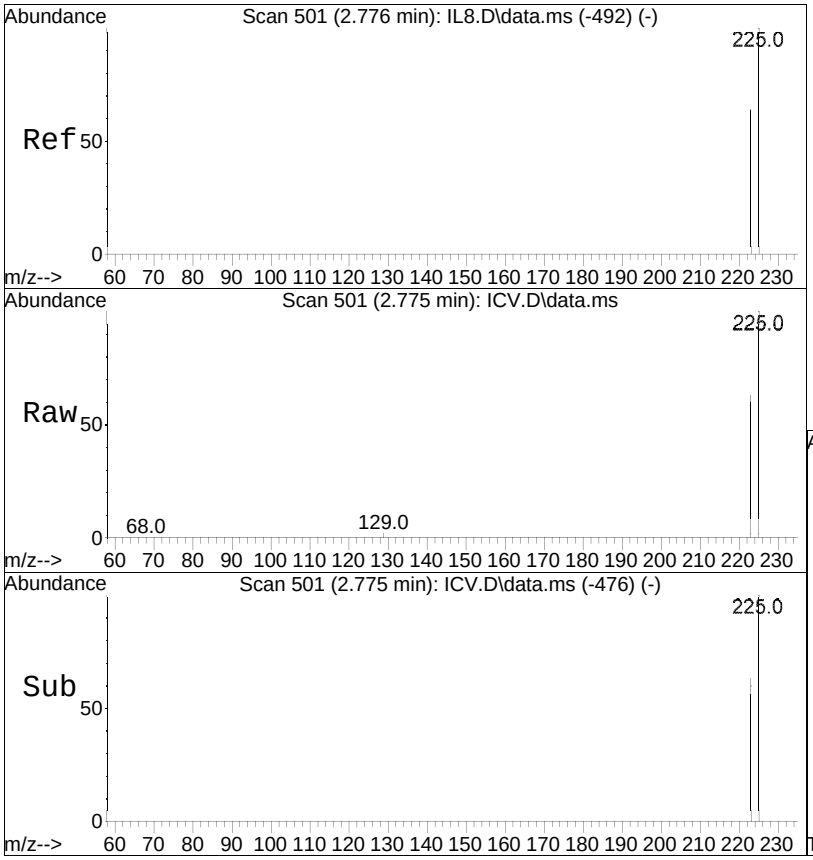


#9
Naphthalene
Concen: 900.41 ng/ml
RT: 2.701 min Scan# 478
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:128 Resp: 181157

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1

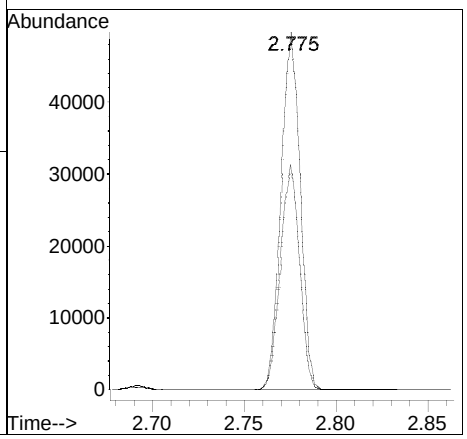


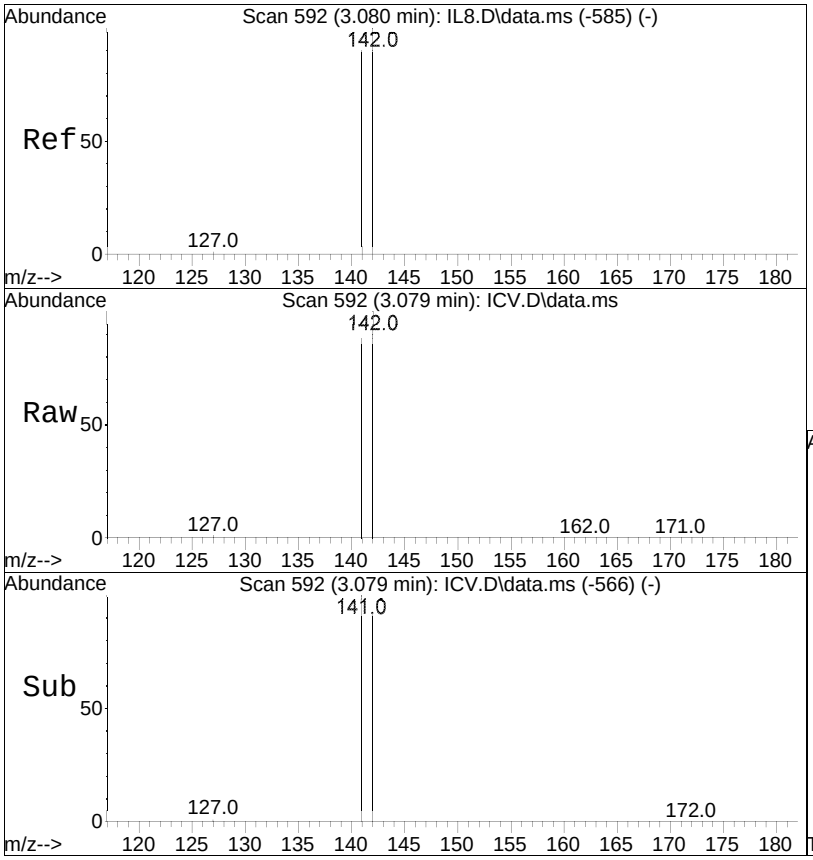


#10
Hexachlorobutadiene
Concen: 920.24 ng/ml
RT: 2.775 min Scan# 501
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:225 Resp: 35082

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.5	75.7

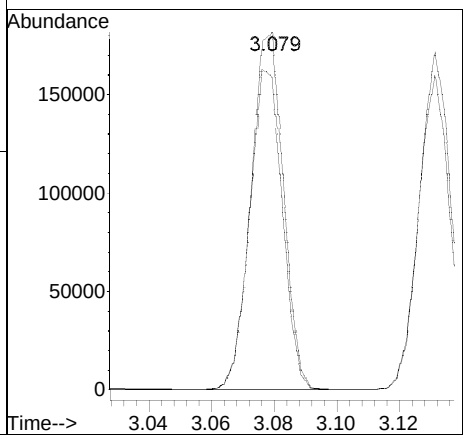


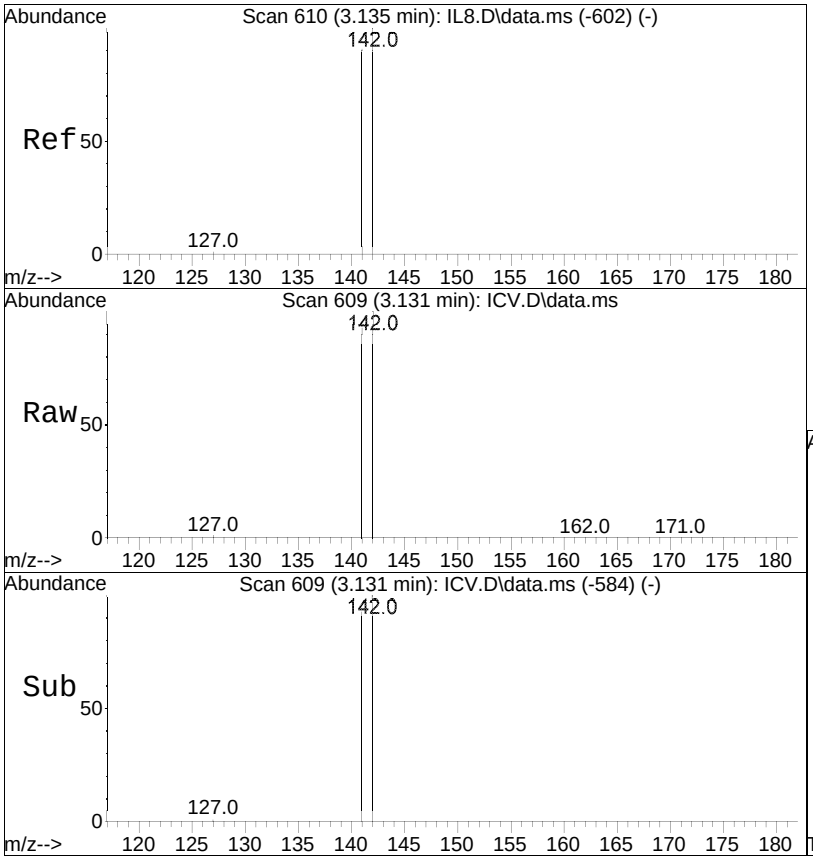


#11
2-Methylnaphthalene
Concen: 934.19 ng/ml
RT: 3.079 min Scan# 592
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:142 Resp: 130487

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.2	108.2

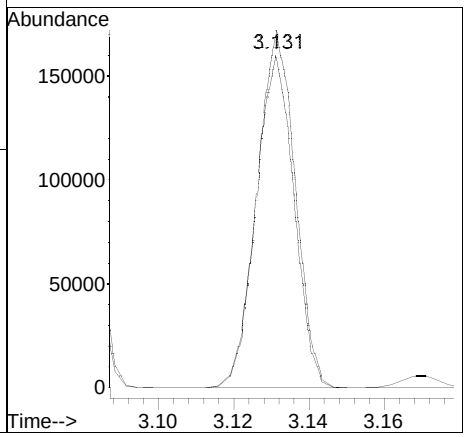


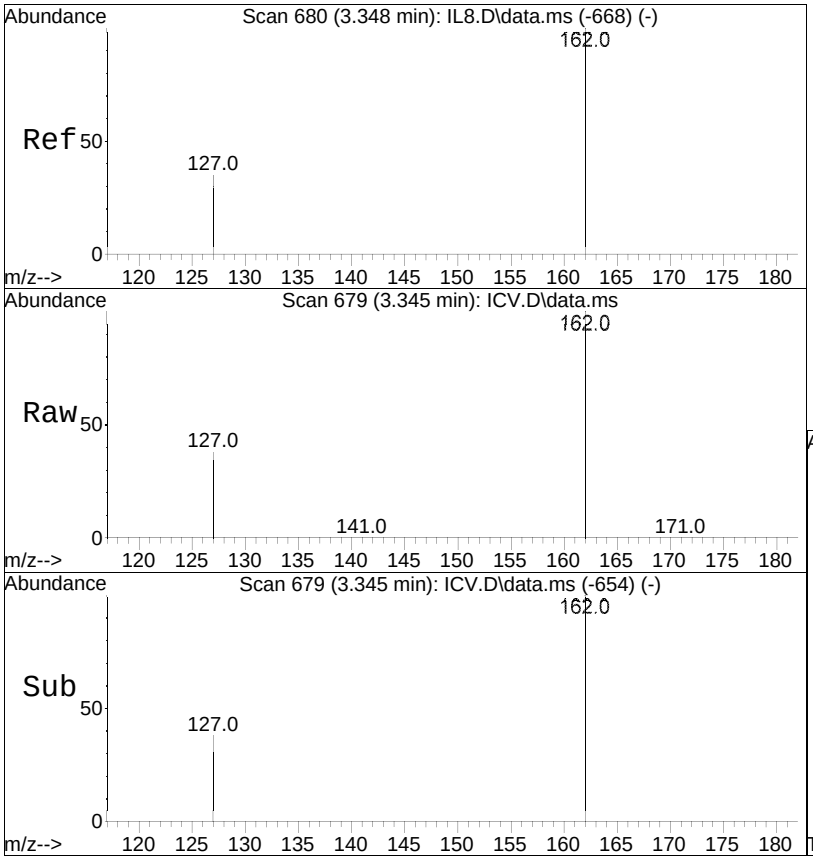


#12
1-Methylnaphthalene
Concen: 926.54 ng/ml
RT: 3.131 min Scan# 609
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:142 Resp: 119040

Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.6	112.0

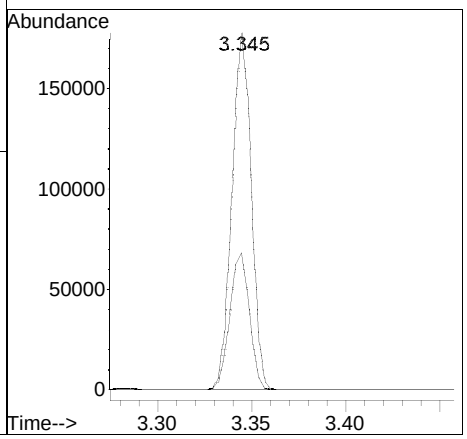


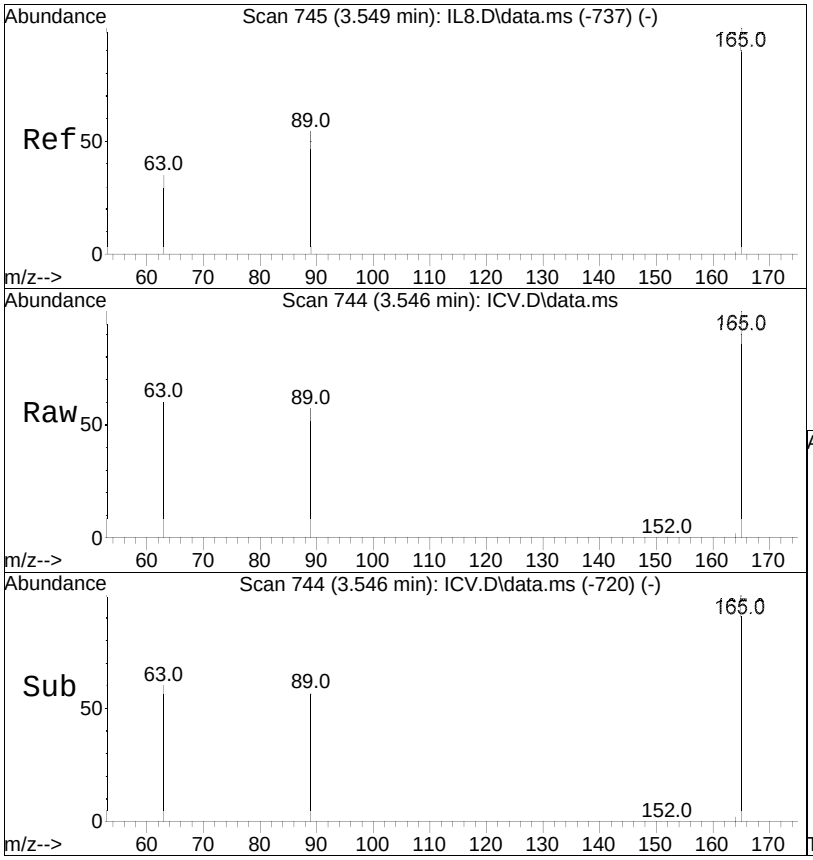


#14
2-Chloronaphthalene
Concen: 897.05 ng/ml
RT: 3.345 min Scan# 679
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:162 Resp: 124383

Ion	Ratio	Lower	Upper
162	100		
127	38.9	31.0	46.4

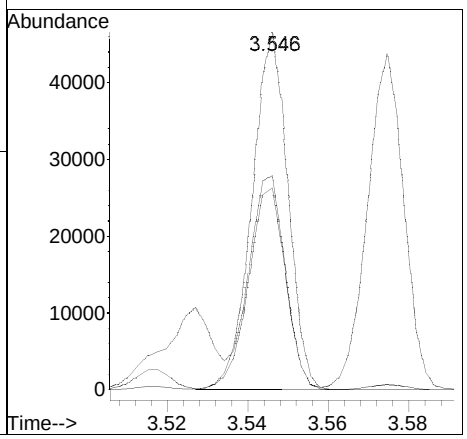


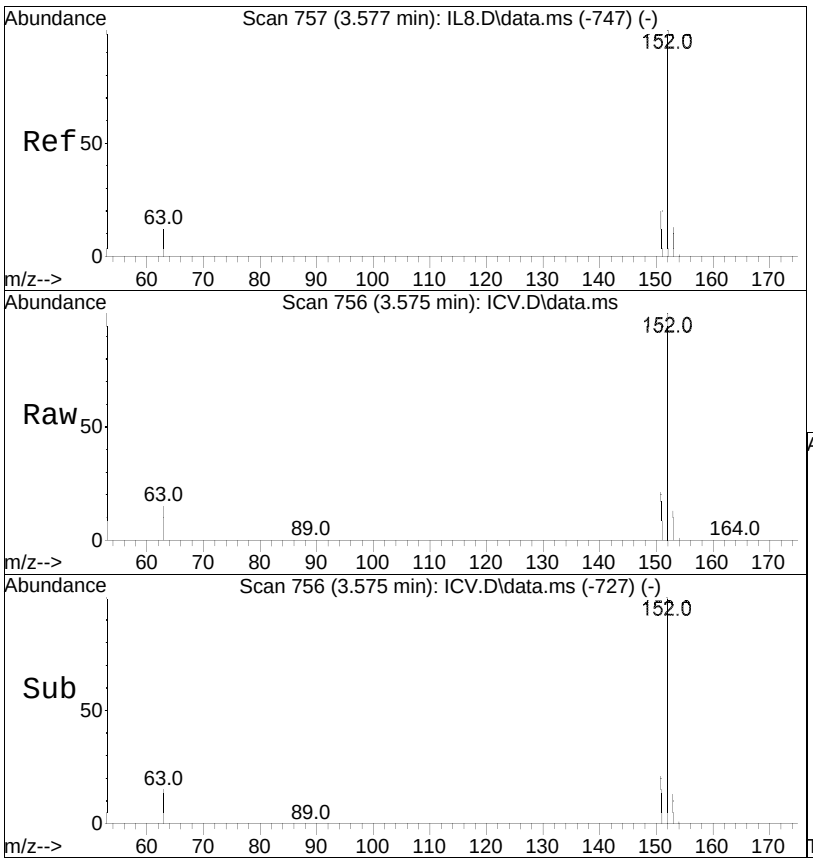


#15
2,6-Dinitrotoluene
Concen: 919.23 ng/ml
RT: 3.546 min Scan# 744
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:165 Resp: 28850

Ion	Ratio	Lower	Upper
165	100		
89	58.5	45.8	68.8
63	60.8	46.3	69.5

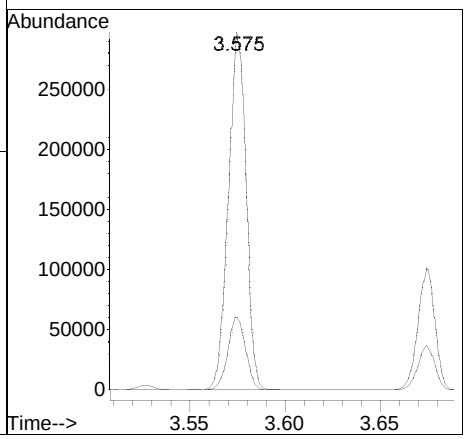


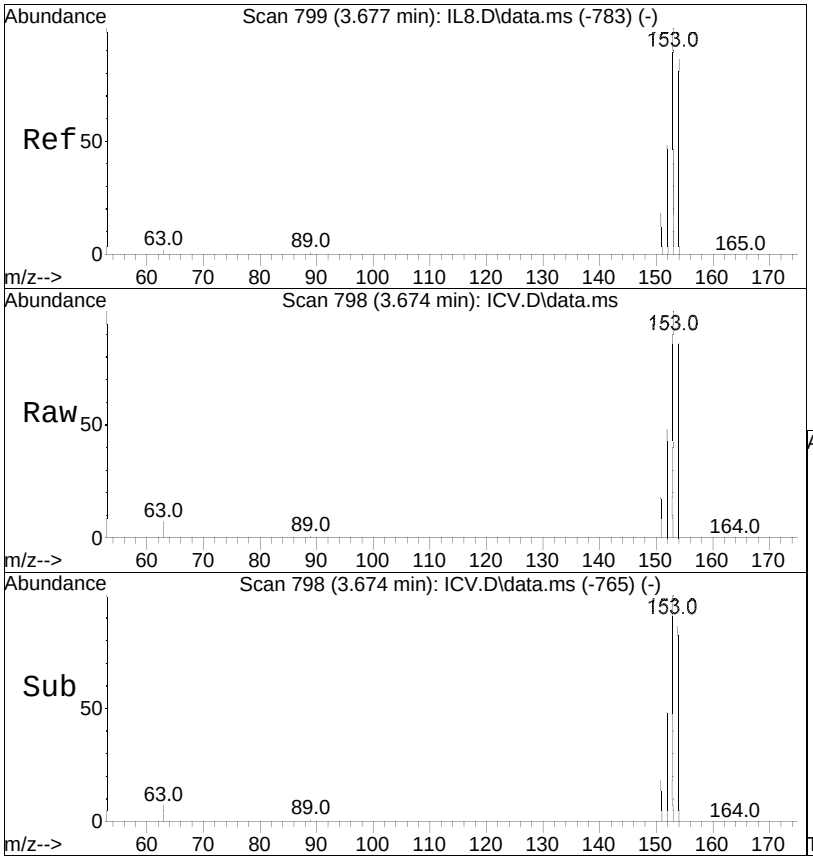


#16
Acenaphthylene
Concen: 949.91 ng/ml
RT: 3.575 min Scan# 756
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:152 Resp: 189901

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6

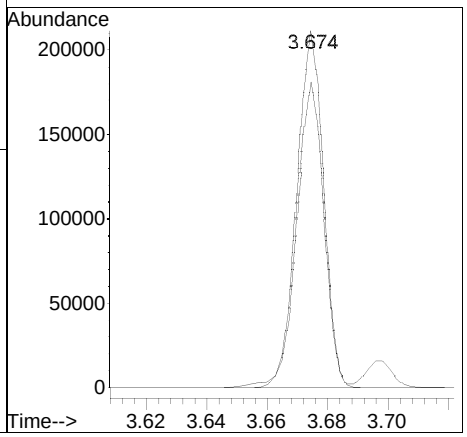


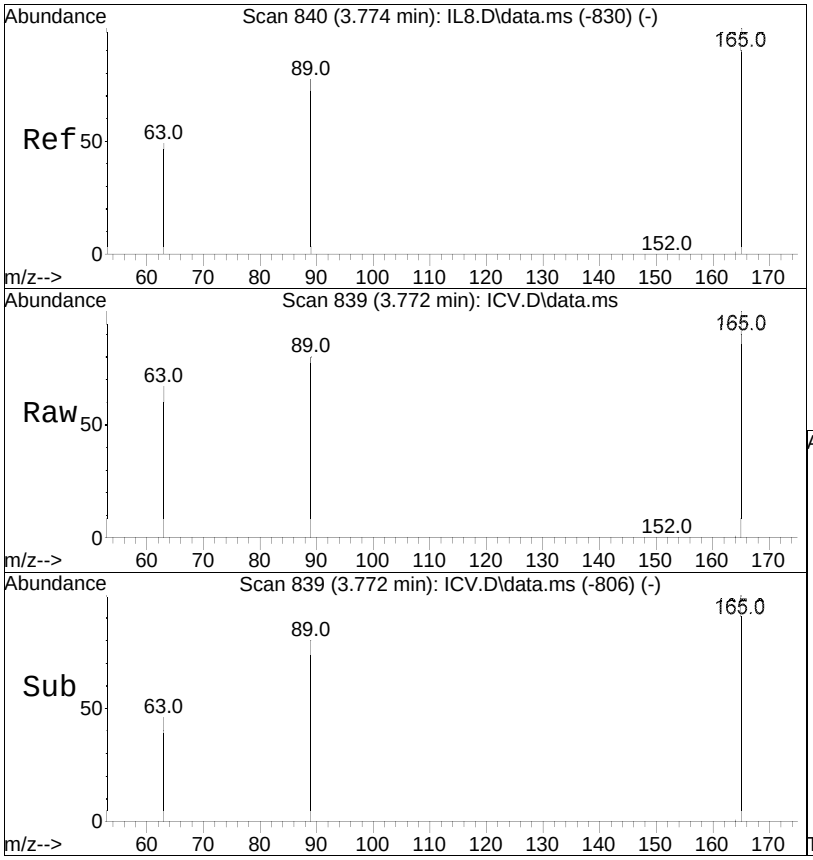


#18
Acenaphthene
Concen: 900.15 ng/ml
RT: 3.674 min Scan# 798
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:153 Resp: 129351

Ion	Ratio	Lower	Upper
153	100		
154	87.1	69.8	104.6

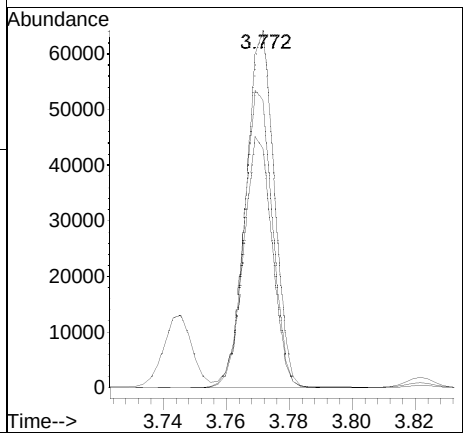


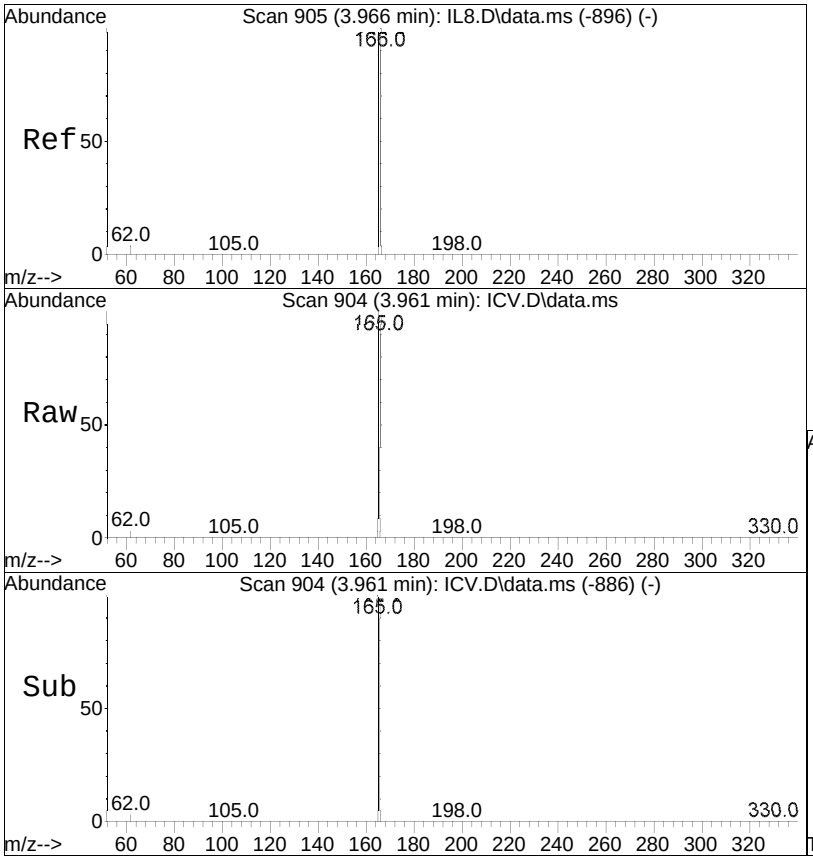


#19
2,4-Dinitrotoluene
Concen: 982.64 ng/ml
RT: 3.772 min Scan# 839
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:165 Resp: 39315

Ion	Ratio	Lower	Upper
165	100		
89	84.5	65.9	98.9
63	71.8	55.7	83.5

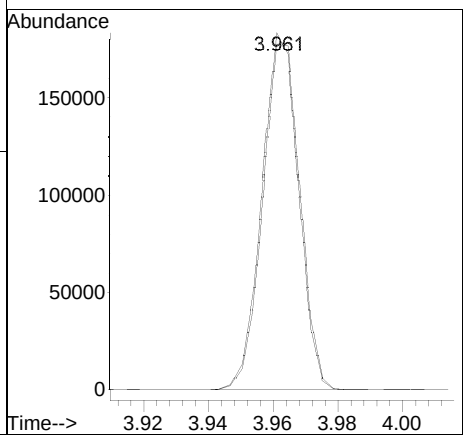


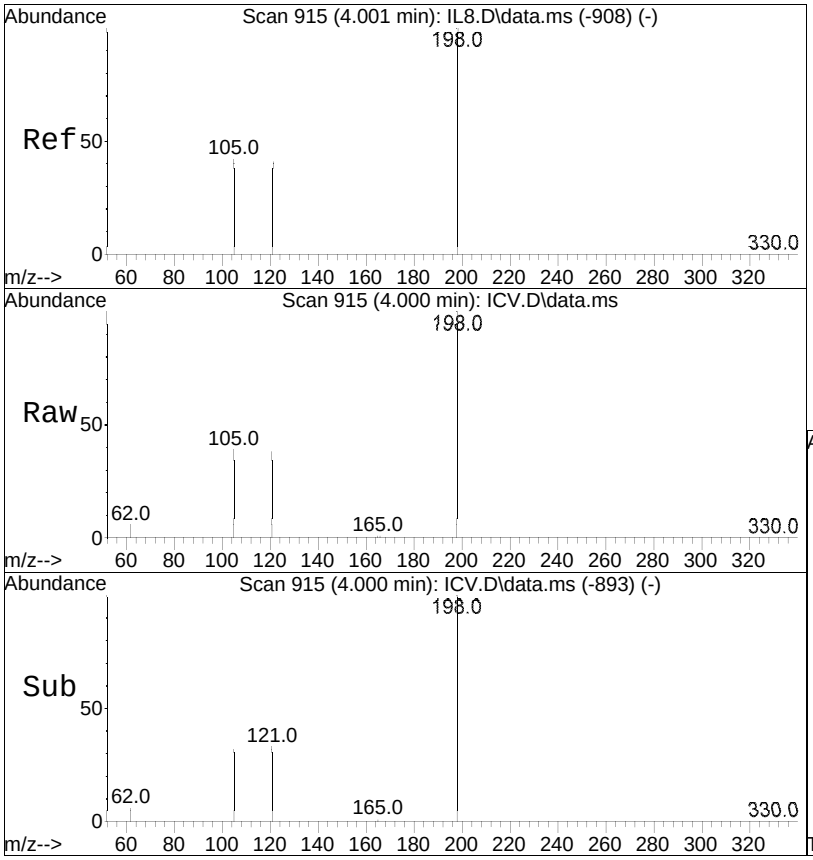


#20
Fluorene
Concen: 917.44 ng/ml
RT: 3.961 min Scan# 904
Delta R.T. -0.005 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:166 Resp: 142652

Ion	Ratio	Lower	Upper
166	100		
165	100.8	80.1	120.1

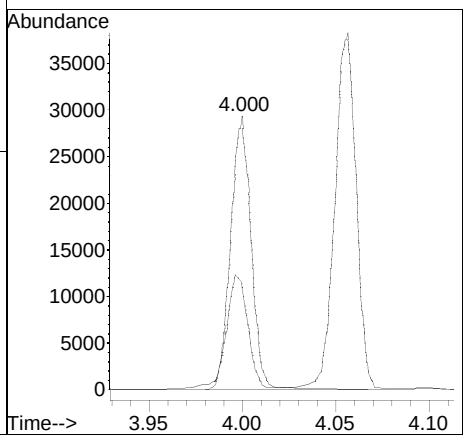


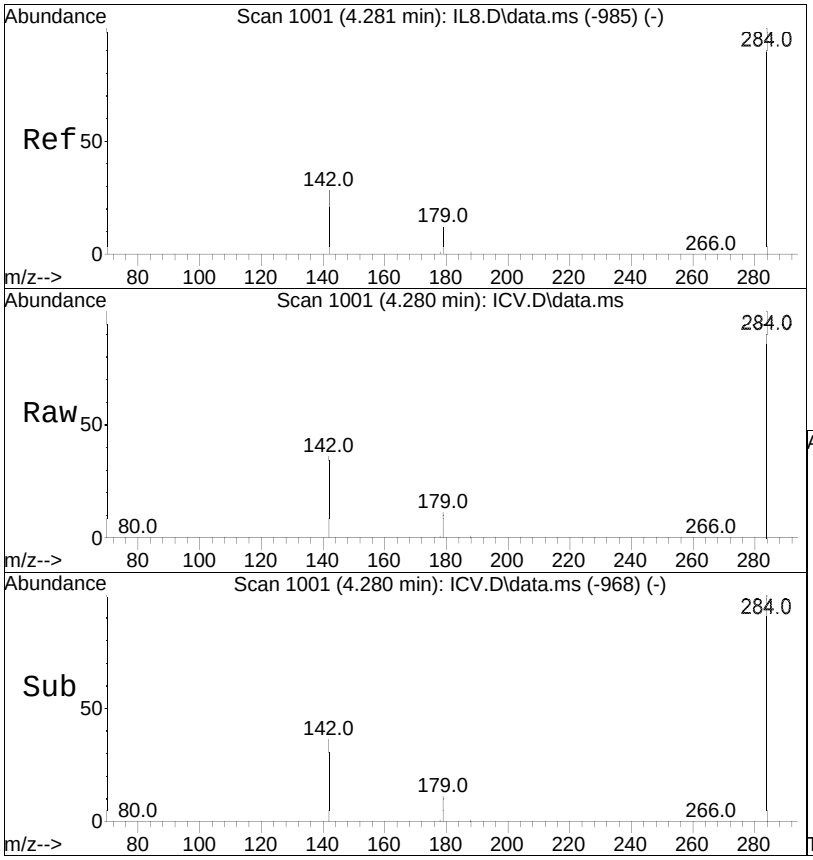


#23
4,6-Dinitro-o-cresol
Concen: 800.21 ng/ml
RT: 4.000 min Scan# 915
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:198 Resp: 22203

Ion	Ratio	Lower	Upper
198	100		
105	44.8	35.4	53.2

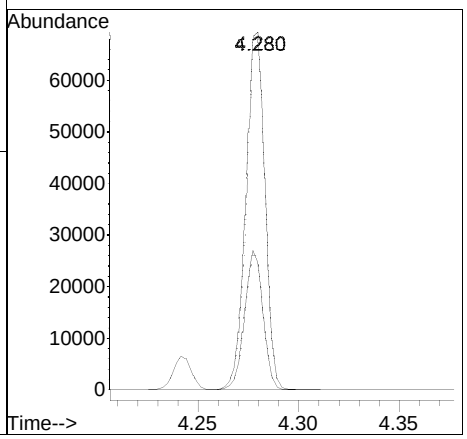


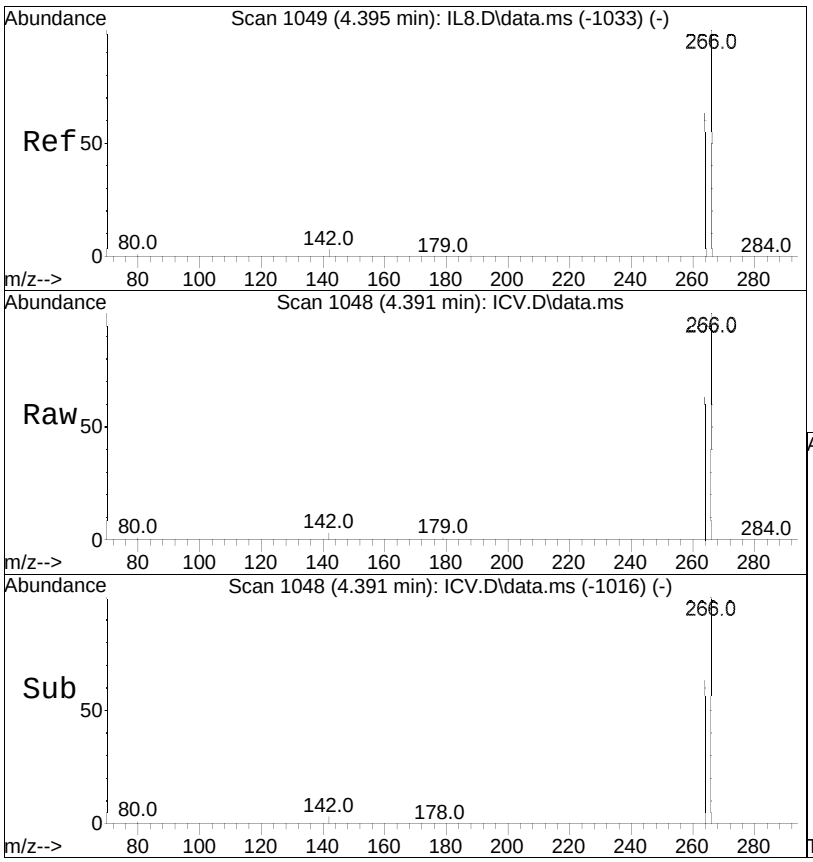


#24
Hexachlorobenzene
Concen: 896.96 ng/ml
RT: 4.280 min Scan# 1001
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:284 Resp: 44697

Ion	Ratio	Lower	Upper
284	100		
142	37.8	30.2	45.2

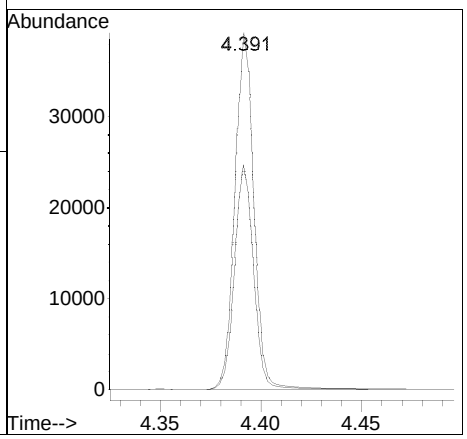


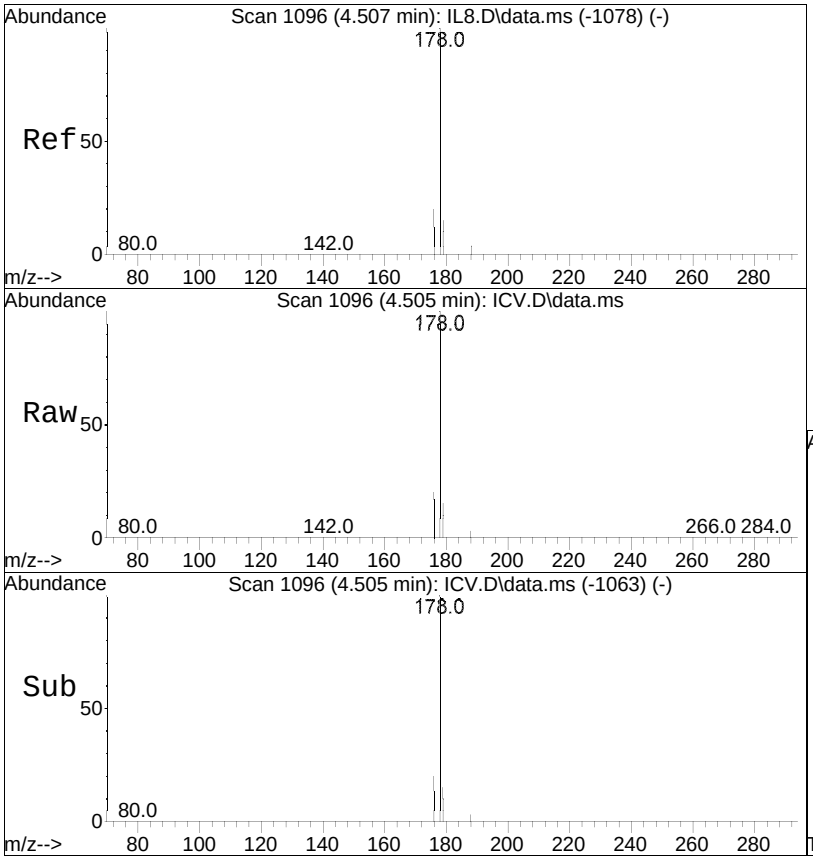


#25
Pentachlorophenol
Concen: 941.66 ng/ml
RT: 4.391 min Scan# 1048
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:266 Resp: 25675

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.3	75.5

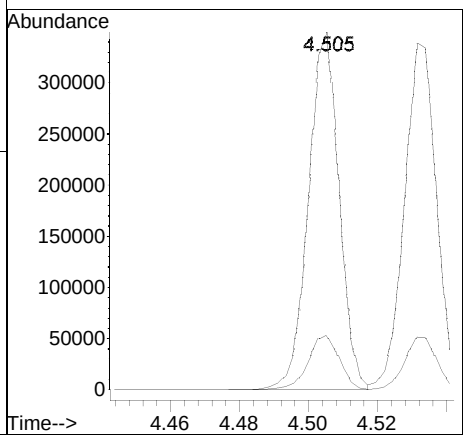


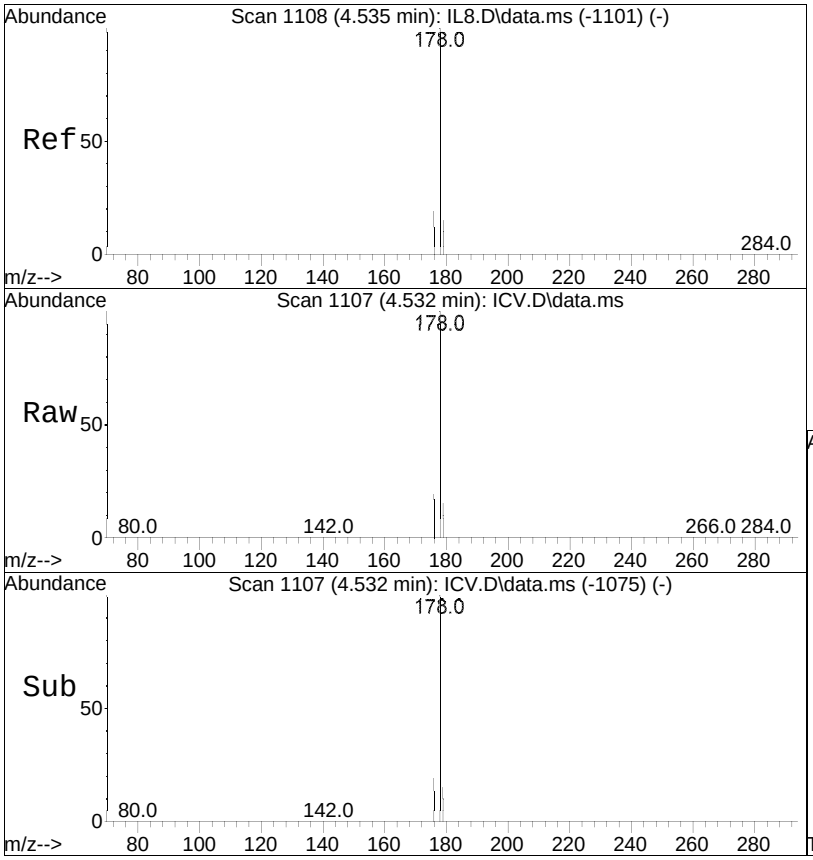


#26
Phenanthrene
Concen: 958.72 ng/ml
RT: 4.505 min Scan# 1096
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:178 Resp: 215532

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

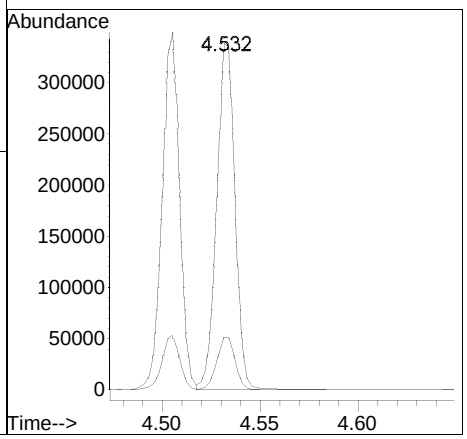


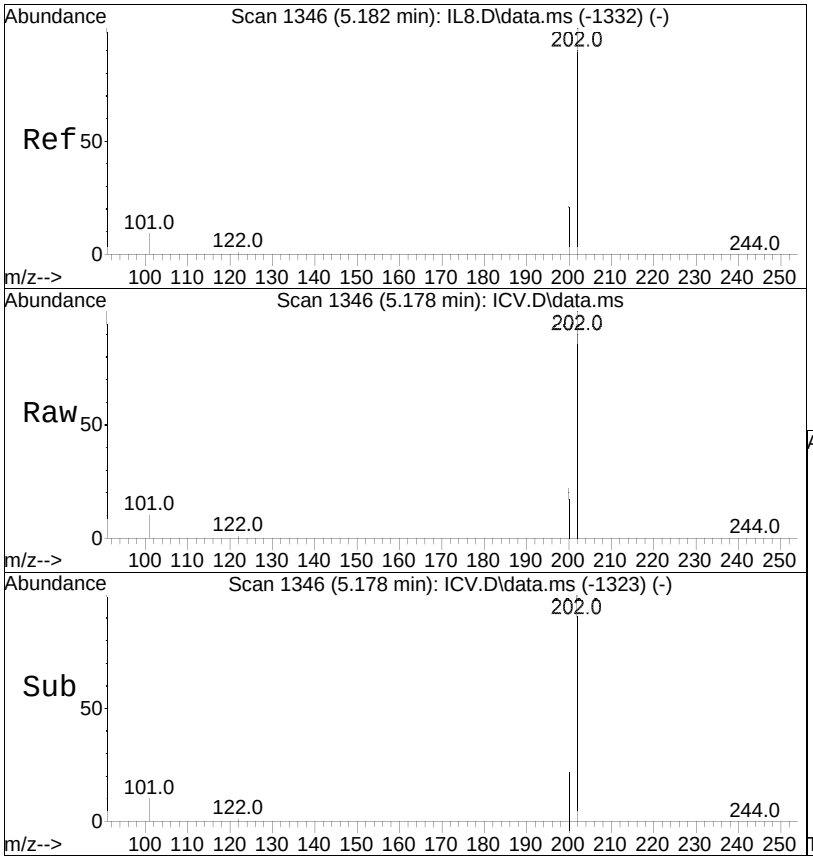


#27
Anthracene
Concen: 942.74 ng/ml
RT: 4.532 min Scan# 1107
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:178 Resp: 219278

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

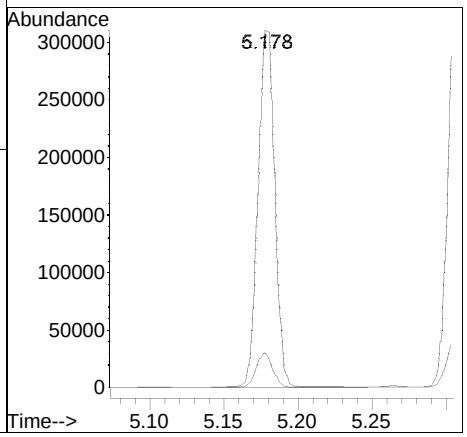


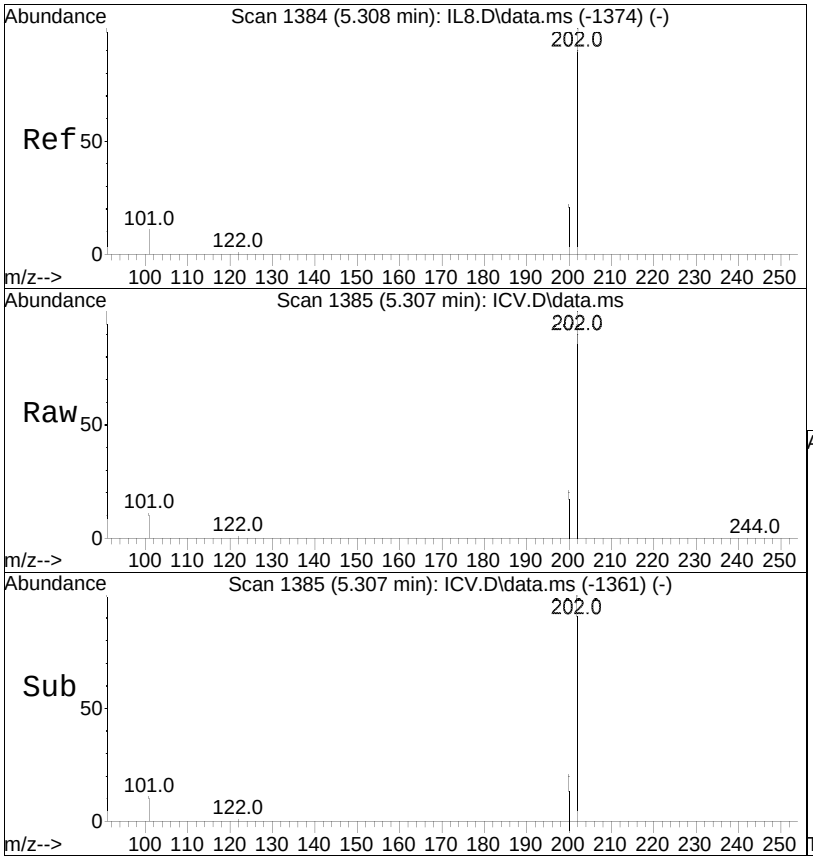


#28
Fluoranthene
Concen: 947.13 ng/ml
RT: 5.178 min Scan# 1346
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:202 Resp: 245243

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.8	11.6

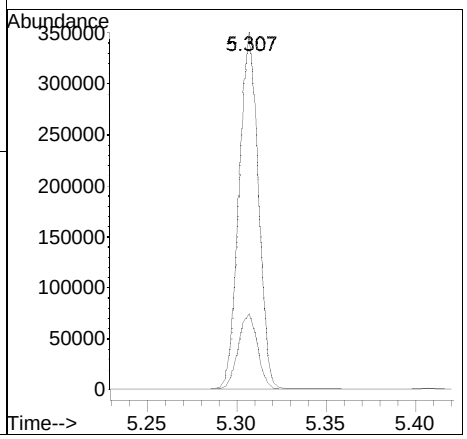


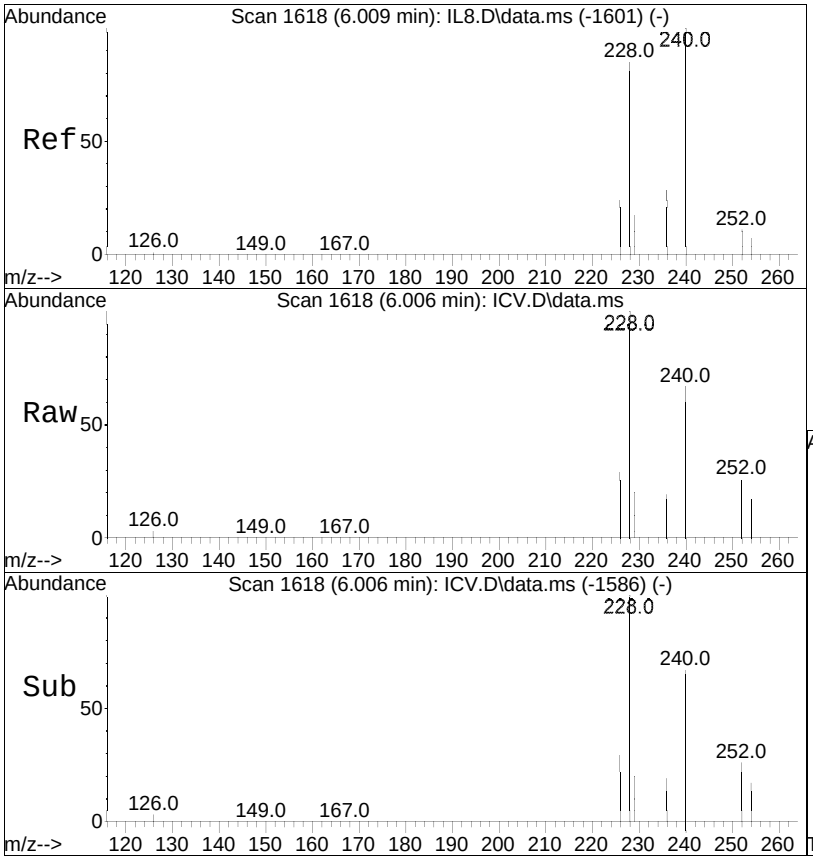


#29
Pyrene
Concen: 973.28 ng/ml
RT: 5.307 min Scan# 1385
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:202 Resp: 259868

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.5	26.3

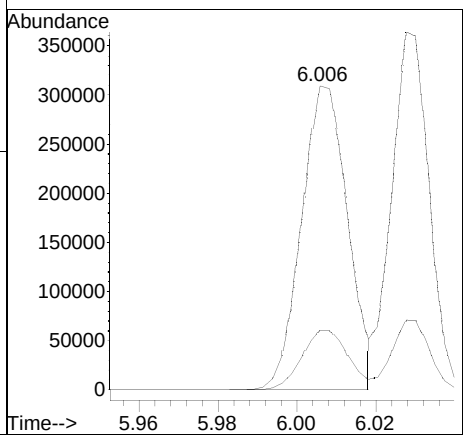


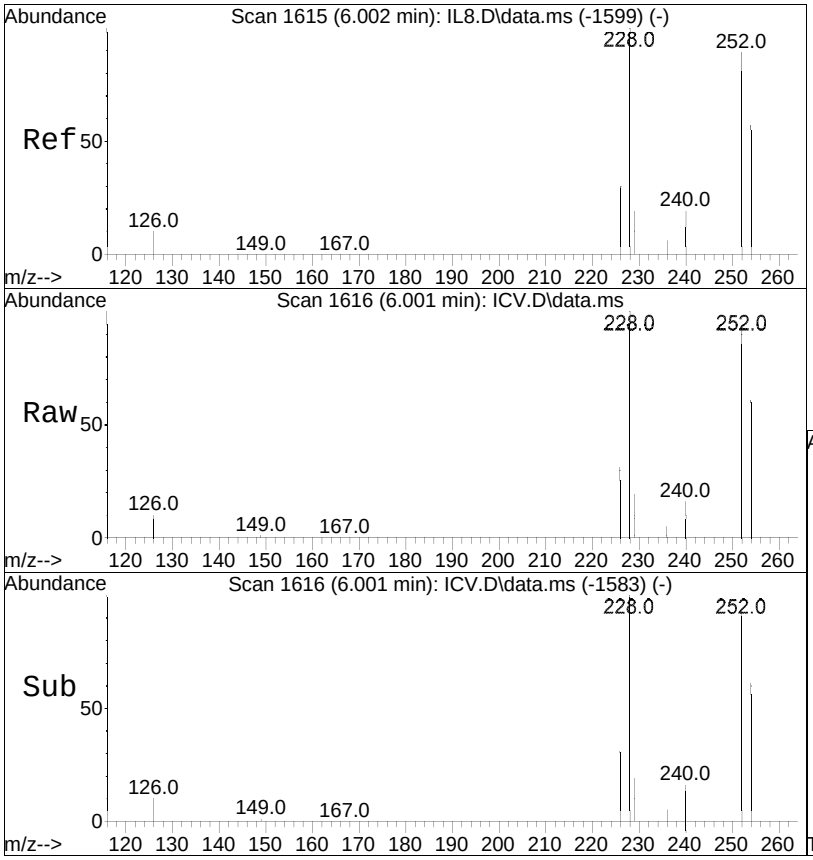


#32
Benzo[a]anthracene
Concen: 931.40 ng/ml
RT: 6.006 min Scan# 1618
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:228 Resp: 251011

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.2	24.4

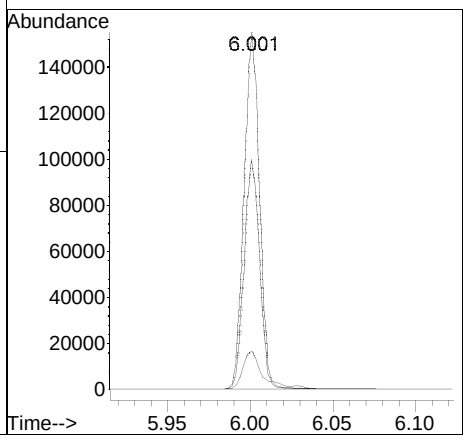


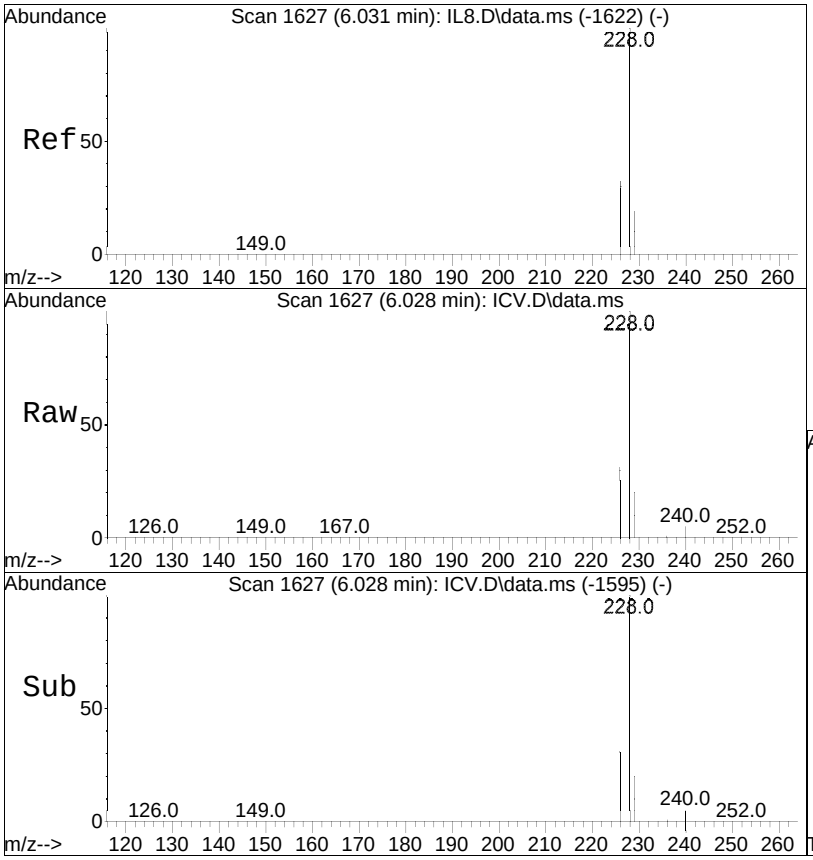


#33
3,3'-Dichlorobenzidine
Concen: 1045.05 ng/ml
RT: 6.001 min Scan# 1616
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:252 Resp: 99042

Ion	Ratio	Lower	Upper
252	100		
126	13.3	10.9	16.3
254	64.4	51.4	77.2

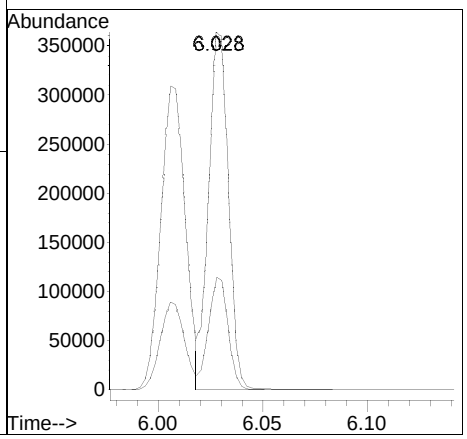


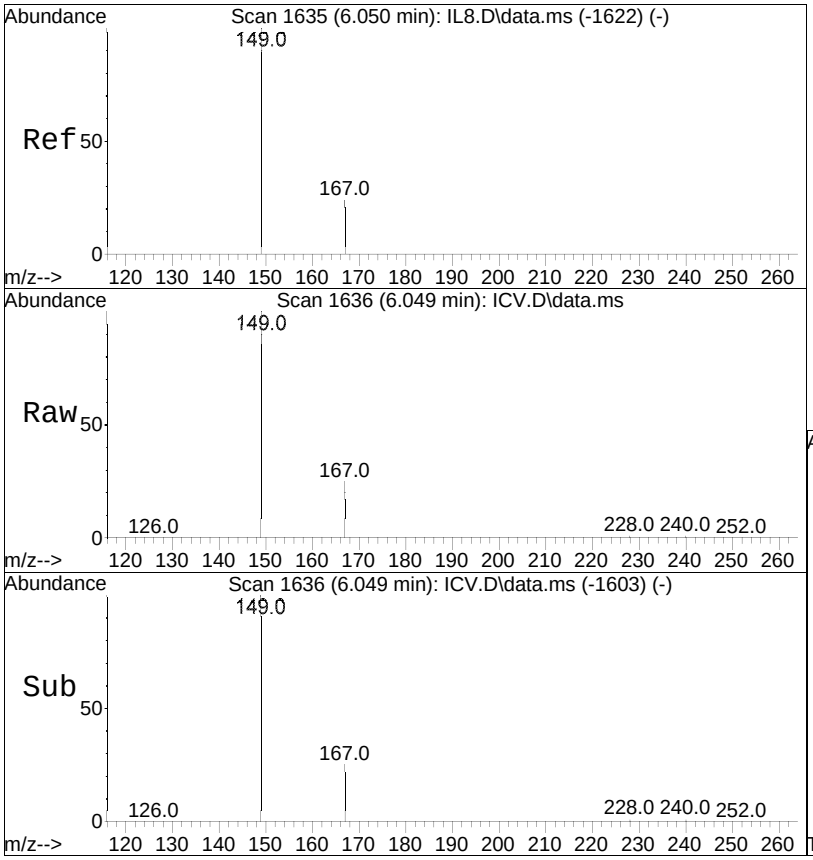


#34
Chrysene
Concen: 1032.57 ng/ml
RT: 6.028 min Scan# 1627
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:228 Resp: 239672

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3

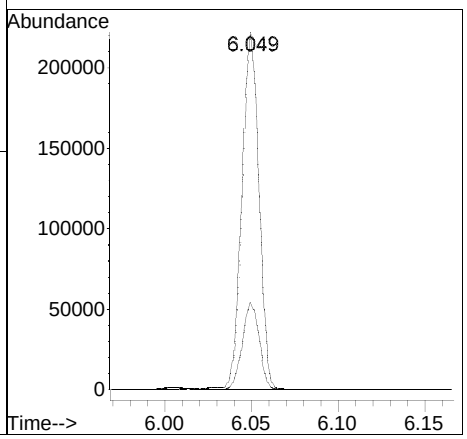


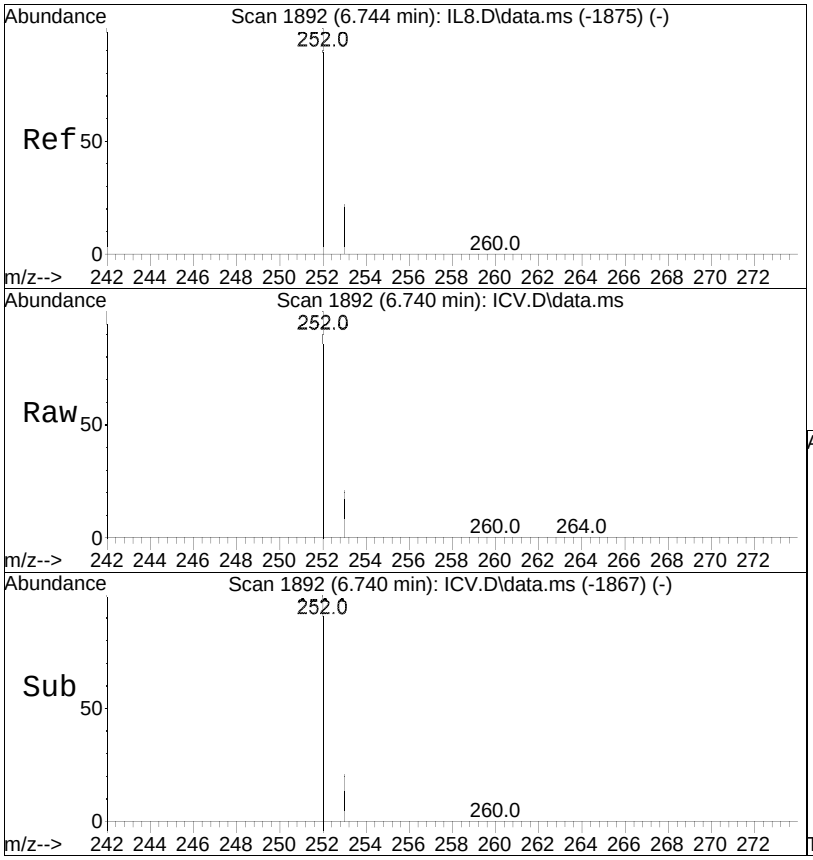


#35
Bis(2-ethylhexyl)phthalate
Concen: 957.74 ng/ml
RT: 6.049 min Scan# 1636
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:149 Resp: 148592

Ion	Ratio	Lower	Upper
149	100		
167	24.4	19.6	29.4

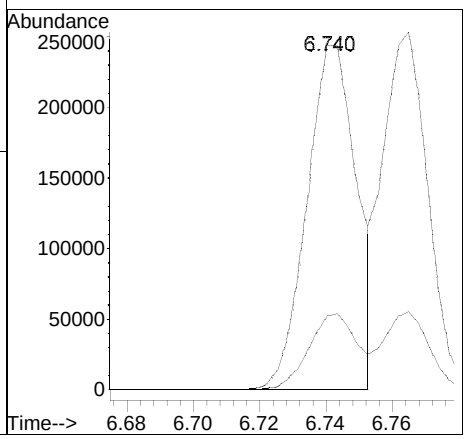


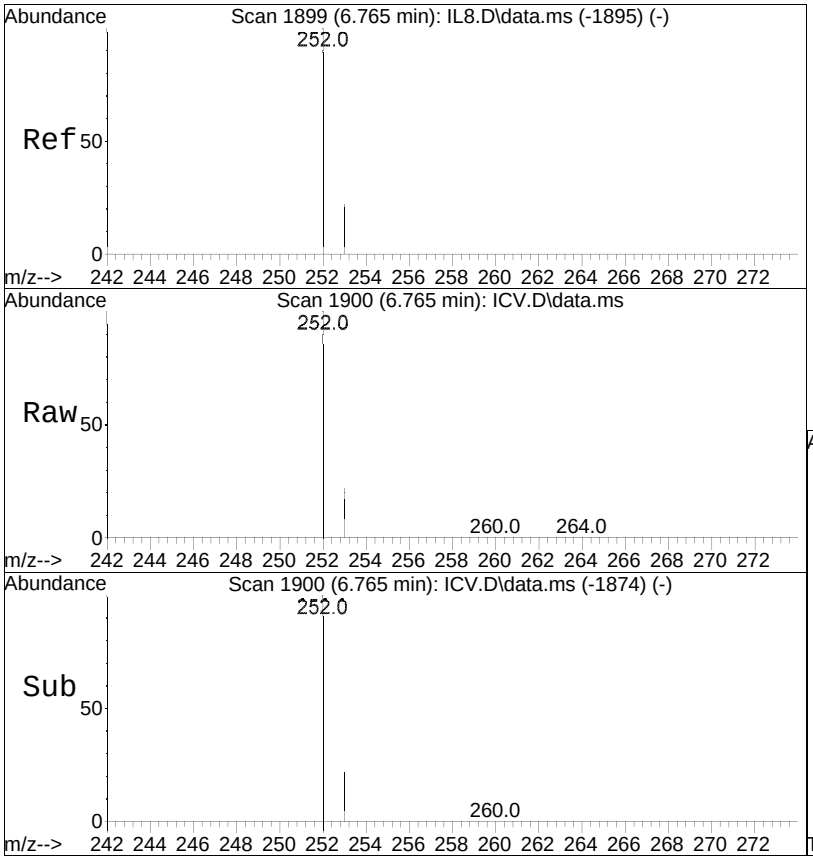


#37
Benzo[b]fluoranthene
Concen: 926.83 ng/ml
RT: 6.740 min Scan# 1892
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:252 Resp: 255448

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0

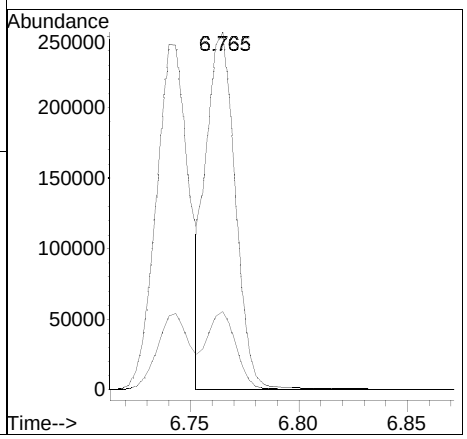


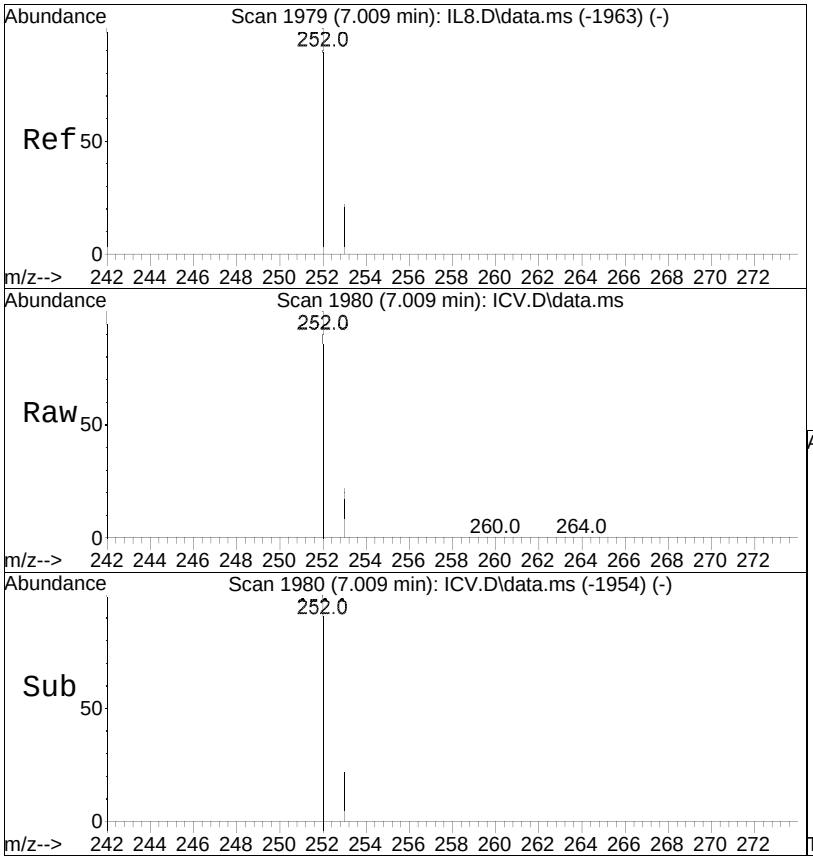


#38
Benzo[k]fluoranthene
Concen: 955.33 ng/ml
RT: 6.765 min Scan# 1900
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:252 Resp: 236705

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4

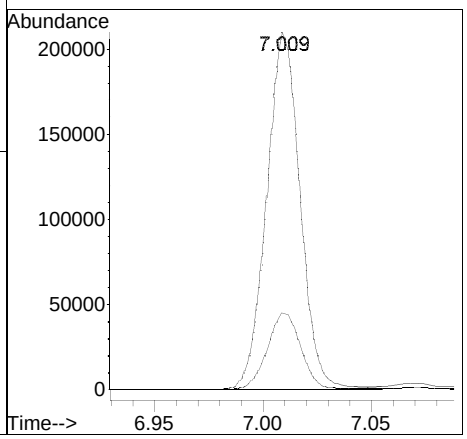


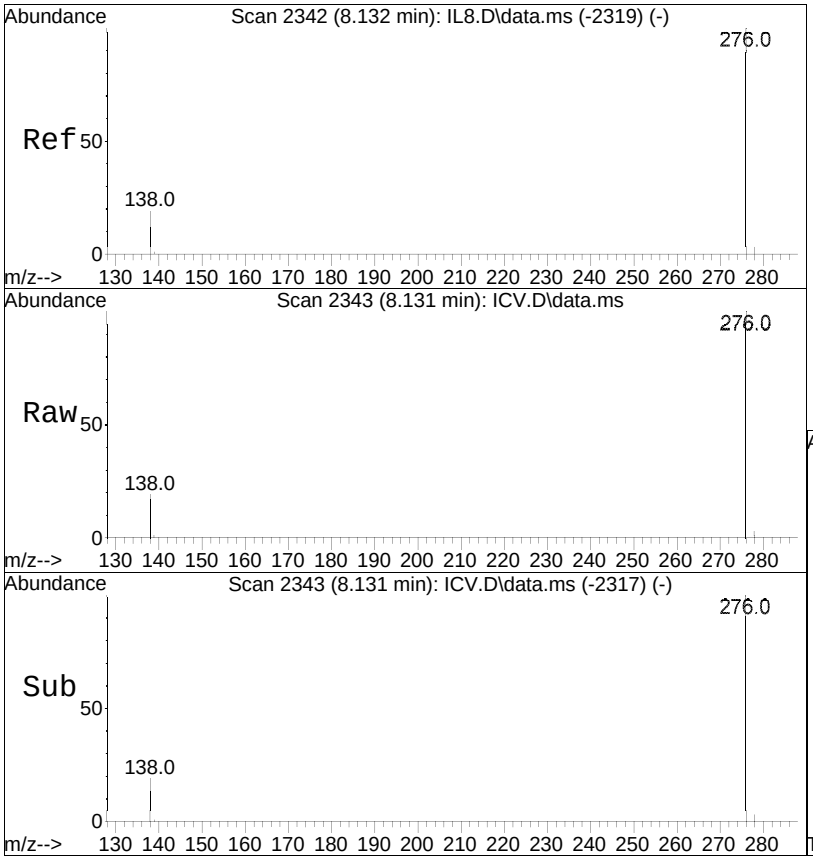


#39
Benzo[a]pyrene
Concen: 987.52 ng/ml
RT: 7.009 min Scan# 1980
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:252 Resp: 222935

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2

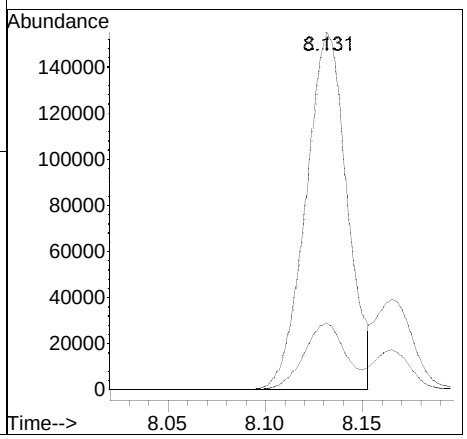


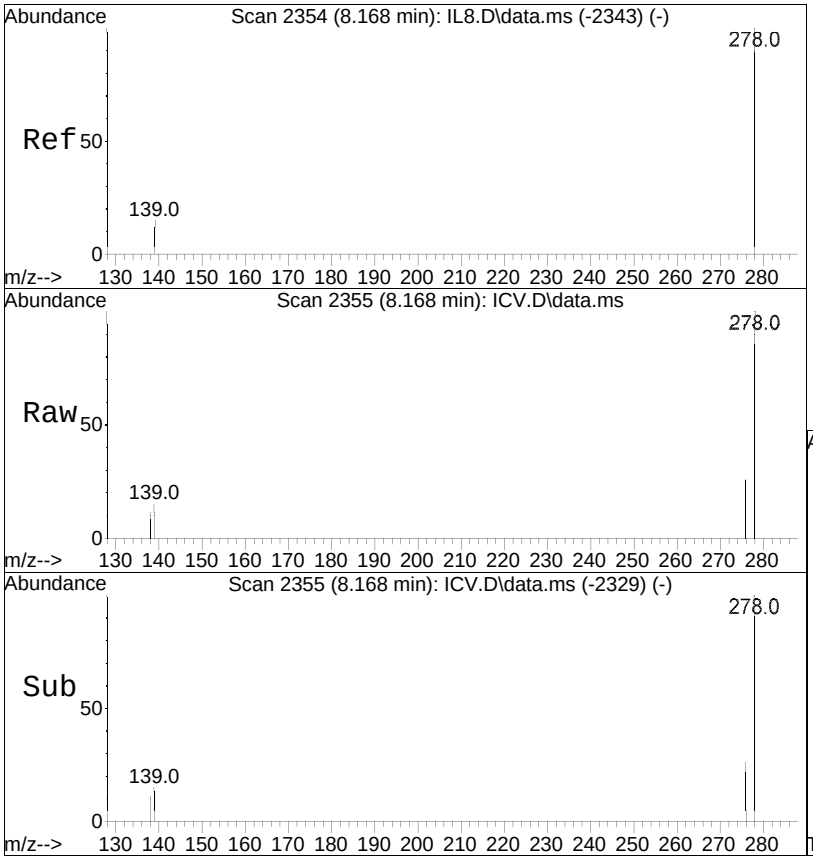


#40
Indeno[1,2,3-cd]pyrene
Concen: 980.82 ng/ml
RT: 8.131 min Scan# 2343
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:276 Resp: 226414

Ion	Ratio	Lower	Upper
276	100		
138	19.1	15.4	23.0

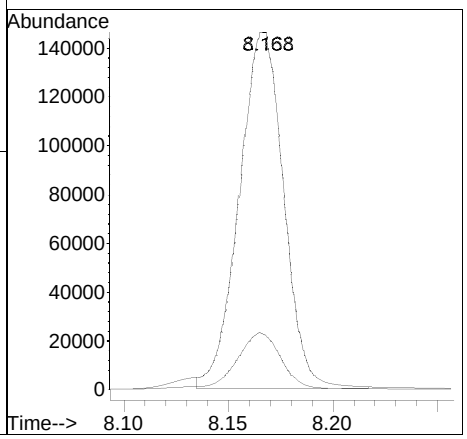


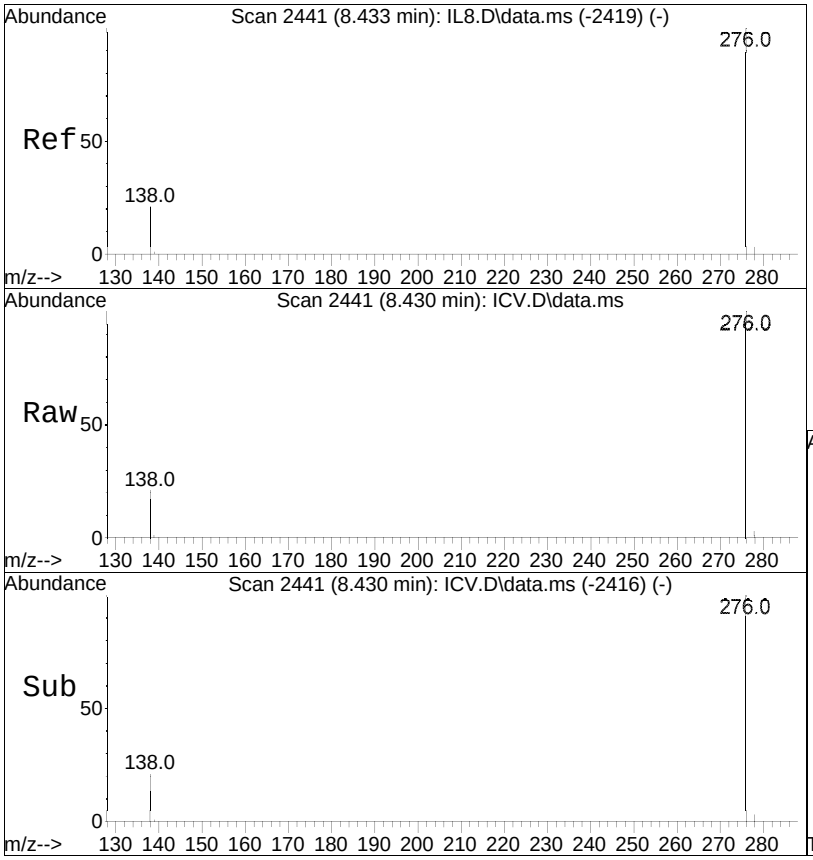


#41
Dibenzo[a,h]anthracene
Concen: 987.98 ng/ml M6
RT: 8.168 min Scan# 2355
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:278 Resp: 214255

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.0	19.6

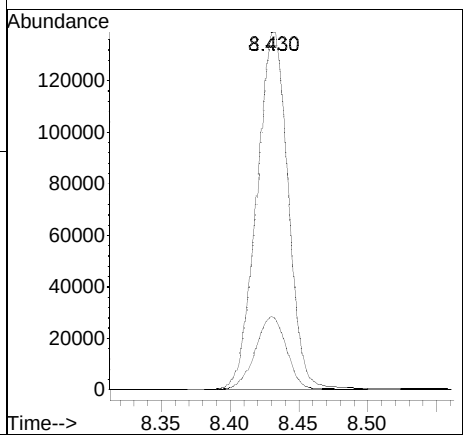




#42
Benzo[g,h,i]perylene
Concen: 971.22 ng/ml
RT: 8.430 min Scan# 2441
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 05 Nov 2024 10:13 am

Tgt Ion:276 Resp: 217730

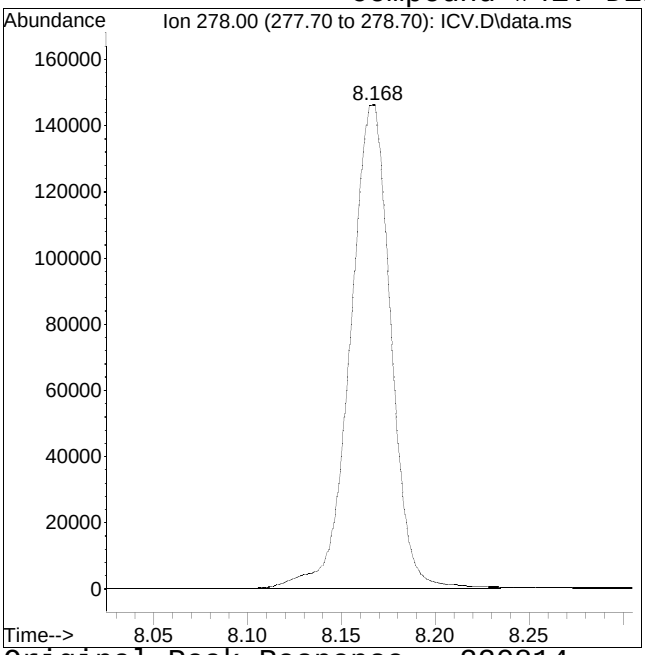
Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.6	25.0



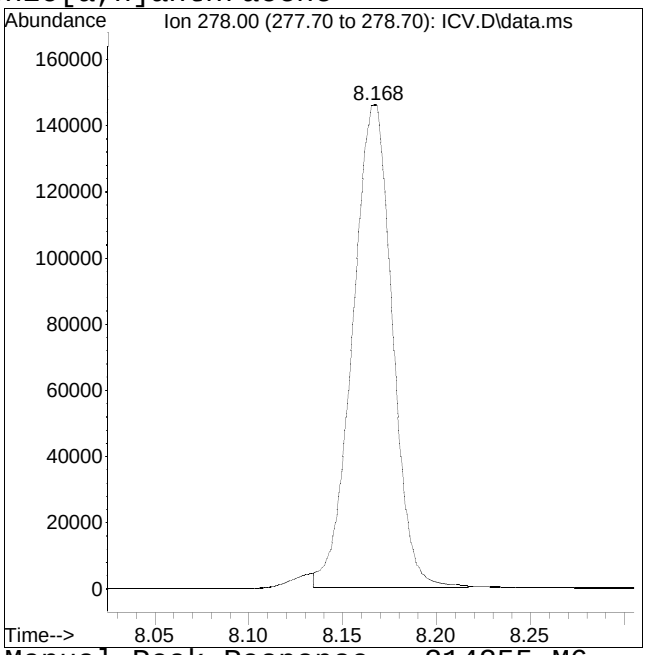
Manual Integration Report

Data Path : I:\8270SIM\sv120\2024\2411QMethod : SIM-RVT_241105_sv120.M
Data File : ICV.D Operator : SV120:mrg
Date Inj'd : 11/5/2024 10:13 am Instrument : SV120
Sample : CQICV,32,,1000.0ng/mL lot Quant Date : 12/2/2024 11:36 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 220814



Manual Peak Response = 214255 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV120

Method Path : I:\8270SIM\sv120\241105RVTical\
Method File : SIM-RVT_241105_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Nov 05 16:50:36 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
4 T	Bis(2-chloroethyl)ether	Q	ng/ml	1000.0	962.445	-3.8	10.00	6.181	-38.2
23 T	4,6-Dinitro-o-cresol	L	ng/ml	1000.0	936.853	-6.3	40.00	44.211	10.5
25 T	Pentachlorophenol	Q	ng/ml	1000.0	978.234	-2.2	10.00	13.695	37.0
32 T	Benzo[a]anthracene	L	ng/ml	1000.0	981.668	-1.8	1.00	0.947	-5.3

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
4 T	Bis(2-chloroethyl)ether	Quadratic	0.994894	-0.125863	1.25758	0.00100738
23 T	4,6-Dinitro-o-cresol	Linear	0.998300	0.000000	0.120923	-0.000655188
25 T	Pentachlorophenol	Quadratic	0.996532	0.018734	0.112024	-0.000194831
32 T	Benzo[a]anthracene	Linear	0.999284	0.000000	1.21688	0.0029462

Response Factor Report SV125

Method Path : I:\8270SIM\SV125\241105nRVTical\
Method File : SIM-RVT_241105n_sv125.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Nov 06 17:36:22 2024
Response Via : Initial Calibration

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

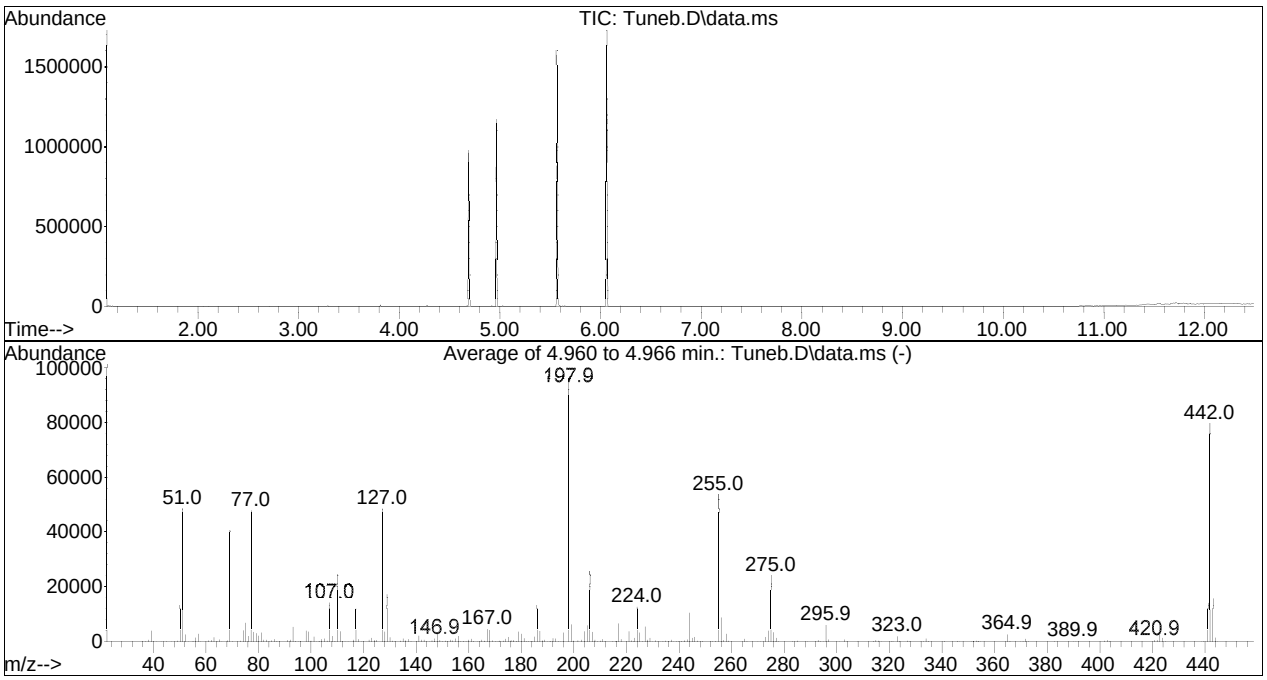
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol		1.171	1.079	1.033	1.039	1.272	1.059	1.047	1.013	0.960	1.075	8.64
3)	s	Phenol-d6		1.708	1.432	1.229	1.242	1.546	1.278	1.301	1.272	1.234	1.360	12.35
4)	T	bis(2-Chloroethyl)ether				1.155	1.133	1.826	1.149	1.054	1.084	1.022	*Q	0.9951
5)	T	n-Nitrosodi-n-propylamine			0.761	0.701	0.714	0.902	0.757	0.802	0.793	0.767	0.775	8.00
6)	t	Hexachloroethane			0.504	0.517	0.486	0.600	0.488	0.488	0.481	0.458	0.503	8.54
7)	s	Nitrobenzene-d5		1.100	1.092	1.096	1.092	1.402	1.156	1.192	1.164	1.128	1.158	8.49
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene		1.272	1.069	1.068	1.040	1.284	1.023	1.035	0.980	0.895	1.074	11.86
10)	t	Hexachlorobutadiene			0.226	0.214	0.216	0.266	0.214	0.215	0.210	0.197	0.220	9.35
11)	t	2-Methylnaphthalene	0.777	0.747	0.717	0.691	0.705	0.871	0.697	0.715	0.683	0.638	0.724	8.78
12)	t	1-Methylnaphthalene	0.741	0.717	0.654	0.656	0.657	0.804	0.648	0.661	0.633	0.595	0.677	8.94
13)	s	2-Fluorobiphenyl		0.939	0.900	0.890	0.883	1.091	0.857	0.869	0.819	0.760	0.890	10.24
14)	t	2-Chloronaphthalene		0.800	0.758	0.726	0.737	0.923	0.734	0.753	0.717	0.677	0.758	9.23
15)	t	2,6-Dinitrotoluene					0.138	0.183	0.167	0.184	0.184	0.183	0.173	10.65
16)	t	Acenaphthylene	1.122	1.085	1.013	0.982	1.001	1.283	1.076	1.124	1.078	1.001	1.076	8.28
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene	1.423	1.406	1.284	1.233	1.244	1.541	1.237	1.229	1.200	1.096	1.289	10.07
19)	t	2,4-Dinitrotoluene					0.270	0.395	0.381	0.401	0.409	0.402	0.376	14.12
20)	t	Fluorene	1.601	1.513	1.385	1.382	1.343	1.696	1.397	1.381	1.322	1.214	1.423	9.94
21)	s	2,4,6-Tribromophenol		0.191	0.167	0.168	0.184	0.262	0.238	0.246	0.251	0.246	0.217	17.86
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol					0.064	0.101	0.106	0.123	0.128	0.126	*L	0.9990
24)	t	Hexachlorobenzene		0.289	0.252	0.245	0.251	0.311	0.250	0.250	0.240	0.221	0.256	10.48
25)	t	Pentachlorophenol				0.037	0.057	0.077	0.103	0.134	0.154		*Q	0.9973
26)	t	Phenanthrene	1.231	1.248	1.107	1.110	1.054	1.333	1.058	1.055	0.989	0.869	1.105	12.24
27)	t	Anthracene	1.193	1.129	1.055	0.962	1.005	1.277	1.056	1.073	1.009	0.884	1.064	10.67
28)	t	Fluoranthene	1.489	1.364	1.244	1.164	1.189	1.535	1.258	1.253	1.171	1.029	1.270	12.14
29)	t	Pyrene	1.686	1.439	1.291	1.221	1.231	1.586	1.325	1.322	1.228	1.090	1.342	13.46
30)	s	4-Terphenyl-d14	1.150	1.028	0.897	0.846	0.864	1.101	0.888	0.881	0.819	0.749	0.922	13.91
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene	1.366	0.746	0.380	0.235	0.144	0.157	0.127	0.127	0.125	0.116	*L	0.9982
33)	t	3,3'-Dichlorobenzidine					0.348	0.479	0.439	0.485	0.480	0.460	0.448	11.61
34)	t	Chrysene	0.886	0.993	1.006	1.148	1.182	1.489	1.241	1.215	1.144	1.018	1.132	14.96
35)	T	bis(2-Ethylhexyl)phthalate					0.487	0.643	0.625	0.688	0.740	0.704	0.648	13.76
36)	i	Perylene-d12	ISTD											
37)	t	Benzo[b]fluora...	1.148	1.122	1.089	0.975	1.018	1.341	1.160	1.136	1.085	1.057	1.113	8.92
38)	t	Benzo[k]fluora...	0.995	0.924	0.940	0.969	0.932	1.245	1.054	1.059	1.090	0.963	1.017	9.71
39)	t	Benzo[a]pyrene	0.973	0.847	0.828	0.796	0.816	1.090	0.958	0.984	0.996	0.944	0.923	10.42
40)	t	Indeno[1,2,3-c...	1.020	0.918	0.899	0.852	0.860	1.162	1.011	1.039	1.057	1.097	0.991	10.56
41)	t	Dibenzo[a,h]anthracene	0.831	0.841	0.815	0.785	0.807	1.108	0.964	0.970	1.015	0.996	0.913	12.11
42)	t	Benzo[g,h,i]pe...	1.009	0.923	0.859	0.836	0.860	1.133	0.991	0.991	1.016	1.015	0.963	9.62

(#) = Out of Range

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : Tuneb.D
Acq On : 05 Nov 2024 10:48 am
Operator : SV125:
Sample : TUNE #11079
Misc : WG1994329,,ical
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Nov 06 17:36:22 2024



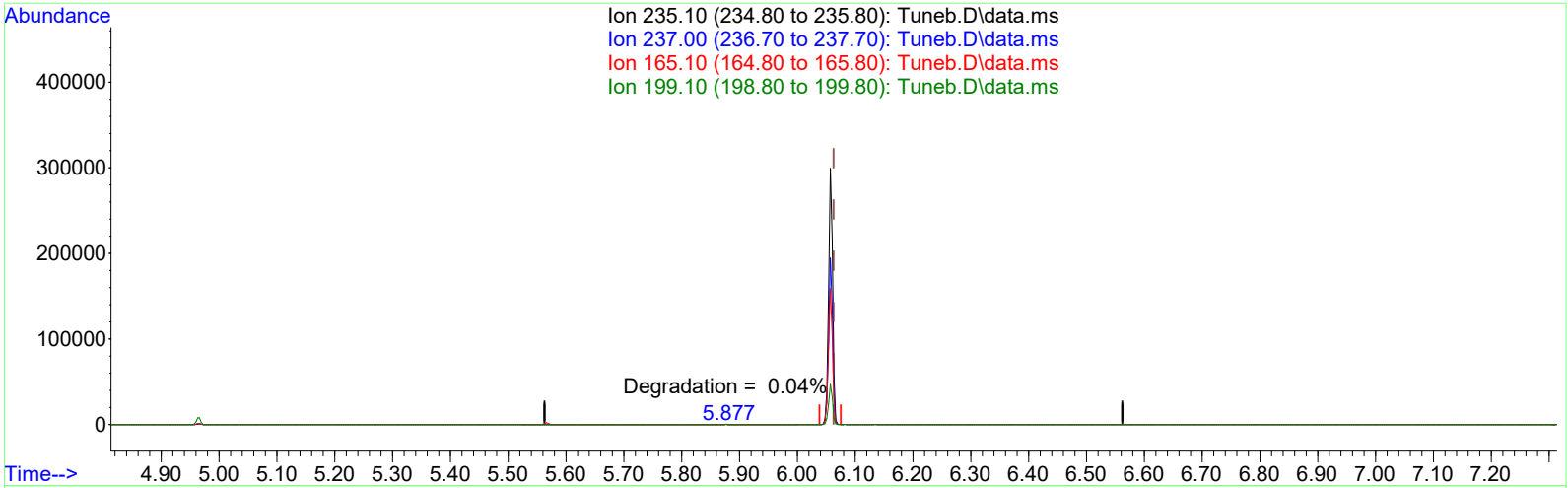
Spectrum Information: Average of 4.960 to 4.966 min.

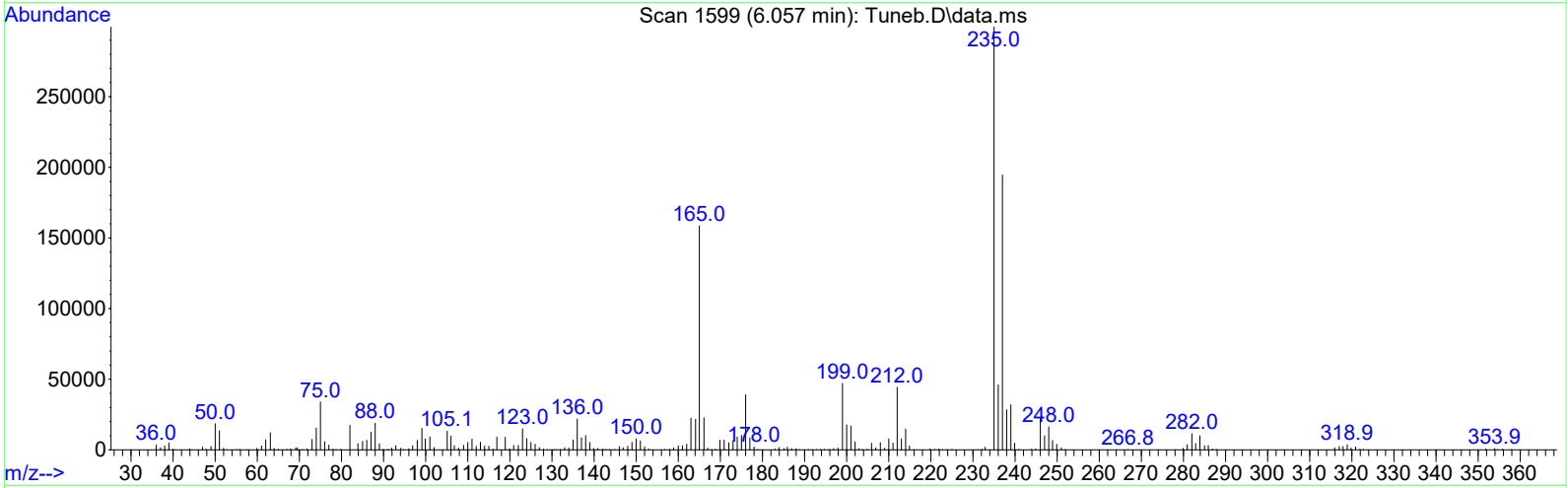
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	50.3	48540	PASS
68	69	0.00	2	1.5	598	PASS
69	69	100	100	100.0	40499	PASS
70	69	0.00	2	0.6	248	PASS
127	198	10	80	50.3	48472	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	96413	PASS
199	198	5	9	6.5	6268	PASS
275	198	10	60	24.8	23926	PASS
365	198	1	100	2.8	2706	PASS
441	442	0.01	24	17.6	14016	PASS
442	198	50	100	82.6	79661	PASS
443	442	15	24	19.4	15464	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : Tuneb.D
Acq On : 05 Nov 2024 10:48 am
Operator : SV125:
Sample : TUNE #11079
Misc : WG1994329,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 14:14:11 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 25 08:18:47 2024
Response via : Continuing Cal File:





TIC: Tuneb.D\data.ms

(6) ddt (T)

6.057min (-0.006) 23.81

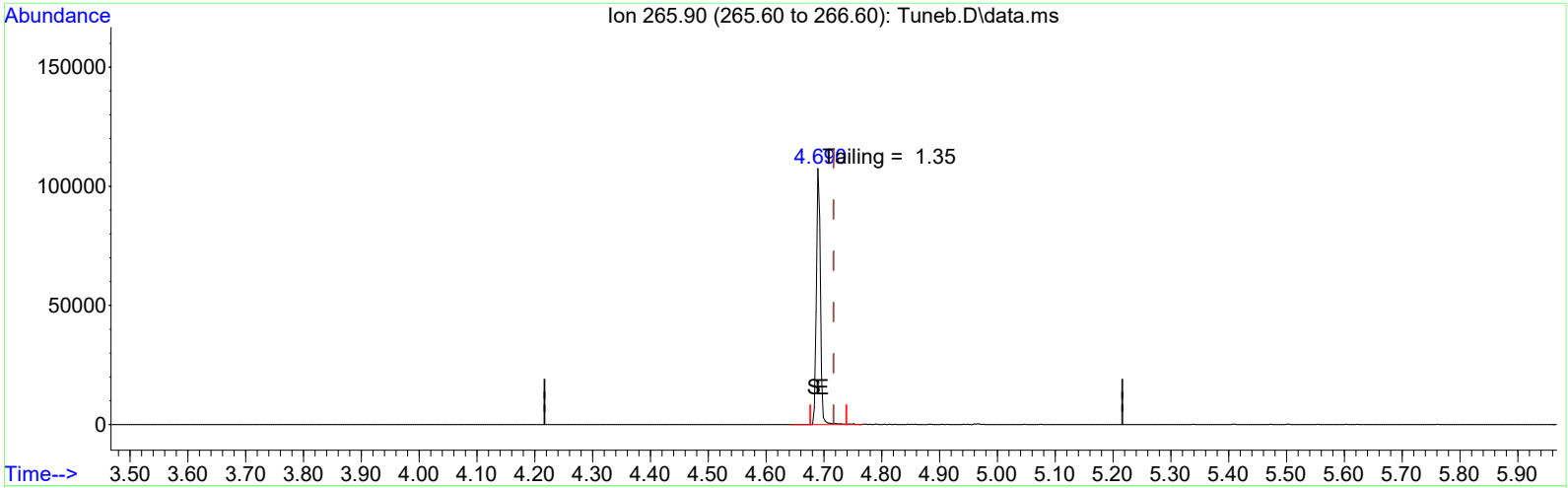
response 145112

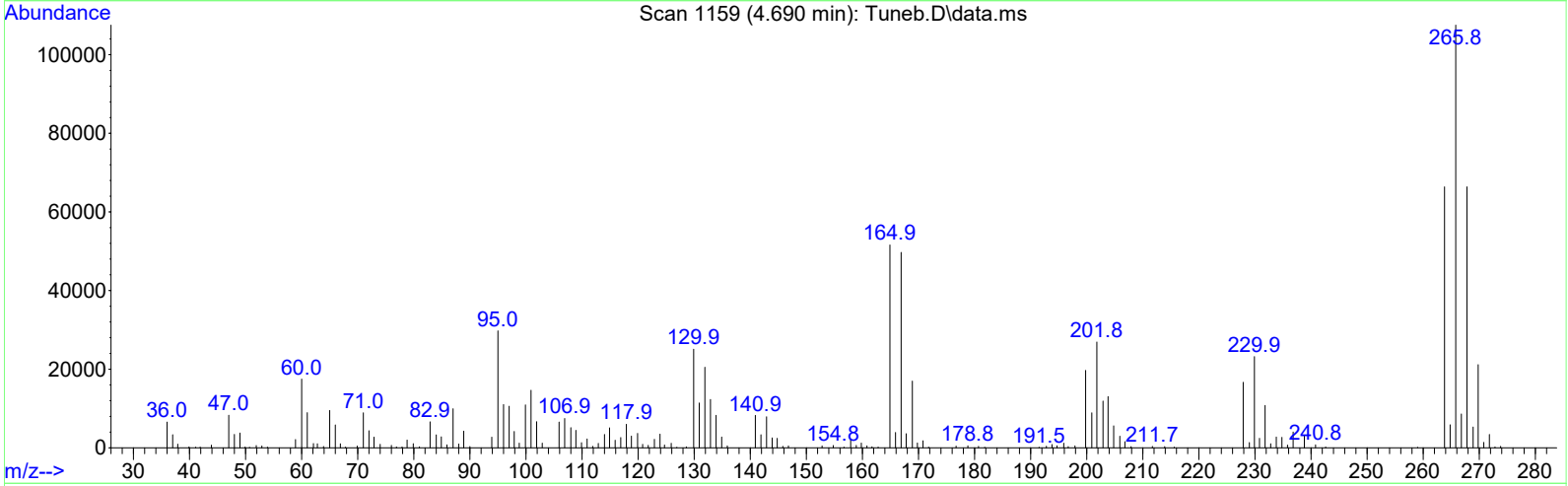
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.18
165.10	53.30	52.05
199.10	17.10	15.41

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : Tuneb.D
Acq On : 05 Nov 2024 10:48 am
Operator : SV125:
Sample : TUNE #11079
Misc : WG1994329,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 14:14:11 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 25 08:18:47 2024
Response via : Continuing Cal File:





TIC: Tuneb.D\data.ms

(1) pentachlorophenol (T)

4.690min (-0.027) 24.74

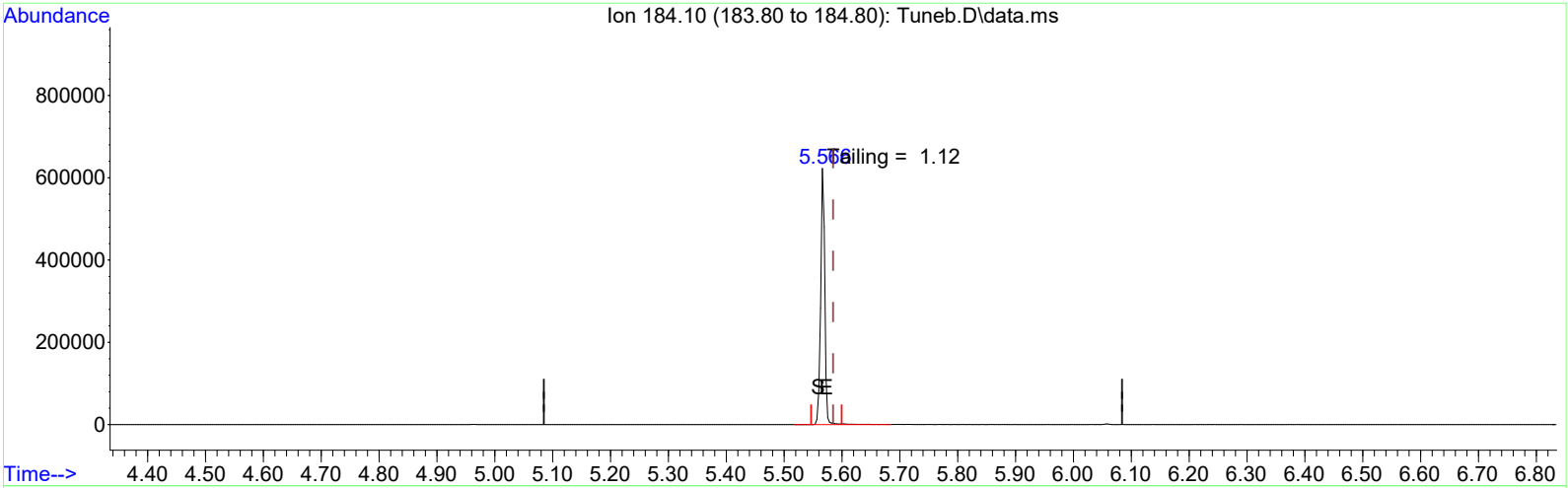
response 51971

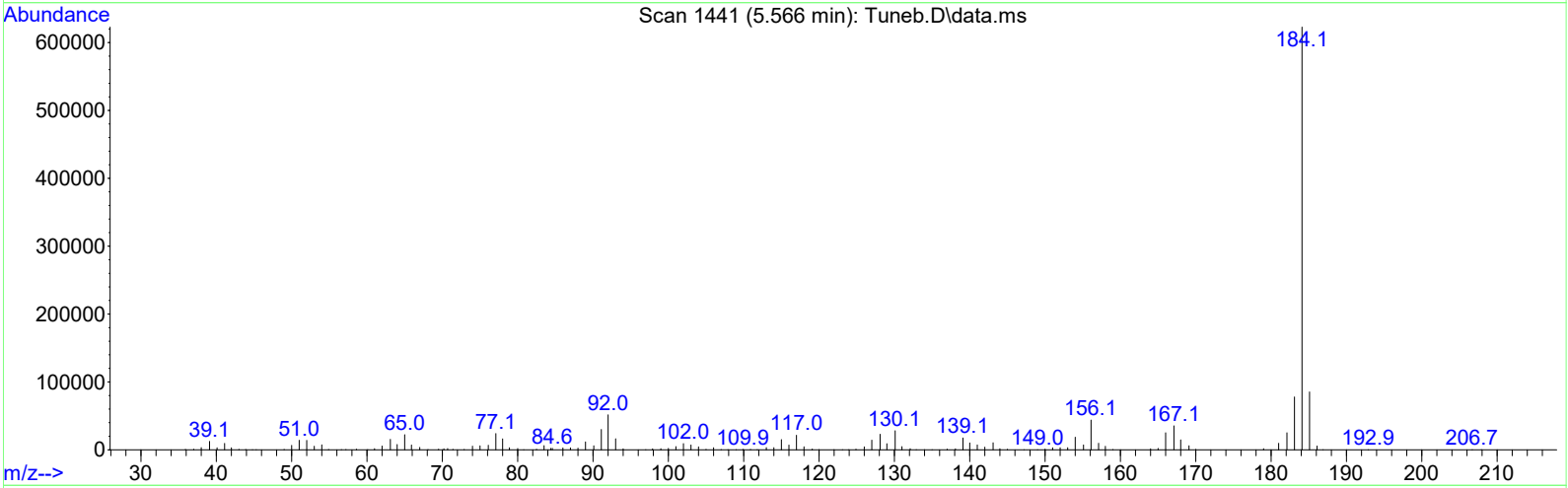
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : Tuneb.D
Acq On : 05 Nov 2024 10:48 am
Operator : SV125:
Sample : TUNE #11079
Misc : WG1994329,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Nov 05 14:14:11 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 25 08:18:47 2024
Response via : Continuing Cal File:





TIC: Tuneb.D\data.ms

(3) benzidine (T)

5.566min (-0.019) 30.05

response 305931

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 (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 11:10 am
Operator : SV125:jjw
Sample : IL10,32,,5000.0 ng/ml #10885
Misc : WG1994329,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 02 17:56:24 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.315	152	631338	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 88.94%			
8) Naphthalene-d8	2.989	136	2264955	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 91.06%			
17) Acenaphthene-d10	3.973	164	1479203	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 92.76%			
22) Phenanthrene-d10	4.818	188	3149364	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 97.39%			
31) Chrysene-d12	6.425	240	3310593M3	4000.000	ng/ml	0.04
Standard Area 1 = 3410692			Recovery = 97.07%			
36) Perylene-d12	7.695	264	3842332M1	4000.000	ng/ml	0.04
Standard Area 1 = 3839395			Recovery = 100.08%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.718	112	757737	4466.775	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 223.34%#			
3) Phenol-d6	2.122	99	973853	4535.758	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 226.79%#			
7) Nitrobenzene-d5	2.600	82	890560	4871.876	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 487.19%#			
13) 2-Fluorobiphenyl	3.590	172	2150996	4269.105	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 426.91%#			
21) 2,4,6-Tribromophenol	4.419	330	455663	5679.607	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 283.98%#			
30) 4-Terphenyl-d14	5.749	244	2947618	4059.282	ng/ml	0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 405.93%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.178	93	806530	5013.829	ng/ml	97
5) n-nitrosodi-n-propylamine	2.523	70	605496M6	4952.341	ng/ml	
6) Hexachloroethane	2.578	117	361613	4556.352	ng/ml	100
9) Naphthalene	3.000	128	2533833	4166.016	ng/ml	98
10) Hexachlorobutadiene	3.070	225	557380	4482.298	ng/ml	100
11) 2-Methylnaphthalene	3.379	142	1805801	4403.636	ng/ml	98
12) 1-Methylnaphthalene	3.438	142	1684670	4397.583	ng/ml	99
14) 2-Chloronaphthalene	3.656	162	1918082	4466.338	ng/ml	97
15) 2,6-Dinitrotoluene	3.852	165	518704	5288.906	ng/ml	99
16) Acenaphthylene	3.891	152	2834784	4650.656	ng/ml	97
18) Acenaphthene	3.991	153	2026736	4250.752	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 11:10 am
Operator : SV125:jjw
Sample : IL10,32,,5000.0 ng/ml #10885
Misc : WG1994329,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 02 17:56:24 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.081	165	742453	5336.554	ng/ml	97
20) Fluorene	4.283	166	2245328	4265.482	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.314	198	497907	5010.439	ng/ml	99
24) Hexachlorobenzene	4.602	284	871032	4313.324	ng/ml	99
25) Pentachlorophenol	4.710	266	606506	4102.712	ng/ml	100
26) Phenanthrene	4.831	178	3420893	3930.333	ng/ml	96
27) Anthracene	4.860	178	3478125	4150.051	ng/ml	96
28) Fluoranthene	5.521	202	4050461	4051.853	ng/ml	96
29) Pyrene	5.659	202	4292147	4062.929	ng/ml	95
32) Benzo[a]anthracene	6.414	228	4807476M3	4826.567	ng/ml	
33) 3,3'-Dichlorobenzidine	6.400	252	1904295	5131.517	ng/ml	99
34) Chrysene	6.444	228	4211375M3	4494.078	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.430	149	2911936M3	5431.106	ng/ml	
37) Benzo[b]fluoranthene	7.305	252	5076125	4747.666	ng/ml	98
38) Benzo[k]fluoranthene	7.335	252	4625366	4733.688	ng/ml	96
39) Benzo[a]pyrene	7.631	252	4533020	5111.909	ng/ml	97
40) Indeno[1,2,3-cd]pyrene	8.971	276	5266693	5530.205	ng/ml	98
41) Dibenzo[a,h]anthracene	9.007	278	4783000M6	5452.526	ng/ml	
42) Benzo[g,h,i]perylene	9.330	276	4876416	5269.973	ng/ml	99

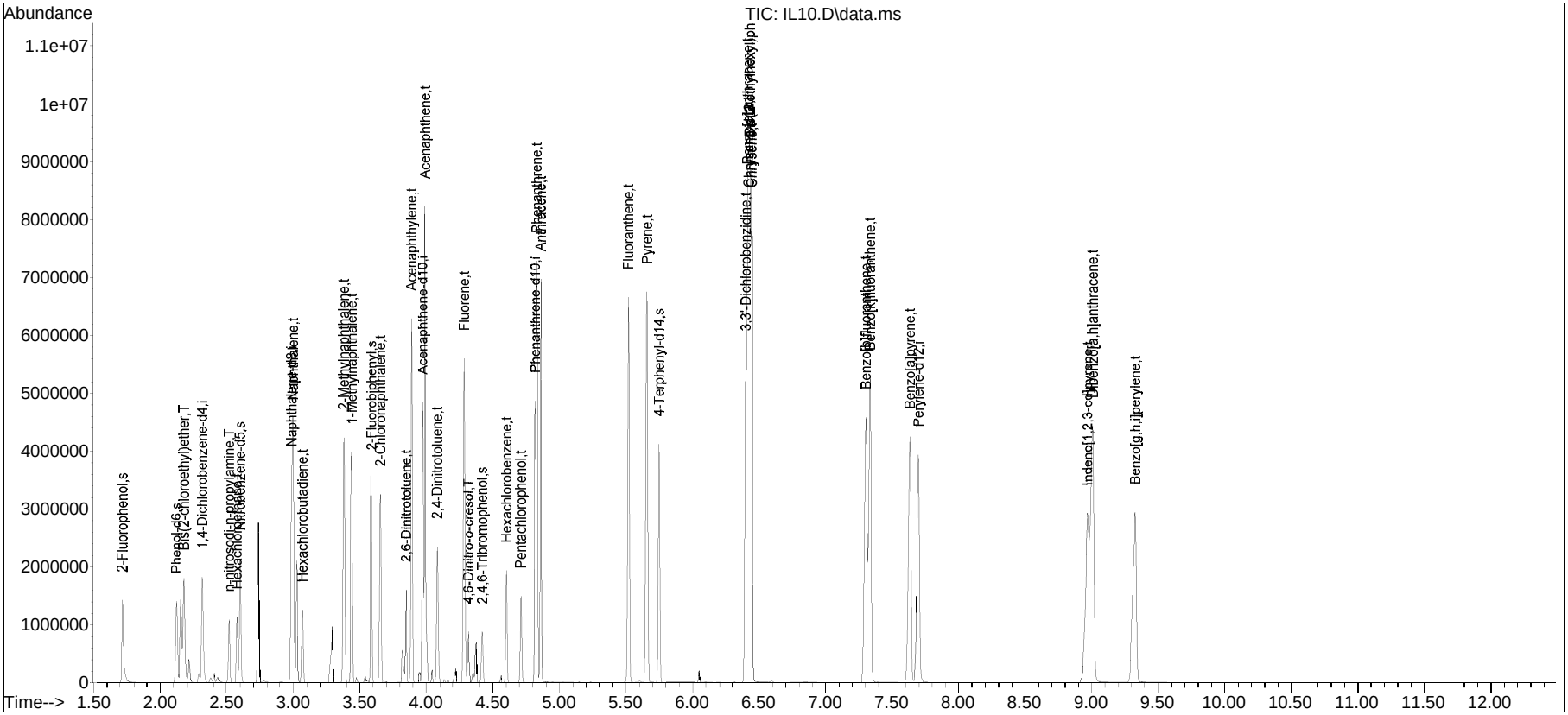
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL10.D
Acq On : 05 Nov 2024 11:10 am
Operator : SV125:jjw
Sample : IL10,32,,5000.0 ng/ml #10885
Misc : WG1994329,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 02 17:56:24 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:56 2024
Response via : Initial Calibration

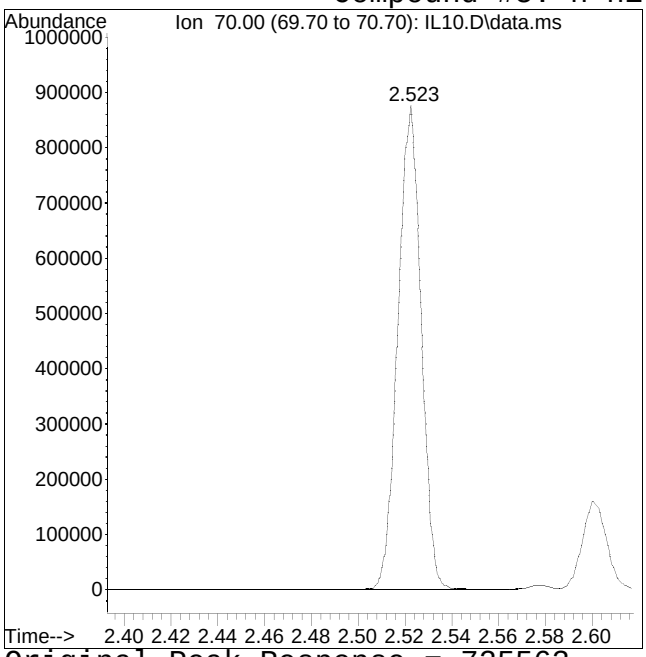
Sub List : Default - All compounds listedTical\IL8.D•



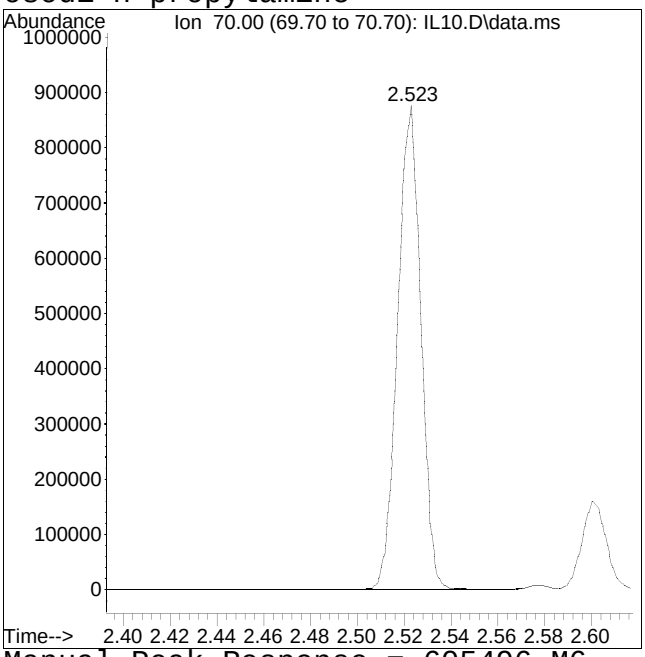
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL10.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:10 am Instrument : SV125
Sample : IL10,32,,5000.0 ng/ml #108Quant Date : 12/2/2024 5:57 pm

Compound #5: n-nitrosodi-n-propylamine



Original Peak Response = 725563



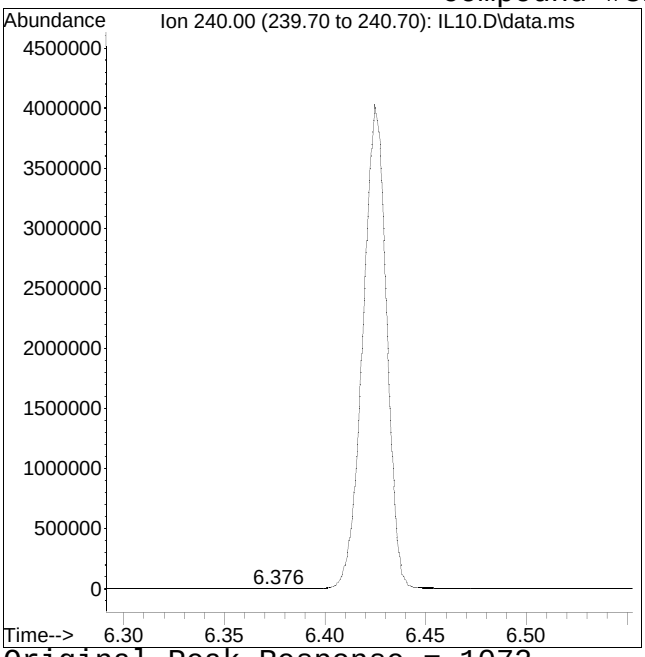
Manual Peak Response = 605496 M6

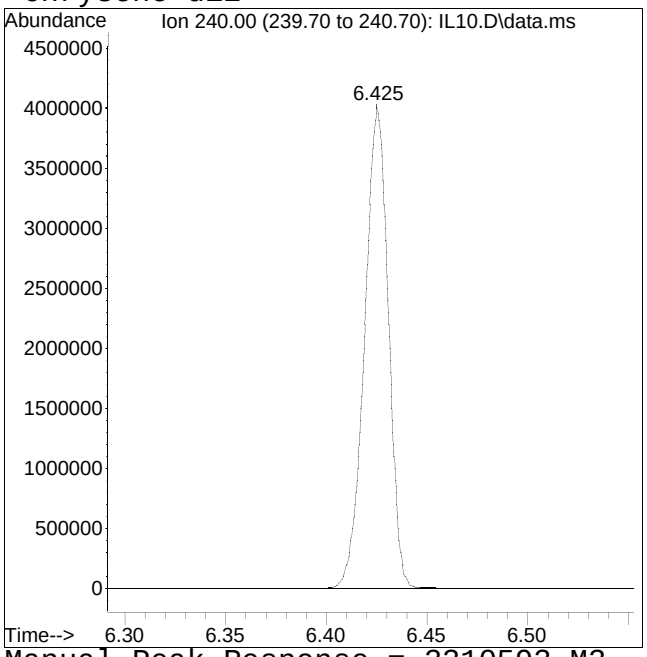
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQ
Data File : IL10.D
Date Inj'd : 11/5/2024 11:10 am
Sample : IL10,32,,5000.0 ng/ml #108
Method : SIM-RVT_241105n_sv125.M
Operator : SV125:jjw
Instrument : SV125
Quant Date : 12/2/2024 5:57 pm

Compound #31: Chrysene-d12





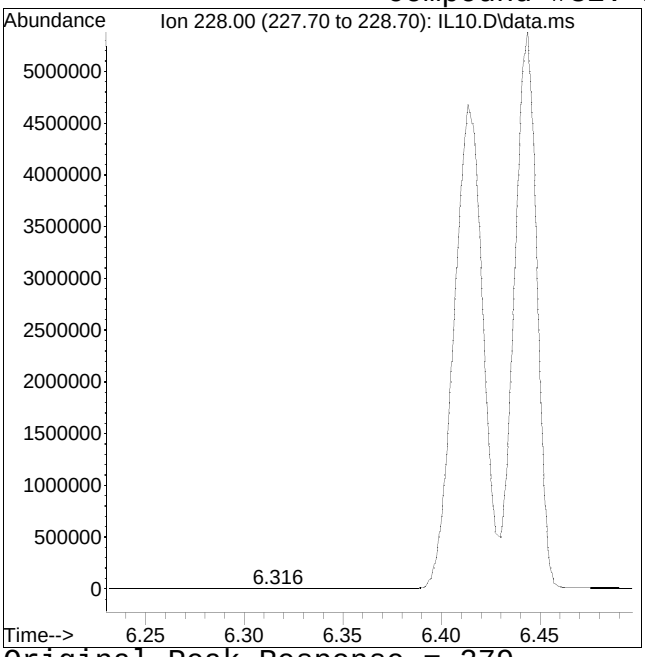
Original Peak Response = 1072 Manual Peak Response = 3310593 M3

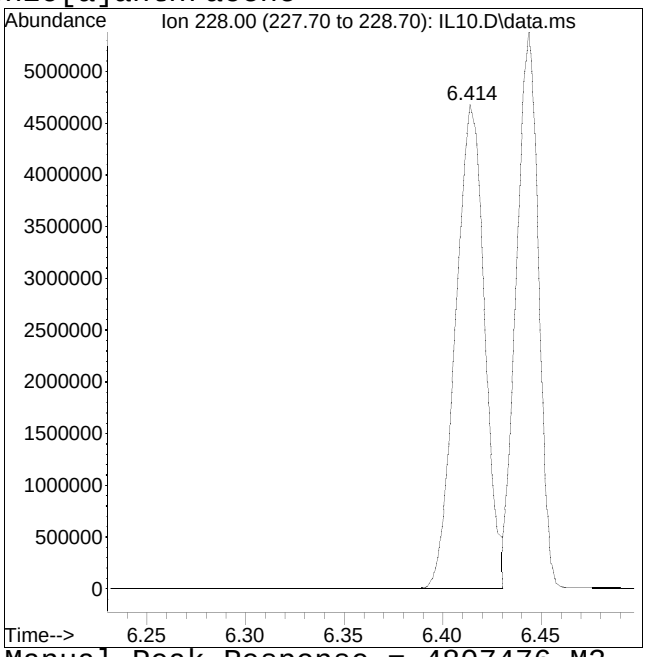
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL10.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:10 am Instrument : SV125
Sample : IL10,32,,5000.0 ng/ml #108Quant Date : 12/2/2024 5:57 pm

Compound #32: Benzo[a]anthracene



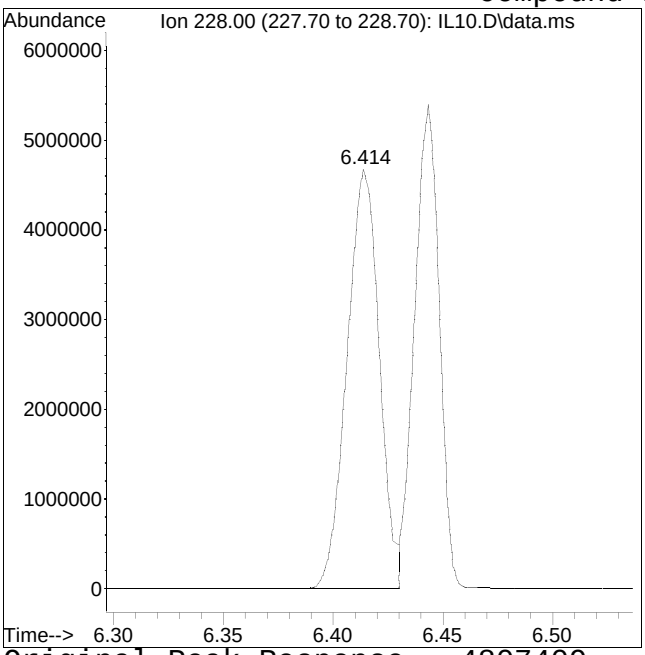


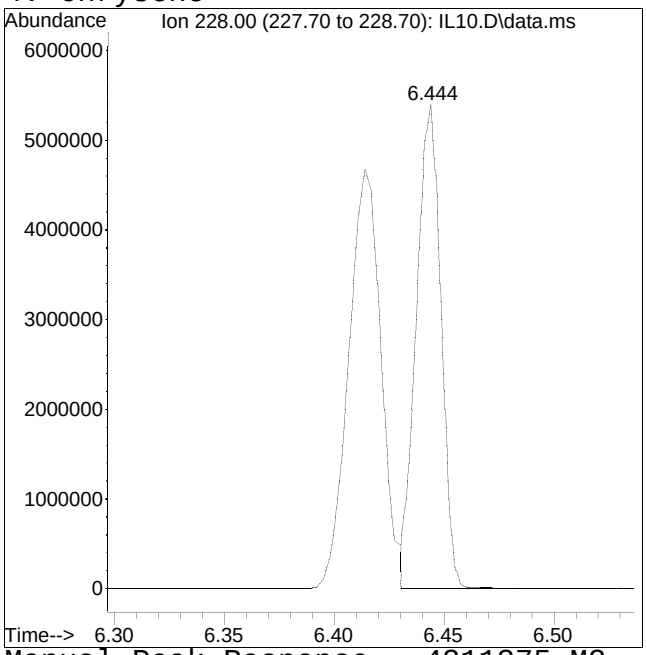
Original Peak Response = 279 Manual Peak Response = 4807476 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL10.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:10 am Instrument : SV125
Sample : IL10,32,,5000.0 ng/ml #108Quant Date : 12/2/2024 5:57 pm

Compound #34: Chrysene



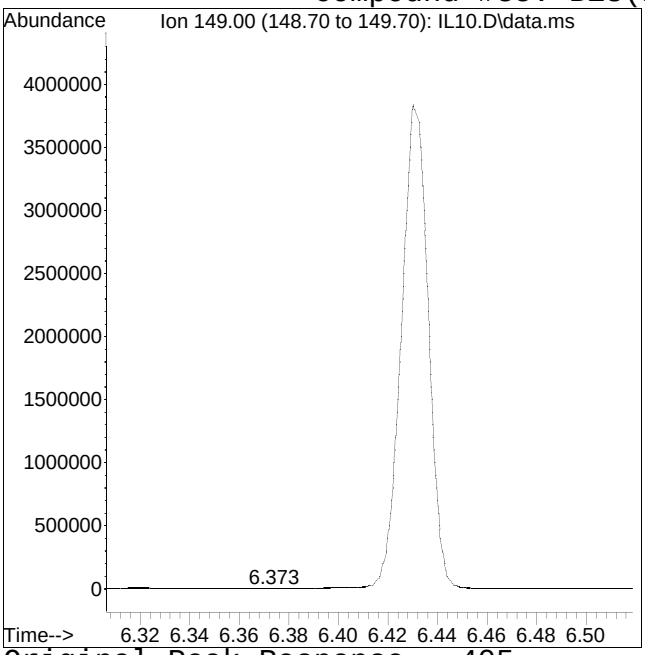


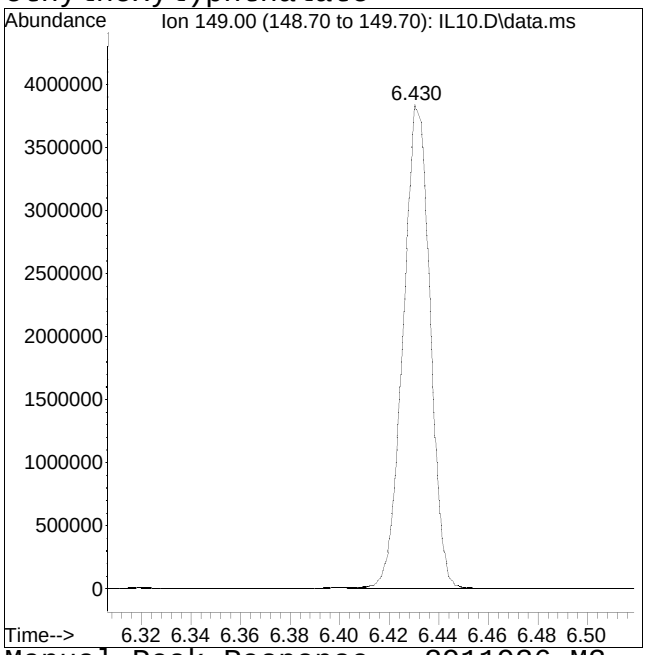
Original Peak Response = 4807409 Manual Peak Response = 4211375 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL10.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:10 am Instrument : SV125
Sample : IL10,32,,5000.0 ng/ml #108Quant Date : 12/2/2024 5:57 pm

Compound #35: Bis(2-ethylhexyl)phthalate





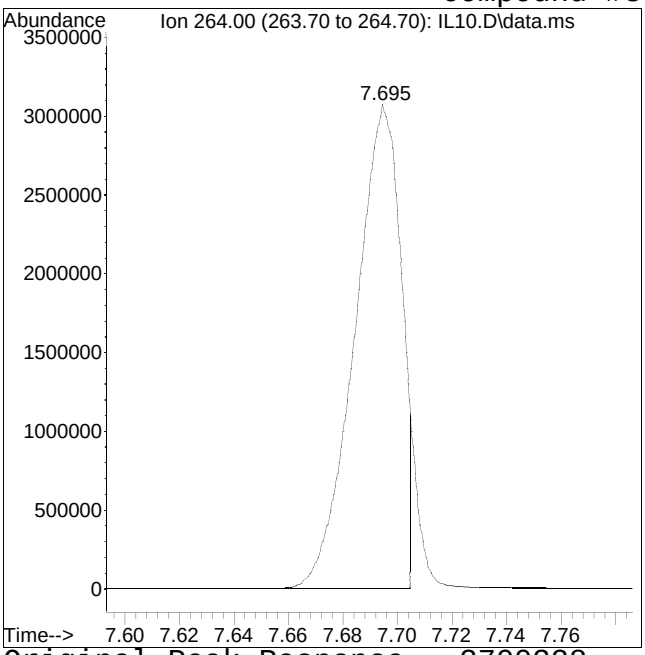
Original Peak Response = 405 Manual Peak Response = 2911936 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

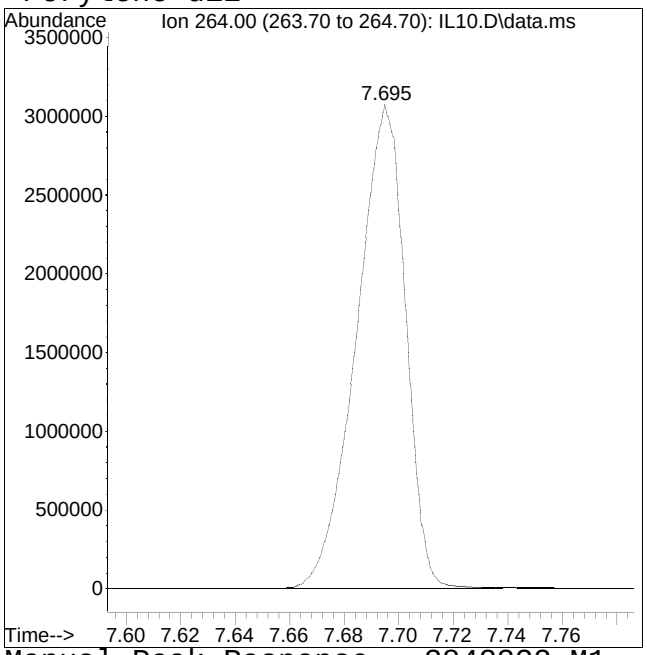
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQ
Data File : IL10.D
Date Inj'd : 11/5/2024 11:10 am
Sample : IL10,32,,5000.0 ng/ml #108

Method : SIM-RVT_241105n_sv125.M
Operator : SV125:jjw
Instrument : SV125
Quant Date : 12/2/2024 5:57 pm

Compound #36: Perylene-d12





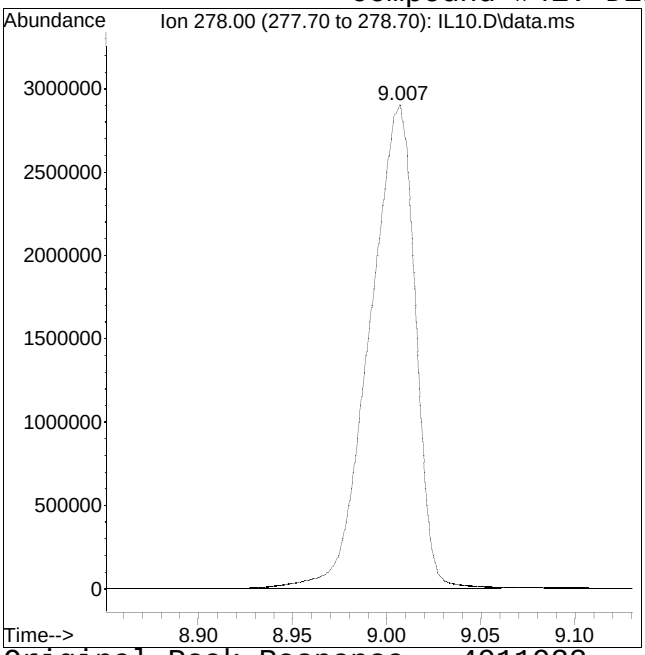
Original Peak Response = 3700328 Manual Peak Response = 3842332 M1

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

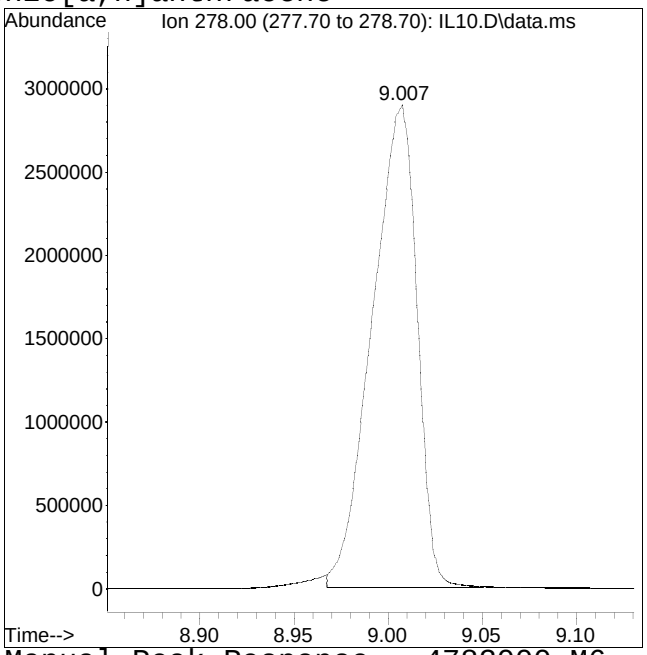
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL10.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:10 am Instrument : SV125
Sample : IL10,32,,5000.0 ng/ml #108Quant Date : 12/2/2024 5:57 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 4911923



Manual Peak Response = 4783000 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 11:26 am
Operator : SV125:jjw
Sample : IL9,32,,2500.0 ng/ml #10901
Misc : WG1994329,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 17:57:07 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:39 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.322	152	654991	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 92.27%			
8) Naphthalene-d8	2.992	136	2295275	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 92.28%			
17) Acenaphthene-d10	3.974	164	1453098	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 91.13%			
22) Phenanthrene-d10	4.816	188	3001807	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 92.83%			
31) Chrysene-d12	6.390	240	3088011	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 90.54%			
36) Perylene-d12	7.657	264	3462371	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 90.18%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.730	112	414704	2356.353	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 117.82%#			
3) Phenol-d6	2.128	99	520868	2338.357	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 116.92%#			
7) Nitrobenzene-d5	2.606	82	476570	2512.964	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 251.30%#			
13) 2-Fluorobiphenyl	3.589	172	1175399	2302.011	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 230.20%#			
21) 2,4,6-Tribromophenol	4.417	330	227537	2887.084	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 144.35%#			
30) 4-Terphenyl-d14	5.732	244	1537246	2221.066	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 222.11%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.184	93	443767	2500.326	ng/ml	94
5) n-nitrosodi-n-propylamine	2.526	70	324609	2559.095	ng/ml	100
6) Hexachloroethane	2.584	117	196996	2392.529	ng/ml	100
9) Naphthalene	3.003	128	1406352	2281.717	ng/ml	99
10) Hexachlorobutadiene	3.073	225	301583	2393.212	ng/ml	100
11) 2-Methylnaphthalene	3.383	142	980134	2358.587	ng/ml	99
12) 1-Methylnaphthalene	3.438	142	908360	2339.818	ng/ml	100
14) 2-Chloronaphthalene	3.656	162	1028733	2363.807	ng/ml	98
15) 2,6-Dinitrotoluene	3.850	165	264387	2660.181	ng/ml	98
16) Acenaphthylene	3.892	152	1546066	2502.921	ng/ml	99
18) Acenaphthene	3.990	153	1089397	2325.882	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 11:26 am
Operator : SV125:jjw
Sample : IL9,32,,2500.0 ng/ml #10901
Misc : WG1994329,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 17:57:07 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:39 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.079	165	371848	2720.760	ng/ml	98
20) Fluorene	4.281	166	1200558	2321.691	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.309	198	240463	2549.944	ng/ml	100
24) Hexachlorobenzene	4.601	284	449972	2337.780	ng/ml	100
25) Pentachlorophenol	4.708	266	288388	2485.565	ng/ml	100
26) Phenanthrene	4.829	178	1855997	2237.212	ng/ml	99
27) Anthracene	4.858	178	1893586	2370.464	ng/ml	99
28) Fluoranthene	5.508	202	2197263	2306.064	ng/ml	99
29) Pyrene	5.641	202	2304014	2288.178	ng/ml	99
32) Benzo[a]anthracene	6.380	228	2411444	2590.663	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.363	252	925516	2673.760	ng/ml	100
34) Chrysene	6.409	228	2207153	2525.085	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.396	149	1428805	2856.974	ng/ml	99
37) Benzo[b]fluoranthene	7.264	252	2346892	2435.916	ng/ml	96
38) Benzo[k]fluoranthene	7.294	252	2357883	2677.917	ng/ml	98
39) Benzo[a]pyrene	7.590	252	2155193	2697.137	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.926	276	2286574	2664.463	ng/ml	98
41) Dibenzo[a,h]anthracene	8.960	278	2195376M6	2777.331	ng/ml	
42) Benzo[g,h,i]perylene	9.283	276	2197969	2636.031	ng/ml	99

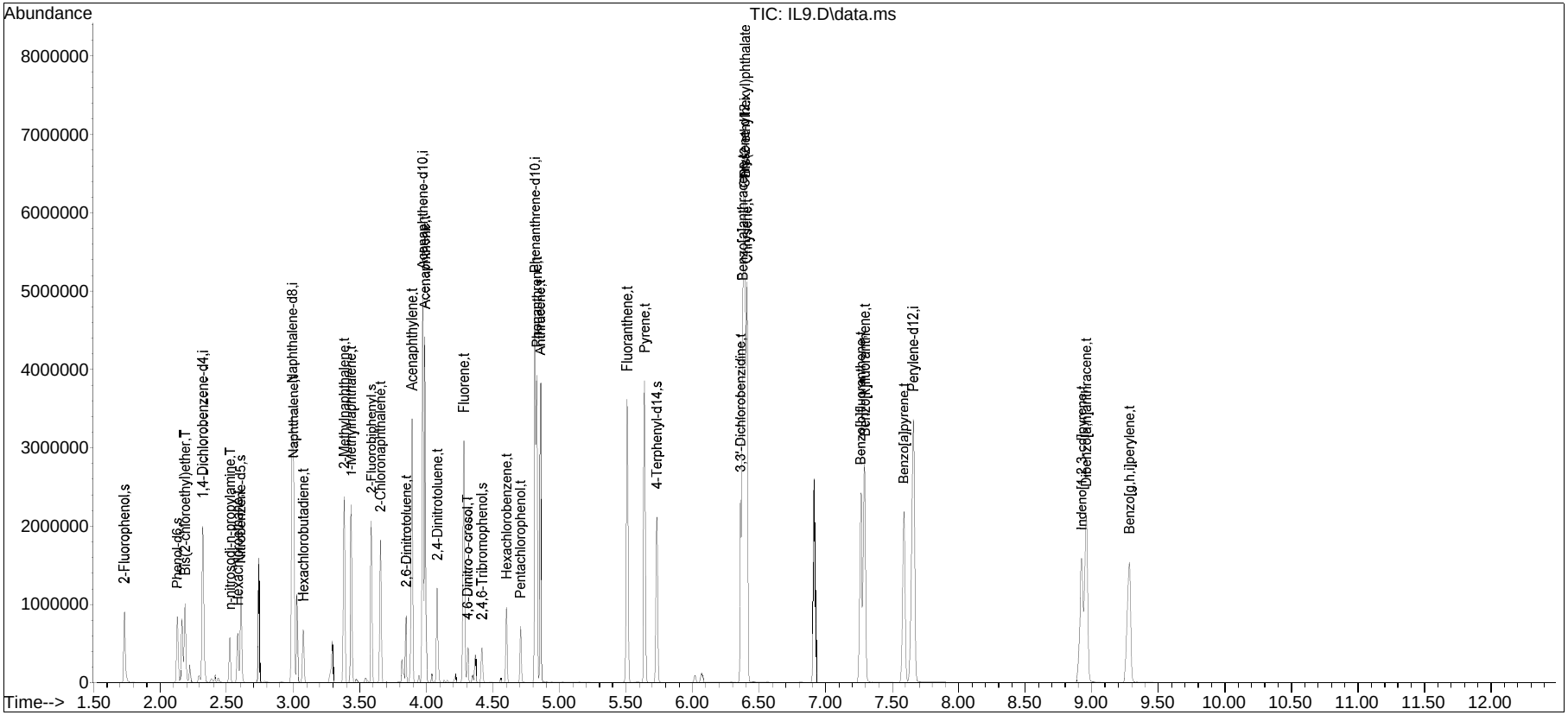
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL9.D
Acq On : 05 Nov 2024 11:26 am
Operator : SV125:jjw
Sample : IL9,32,,2500.0 ng/ml #10901
Misc : WG1994329,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 02 17:57:07 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:39 2024
Response via : Initial Calibration

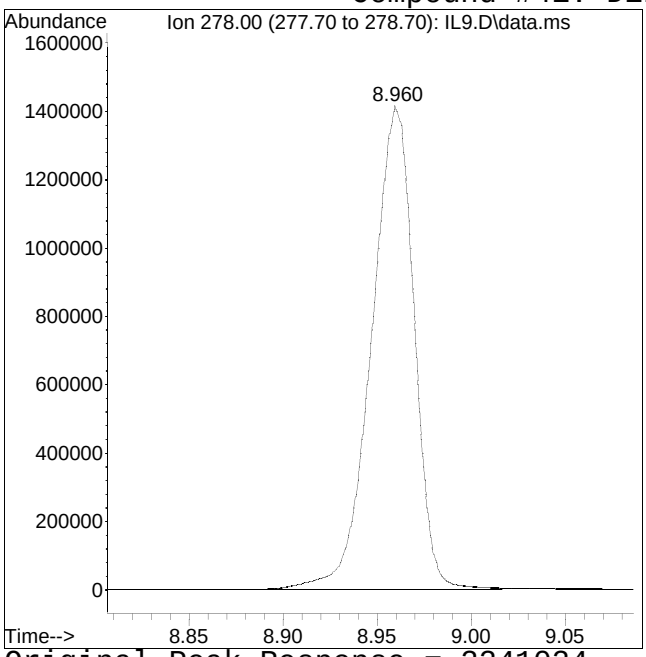
Sub List : Default - All compounds listedTical\IL8.D•



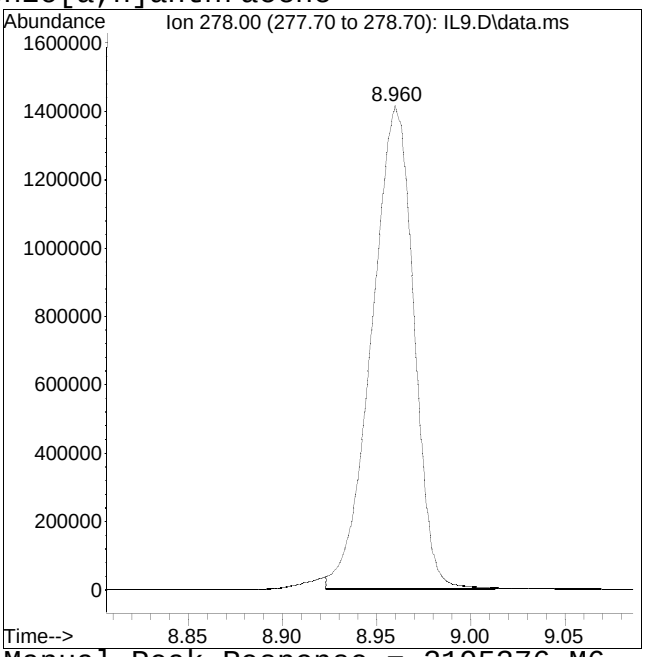
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL9.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:26 am Instrument : SV125
Sample : IL9,32,,2500.0 ng/ml #1090Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2241024



Manual Peak Response = 2195376 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 11:42 am
Operator : SV125:jjw
Sample : IL8,32,,1000.0 ng/ml #10888
Misc : WG1994329,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 17:57:02 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.323	152	709882	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 100.00%			
8) Naphthalene-d8	2.992	136	2487386	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 100.00%			
17) Acenaphthene-d10	3.974	164	1594573	4000.000	ng/ml	-0.01
Standard Area 1 = 1594573			Recovery = 100.00%			
22) Phenanthrene-d10	4.814	188	3233659	4000.000	ng/ml	-0.01
Standard Area 1 = 3233659			Recovery = 100.00%			
31) Chrysene-d12	6.389	240	3410694	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 100.00%			
36) Perylene-d12	7.655	264	3839395	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 100.00%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.727	112	185873	974.468	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.72%			
3) Phenol-d6	2.126	99	230945	956.623	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.83%			
7) Nitrobenzene-d5	2.603	82	211501	1029.014	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 102.90%			
13) 2-Fluorobiphenyl	3.589	172	540161	976.196	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.62%			
21) 2,4,6-Tribromophenol	4.418	330	98262	1136.170	ng/ml	-0.06
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.81%			
30) 4-Terphenyl-d14	5.729	244	712476	955.602	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.56%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.185	93	187118	935.826	ng/ml	100
5) n-nitrosodi-n-propylamine	2.523	70	142344	1035.414	ng/ml	100
6) Hexachloroethane	2.584	117	86629	970.761	ng/ml	100
9) Naphthalene	3.003	128	643856	963.936	ng/ml	100
10) Hexachlorobutadiene	3.073	225	133440	977.129	ng/ml	100
11) 2-Methylnaphthalene	3.383	142	444662	987.388	ng/ml	100
12) 1-Methylnaphthalene	3.437	142	411085	977.118	ng/ml	100
14) 2-Chloronaphthalene	3.655	162	468094	992.508	ng/ml	100
15) 2,6-Dinitrotoluene	3.847	165	114155	1059.882	ng/ml	100
16) Acenaphthylene	3.889	152	698794	1043.902	ng/ml	100
18) Acenaphthene	3.989	153	490098	953.531	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 11:42 am
Operator : SV125:jjw
Sample : IL8,32,,1000.0 ng/ml #10888
Misc : WG1994329,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 17:57:02 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.076	165	159842	1065.777	ng/ml	100
20) Fluorene	4.278	166	550417	969.982	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.306	198	99437	992.866	ng/ml	100
24) Hexachlorobenzene	4.599	284	201727	972.906	ng/ml	100
25) Pentachlorophenol	4.709	266	108114	1068.736	ng/ml	100
26) Phenanthrene	4.827	178	852938	954.412	ng/ml	100
27) Anthracene	4.856	178	867569	1008.186	ng/ml	100
28) Fluoranthene	5.509	202	1013081	987.011	ng/ml	100
29) Pyrene	5.639	202	1068417	984.995	ng/ml	100
32) Benzo[a]anthracene	6.378	228	1082602	1046.782	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.359	252	412989	1080.222	ng/ml	100
34) Chrysene	6.405	228	1036389	1073.501	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.394	149	586693	1062.137	ng/ml	100
37) Benzo[b]fluoranthene	7.258	252	1089943	1020.196	ng/ml	100
38) Benzo[k]fluoranthene	7.285	252	1016653	1041.258	ng/ml	100
39) Benzo[a]pyrene	7.581	252	944125	1065.509	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.914	276	997020	1047.705	ng/ml	100
41) Dibenzo[a,h]anthracene	8.947	278	931119M6	1062.269	ng/ml	
42) Benzo[g,h,i]perylene	9.267	276	949557	1026.977	ng/ml	100

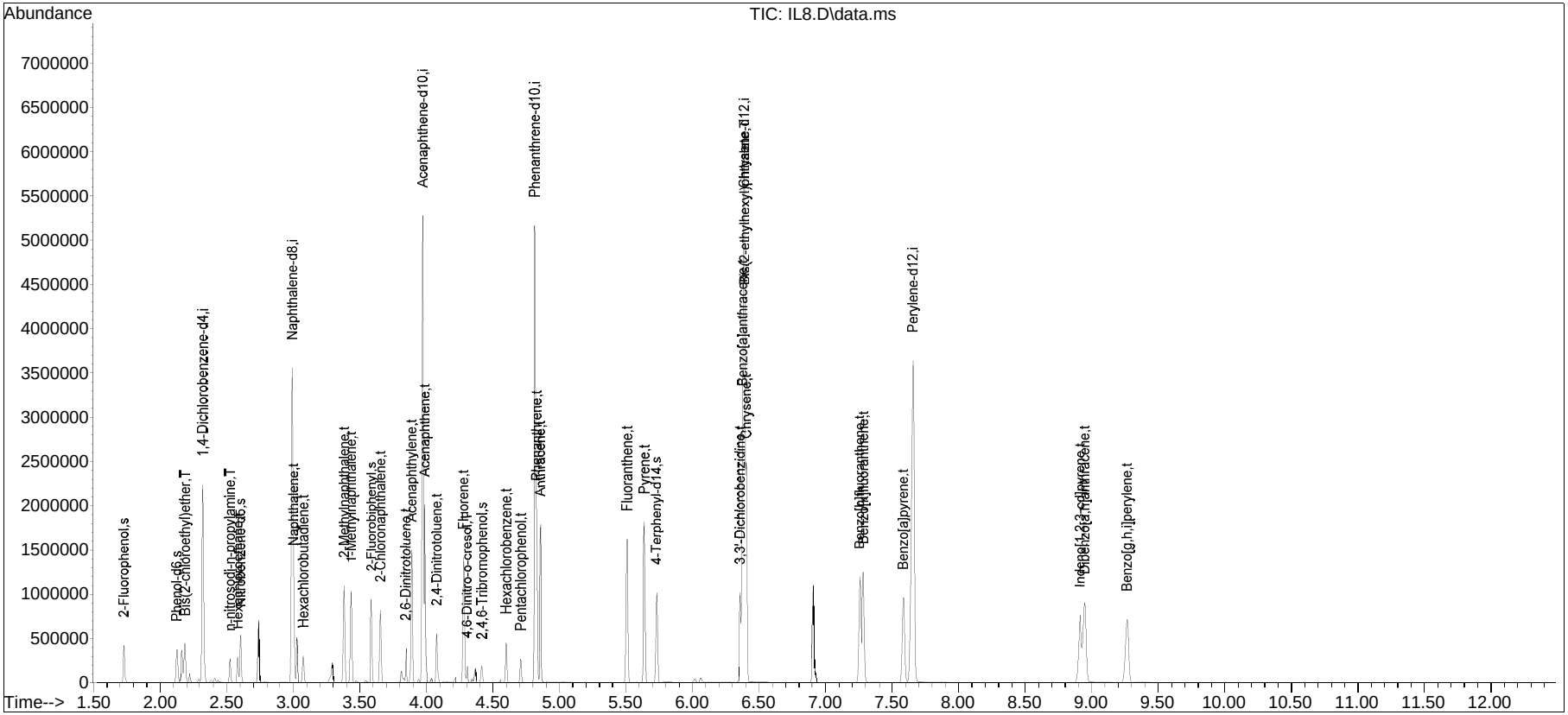
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL8.D
Acq On : 05 Nov 2024 11:42 am
Operator : SV125:jjw
Sample : IL8,32,,1000.0 ng/ml #10888
Misc : WG1994329,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 02 17:57:02 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:35 2024
Response via : Initial Calibration

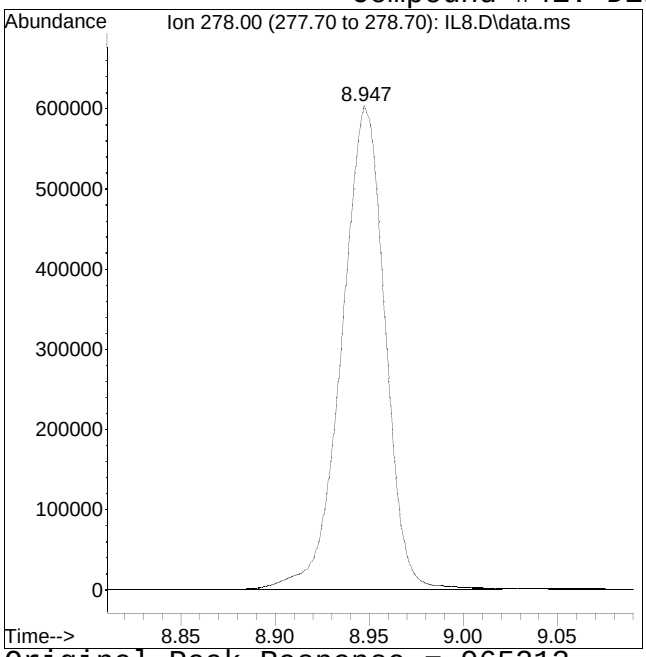
Sub List : Default - All compounds listedTical\IL8.D•



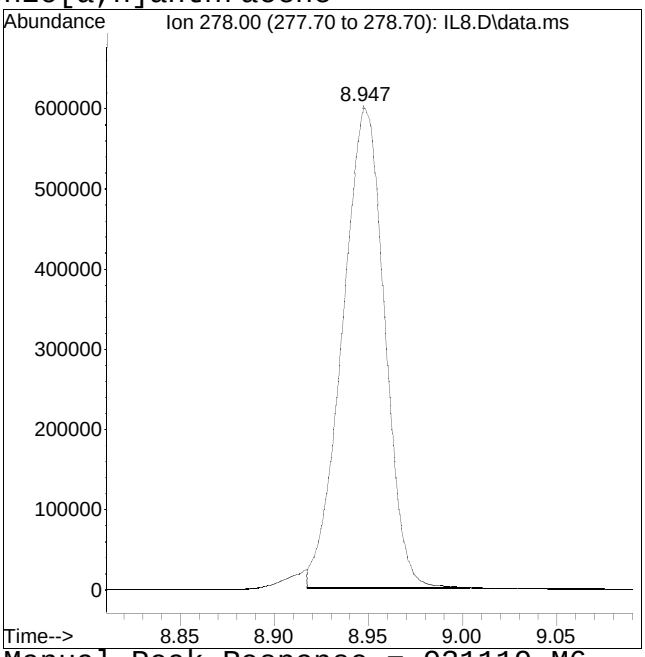
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL8.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:42 am Instrument : SV125
Sample : IL8,32,,1000.0 ng/ml #1088Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 965213



Manual Peak Response = 931119 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 11:58 am
Operator : SV125:jjw
Sample : IL7,32,,500.0 ng/ml #10889
Misc : WG1994329,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 02 17:56:57 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.322	152	619943	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 87.33%			
8) Naphthalene-d8	2.993	136	2188999	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 88.00%			
17) Acenaphthene-d10	3.973	164	1352663	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 84.83%			
22) Phenanthrene-d10	4.815	188	2851884	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 88.19%			
31) Chrysene-d12	6.387	240	2984497	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 87.50%			
36) Perylene-d12	7.653	264	3297819	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 85.89%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.732	112	82103	492.884	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.64%			
3) Phenol-d6	2.129	99	99041	469.766	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 23.49%			
7) Nitrobenzene-d5	2.606	82	89620	499.285	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 49.93%			
13) 2-Fluorobiphenyl	3.590	172	234519	481.603	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 48.16%			
21) 2,4,6-Tribromophenol	4.415	330	40195	547.879	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 27.39%			
30) 4-Terphenyl-d14	5.727	244	316609	481.496	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 48.15%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.185	93	89046	503.160	ng/ml	93
5) n-nitrosodi-n-propylamine	2.526	70	58656	488.564	ng/ml	100
6) Hexachloroethane	2.584	117	37808	485.140	ng/ml	100
9) Naphthalene	3.003	128	279843	476.071	ng/ml	100
10) Hexachlorobutadiene	3.074	225	58538	487.081	ng/ml	100
11) 2-Methylnaphthalene	3.383	142	190647	481.045	ng/ml	100
12) 1-Methylnaphthalene	3.438	142	177342	478.988	ng/ml	100
14) 2-Chloronaphthalene	3.656	162	200972	484.210	ng/ml	100
15) 2,6-Dinitrotoluene	3.847	165	45749	482.661	ng/ml	97
16) Acenaphthylene	3.891	152	294489	499.893	ng/ml	100
18) Acenaphthene	3.989	153	209179	479.761	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 11:58 am
Operator : SV125:jjw
Sample : IL7,32,,500.0 ng/ml #10889
Misc : WG1994329,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 02 17:56:57 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.075	165	64343	505.745	ng/ml	96
20) Fluorene	4.279	166	236137	490.558	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.306	198	37818	441.091	ng/ml	96
24) Hexachlorobenzene	4.600	284	89087	487.173	ng/ml	100
25) Pentachlorophenol	4.707	266	36672	461.630	ng/ml	100
26) Phenanthrene	4.828	178	377088	478.436	ng/ml	100
27) Anthracene	4.854	178	376571	496.188	ng/ml	99
28) Fluoranthene	5.507	202	448379	495.320	ng/ml	100
29) Pyrene	5.637	202	472366	493.781	ng/ml	100
32) Benzo[a]anthracene	6.376	228	474023	518.536	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.357	252	163786	489.579	ng/ml	100
34) Chrysene	6.403	228	463026	548.096	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.392	149	233056	482.171	ng/ml	100
37) Benzo[b]fluoranthene	7.256	252	478179	521.082	ng/ml	99
38) Benzo[k]fluoranthene	7.283	252	434461	518.051	ng/ml	99
39) Benzo[a]pyrene	7.579	252	394816	518.750	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.909	276	416934	510.080	ng/ml	99
41) Dibenzo[a,h]anthracene	8.942	278	397396M6	527.824	ng/ml	
42) Benzo[g,h,i]perylene	9.262	276	408705	514.619	ng/ml	100

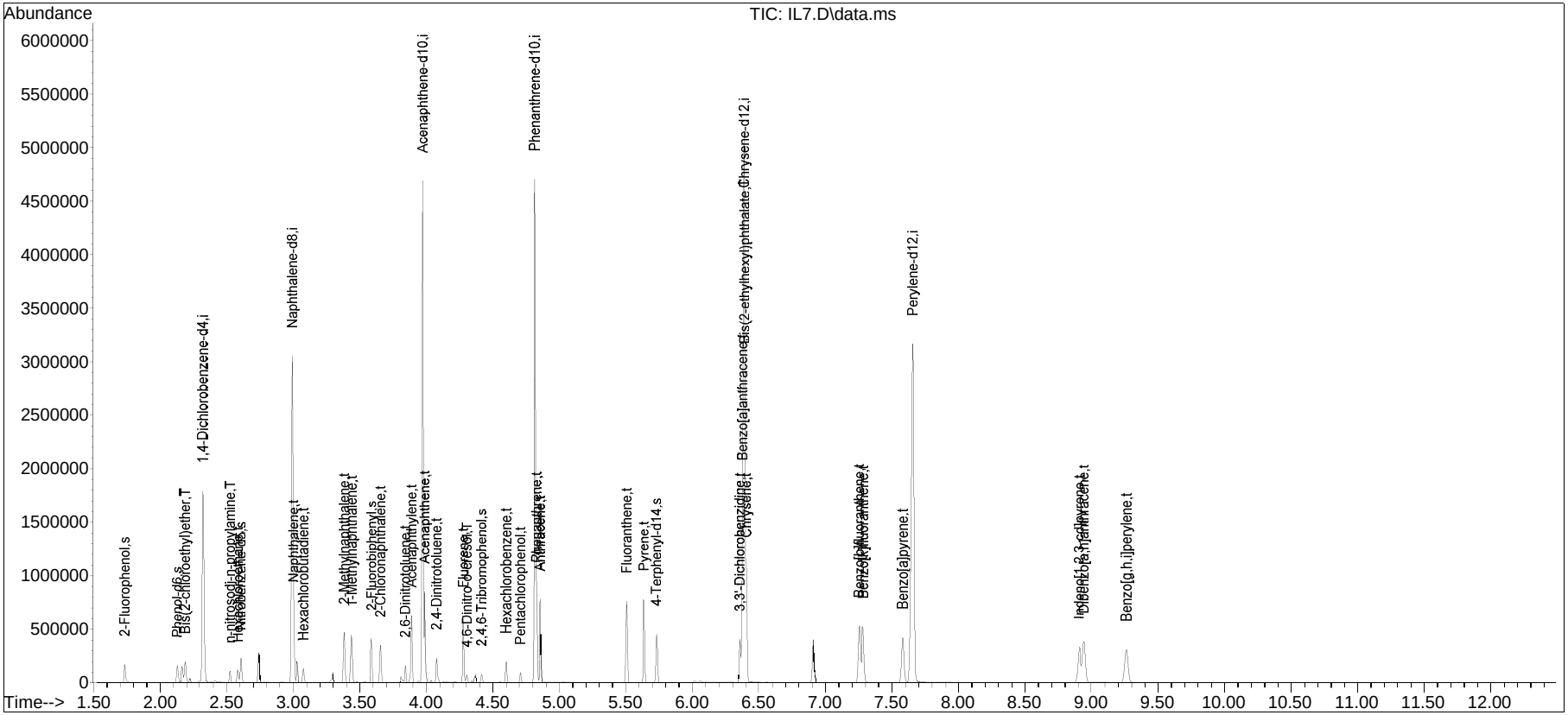
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL7.D
Acq On : 05 Nov 2024 11:58 am
Operator : SV125:jjw
Sample : IL7,32,,500.0 ng/ml #10889
Misc : WG1994329,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 02 17:56:57 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:30 2024
Response via : Initial Calibration

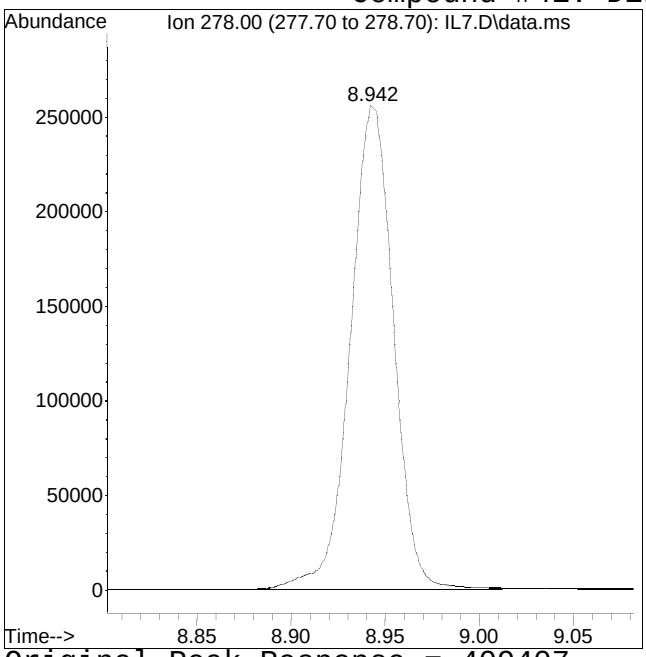
Sub List : Default - All compounds listedTical\IL8.D•



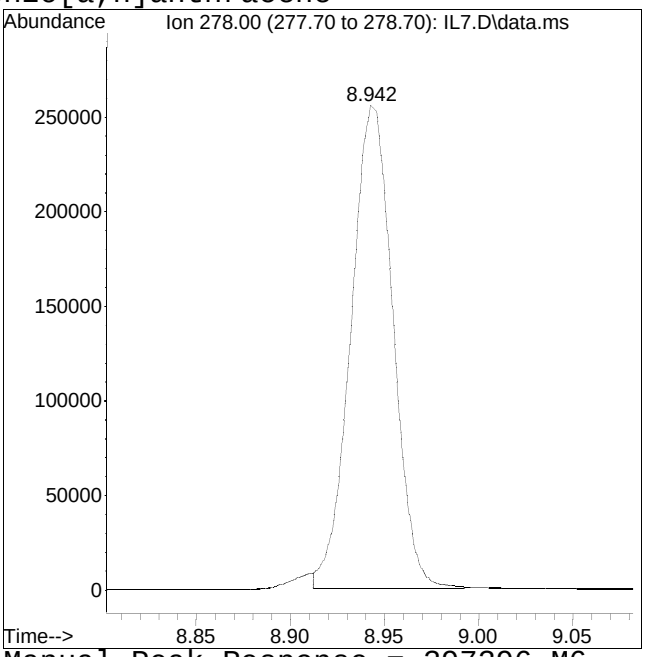
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL7.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 11:58 am Instrument : SV125
Sample : IL7,32,,500.0 ng/ml #10889Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 409407



Manual Peak Response = 397396 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 12:15 pm
Operator : SV125:jjw
Sample : IL6,32,,100.0 ng/ml #10899
Misc : WG1994329,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 17:56:53 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:25 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.323	152	653598	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 92.07%			
8) Naphthalene-d8	2.993	136	2271621	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 91.33%			
17) Acenaphthene-d10	3.972	164	1405052	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 88.11%			
22) Phenanthrene-d10	4.815	188	2937671	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 90.85%			
31) Chrysene-d12	6.385	240	3137659	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 91.99%			
36) Perylene-d12	7.654	264	3403858	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 88.66%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.732	112	20779	118.318	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.92%#			
3) Phenol-d6	2.129	99	25263	113.656	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.68%#			
7) Nitrobenzene-d5	2.606	82	22908	121.052	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 12.11%#			
13) 2-Fluorobiphenyl	3.590	172	61956	122.604	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 12.26%#			
21) 2,4,6-Tribromophenol	4.415	330	9195	120.660	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 6.03%#			
30) 4-Terphenyl-d14	5.730	244	80851	119.367	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 11.94%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.185	93	29840	155.947	ng/ml#	74
5) n-nitrosodi-n-propylamine	2.526	70	14736	116.421	ng/ml	98
6) Hexachloroethane	2.584	117	9810	119.397	ng/ml	99
9) Naphthalene	3.003	128	72939	119.571	ng/ml	100
10) Hexachlorobutadiene	3.074	225	15134	121.346	ng/ml	100
11) 2-Methylnaphthalene	3.384	142	49473	120.291	ng/ml	99
12) 1-Methylnaphthalene	3.438	142	45659	118.836	ng/ml	99
14) 2-Chloronaphthalene	3.656	162	52428	121.723	ng/ml	100
15) 2,6-Dinitrotoluene	3.845	165	10389	105.619	ng/ml	93
16) Acenaphthylene	3.890	152	72865	119.189	ng/ml	99
18) Acenaphthene	3.990	153	54114	119.485	ng/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 12:15 pm
Operator : SV125:jjw
Sample : IL6,32,,100.0 ng/ml #10899
Misc : WG1994329,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 17:56:53 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:25 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.074	165	13884	105.061	ng/ml	89
20) Fluorene	4.279	166	59590	119.178	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.306	198	7434	102.574	ng/ml	94
24) Hexachlorobenzene	4.597	284	22809	121.089	ng/ml	99
25) Pentachlorophenol	4.707	266	5661	82.896	ng/ml	100
26) Phenanthrene	4.826	178	97902	120.587	ng/ml	97
27) Anthracene	4.855	178	93809	119.998	ng/ml	99
28) Fluoranthene	5.506	202	112706	120.869	ng/ml	99
29) Pyrene	5.636	202	116448	118.172	ng/ml	99
32) Benzo[a]anthracene	6.374	228	123349	120.430	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.358	252	37571	106.823	ng/ml	99
34) Chrysene	6.401	228	116815	131.527	ng/ml	99
35) Bis(2-ethylhexyl)phtha...	6.393	149	50435	99.252	ng/ml	96
37) Benzo[b]fluoranthene	7.255	252	114132	120.498	ng/ml	99
38) Benzo[k]fluoranthene	7.281	252	105972	122.424	ng/ml	99
39) Benzo[a]pyrene	7.578	252	92749	118.067	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.907	276	98921	117.251	ng/ml	99
41) Dibenzo[a,h]anthracene	8.940	278	94293M6	121.339	ng/ml	
42) Benzo[g,h,i]perylene	9.256	276	96424	117.630	ng/ml	99

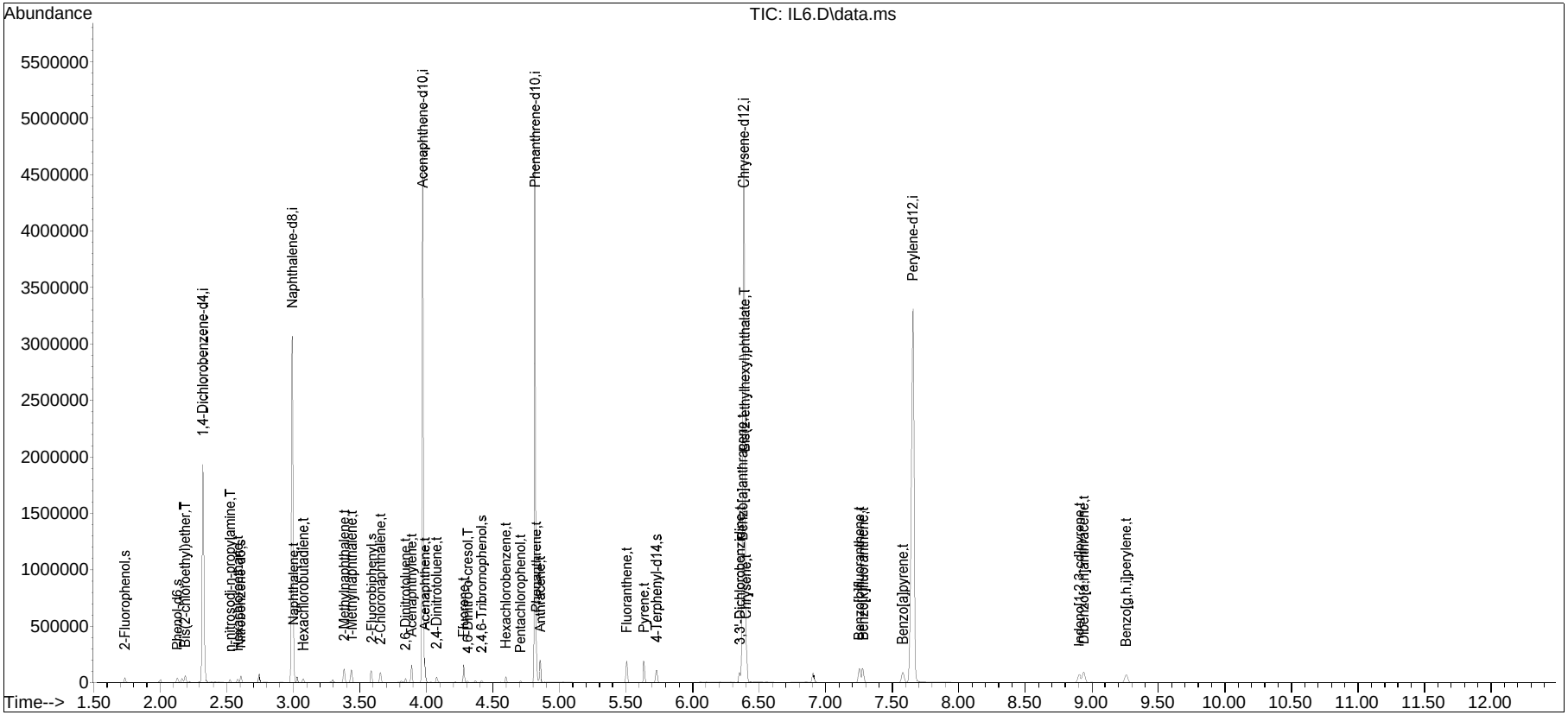
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL6.D
Acq On : 05 Nov 2024 12:15 pm
Operator : SV125:jjw
Sample : IL6,32,,100.0 ng/ml #10899
Misc : WG1994329,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 02 17:56:53 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:25 2024
Response via : Initial Calibration

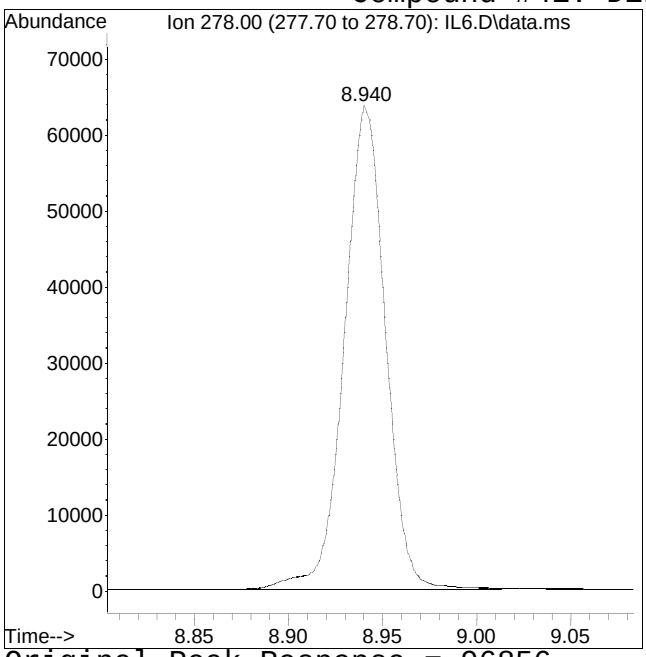
Sub List : Default - All compounds listedTical\IL8.D•



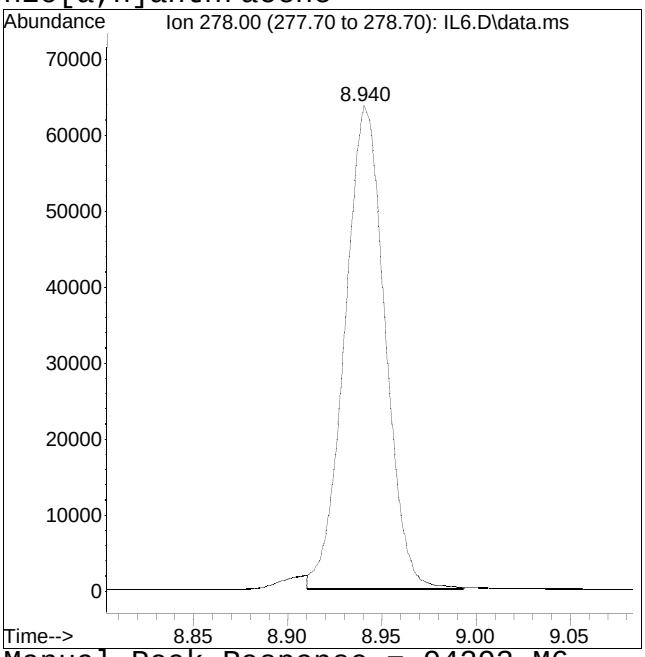
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL6.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:15 pm Instrument : SV125
Sample : IL6,32,,100.0 ng/ml #10899Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 96856



Manual Peak Response = 94293 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 12:31 pm
Operator : SV125:jjw
Sample : IL5,32,,40.0 ng/ml #10891
Misc : WG1994329,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 17:56:48 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.323	152	662287	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 93.30%			
8) Naphthalene-d8	2.990	136	2281179	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 91.71%			
17) Acenaphthene-d10	3.973	164	1411911	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 88.54%			
22) Phenanthrene-d10	4.815	188	2958344	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 91.49%			
31) Chrysene-d12	6.387	240	3121544	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 91.52%			
36) Perylene-d12	7.655	264	3402845	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 88.63%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.732	112	6878	38.650	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.93%#			
3) Phenol-d6	2.130	99	8223	36.509	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.83%#			
7) Nitrobenzene-d5	2.607	82	7234	37.725	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.77%#			
13) 2-Fluorobiphenyl	3.587	172	20145	39.698	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.97%#			
21) 2,4,6-Tribromophenol	4.415	330	2601	33.965	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.70%#			
30) 4-Terphenyl-d14	5.727	244	25568	37.484	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.75%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.186	93	7503	35.572	ng/ml	98
5) n-nitrosodi-n-propylamine	2.526	70	4732	36.894	ng/ml	98
6) Hexachloroethane	2.585	117	3216M6	38.628	ng/ml	
9) Naphthalene	3.001	128	23726	38.732	ng/ml	99
10) Hexachlorobutadiene	3.074	225	4918	39.268	ng/ml	99
11) 2-Methylnaphthalene	3.385	142	16089	38.956	ng/ml	100
12) 1-Methylnaphthalene	3.439	142	14989	38.848	ng/ml	100
14) 2-Chloronaphthalene	3.657	162	16823	38.894	ng/ml	99
15) 2,6-Dinitrotoluene	3.847	165	3148	31.870	ng/ml	92
16) Acenaphthylene	3.889	152	22839	37.202	ng/ml	100
18) Acenaphthene	3.989	153	17570	38.607	ng/ml	90

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 12:31 pm
Operator : SV125:jjw
Sample : IL5,32,,40.0 ng/ml #10891
Misc : WG1994329,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 17:56:48 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.075	165	3806	28.660	ng/ml#	83
20) Fluorene	4.279	166	18962	37.739	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.306	198	1908	43.086	ng/ml	95
24) Hexachlorobenzene	4.597	284	7422	39.127	ng/ml	98
25) Pentachlorophenol	4.707	266	1679	31.927	ng/ml	98
26) Phenanthrene	4.826	178	31186M6	38.144	ng/ml	
27) Anthracene	4.854	178	29736	37.772	ng/ml	99
28) Fluoranthene	5.507	202	35189	37.474	ng/ml	100
29) Pyrene	5.637	202	36415	36.696	ng/ml	99
32) Benzo[a]anthracene	6.378	228	44981	37.480	ng/ml	96
33) 3,3'-Dichlorobenzidine	6.357	252	10858	31.031	ng/ml	99
34) Chrysene	6.400	228	36906	41.769	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.392	149	15203	30.073	ng/ml#	82
37) Benzo[b]fluoranthene	7.255	252	34628	36.570	ng/ml	99
38) Benzo[k]fluoranthene	7.282	252	31725	36.661	ng/ml	99
39) Benzo[a]pyrene	7.578	252	27754	35.341	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.904	276	29251	34.681	ng/ml	100
41) Dibenzo[a,h]anthracene	8.941	278	27457M6	35.343	ng/ml	
42) Benzo[g,h,i]perylene	9.257	276	29248	35.691	ng/ml	99

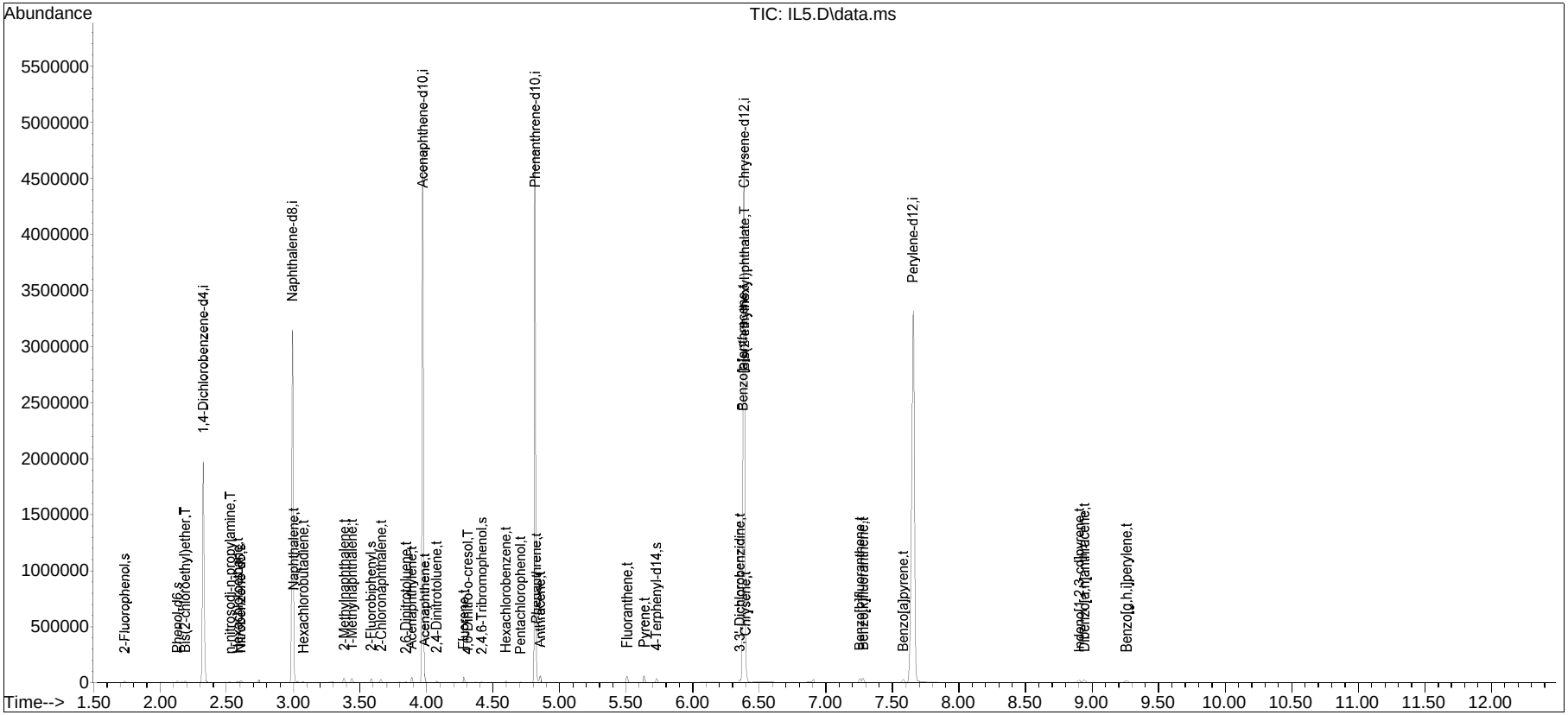
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL5.D
Acq On : 05 Nov 2024 12:31 pm
Operator : SV125:jjw
Sample : IL5,32,,40.0 ng/ml #10891
Misc : WG1994329,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 17:56:48 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:20 2024
Response via : Initial Calibration

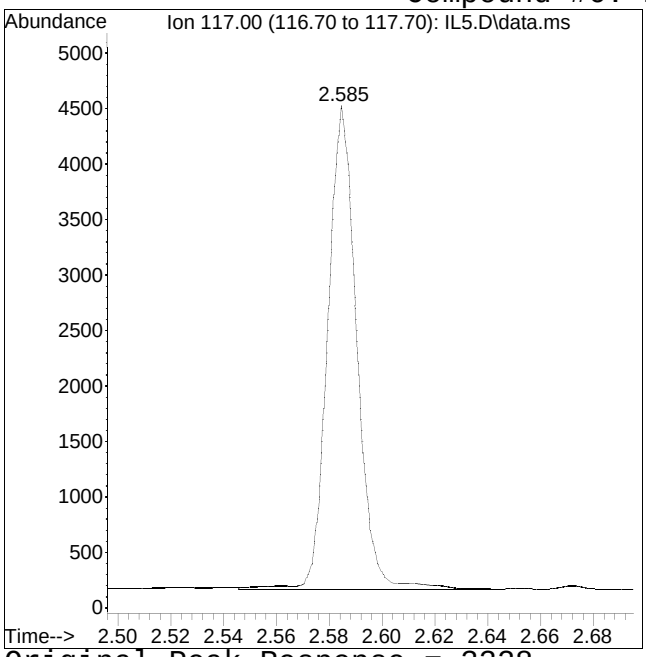
Sub List : Default - All compounds listedTical\IL8.D•



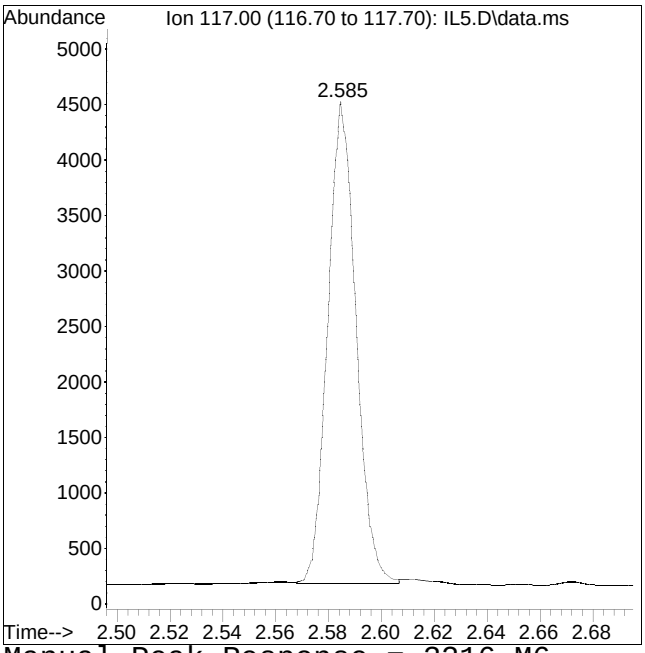
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL5.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:31 pm Instrument : SV125
Sample : IL5,32,,40.0 ng/ml #10891 Quant Date : 12/2/2024 5:58 pm

Compound #6: Hexachloroethane



Original Peak Response = 3328



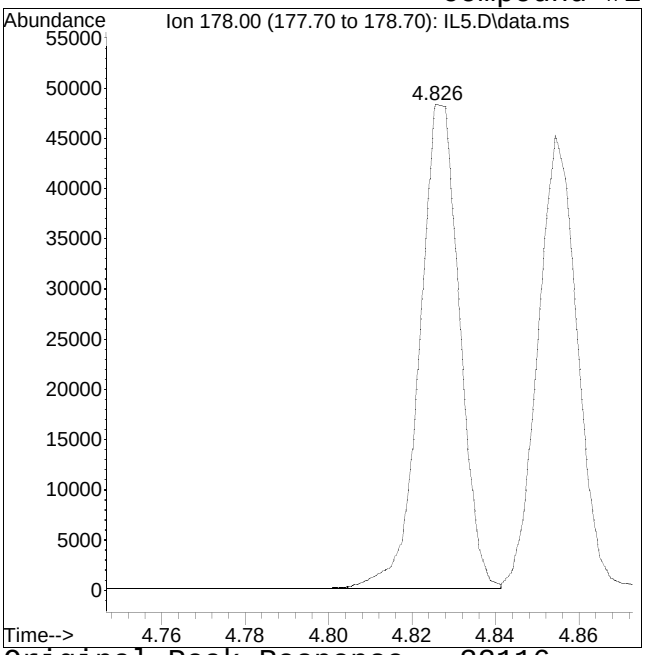
Manual Peak Response = 3216 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

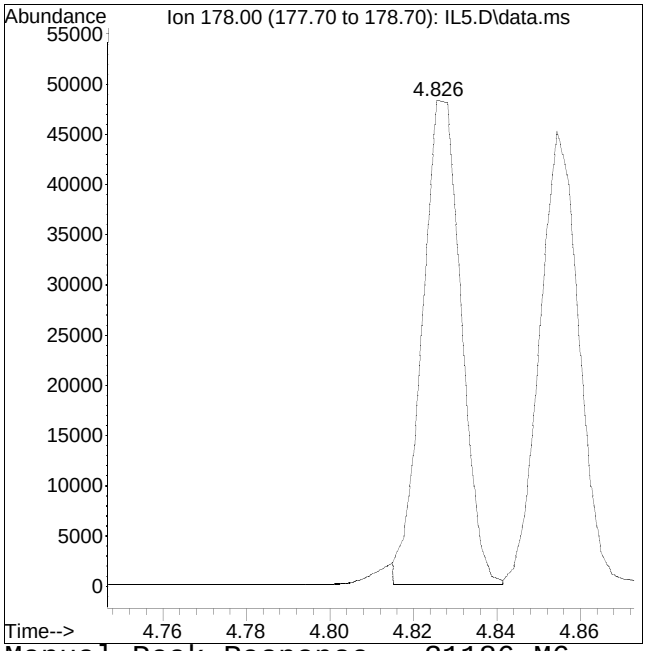
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL5.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:31 pm Instrument : SV125
Sample : IL5,32,,40.0 ng/ml #10891 Quant Date : 12/2/2024 5:58 pm

Compound #26: Phenanthrene



Original Peak Response = 32116



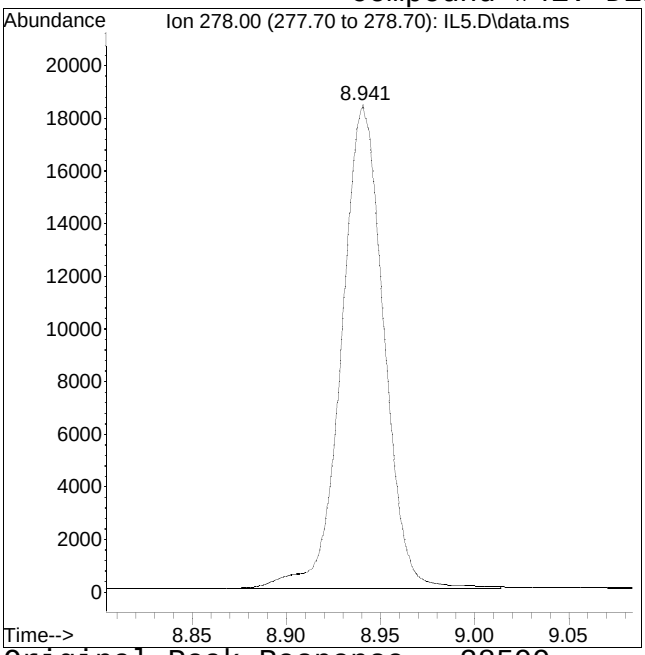
Manual Peak Response = 31186 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

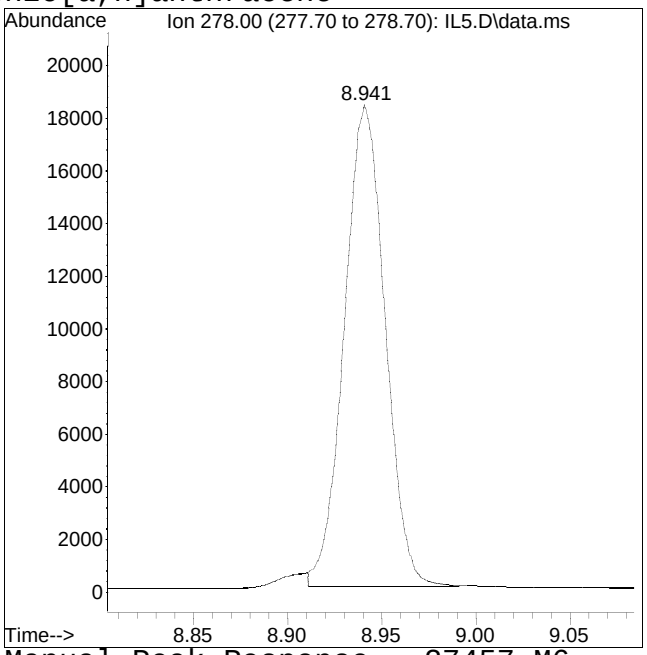
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL5.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:31 pm Instrument : SV125
Sample : IL5,32,,40.0 ng/ml #10891 Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 28599



Manual Peak Response = 27457 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 12:47 pm
Operator : SV125:jjw
Sample : IL4,32,,10.0 ng/ml #10892
Misc : WG1994329,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 18:13:26 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.322	152	567459	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 79.94%			
8) Naphthalene-d8	2.993	136	1972709	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 79.31%			
17) Acenaphthene-d10	3.973	164	1202651	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 75.42%			
22) Phenanthrene-d10	4.815	188	2572822	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 79.56%			
31) Chrysene-d12	6.385	240	2708956	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 79.43%			
36) Perylene-d12	7.651	264	2880815	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 75.03%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.730	112	1465	9.608	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.48%#			
3) Phenol-d6	2.129	99	1744	9.037	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.45%#			
7) Nitrobenzene-d5	2.606	82	1555	9.464	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.95%#			
13) 2-Fluorobiphenyl	3.590	172	4389	10.001	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.00%#			
21) 2,4,6-Tribromophenol	4.418	330	505	7.742	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.39%#			
30) 4-Terphenyl-d14	5.726	244	5441	9.172	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.92%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.185	93	1639M6	6.071	ng/ml	
5) n-nitrosodi-n-propylamine	2.526	70	994M4	9.045	ng/ml	
6) Hexachloroethane	2.584	117	734	10.290	ng/ml	99
9) Naphthalene	3.003	128	5266M6	9.941	ng/ml	
10) Hexachlorobutadiene	3.074	225	1053	9.722	ng/ml	99
11) 2-Methylnaphthalene	3.383	142	3409	9.545	ng/ml	99
12) 1-Methylnaphthalene	3.438	142	3233	9.690	ng/ml	99
14) 2-Chloronaphthalene	3.656	162	3581	9.574	ng/ml	96
15) 2,6-Dinitrotoluene	3.847	165	715M6	8.370	ng/ml	
16) Acenaphthylene	3.889	152	4841	9.119	ng/ml	99
18) Acenaphthene	3.989	153	3707M6	9.563	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 12:47 pm
Operator : SV125:jjw
Sample : IL4,32,,10.0 ng/ml #10892
Misc : WG1994329,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 18:13:26 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.075	165	763M4	6.745	ng/ml	
20) Fluorene	4.278	166	4156M6	9.711	ng/ml	
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.597	284	1576M6	9.553	ng/ml	
25) Pentachlorophenol	4.710	266	237	13.865	ng/ml	97
26) Phenanthrene	4.826	178	7142M1	10.044	ng/ml	
27) Anthracene	4.855	178	6190	9.041	ng/ml	98
28) Fluoranthene	5.506	202	7487	9.168	ng/ml	99
29) Pyrene	5.636	202	7851	9.097	ng/ml	100
32) Benzo[a]anthracene	6.382	228	15946	9.089	ng/ml#	88
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.401	228	7772	10.136	ng/ml	96
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	7.255	252	7024	8.762	ng/ml	96
38) Benzo[k]fluoranthene	7.278	252	6978	9.525	ng/ml	96
39) Benzo[a]pyrene	7.578	252	5736	8.627	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.904	276	6139	8.598	ng/ml	99
41) Dibenzo[a,h]anthracene	8.940	278	5654M6	8.597	ng/ml	
42) Benzo[g,h,i]perylene	9.257	276	6021	8.679	ng/ml	100

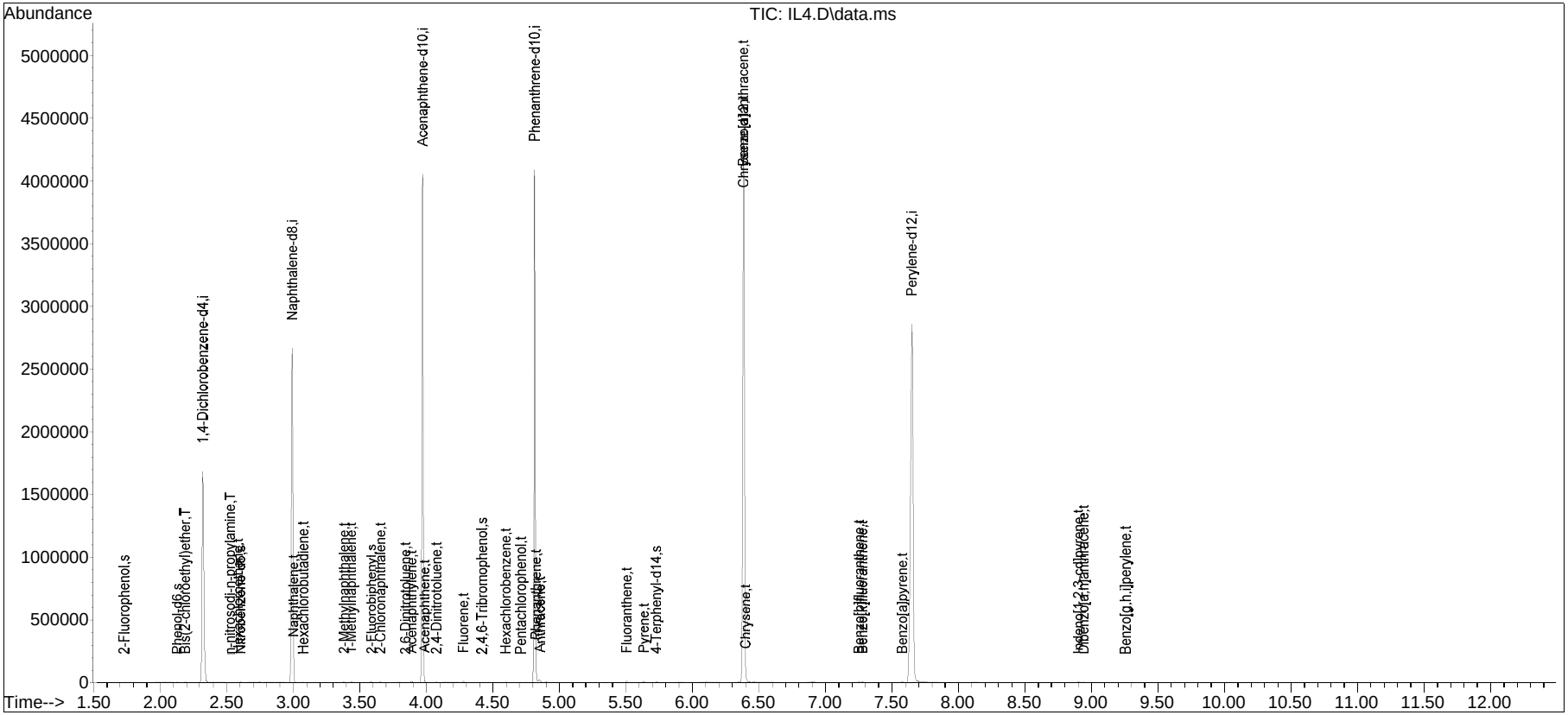
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL4.D
Acq On : 05 Nov 2024 12:47 pm
Operator : SV125:jjw
Sample : IL4,32,,10.0 ng/ml #10892
Misc : WG1994329,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 02 18:13:26 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:14 2024
Response via : Initial Calibration

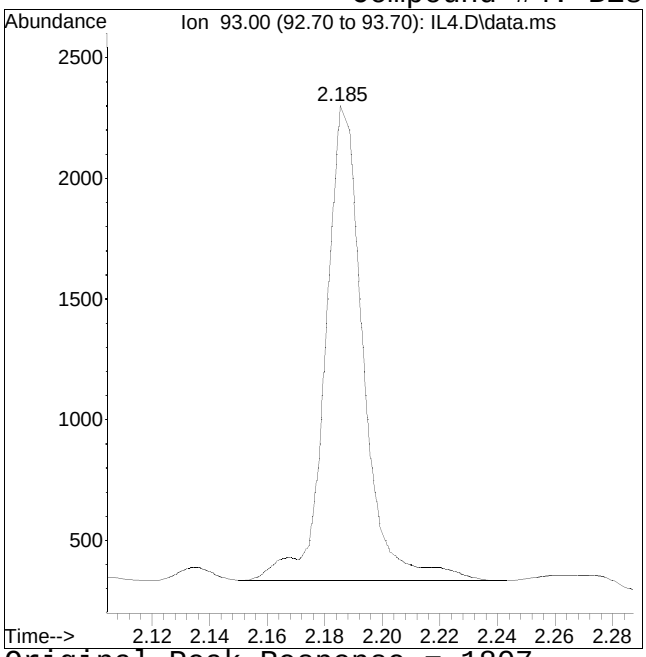
Sub List : Default - All compounds listedTical\IL8.D•



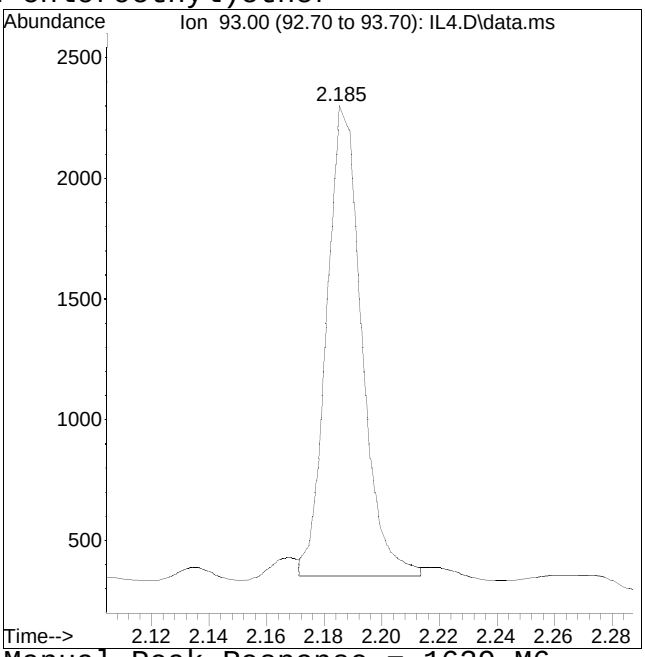
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #4: Bis(2-chloroethyl)ether



Original Peak Response = 1807



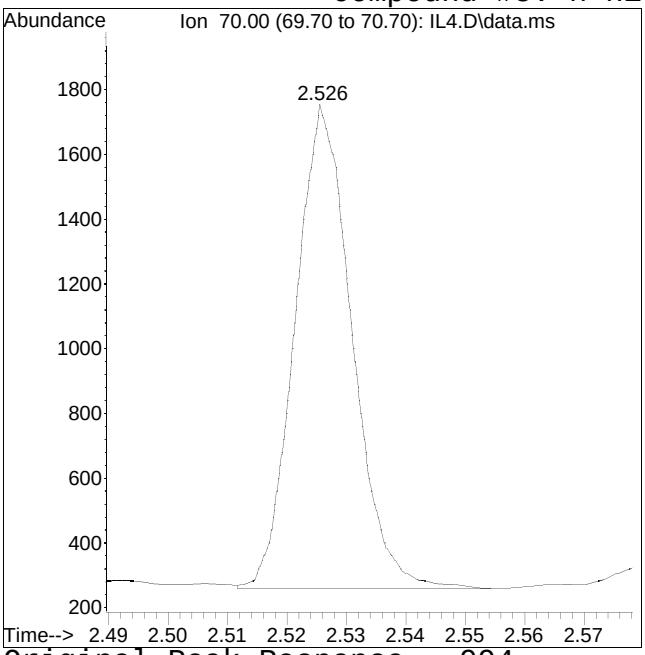
Manual Peak Response = 1639 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

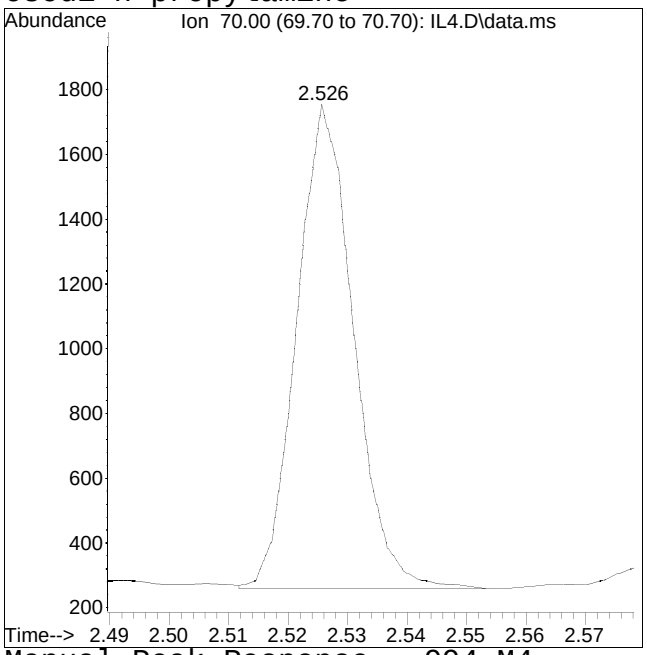
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #5: n-nitrosodi-n-propylamine



Original Peak Response = 994



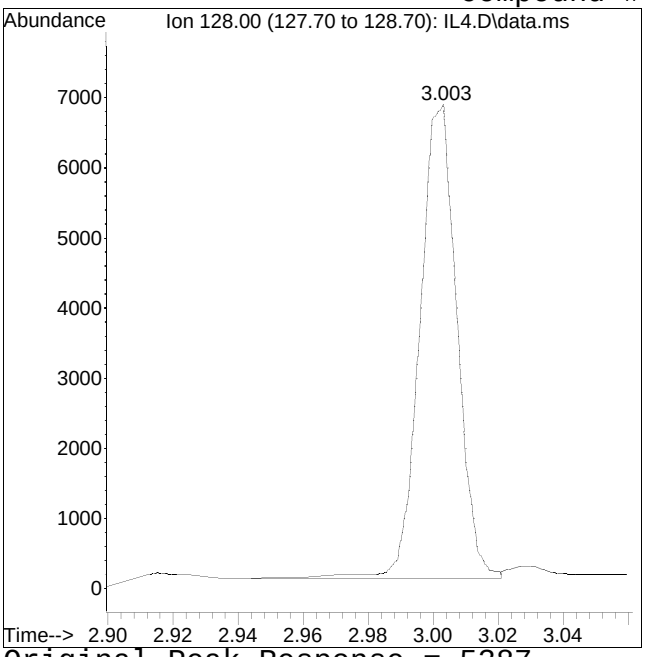
Manual Peak Response = 994 M4

M4 = Poor automated baseline construction.

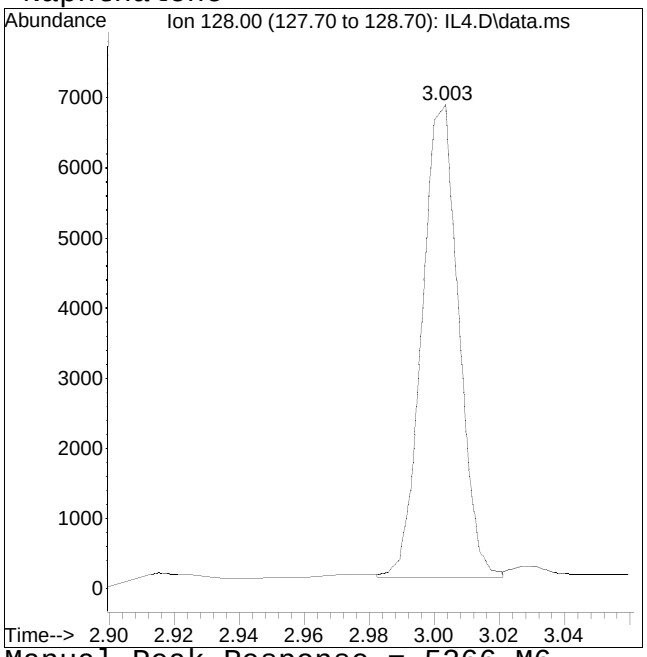
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #9: Naphthalene



Original Peak Response = 5387



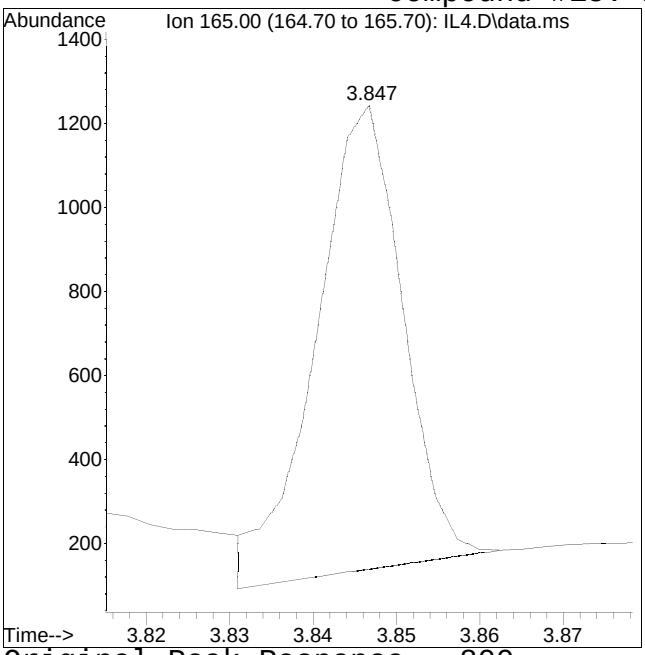
Manual Peak Response = 5266 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

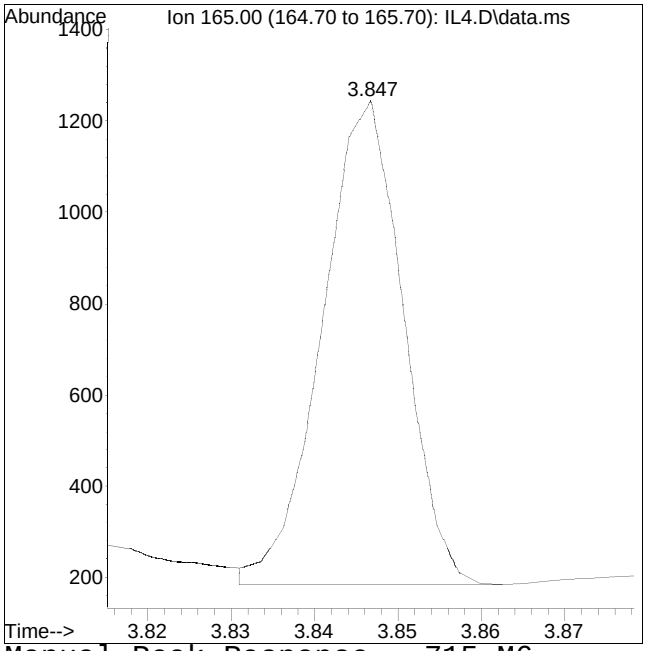
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 800



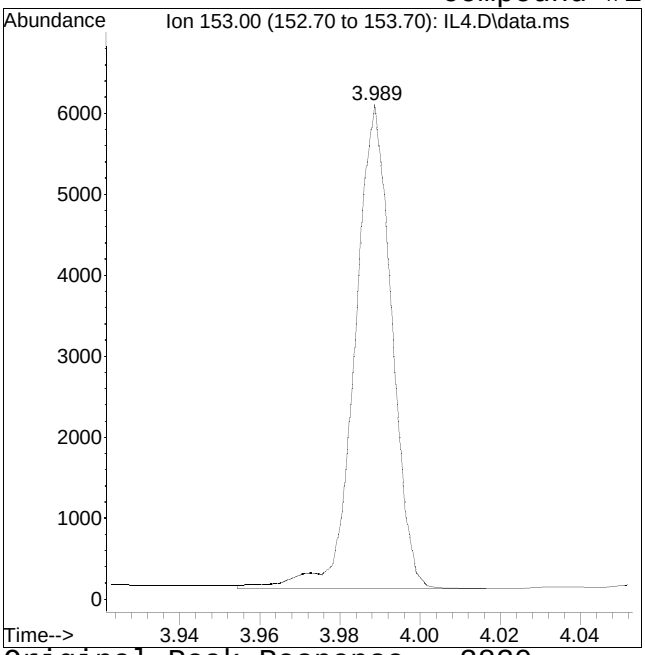
Manual Peak Response = 715 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

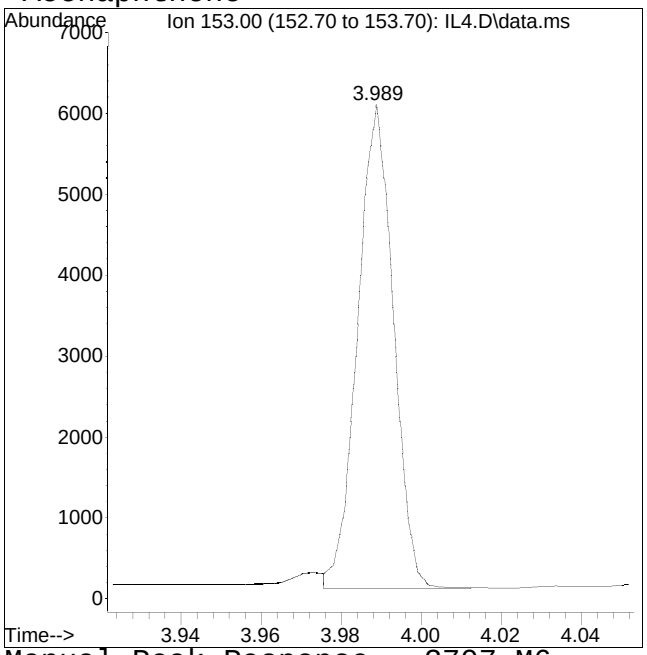
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #18: Acenaphthene



Original Peak Response = 3830



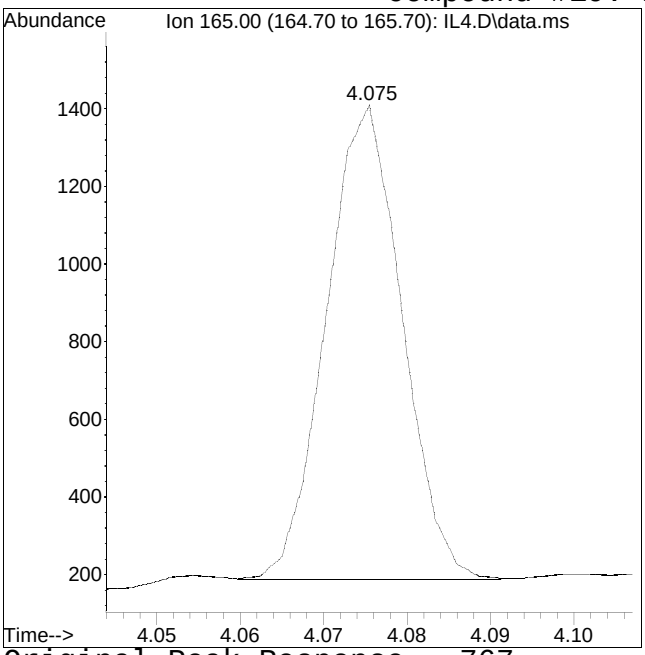
Manual Peak Response = 3707 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

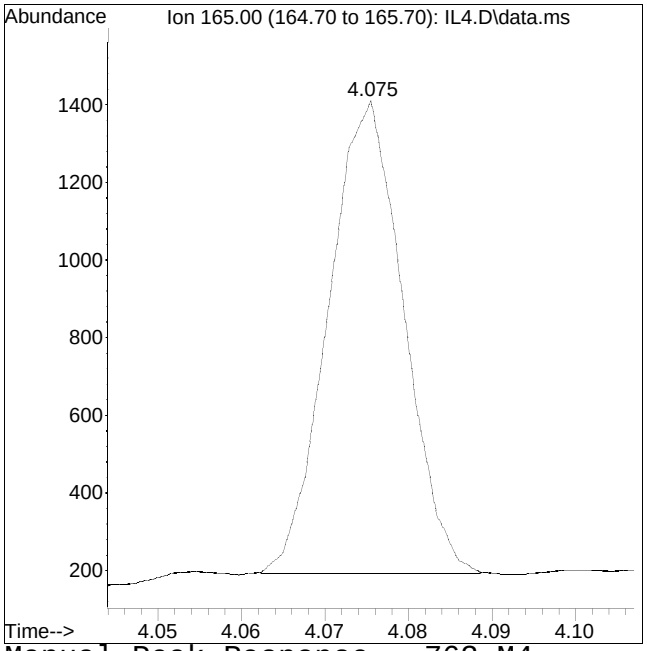
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #19: 2,4-Dinitrotoluene



Original Peak Response = 767



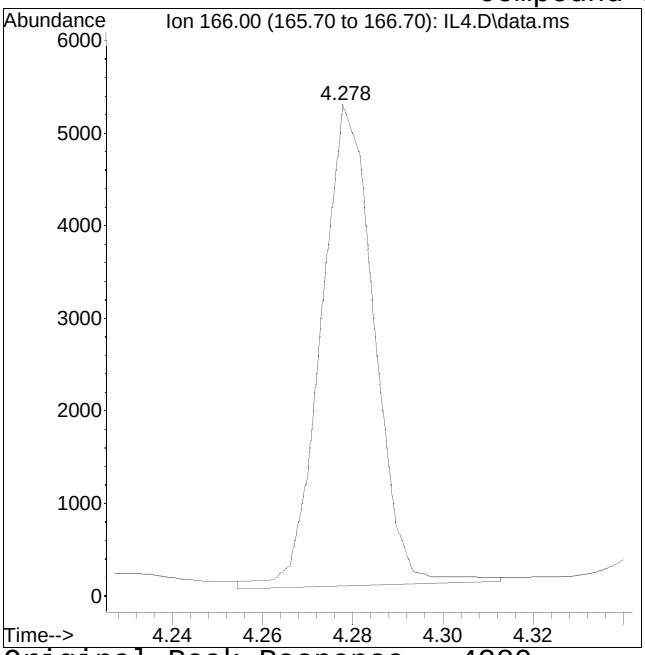
Manual Peak Response = 763 M4

M4 = Poor automated baseline construction.

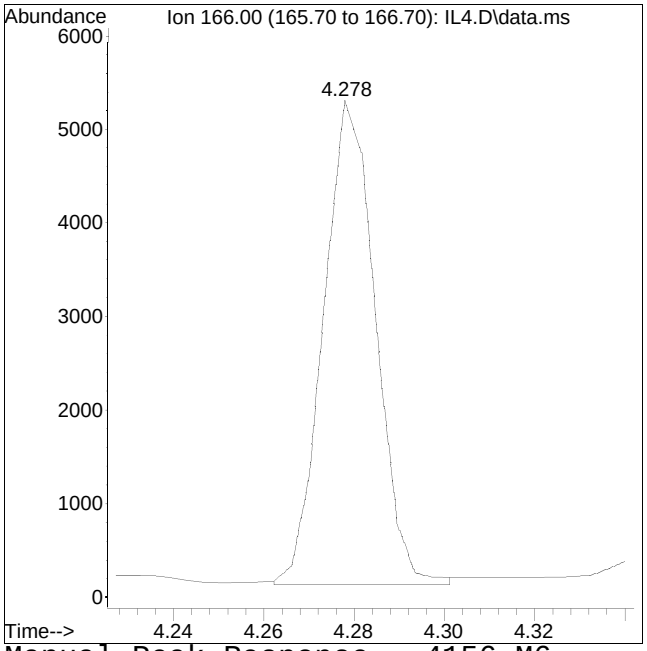
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #20: Fluorene



Original Peak Response = 4280



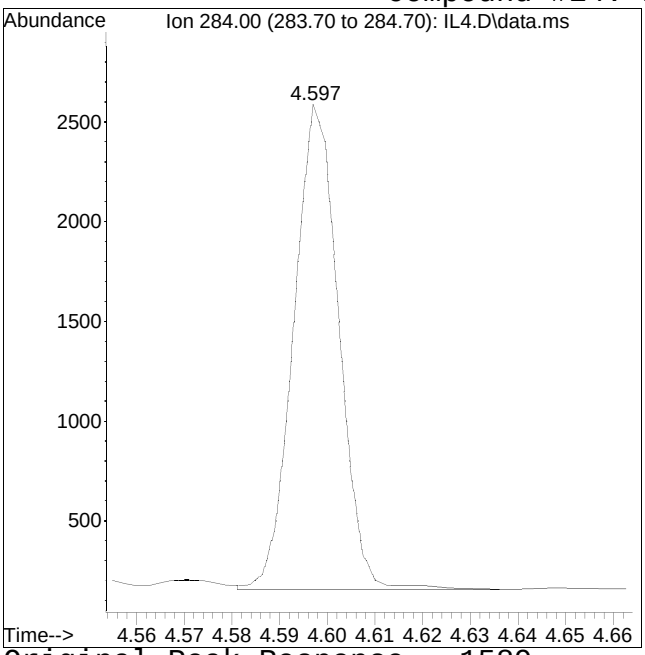
Manual Peak Response = 4156 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

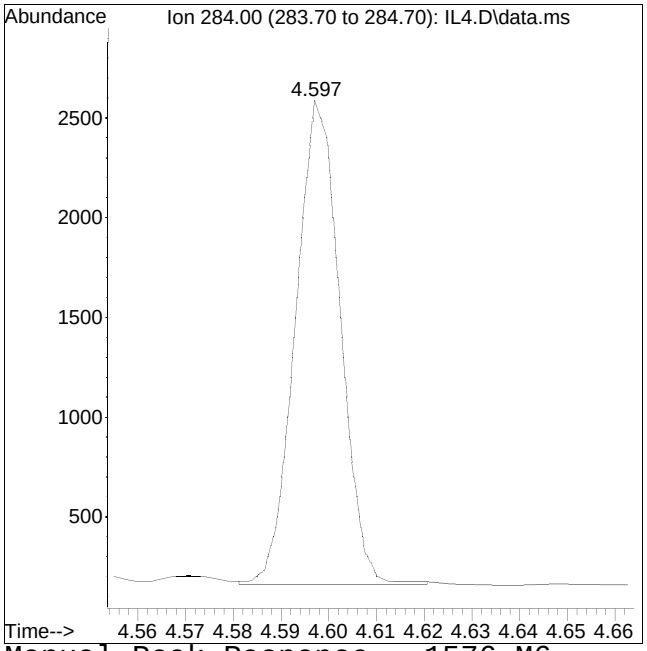
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #24: Hexachlorobenzene



Original Peak Response = 1589



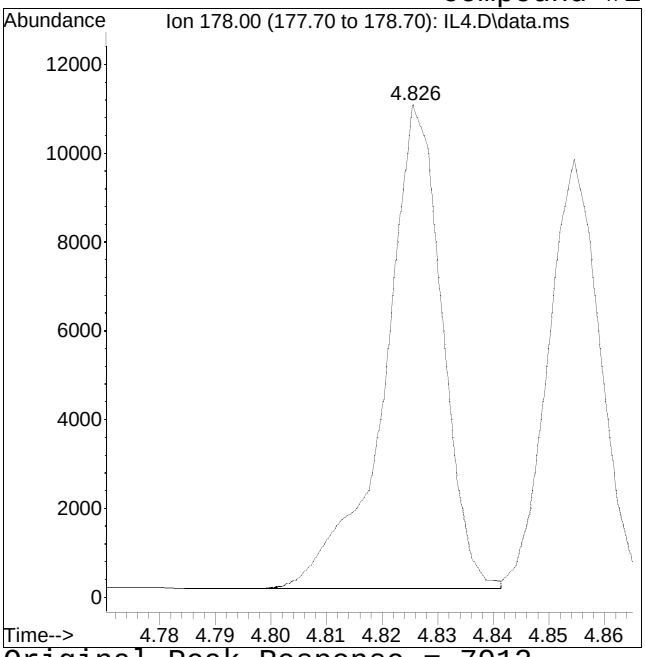
Manual Peak Response = 1576 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

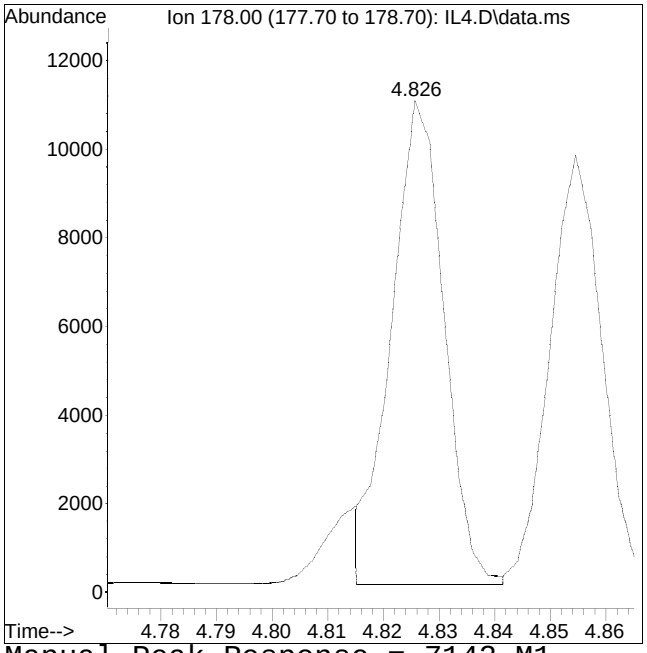
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #26: Phenanthrene



Original Peak Response = 7912



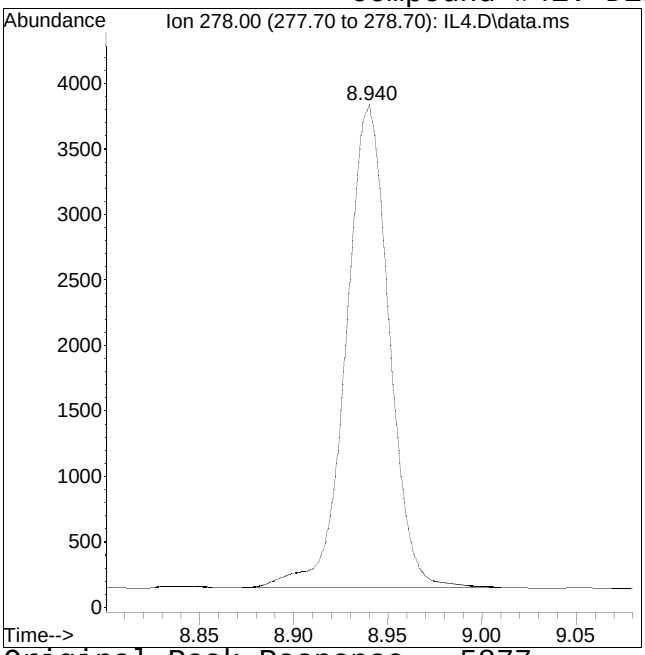
Manual Peak Response = 7142 M1

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

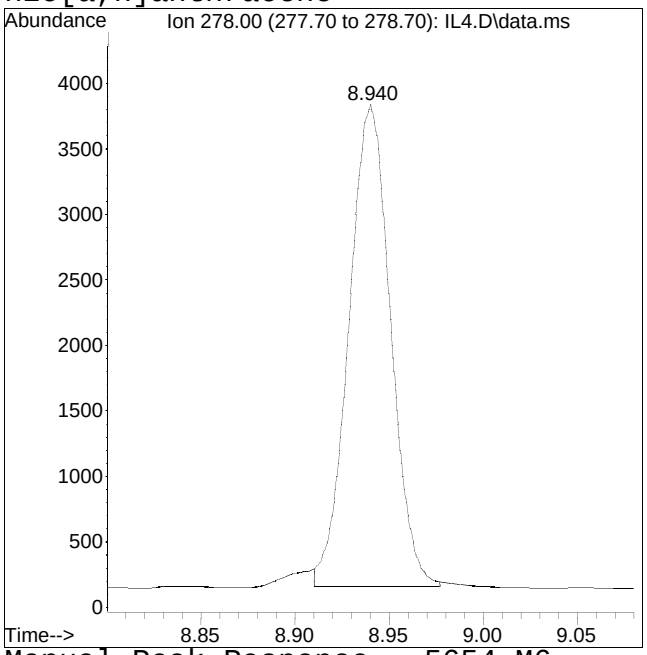
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL4.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 12:47 pm Instrument : SV125
Sample : IL4,32,,10.0 ng/ml #10892 Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 5877



Manual Peak Response = 5654 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 01:03 pm
Operator : SV125:jjw
Sample : IL3,32,,5.0 ng/ml #10893
Misc : WG1994329,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 18:13:34 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:08 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.323	152	625568	4000.000 ng/ml	0.00
Standard Area 1 = 709882			Recovery	= 88.12%	
8) Naphthalene-d8	2.993	136	2162526	4000.000 ng/ml	0.00
Standard Area 1 = 2487386			Recovery	= 86.94%	
17) Acenaphthene-d10	3.973	164	1321252	4000.000 ng/ml	0.00
Standard Area 1 = 1594573			Recovery	= 82.86%	
22) Phenanthrene-d10	4.815	188	2812469	4000.000 ng/ml	0.00
Standard Area 1 = 3233659			Recovery	= 86.97%	
31) Chrysene-d12	6.384	240	2983878	4000.000 ng/ml	0.00
Standard Area 1 = 3410692			Recovery	= 87.49%	
36) Perylene-d12	7.652	264	3162161	4000.000 ng/ml	0.00
Standard Area 1 = 3839395			Recovery	= 82.36%	
System Monitoring Compounds					
2) 2-Fluorophenol	1.732	112	844M6	5.021 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.25%#	
3) Phenol-d6	2.129	99	1120	5.265 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.26%#	
7) Nitrobenzene-d5	2.606	82	854	4.715 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.47%#	
13) 2-Fluorobiphenyl	3.590	172	2434	5.060 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.51%#	
21) 2,4,6-Tribromophenol	4.414	330	275M6	3.838 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.19%#	
30) 4-Terphenyl-d14	5.726	244	3153	4.862 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.49%#	
Target Compounds					Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D. d	
5) n-nitrosodi-n-propylamine	2.526	70	595	4.911 ng/ml#	86
6) Hexachloroethane	2.584	117	394	5.010 ng/ml	97
9) Naphthalene	3.003	128	2890	4.977 ng/ml#	92
10) Hexachlorobutadiene	3.074	225	610	5.138 ng/ml	99
11) 2-Methylnaphthalene	3.384	142	1939	4.952 ng/ml	99
12) 1-Methylnaphthalene	3.438	142	1767	4.831 ng/ml	97
14) 2-Chloronaphthalene	3.656	162	2048	4.995 ng/ml	98
15) 2,6-Dinitrotoluene	0.000		0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 01:03 pm
Operator : SV125:jjw
Sample : IL3,32,,5.0 ng/ml #10893
Misc : WG1994329,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 18:13:34 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:08 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
16) Acenaphthylene	3.889	152	2738	4.705	ng/ml	99
18) Acenaphthene	3.989	153	2120M6	4.978	ng/ml	
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.278	166	2288M6	4.866	ng/ml	
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.597	284	886M6	4.913	ng/ml	
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.826	178	3893M6	5.009	ng/ml	
27) Anthracene	4.855	178	3709	4.956	ng/ml	98
28) Fluoranthene	5.506	202	4373	4.899	ng/ml	100
29) Pyrene	5.636	202	4539	4.811	ng/ml	99
32) Benzo[a]anthracene	6.384	228	14171M6	5.301	ng/ml	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.400	228	3754	4.445	ng/ml#	85
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	7.252	252	4306	4.894	ng/ml	95
38) Benzo[k]fluoranthene	7.279	252	3717	4.622	ng/ml	98
39) Benzo[a]pyrene	7.579	252	3273	4.485	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.902	276	3554	4.535	ng/ml	98
41) Dibenzo[a,h]anthracene	8.941	278	3222M6	4.463	ng/ml	
42) Benzo[g,h,i]perylene	9.254	276	3397	4.461	ng/ml	100

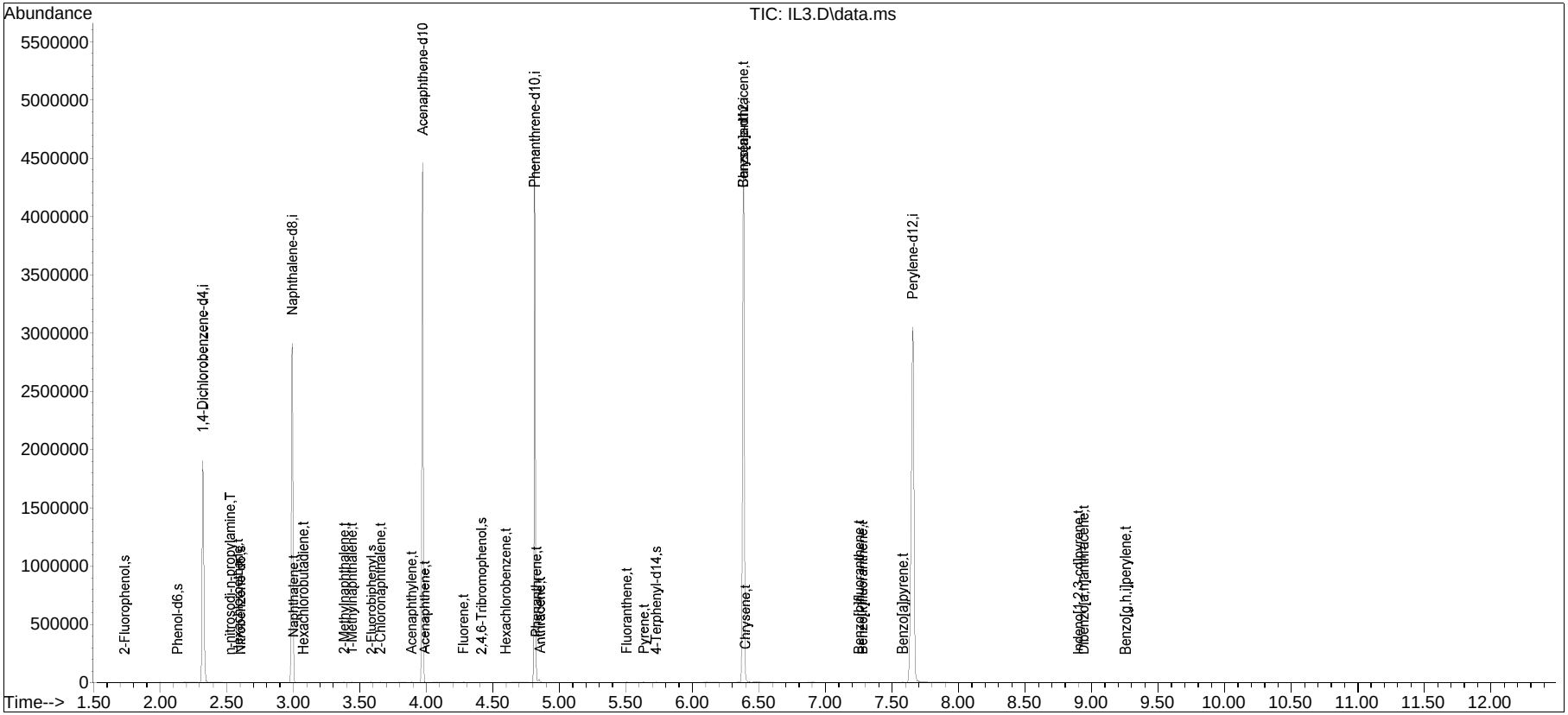
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL3.D
Acq On : 05 Nov 2024 01:03 pm
Operator : SV125:jjw
Sample : IL3,32,,5.0 ng/ml #10893
Misc : WG1994329,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 02 18:13:34 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:08 2024
Response via : Initial Calibration

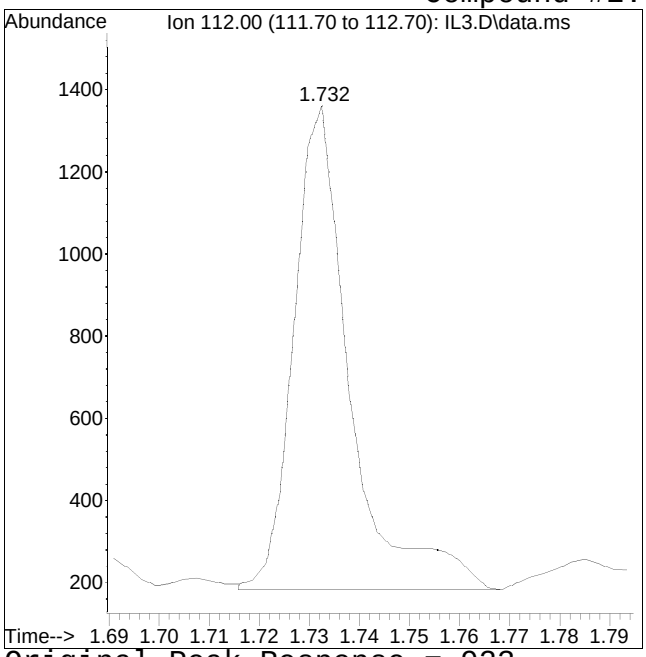
Sub List : Default - All compounds listedTical\IL8.D•



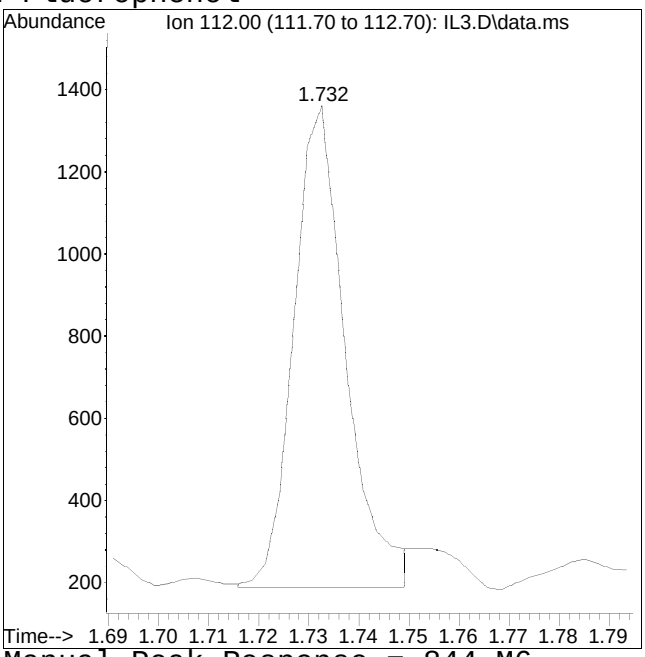
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL3.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:03 pm Instrument : SV125
Sample : IL3,32,,5.0 ng/ml #10893 Quant Date : 12/2/2024 5:58 pm

Compound #2: 2-Fluorophenol



Original Peak Response = 923



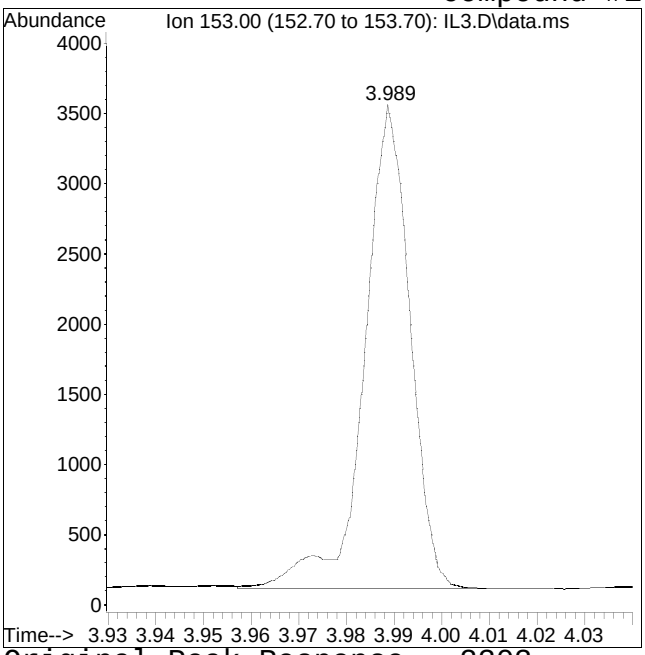
Manual Peak Response = 844 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

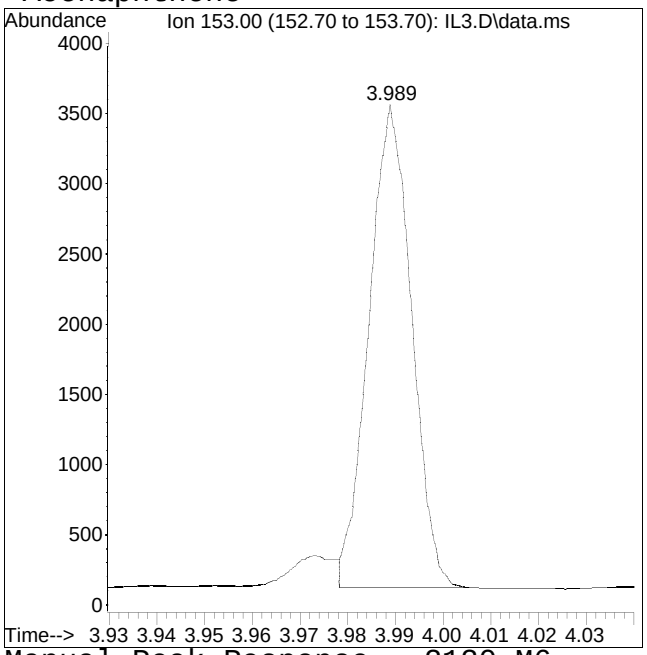
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL3.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:03 pm Instrument : SV125
Sample : IL3,32,,5.0 ng/ml #10893 Quant Date : 12/2/2024 5:58 pm

Compound #18: Acenaphthene



Original Peak Response = 2303



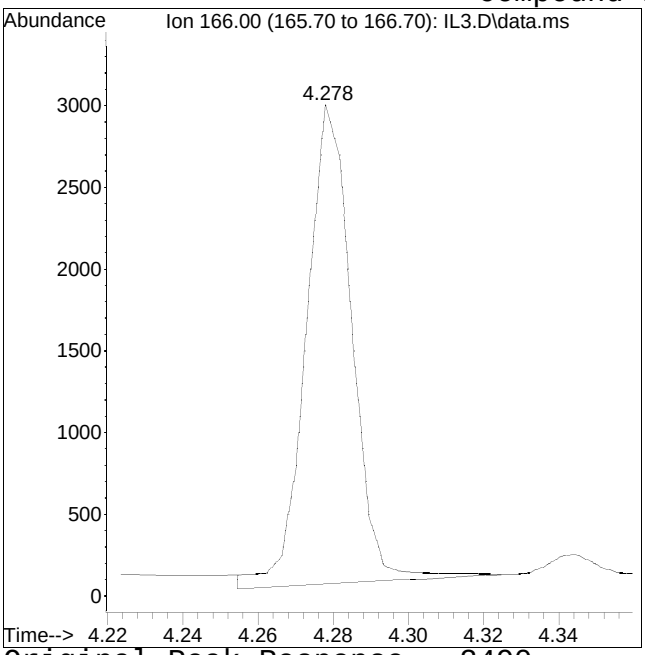
Manual Peak Response = 2120 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

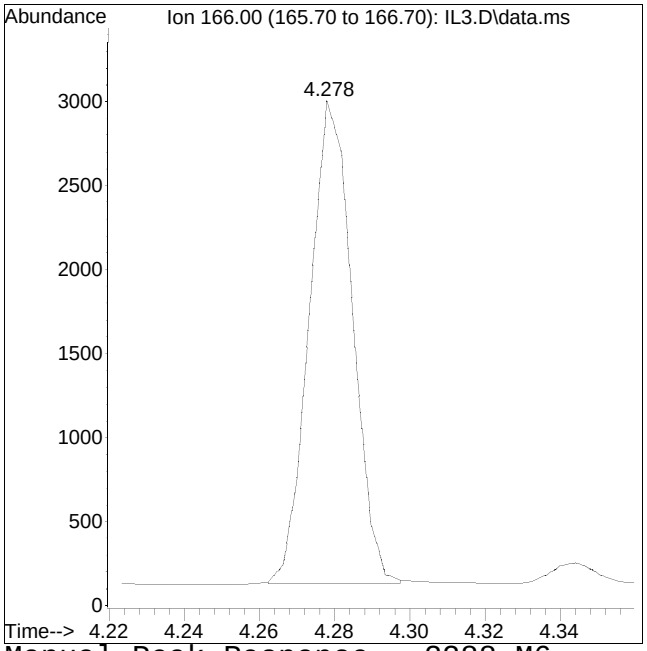
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL3.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:03 pm Instrument : SV125
Sample : IL3,32,,5.0 ng/ml #10893 Quant Date : 12/2/2024 5:58 pm

Compound #20: Fluorene



Original Peak Response = 2490



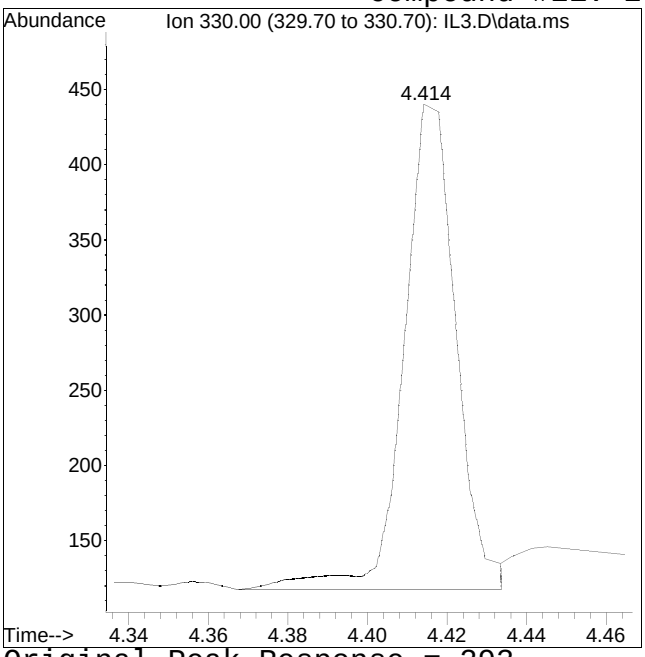
Manual Peak Response = 2288 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

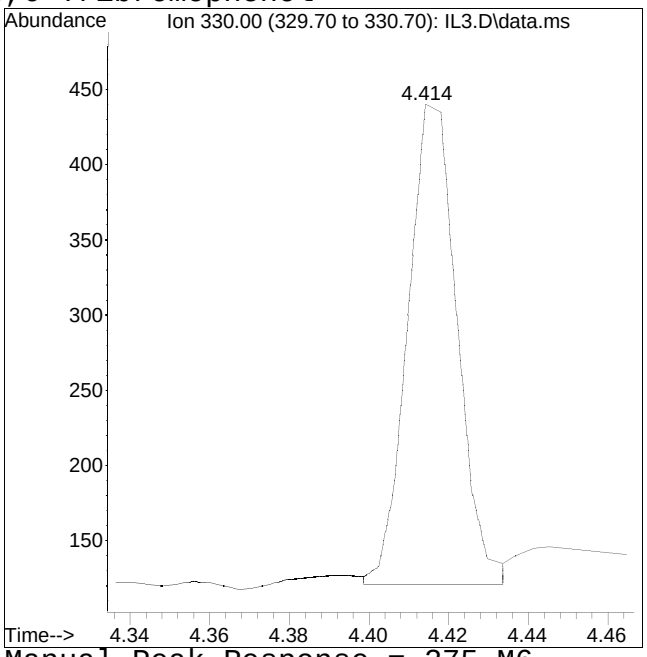
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQ
Data File : IL3.D
Date Inj'd : 11/5/2024 1:03 pm
Sample : IL3,32,,5.0 ng/ml #10893
Method : SIM-RVT_241105n_sv125.M
Operator : SV125:jjw
Instrument : SV125
Quant Date : 12/2/2024 5:58 pm

Compound #21: 2,4,6-Tribromophenol



Original Peak Response = 293



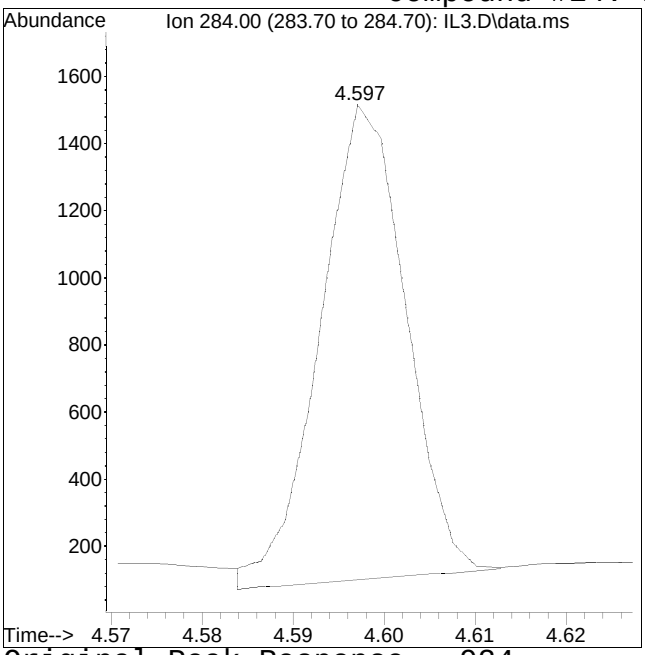
Manual Peak Response = 275 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

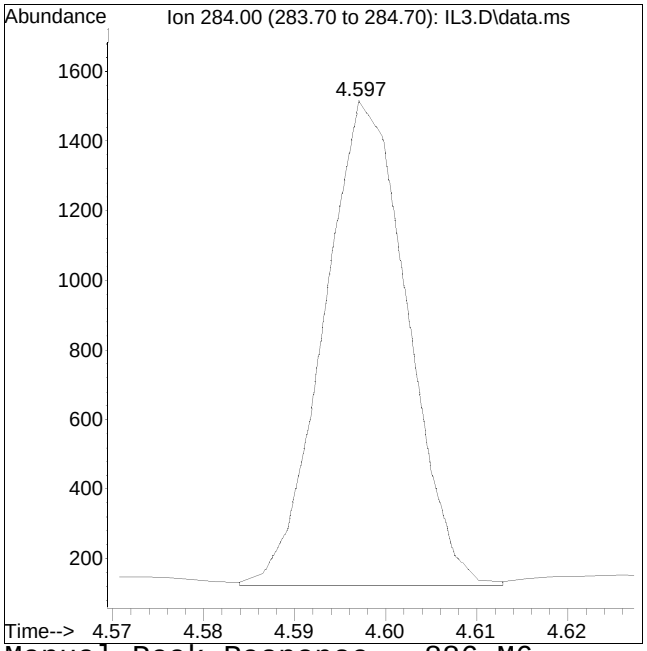
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL3.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:03 pm Instrument : SV125
Sample : IL3,32,,5.0 ng/ml #10893 Quant Date : 12/2/2024 5:58 pm

Compound #24: Hexachlorobenzene



Original Peak Response = 924



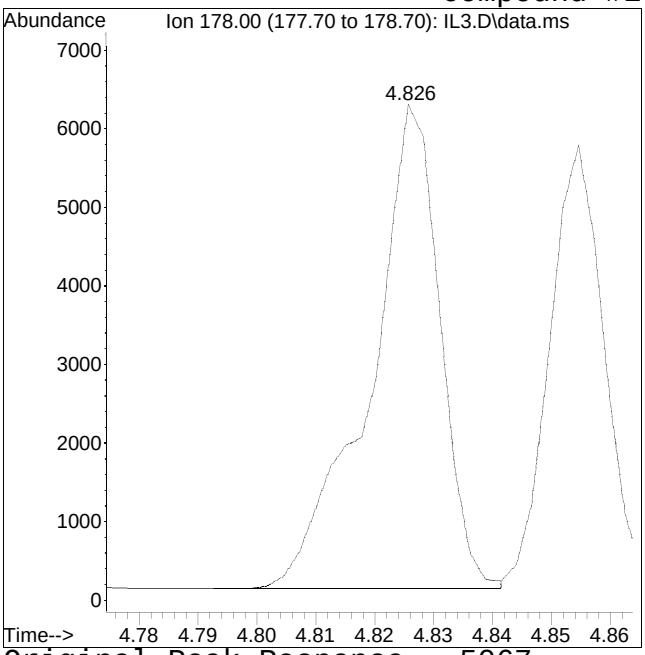
Manual Peak Response = 886 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

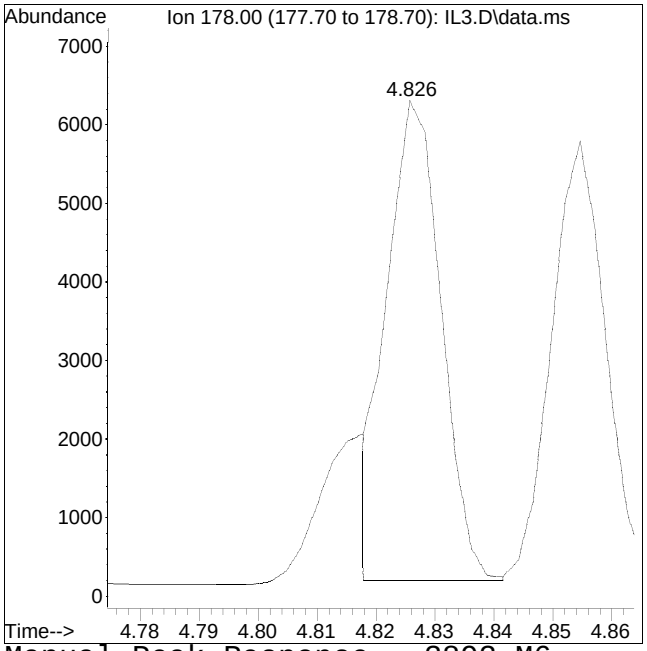
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL3.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:03 pm Instrument : SV125
Sample : IL3,32,,5.0 ng/ml #10893 Quant Date : 12/2/2024 5:58 pm

Compound #26: Phenanthrene



Original Peak Response = 5067



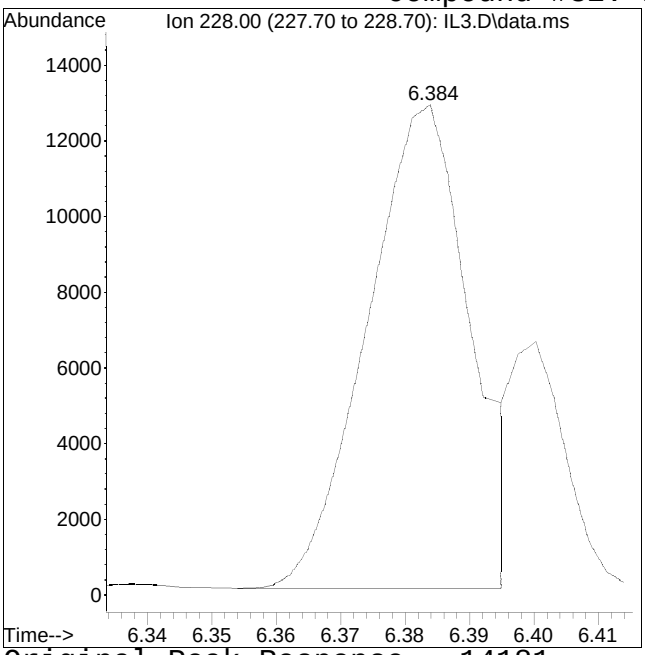
Manual Peak Response = 3893 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

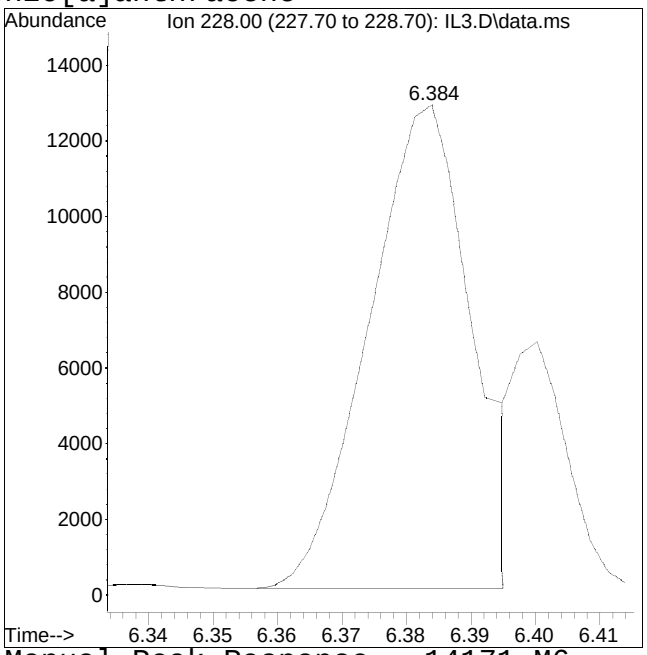
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL3.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:03 pm Instrument : SV125
Sample : IL3,32,,5.0 ng/ml #10893 Quant Date : 12/2/2024 5:58 pm

Compound #32: Benzo[a]anthracene



Original Peak Response = 14181



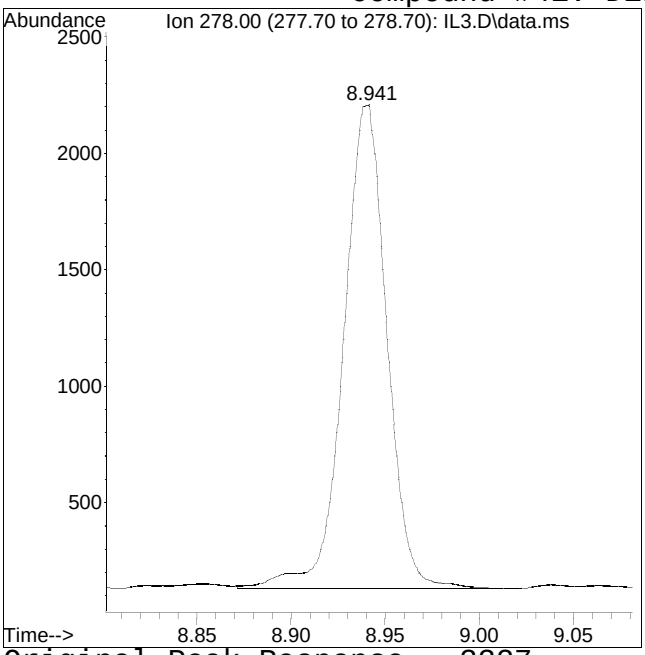
Manual Peak Response = 14171 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

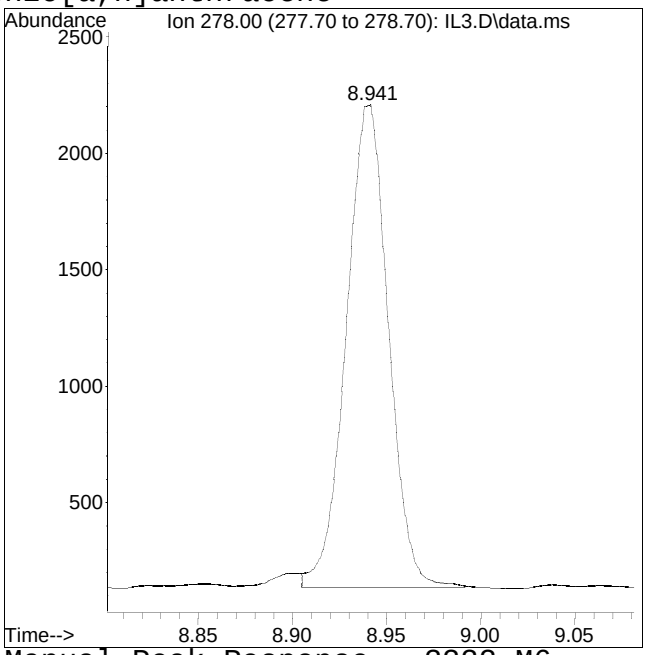
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL3.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:03 pm Instrument : SV125
Sample : IL3,32,,5.0 ng/ml #10893 Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 3327



Manual Peak Response = 3222 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 01:20 pm
Operator : SV125:jjw
Sample : IL2,32,,2.0 ng/ml #10900
Misc : WG1994329,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 02 18:13:42 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:02 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.323	152	536364	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery	= 75.56%		
8) Naphthalene-d8	2.990	136	1878295	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery	= 75.51%		
17) Acenaphthene-d10	3.973	164	1142017	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery	= 71.62%		
22) Phenanthrene-d10	4.813	188	2399632	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery	= 74.21%		
31) Chrysene-d12	6.385	240	2485907	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery	= 72.89%		
36) Perylene-d12	7.650	264	2721761	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery	= 70.89%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.730	112	314	2.179	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.11%#		
3) Phenol-d6	2.126	99	458	2.511	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.13%#		
7) Nitrobenzene-d5	2.607	82	295	1.900	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.19%#		
13) 2-Fluorobiphenyl	3.587	172	882	2.111	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.21%#		
21) 2,4,6-Tribromophenol	4.416	330	109M2	1.760	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.09%#		
30) 4-Terphenyl-d14	5.728	244	1233	2.229	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.22%#		
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
5) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	3.001	128	1195	2.369	ng/ml#	73
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	3.384	142	702	2.064	ng/ml	99
12) 1-Methylnaphthalene	3.439	142	673	2.118	ng/ml	98
14) 2-Chloronaphthalene	3.657	162	751	2.109	ng/ml	96
15) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
16) Acenaphthylene	3.888	152	1019M6	2.016	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 01:20 pm
Operator : SV125:jjw
Sample : IL2,32,,2.0 ng/ml #10900
Misc : WG1994329,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 02 18:13:42 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:02 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.988	153	803	2.181	ng/ml#	74
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.280	166	864M6	2.126	ng/ml	
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	4.598	284	347	2.255	ng/ml	90
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.826	178	1497M6	2.257	ng/ml	
27) Anthracene	4.855	178	1355	2.122	ng/ml	96
28) Fluoranthene	5.504	202	1637	2.149	ng/ml#	87
29) Pyrene	5.638	202	1726	2.144	ng/ml	94
32) Benzo[a]anthracene	6.382	228	9271M6	1.904	ng/ml	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.398	228	1234M3	1.754	ng/ml	
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	7.254	252	1527	2.016	ng/ml	99
38) Benzo[k]fluoranthene	7.277	252	1258	1.818	ng/ml	99
39) Benzo[a]pyrene	7.577	252	1153	1.836	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	8.903	276	1249	1.851	ng/ml	99
41) Dibenzo[a,h]anthracene	8.940	278	1145M6	1.843	ng/ml	
42) Benzo[g,h,i]perylene	9.256	276	1256	1.916	ng/ml	100

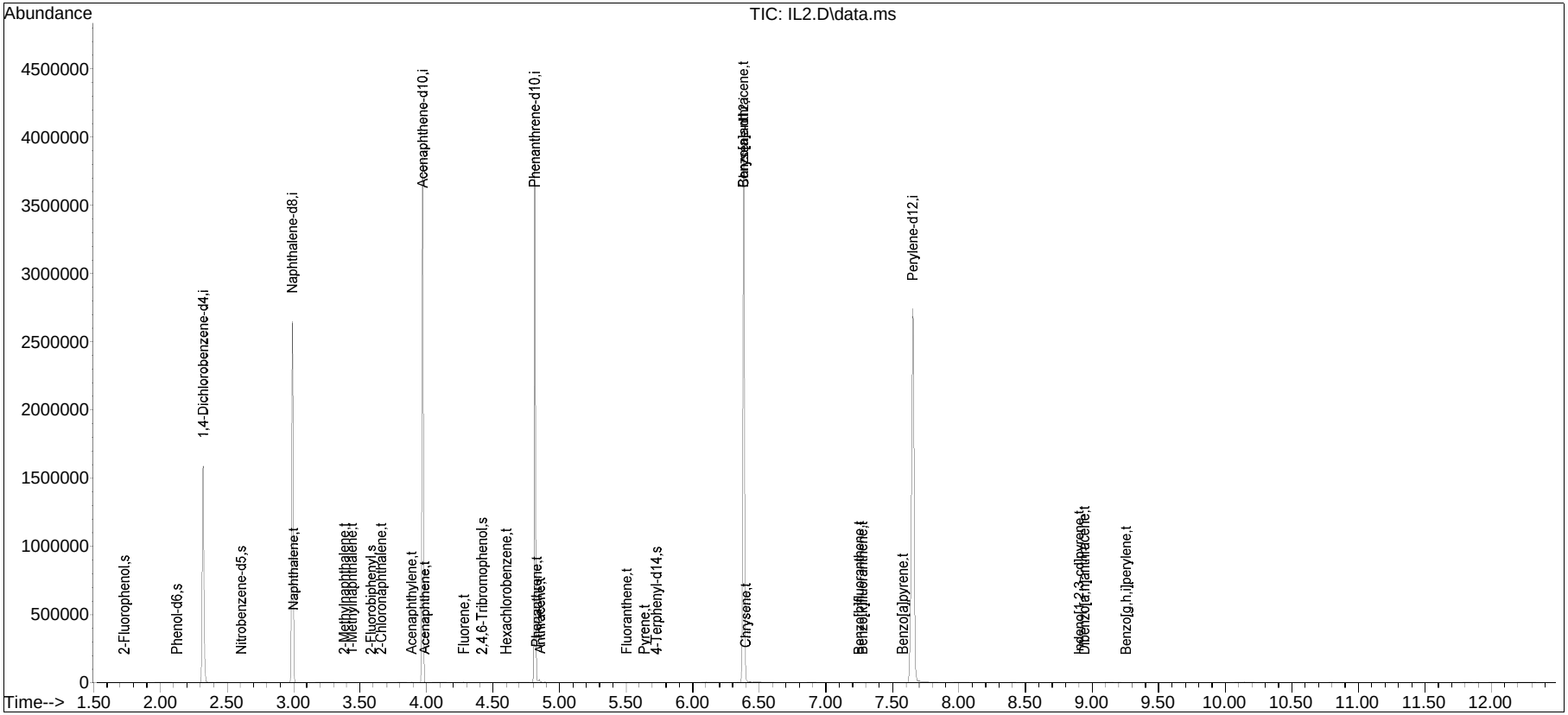
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL2.D
Acq On : 05 Nov 2024 01:20 pm
Operator : SV125:jjw
Sample : IL2,32,,2.0 ng/ml #10900
Misc : WG1994329,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 02 18:13:42 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:58:02 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedTical\IL8.D•

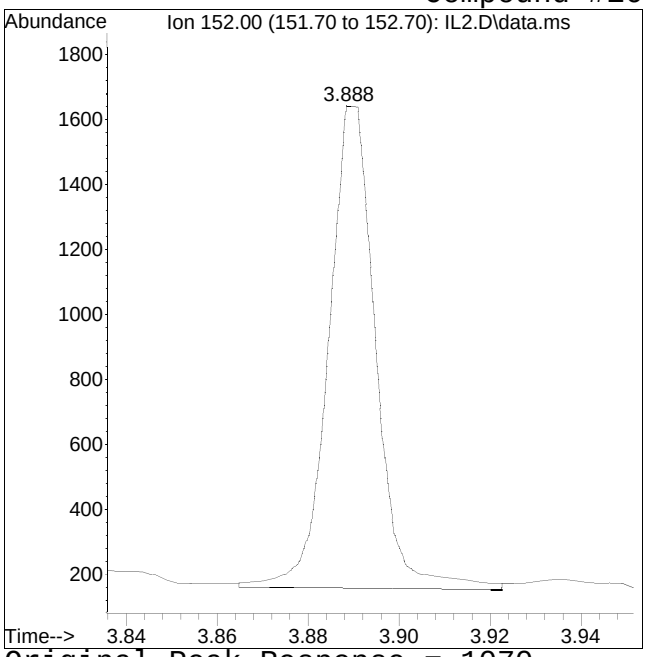


Manual Integration Report

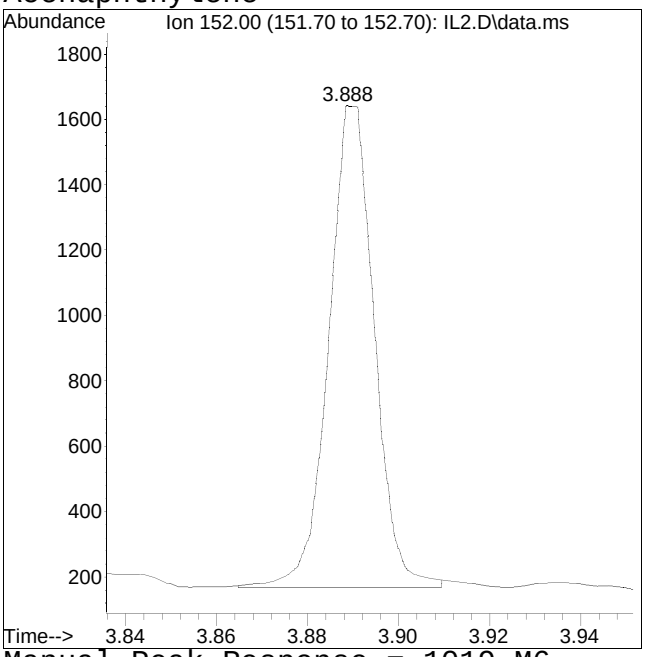
Data Path : I:\8270SIM\SV125\241105nRVQ
Data File : IL2.D
Date Inj'd : 11/5/2024 1:20 pm
Sample : IL2,32,,2.0 ng/ml #10900

Method : SIM-RVT_241105n_sv125.M
Operator : SV125:jjw
Instrument : SV125
Quant Date : 12/2/2024 5:58 pm

Compound #16: Acenaphthylene



Original Peak Response = 1070



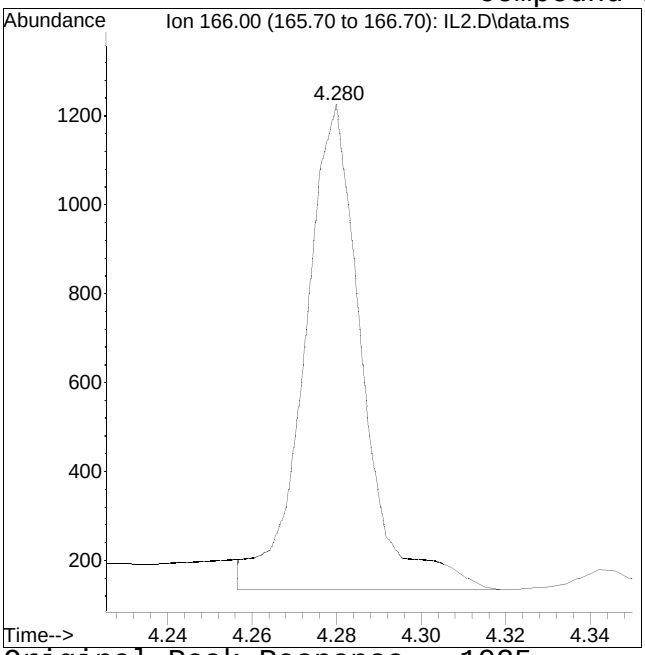
Manual Peak Response = 1019 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

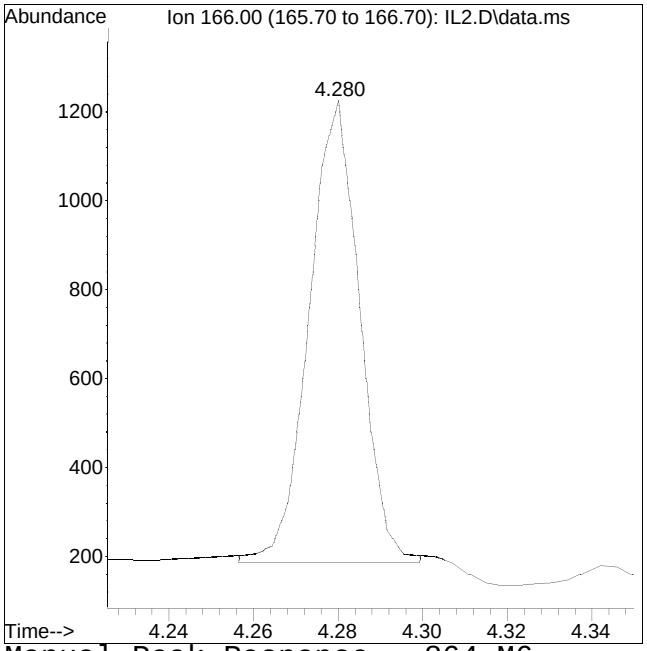
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL2.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:20 pm Instrument : SV125
Sample : IL2,32,,2.0 ng/ml #10900 Quant Date : 12/2/2024 5:58 pm

Compound #20: Fluorene



Original Peak Response = 1025



Manual Peak Response = 864 M6

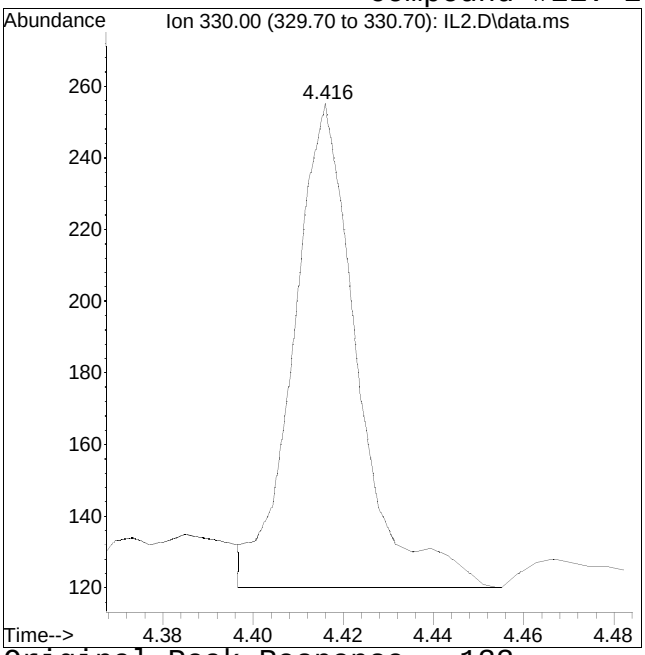
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

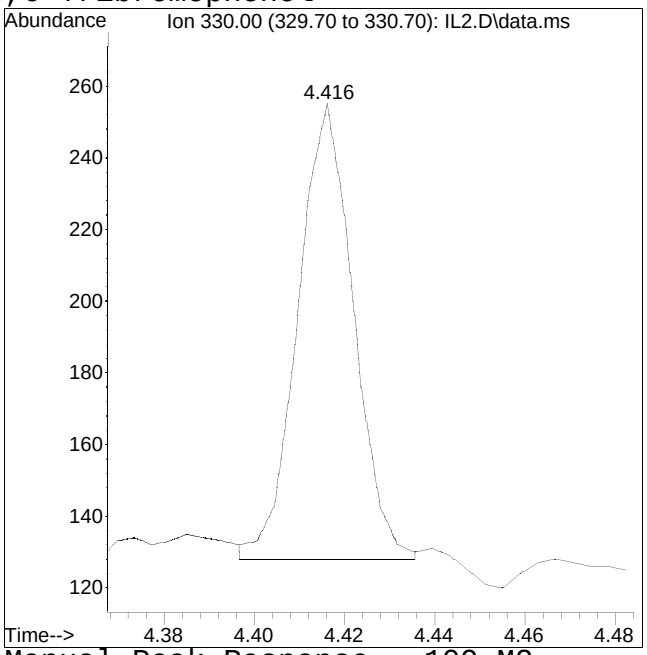
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQ
Data File : IL2.D
Date Inj'd : 11/5/2024 1:20 pm
Sample : IL2,32,,2.0 ng/ml #10900

Method : SIM-RVT_241105n_sv125.M
Operator : SV125:jjw
Instrument : SV125
Quant Date : 12/2/2024 5:58 pm

Compound #21: 2,4,6-Tribromophenol





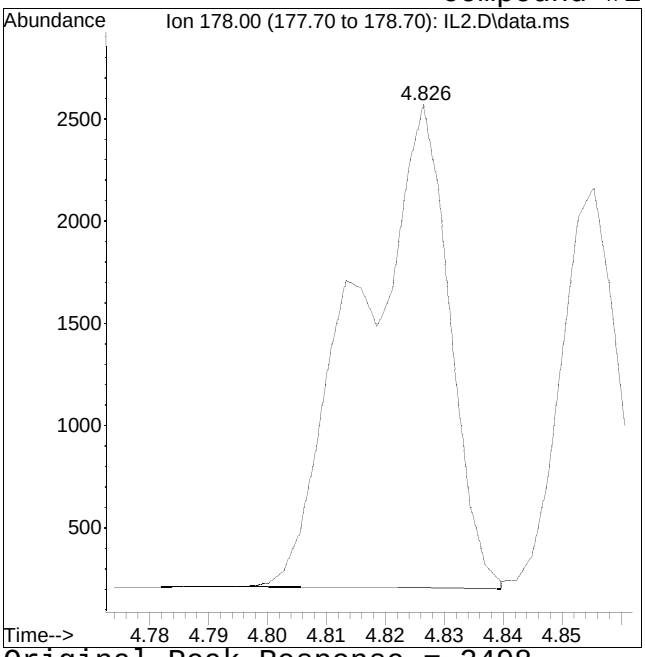
Original Peak Response = 133 Manual Peak Response = 109 M2

M2 = Peak not found by automatic integration algorithm.

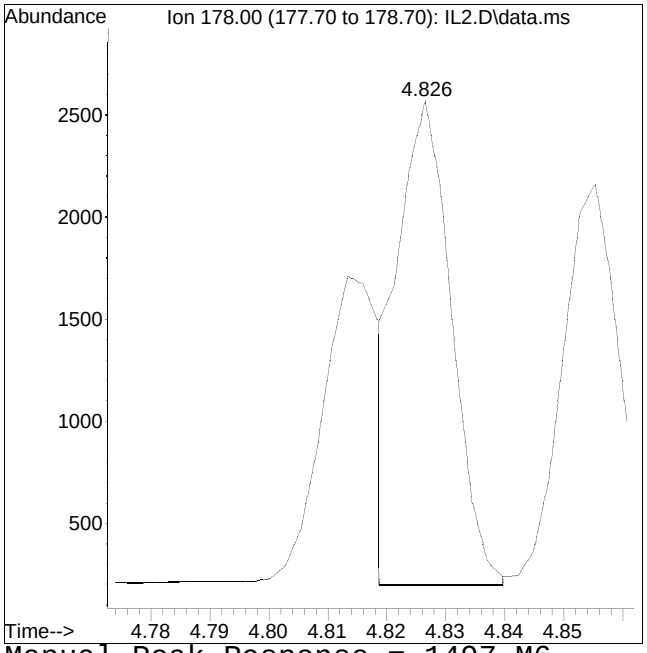
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL2.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:20 pm Instrument : SV125
Sample : IL2,32,,2.0 ng/ml #10900 Quant Date : 12/2/2024 5:58 pm

Compound #26: Phenanthrene



Original Peak Response = 2498



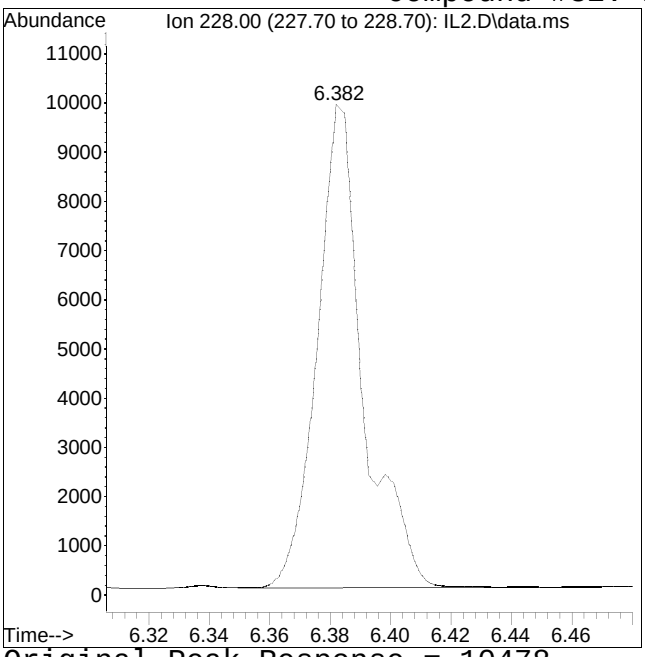
Manual Peak Response = 1497 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

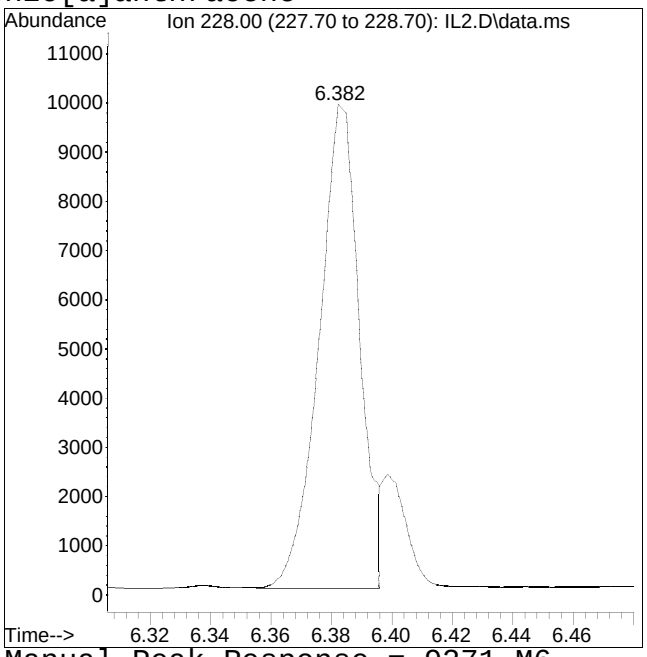
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL2.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:20 pm Instrument : SV125
Sample : IL2,32,,2.0 ng/ml #10900 Quant Date : 12/2/2024 5:58 pm

Compound #32: Benzo[a]anthracene



Original Peak Response = 10478



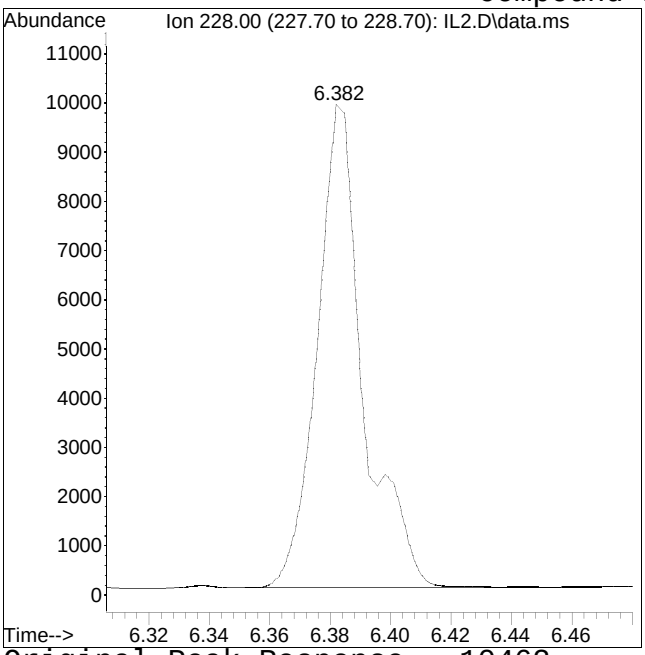
Manual Peak Response = 9271 M6

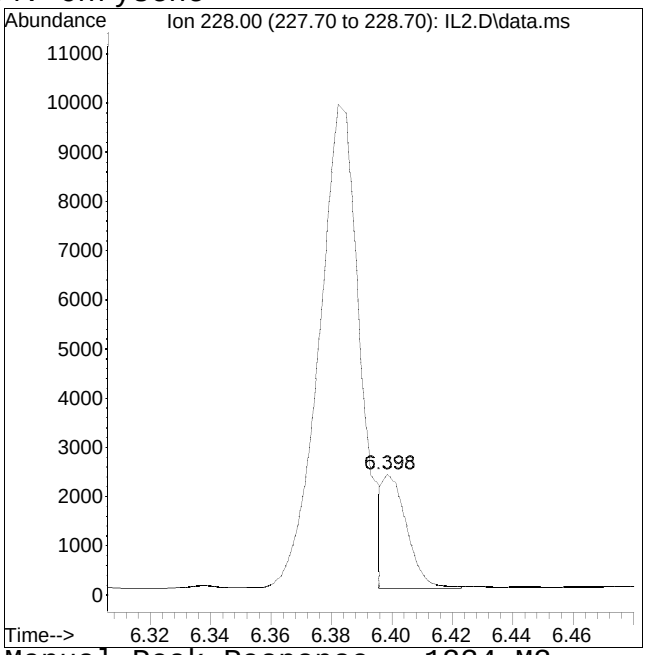
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL2.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:20 pm Instrument : SV125
Sample : IL2,32,,2.0 ng/ml #10900 Quant Date : 12/2/2024 5:58 pm

Compound #34: Chrysene





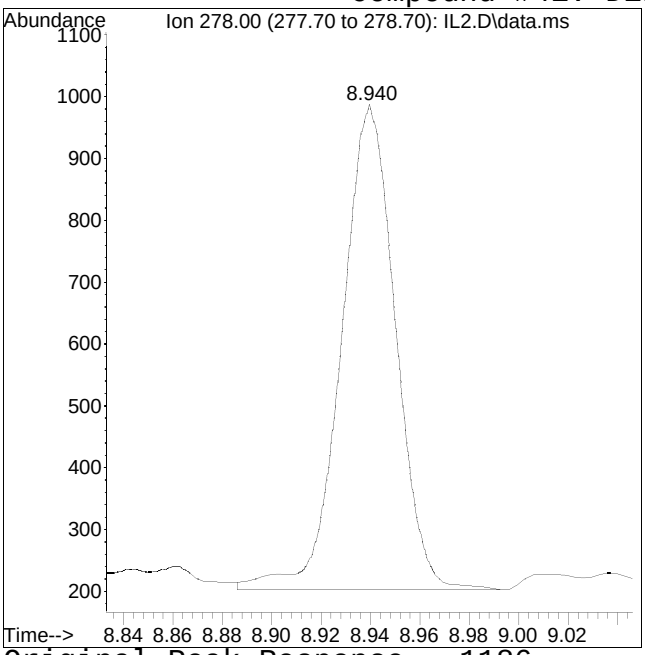
Original Peak Response = 10462 Manual Peak Response = 1234 M3

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.

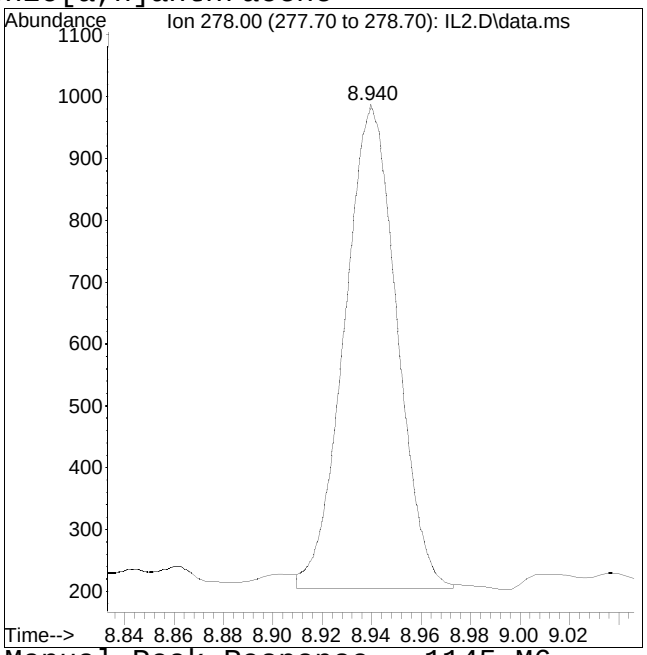
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL2.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:20 pm Instrument : SV125
Sample : IL2,32,,2.0 ng/ml #10900 Quant Date : 12/2/2024 5:58 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1186



Manual Peak Response = 1145 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 01:36 pm
Operator : SV125:jjw
Sample : IL1,32,,1.0 ng/ml #10895
Misc : WG1994329,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 02 18:13:51 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:50 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.326	152	619091	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 87.21%			
8) Naphthalene-d8	2.991	136	2142498	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 86.13%			
17) Acenaphthene-d10	3.973	164	1329350	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 83.37%			
22) Phenanthrene-d10	4.816	188	2849834	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 88.13%			
31) Chrysene-d12	6.385	240	3038574	4000.000	ng/ml	0.00
Standard Area 1 = 3410692			Recovery = 89.09%			
36) Perylene-d12	7.654	264	3268075	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 85.12%			
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
3) Phenol-d6	0.000	99	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
7) Nitrobenzene-d5	2.607	82	236	1.317	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.13%#			
13) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng/ml	
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.00%#			
21) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
30) 4-Terphenyl-d14	5.729	244	819	1.246	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.12%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
5) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	0.000		0	N.D.	d	
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	3.382	142	416	1.072	ng/ml	97
12) 1-Methylnaphthalene	3.440	142	397	1.096	ng/ml	100
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
15) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
16) Acenaphthylene	3.889	152	601M6	1.042	ng/ml	
18) Acenaphthene	3.988	153	473M6	1.104	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 01:36 pm
Operator : SV125:jjw
Sample : IL1,32,,1.0 ng/ml #10895
Misc : WG1994329,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 02 18:13:51 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:50 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.278	166	532M6	1.125	ng/ml	
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.827	178	877M3	1.114	ng/ml	
27) Anthracene	4.856	178	850M6	1.121	ng/ml	
28) Fluoranthene	5.505	202	1058	1.170	ng/ml#	93
29) Pyrene	5.639	202	1201	1.256	ng/ml#	82
32) Benzo[a]anthracene	6.385	228	10373M6	0.852	ng/ml	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.399	228	673M3	0.782	ng/ml	
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	7.255	252	938	1.031	ng/ml	96
38) Benzo[k]fluoranthene	7.281	252	813M6	0.978	ng/ml	
39) Benzo[a]pyrene	7.578	252	795	1.054	ng/ml#	77
40) Indeno[1,2,3-cd]pyrene	8.907	276	833	1.028	ng/ml#	91
41) Dibenzo[a,h]anthracene	8.940	278	679	0.910	ng/ml	98
42) Benzo[g,h,i]perylene	9.257	276	824	1.047	ng/ml#	90

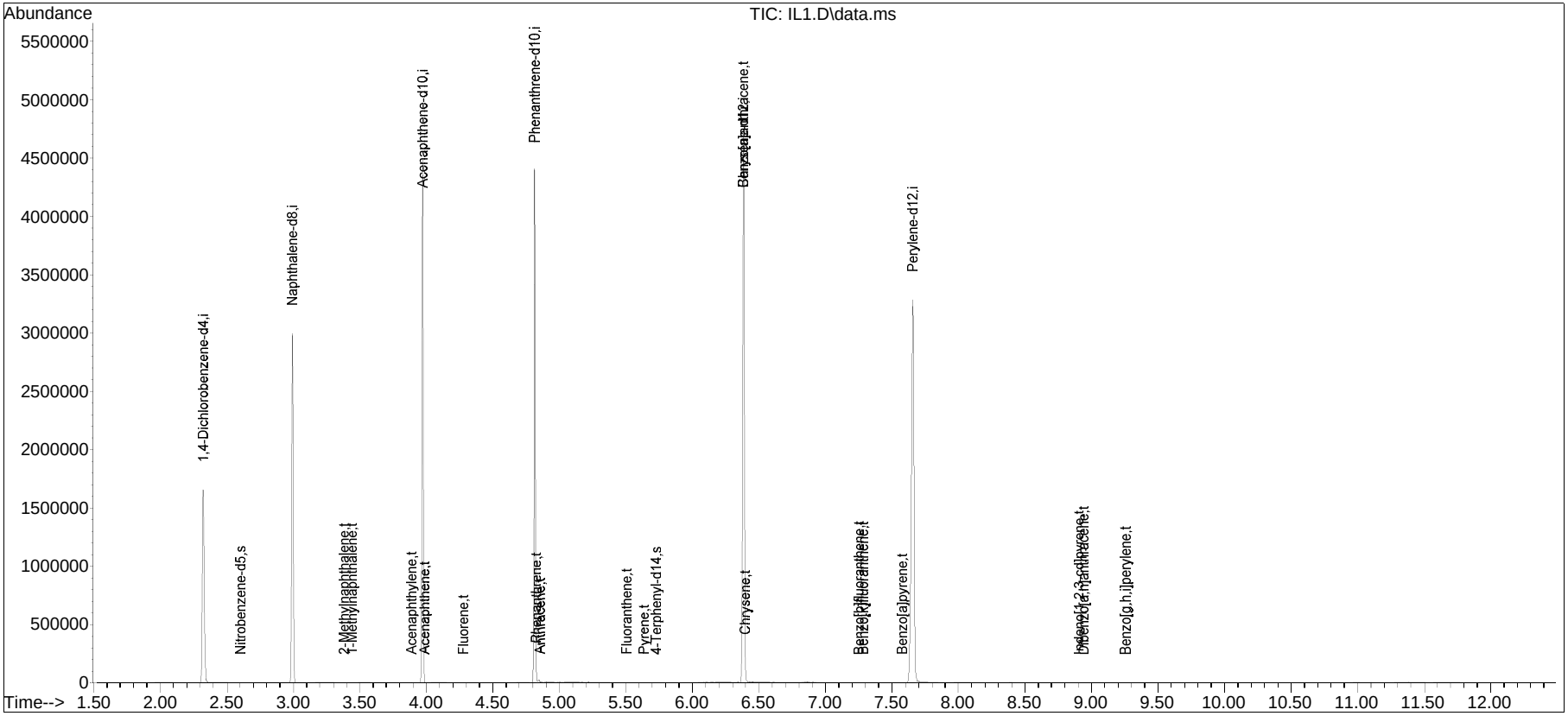
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : IL1.D
Acq On : 05 Nov 2024 01:36 pm
Operator : SV125:jjw
Sample : IL1,32,,1.0 ng/ml #10895
Misc : WG1994329,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 02 18:13:51 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:50 2024
Response via : Initial Calibration

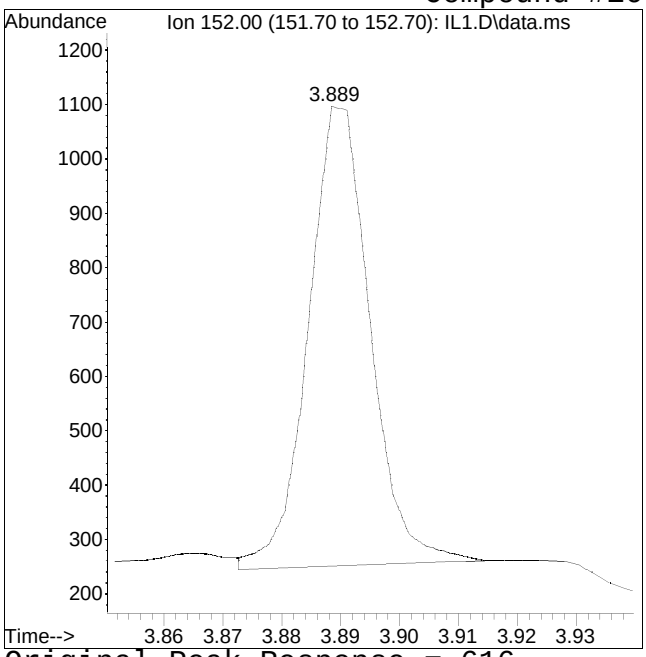
Sub List : Default - All compounds listedTical\IL8.D•



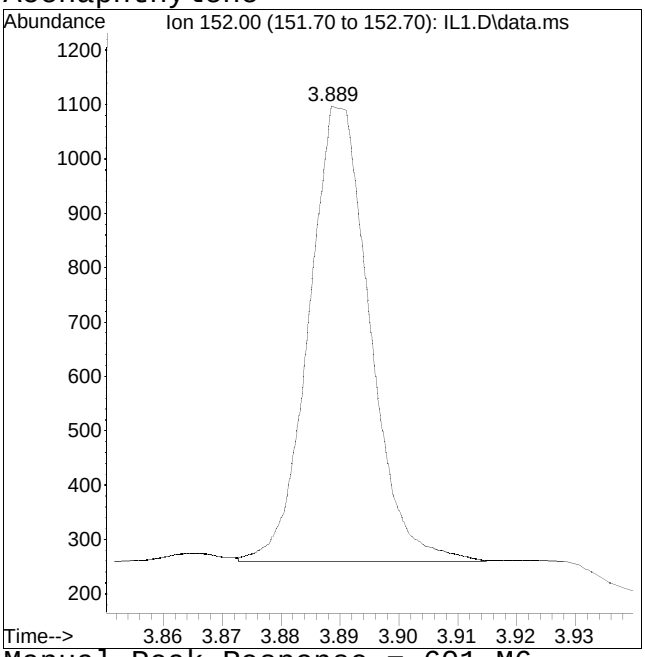
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #16: Acenaphthylene



Original Peak Response = 616



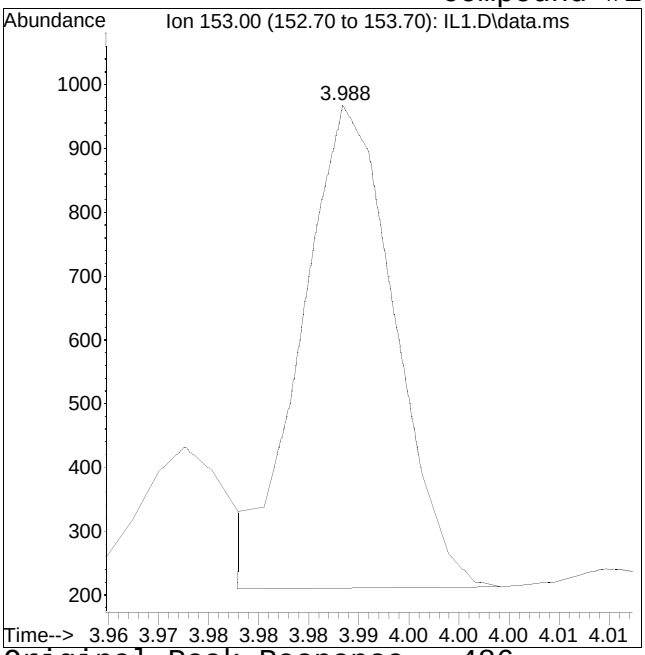
Manual Peak Response = 601 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

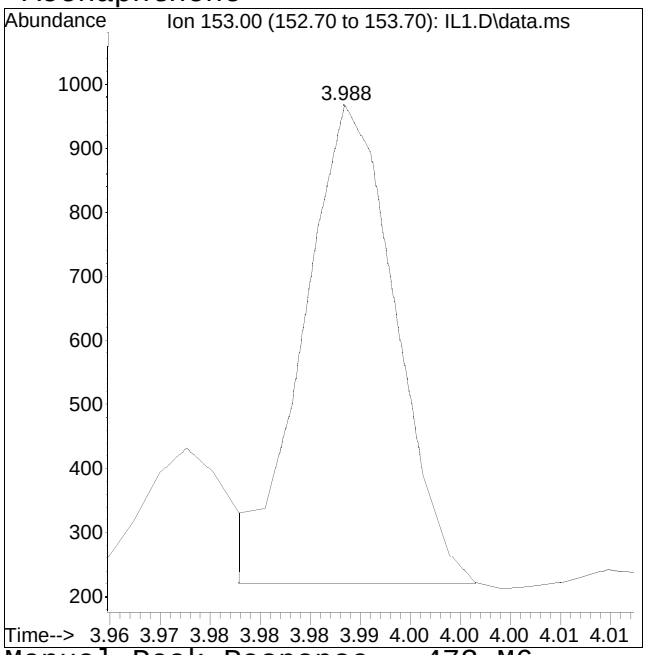
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #18: Acenaphthene



Original Peak Response = 486



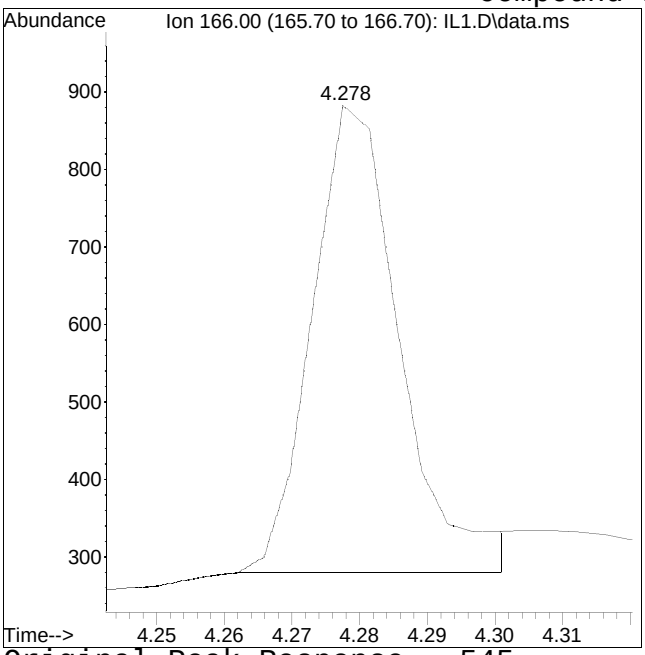
Manual Peak Response = 473 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

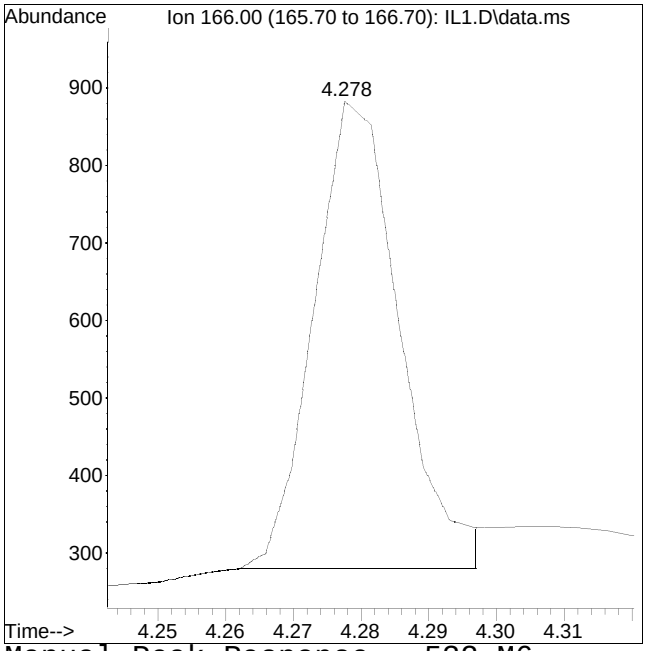
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQ
Data File : IL1.D
Date Inj'd : 11/5/2024 1:36 pm
Sample : IL1,32,,1.0 ng/ml #10895
Method : SIM-RVT_241105n_sv125.M
Operator : SV125:jjw
Instrument : SV125
Quant Date : 12/2/2024 5:57 pm

Compound #20: Fluorene



Original Peak Response = 545



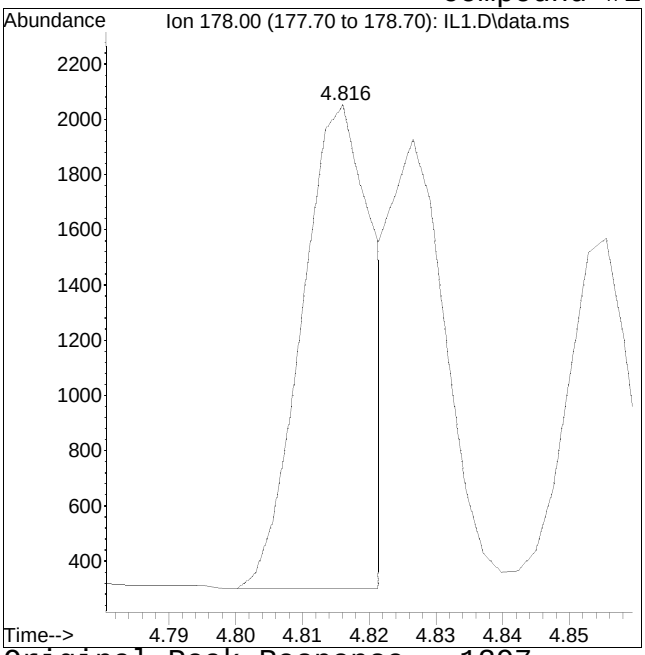
Manual Peak Response = 532 M6

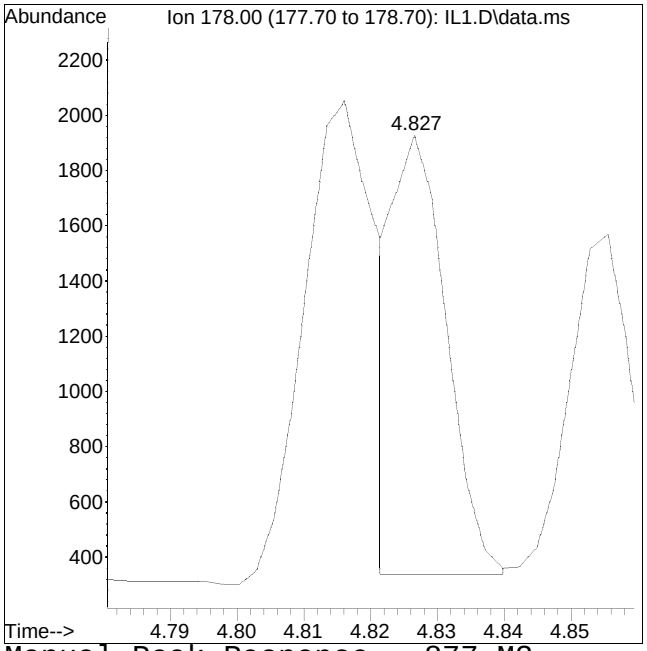
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #26: Phenanthrene





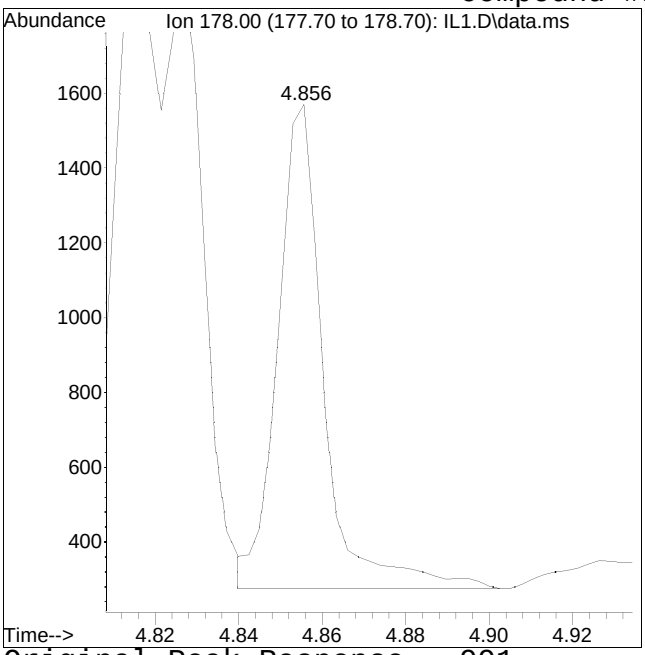
Original Peak Response = 1297 Manual Peak Response = 877 M3

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.

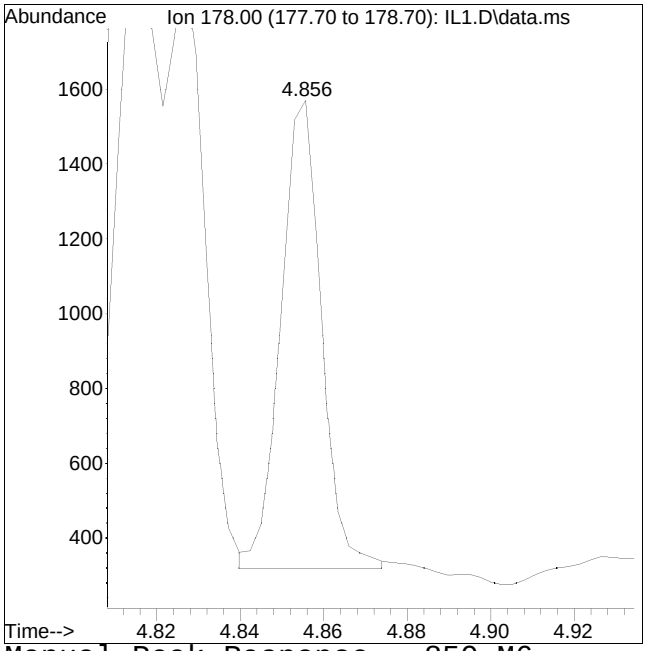
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #27: Anthracene



Original Peak Response = 991



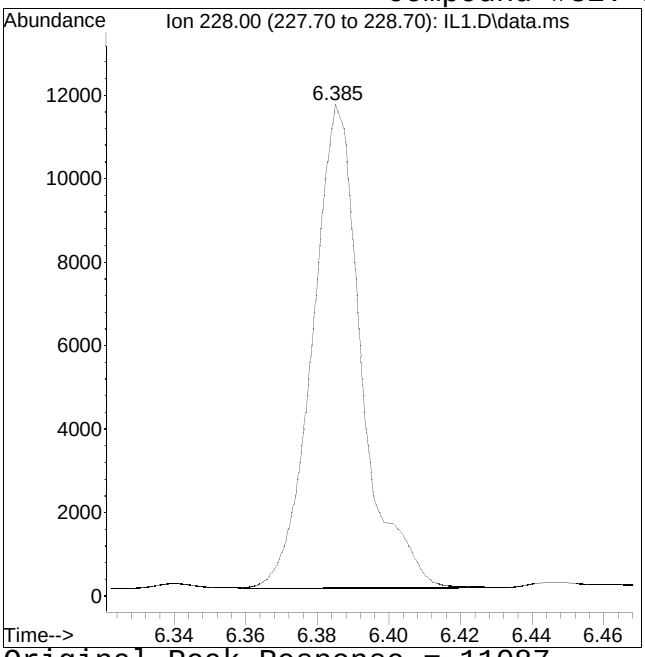
Manual Peak Response = 850 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

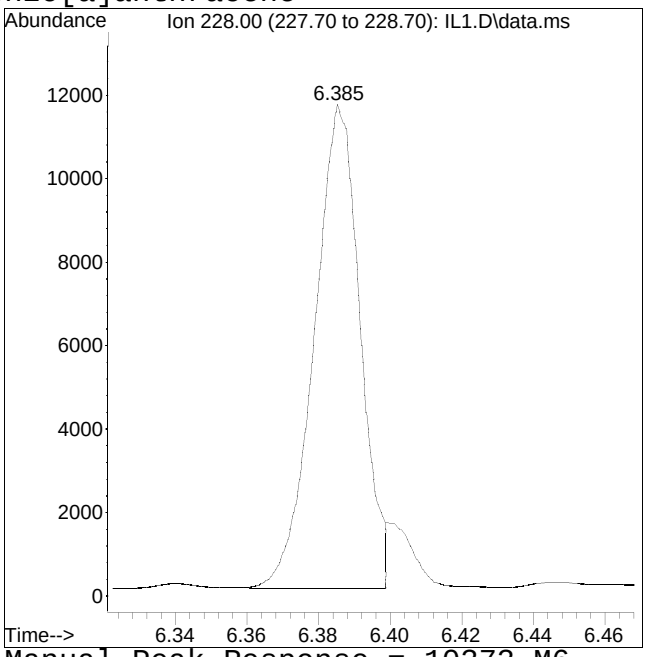
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #32: Benzo[a]anthracene



Original Peak Response = 11087



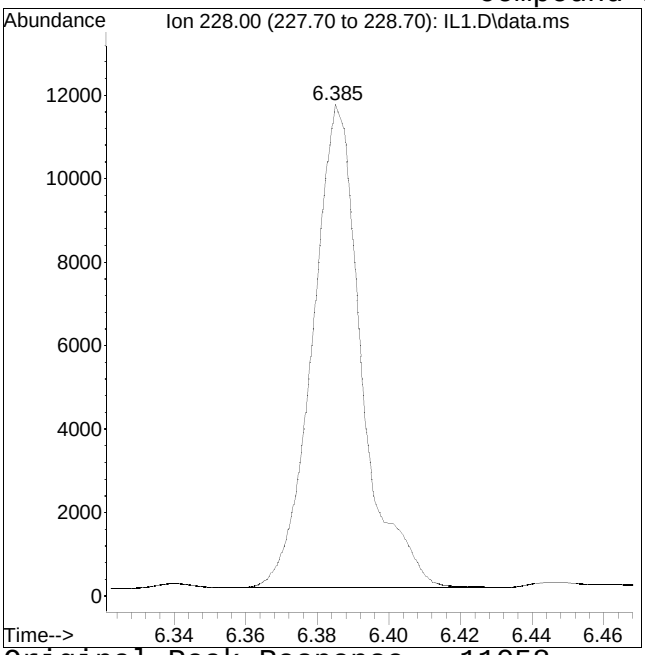
Manual Peak Response = 10373 M6

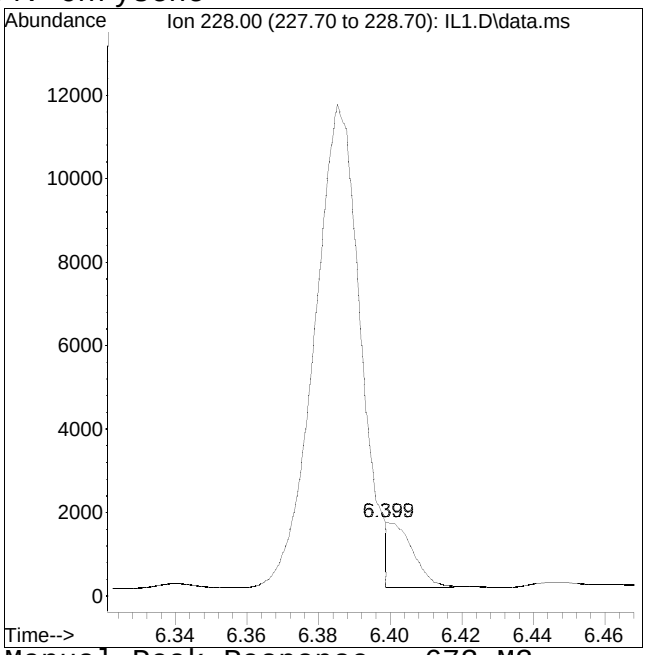
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #34: Chrysene



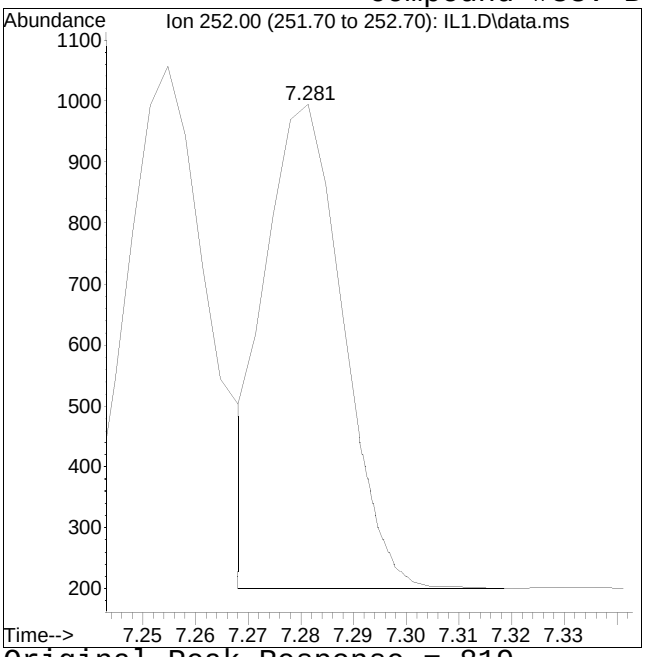


Original Peak Response = 11058 Manual Peak Response = 673 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

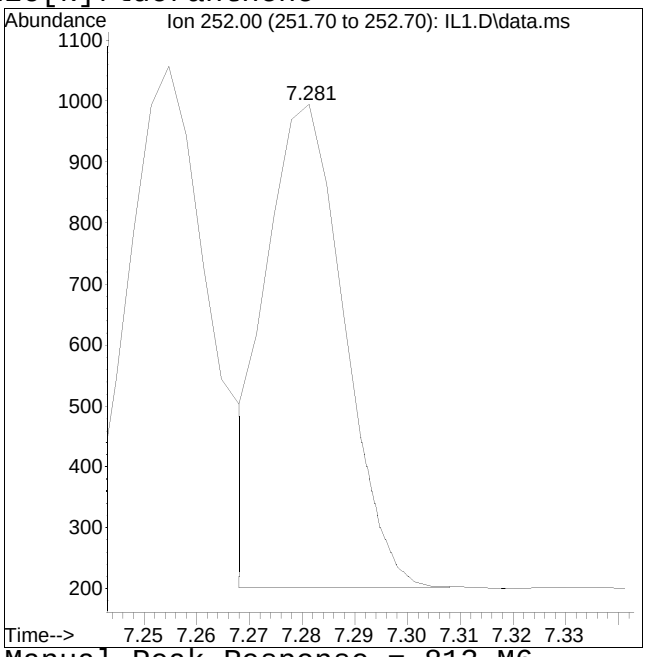
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : IL1.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:36 pm Instrument : SV125
Sample : IL1,32,,1.0 ng/ml #10895 Quant Date : 12/2/2024 5:57 pm

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 819



Manual Peak Response = 813 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 01:52 pm
Operator : SV125:jjw
Sample : CQICV,32,, 1.000 Lot#10884
Misc : WG1994329,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 17:56:13 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:45 2024
Response via : Initial Calibration

Min. RRF : 0.050 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	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
2	s	2-Fluorophenol	1.075	1.043	3.0	88	0.00
3	s	Phenol-d6	1.360	1.266	6.9	86	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	937.786	6.2	88	0.00
5	T	n-nitrosodi-n-propylamine	0.775	0.728	6.1	80	0.00
6	t	Hexachloroethane	0.503	0.466	7.4	84	0.00
7	s	Nitrobenzene-d5	1.158	1.120	3.3	83	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	89	0.00
9	t	Naphthalene	1.074	0.979	8.8	84	0.00
10	t	Hexachlorobutadiene	0.220	0.208	5.5	86	0.00
11	t	2-Methylnaphthalene	0.724	0.685	5.4	85	0.00
12	t	1-Methylnaphthalene	0.677	0.631	6.8	85	0.00
13	s	2-Fluorobiphenyl	0.890	0.825	7.3	84	0.00
14	t	2-Chloronaphthalene	0.758	0.699	7.8	82	0.00
15	t	2,6-Dinitrotoluene	0.173	0.165	4.6	80	0.00
16	t	Acenaphthylene	1.076	1.050	2.4	83	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	87	0.00
18	t	Acenaphthene	1.289	1.176	8.8	83	0.00
19	t	2,4-Dinitrotoluene	0.376	0.370	1.6	80	0.00
20	t	Fluorene	1.423	1.311	7.9	82	0.00
21	s	2,4,6-Tribromophenol	0.217	0.246	-13.4	87	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	89	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	843.675	15.6	76	0.00
24	t	Hexachlorobenzene	0.256	0.235	8.2	84	0.00
25	t	Pentachlorophenol	*1000.000	1001.413	-0.1	83	0.00
26	t	Phenanthrene	1.105	0.995	10.0	84	0.00
27	t	Anthracene	1.064	1.012	4.9	84	0.00
28	t	Fluoranthene	1.270	1.186	6.6	85	0.00
29	t	Pyrene	1.342	1.266	5.7	86	0.00
30	s	4-Terphenyl-d14	0.922	0.834	9.5	85	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	88	0.00
32	t	Benzo[a]anthracene	*1000.000	990.668	0.9	83	0.00
33	t	3,3'-Dichlorobenzidine	0.448	0.459	-2.5	83	0.00
34	t	Chrysene	1.132	1.150	-1.6	83	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.648	0.620	4.3	79	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 01:52 pm
Operator : SV125:jjw
Sample : CQICV,32,, 1.000 Lot#10884
Misc : WG1994329,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 17:56:13 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:45 2024
Response via : Initial Calibration

Min. RRF : 0.050 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)
36	i	Perylene-d12	1.000	1.000	0.0	87	0.00
37	t	Benzo[b]fluoranthene	1.113	1.075	3.4	83	0.00
38	t	Benzo[k]fluoranthene	1.017	1.009	0.8	83	0.00
39	t	Benzo[a]pyrene	0.923	0.940	-1.8	83	0.00
40	t	Indeno[1,2,3-cd]pyrene	0.991	0.970	2.1	82	0.00
41	t	Dibenzo[a,h]anthracene	0.913	0.947	-3.7	85	0.00
42	t	Benzo[g,h,i]perylene	0.963	0.956	0.7	84	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:\8270SIM\SV125\241105nRVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 01:52 pm
Operator : SV125:jjw
Sample : CQICV,32,, 1.000 Lot#10884
Misc : WG1994329,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 17:56:13 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.323	152	626476	4000.000	ng/ml	0.00
Standard Area 1 = 709882			Recovery = 88.25%			
8) Naphthalene-d8	2.993	136	2204473	4000.000	ng/ml	0.00
Standard Area 1 = 2487386			Recovery = 88.63%			
17) Acenaphthene-d10	3.973	164	1383082	4000.000	ng/ml	0.00
Standard Area 1 = 1594573			Recovery = 86.74%			
22) Phenanthrene-d10	4.815	188	2888519	4000.000	ng/ml	0.00
Standard Area 1 = 3233659			Recovery = 89.33%			
31) Chrysene-d12	6.387	240	3000961	4000.000	ng/ml	0.00
Standard Area 1 = 3410694			Recovery = 87.99%			
36) Perylene-d12	7.653	264	3353236	4000.000	ng/ml	0.00
Standard Area 1 = 3839395			Recovery = 87.34%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.732	112	163278	969.975	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.50%			
3) Phenol-d6	2.130	99	198352	931.002	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.55%			
7) Nitrobenzene-d5	2.607	82	175417	967.080	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.71%			
13) 2-Fluorobiphenyl	3.590	172	454449	926.696	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 92.67%			
21) 2,4,6-Tribromophenol	4.415	330	85015	1133.313	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.67%			
30) 4-Terphenyl-d14	5.727	244	602567	904.755	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 90.48%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.186	93	165470	937.786	ng/ml	96
5) n-nitrosodi-n-propylamine	2.523	70	113988	939.541	ng/ml	100
6) Hexachloroethane	2.584	117	73020	927.198	ng/ml	100
9) Naphthalene	3.003	128	539792	911.852	ng/ml	100
10) Hexachlorobutadiene	3.074	225	114583	946.726	ng/ml	100
11) 2-Methylnaphthalene	3.383	142	377547	945.948	ng/ml	99
12) 1-Methylnaphthalene	3.438	142	347752	932.661	ng/ml	99
14) 2-Chloronaphthalene	3.656	162	385400	922.043	ng/ml	99
15) 2,6-Dinitrotoluene	3.847	165	91047	953.821	ng/ml	99
16) Acenaphthylene	3.891	152	578771	975.564	ng/ml	100
18) Acenaphthene	3.989	153	406504	911.829	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 01:52 pm
Operator : SV125:jjw
Sample : CQICV,32,, 1.000 Lot#10884
Misc : WG1994329,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 17:56:13 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV125\241105nRVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.075	165	127820	982.586	ng/ml	98
20) Fluorene	4.279	166	453438	921.268	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.306	198	75164	843.675	ng/ml	98
24) Hexachlorobenzene	4.597	284	169510	915.210	ng/ml	99
25) Pentachlorophenol	4.707	266	89449	1001.413	ng/ml	100
26) Phenanthrene	4.828	178	718689	900.282	ng/ml	100
27) Anthracene	4.854	178	730853	950.793	ng/ml	100
28) Fluoranthene	5.507	202	856217	933.858	ng/ml	100
29) Pyrene	5.637	202	913997	943.316	ng/ml	100
32) Benzo[a]anthracene	6.376	228	901993	990.668	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.357	252	344437	1023.922	ng/ml	100
34) Chrysene	6.403	228	862997	1015.948	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.392	149	465133	957.038	ng/ml	100
37) Benzo[b]fluoranthene	7.256	252	900795	965.394	ng/ml	100
38) Benzo[k]fluoranthene	7.283	252	845590	991.617	ng/ml	100
39) Benzo[a]pyrene	7.579	252	787817	1018.009	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.912	276	813164	978.390	ng/ml	99
41) Dibenzo[a,h]anthracene	8.945	278	793775M6	1036.873	ng/ml	
42) Benzo[g,h,i]perylene	9.265	276	801192	992.145	ng/ml	100

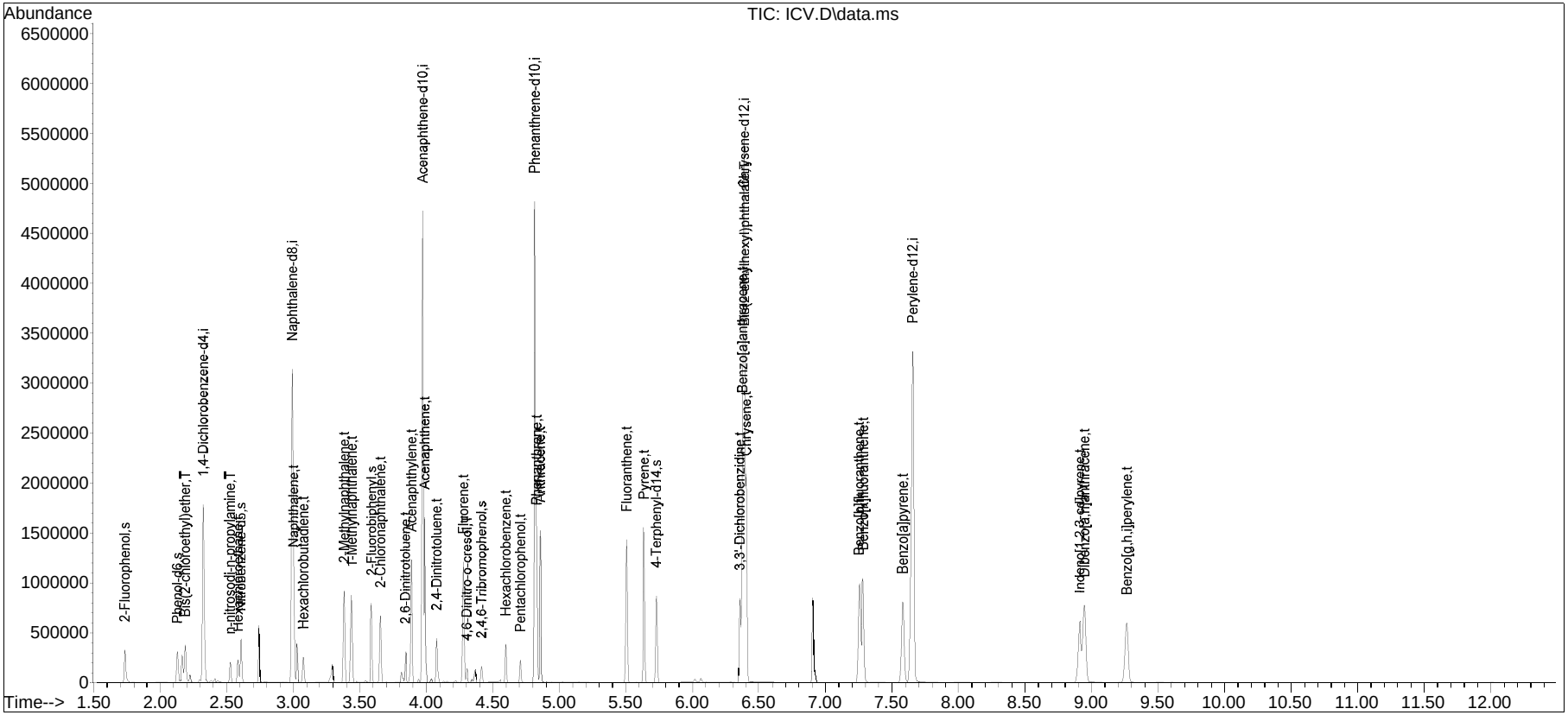
(#) = qualifier out of range (m) = manual integration (+) = signals summed

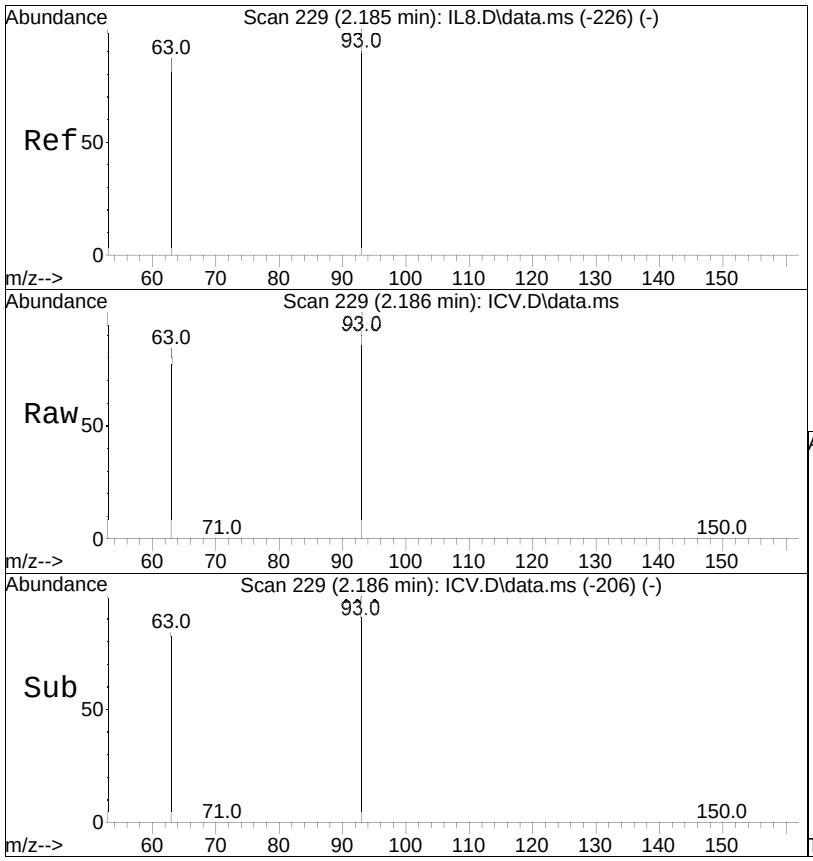
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241105nRVTical\
Data File : ICV.D
Acq On : 05 Nov 2024 01:52 pm
Operator : SV125:jjw
Sample : CQICV,32,, 1.000 Lot#10884
Misc : WG1994329,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 02 17:56:13 2024
Quant Method : I:\8270SIM\SV125\241105nRVTical\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 02 17:57:45 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedTical\IL8.D•

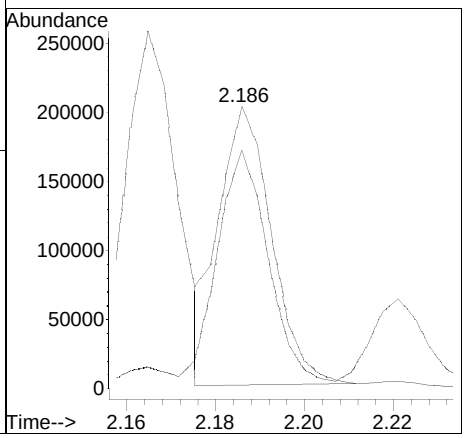


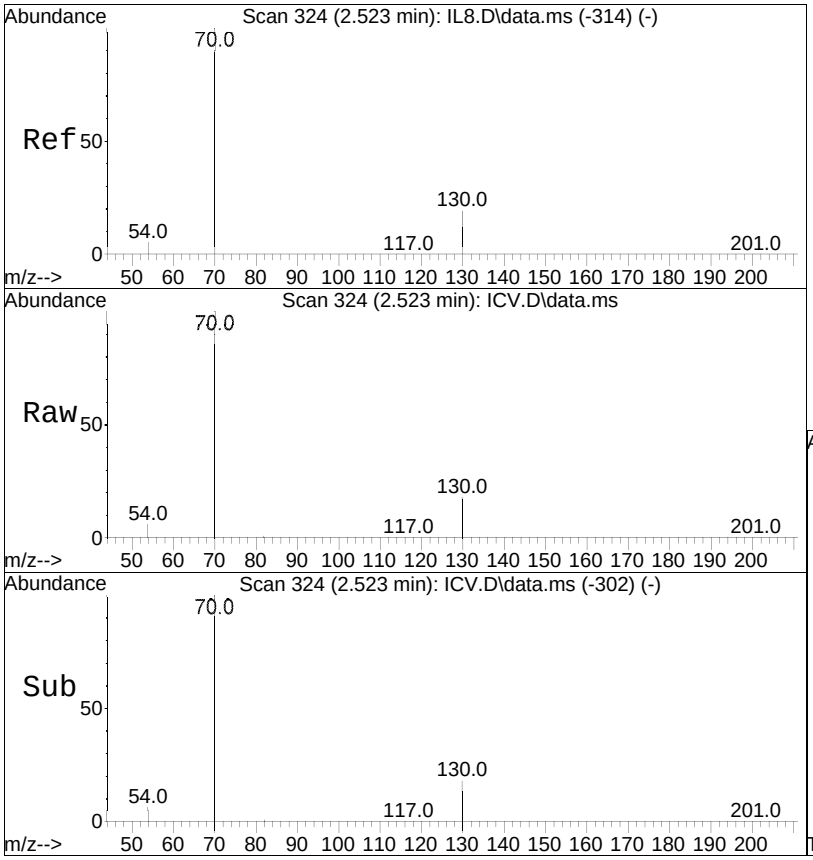


#4
Bis(2-chloroethyl)ether
Concen: 937.79 ng/ml
RT: 2.186 min Scan# 229
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion: 93 Resp: 165470

Ion	Ratio	Lower	Upper
93	100		
63	84.9	71.2	106.8

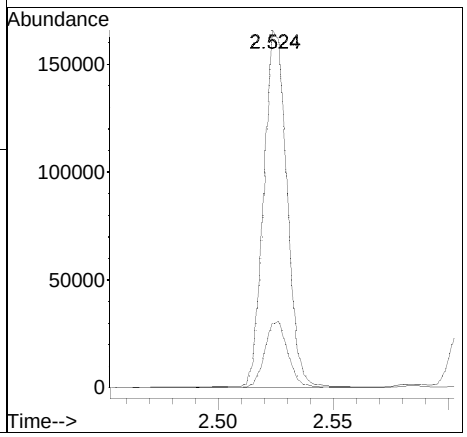


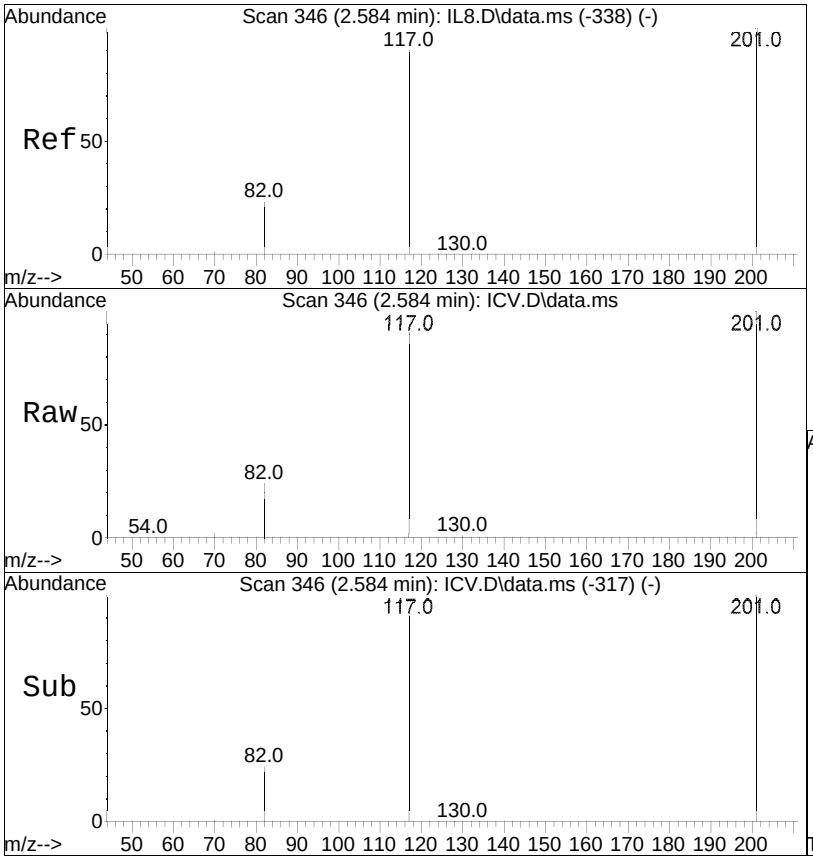


#5
n-nitrosodi-n-propylamine
Concen: 939.54 ng/ml
RT: 2.523 min Scan# 324
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion: 70 Resp: 113988

Ion	Ratio	Lower	Upper
70	100		
130	18.7	15.0	22.6

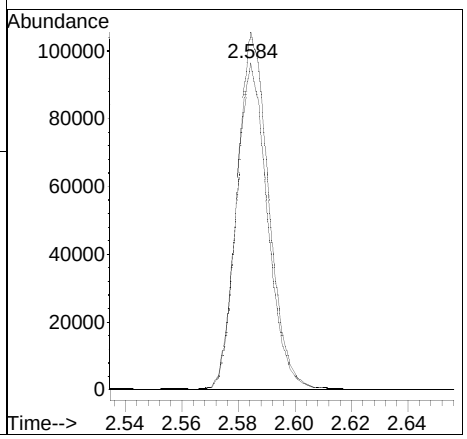


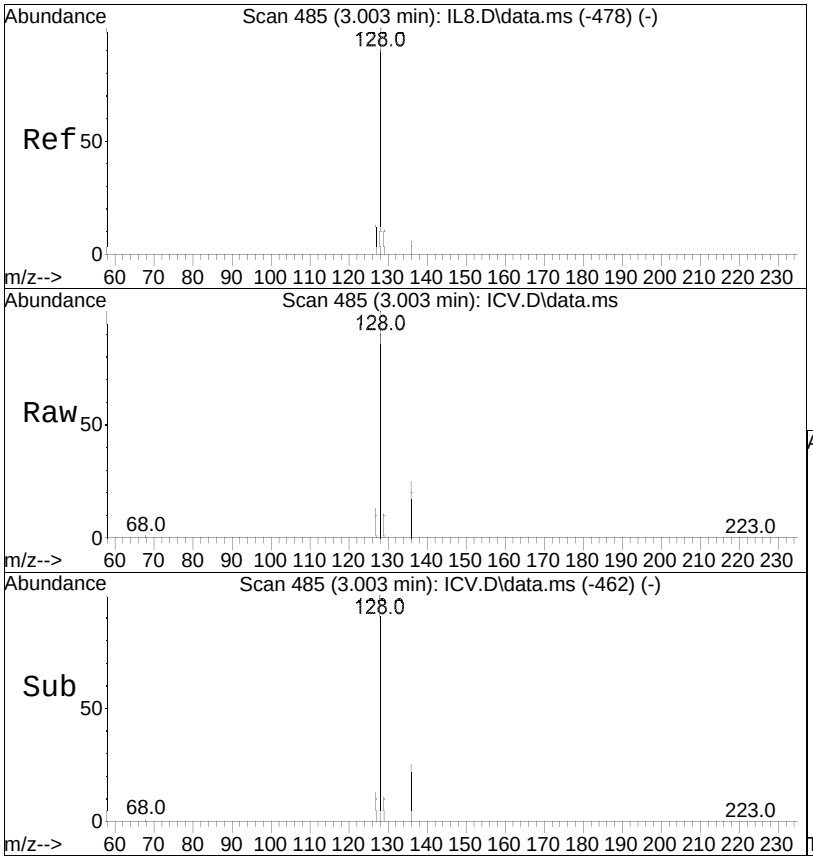


#6
Hexachloroethane
Concen: 927.20 ng/ml
RT: 2.584 min Scan# 346
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:117 Resp: 73020

Ion	Ratio	Lower	Upper
117	100		
201	110.0	88.0	132.0

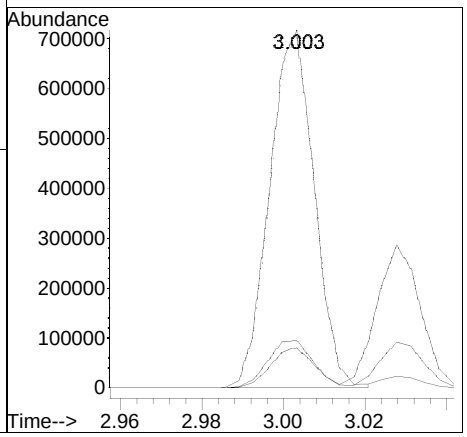


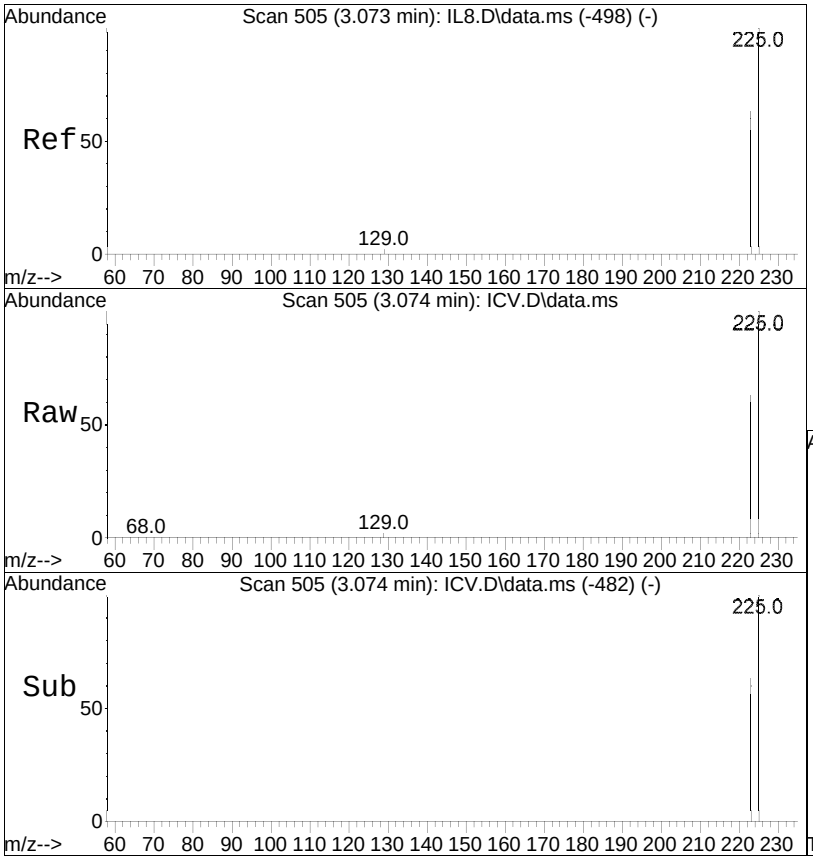


#9
Naphthalene
Concen: 911.85 ng/ml
RT: 3.003 min Scan# 485
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:128 Resp: 539792

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.6	10.9	16.3

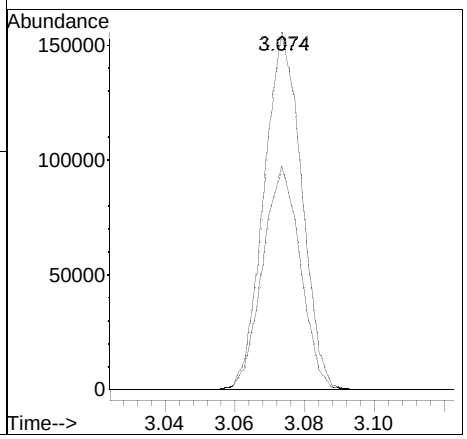


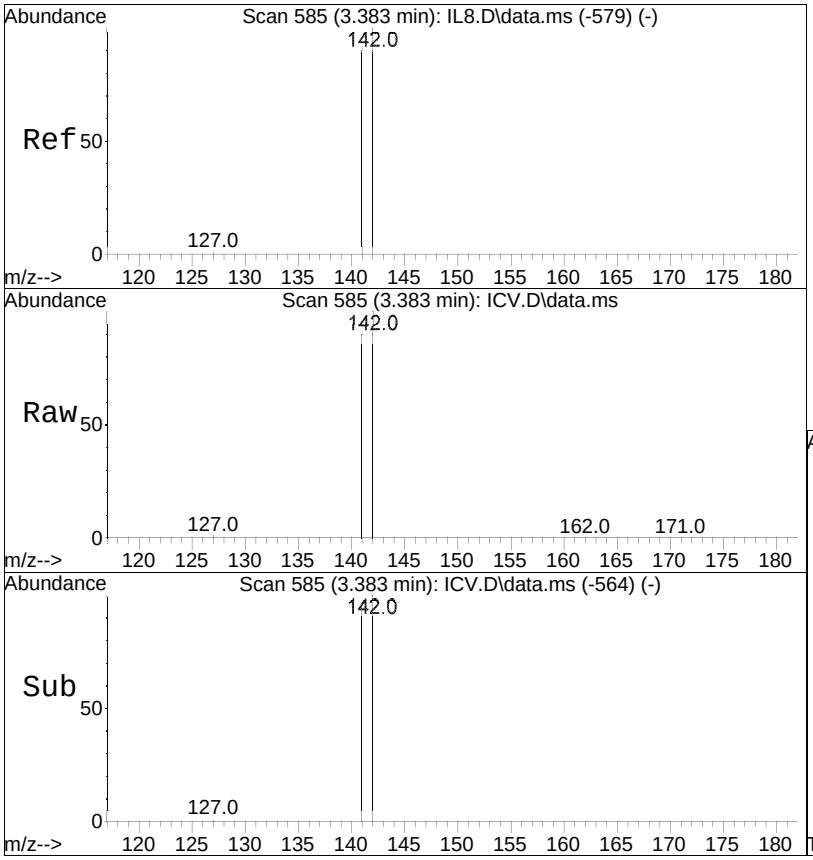


#10
Hexachlorobutadiene
Concen: 946.73 ng/ml
RT: 3.074 min Scan# 505
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:225 Resp: 114583

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.3	75.5

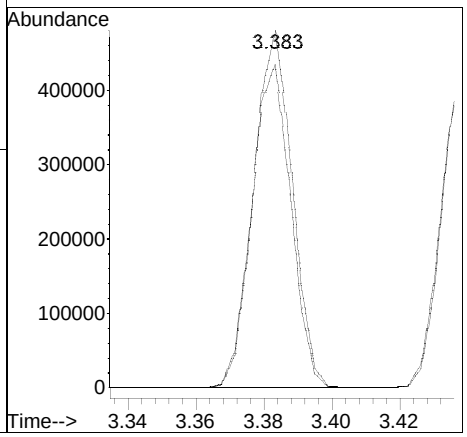


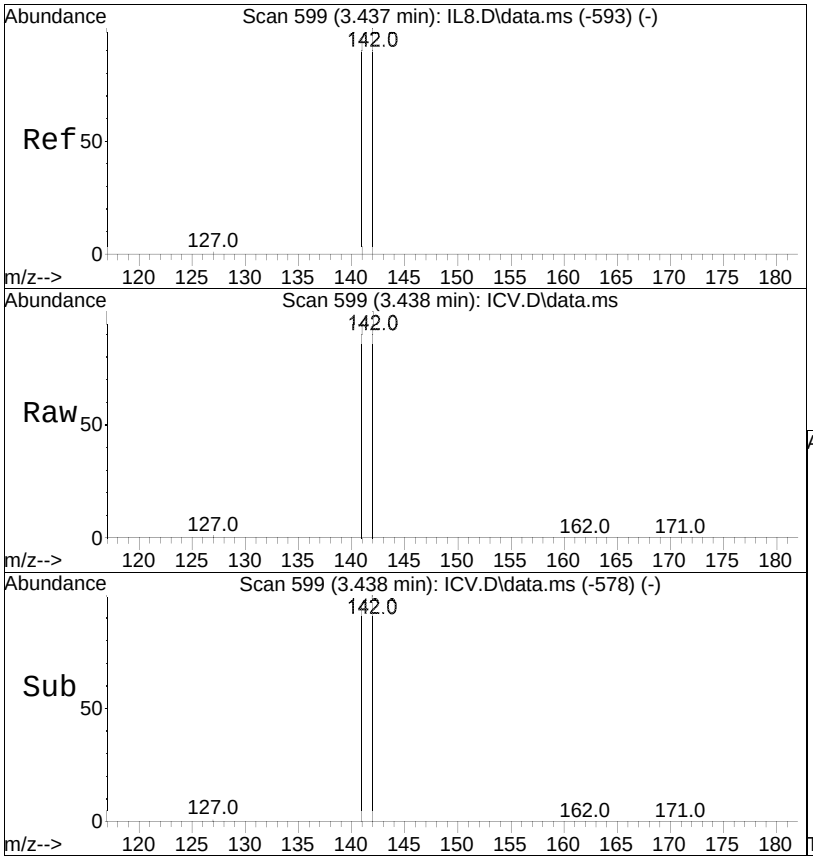


#11
2-Methylnaphthalene
Concen: 945.95 ng/ml
RT: 3.383 min Scan# 585
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:142 Resp: 377547

Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.0	111.0

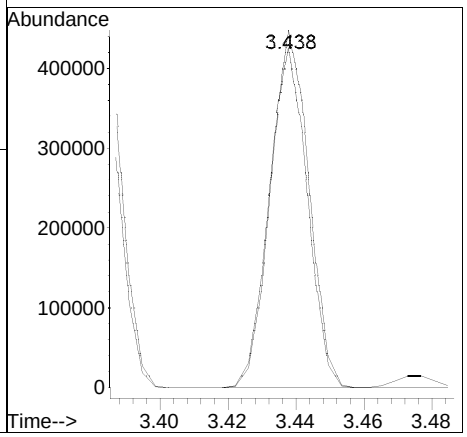


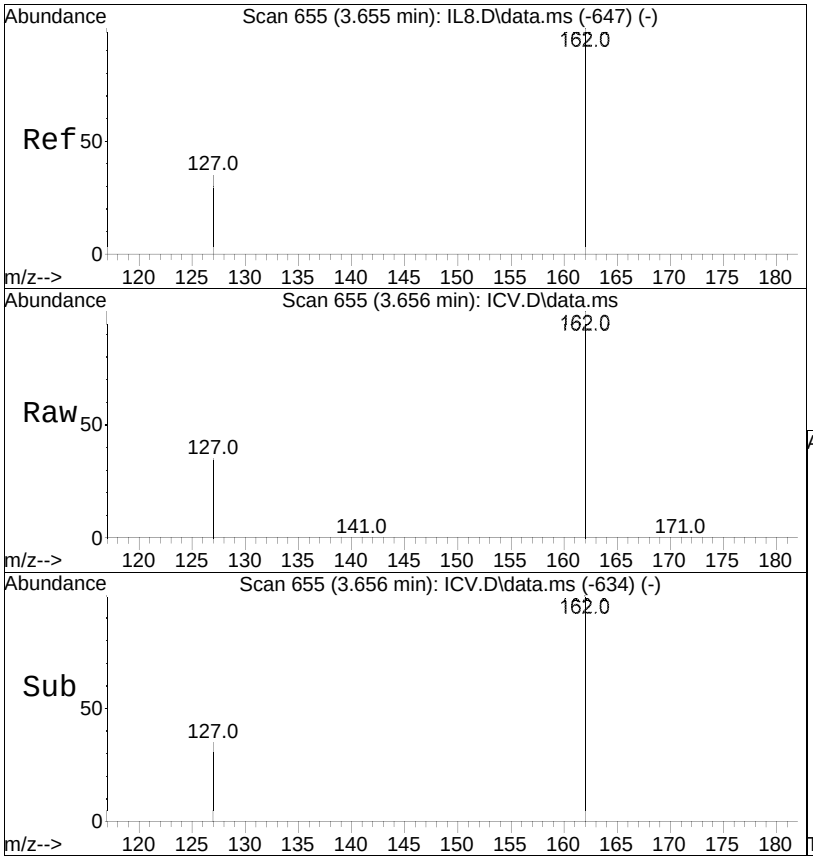


#12
1-Methylnaphthalene
Concen: 932.66 ng/ml
RT: 3.438 min Scan# 599
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:142 Resp: 347752

Ion	Ratio	Lower	Upper
142	100		
141	95.1	76.5	114.7

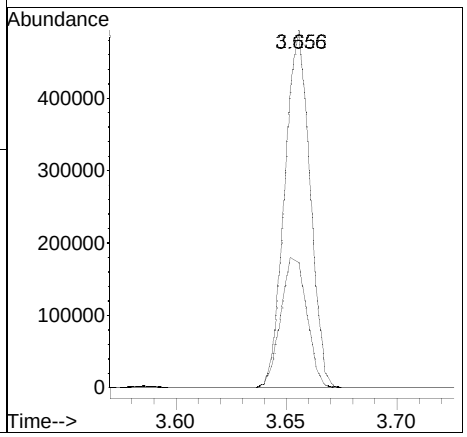


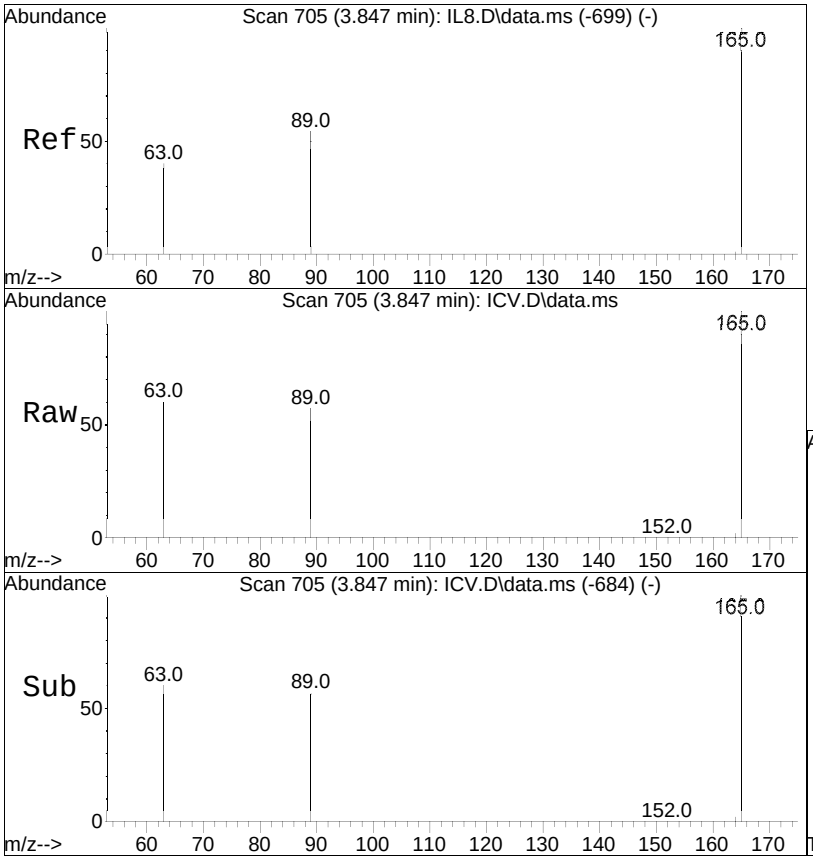


#14
2-Chloronaphthalene
Concen: 922.04 ng/ml
RT: 3.656 min Scan# 655
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:162 Resp: 385400

Ion	Ratio	Lower	Upper
162	100		
127	38.0	30.1	45.1

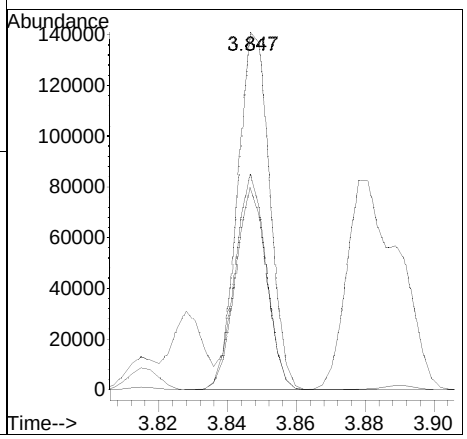


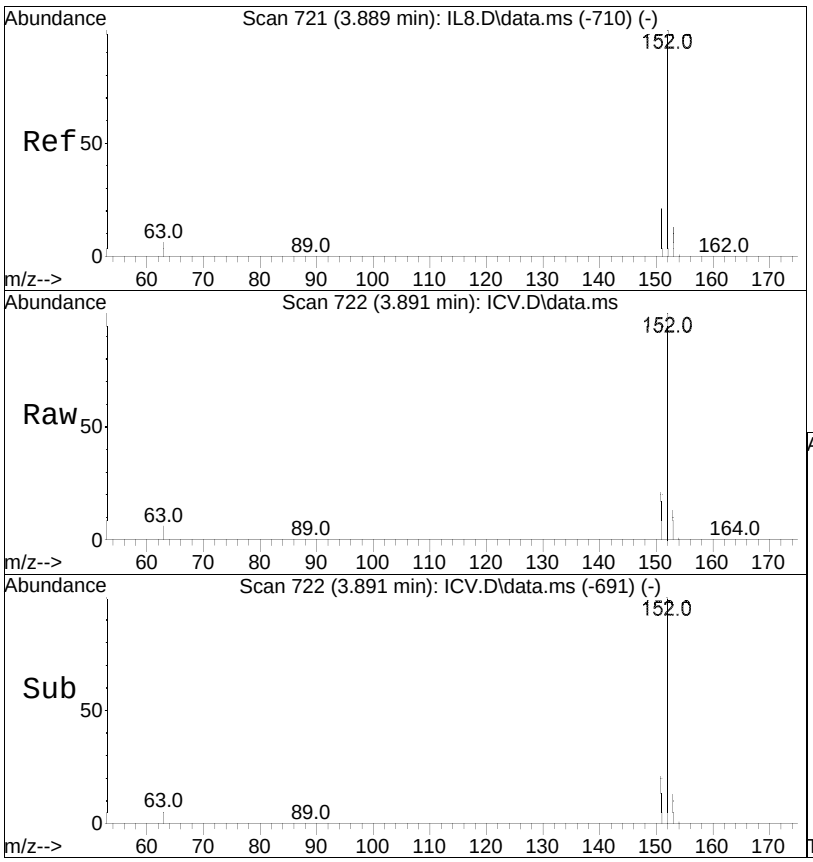


#15
2,6-Dinitrotoluene
Concen: 953.82 ng/ml
RT: 3.847 min Scan# 705
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:165 Resp: 91047

Ion	Ratio	Lower	Upper
165	100		
89	55.1	43.6	65.4
63	58.2	45.9	68.9

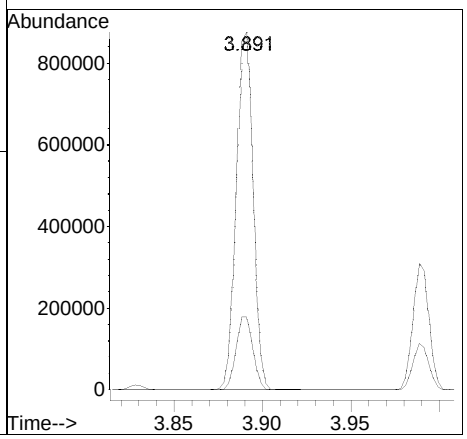


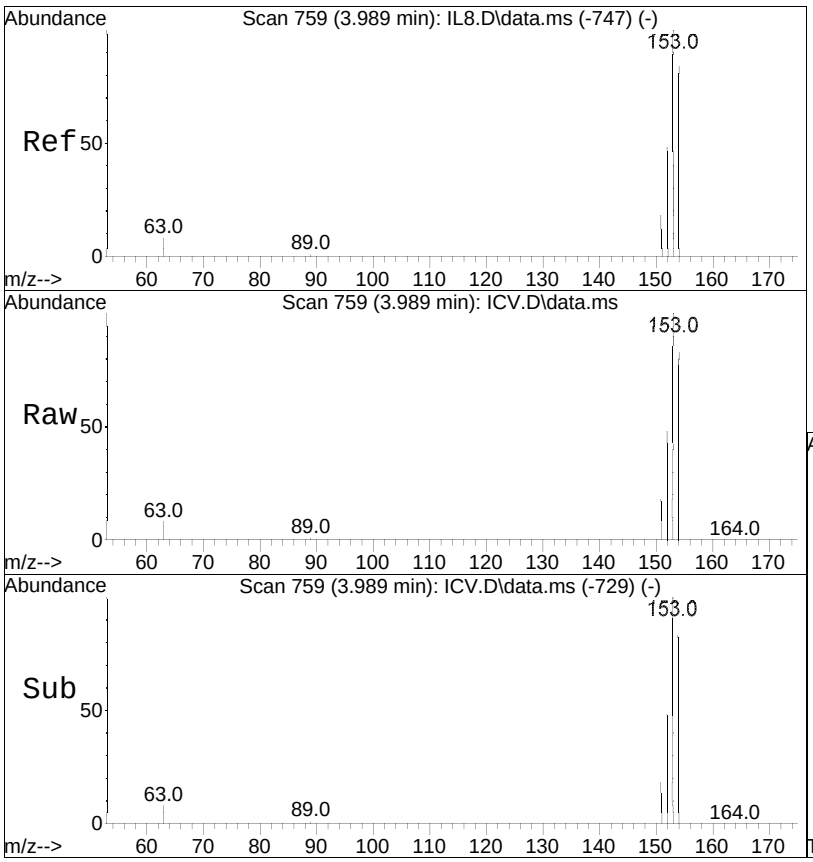


#16
Acenaphthylene
Concen: 975.56 ng/ml
RT: 3.891 min Scan# 722
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:152 Resp: 578771

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.5	24.7

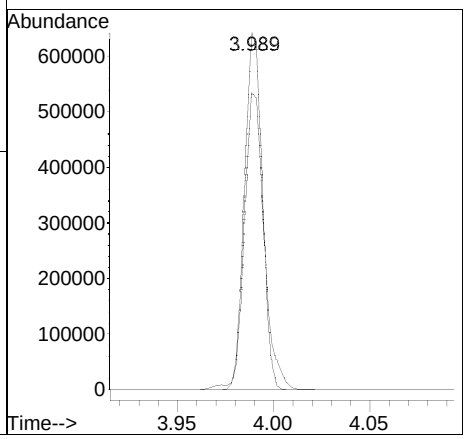


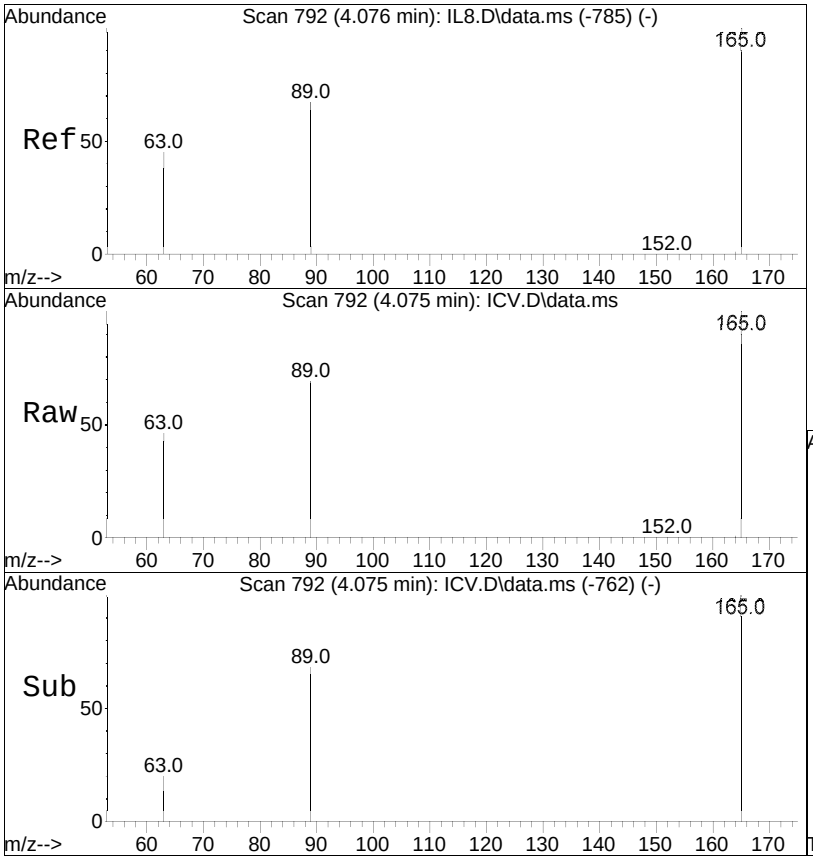


#18
Acenaphthene
Concen: 911.83 ng/ml
RT: 3.989 min Scan# 759
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:153 Resp: 406504

Ion	Ratio	Lower	Upper
153	100		
154	92.6	74.9	112.3

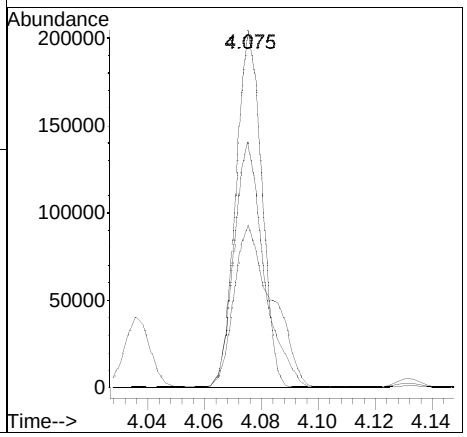


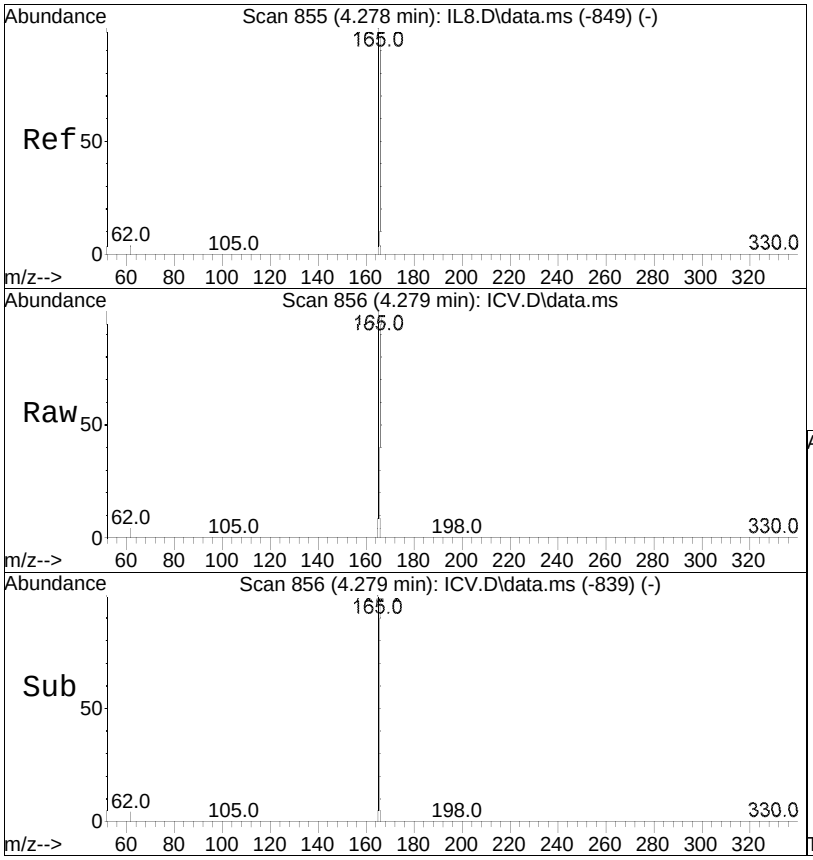


#19
2,4-Dinitrotoluene
Concen: 982.59 ng/ml
RT: 4.075 min Scan# 792
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:165 Resp: 127820

Ion	Ratio	Lower	Upper
165	100		
89	79.8	62.9	94.3
63	66.6	52.2	78.4

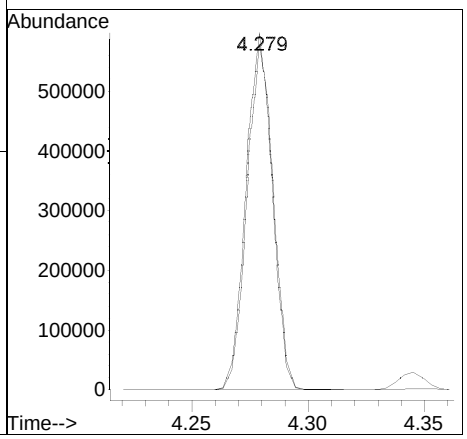


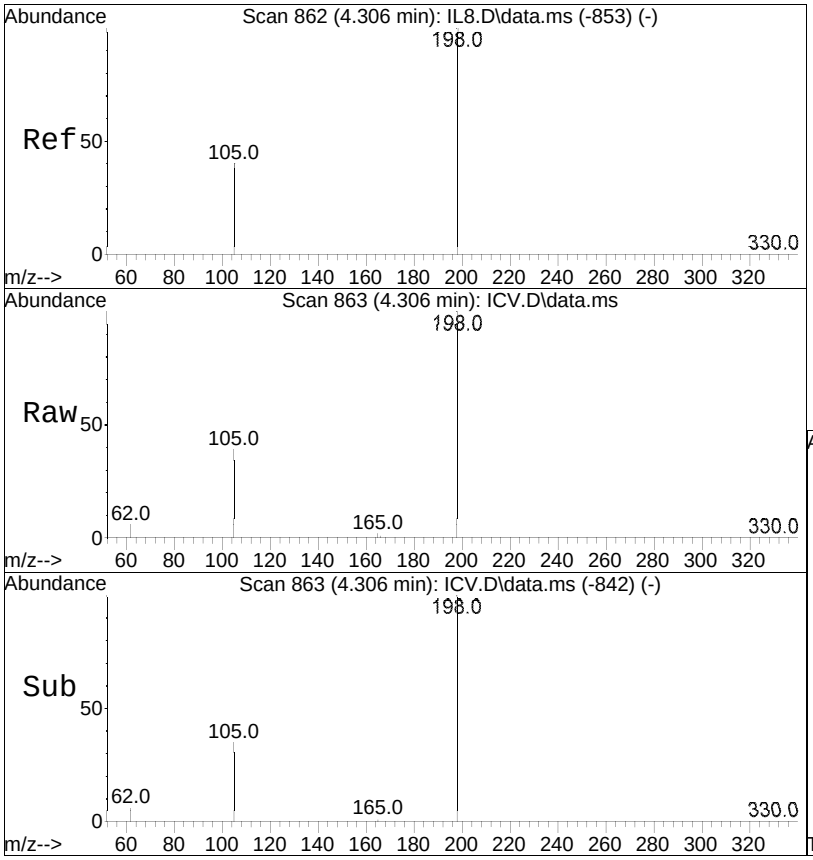


#20
Fluorene
Concen: 921.27 ng/ml
RT: 4.279 min Scan# 856
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:166 Resp: 453438

Ion	Ratio	Lower	Upper
166	100		
165	102.8	82.2	123.4

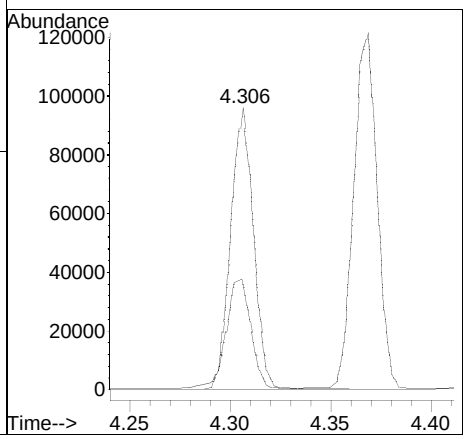


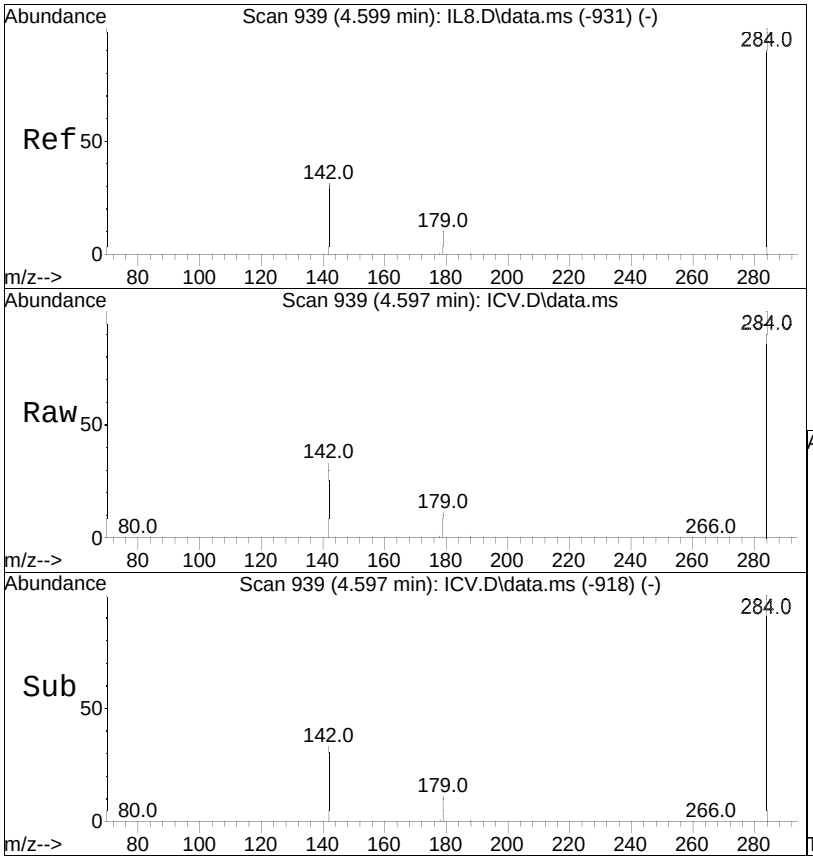


#23
4,6-Dinitro-o-cresol
Concen: 843.68 ng/ml
RT: 4.306 min Scan# 863
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:198 Resp: 75164

Ion	Ratio	Lower	Upper
198	100		
105	42.8	33.1	49.7

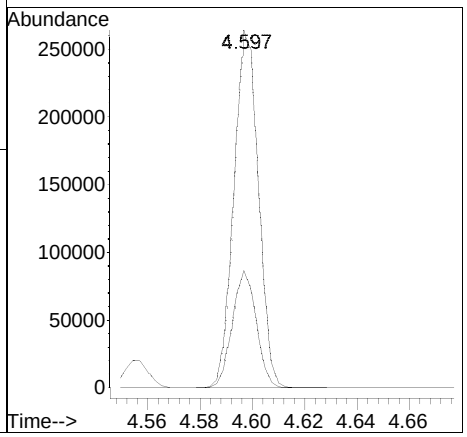


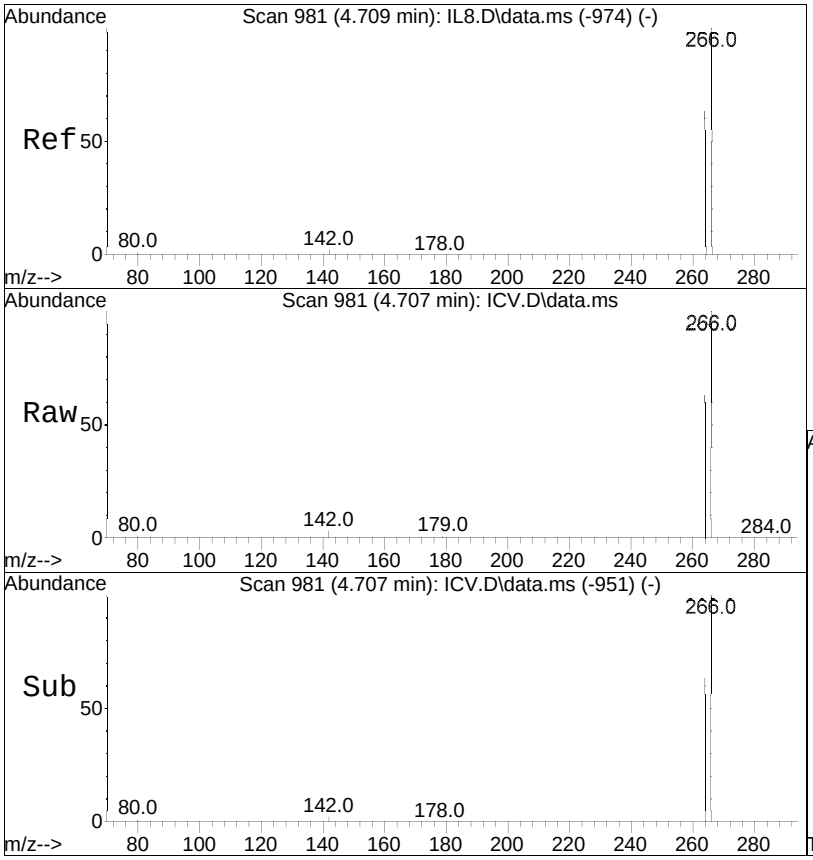


#24
Hexachlorobenzene
Concen: 915.21 ng/ml
RT: 4.597 min Scan# 939
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:284 Resp: 169510

Ion	Ratio	Lower	Upper
284	100		
142	32.1	25.4	38.0

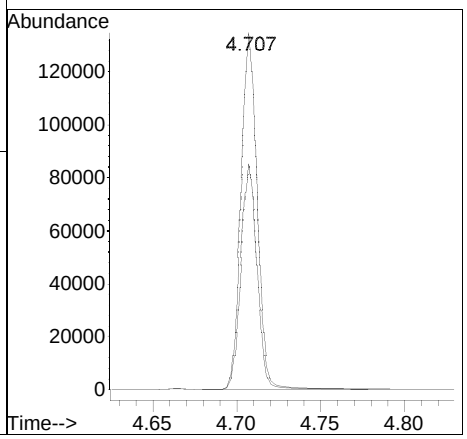


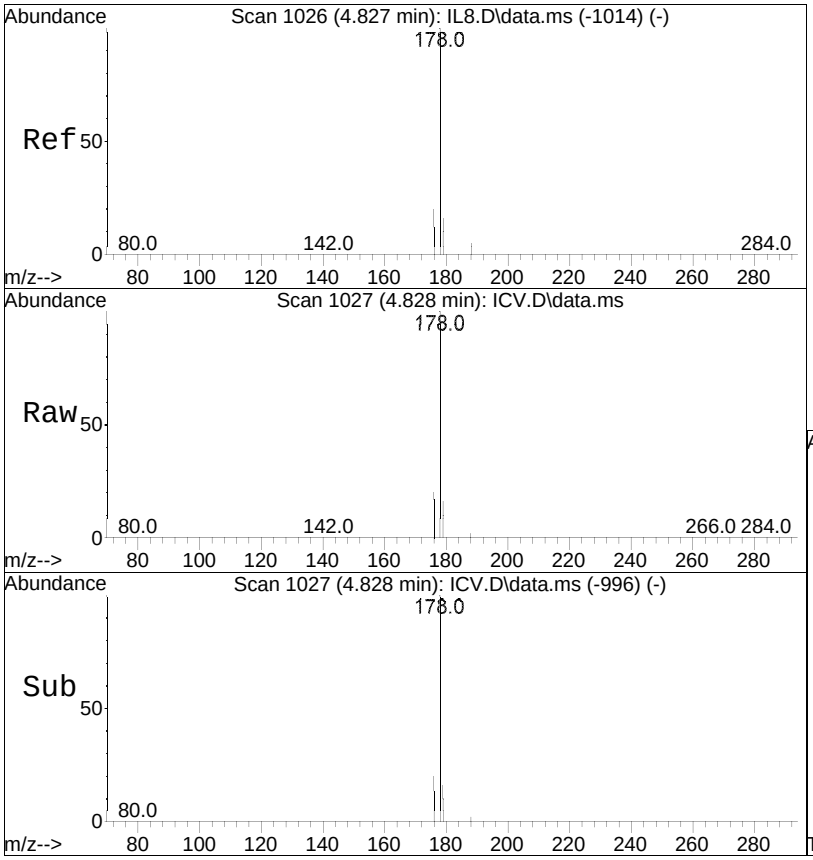


#25
Pentachlorophenol
Concen: 1001.41 ng/ml
RT: 4.707 min Scan# 981
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:266 Resp: 89449

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.6	76.0

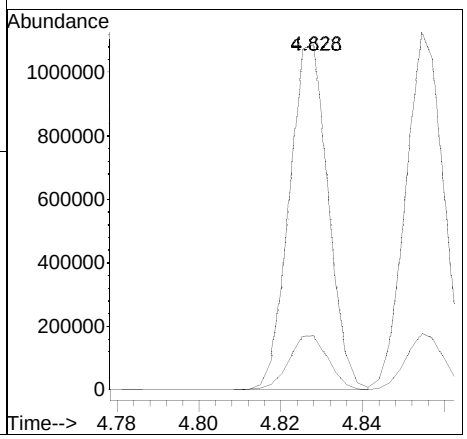


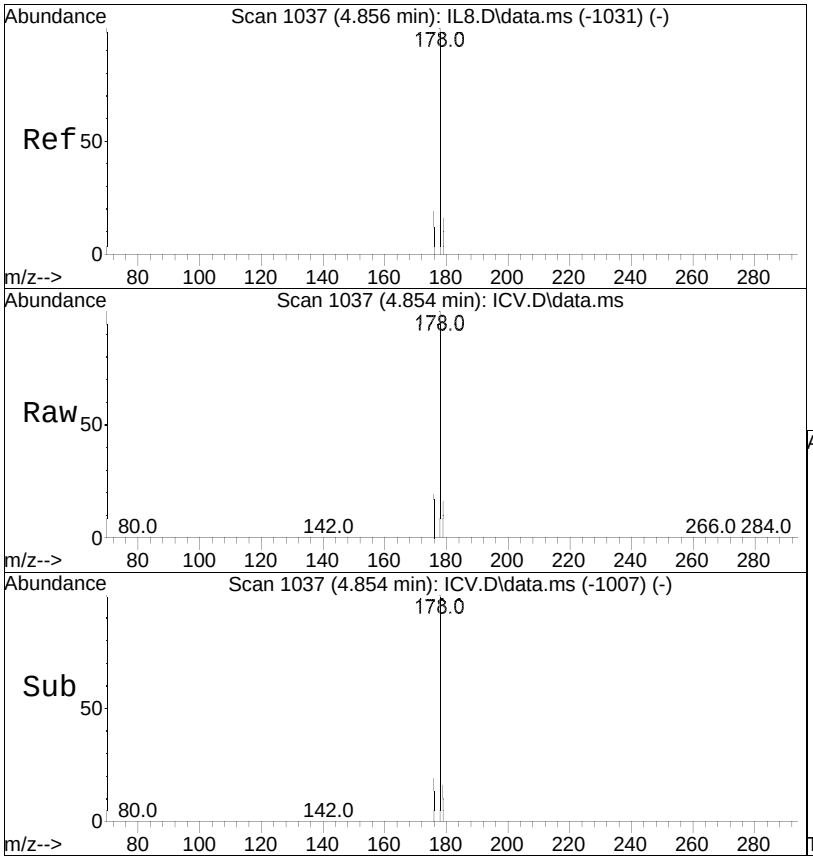


#26
Phenanthrene
Concen: 900.28 ng/ml
RT: 4.828 min Scan# 1027
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:178 Resp: 718689

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.8	19.2

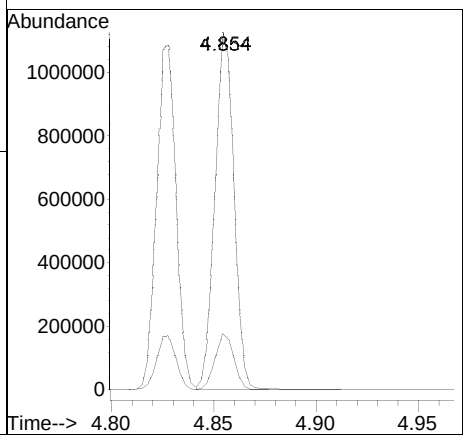


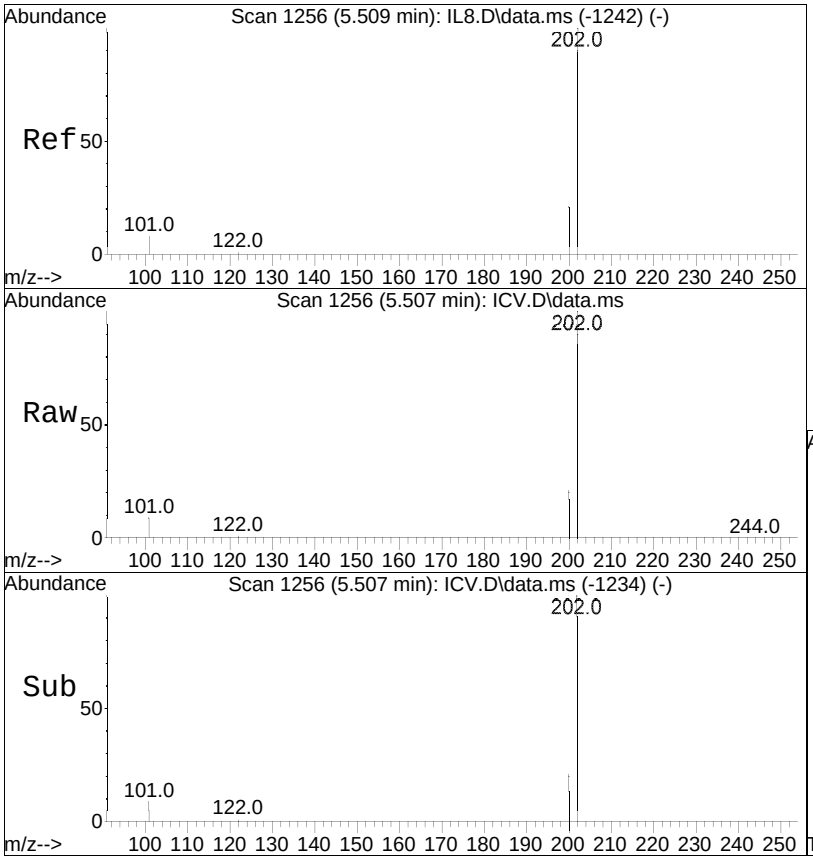


#27
Anthracene
Concen: 950.79 ng/ml
RT: 4.854 min Scan# 1037
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:178 Resp: 730853

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	18.8

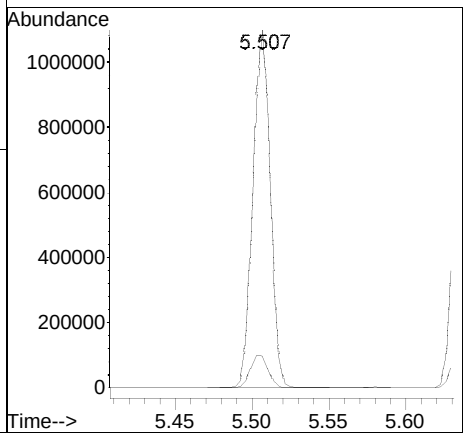


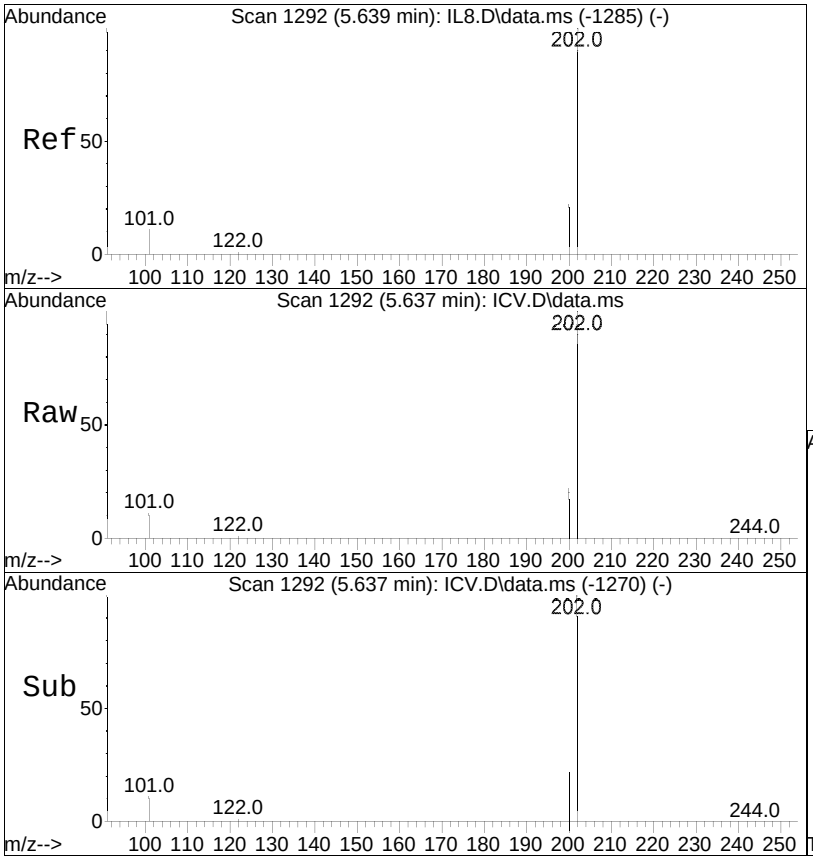


#28
Fluoranthene
Concen: 933.86 ng/ml
RT: 5.507 min Scan# 1256
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:202 Resp: 856217

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.7	11.5

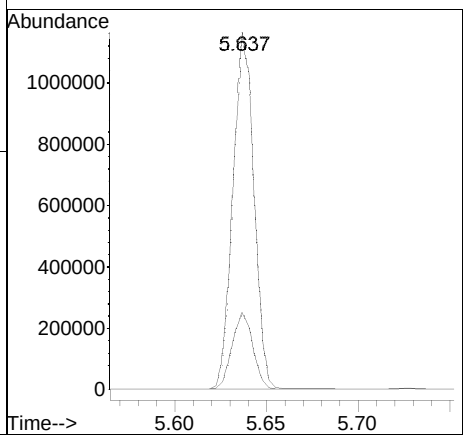


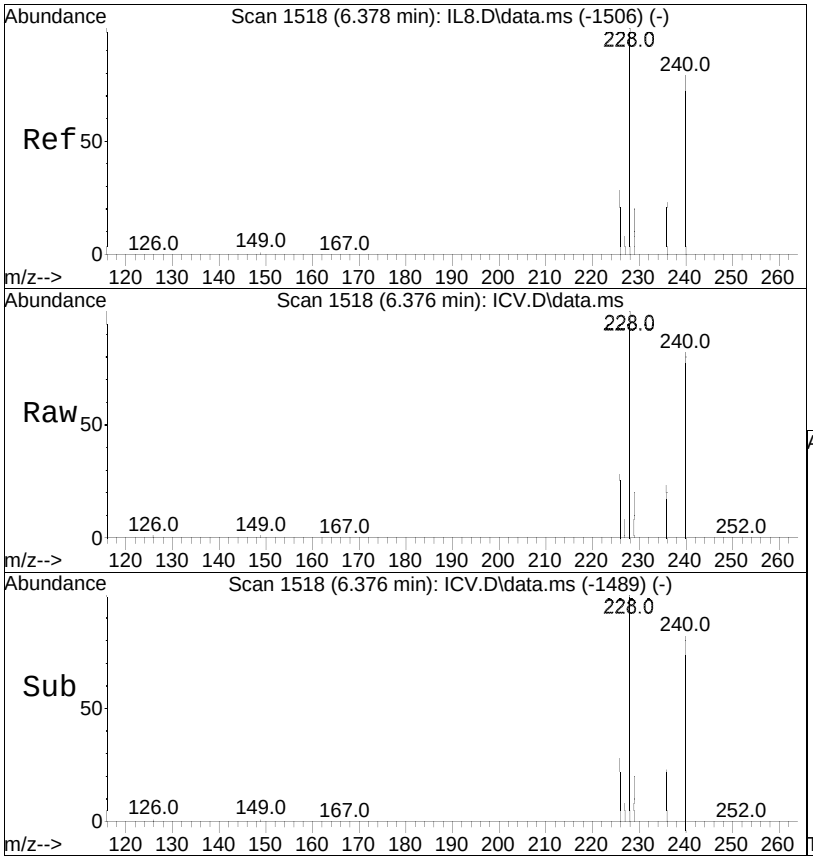


#29
Pyrene
Concen: 943.32 ng/ml
RT: 5.637 min Scan# 1292
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:202 Resp: 913997

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9

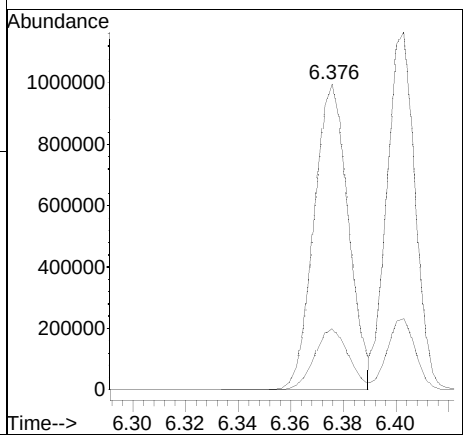


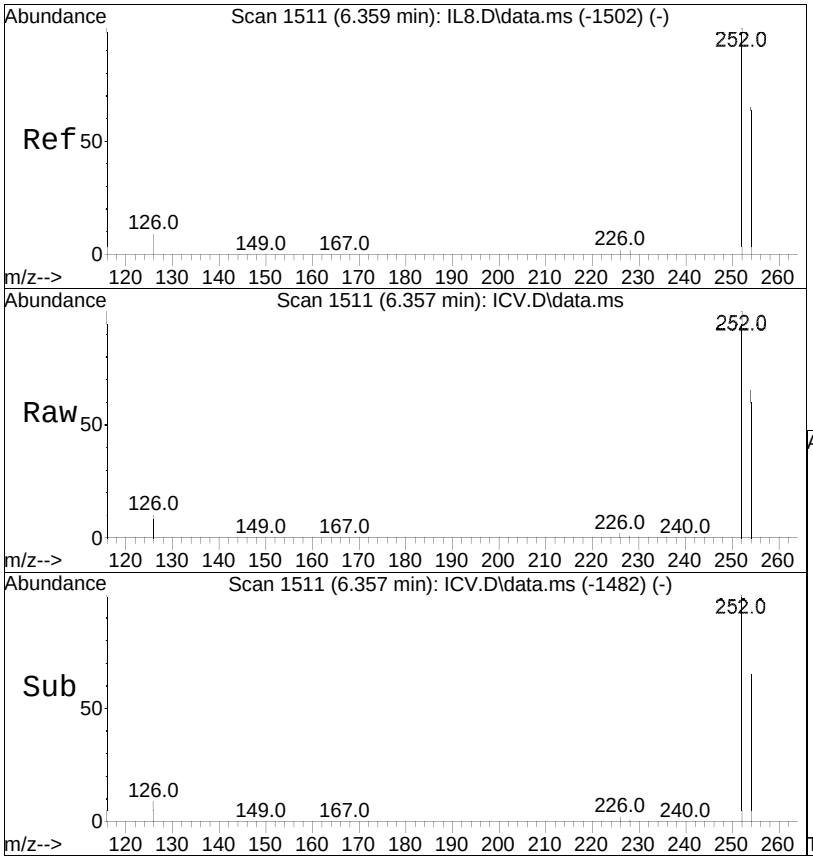


#32
Benzo[a]anthracene
Concen: 990.67 ng/ml
RT: 6.376 min Scan# 1518
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:228 Resp: 901993

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.9	23.9

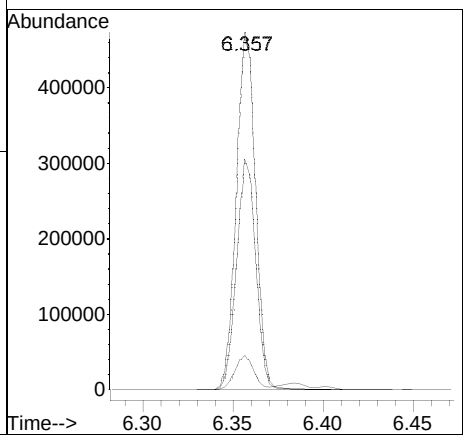


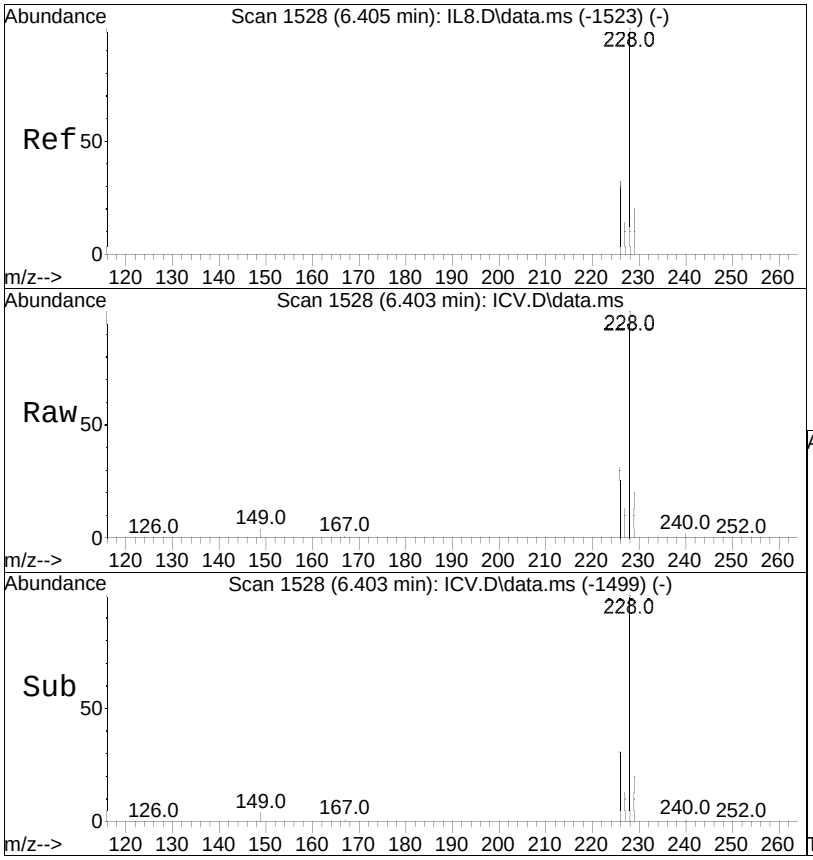


#33
3,3'-Dichlorobenzidine
Concen: 1023.92 ng/ml
RT: 6.357 min Scan# 1511
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:252 Resp: 344437

Ion	Ratio	Lower	Upper
252	100		
126	9.7	7.8	11.8
254	64.7	51.8	77.8

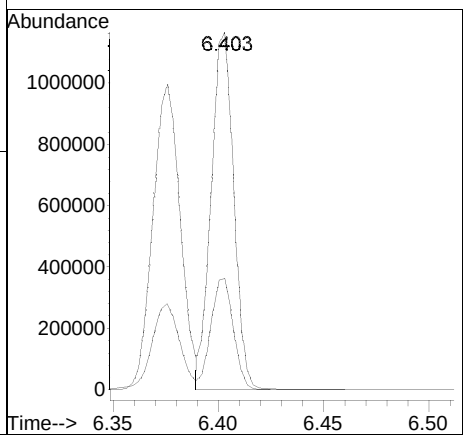


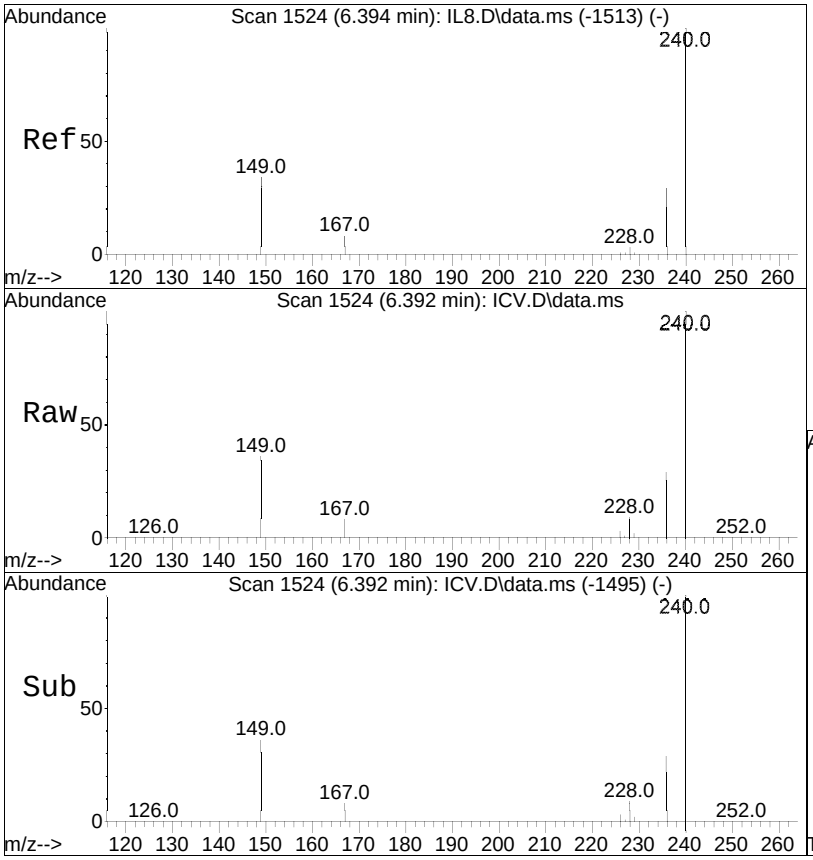


#34
Chrysene
Concen: 1015.95 ng/ml
RT: 6.403 min Scan# 1528
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:228 Resp: 862997

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6

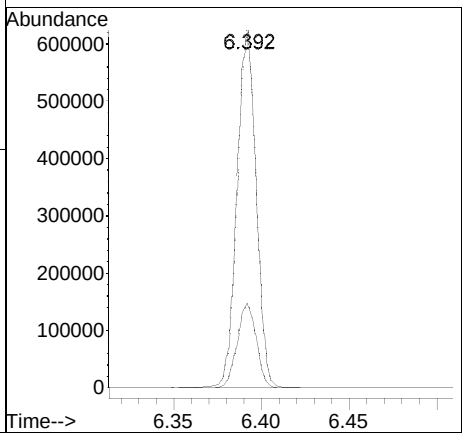


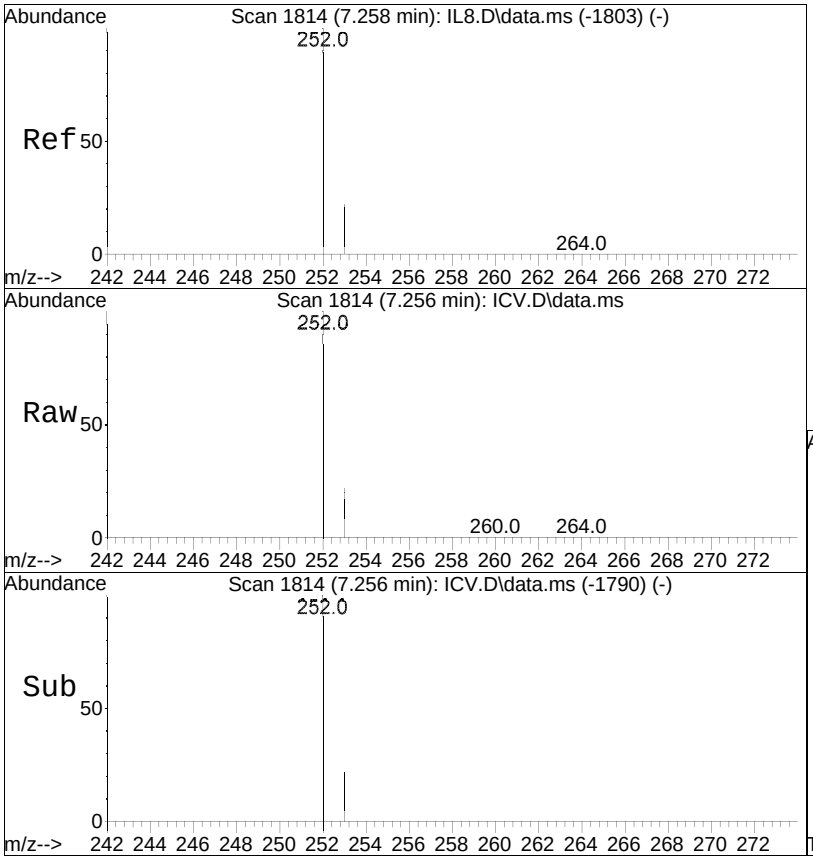


#35
Bis(2-ethylhexyl)phthalate
Concen: 957.04 ng/ml
RT: 6.392 min Scan# 1524
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:149 Resp: 465133

Ion	Ratio	Lower	Upper
149	100		
167	23.6	19.0	28.4

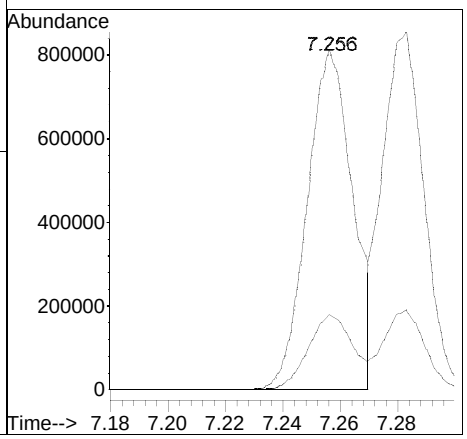


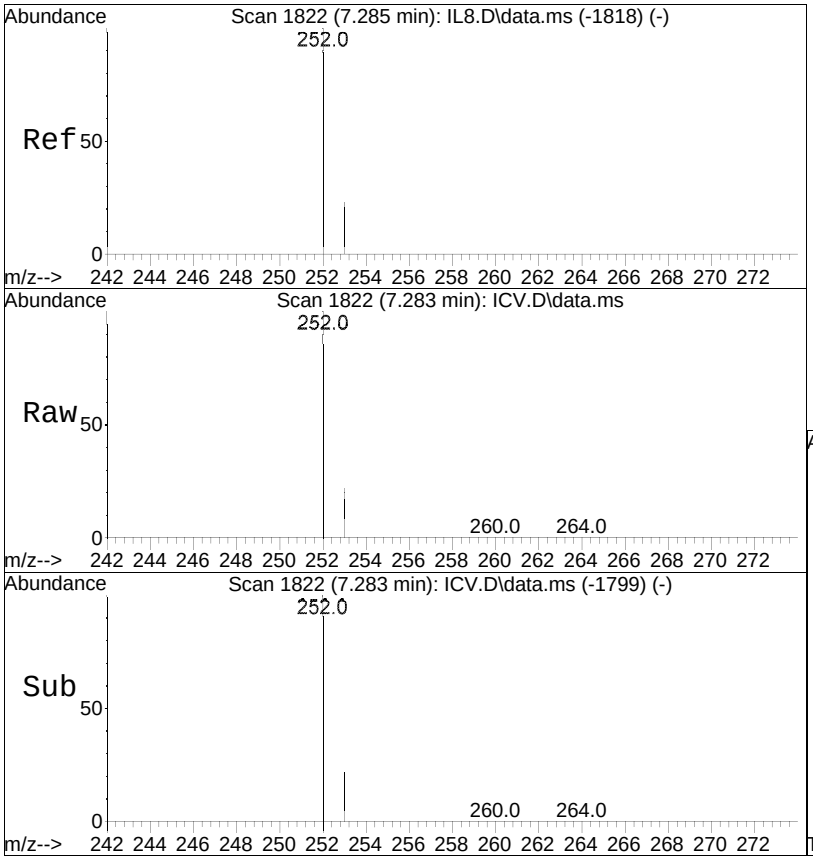


#37
Benzo[b]fluoranthene
Concen: 965.39 ng/ml
RT: 7.256 min Scan# 1814
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:252 Resp: 900795

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4

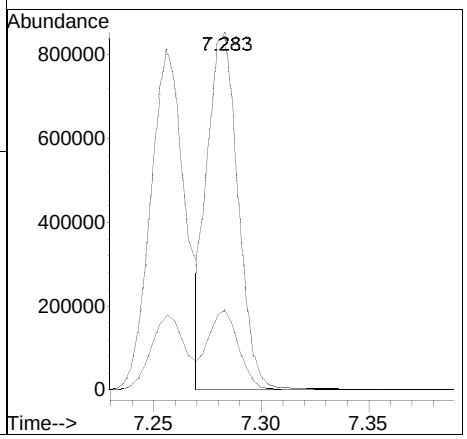


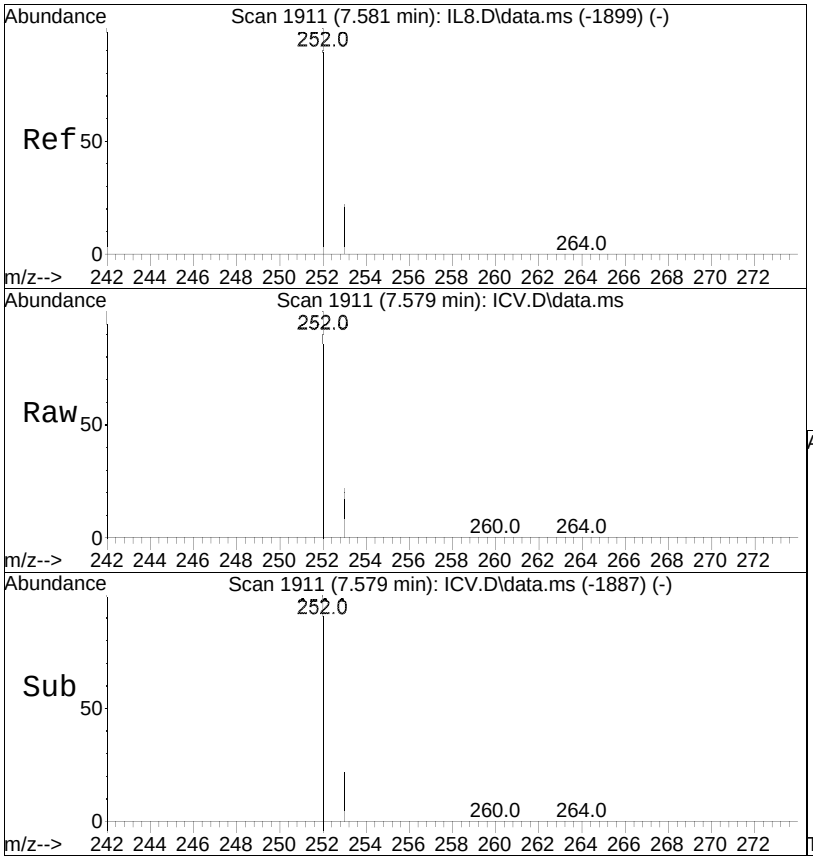


#38
Benzo[k]fluoranthene
Concen: 991.62 ng/ml
RT: 7.283 min Scan# 1822
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:252 Resp: 845590

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8

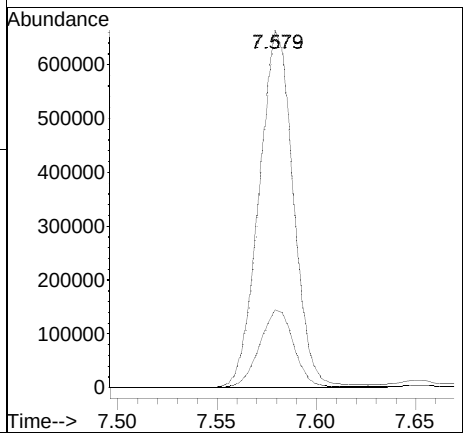


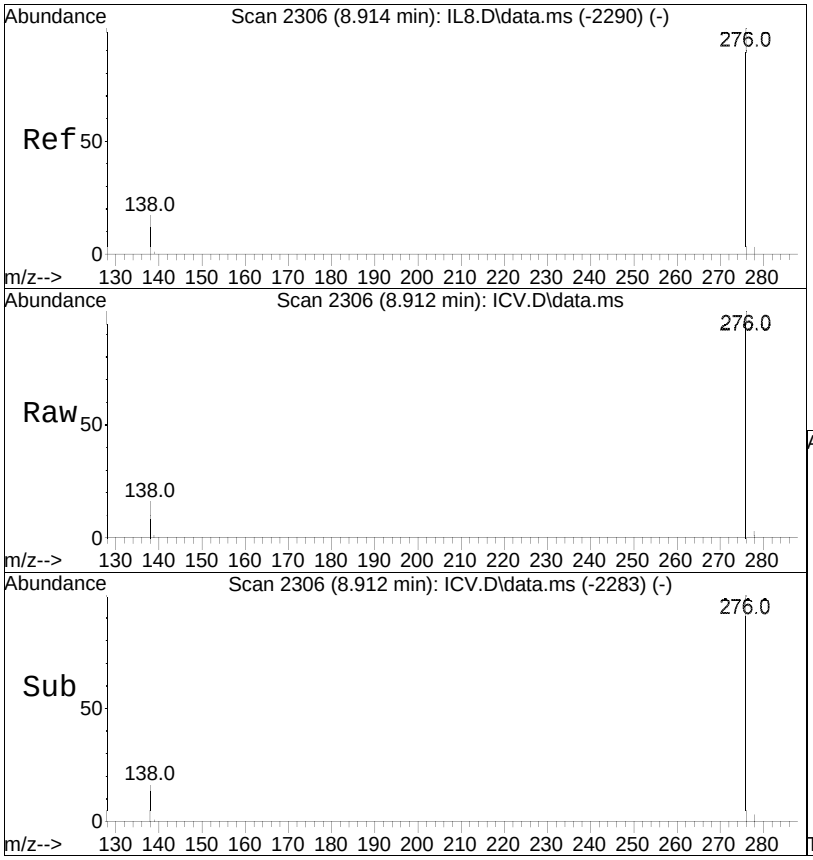


#39
Benzo[a]pyrene
Concen: 1018.01 ng/ml
RT: 7.579 min Scan# 1911
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:252 Resp: 787817

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3

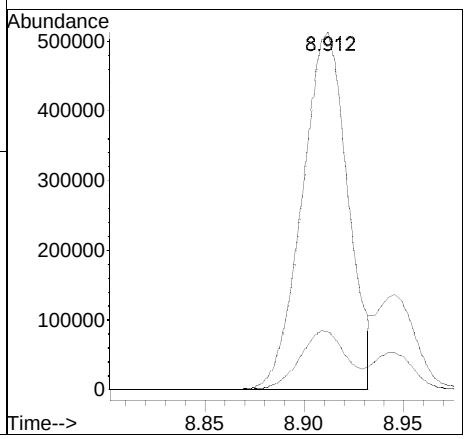


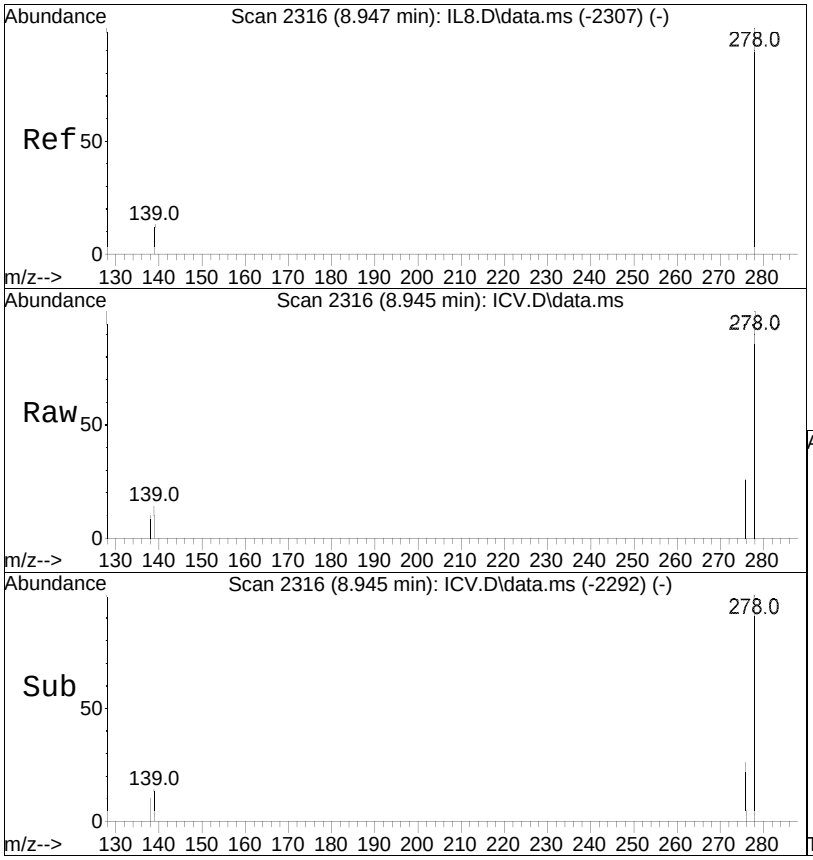


#40
Indeno[1,2,3-cd]pyrene
Concen: 978.39 ng/ml
RT: 8.912 min Scan# 2306
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:276 Resp: 813164

Ion	Ratio	Lower	Upper
276	100		
138	16.9	13.3	19.9

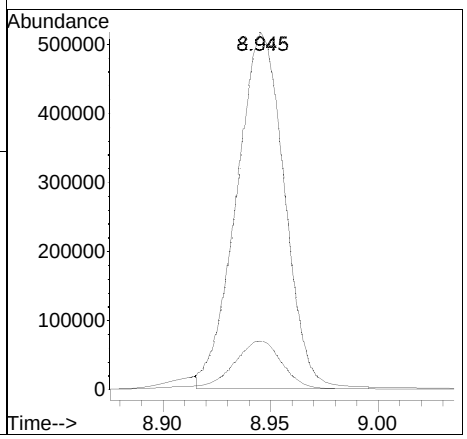


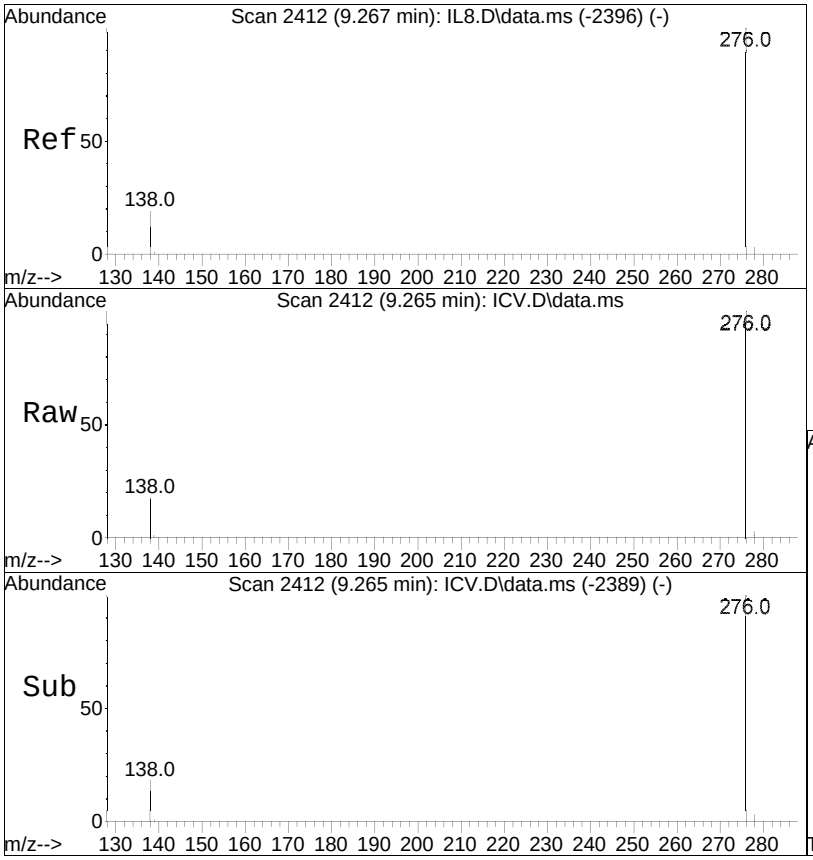


#41
Dibenzo[a,h]anthracene
Concen: 1036.87 ng/ml M6
RT: 8.945 min Scan# 2316
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:278 Resp: 793775

Ion	Ratio	Lower	Upper
278	100		
139	14.2	11.1	16.7

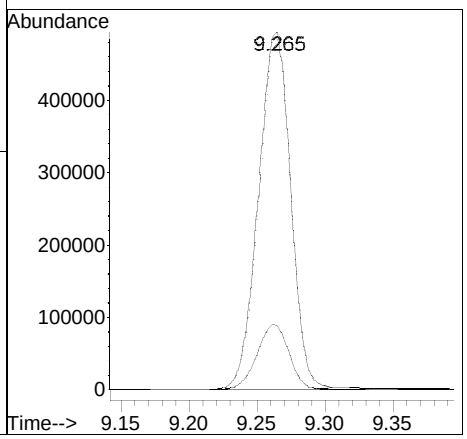




#42
Benzo[g,h,i]perylene
Concen: 992.14 ng/ml
RT: 9.265 min Scan# 2412
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 05 Nov 2024 01:52 pm

Tgt Ion:276 Resp: 801192

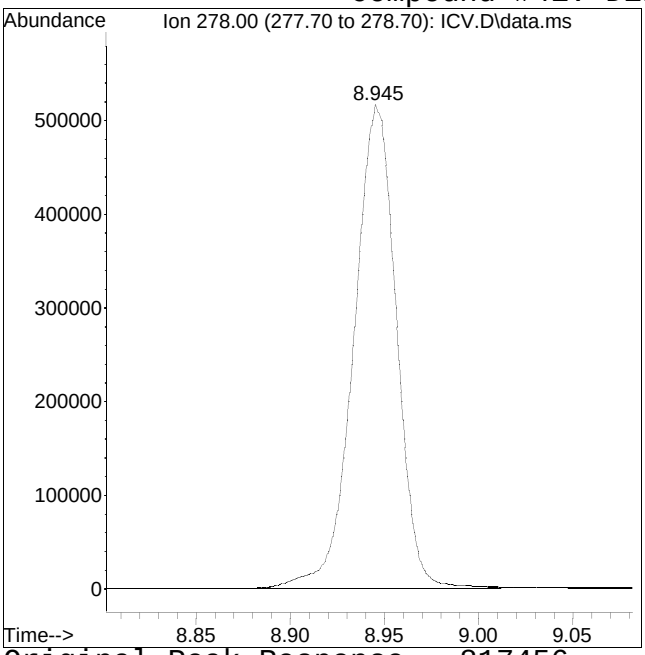
Ion	Ratio	Lower	Upper
276	100		
138	18.3	14.6	22.0



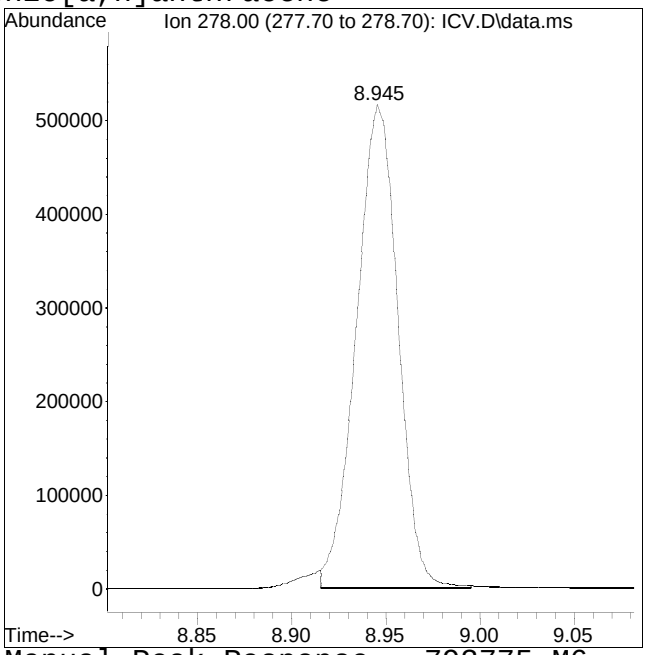
Manual Integration Report

Data Path : I:\8270SIM\SV125\241105nRVQMethod : SIM-RVT_241105n_sv125.M
Data File : ICV.D Operator : SV125:jjw
Date Inj'd : 11/5/2024 1:52 pm Instrument : SV125
Sample : CQICV,32,, 1.000 Lot#10884Quant Date : 12/2/2024 5:57 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 817456



Manual Peak Response = 793775 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV125

Method Path : I:\8270SIM\SV125\241105nRVTical\
Method File : SIM-RVT_241105n_sv125.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Nov 06 17:36:22 2024

		COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
4	T	Bis(2-chloroethyl)ether	Q	ng/ml	1000.0	935.826	-6.4	10.00	6.071	-39.3
23	T	4,6-Dinitro-o-cresol	L	ng/ml	1000.0	992.866	-0.7	40.00	43.086	7.7
25	T	Pentachlorophenol	Q	ng/ml	1000.0	1068.435	6.8	10.00	13.865	38.6
32	T	Benzo[a]anthracene	L	ng/ml	1000.0	1046.782	4.7	1.00	0.852	-14.8

Calibration Correlation Report

		COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
4	T	Bis(2-chloroethyl)ether	Quadratic	0.995083	-0.101510	1.1455	0.0011501
23	T	4,6-Dinitro-o-cresol	Linear	0.998988	0.000000	0.12679	-0.00072076
25	T	Pentachlorophenol	Quadratic	0.997296	0.081577	0.104351	-0.000270563
32	T	Benzo[a]anthracene	Linear	0.998172	0.000000	1.20085	0.00315791

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV120	**Calibration Date**	: 12/05/24 05:56		
Lab File ID	: CCV1205	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2005462-3	**Init. Calib. Times**	: 07:30	09:57	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	94	0
2-Fluorophenol	1.177	1.129	.05	4.1	20	92	0
Phenol-d6	1.447	1.361	.05	5.9	20	89	0
Bis(2-chloroethyl)ether	1000	873.048	.05	12.7	20	86	0
n-nitrosodi-n-propylamine	0.873	0.779	.05	10.8	20	84	0
Hexachloroethane	0.524	0.48	.05	8.4	20	87	0
Nitrobenzene-d5	1.277	1.17	.05	8.4	20	86	0
Naphthalene-d8	1	1	.05	0	20	93	0
Naphthalene	1	0.896	.05	10.4	20	88	0
Hexachlorobutadiene	0.189	0.174	.05	7.9	20	89	0
2-Methylnaphthalene	0.694	0.622	.05	10.4	20	87	0
1-Methylnaphthalene	0.639	0.568	.05	11.1	20	87	0
2-Fluorobiphenyl	0.806	0.686	.05	14.9	20	86	0
2-Chloronaphthalene	0.689	0.604	.05	12.3	20	87	0
2,6-Dinitrotoluene	0.156	0.139	.05	10.9	20	85	0
Acenaphthylene	0.994	0.899	.05	9.6	20	86	0
Acenaphthene-d10	1	1	.05	0	20	90	0
Acenaphthene	1.207	1.071	.05	11.3	20	85	0
2,4-Dinitrotoluene	0.336	0.334	.05	0.6	20	86	0
Fluorene	1.306	1.192	.05	8.7	20	85	0
2,4,6-Tribromophenol	0.159	0.169	.05	-6.3	20	92	0
Phenanthrene-d10	1	1	.05	0	20	91	0
4,6-Dinitro-o-cresol	1000	824.425	.05	17.6	20	79	0
Hexachlorobenzene	0.211	0.2	.05	5.2	20	90	0
Pentachlorophenol	1000	850.697	.05	14.9	20	78	0
Phenanthrene	0.953	0.898	.05	5.8	20	85	0
Anthracene	0.986	0.901	.05	8.6	20	84	0
Fluoranthene	1.098	1.011	.05	7.9	20	88	0
Pyrene	1.132	1.059	.05	6.4	20	89	0
4-Terphenyl-d14	0.727	0.594	.05	18.3	20	78	0
Chrysene-d12	1	1	.05	0	20	91	0
Benzo[a]anthracene	1000	920.095	.05	8	20	85	0
3,3'-Dichlorobenzidine	0.432	0.435	.05	-0.7	20	89	0
Chrysene	1.059	1.063	.05	-0.4	20	85	0
Bis(2-ethylhexyl)phthalate	0.708	0.669	.05	5.5	20	85	0
Perylene-d12	1	1	.05	0	20	91	0
Benzo[b]fluoranthene	1.214	1.064	.05	12.4	20	82	0
Benzo[k]fluoranthene	1.091	1.054	.05	3.4	20	85	0
Benzo[a]pyrene	0.994	0.954	.05	4	20	84	0
Indeno[1,2,3-cd]pyrene	1.017	0.93	.05	8.6	20	82	0
Dibenzo[a,h]anthracene	0.955	0.896	.05	6.2	20	84	0
Benzo[g,h,i]perylene	0.987	0.898	.05	9	20	82	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV125	**Calibration Date**	: 12/05/24 06:29		
Lab File ID	: CCV1205	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2005685-3	**Init. Calib. Times**	: 11:10	13:36	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	89	0
2-Fluorophenol	1.075	1.019	.05	5.2	20	87	0
Phenol-d6	1.36	1.207	.05	11.3	20	83	0
Bis(2-chloroethyl)ether	1000	867.44	.05	13.3	20	83	0
n-nitrosodi-n-propylamine	0.775	0.694	.05	10.5	20	77	0
Hexachloroethane	0.503	0.452	.05	10.1	20	83	0
Nitrobenzene-d5	1.158	1.062	.05	8.3	20	79	0
Naphthalene-d8	1	1	.05	0	20	95	0
Naphthalene	1.074	0.948	.05	11.7	20	87	0
Hexachlorobutadiene	0.22	0.179	.05	18.6	20	79	0
2-Methylnaphthalene	0.724	0.655	.05	9.5	20	87	0
1-Methylnaphthalene	0.677	0.603	.05	10.9	20	86	0
2-Fluorobiphenyl	0.89	0.77	.05	13.5	20	84	0
2-Chloronaphthalene	0.758	0.667	.05	12	20	84	0
2,6-Dinitrotoluene	0.173	0.163	.05	5.8	20	84	0
Acenaphthylene	1.076	1.014	.05	5.8	20	86	0
Acenaphthene-d10	1	1	.05	0	20	93	0
Acenaphthene	1.289	1.135	.05	11.9	20	86	0
2,4-Dinitrotoluene	0.376	0.373	.05	0.8	20	87	0
Fluorene	1.423	1.268	.05	10.9	20	85	0
2,4,6-Tribromophenol	0.217	0.216	.05	0.5	20	81	0
Phenanthrene-d10	1	1	.05	0	20	99	0
4,6-Dinitro-o-cresol	1000	815.726	.05	18.4	20	81	0
Hexachlorobenzene	0.256	0.204	.05	20.3*	20	81	0
Pentachlorophenol	1000	846.399	.05	15.4	20	75	0
Phenanthrene	1.105	0.934	.05	15.5	20	88	0
Anthracene	1.064	0.948	.05	10.9	20	87	0
Fluoranthene	1.27	1.102	.05	13.2	20	87	0
Pyrene	1.342	1.175	.05	12.4	20	88	0
4-Terphenyl-d14	0.922	0.728	.05	21*	20	82	0
Chrysene-d12	1	1	.05	0	20	98	0
Benzo[a]anthracene	1000	943.424	.05	5.7	20	88	0
3,3'-Dichlorobenzidine	0.448	0.446	.05	0.4	20	90	0
Chrysene	1.132	1.096	.05	3.2	20	88	0
Bis(2-ethylhexyl)phthalate	0.648	0.669	.05	-3.2	20	95	0
Perylene-d12	1	1	.05	0	20	102	0
Benzo[b]fluoranthene	1.113	1.012	.05	9.1	20	91	0
Benzo[k]fluoranthene	1.017	0.928	.05	8.8	20	89	0
Benzo[a]pyrene	0.923	0.883	.05	4.3	20	91	0
Indeno[1,2,3-cd]pyrene	0.991	0.951	.05	4	20	93	0
Dibenzo[a,h]anthracene	0.913	0.915	.05	-0.2	20	96	0
Benzo[g,h,i]perylene	0.963	0.898	.05	6.7	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV125	**Calibration Date**	: 12/09/24 08:32		
Lab File ID	: CCV1209B	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2006821-3	**Init. Calib. Times**	: 11:10	13:36	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	87	0
2-Fluorophenol	1.075	1.073	.05	0.2	20	90	0
Phenol-d6	1.36	1.291	.05	5.1	20	87	0
Bis(2-chloroethyl)ether	1000	917.983	.05	8.2	20	86	0
n-nitrosodi-n-propylamine	0.775	0.706	.05	8.9	20	77	0
Hexachloroethane	0.503	0.495	.05	1.6	20	89	0
Nitrobenzene-d5	1.158	1.093	.05	5.6	20	80	0
Naphthalene-d8	1	1	.05	0	20	88	0
Naphthalene	1.074	1.029	.05	4.2	20	87	0
Hexachlorobutadiene	0.22	0.2	.05	9.1	20	82	0
2-Methylnaphthalene	0.724	0.691	.05	4.6	20	85	0
1-Methylnaphthalene	0.677	0.64	.05	5.5	20	85	0
2-Fluorobiphenyl	0.89	0.807	.05	9.3	20	82	0
2-Chloronaphthalene	0.758	0.695	.05	8.3	20	81	0
2,6-Dinitrotoluene	0.173	0.167	.05	3.5	20	80	0
Acenaphthylene	1.076	1.043	.05	3.1	20	82	0
Acenaphthene-d10	1	1	.05	0	20	81	0
Acenaphthene	1.289	1.245	.05	3.4	20	82	0
2,4-Dinitrotoluene	0.376	0.406	.05	-8	20	82	0
Fluorene	1.423	1.365	.05	4.1	20	81	0
2,4,6-Tribromophenol	0.217	0.237	.05	-9.2	20	78	0
Phenanthrene-d10	1	1	.05	0	20	84	0
4,6-Dinitro-o-cresol	1000	939.562	.05	6	20	79	0
Hexachlorobenzene	0.256	0.229	.05	10.5	20	77	0
Pentachlorophenol	1000	988.569	.05	1.1	20	76	0
Phenanthrene	1.105	1.038	.05	6.1	20	82	0
Anthracene	1.064	1.045	.05	1.8	20	81	0
Fluoranthene	1.27	1.247	.05	1.8	20	83	0
Pyrene	1.342	1.336	.05	0.4	20	85	0
4-Terphenyl-d14	0.922	0.824	.05	10.6	20	78	0
Chrysene-d12	1	1	.05	0	20	83	0
Benzo[a]anthracene	1000	1058.866	.05	-5.9	20	83	0
3,3'-Dichlorobenzidine	0.448	0.505	.05	-12.7	20	86	0
Chrysene	1.132	1.251	.05	-10.5	20	85	0
Bis(2-ethylhexyl)phthalate	0.648	0.791	.05	-22.1*	20	95	0
Perylene-d12	1	1	.05	0	20	81	0
Benzo[b]fluoranthene	1.113	1.18	.05	-6	20	84	0
Benzo[k]fluoranthene	1.017	1.105	.05	-8.7	20	84	0
Benzo[a]pyrene	0.923	1.028	.05	-11.4	20	85	0
Indeno[1,2,3-cd]pyrene	0.991	1.077	.05	-8.7	20	84	0
Dibenzo[a,h]anthracene	0.913	1.024	.05	-12.2	20	85	0
Benzo[g,h,i]perylene	0.963	1.013	.05	-5.2	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV118	**Calibration Date**	: 12/10/24 06:12		
Lab File ID	: CCV1210	**Init. Calib. Date(s)**	: 10/25/24	10/25/24	
Sample No	: WG2007182-3	**Init. Calib. Times**	: 16:43	19:21	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	100	0
2-Fluorophenol	1.131	1.072	.01	5.2	20	97	0
Phenol-d6	1.39	1.282	.01	7.8	20	93	0
Bis(2-chloroethyl)ether	1000	860.338	.01	14	20	84	0
n-nitrosodi-n-propylamine	0.879	0.655	.01	25.5*	20	75	0
Hexachloroethane	0.502	0.493	.01	1.8	20	98	0
Nitrobenzene-d5	0.897	1.019	.01	-13.6	20	108	0
Naphthalene-d8	1	1	.01	0	20	97	0
Naphthalene	1.053	0.995	.01	5.5	20	94	0
Hexachlorobutadiene	0.187	0.187	.01	0	20	98	0
2-Methylnaphthalene	0.674	0.676	.01	-0.3	20	98	0
1-Methylnaphthalene	0.627	0.625	.01	0.3	20	98	0
2-Fluorobiphenyl	0.769	0.757	.01	1.6	20	98	0
2-Chloronaphthalene	0.677	0.655	.01	3.2	20	94	0
2,6-Dinitrotoluene	0.092	0.144	.01	-56.5*	20	144	0
Acenaphthylene	1.002	0.996	.01	0.6	20	94	0
Acenaphthene-d10	1	1	.01	0	20	100	0
Acenaphthene	1.308	1.218	.01	6.9	20	96	0
2,4-Dinitrotoluene	1000	1423.121	.01	-42.3*	20	154	0
Fluorene	1.393	1.355	.01	2.7	20	98	0
2,4,6-Tribromophenol	0.184	0.232	.01	-26.1*	20	119	0
Phenanthrene-d10	1	1	.01	0	20	101	0
4,6-Dinitro-o-cresol	1000	1804.104	.01	-80.4*	20	199	0
Hexachlorobenzene	0.263	0.235	.01	10.6	20	92	0
Pentachlorophenol	0.098	0.108	.01	-10.2	20	99	0
Phenanthrene	1.086	1.022	.01	5.9	20	99	0
Anthracene	1.066	1.034	.01	3	20	98	0
Fluoranthene	1.216	1.154	.01	5.1	20	97	0
Pyrene	1.291	1.239	.01	4	20	98	0
4-Terphenyl-d14	0.818	0.823	.01	-0.6	20	105	0
Chrysene-d12	1	1	.01	0	20	100	0
Benzo[a]anthracene	0.392	0.332	.01	15.3	20	93	0
3,3'-Dichlorobenzidine	0.418	0.435	.01	-4.1	20	92	0
Chrysene	1.207	1.166	.01	3.4	20	98	0
Bis(2-ethylhexyl)phthalate	0.696	0.671	.01	3.6	20	91	0
Perylene-d12	1	1	.01	0	20	92	0
Benzo[b]fluoranthene	1.031	1.093	.01	-6	20	95	0
Benzo[k]fluoranthene	1.093	1.122	.01	-2.7	20	90	0
Benzo[a]pyrene	0.911	0.958	.01	-5.2	20	90	0
Indeno[1,2,3-cd]pyrene	0.849	0.867	.01	-2.1	20	83	0
Dibenzo[a,h]anthracene	0.865	0.915	.01	-5.8	20	89	0
Benzo[g,h,i]perylene	0.89	0.885	.01	0.6	20	87	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : ccv1205.D
Acq On : 05 Dec 2024 05:56 am
Operator : SV120:jjw
Sample : WG2005462-3,32,,ICV 10884 (1130)
Misc : WG2005462,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 05 06:13:13 2024
Quant Method : I:\8270SIM\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:32 2024
Response via : Initial Calibration

Min. RRF : 0.050 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	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2	s	2-Fluorophenol	1.177	1.129	4.1	92	0.00
3	s	Phenol-d6	1.447	1.361	5.9	89	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	873.048	12.7	86	0.00
5	T	n-nitrosodi-n-propylamine	0.873	0.779	10.8	84	0.00
6	t	Hexachloroethane	0.524	0.480	8.4	87	0.00
7	s	Nitrobenzene-d5	1.277	1.170	8.4	86	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	93	0.00
9	t	Naphthalene	1.000	0.896	10.4	88	0.00
10	t	Hexachlorobutadiene	0.189	0.174	7.9	89	0.00
11	t	2-Methylnaphthalene	0.694	0.622	10.4	87	0.00
12	t	1-Methylnaphthalene	0.639	0.568	11.1	87	0.00
13	s	2-Fluorobiphenyl	0.806	0.686	14.9	86	0.00
14	t	2-Chloronaphthalene	0.689	0.604	12.3	87	0.00
15	t	2,6-Dinitrotoluene	0.156	0.139	10.9	85	0.00
16	t	Acenaphthylene	0.994	0.899	9.6	86	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	90	0.00
18	t	Acenaphthene	1.207	1.071	11.3	85	0.00
19	t	2,4-Dinitrotoluene	0.336	0.334	0.6	86	0.00
20	t	Fluorene	1.306	1.192	8.7	85	0.00
21	s	2,4,6-Tribromophenol	0.159	0.169	-6.3	92	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	91	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	824.425	17.6	79	0.00
24	t	Hexachlorobenzene	0.211	0.200	5.2	90	0.00
25	t	Pentachlorophenol	*1000.000	850.697	14.9	78	0.00
26	t	Phenanthrene	0.953	0.898	5.8	85	0.00
27	t	Anthracene	0.986	0.901	8.6	84	0.00
28	t	Fluoranthene	1.098	1.011	7.9	88	0.00
29	t	Pyrene	1.132	1.059	6.4	89	0.00
30	s	4-Terphenyl-d14	0.727	0.594	18.3	78	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	91	0.00
32	t	Benzo[a]anthracene	*1000.000	920.095	8.0	85	0.00
33	t	3,3'-Dichlorobenzidine	0.432	0.435	-0.7	89	0.00
34	t	Chrysene	1.059	1.063	-0.4	85	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.708	0.669	5.5	85	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : ccv1205.D
Acq On : 05 Dec 2024 05:56 am
Operator : SV120:jjw
Sample : WG2005462-3,32,,ICV 10884 (1130)
Misc : WG2005462,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 05 06:13:13 2024
Quant Method : I:\8270SIM\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:32 2024
Response via : Initial Calibration

Min. RRF : 0.050 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)
36	i	Perylene-d12	1.000	1.000	0.0	91	0.00
37	t	Benzo[b]fluoranthene	1.214	1.064	12.4	82	0.00
38	t	Benzo[k]fluoranthene	1.091	1.054	3.4	85	0.00
39	t	Benzo[a]pyrene	0.994	0.954	4.0	84	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.017	0.930	8.6	82	0.00
41	t	Dibenzo[a,h]anthracene	0.955	0.896	6.2	84	0.00
42	t	Benzo[g,h,i]perylene	0.987	0.898	9.0	82	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:\8270SIM\sv120\241205RVT\
Data File : ccv1205.D
Acq On : 05 Dec 2024 05:56 am
Operator : SV120:jjw
Sample : WG2005462-3,32,,ICV 10884 (1130)
Misc : WG2005462,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 05 06:13:13 2024
Quant Method : I:\8270SIM\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:32 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.267	152	253534	4000.000	ng/ml	0.00
8) Naphthalene-d8	2.924	136	980217	4000.000	ng/ml	0.00
17) Acenaphthene-d10	3.903	164	553137	4000.000	ng/ml	0.00
22) Phenanthrene-d10	4.742	188	1056252	4000.000	ng/ml	0.00
31) Chrysene-d12	6.296	240	893857	4000.000	ng/ml	0.00
36) Perylene-d12	7.508	264	870545	4000.000	ng/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	1.712	112	71570	959.035	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.95%			
3) Phenol-d6	2.087	99	86248	940.579	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.03%			
7) Nitrobenzene-d5	2.546	82	74131	915.757	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 91.58%			
13) 2-Fluorobiphenyl	3.521	172	168004	850.359	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 85.04%			
21) 2,4,6-Tribromophenol	4.349	330	23351	1060.476	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.02%			
30) 4-Terphenyl-d14	5.655	244	156917	817.016	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 40.85%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.134	93	68326	873.048	ng/ml	96
5) n-nitrosodi-n-propylamine	2.463	70	49404	893.332	ng/ml	98
6) Hexachloroethane	2.521	117	30436	916.974	ng/ml	99
9) Naphthalene	2.935	128	219543	895.972	ng/ml	100
10) Hexachlorobutadiene	3.005	225	42572	916.918	ng/ml	100
11) 2-Methylnaphthalene	3.315	142	152528	896.615	ng/ml	99
12) 1-Methylnaphthalene	3.371	142	139209	889.672	ng/ml	100
14) 2-Chloronaphthalene	3.585	162	148012	876.477	ng/ml	100
15) 2,6-Dinitrotoluene	3.783	165	34064	891.179	ng/ml	99
16) Acenaphthylene	3.819	152	220223	904.500	ng/ml	100
18) Acenaphthene	3.919	153	148170	887.454	ng/ml	98
19) 2,4-Dinitrotoluene	4.011	165	46155	992.872	ng/ml	99
20) Fluorene	4.211	166	164791	912.166	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.241	198	25633	824.425	ng/ml	98
24) Hexachlorobenzene	4.528	284	52879	947.767	ng/ml	98
25) Pentachlorophenol	4.642	266	25854	850.697	ng/ml	100
26) Phenanthrene	4.753	178	237161	942.207	ng/ml	100
27) Anthracene	4.781	178	237858	913.356	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : ccv1205.D
Acq On : 05 Dec 2024 05:56 am
Operator : SV120:jjw
Sample : WG2005462-3,32,,ICV 10884 (1130)
Misc : WG2005462,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 05 06:13:13 2024
Quant Method : I:\8270SIM\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:32 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.433	202	267073	921.224	ng/ml	99
29) Pyrene	5.563	202	279593	935.264	ng/ml	100
32) Benzo[a]anthracene	6.288	228	252834	920.095	ng/ml	98
33) 3,3'-Dichlorobenzidine	6.274	252	97244	1006.440	ng/ml	99
34) Chrysene	6.313	228	237529	1003.768	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.308	149	149588	945.712	ng/ml	100
37) Benzo[b]fluoranthene	7.129	252	231469	876.273	ng/ml	100
38) Benzo[k]fluoranthene	7.152	252	229392	965.994	ng/ml	100
39) Benzo[a]pyrene	7.439	252	207607	959.534	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.730	276	202378	914.751	ng/ml	96
41) Dibenzo[a,h]anthracene	8.765	278	194928M6	937.870	ng/ml	
42) Benzo[g,h,i]perylene	9.074	276	195538	910.020	ng/ml	96

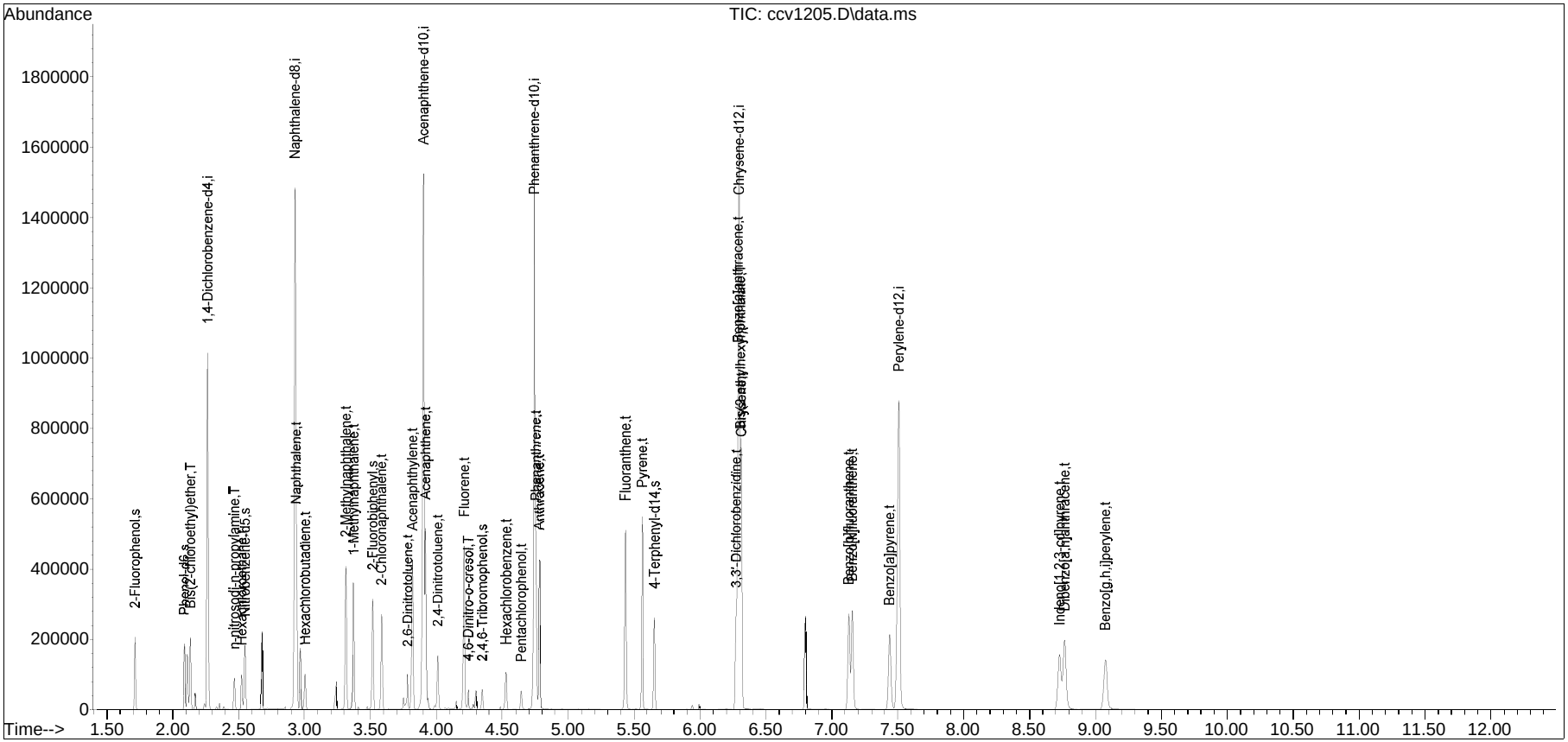
(#) = qualifier out of range (m) = manual integration (+) = signals summed

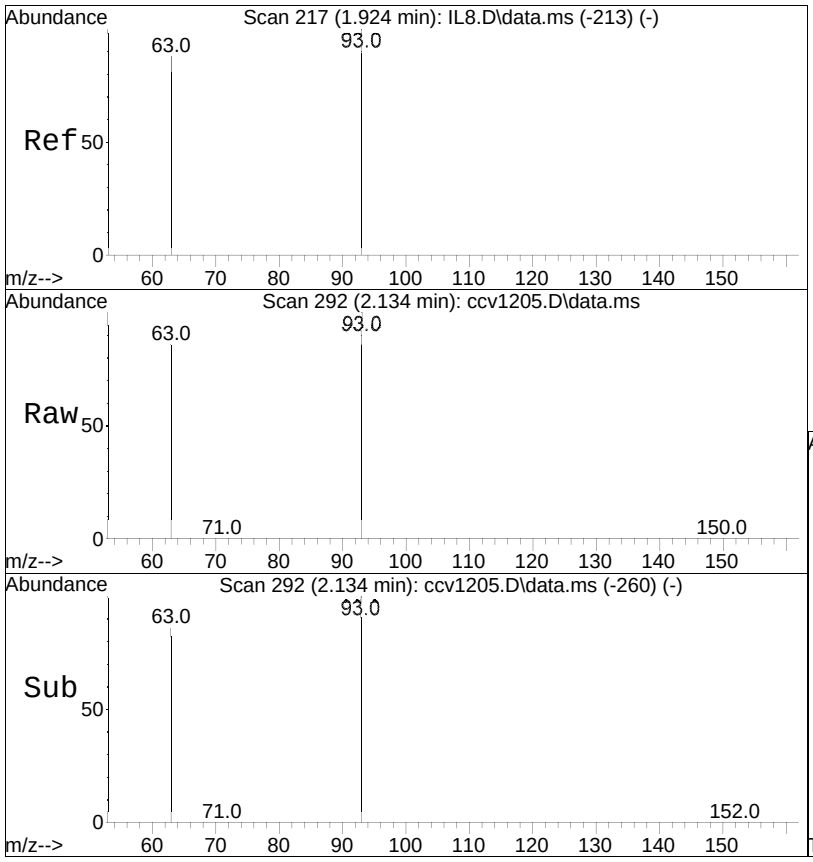
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : ccv1205.D
Acq On : 05 Dec 2024 05:56 am
Operator : SV120:jjw
Sample : WG2005462-3,32,,ICV 10884 (1130)
Misc : WG2005462,,ical21668
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 05 06:13:13 2024
Quant Method : I:\8270SIM\sv120\241205RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:14:32 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

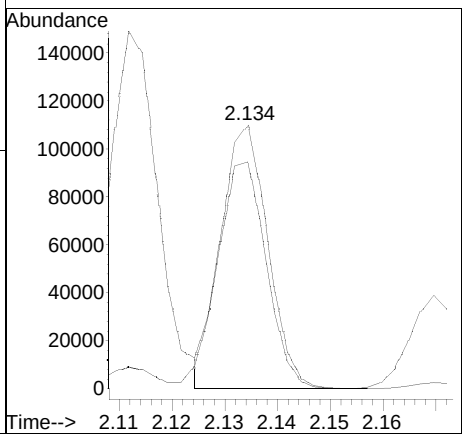


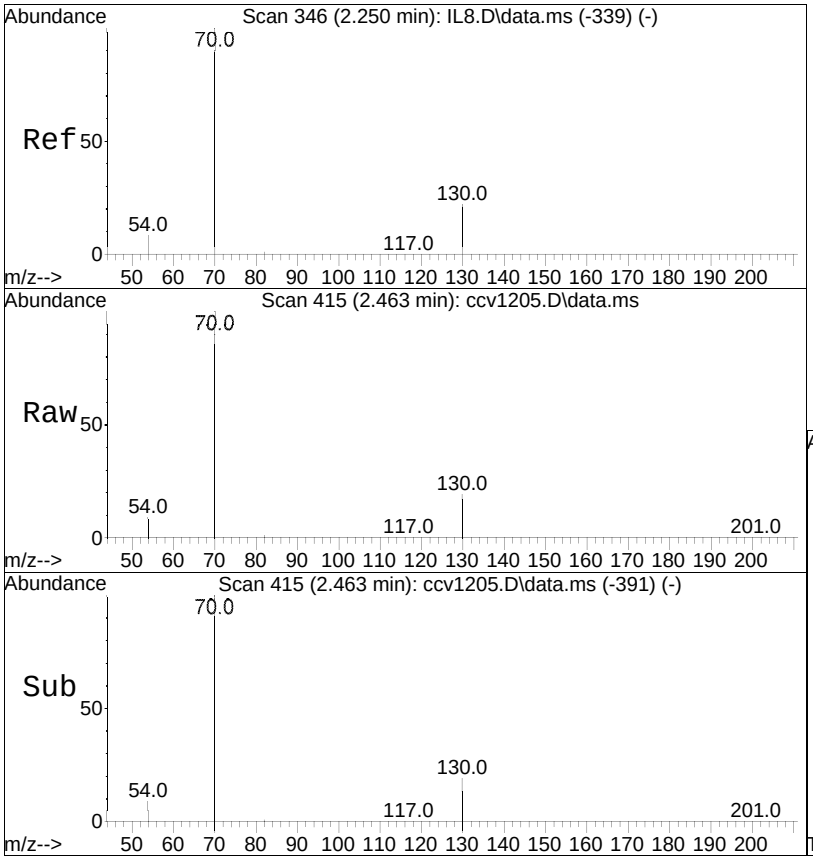


#4
Bis(2-chloroethyl)ether
Concen: 873.05 ng/ml
RT: 2.134 min Scan# 292
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion: 93 Resp: 68326

Ion	Ratio	Lower	Upper
93	100		
63	89.6	68.7	103.1

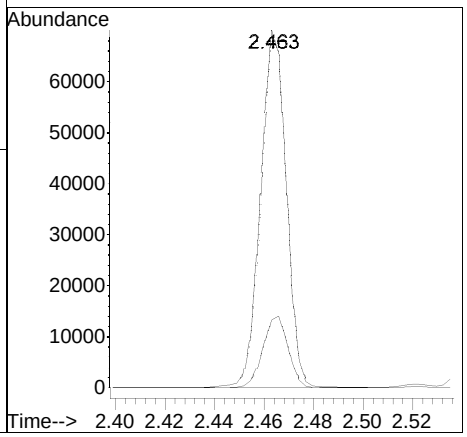


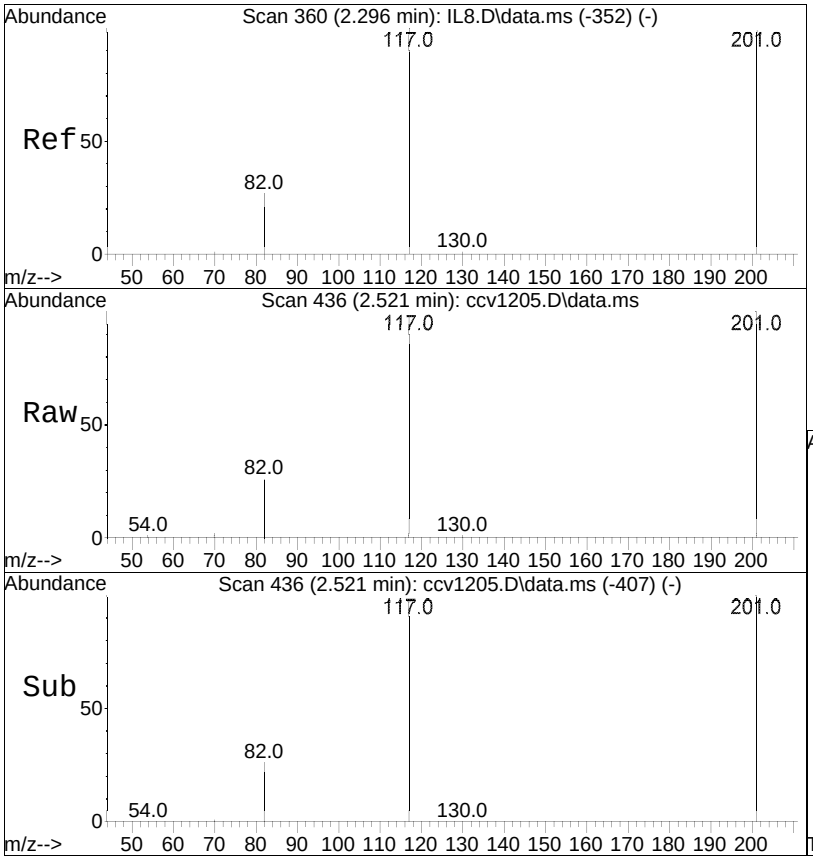


#5
n-nitrosodi-n-propylamine
Concen: 893.33 ng/ml
RT: 2.463 min Scan# 415
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion: 70 Resp: 49404

Ion	Ratio	Lower	Upper
70	100		
130	19.9	16.6	24.8

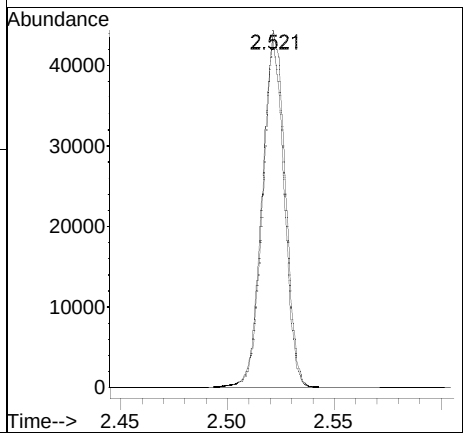


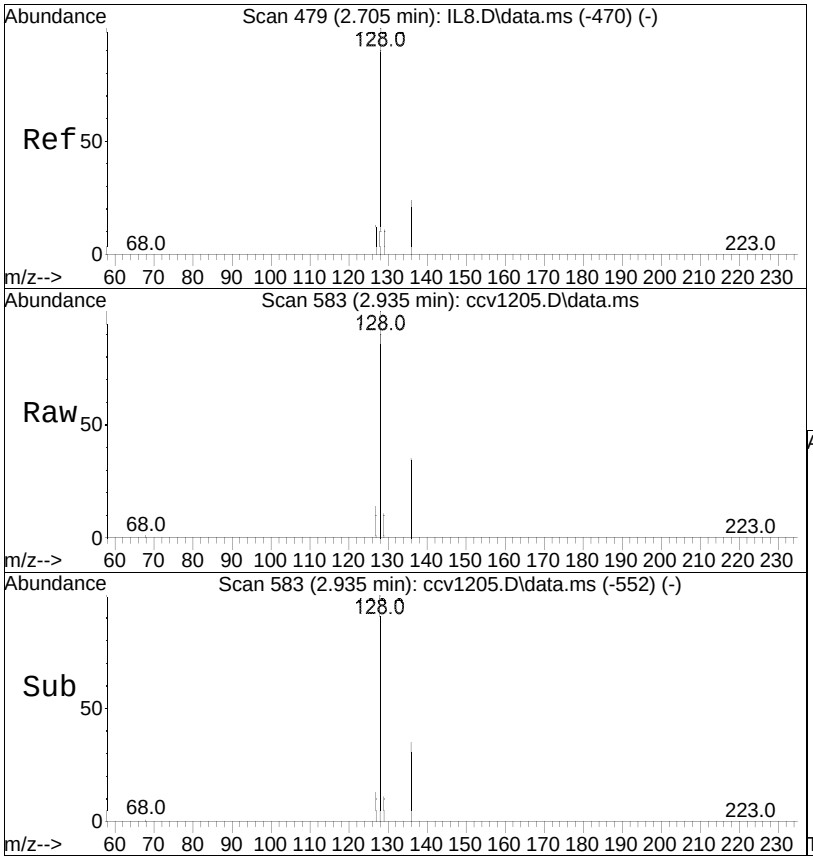


#6
Hexachloroethane
Concen: 916.97 ng/ml
RT: 2.521 min Scan# 436
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:117 Resp: 30436

Ion	Ratio	Lower	Upper
117	100		
201	103.7	82.0	123.0

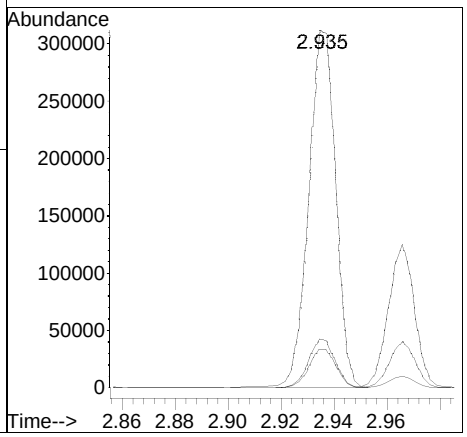


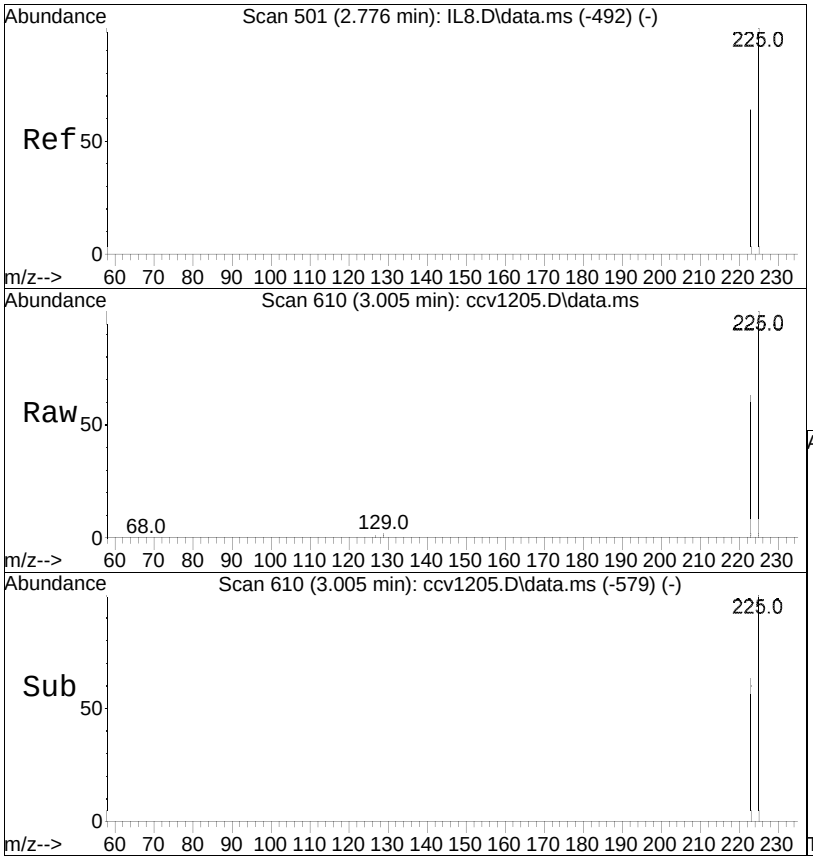


#9
Naphthalene
Concen: 895.97 ng/ml
RT: 2.935 min Scan# 583
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:128 Resp: 219543

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.7	10.7	16.1

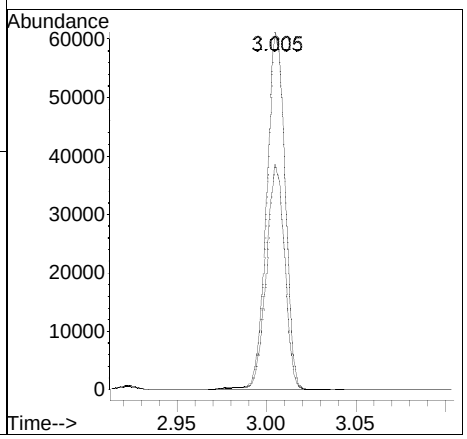


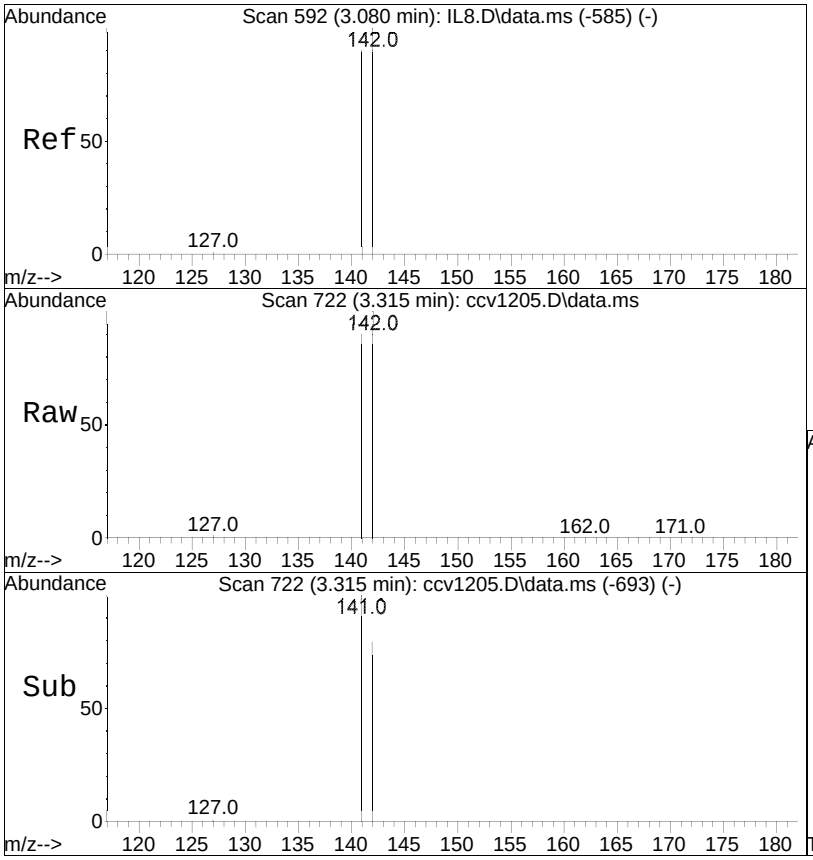


#10
Hexachlorobutadiene
Concen: 916.92 ng/ml
RT: 3.005 min Scan# 610
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:225 Resp: 42572

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.5	75.7

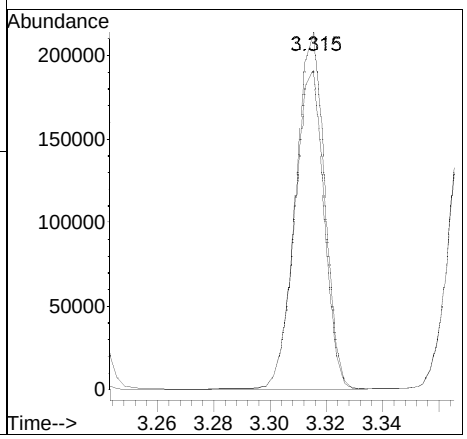


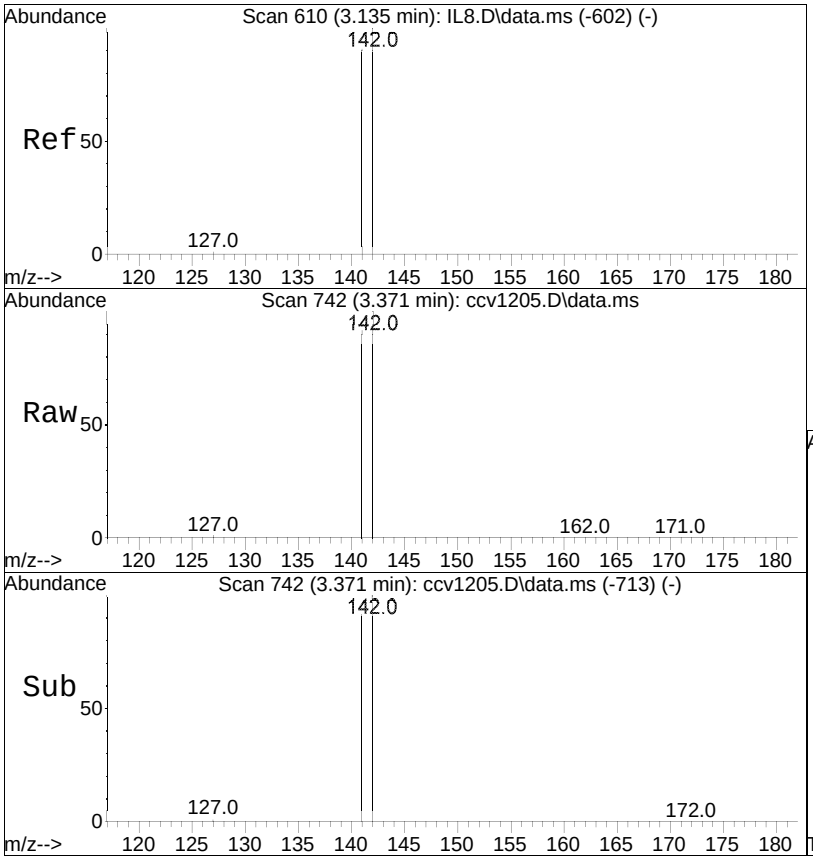


#11
2-Methylnaphthalene
Concen: 896.62 ng/ml
RT: 3.315 min Scan# 722
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:142 Resp: 152528

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.2	108.2

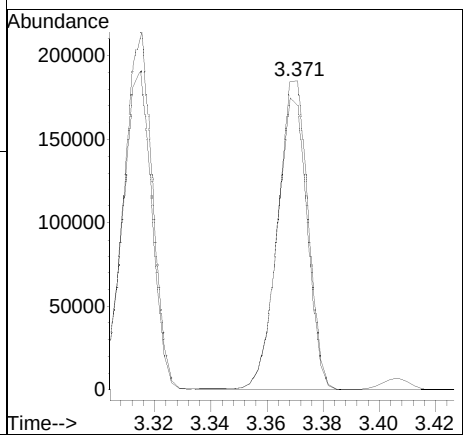


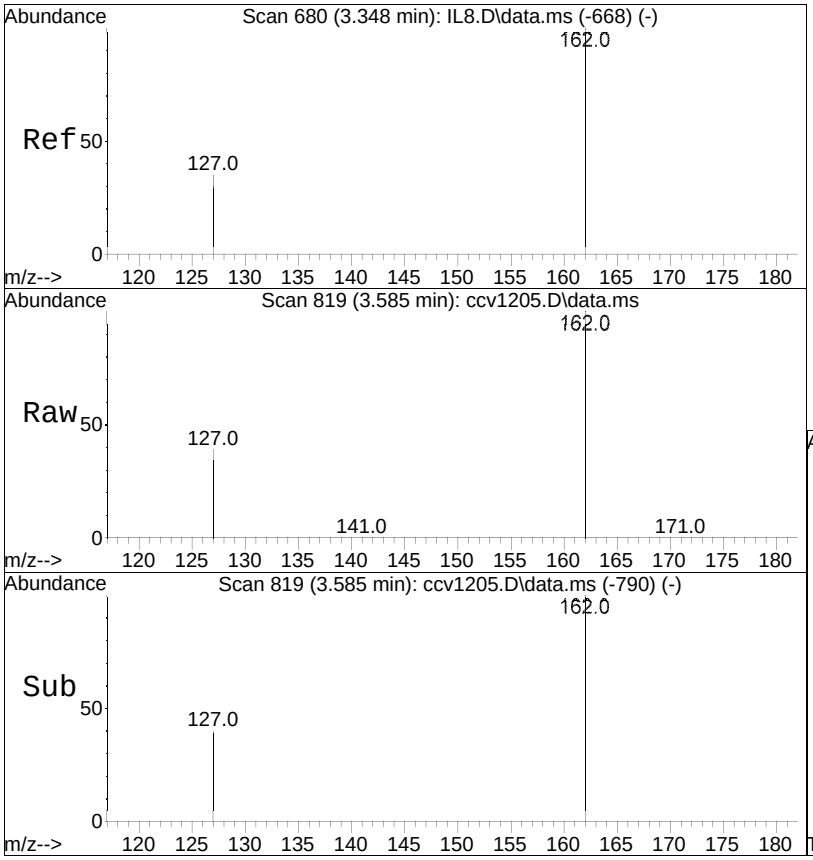


#12
1-Methylnaphthalene
Concen: 889.67 ng/ml
RT: 3.371 min Scan# 742
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:142 Resp: 139209

Ion	Ratio	Lower	Upper
142	100		
141	93.3	74.6	112.0

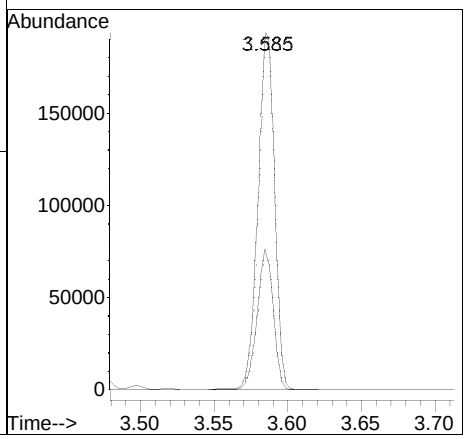


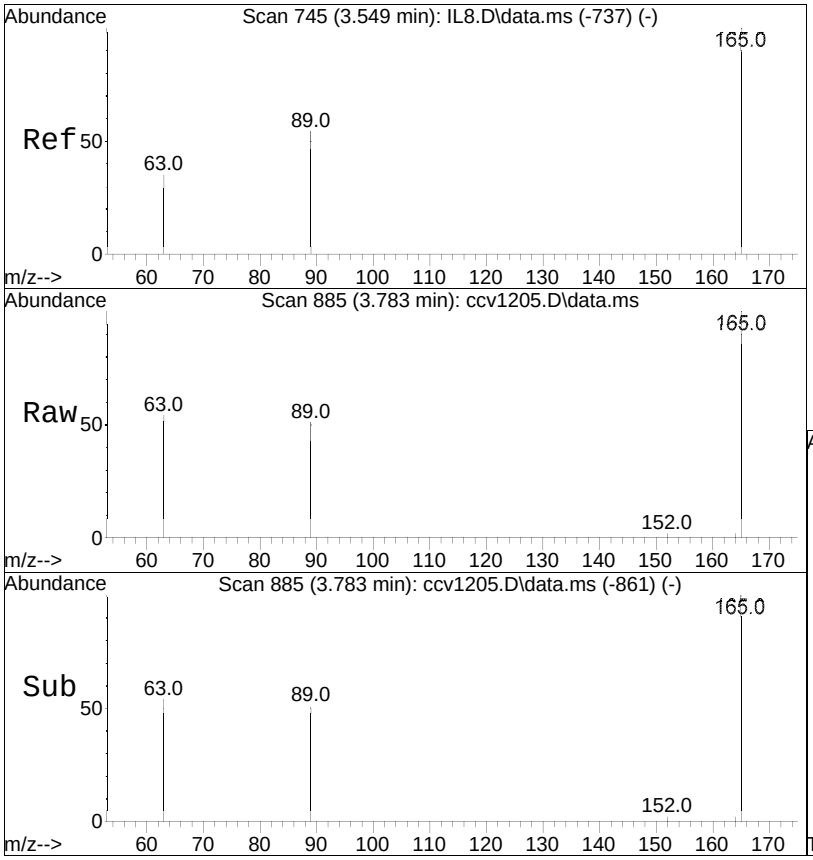


#14
2-Chloronaphthalene
Concen: 876.48 ng/ml
RT: 3.585 min Scan# 819
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:162 Resp: 148012

Ion	Ratio	Lower	Upper
162	100		
127	38.6	31.0	46.4

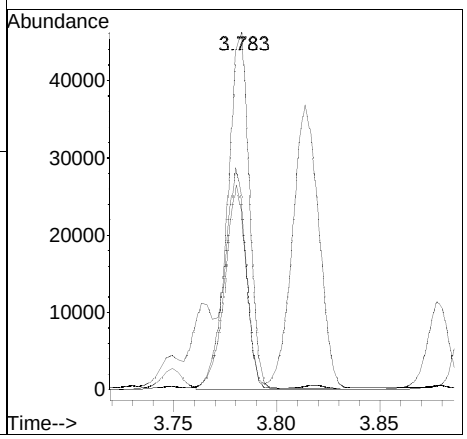


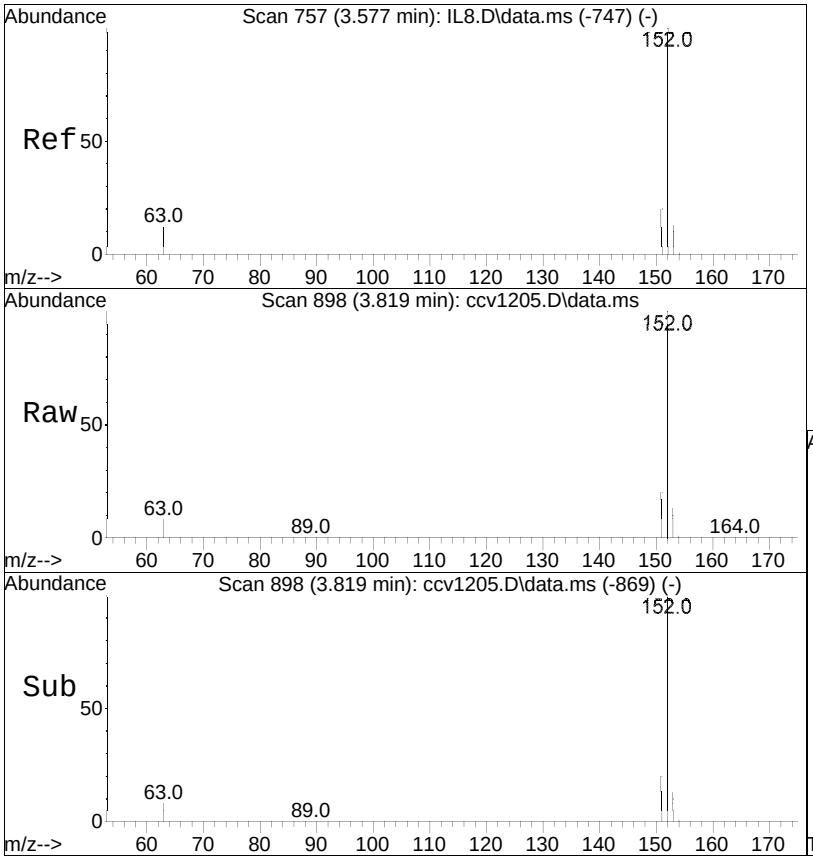


#15
2,6-Dinitrotoluene
Concen: 891.18 ng/ml
RT: 3.783 min Scan# 885
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:165 Resp: 34064

Ion	Ratio	Lower	Upper
165	100		
89	56.6	45.8	68.8
63	59.4	46.3	69.5

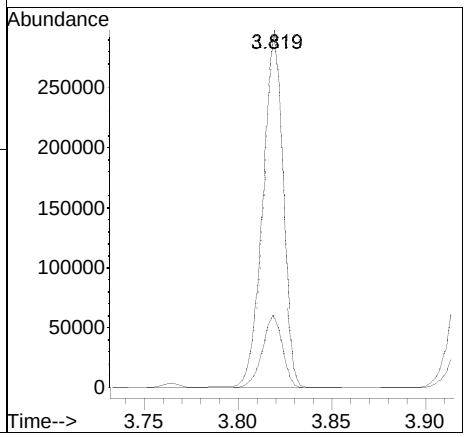


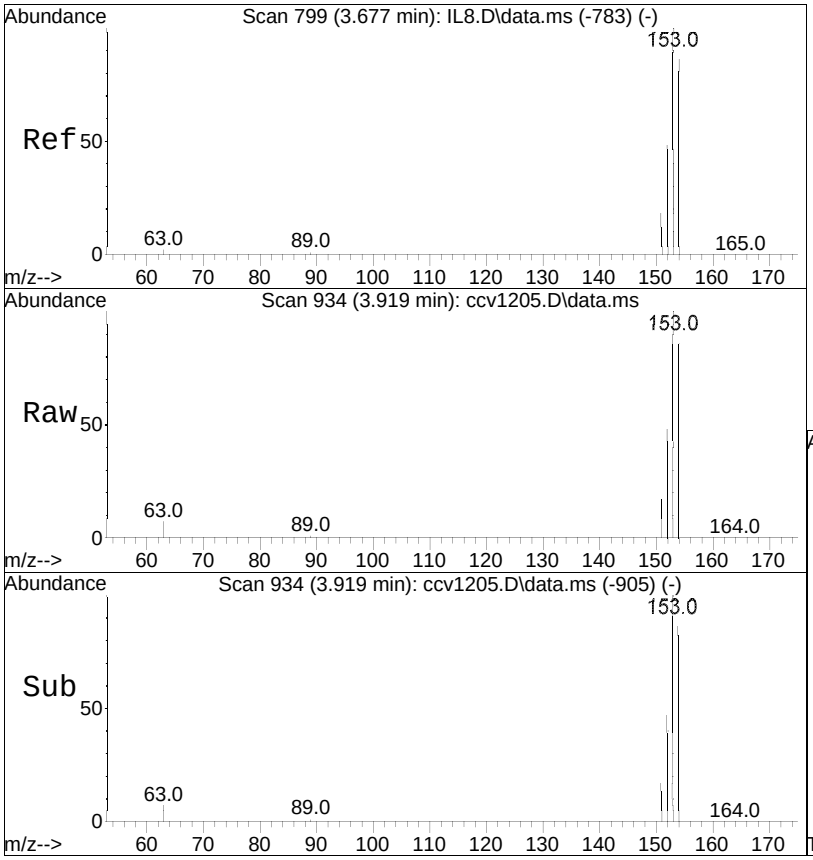


#16
Acenaphthylene
Concen: 904.50 ng/ml
RT: 3.819 min Scan# 898
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:152 Resp: 220223

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6

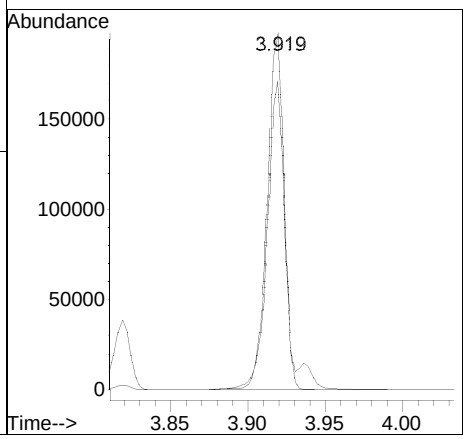


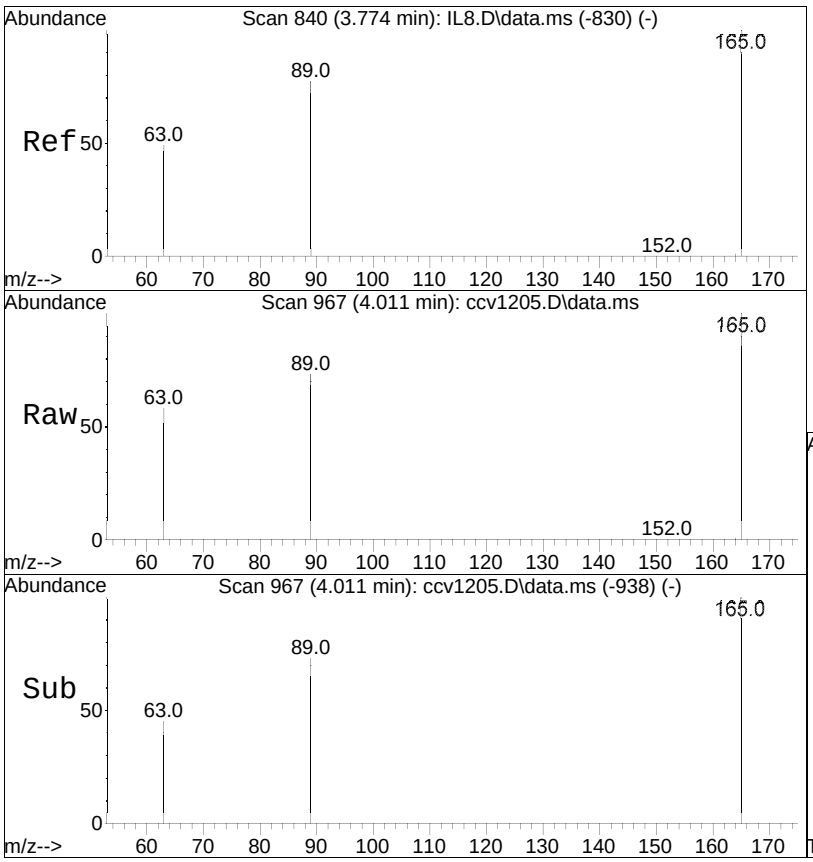


#18
Acenaphthene
Concen: 887.45 ng/ml
RT: 3.919 min Scan# 934
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:153 Resp: 148170

Ion	Ratio	Lower	Upper
153	100		
154	89.3	69.8	104.6

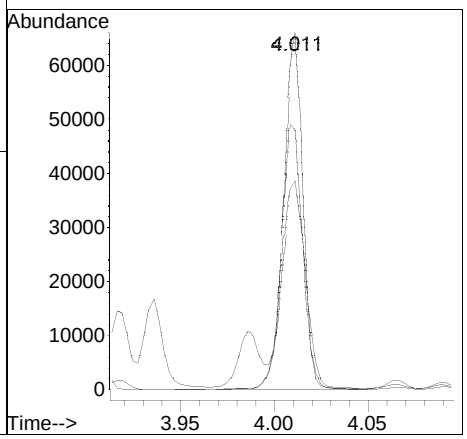


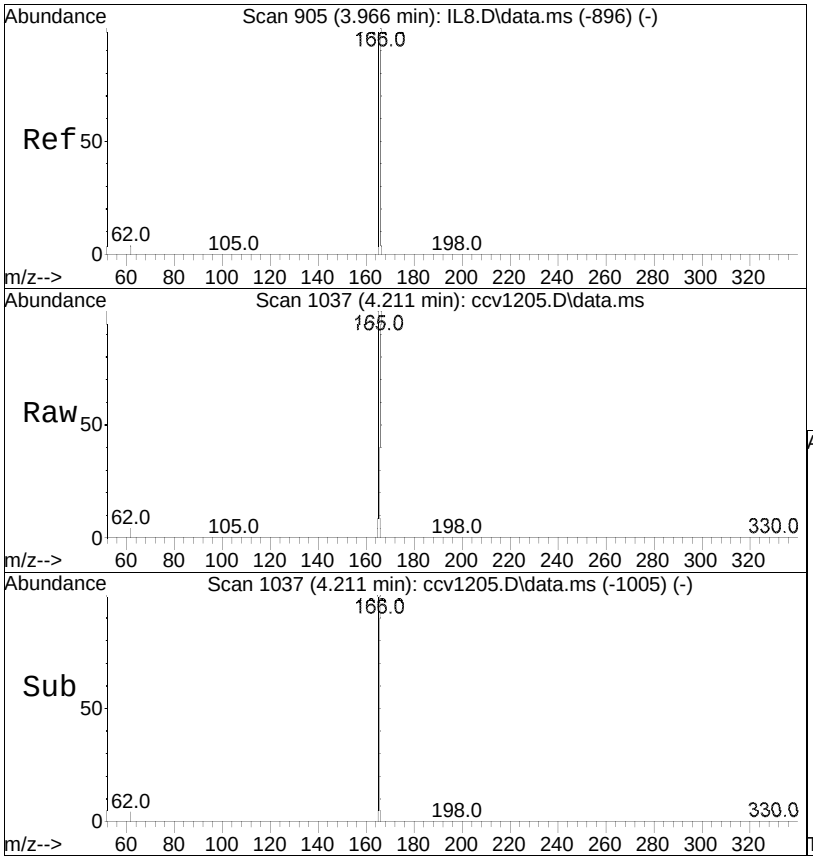


#19
2,4-Dinitrotoluene
Concen: 992.87 ng/ml
RT: 4.011 min Scan# 967
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:165 Resp: 46155

Ion	Ratio	Lower	Upper
165	100		
89	83.1	65.9	98.9
63	69.9	55.7	83.5

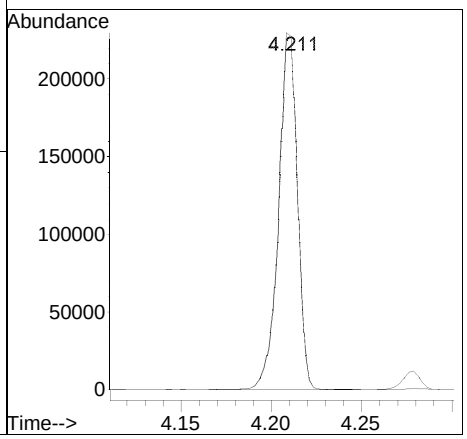


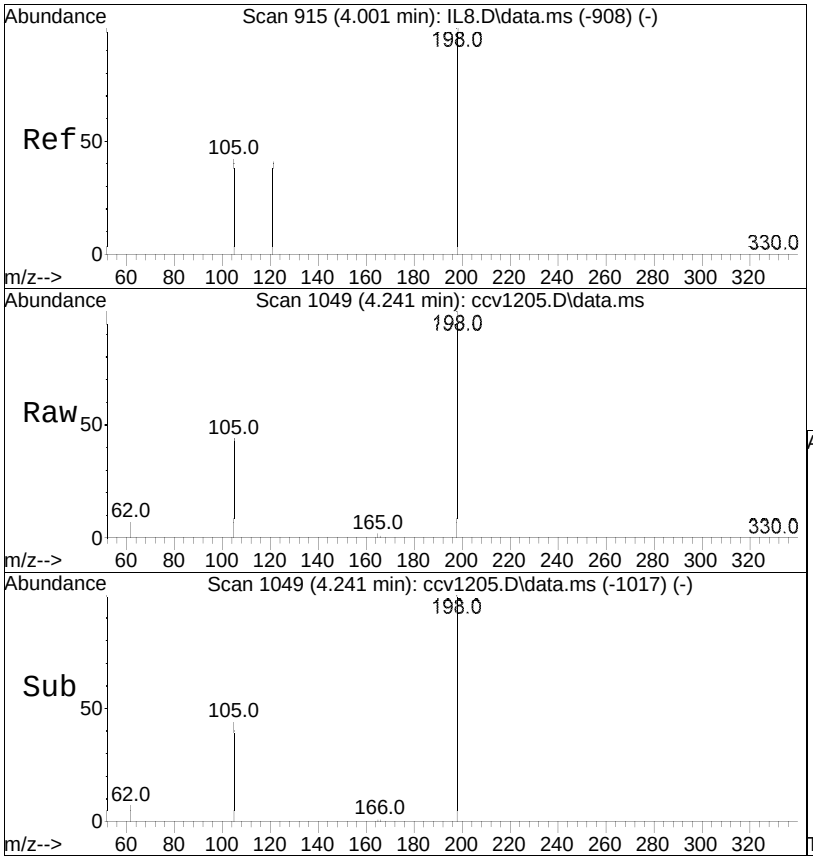


#20
Fluorene
Concen: 912.17 ng/ml
RT: 4.211 min Scan# 1037
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:166 Resp: 164791

Ion	Ratio	Lower	Upper
166	100		
165	101.3	80.1	120.1

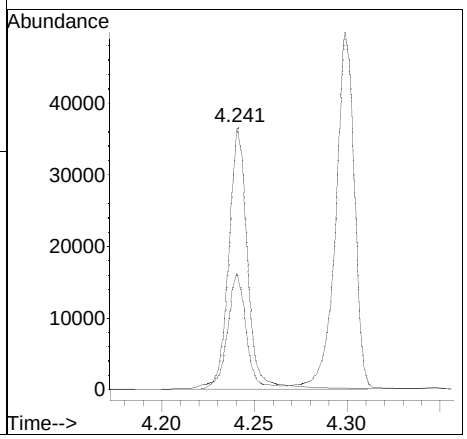


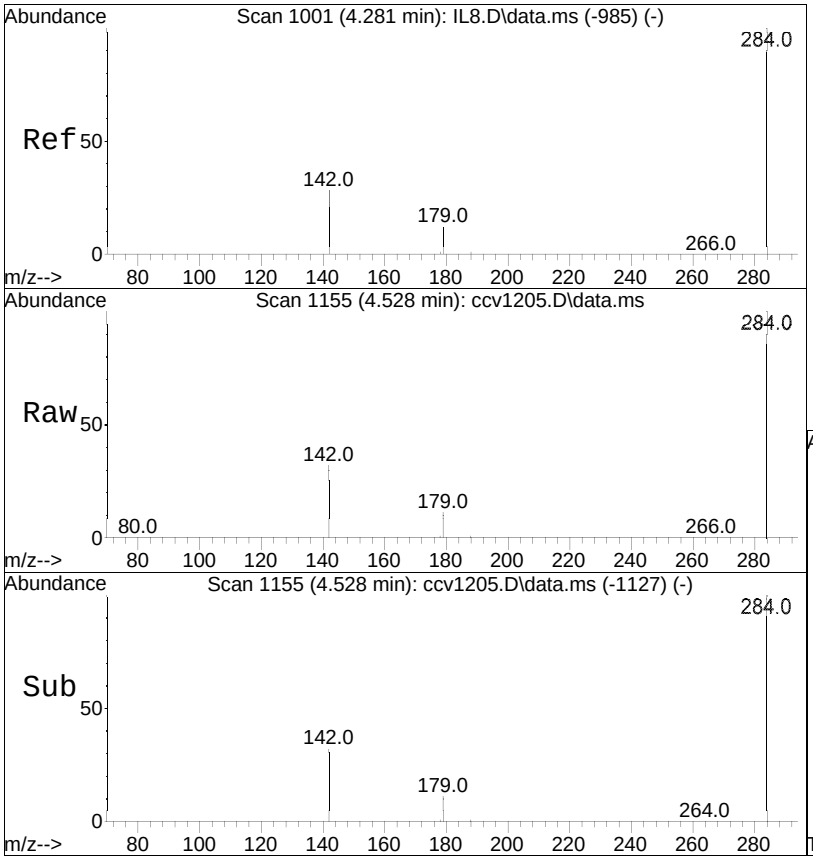


#23
4,6-Dinitro-o-cresol
Concen: 824.43 ng/ml
RT: 4.241 min Scan# 1049
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:198 Resp: 25633

Ion	Ratio	Lower	Upper
198	100		
105	45.6	35.4	53.2

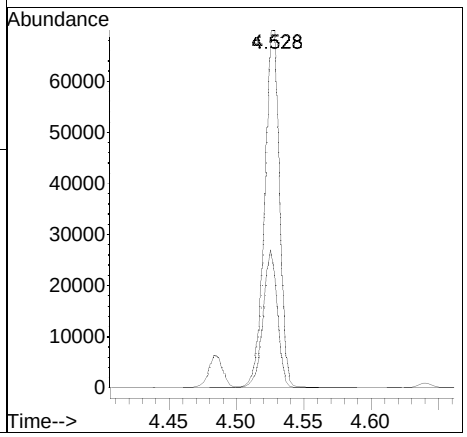


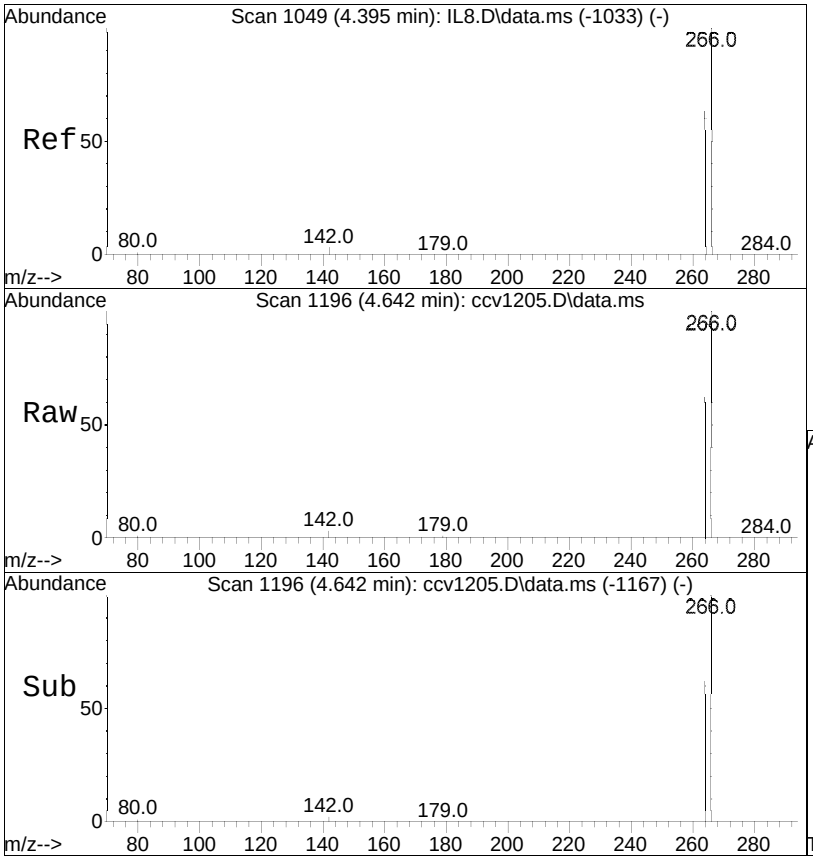


#24
Hexachlorobenzene
Concen: 947.77 ng/ml
RT: 4.528 min Scan# 1155
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:284 Resp: 52879

Ion	Ratio	Lower	Upper
284	100		
142	36.6	30.2	45.2

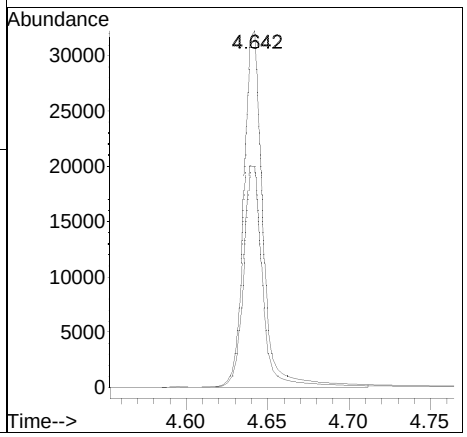


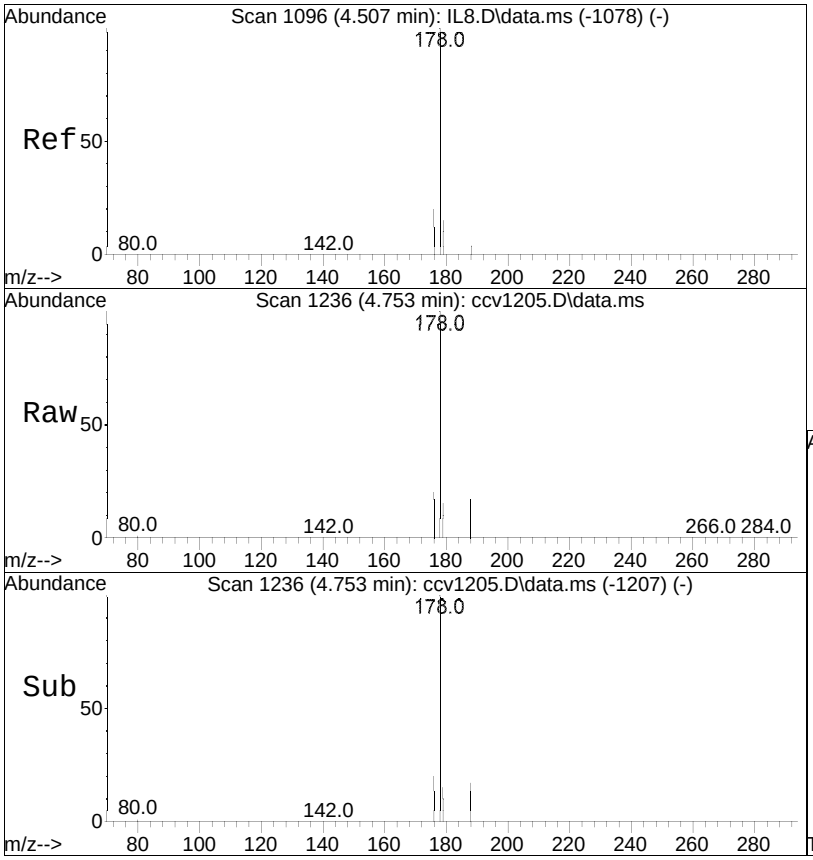


#25
Pentachlorophenol
Concen: 850.70 ng/ml
RT: 4.642 min Scan# 1196
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:266 Resp: 25854

Ion	Ratio	Lower	Upper
266	100		
264	62.8	50.3	75.5

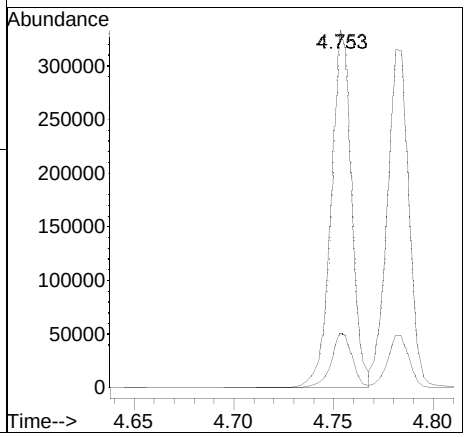


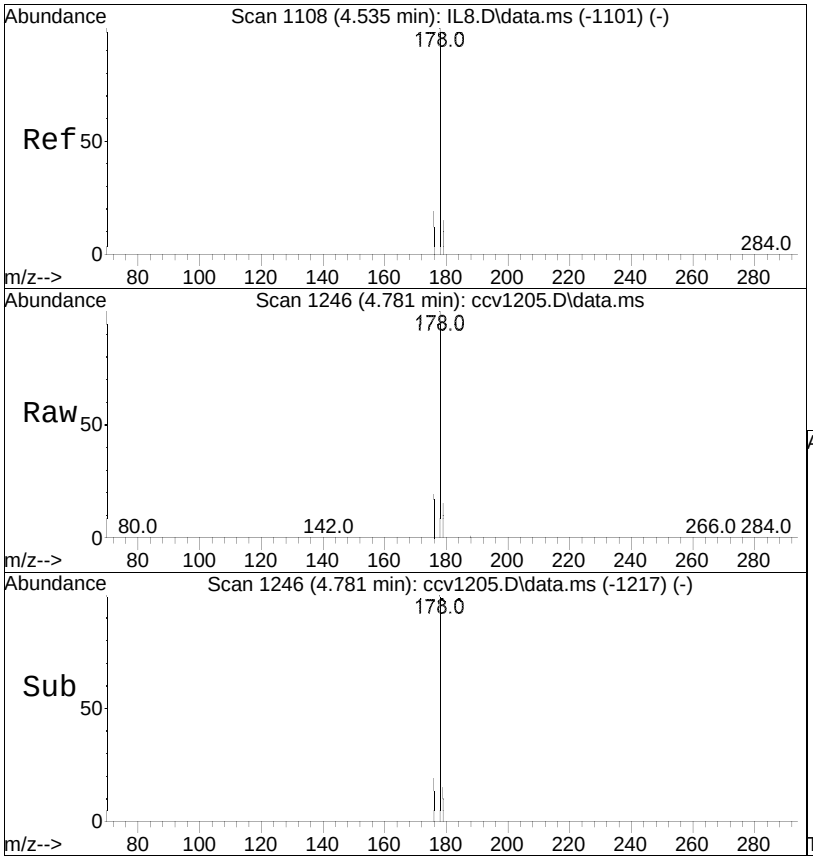


#26
Phenanthrene
Concen: 942.21 ng/ml
RT: 4.753 min Scan# 1236
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:178 Resp: 237161

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7

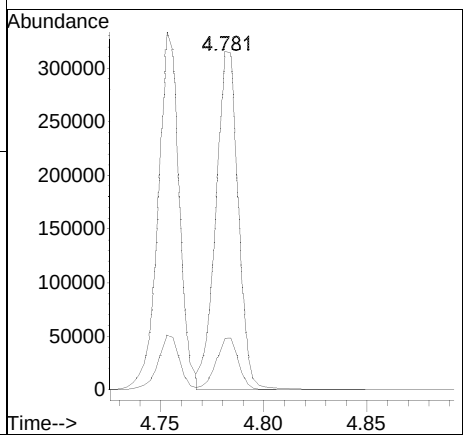


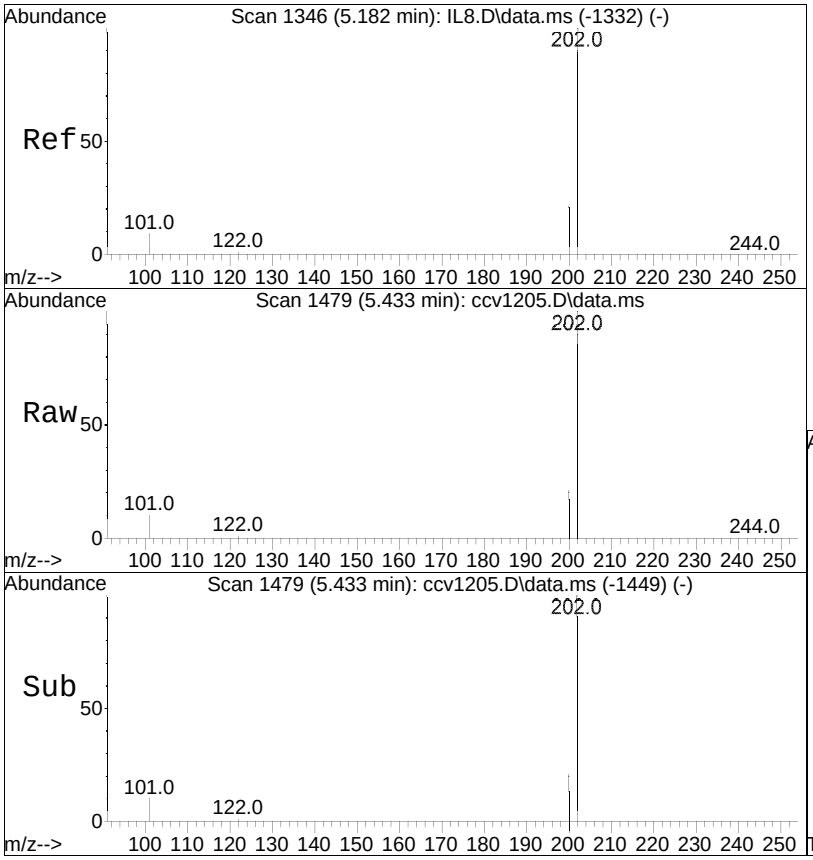


#27
Anthracene
Concen: 913.36 ng/ml
RT: 4.781 min Scan# 1246
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:178 Resp: 237858

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5

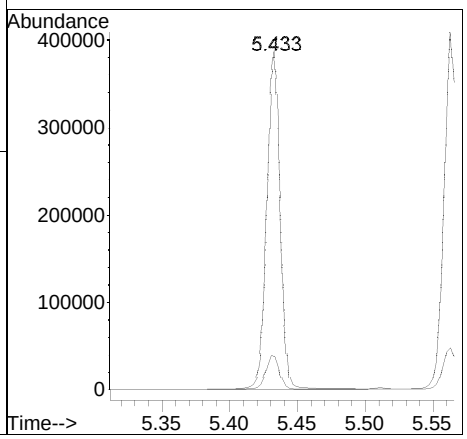


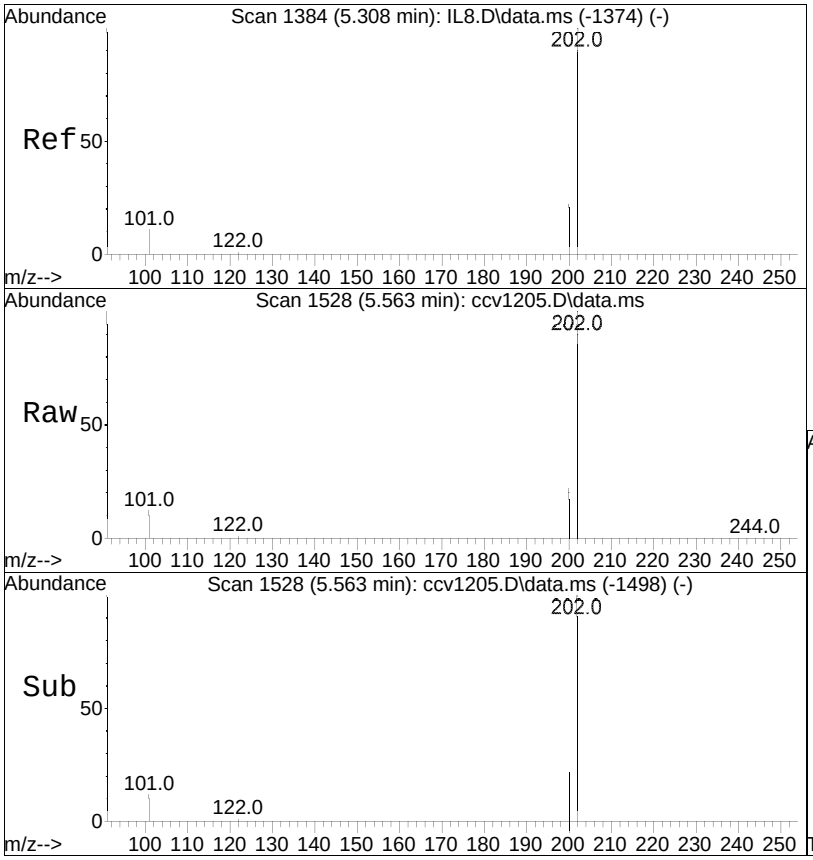


#28
Fluoranthene
Concen: 921.22 ng/ml
RT: 5.433 min Scan# 1479
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:202 Resp: 267073

Ion	Ratio	Lower	Upper
202	100		
101	10.2	7.8	11.6

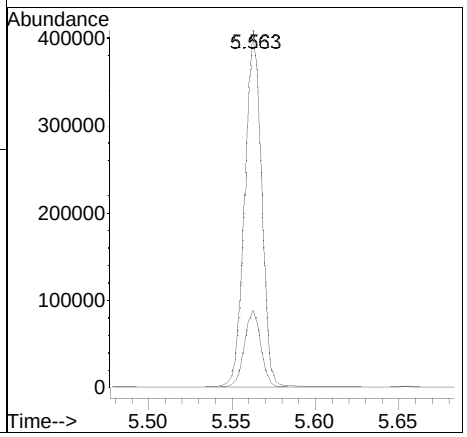


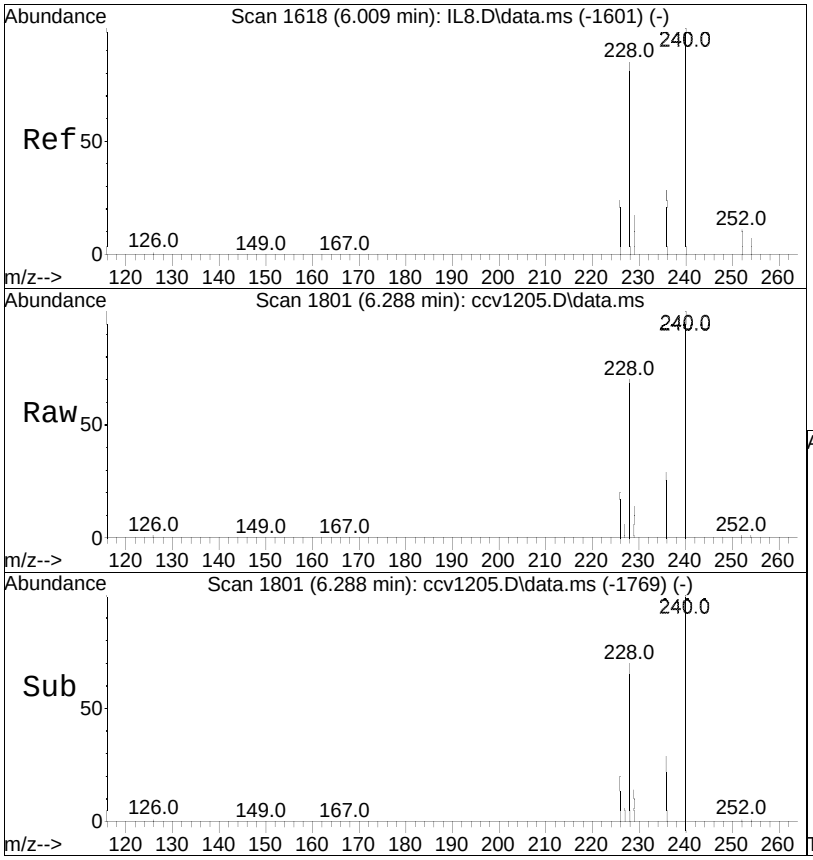


#29
Pyrene
Concen: 935.26 ng/ml
RT: 5.563 min Scan# 1528
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:202 Resp: 279593

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.5	26.3

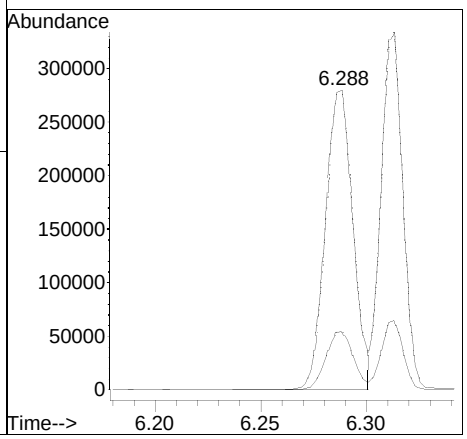


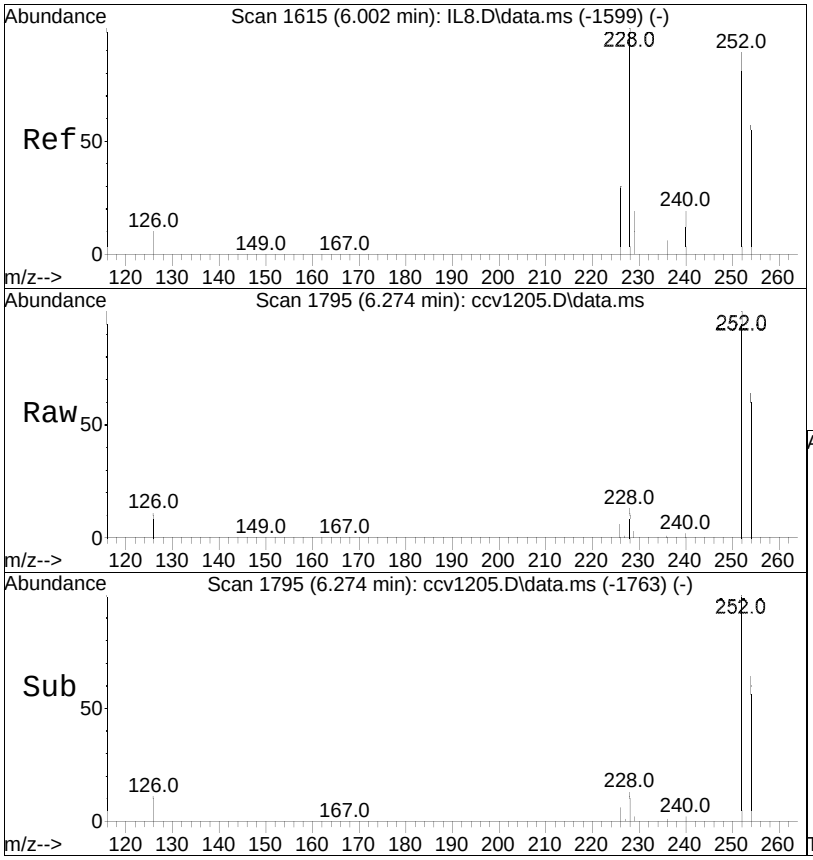


#32
Benzo[a]anthracene
Concen: 920.09 ng/ml
RT: 6.288 min Scan# 1801
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:228 Resp: 252834

Ion	Ratio	Lower	Upper
228	100		
229	19.5	16.2	24.4

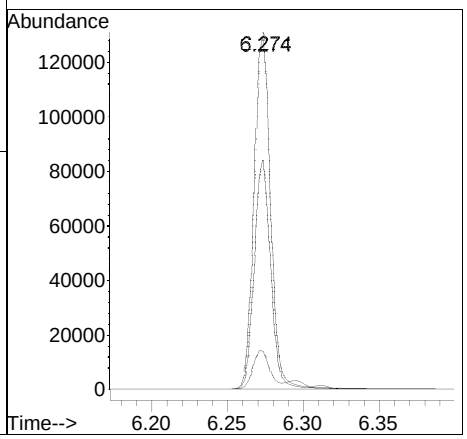


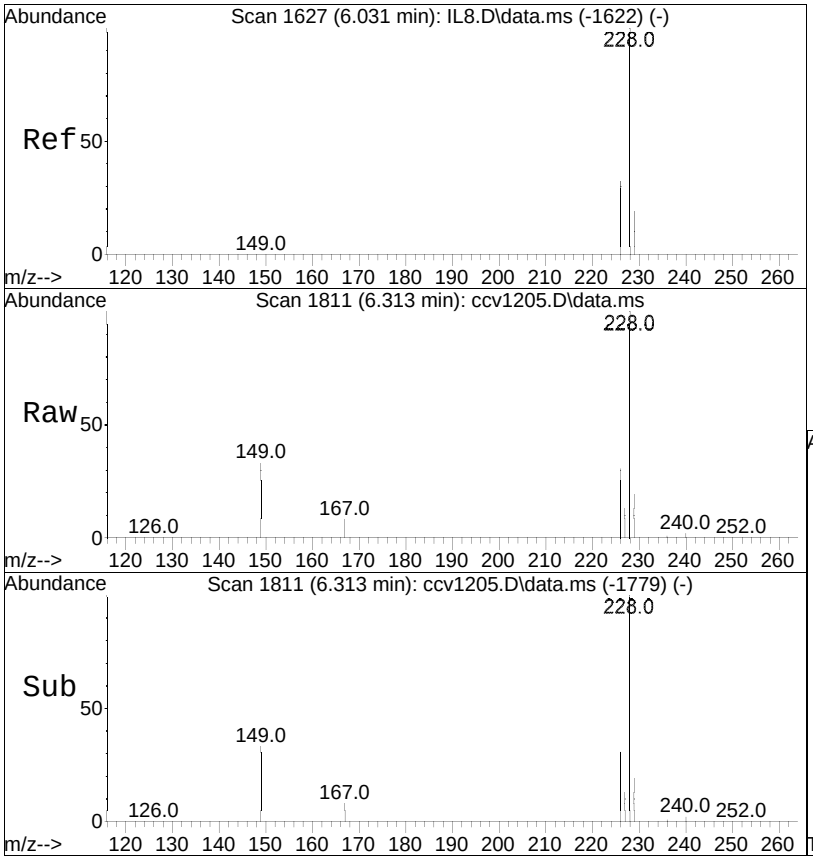


#33
3,3'-Dichlorobenzidine
Concen: 1006.44 ng/ml
RT: 6.274 min Scan# 1795
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:252 Resp: 97244

Ion	Ratio	Lower	Upper
252	100		
126	11.6	10.9	16.3
254	64.3	51.4	77.2

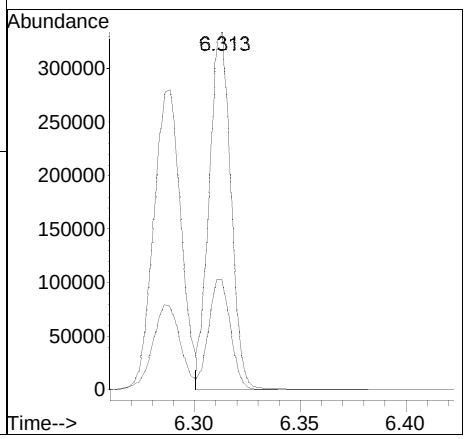


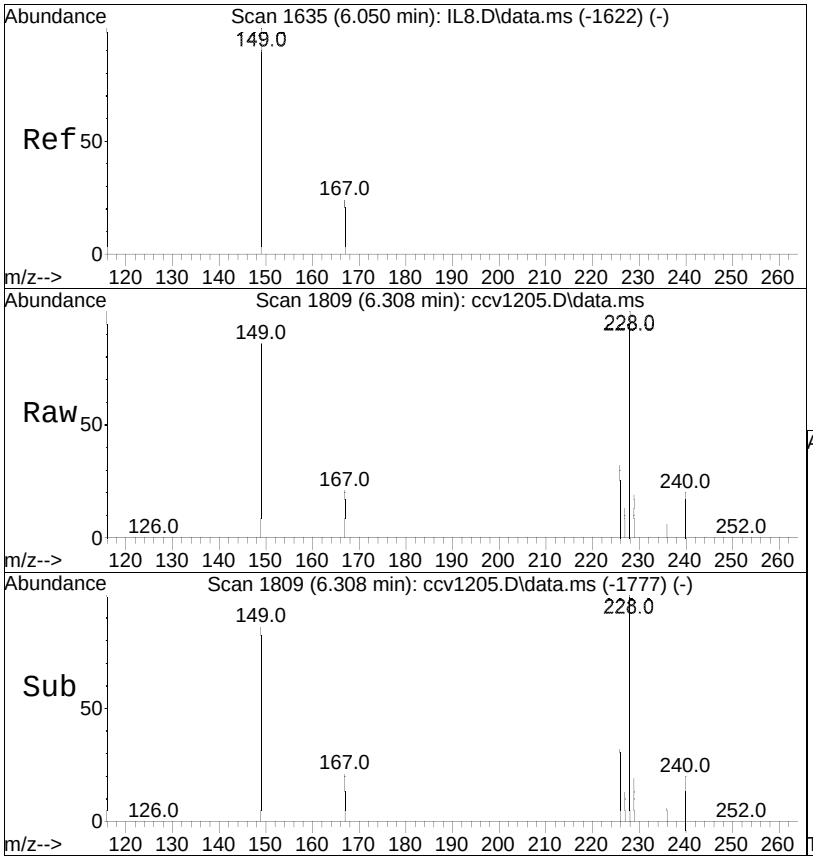


#34
Chrysene
Concen: 1003.77 ng/ml
RT: 6.313 min Scan# 1811
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:228 Resp: 237529

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3

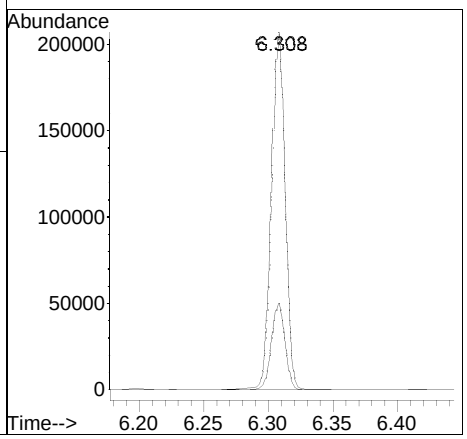


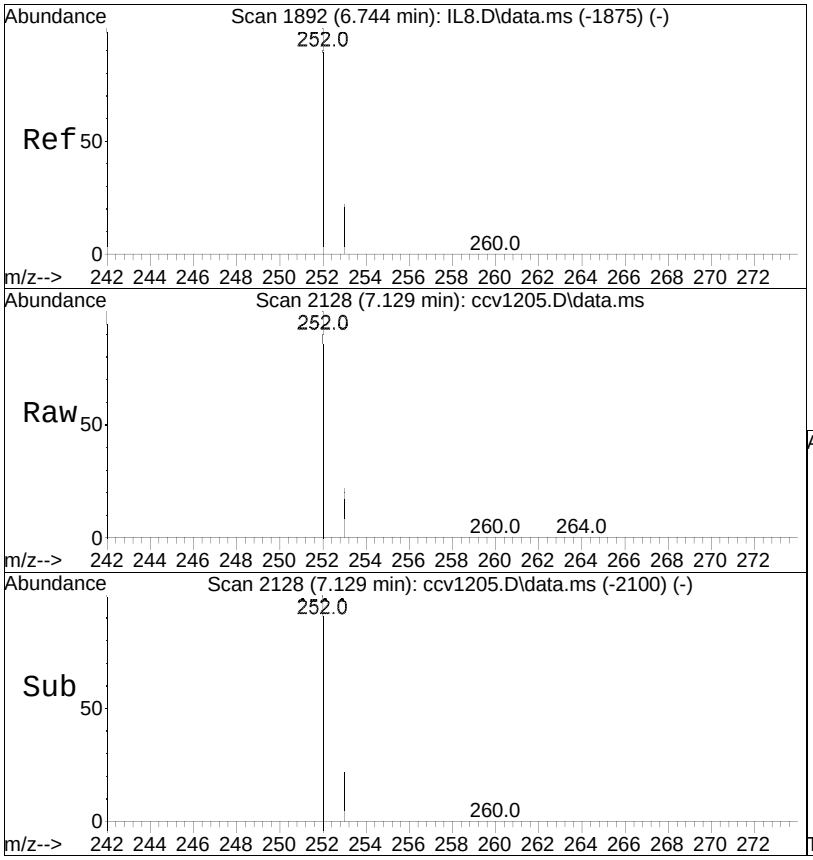


#35
Bis(2-ethylhexyl)phthalate
Concen: 945.71 ng/ml
RT: 6.308 min Scan# 1809
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:149 Resp: 149588

Ion	Ratio	Lower	Upper
149	100		
167	24.3	19.6	29.4

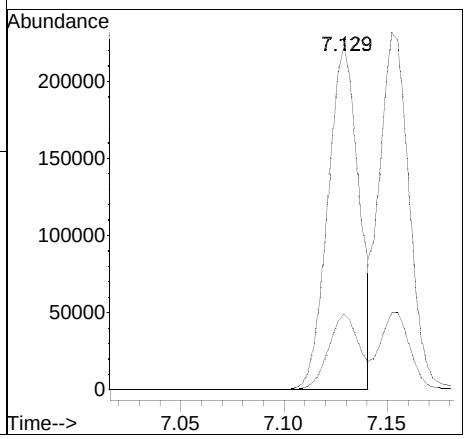


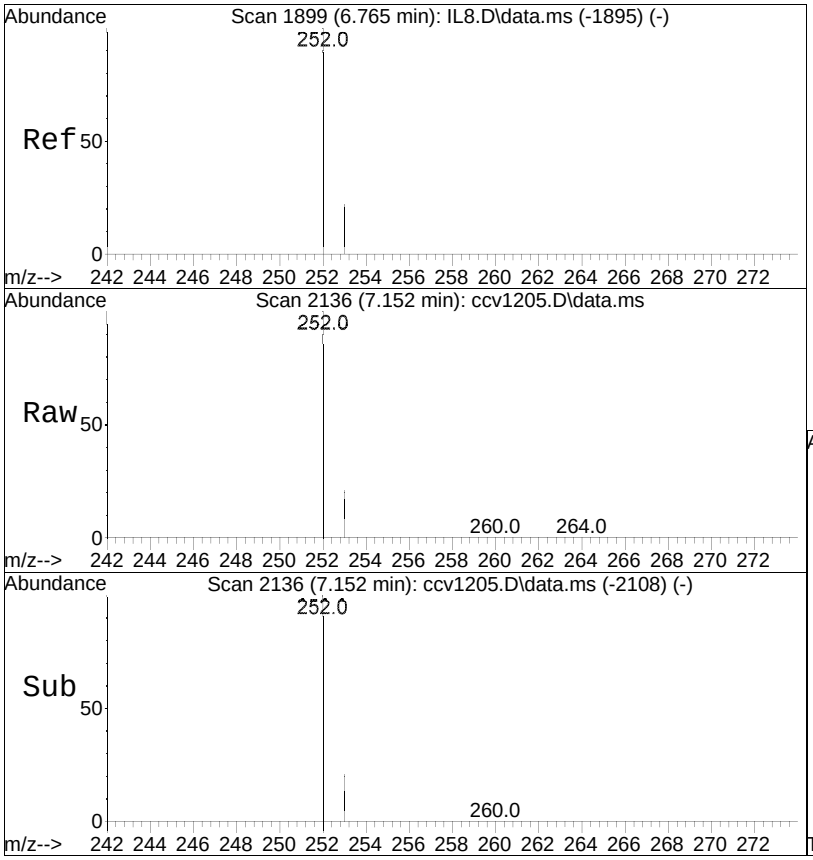


#37
Benzo[b]fluoranthene
Concen: 876.27 ng/ml
RT: 7.129 min Scan# 2128
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:252 Resp: 231469

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

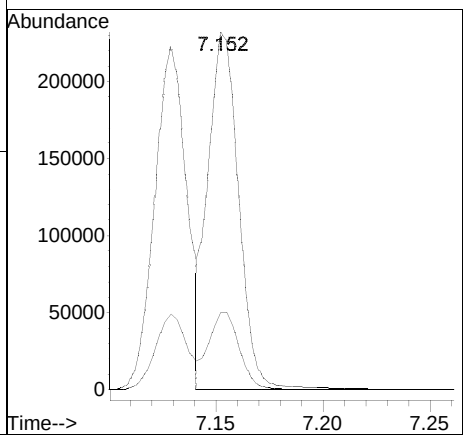


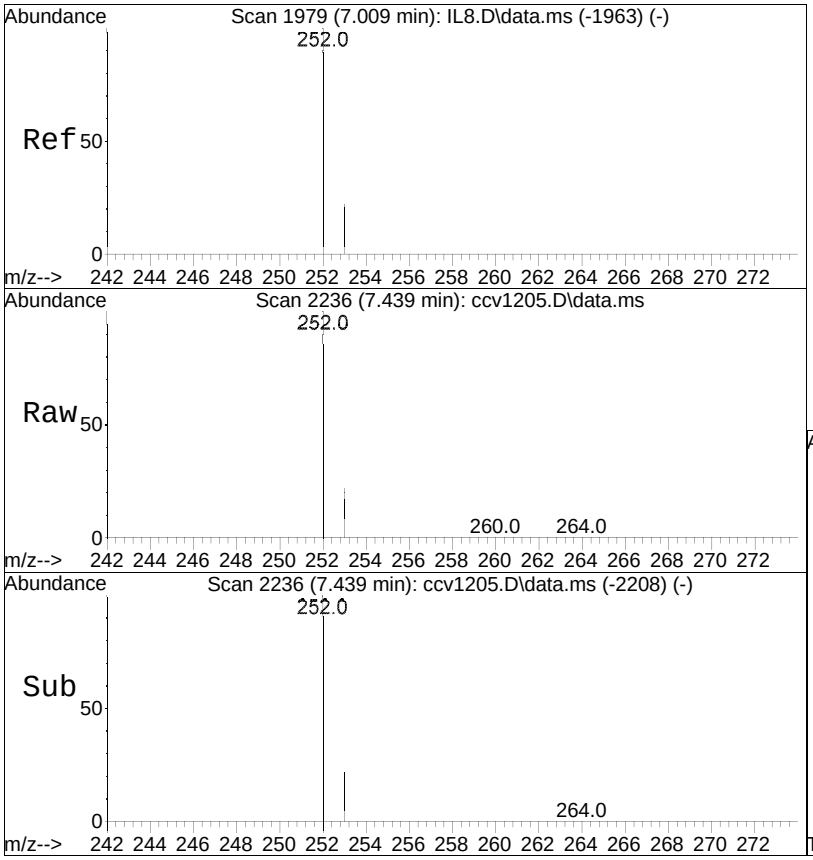


#38
Benzo[k]fluoranthene
Concen: 965.99 ng/ml
RT: 7.152 min Scan# 2136
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:252 Resp: 229392

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4

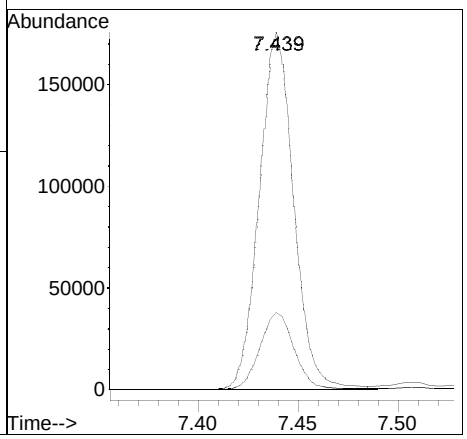


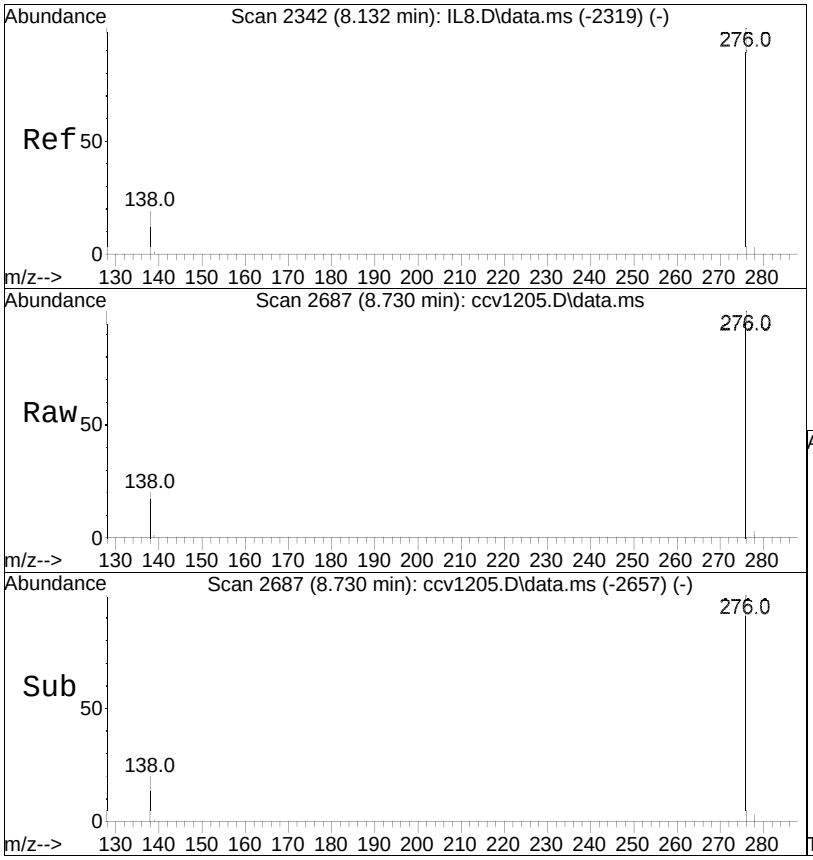


#39
Benzo[a]pyrene
Concen: 959.53 ng/ml
RT: 7.439 min Scan# 2236
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:252 Resp: 207607

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2

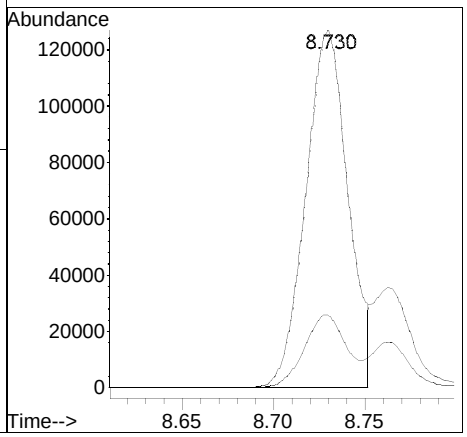


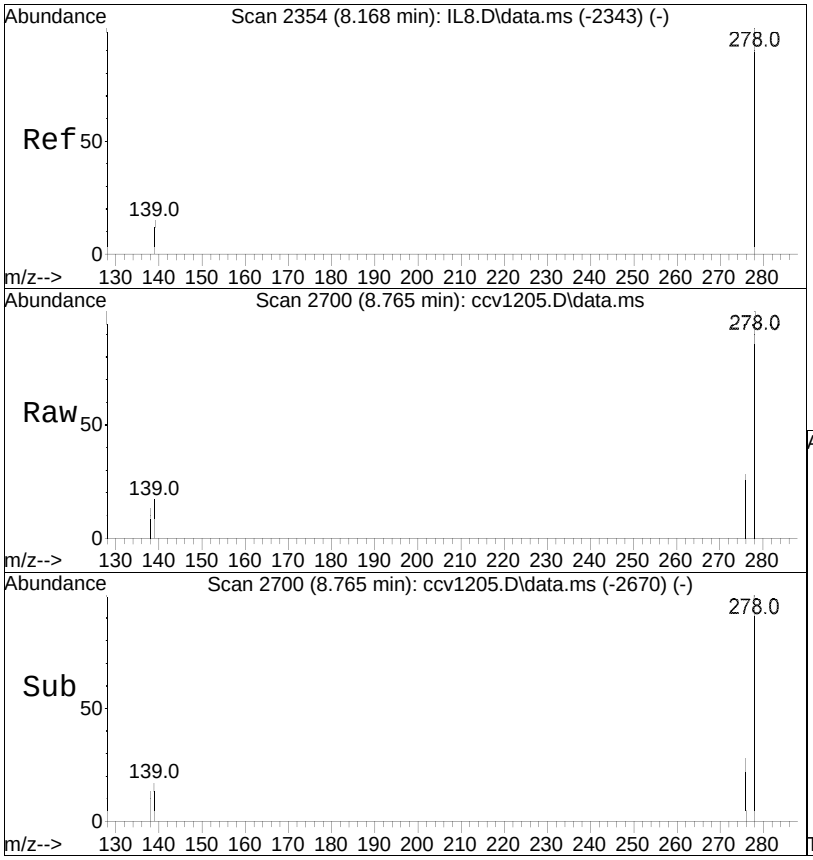


#40
Indeno[1,2,3-cd]pyrene
Concen: 914.75 ng/ml
RT: 8.730 min Scan# 2687
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:276 Resp: 202378

Ion	Ratio	Lower	Upper
276	100		
138	20.8	15.4	23.0

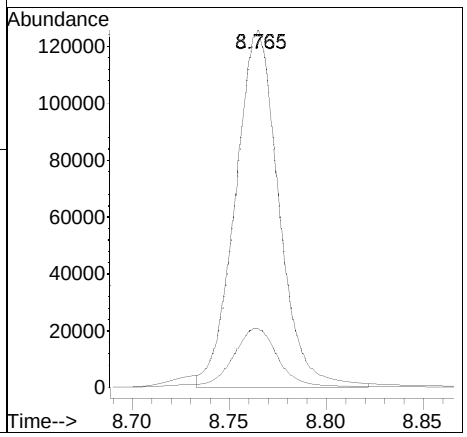


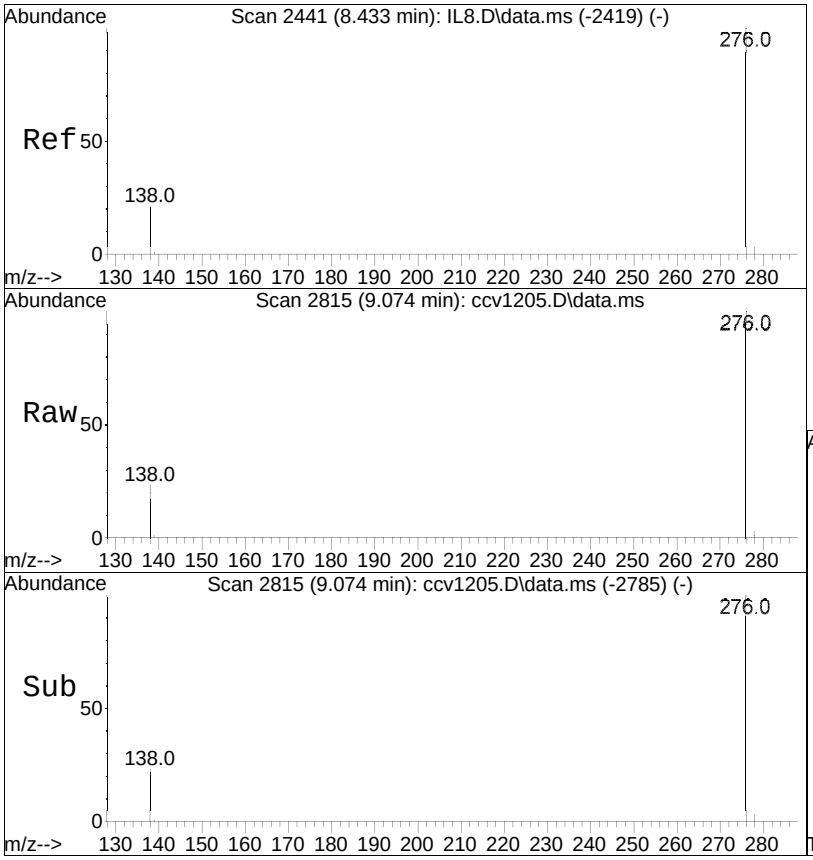


#41
Dibenzo[a,h]anthracene
Concen: 937.87 ng/ml M6
RT: 8.765 min Scan# 2700
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:278 Resp: 194928

Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.0	19.6

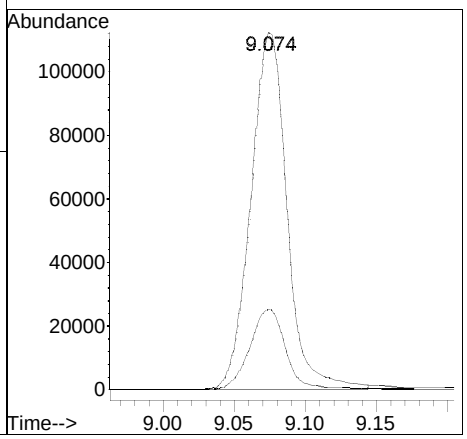




#42
Benzo[g,h,i]perylene
Concen: 910.02 ng/ml
RT: 9.074 min Scan# 2815
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 05:56 am

Tgt Ion:276 Resp: 195538

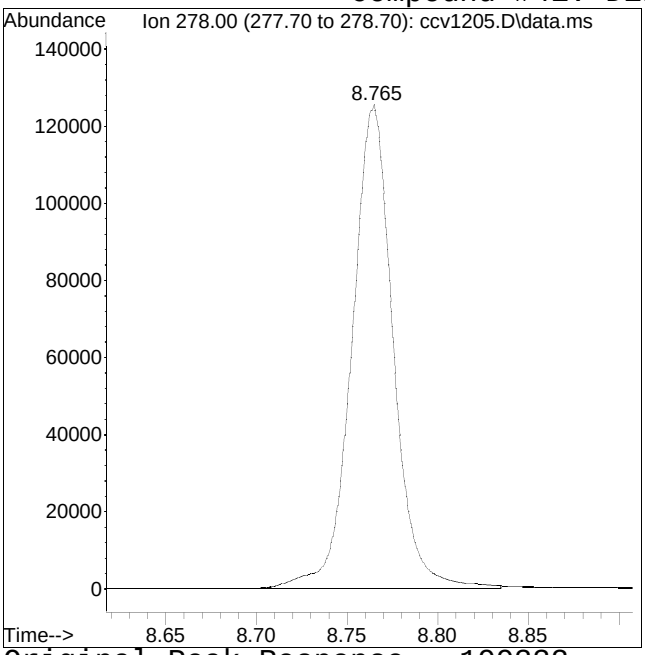
Ion	Ratio	Lower	Upper
276	100		
138	22.5	16.6	25.0



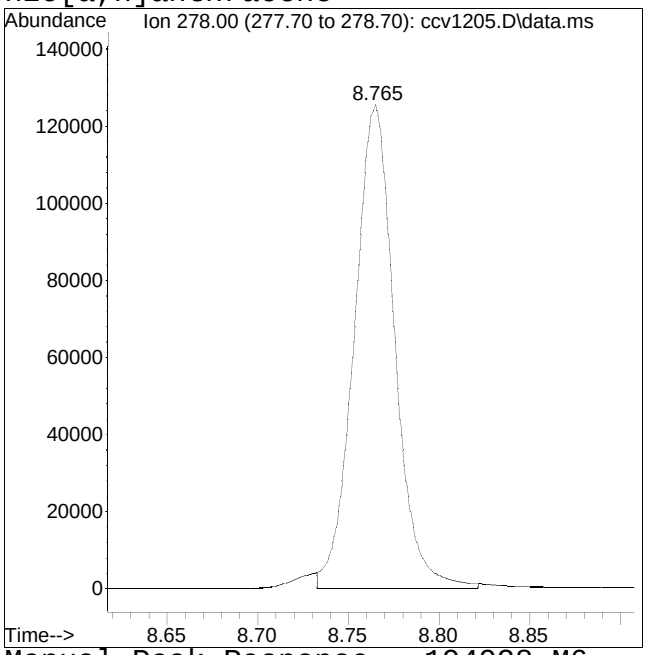
Manual Integration Report

Data Path : I:\8270SIM\sv120\241205RVTQ
Data File : ccv1205.D
Date Inj'd : 12/5/2024 5:56 am
Sample : WG2005462-3,32,,ICV 10884
Method : SIM-RVT_241105_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 12/5/2024 6:14 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 199332



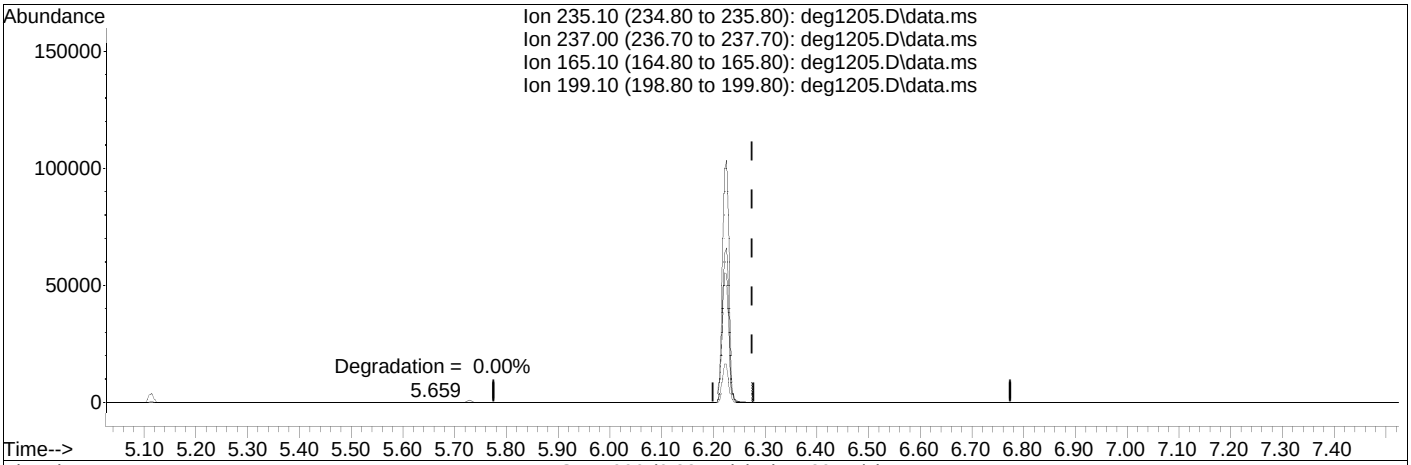
Manual Peak Response = 194928 M6

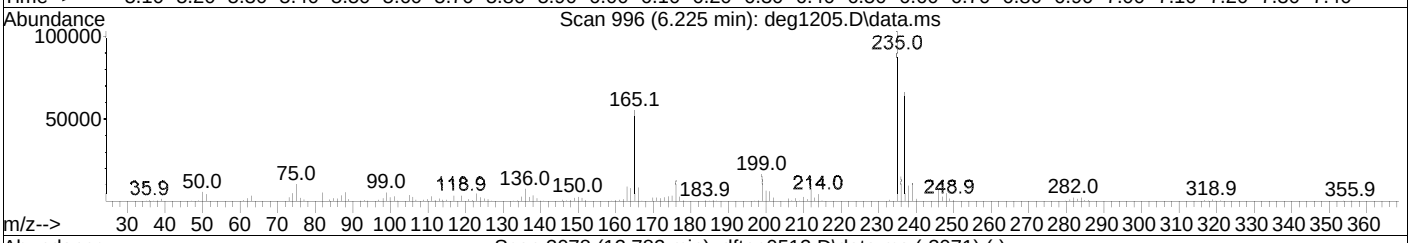
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

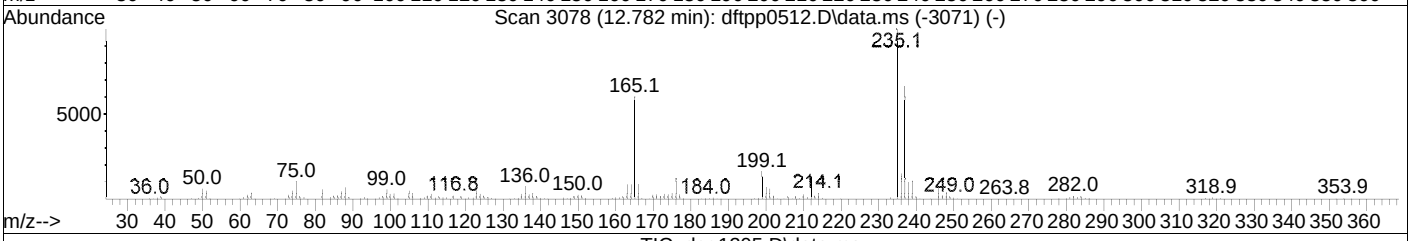
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : deg1205.D
Acq On : 05 Dec 2024 05:40 am
Operator : SV120:jjw
Sample : WG2005462-2,32,, dftpp SV120 lot#11169
Misc : WG2005462,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 05 05:53:31 2024
Quant Method : I:\8270SIM\sv120\241205RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







TIC: deg1205.D\data.ms

(6) ddt (T)

6.225min (-0.050) 13.89

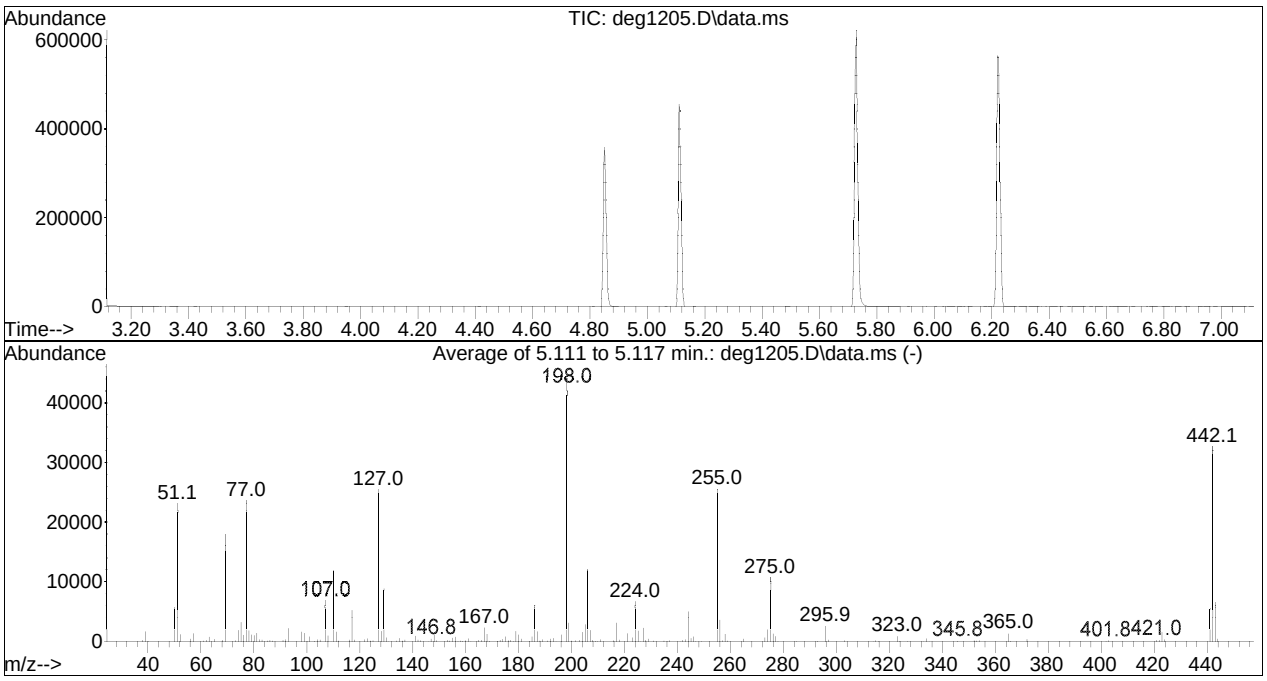
response 84653

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.13
165.10	53.30	54.31
199.10	17.10	15.77

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : deg1205.D
Acq On : 05 Dec 2024 05:40 am
Operator : SV120:jjw
Sample : WG2005462-1,32,, dftpp SV120 lot#11169
Misc : WG2005462,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv120\241205RVT\SIM-RVT_241105_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 05 06:14:30 2024



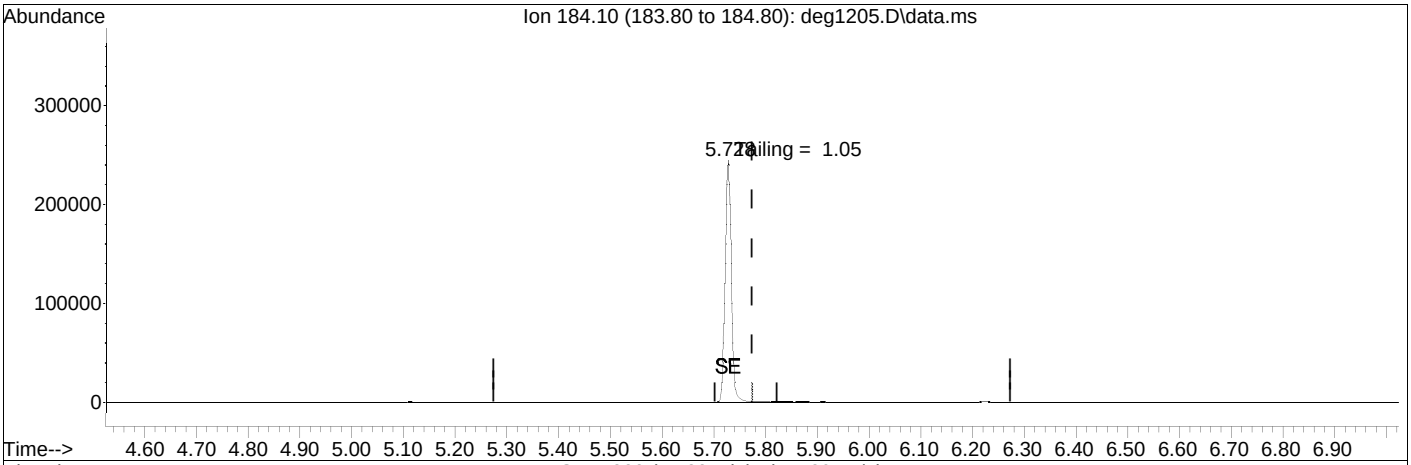
Spectrum Information: Average of 5.111 to 5.117 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	52.2	23088	PASS
68	69	0.00	2	1.8	320	PASS
69	69	100	100	100.0	17971	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	57.4	25389	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	44227	PASS
199	198	5	9	7.0	3099	PASS
275	198	10	60	24.2	10697	PASS
365	198	1	100	3.1	1358	PASS
441	442	0.01	24	16.8	5486	PASS
442	198	50	100	73.8	32651	PASS
443	442	15	24	20.1	6555	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : deg1205.D
Acq On : 05 Dec 2024 05:40 am
Operator : SV120:jjw
Sample : WG2005462-4,32,, dftpp SV120 lot#11169
Misc : WG2005462,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 05 05:53:31 2024
Quant Method : I:\8270SIM\sv120\241205RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



TIC: deg1205.D\data.ms

(3) benzidine (T)

5.728min (-0.046) 19.25

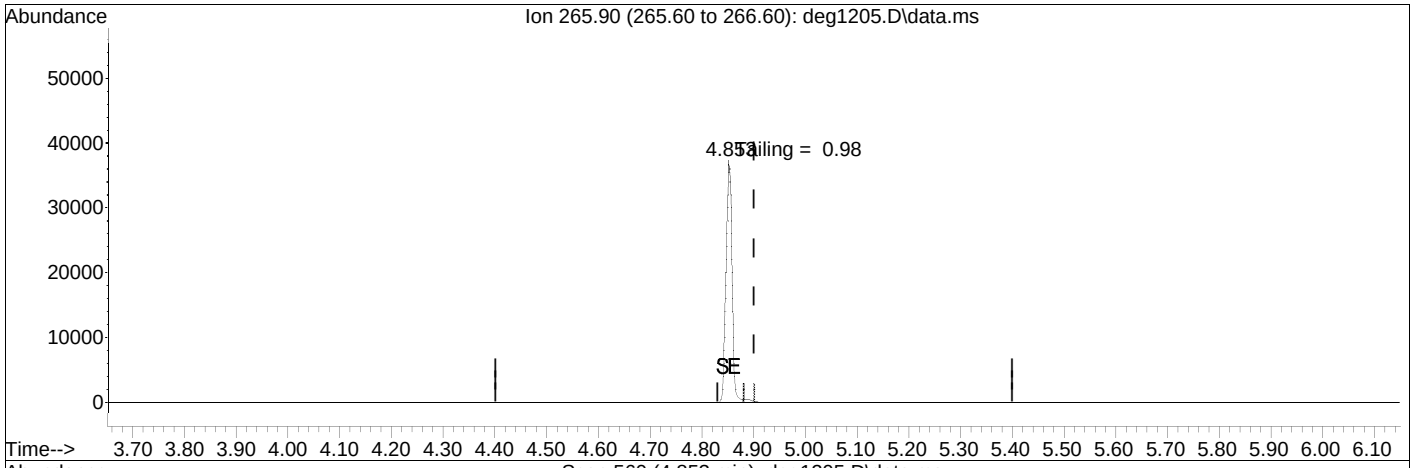
response 195919

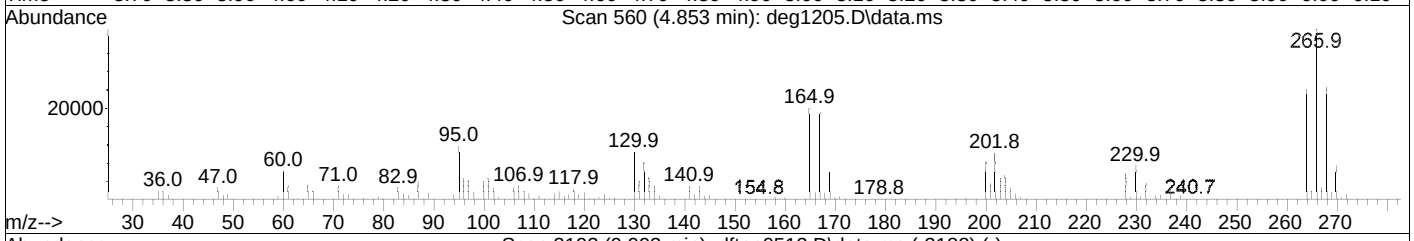
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

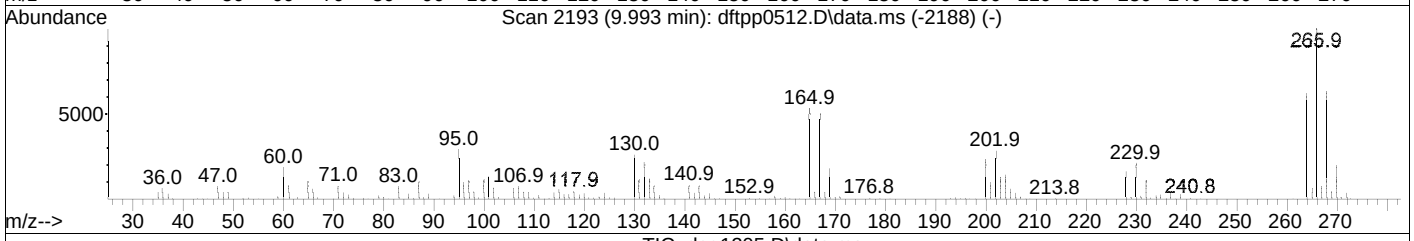
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\241205RVT\
Data File : deg1205.D
Acq On : 05 Dec 2024 05:40 am
Operator : SV120:jjw
Sample : WG2005462-5,32,, dftpp SV120 lot#11169
Misc : WG2005462,,ical21668
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 05 05:53:31 2024
Quant Method : I:\8270SIM\sv120\241205RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Nov 23 13:40:48 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







TIC: deg1205.D\data.ms

(1) pentachlorophenol (T)

4.853min (-0.048) 13.20

response 27732

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

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV120	**Calibration Date**	: 12/05/24 05:56		
Lab File ID	: CCV1205	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2005462-3	**Init. Calib. Times**	: 07:30	09:57	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	94	0
2-Fluorophenol	1.177	1.129	.05	4.1	20	92	0
Phenol-d6	1.447	1.361	.05	5.9	20	89	0
Bis(2-chloroethyl)ether	1000	873.048	.05	12.7	20	86	0
n-nitrosodi-n-propylamine	0.873	0.779	.05	10.8	20	84	0
Hexachloroethane	0.524	0.48	.05	8.4	20	87	0
Nitrobenzene-d5	1.277	1.17	.05	8.4	20	86	0
Naphthalene-d8	1	1	.05	0	20	93	0
Naphthalene	1	0.896	.05	10.4	20	88	0
Hexachlorobutadiene	0.189	0.174	.05	7.9	20	89	0
2-Methylnaphthalene	0.694	0.622	.05	10.4	20	87	0
1-Methylnaphthalene	0.639	0.568	.05	11.1	20	87	0
2-Fluorobiphenyl	0.806	0.686	.05	14.9	20	86	0
2-Chloronaphthalene	0.689	0.604	.05	12.3	20	87	0
2,6-Dinitrotoluene	0.156	0.139	.05	10.9	20	85	0
Acenaphthylene	0.994	0.899	.05	9.6	20	86	0
Acenaphthene-d10	1	1	.05	0	20	90	0
Acenaphthene	1.207	1.071	.05	11.3	20	85	0
2,4-Dinitrotoluene	0.336	0.334	.05	0.6	20	86	0
Fluorene	1.306	1.192	.05	8.7	20	85	0
2,4,6-Tribromophenol	0.159	0.169	.05	-6.3	20	92	0
Phenanthrene-d10	1	1	.05	0	20	91	0
4,6-Dinitro-o-cresol	1000	824.425	.05	17.6	20	79	0
Hexachlorobenzene	0.211	0.2	.05	5.2	20	90	0
Pentachlorophenol	1000	850.697	.05	14.9	20	78	0
Phenanthrene	0.953	0.898	.05	5.8	20	85	0
Anthracene	0.986	0.901	.05	8.6	20	84	0
Fluoranthene	1.098	1.011	.05	7.9	20	88	0
Pyrene	1.132	1.059	.05	6.4	20	89	0
4-Terphenyl-d14	0.727	0.594	.05	18.3	20	78	0
Chrysene-d12	1	1	.05	0	20	91	0
Benzo[a]anthracene	1000	920.095	.05	8	20	85	0
3,3'-Dichlorobenzidine	0.432	0.435	.05	-0.7	20	89	0
Chrysene	1.059	1.063	.05	-0.4	20	85	0
Bis(2-ethylhexyl)phthalate	0.708	0.669	.05	5.5	20	85	0
Perylene-d12	1	1	.05	0	20	91	0
Benzo[b]fluoranthene	1.214	1.064	.05	12.4	20	82	0
Benzo[k]fluoranthene	1.091	1.054	.05	3.4	20	85	0
Benzo[a]pyrene	0.994	0.954	.05	4	20	84	0
Indeno[1,2,3-cd]pyrene	1.017	0.93	.05	8.6	20	82	0
Dibenzo[a,h]anthracene	0.955	0.896	.05	6.2	20	84	0
Benzo[g,h,i]perylene	0.987	0.898	.05	9	20	82	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV125	**Calibration Date**	: 12/05/24 06:29		
Lab File ID	: CCV1205	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2005685-3	**Init. Calib. Times**	: 11:10	13:36	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	89	0
2-Fluorophenol	1.075	1.019	.05	5.2	20	87	0
Phenol-d6	1.36	1.207	.05	11.3	20	83	0
Bis(2-chloroethyl)ether	1000	867.44	.05	13.3	20	83	0
n-nitrosodi-n-propylamine	0.775	0.694	.05	10.5	20	77	0
Hexachloroethane	0.503	0.452	.05	10.1	20	83	0
Nitrobenzene-d5	1.158	1.062	.05	8.3	20	79	0
Naphthalene-d8	1	1	.05	0	20	95	0
Naphthalene	1.074	0.948	.05	11.7	20	87	0
Hexachlorobutadiene	0.22	0.179	.05	18.6	20	79	0
2-Methylnaphthalene	0.724	0.655	.05	9.5	20	87	0
1-Methylnaphthalene	0.677	0.603	.05	10.9	20	86	0
2-Fluorobiphenyl	0.89	0.77	.05	13.5	20	84	0
2-Chloronaphthalene	0.758	0.667	.05	12	20	84	0
2,6-Dinitrotoluene	0.173	0.163	.05	5.8	20	84	0
Acenaphthylene	1.076	1.014	.05	5.8	20	86	0
Acenaphthene-d10	1	1	.05	0	20	93	0
Acenaphthene	1.289	1.135	.05	11.9	20	86	0
2,4-Dinitrotoluene	0.376	0.373	.05	0.8	20	87	0
Fluorene	1.423	1.268	.05	10.9	20	85	0
2,4,6-Tribromophenol	0.217	0.216	.05	0.5	20	81	0
Phenanthrene-d10	1	1	.05	0	20	99	0
4,6-Dinitro-o-cresol	1000	815.726	.05	18.4	20	81	0
Hexachlorobenzene	0.256	0.204	.05	20.3*	20	81	0
Pentachlorophenol	1000	846.399	.05	15.4	20	75	0
Phenanthrene	1.105	0.934	.05	15.5	20	88	0
Anthracene	1.064	0.948	.05	10.9	20	87	0
Fluoranthene	1.27	1.102	.05	13.2	20	87	0
Pyrene	1.342	1.175	.05	12.4	20	88	0
4-Terphenyl-d14	0.922	0.728	.05	21*	20	82	0
Chrysene-d12	1	1	.05	0	20	98	0
Benzo[a]anthracene	1000	943.424	.05	5.7	20	88	0
3,3'-Dichlorobenzidine	0.448	0.446	.05	0.4	20	90	0
Chrysene	1.132	1.096	.05	3.2	20	88	0
Bis(2-ethylhexyl)phthalate	0.648	0.669	.05	-3.2	20	95	0
Perylene-d12	1	1	.05	0	20	102	0
Benzo[b]fluoranthene	1.113	1.012	.05	9.1	20	91	0
Benzo[k]fluoranthene	1.017	0.928	.05	8.8	20	89	0
Benzo[a]pyrene	0.923	0.883	.05	4.3	20	91	0
Indeno[1,2,3-cd]pyrene	0.991	0.951	.05	4	20	93	0
Dibenzo[a,h]anthracene	0.913	0.915	.05	-0.2	20	96	0
Benzo[g,h,i]perylene	0.963	0.898	.05	6.7	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV125	**Calibration Date**	: 12/09/24 08:32		
Lab File ID	: CCV1209B	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2006821-3	**Init. Calib. Times**	: 11:10	13:36	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	87	0
2-Fluorophenol	1.075	1.073	.05	0.2	20	90	0
Phenol-d6	1.36	1.291	.05	5.1	20	87	0
Bis(2-chloroethyl)ether	1000	917.983	.05	8.2	20	86	0
n-nitrosodi-n-propylamine	0.775	0.706	.05	8.9	20	77	0
Hexachloroethane	0.503	0.495	.05	1.6	20	89	0
Nitrobenzene-d5	1.158	1.093	.05	5.6	20	80	0
Naphthalene-d8	1	1	.05	0	20	88	0
Naphthalene	1.074	1.029	.05	4.2	20	87	0
Hexachlorobutadiene	0.22	0.2	.05	9.1	20	82	0
2-Methylnaphthalene	0.724	0.691	.05	4.6	20	85	0
1-Methylnaphthalene	0.677	0.64	.05	5.5	20	85	0
2-Fluorobiphenyl	0.89	0.807	.05	9.3	20	82	0
2-Chloronaphthalene	0.758	0.695	.05	8.3	20	81	0
2,6-Dinitrotoluene	0.173	0.167	.05	3.5	20	80	0
Acenaphthylene	1.076	1.043	.05	3.1	20	82	0
Acenaphthene-d10	1	1	.05	0	20	81	0
Acenaphthene	1.289	1.245	.05	3.4	20	82	0
2,4-Dinitrotoluene	0.376	0.406	.05	-8	20	82	0
Fluorene	1.423	1.365	.05	4.1	20	81	0
2,4,6-Tribromophenol	0.217	0.237	.05	-9.2	20	78	0
Phenanthrene-d10	1	1	.05	0	20	84	0
4,6-Dinitro-o-cresol	1000	939.562	.05	6	20	79	0
Hexachlorobenzene	0.256	0.229	.05	10.5	20	77	0
Pentachlorophenol	1000	988.569	.05	1.1	20	76	0
Phenanthrene	1.105	1.038	.05	6.1	20	82	0
Anthracene	1.064	1.045	.05	1.8	20	81	0
Fluoranthene	1.27	1.247	.05	1.8	20	83	0
Pyrene	1.342	1.336	.05	0.4	20	85	0
4-Terphenyl-d14	0.922	0.824	.05	10.6	20	78	0
Chrysene-d12	1	1	.05	0	20	83	0
Benzo[a]anthracene	1000	1058.866	.05	-5.9	20	83	0
3,3'-Dichlorobenzidine	0.448	0.505	.05	-12.7	20	86	0
Chrysene	1.132	1.251	.05	-10.5	20	85	0
Bis(2-ethylhexyl)phthalate	0.648	0.791	.05	-22.1*	20	95	0
Perylene-d12	1	1	.05	0	20	81	0
Benzo[b]fluoranthene	1.113	1.18	.05	-6	20	84	0
Benzo[k]fluoranthene	1.017	1.105	.05	-8.7	20	84	0
Benzo[a]pyrene	0.923	1.028	.05	-11.4	20	85	0
Indeno[1,2,3-cd]pyrene	0.991	1.077	.05	-8.7	20	84	0
Dibenzo[a,h]anthracene	0.913	1.024	.05	-12.2	20	85	0
Benzo[g,h,i]perylene	0.963	1.013	.05	-5.2	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV118	**Calibration Date**	: 12/10/24 06:12		
Lab File ID	: CCV1210	**Init. Calib. Date(s)**	: 10/25/24	10/25/24	
Sample No	: WG2007182-3	**Init. Calib. Times**	: 16:43	19:21	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	100	0
2-Fluorophenol	1.131	1.072	.01	5.2	20	97	0
Phenol-d6	1.39	1.282	.01	7.8	20	93	0
Bis(2-chloroethyl)ether	1000	860.338	.01	14	20	84	0
n-nitrosodi-n-propylamine	0.879	0.655	.01	25.5*	20	75	0
Hexachloroethane	0.502	0.493	.01	1.8	20	98	0
Nitrobenzene-d5	0.897	1.019	.01	-13.6	20	108	0
Naphthalene-d8	1	1	.01	0	20	97	0
Naphthalene	1.053	0.995	.01	5.5	20	94	0
Hexachlorobutadiene	0.187	0.187	.01	0	20	98	0
2-Methylnaphthalene	0.674	0.676	.01	-0.3	20	98	0
1-Methylnaphthalene	0.627	0.625	.01	0.3	20	98	0
2-Fluorobiphenyl	0.769	0.757	.01	1.6	20	98	0
2-Chloronaphthalene	0.677	0.655	.01	3.2	20	94	0
2,6-Dinitrotoluene	0.092	0.144	.01	-56.5*	20	144	0
Acenaphthylene	1.002	0.996	.01	0.6	20	94	0
Acenaphthene-d10	1	1	.01	0	20	100	0
Acenaphthene	1.308	1.218	.01	6.9	20	96	0
2,4-Dinitrotoluene	1000	1423.121	.01	-42.3*	20	154	0
Fluorene	1.393	1.355	.01	2.7	20	98	0
2,4,6-Tribromophenol	0.184	0.232	.01	-26.1*	20	119	0
Phenanthrene-d10	1	1	.01	0	20	101	0
4,6-Dinitro-o-cresol	1000	1804.104	.01	-80.4*	20	199	0
Hexachlorobenzene	0.263	0.235	.01	10.6	20	92	0
Pentachlorophenol	0.098	0.108	.01	-10.2	20	99	0
Phenanthrene	1.086	1.022	.01	5.9	20	99	0
Anthracene	1.066	1.034	.01	3	20	98	0
Fluoranthene	1.216	1.154	.01	5.1	20	97	0
Pyrene	1.291	1.239	.01	4	20	98	0
4-Terphenyl-d14	0.818	0.823	.01	-0.6	20	105	0
Chrysene-d12	1	1	.01	0	20	100	0
Benzo[a]anthracene	0.392	0.332	.01	15.3	20	93	0
3,3'-Dichlorobenzidine	0.418	0.435	.01	-4.1	20	92	0
Chrysene	1.207	1.166	.01	3.4	20	98	0
Bis(2-ethylhexyl)phthalate	0.696	0.671	.01	3.6	20	91	0
Perylene-d12	1	1	.01	0	20	92	0
Benzo[b]fluoranthene	1.031	1.093	.01	-6	20	95	0
Benzo[k]fluoranthene	1.093	1.122	.01	-2.7	20	90	0
Benzo[a]pyrene	0.911	0.958	.01	-5.2	20	90	0
Indeno[1,2,3-cd]pyrene	0.849	0.867	.01	-2.1	20	83	0
Dibenzo[a,h]anthracene	0.865	0.915	.01	-5.8	20	89	0
Benzo[g,h,i]perylene	0.89	0.885	.01	0.6	20	87	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : ccv1205.D
Acq On : 05 Dec 2024 06:29 am
Operator : SV125:jjw
Sample : WG2005685-3,32,,ICV 10884 (1130)
Misc : WG2005685,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 05 06:49:44 2024
Quant Method : I:\8270SIM\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:08 2024
Response via : Initial Calibration

Min. RRF : 0.050 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	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
2	s	2-Fluorophenol	1.075	1.019	5.2	87	0.00
3	s	Phenol-d6	1.360	1.207	11.3	83	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	867.440	13.3	83	0.00
5	T	n-nitrosodi-n-propylamine	0.775	0.694	10.5	77	0.00
6	t	Hexachloroethane	0.503	0.452	10.1	83	0.00
7	s	Nitrobenzene-d5	1.158	1.062	8.3	79	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	95	0.00
9	t	Naphthalene	1.074	0.948	11.7	87	0.00
10	t	Hexachlorobutadiene	0.220	0.179	18.6	79	0.00
11	t	2-Methylnaphthalene	0.724	0.655	9.5	87	0.00
12	t	1-Methylnaphthalene	0.677	0.603	10.9	86	0.00
13	s	2-Fluorobiphenyl	0.890	0.770	13.5	84	0.00
14	t	2-Chloronaphthalene	0.758	0.667	12.0	84	0.00
15	t	2,6-Dinitrotoluene	0.173	0.163	5.8	84	0.00
16	t	Acenaphthylene	1.076	1.014	5.8	86	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	93	0.00
18	t	Acenaphthene	1.289	1.135	11.9	86	0.00
19	t	2,4-Dinitrotoluene	0.376	0.373	0.8	87	0.00
20	t	Fluorene	1.423	1.268	10.9	85	0.00
21	s	2,4,6-Tribromophenol	0.217	0.216	0.5	81	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	99	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	815.726	18.4	81	0.00
24	t	Hexachlorobenzene	0.256	0.204	20.3#	81	0.00
25	t	Pentachlorophenol	*1000.000	846.399	15.4	75	0.00
26	t	Phenanthrene	1.105	0.934	15.5	88	0.00
27	t	Anthracene	1.064	0.948	10.9	87	0.00
28	t	Fluoranthene	1.270	1.102	13.2	87	0.00
29	t	Pyrene	1.342	1.175	12.4	88	0.00
30	s	4-Terphenyl-d14	0.922	0.728	21.0#	82	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	98	0.00
32	t	Benzo[a]anthracene	*1000.000	943.424	5.7	88	0.00
33	t	3,3'-Dichlorobenzidine	0.448	0.446	0.4	90	0.00
34	t	Chrysene	1.132	1.096	3.2	88	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.648	0.669	-3.2	95	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : ccv1205.D
Acq On : 05 Dec 2024 06:29 am
Operator : SV125:jjw
Sample : WG2005685-3,32,,ICV 10884 (1130)
Misc : WG2005685,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 05 06:49:44 2024
Quant Method : I:\8270SIM\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:08 2024
Response via : Initial Calibration

Min. RRF : 0.050 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)
36	i	Perylene-d12	1.000	1.000	0.0	102	0.00
37	t	Benzo[b]fluoranthene	1.113	1.012	9.1	91	0.00
38	t	Benzo[k]fluoranthene	1.017	0.928	8.8	89	0.00
39	t	Benzo[a]pyrene	0.923	0.883	4.3	91	0.00
40	t	Indeno[1,2,3-cd]pyrene	0.991	0.951	4.0	93	0.00
41	t	Dibenzo[a,h]anthracene	0.913	0.915	-0.2	96	0.00
42	t	Benzo[g,h,i]perylene	0.963	0.898	6.7	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:\8270SIM\SV125\241205RVT\
Data File : ccv1205.D
Acq On : 05 Dec 2024 06:29 am
Operator : SV125:jjw
Sample : WG2005685-3,32,,ICV 10884 (1130)
Misc : WG2005685,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 05 06:49:44 2024
Quant Method : I:\8270SIM\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:08 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.283	152	632709	4000.000	ng/ml	0.00
8) Naphthalene-d8	2.946	136	2356386	4000.000	ng/ml	0.00
17) Acenaphthene-d10	3.924	164	1484083	4000.000	ng/ml	0.00
22) Phenanthrene-d10	4.765	188	3199114	4000.000	ng/ml	0.00
31) Chrysene-d12	6.321	240	3334220	4000.000	ng/ml	0.00
36) Perylene-d12	7.548	264	3903811	4000.000	ng/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	1.691	112	161250	948.491	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.42%			
3) Phenol-d6	2.097	99	190940	887.383	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 44.37%			
7) Nitrobenzene-d5	2.566	82	167940	916.738	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 91.67%			
13) 2-Fluorobiphenyl	3.541	172	453685	865.496	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 86.55%			
21) 2,4,6-Tribromophenol	4.369	330	80002	993.905	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.70%			
30) 4-Terphenyl-d14	5.676	244	582624	789.877	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 78.99%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.146	93	154880	867.440	ng/ml	98
5) n-nitrosodi-n-propylamine	2.482	70	109709	895.364	ng/ml	92
6) Hexachloroethane	2.541	117	71475	898.639	ng/ml	96
9) Naphthalene	2.956	128	558249	882.235	ng/ml	100
10) Hexachlorobutadiene	3.027	225	105497	815.460	ng/ml	100
11) 2-Methylnaphthalene	3.334	142	385675	904.016	ng/ml	99
12) 1-Methylnaphthalene	3.389	142	355454	891.858	ng/ml	100
14) 2-Chloronaphthalene	3.607	162	393040	879.699	ng/ml	100
15) 2,6-Dinitrotoluene	3.803	165	95976	940.637	ng/ml	94
16) Acenaphthylene	3.842	152	597472	942.161	ng/ml	99
18) Acenaphthene	3.942	153	421020	880.118	ng/ml	100
19) 2,4-Dinitrotoluene	4.032	165	138475	992.048	ng/ml	94
20) Fluorene	4.233	166	470532	890.937	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.264	198	80412	815.726	ng/ml	99
24) Hexachlorobenzene	4.549	284	162813	793.707	ng/ml	97
25) Pentachlorophenol	4.662	266	81458	846.399	ng/ml	99
26) Phenanthrene	4.778	178	747174	845.093	ng/ml	100
27) Anthracene	4.807	178	758577	891.048	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : ccv1205.D
Acq On : 05 Dec 2024 06:29 am
Operator : SV125:jjw
Sample : WG2005685-3,32,,ICV 10884 (1130)
Misc : WG2005685,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 05 06:49:44 2024
Quant Method : I:\8270SIM\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:08 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.456	202	881610	868.198	ng/ml	98
29) Pyrene	5.586	202	939417	875.419	ng/ml	99
32) Benzo[a]anthracene	6.313	228	954870	943.424	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.296	252	371524	994.054	ng/ml	99
34) Chrysene	6.337	228	913953	968.394	ng/ml	99
35) Bis(2-ethylhexyl)phtha...	6.329	149	557755	1032.908	ng/ml	99
37) Benzo[b]fluoranthene	7.165	252	987962	909.482	ng/ml	99
38) Benzo[k]fluoranthene	7.188	252	906009	912.625	ng/ml	100
39) Benzo[a]pyrene	7.481	252	862203	956.998	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.777	276	927834M6	958.914	ng/ml	
41) Dibenzo[a,h]anthracene	8.811	278	892688M6	1001.620	ng/ml	
42) Benzo[g,h,i]perylene	9.123	276	876575	932.401	ng/ml#	92

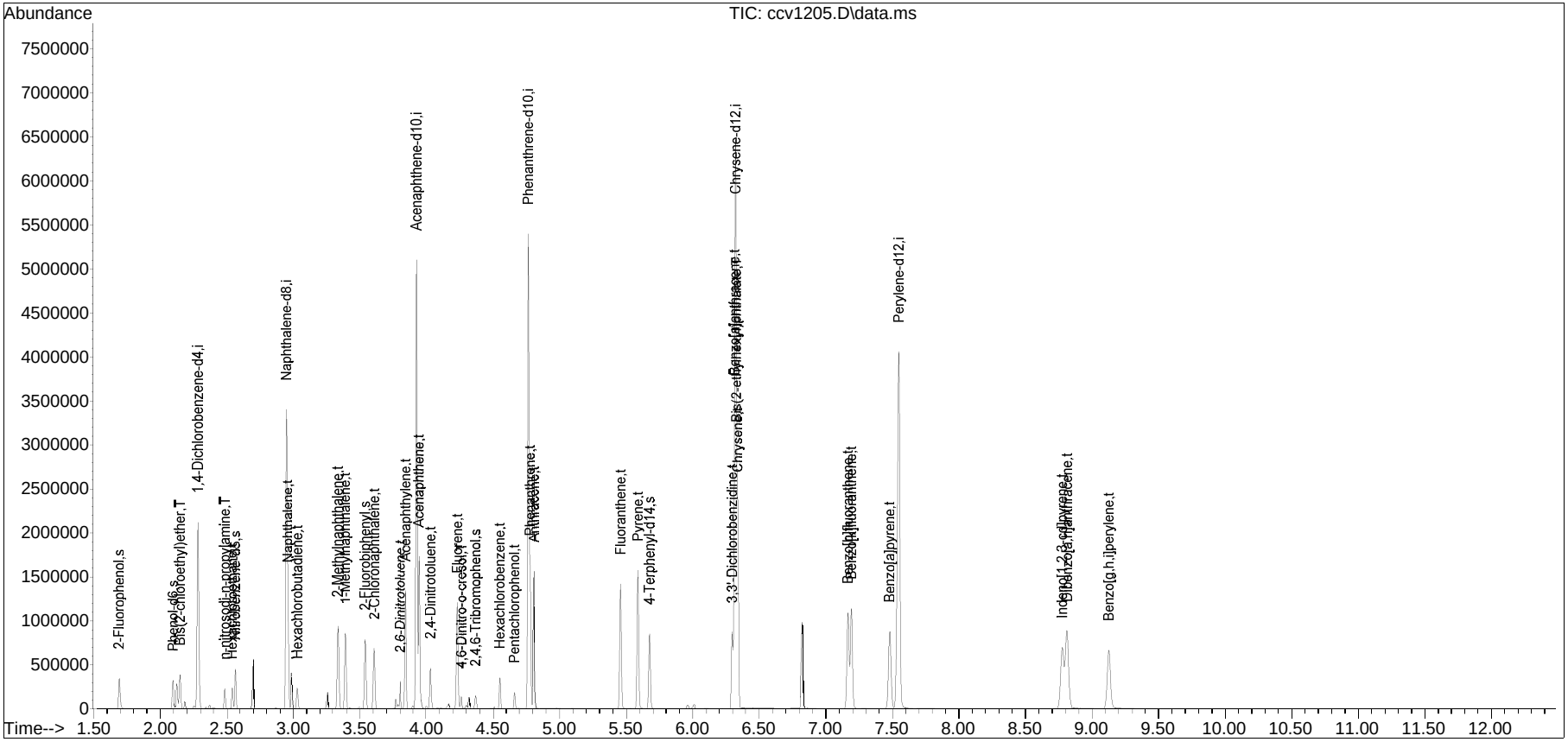
(#) = qualifier out of range (m) = manual integration (+) = signals summed

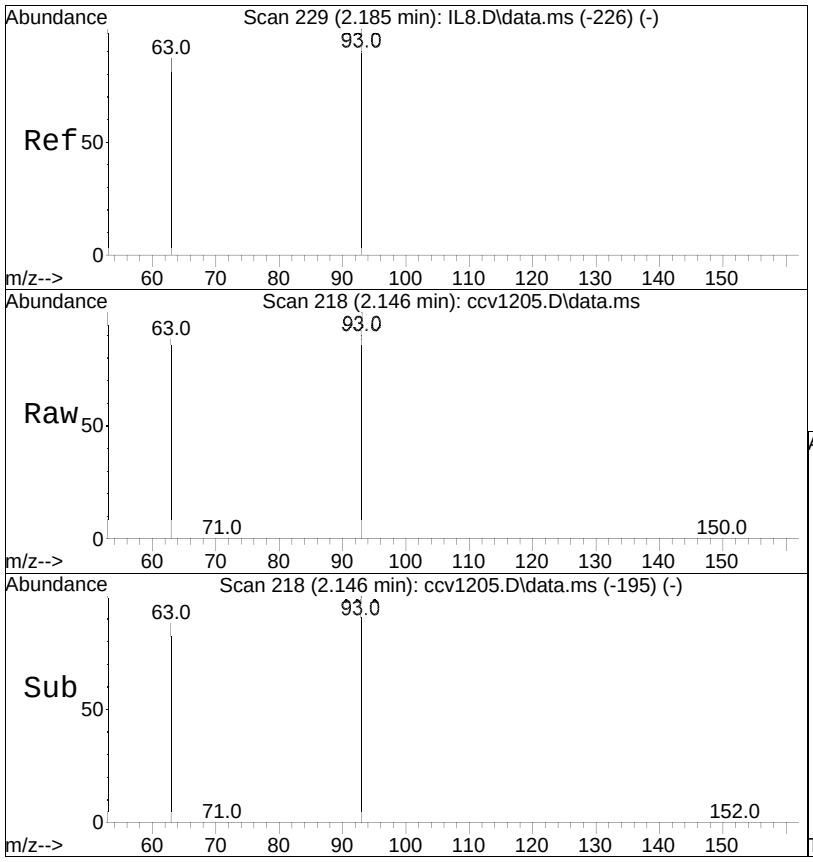
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : ccv1205.D
Acq On : 05 Dec 2024 06:29 am
Operator : SV125:jjw
Sample : WG2005685-3,32,,ICV 10884 (1130)
Misc : WG2005685,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 05 06:49:44 2024
Quant Method : I:\8270SIM\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:08 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

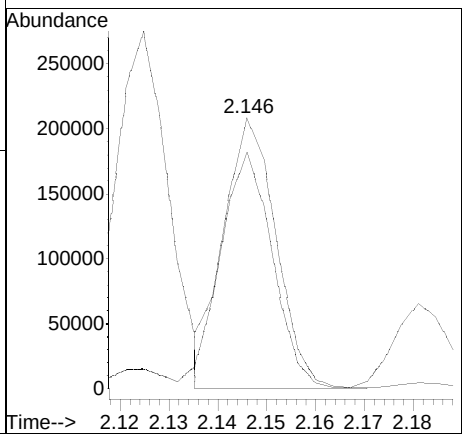


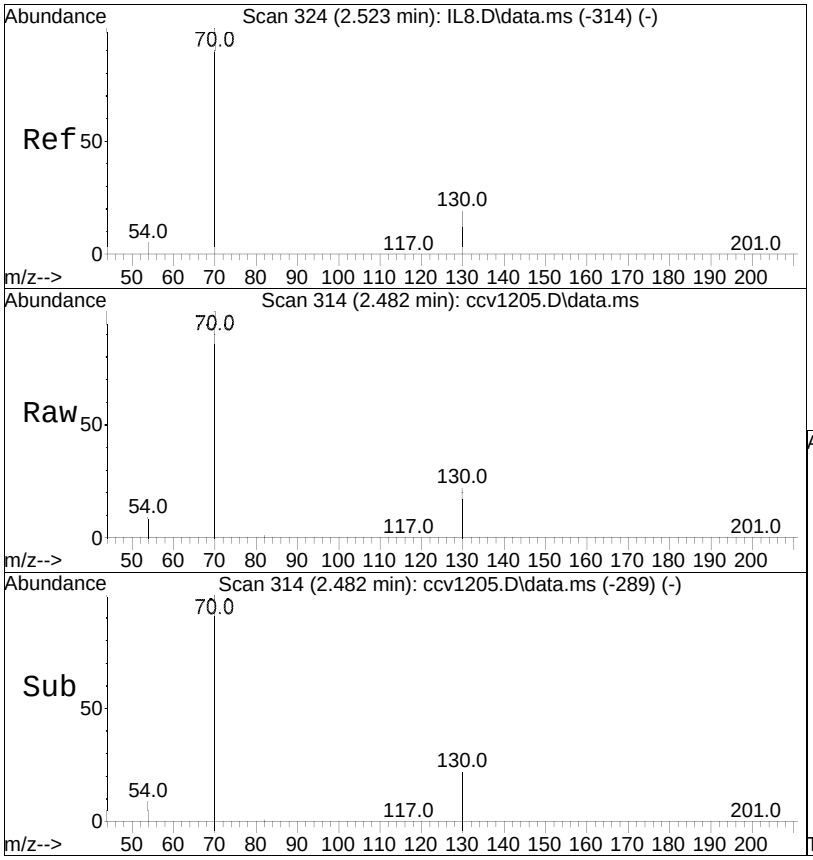


#4
Bis(2-chloroethyl)ether
Concen: 867.44 ng/ml
RT: 2.146 min Scan# 218
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion: 93 Resp: 154880

Ion	Ratio	Lower	Upper
93	100		
63	87.4	71.2	106.8

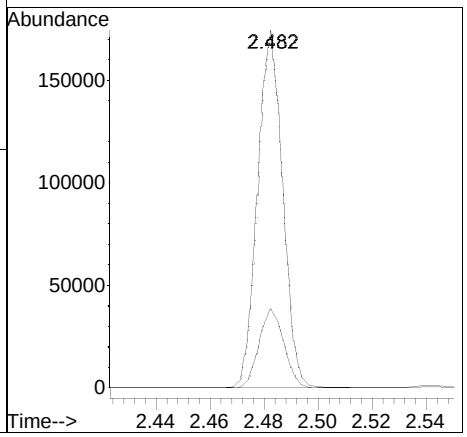


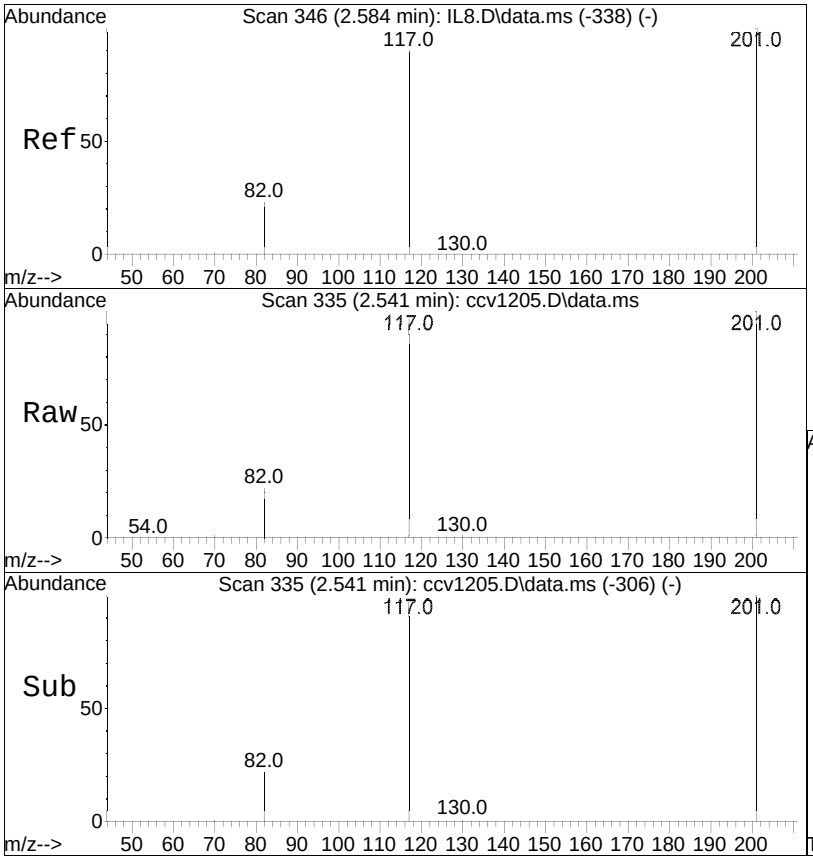


#5
n-nitrosodi-n-propylamine
Concen: 895.36 ng/ml
RT: 2.482 min Scan# 314
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion: 70 Resp: 109709

Ion	Ratio	Lower	Upper
70	100		
130	22.2	15.0	22.6

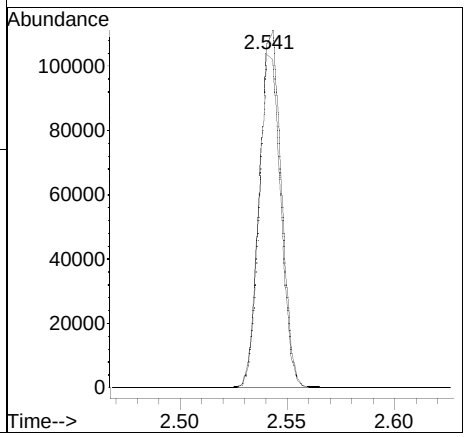


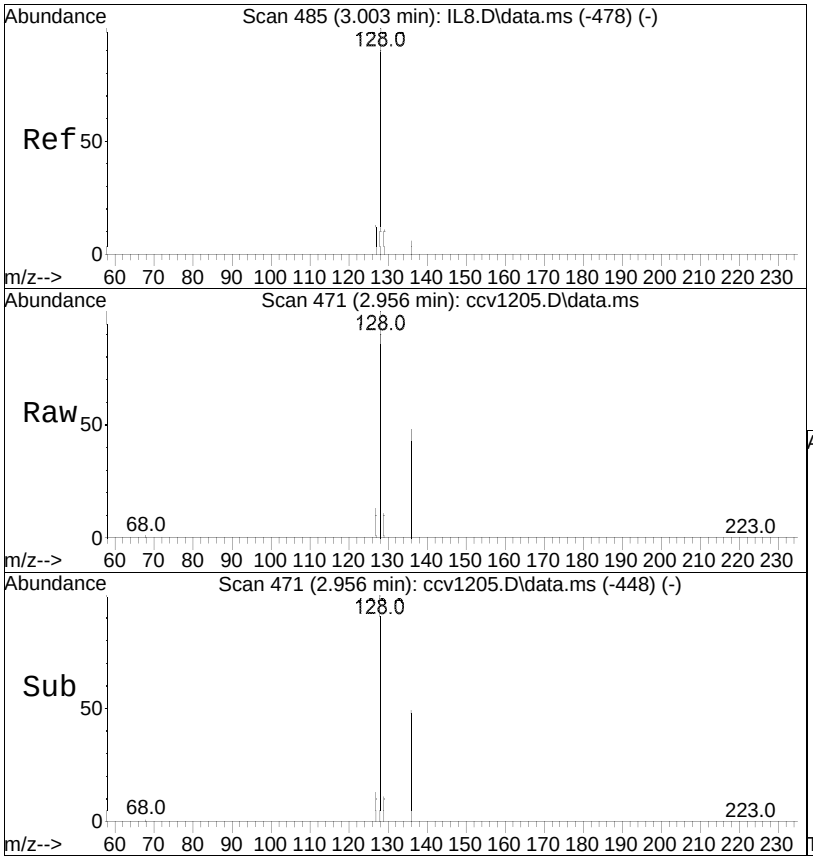


#6
Hexachloroethane
Concen: 898.64 ng/ml
RT: 2.541 min Scan# 335
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:117 Resp: 71475

Ion	Ratio	Lower	Upper
117	100		
201	106.1	88.0	132.0

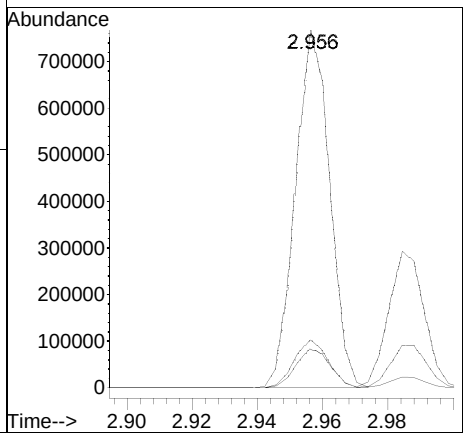


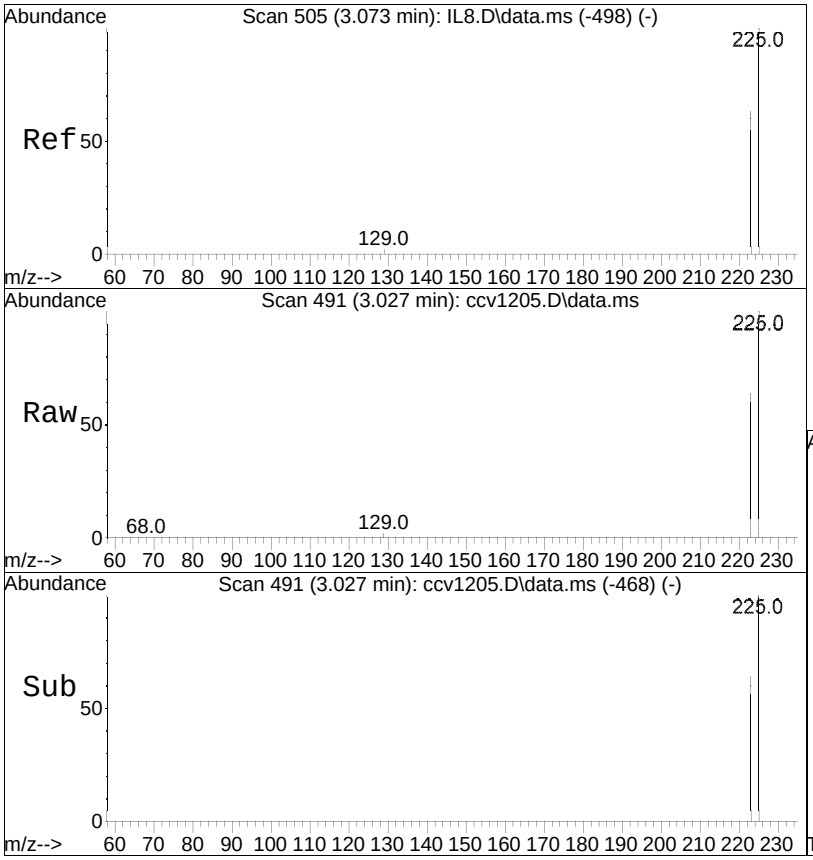


#9
Naphthalene
Concen: 882.23 ng/ml
RT: 2.956 min Scan# 471
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:128 Resp: 558249

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.3	10.9	16.3

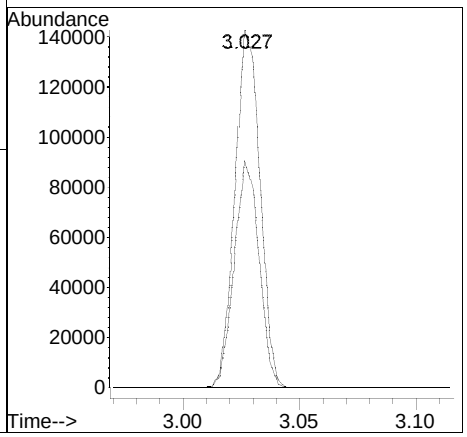


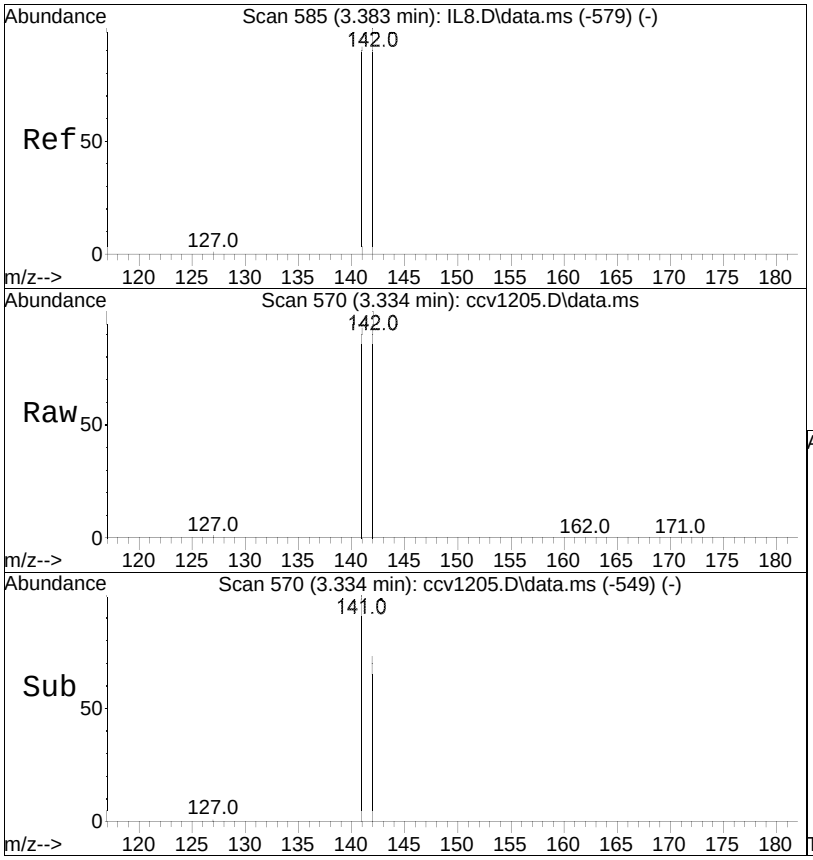


#10
Hexachlorobutadiene
Concen: 815.46 ng/ml
RT: 3.027 min Scan# 491
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:225 Resp: 105497

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.3	75.5

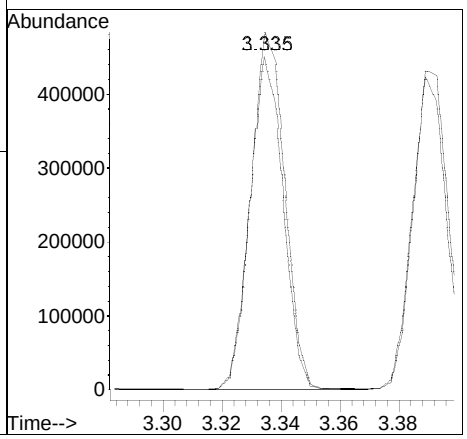


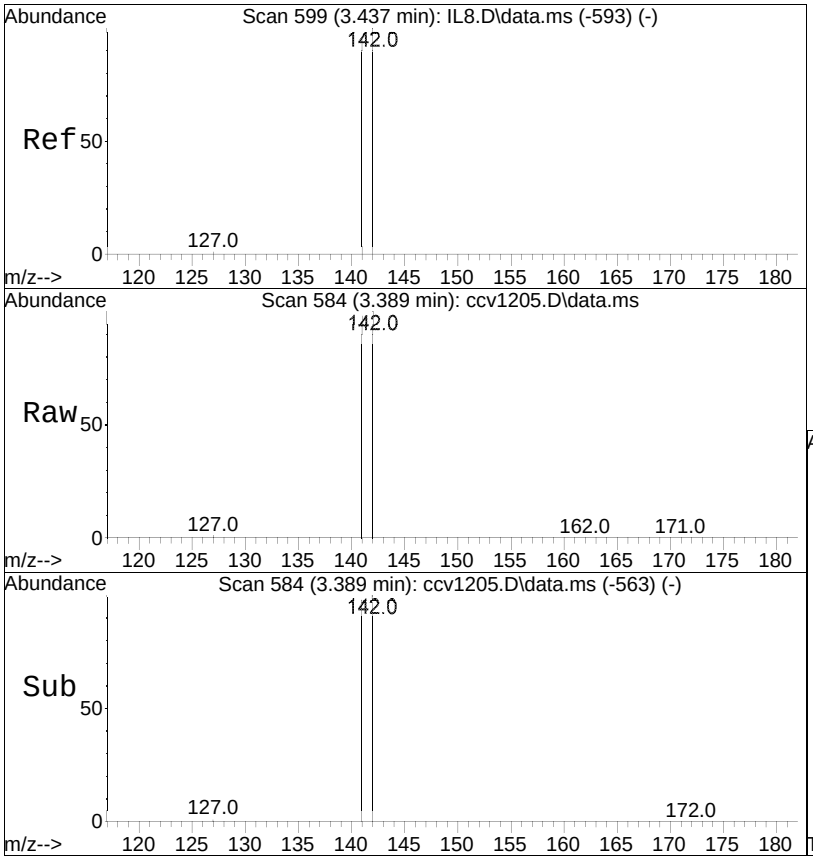


#11
2-Methylnaphthalene
Concen: 904.02 ng/ml
RT: 3.334 min Scan# 570
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:142 Resp: 385675

Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.0	111.0

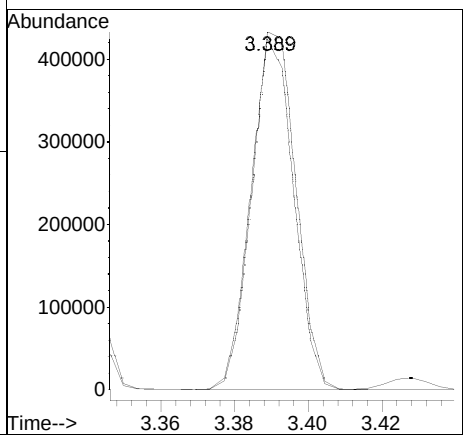


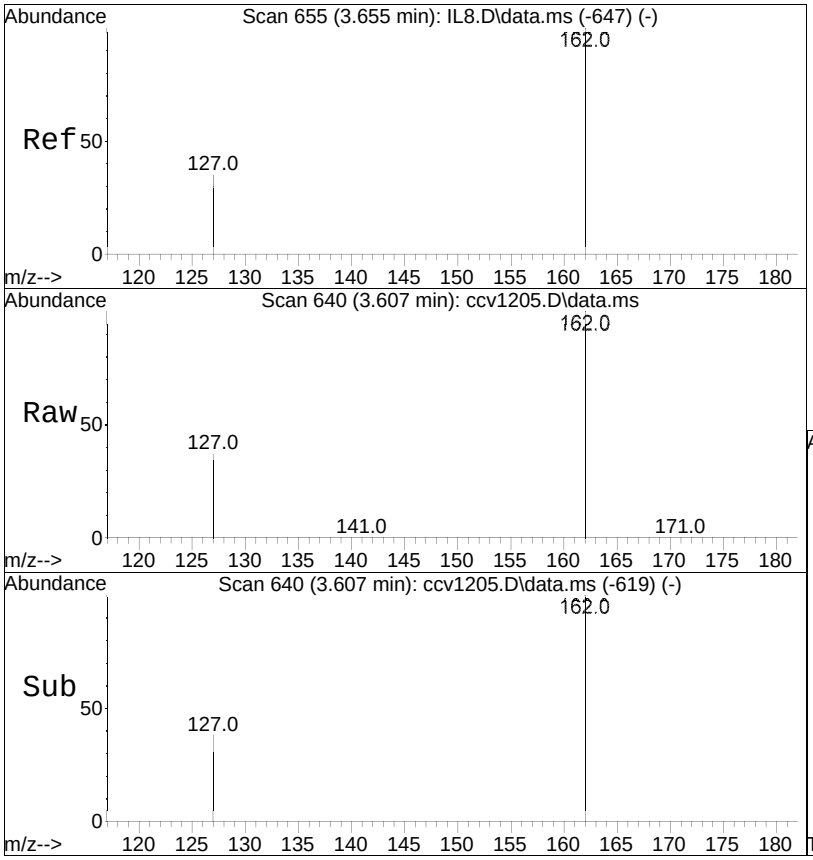


#12
1-Methylnaphthalene
Concen: 891.86 ng/ml
RT: 3.389 min Scan# 584
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:142 Resp: 355454

Ion	Ratio	Lower	Upper
142	100		
141	95.6	76.5	114.7

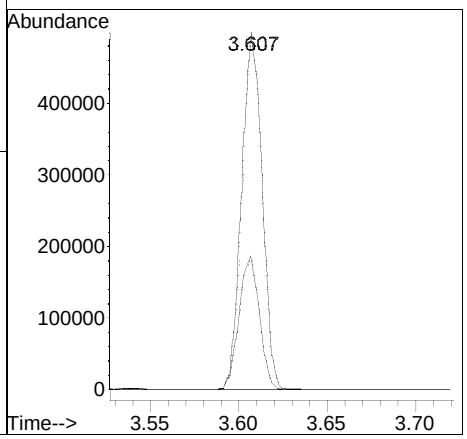


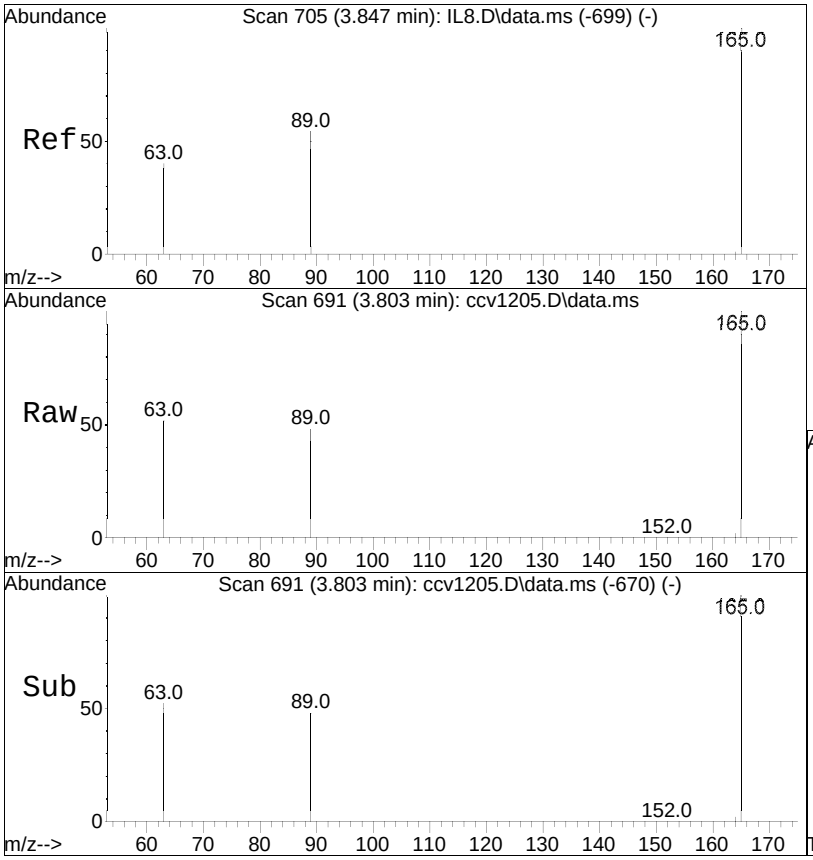


#14
2-Chloronaphthalene
Concen: 879.70 ng/ml
RT: 3.607 min Scan# 640
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:162 Resp: 393040

Ion	Ratio	Lower	Upper
162	100		
127	37.6	30.1	45.1

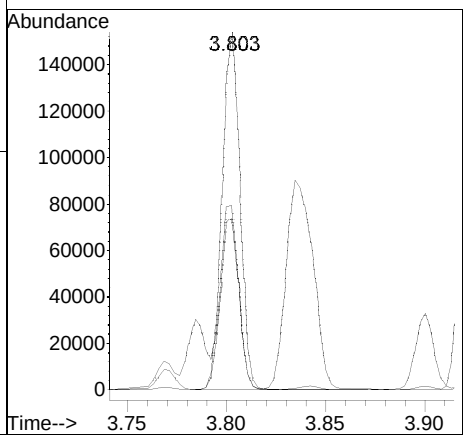


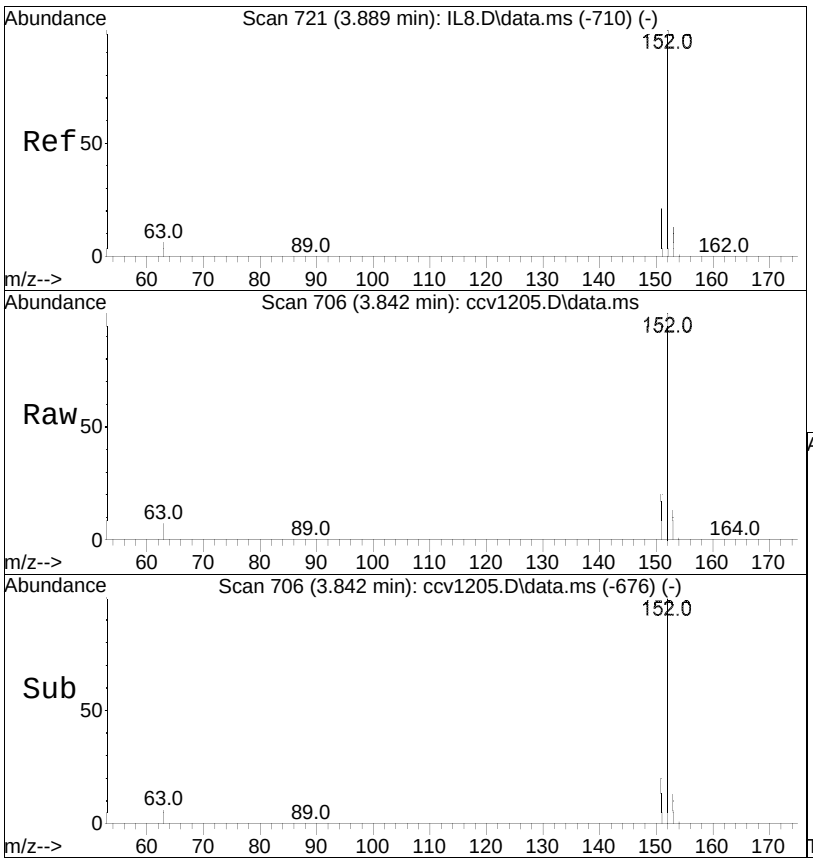


#15
2,6-Dinitrotoluene
Concen: 940.64 ng/ml
RT: 3.803 min Scan# 691
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:165 Resp: 95976

Ion	Ratio	Lower	Upper
165	100		
89	49.8	43.6	65.4
63	52.7	45.9	68.9

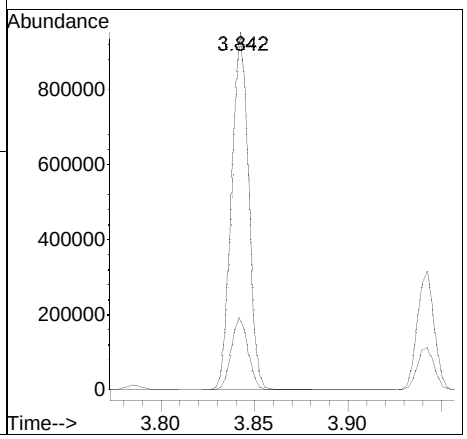


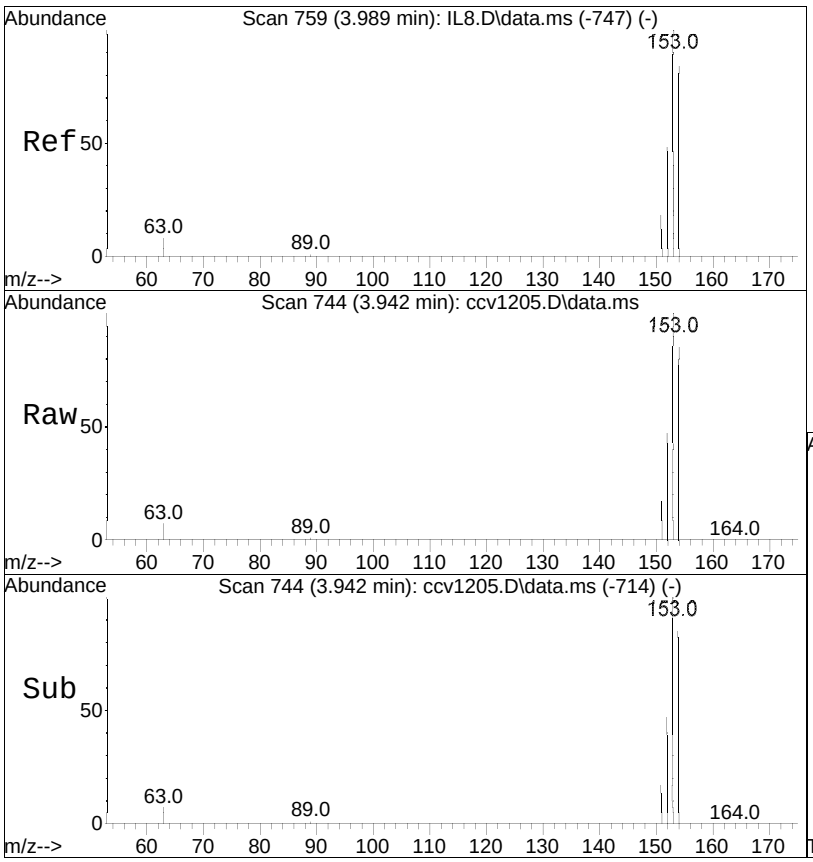


#16
Acenaphthylene
Concen: 942.16 ng/ml
RT: 3.842 min Scan# 706
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:152 Resp: 597472

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.5	24.7

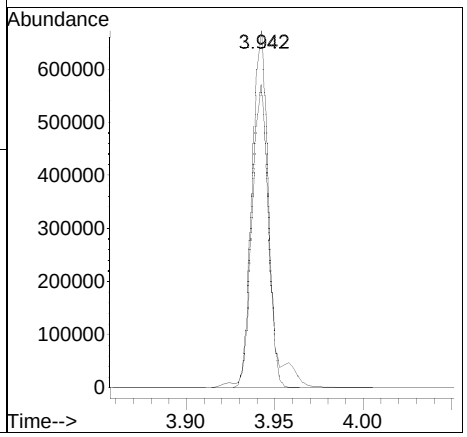


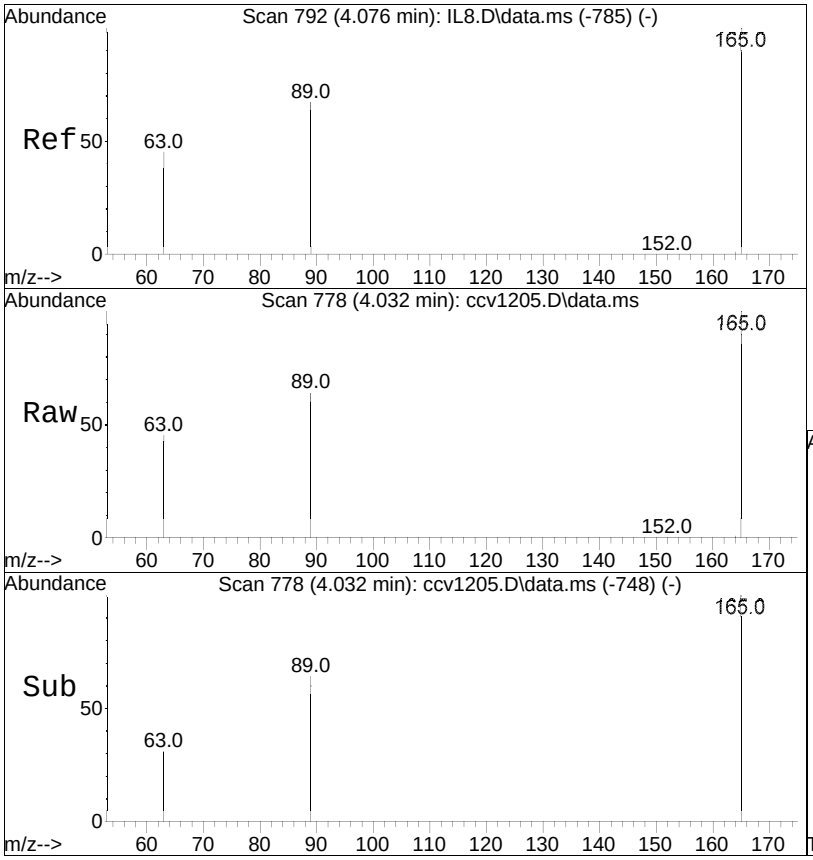


#18
Acenaphthene
Concen: 880.12 ng/ml
RT: 3.942 min Scan# 744
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:153 Resp: 421020

Ion	Ratio	Lower	Upper
153	100		
154	93.8	74.9	112.3

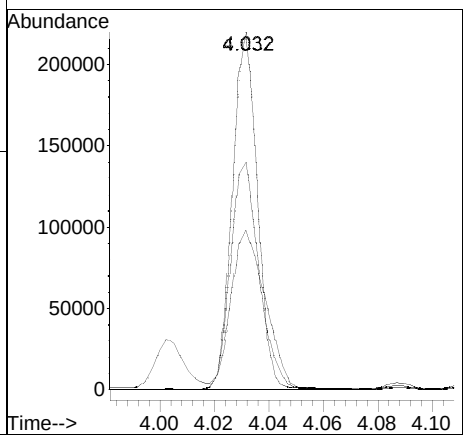


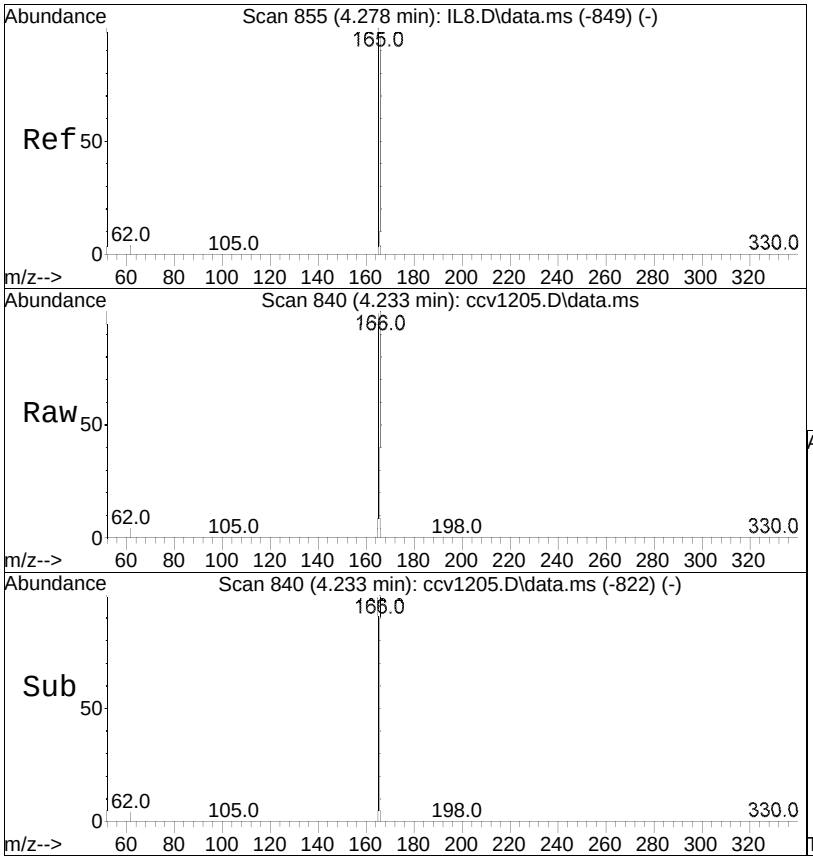


#19
2,4-Dinitrotoluene
Concen: 992.05 ng/ml
RT: 4.032 min Scan# 778
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:165 Resp: 138475

Ion	Ratio	Lower	Upper
165	100		
89	73.1	62.9	94.3
63	60.7	52.2	78.4

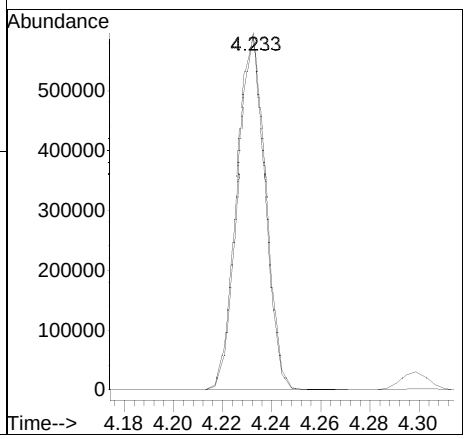


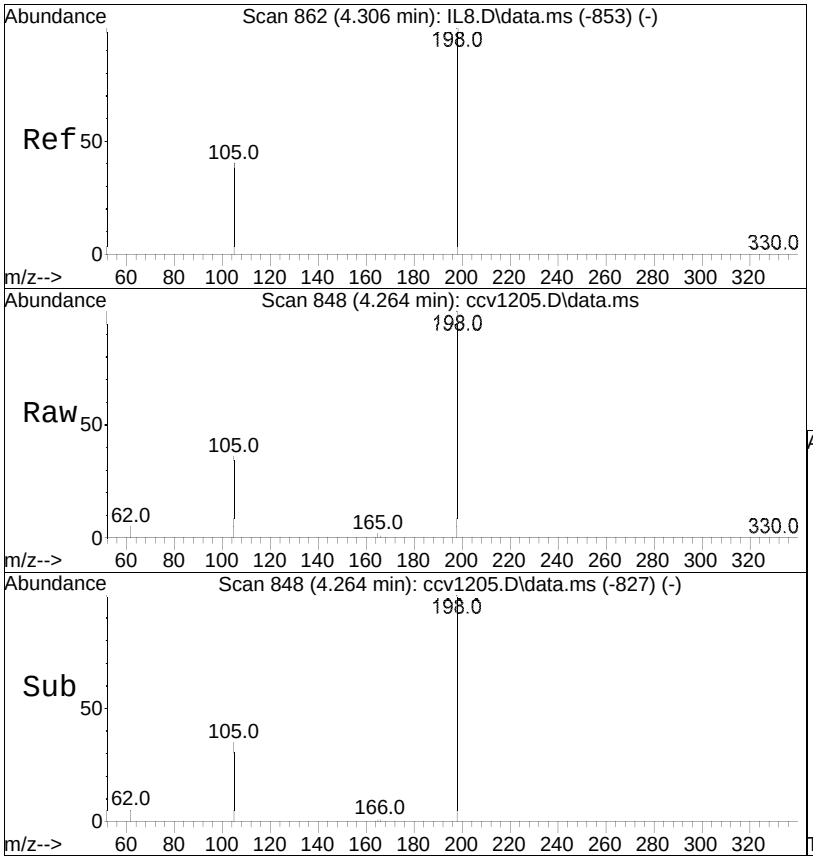


#20
Fluorene
Concen: 890.94 ng/ml
RT: 4.233 min Scan# 840
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:166 Resp: 470532

Ion	Ratio	Lower	Upper
166	100		
165	100.9	82.2	123.4

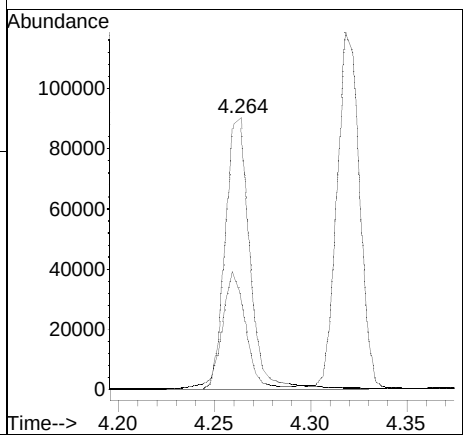


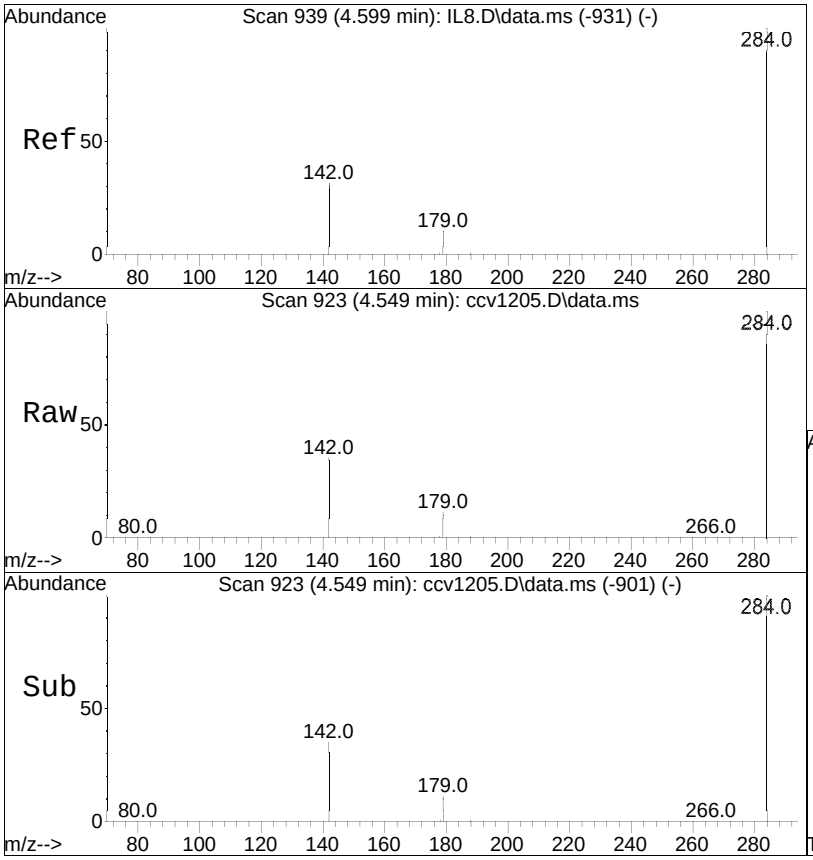


#23
4,6-Dinitro-o-cresol
Concen: 815.73 ng/ml
RT: 4.264 min Scan# 848
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:198 Resp: 80412

Ion	Ratio	Lower	Upper
198	100		
105	41.9	33.1	49.7

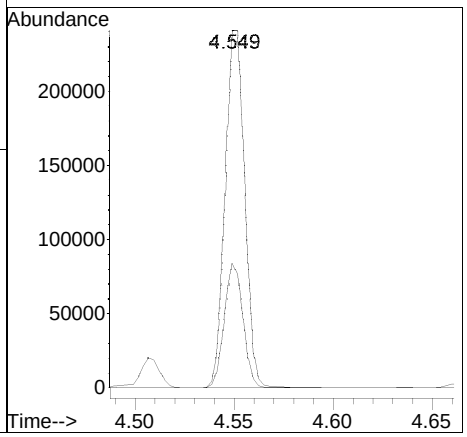


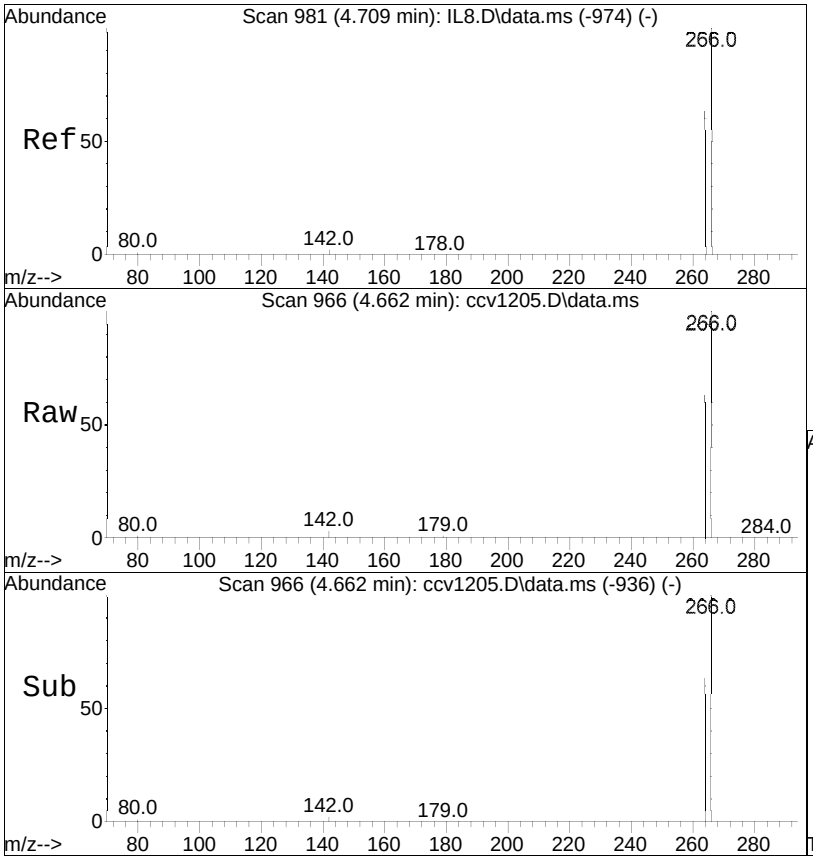


#24
Hexachlorobenzene
Concen: 793.71 ng/ml
RT: 4.549 min Scan# 923
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:284 Resp: 162813

Ion	Ratio	Lower	Upper
284	100		
142	33.6	25.4	38.0

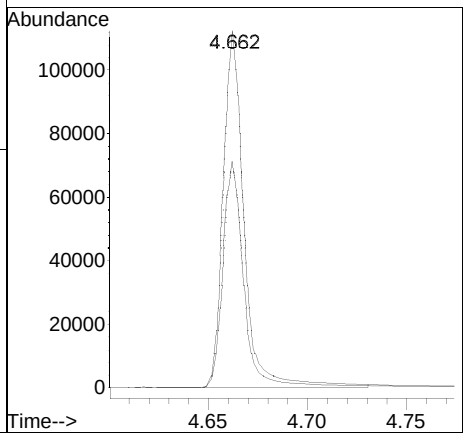


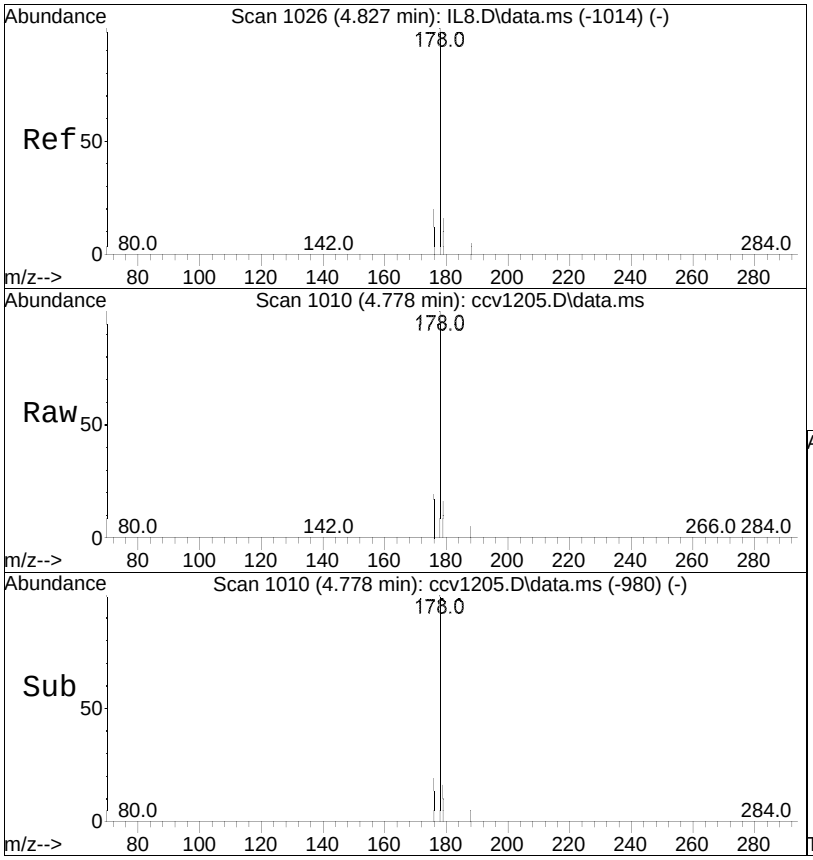


#25
Pentachlorophenol
Concen: 846.40 ng/ml
RT: 4.662 min Scan# 966
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:266 Resp: 81458

Ion	Ratio	Lower	Upper
266	100		
264	63.8	50.6	76.0

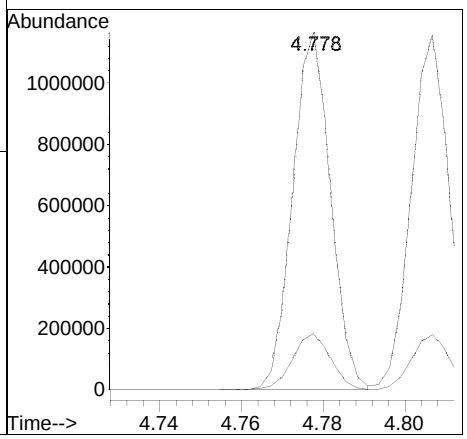


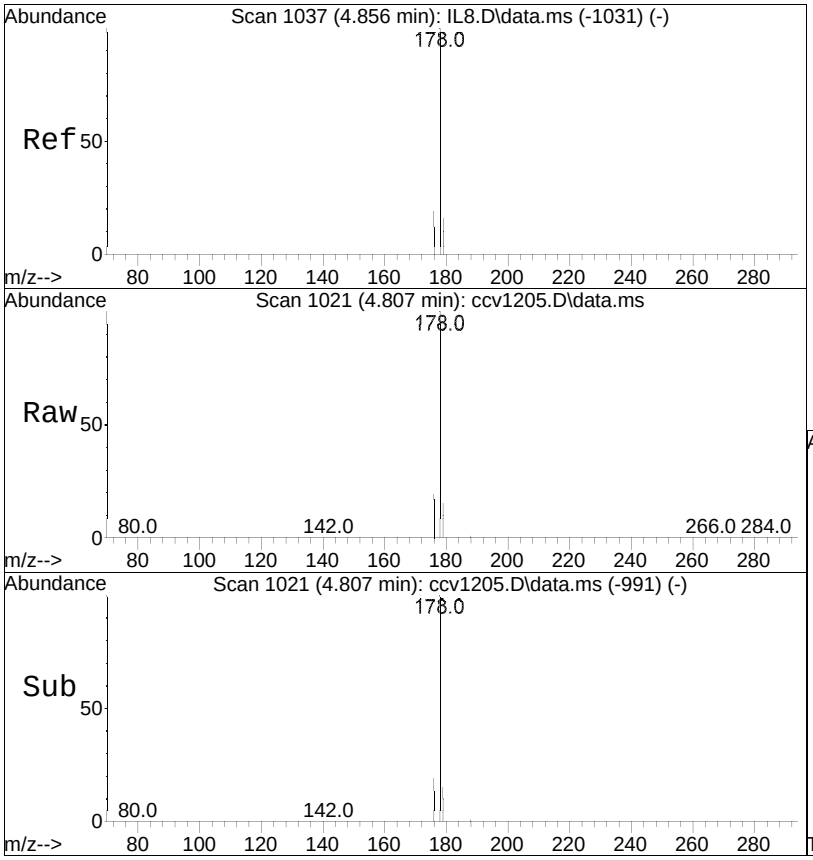


#26
Phenanthrene
Concen: 845.09 ng/ml
RT: 4.778 min Scan# 1010
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:178 Resp: 747174

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.8	19.2

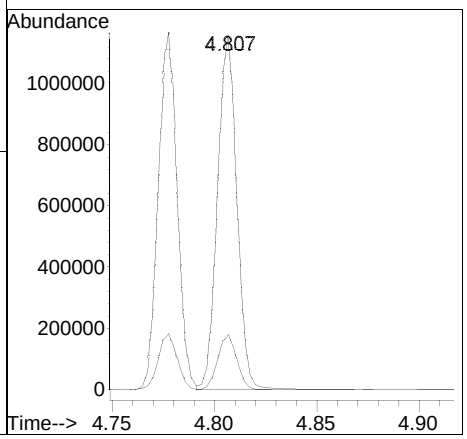


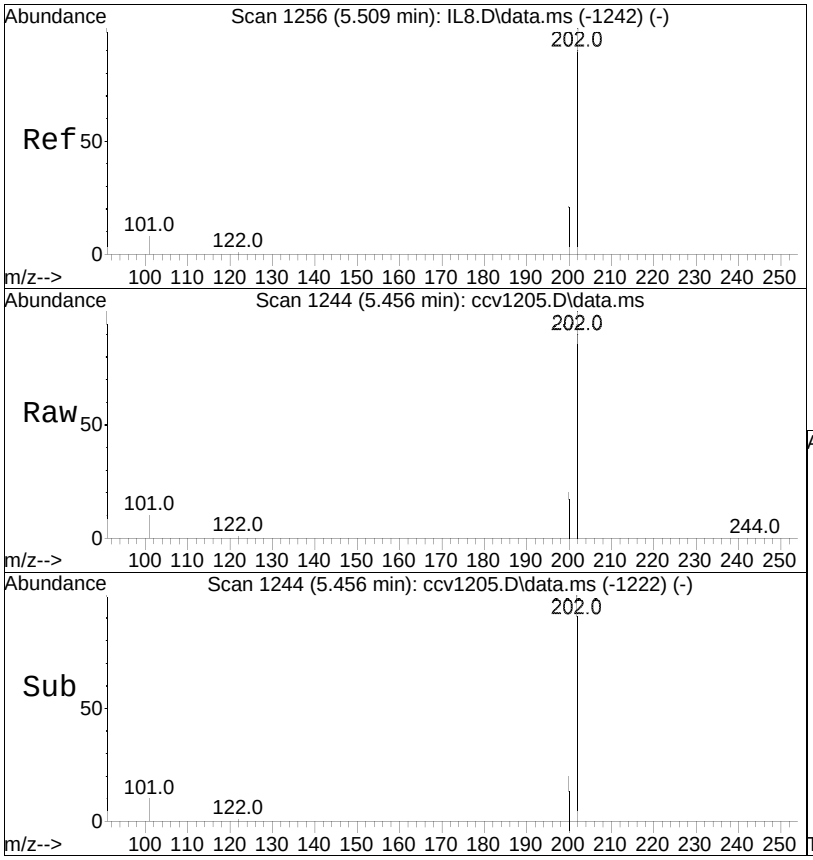


#27
Anthracene
Concen: 891.05 ng/ml
RT: 4.807 min Scan# 1021
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:178 Resp: 758577

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	18.8

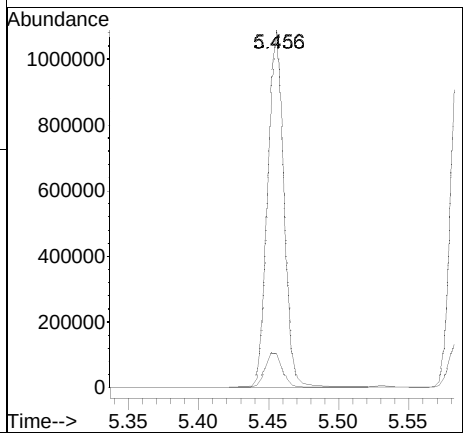


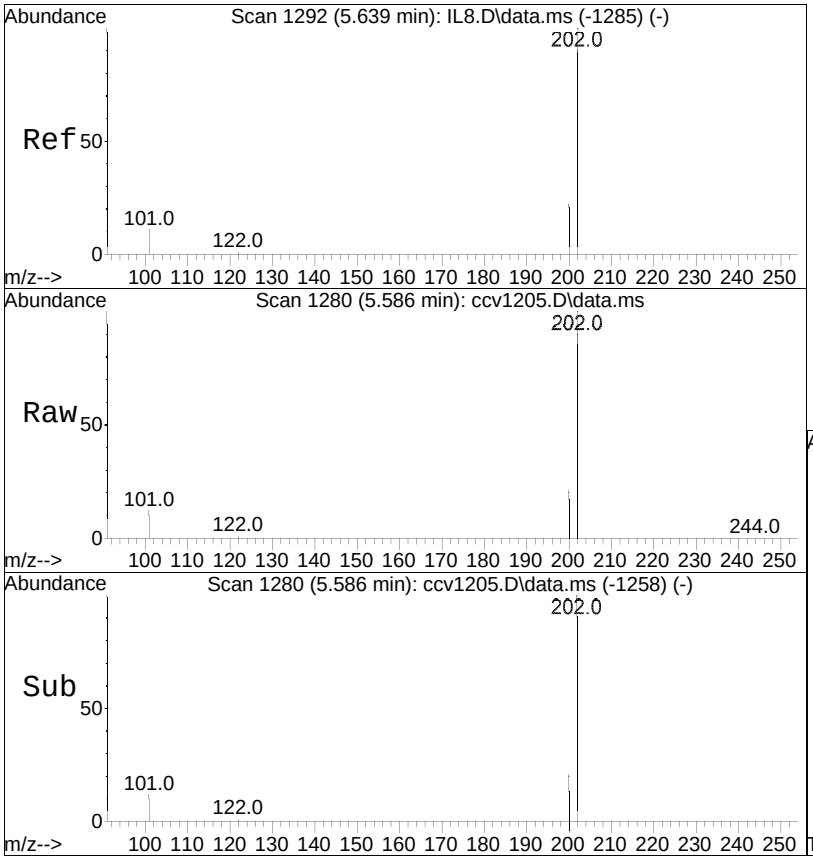


#28
Fluoranthene
Concen: 868.20 ng/ml
RT: 5.456 min Scan# 1244
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:202 Resp: 881610

Ion	Ratio	Lower	Upper
202	100		
101	10.3	7.7	11.5

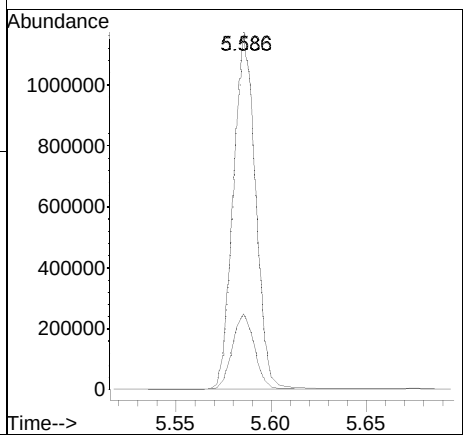


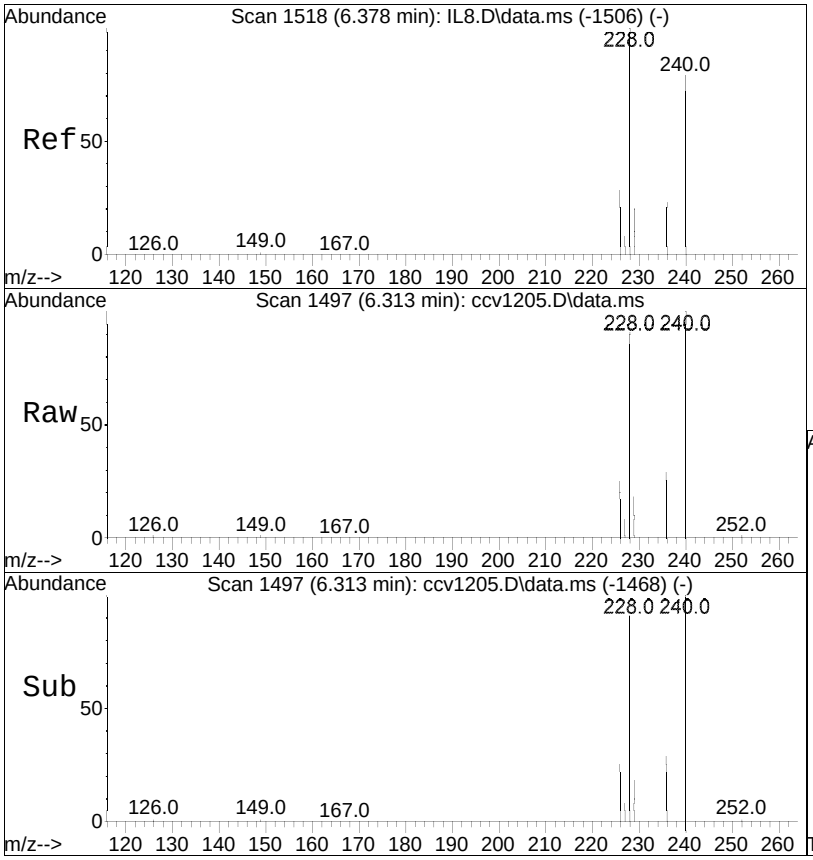


#29
Pyrene
Concen: 875.42 ng/ml
RT: 5.586 min Scan# 1280
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:202 Resp: 939417

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9

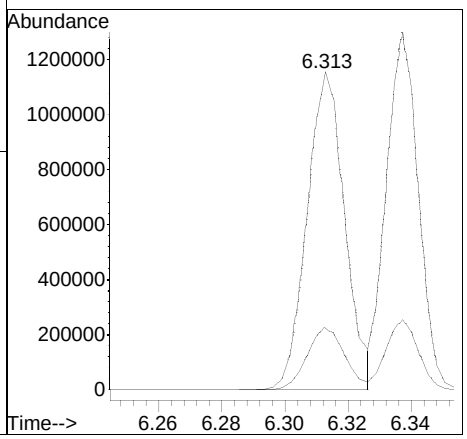


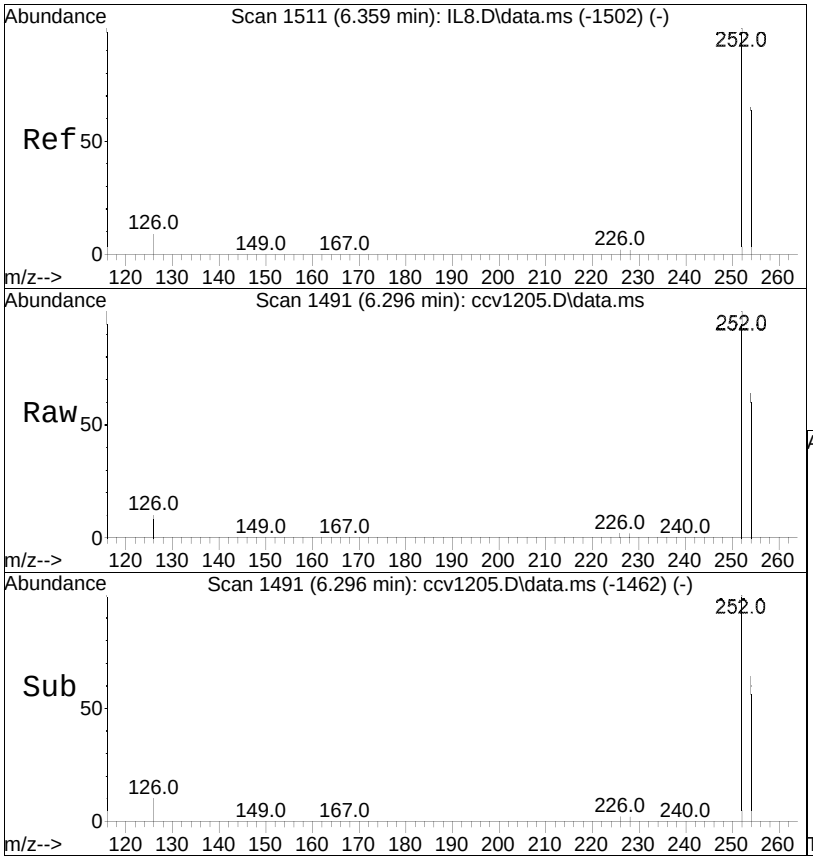


#32
Benzo[a]anthracene
Concen: 943.42 ng/ml
RT: 6.313 min Scan# 1497
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:228 Resp: 954870

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.9	23.9

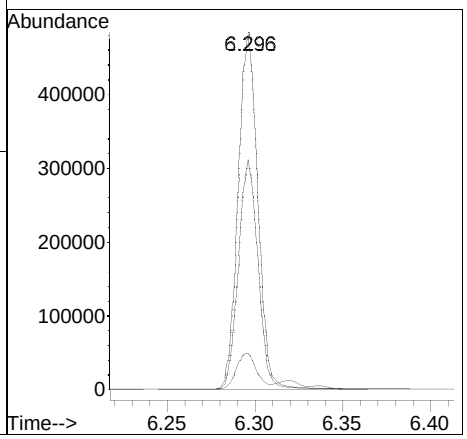


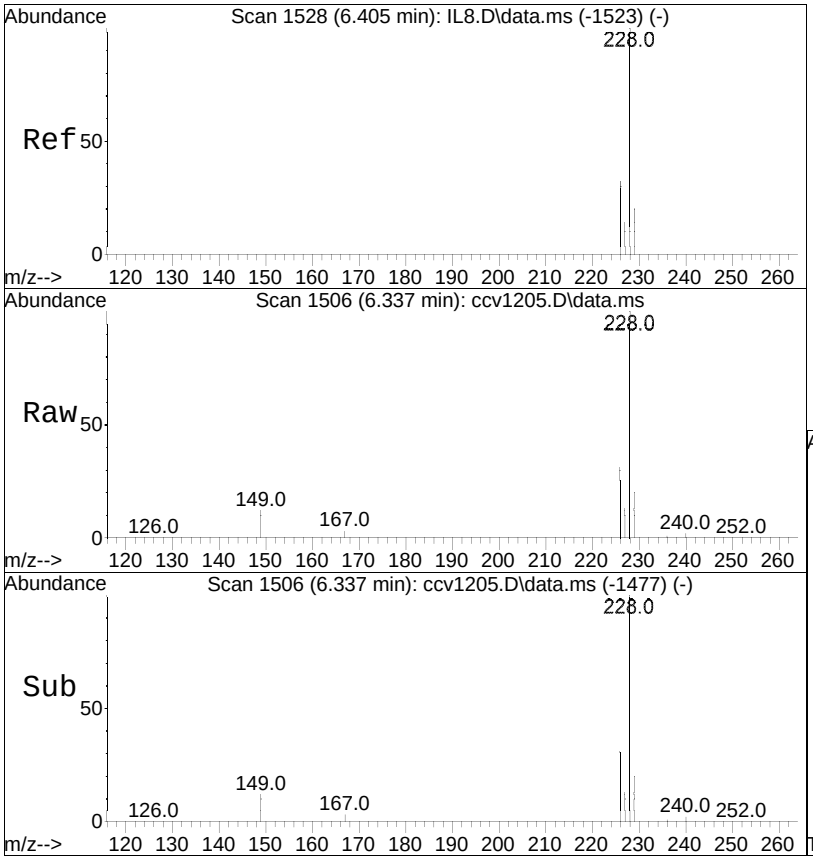


#33
3,3'-Dichlorobenzidine
Concen: 994.05 ng/ml
RT: 6.296 min Scan# 1491
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:252 Resp: 371524

Ion	Ratio	Lower	Upper
252	100		
126	10.9	7.8	11.8
254	64.4	51.8	77.8

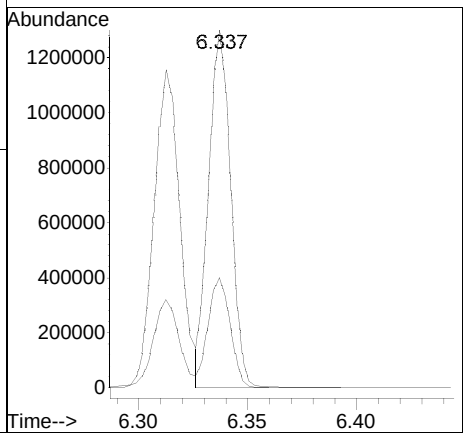


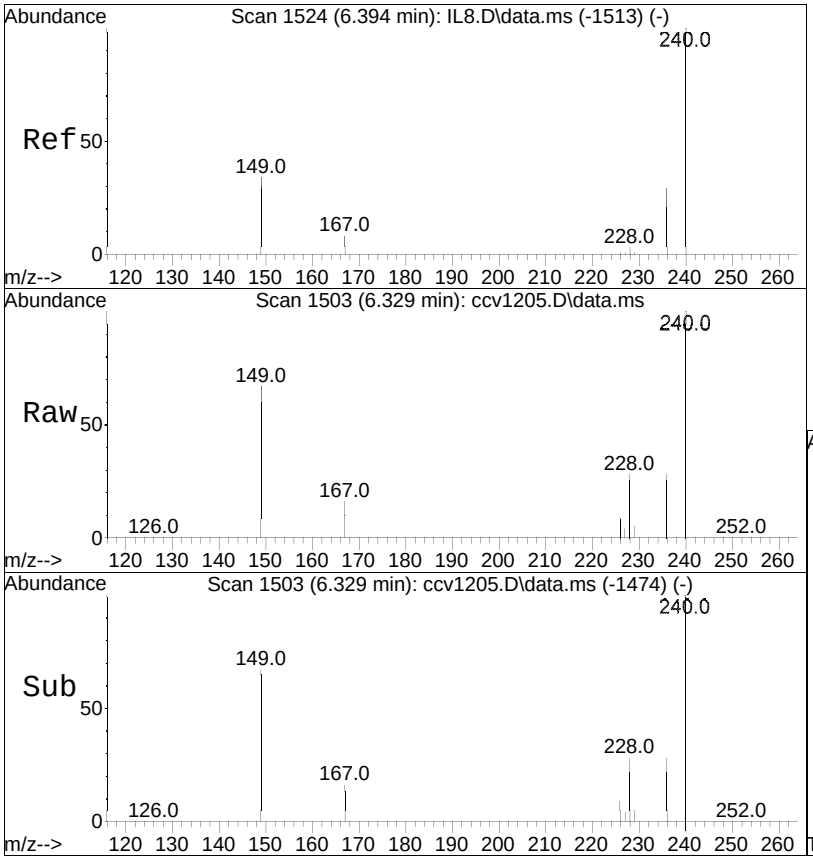


#34
Chrysene
Concen: 968.39 ng/ml
RT: 6.337 min Scan# 1506
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:228 Resp: 913953

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6

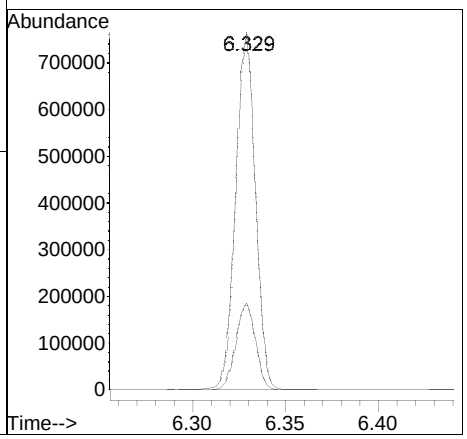


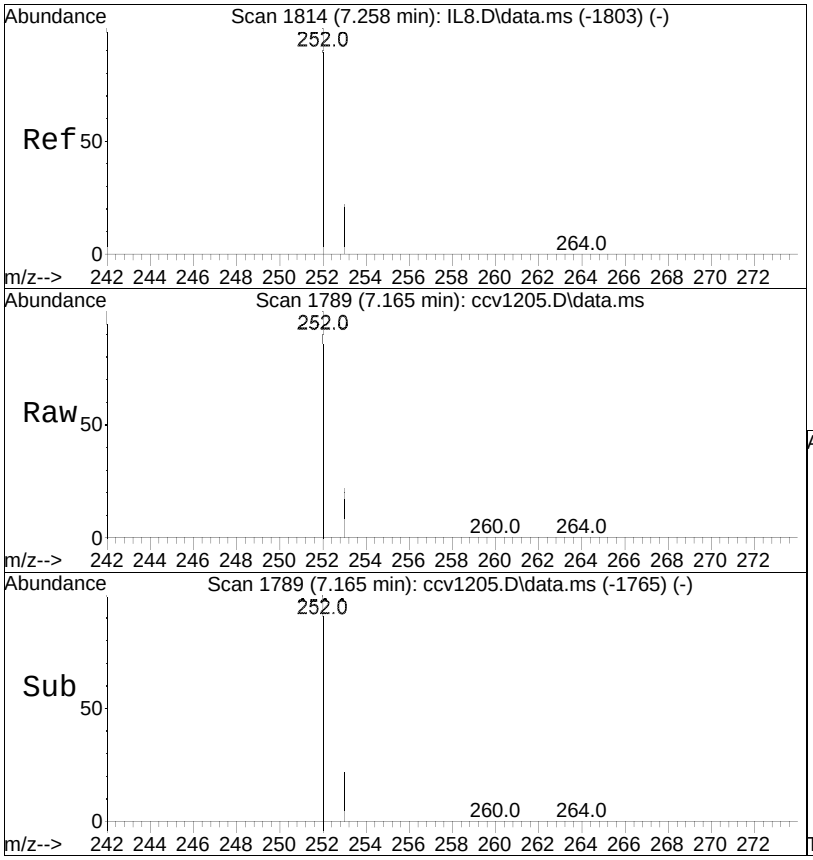


#35
Bis(2-ethylhexyl)phthalate
Concen: 1032.91 ng/ml
RT: 6.329 min Scan# 1503
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:149 Resp: 557755

Ion	Ratio	Lower	Upper
149	100		
167	24.2	19.0	28.4

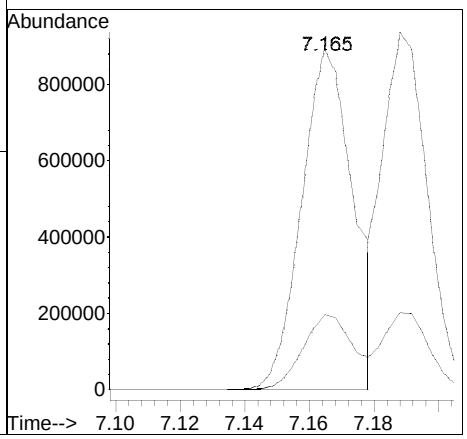


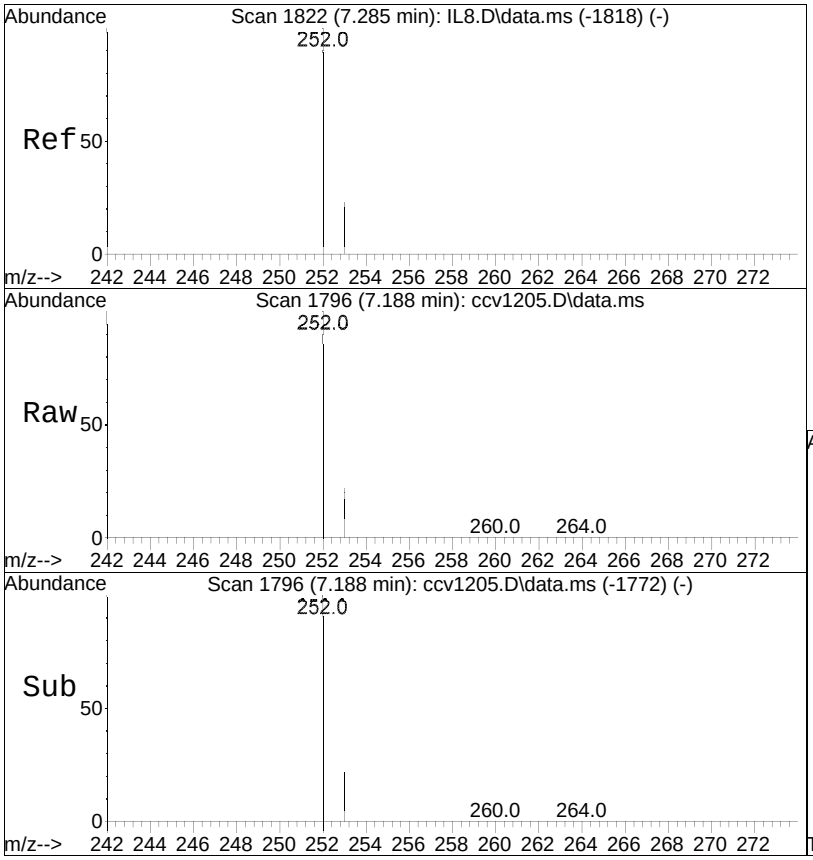


#37
Benzo[b]fluoranthene
Concen: 909.48 ng/ml
RT: 7.165 min Scan# 1789
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:252 Resp: 987962

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4

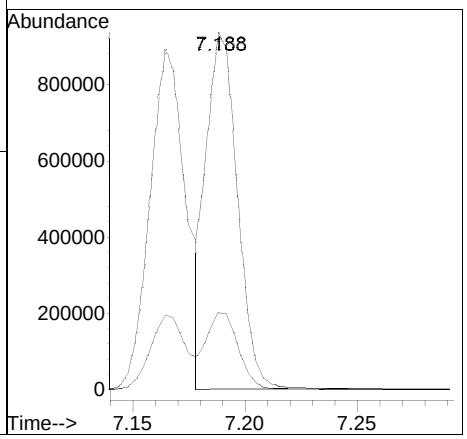


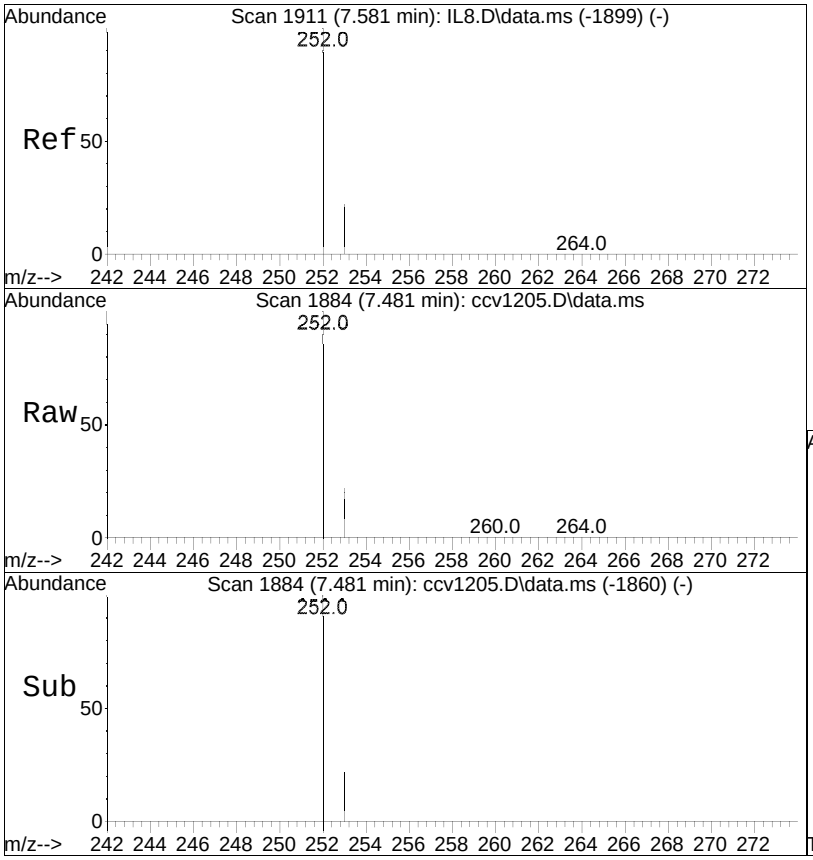


#38
Benzo[k]fluoranthene
Concen: 912.62 ng/ml
RT: 7.188 min Scan# 1796
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:252 Resp: 906009

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8

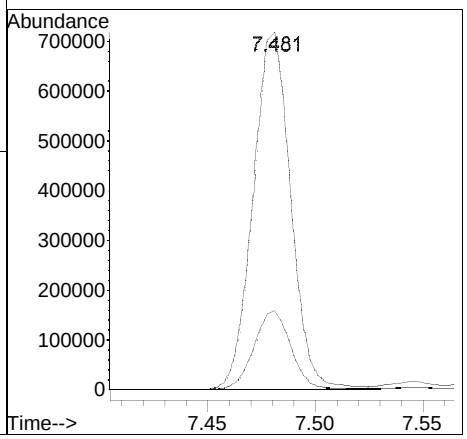


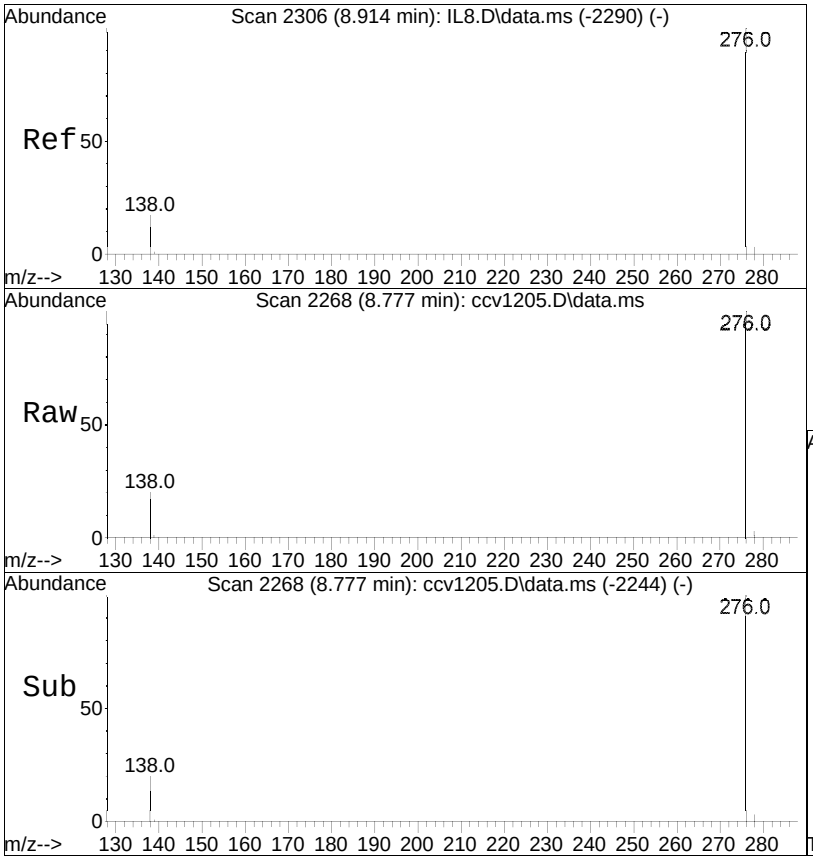


#39
Benzo[a]pyrene
Concen: 957.00 ng/ml
RT: 7.481 min Scan# 1884
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:252 Resp: 862203

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3

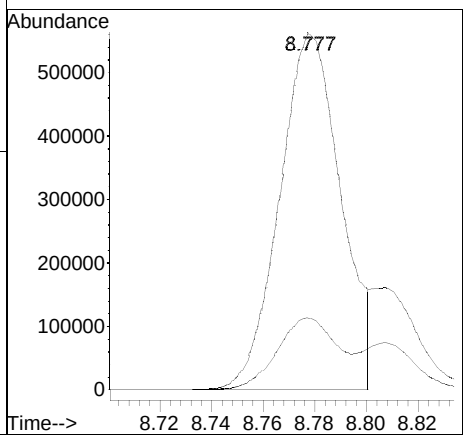


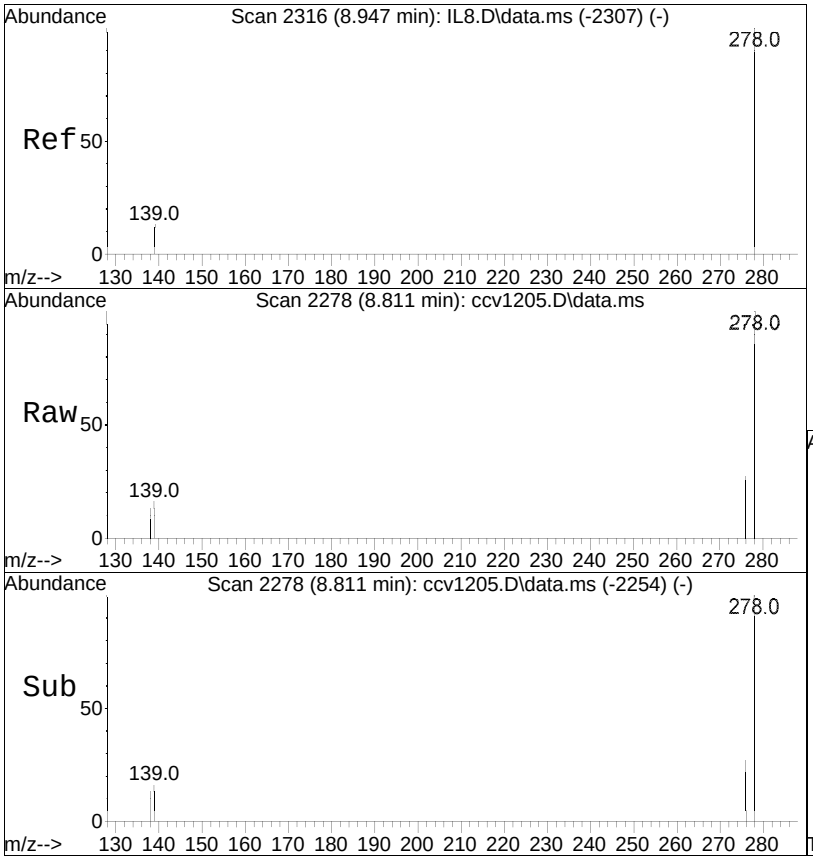


#40
Indeno[1,2,3-cd]pyrene
Concen: 958.91 ng/ml M6
RT: 8.777 min Scan# 2268
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:276 Resp: 927834

Ion	Ratio	Lower	Upper
276	100		
138	19.6	13.3	19.9

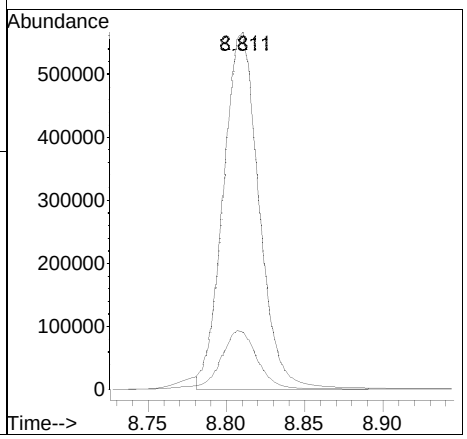


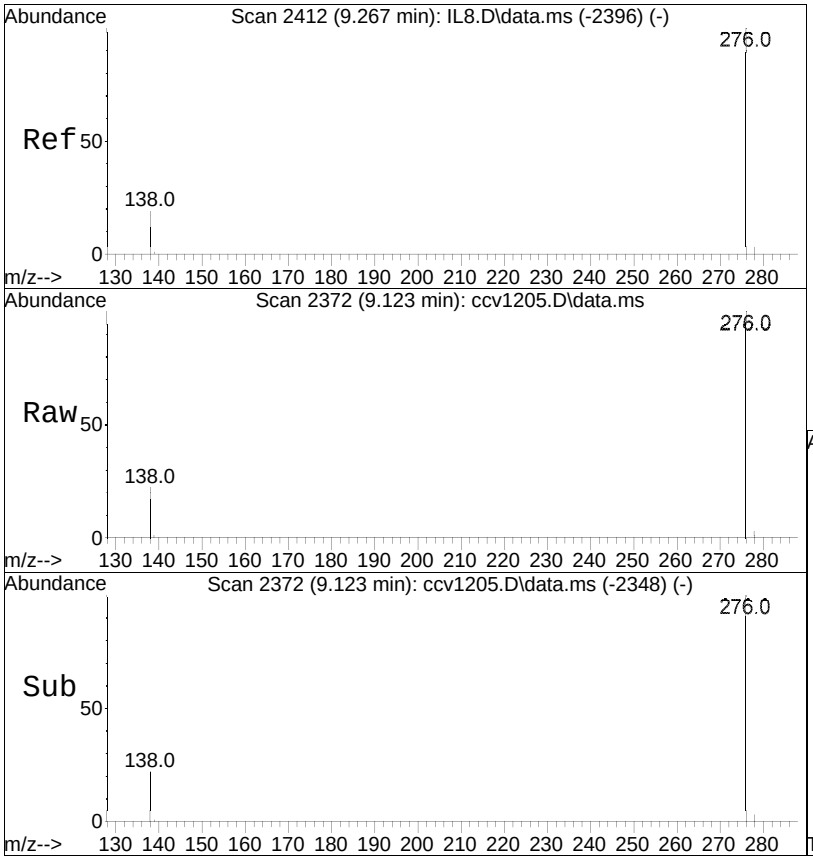


#41
Dibenzo[a,h]anthracene
Concen: 1001.62 ng/ml M6
RT: 8.811 min Scan# 2278
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:278 Resp: 892688

Ion	Ratio	Lower	Upper
278	100		
139	17.1	11.1	16.7#

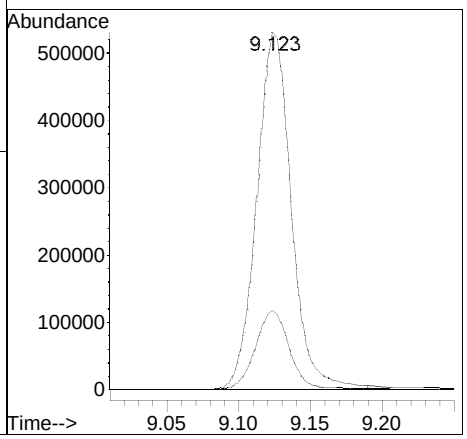




#42
Benzo[g,h,i]perylene
Concen: 932.40 ng/ml
RT: 9.123 min Scan# 2372
Delta R.T. 0.000 min
Lab File: ccv1205.D
Acq: 05 Dec 2024 06:29 am

Tgt Ion:276 Resp: 876575

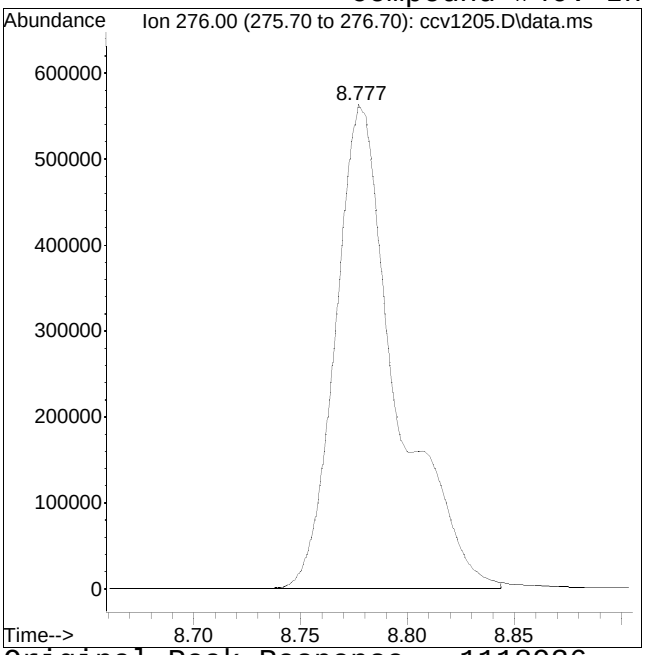
Ion	Ratio	Lower	Upper
276	100		
138	22.0	14.6	22.0#



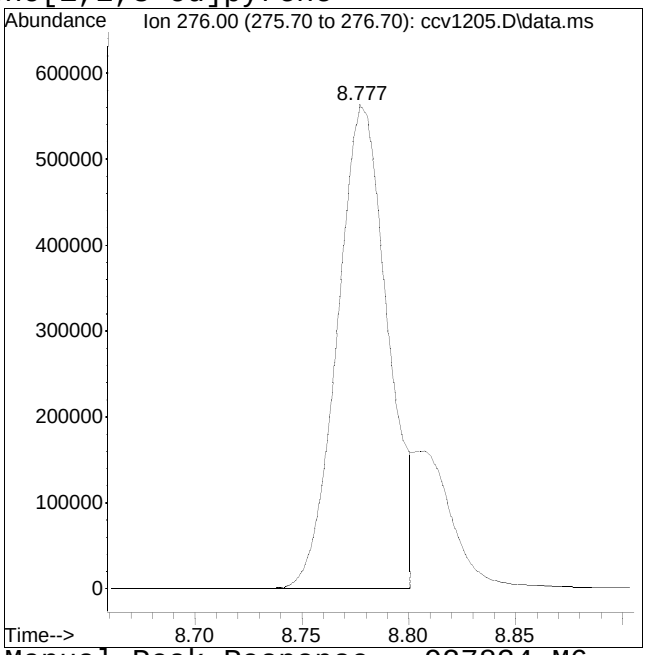
Manual Integration Report

Data Path : I:\8270SIM\SV125\241205RVTQMethod : SIM-RVT_241105n_sv125.M
Data File : ccv1205.D Operator : SV125:jjw
Date Inj'd : 12/5/2024 6:29 am Instrument : SV125
Sample : WG2005685-3,32,,ICV 10884 Quant Date : 12/5/2024 6:51 am

Compound #40: Indeno[1,2,3-cd]pyrene



Original Peak Response = 1118936



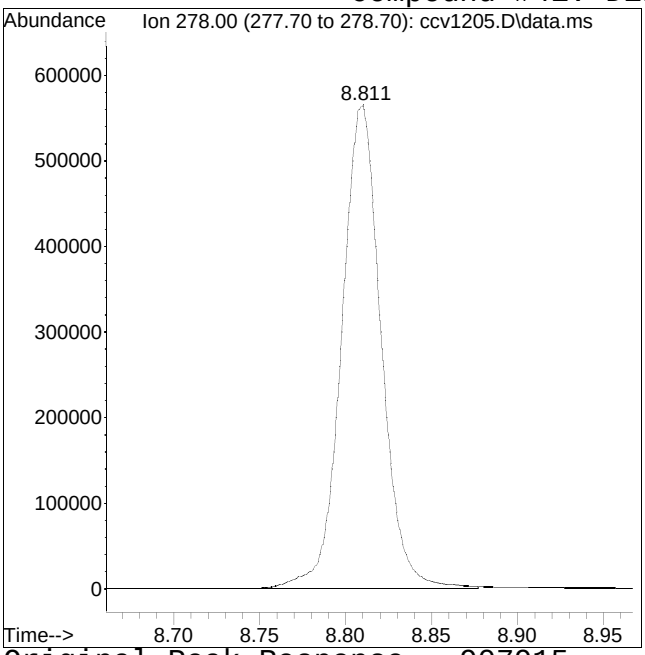
Manual Peak Response = 927834 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

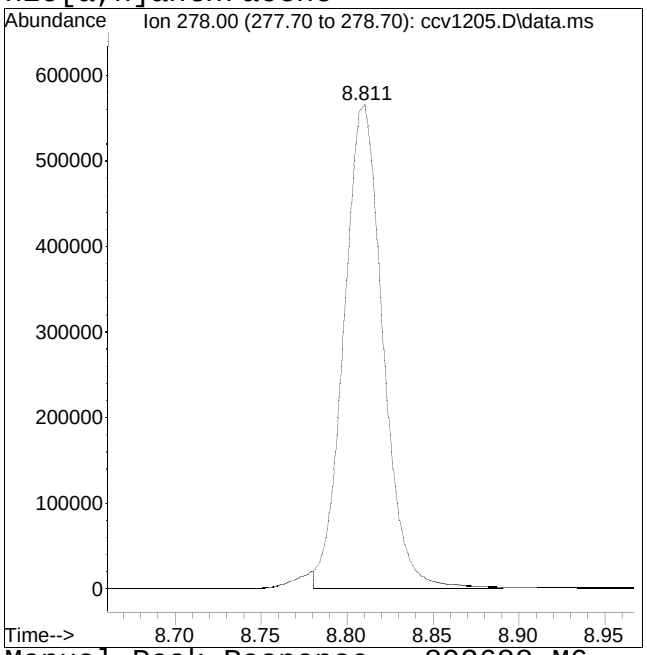
Manual Integration Report

Data Path : I:\8270SIM\SV125\241205RVTQMethod : SIM-RVT_241105n_sv125.M
Data File : ccv1205.D Operator : SV125:jjw
Date Inj'd : 12/5/2024 6:29 am Instrument : SV125
Sample : WG2005685-3,32,,ICV 10884 Quant Date : 12/5/2024 6:51 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 907915



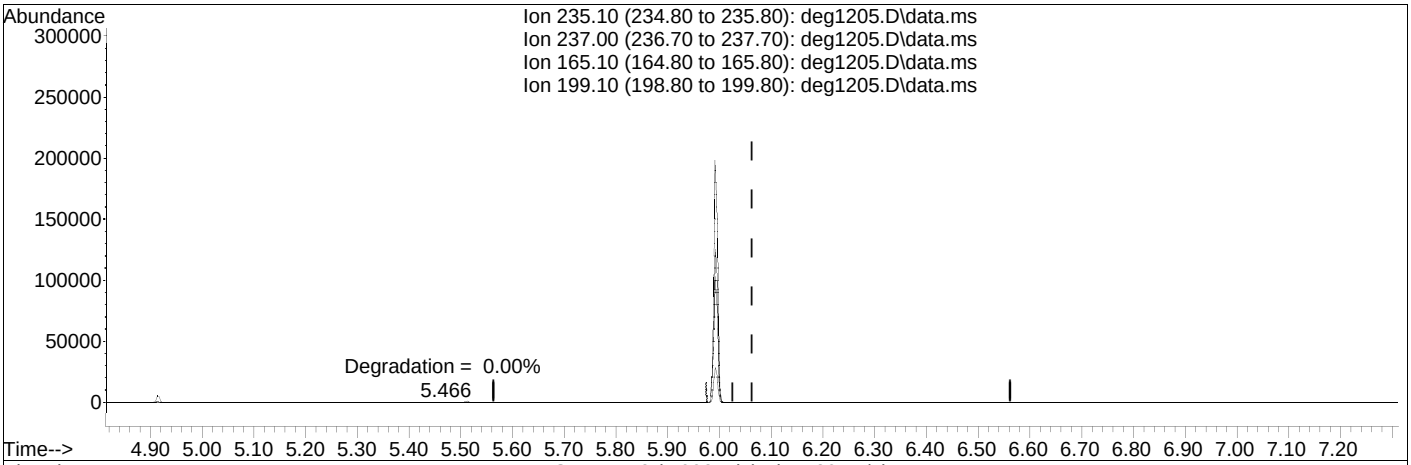
Manual Peak Response = 892688 M6

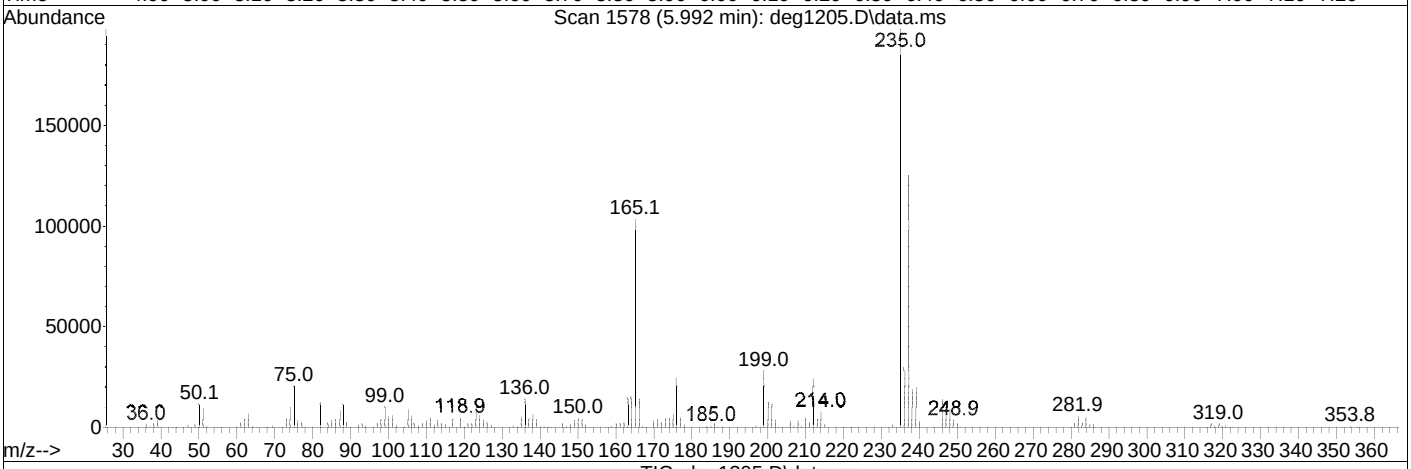
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : deg1205.D
Acq On : 05 Dec 2024 06:11 am
Operator : SV125:jjw
Sample : WG2005685-2,32,,dftpp SV125 lot #11169
Misc : WG2005685,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 05 06:26:31 2024
Quant Method : I:\8270SIM\SV125\241205RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 25 08:18:47 2024
Response via : Continuing Cal File:





TIC: deg1205.D\data.ms

(6) ddt (T)

5.992min (-0.071) 16.24

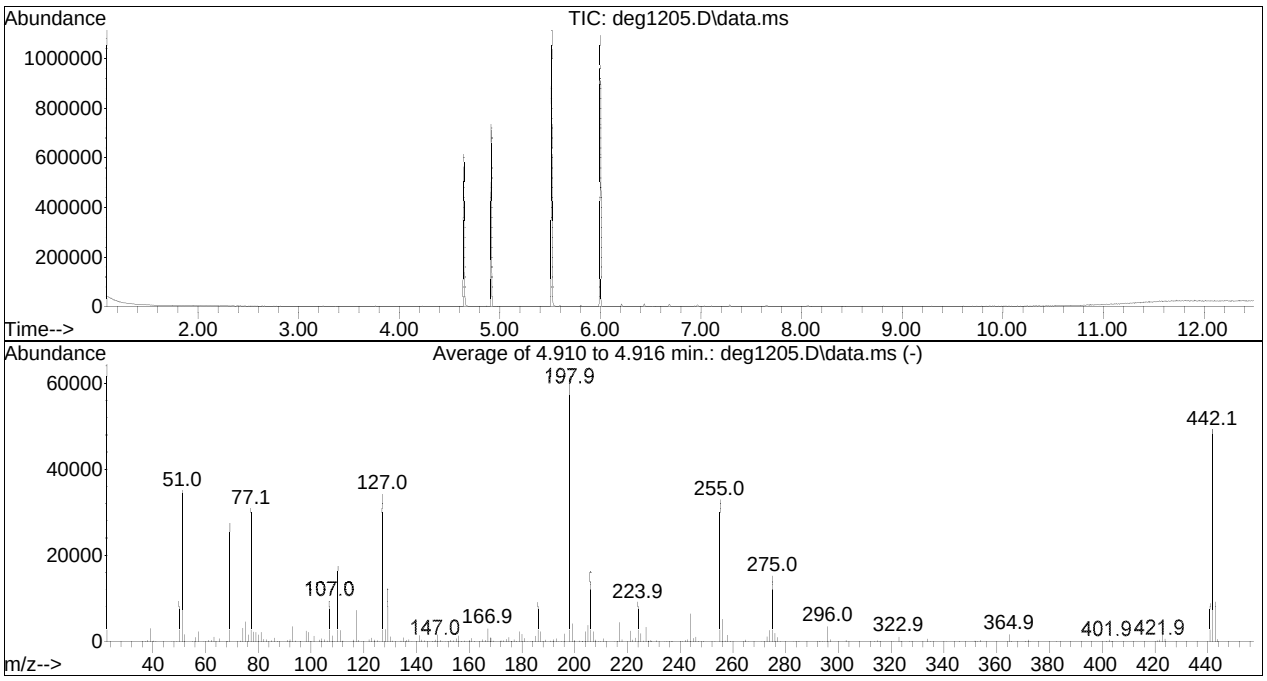
response 98968

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.24
165.10	53.30	50.86
199.10	17.10	14.50

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : deg1205.D
Acq On : 05 Dec 2024 06:11 am
Operator : SV125:jjw
Sample : WG2005685-1,32,,dftpp SV125 lot #11169
Misc : WG2005685,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Dec 05 06:51:06 2024



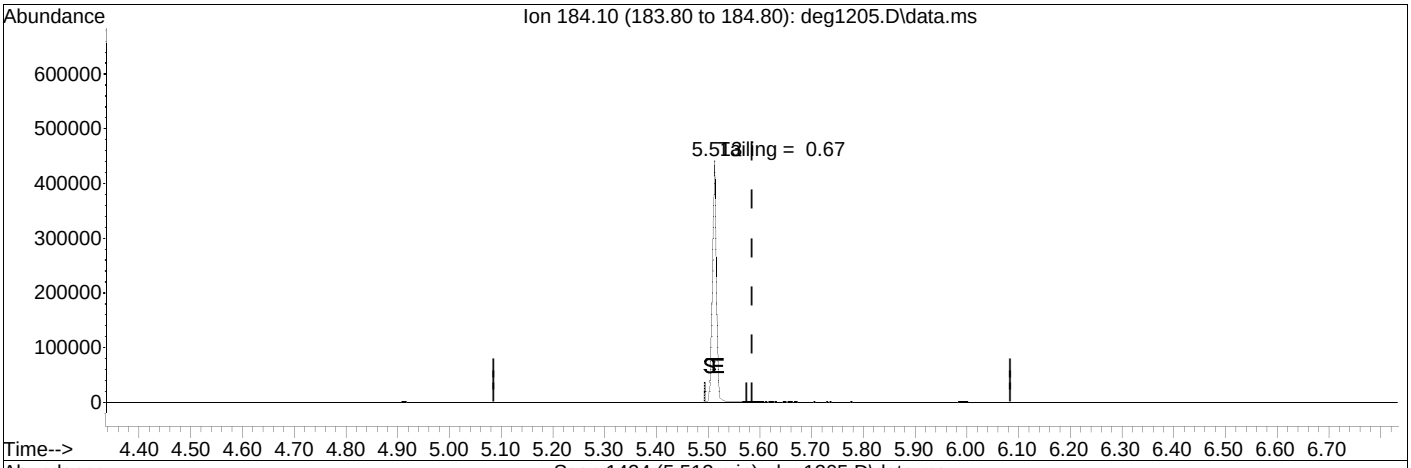
Spectrum Information: Average of 4.910 to 4.916 min.

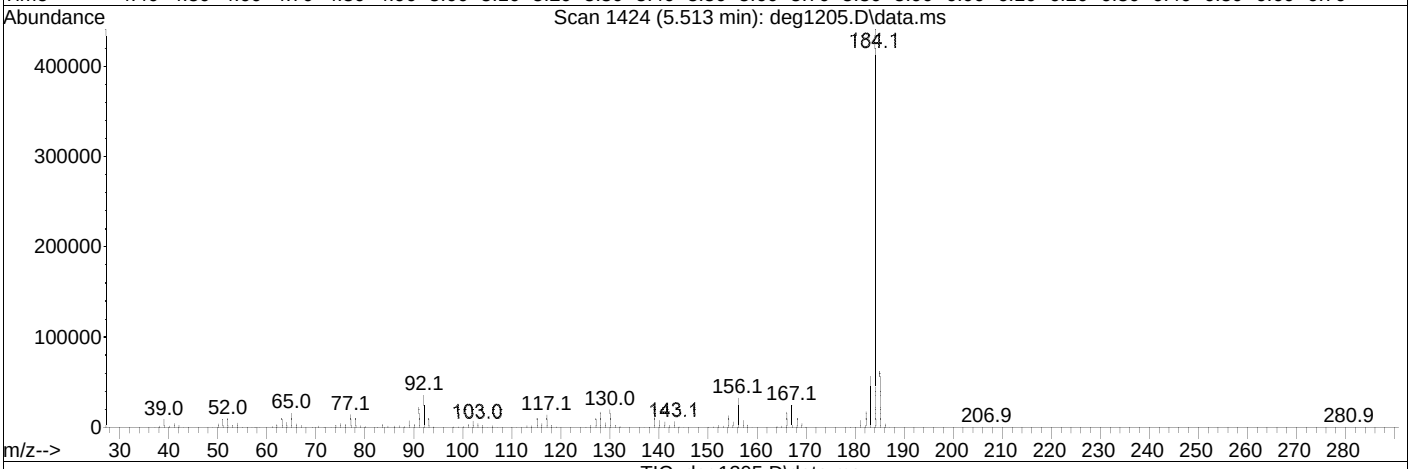
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	57.0	34960	PASS
68	69	0.00	2	0.7	186	PASS
69	69	100	100	100.0	27464	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	55.8	34208	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	61347	PASS
199	198	5	9	6.7	4135	PASS
275	198	10	60	24.7	15178	PASS
365	198	1	100	2.8	1726	PASS
441	442	0.01	24	17.7	8730	PASS
442	198	50	100	80.3	49250	PASS
443	442	15	24	18.2	8973	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : deg1205.D
Acq On : 05 Dec 2024 06:11 am
Operator : SV125:jjw
Sample : WG2005685-4,32,,dftpp SV125 lot #11169
Misc : WG2005685,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 05 06:26:31 2024
Quant Method : I:\8270SIM\SV125\241205RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 25 08:18:47 2024
Response via : Continuing Cal File:





TIC: deg1205.D\data.ms

(3) benzidine (T)

5.513min (-0.072) 21.94

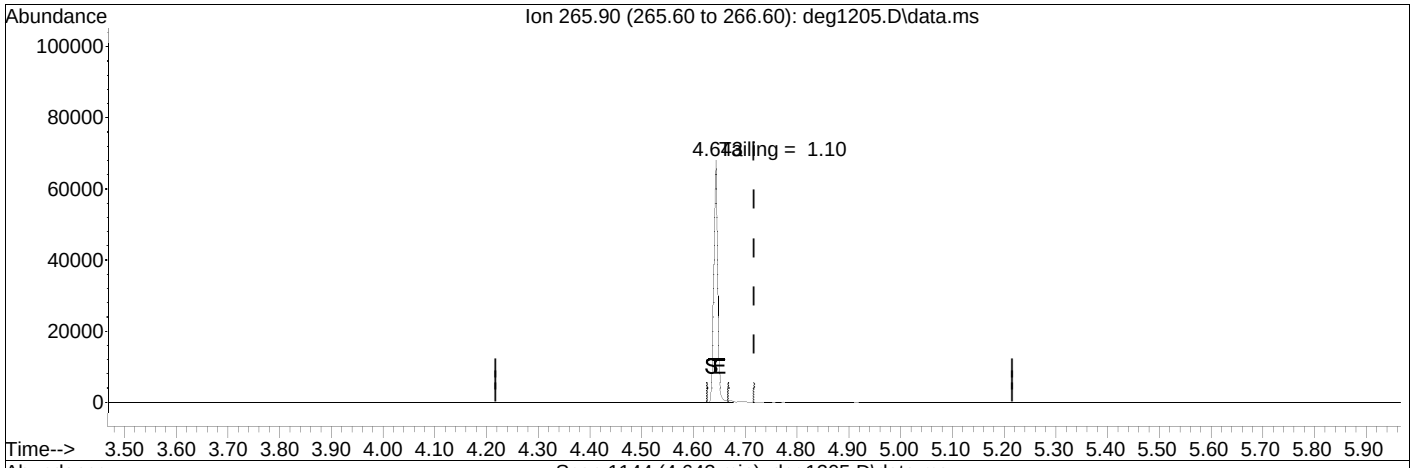
response 223386

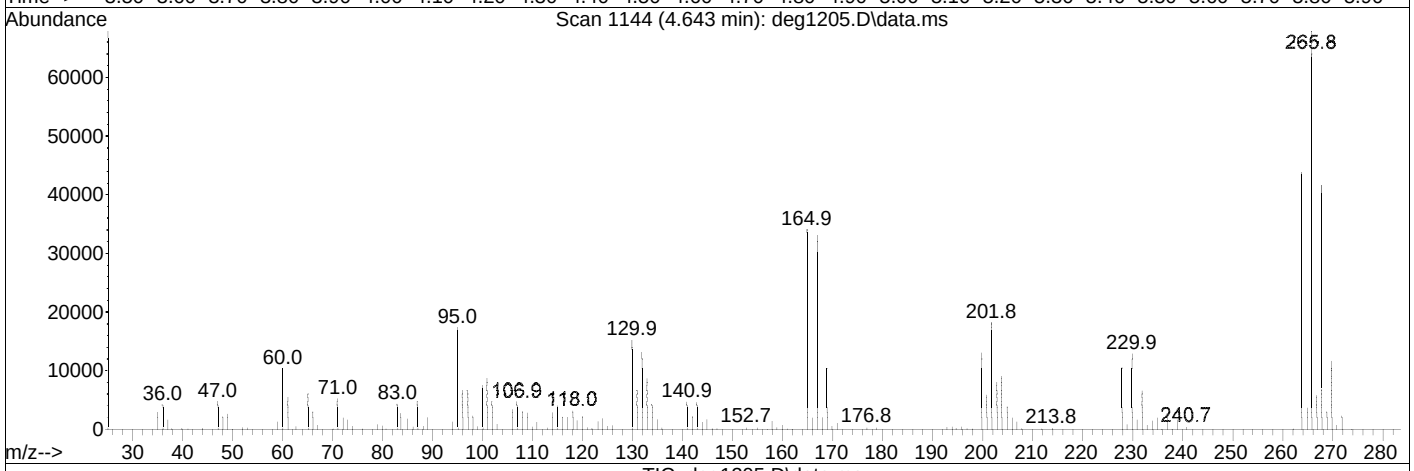
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : deg1205.D
Acq On : 05 Dec 2024 06:11 am
Operator : SV125:jjw
Sample : WG2005685-5,32,,dftpp SV125 lot #11169
Misc : WG2005685,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 05 06:26:31 2024
Quant Method : I:\8270SIM\SV125\241205RVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 25 08:18:47 2024
Response via : Continuing Cal File:





TIC: deg1205.D\data.ms

(1) pentachlorophenol (T)

4.643min (-0.074) 15.95

response 33511

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

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV120	**Calibration Date**	: 12/05/24 05:56		
Lab File ID	: CCV1205	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2005462-3	**Init. Calib. Times**	: 07:30	09:57	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	94	0
2-Fluorophenol	1.177	1.129	.05	4.1	20	92	0
Phenol-d6	1.447	1.361	.05	5.9	20	89	0
Bis(2-chloroethyl)ether	1000	873.048	.05	12.7	20	86	0
n-nitrosodi-n-propylamine	0.873	0.779	.05	10.8	20	84	0
Hexachloroethane	0.524	0.48	.05	8.4	20	87	0
Nitrobenzene-d5	1.277	1.17	.05	8.4	20	86	0
Naphthalene-d8	1	1	.05	0	20	93	0
Naphthalene	1	0.896	.05	10.4	20	88	0
Hexachlorobutadiene	0.189	0.174	.05	7.9	20	89	0
2-Methylnaphthalene	0.694	0.622	.05	10.4	20	87	0
1-Methylnaphthalene	0.639	0.568	.05	11.1	20	87	0
2-Fluorobiphenyl	0.806	0.686	.05	14.9	20	86	0
2-Chloronaphthalene	0.689	0.604	.05	12.3	20	87	0
2,6-Dinitrotoluene	0.156	0.139	.05	10.9	20	85	0
Acenaphthylene	0.994	0.899	.05	9.6	20	86	0
Acenaphthene-d10	1	1	.05	0	20	90	0
Acenaphthene	1.207	1.071	.05	11.3	20	85	0
2,4-Dinitrotoluene	0.336	0.334	.05	0.6	20	86	0
Fluorene	1.306	1.192	.05	8.7	20	85	0
2,4,6-Tribromophenol	0.159	0.169	.05	-6.3	20	92	0
Phenanthrene-d10	1	1	.05	0	20	91	0
4,6-Dinitro-o-cresol	1000	824.425	.05	17.6	20	79	0
Hexachlorobenzene	0.211	0.2	.05	5.2	20	90	0
Pentachlorophenol	1000	850.697	.05	14.9	20	78	0
Phenanthrene	0.953	0.898	.05	5.8	20	85	0
Anthracene	0.986	0.901	.05	8.6	20	84	0
Fluoranthene	1.098	1.011	.05	7.9	20	88	0
Pyrene	1.132	1.059	.05	6.4	20	89	0
4-Terphenyl-d14	0.727	0.594	.05	18.3	20	78	0
Chrysene-d12	1	1	.05	0	20	91	0
Benzo[a]anthracene	1000	920.095	.05	8	20	85	0
3,3'-Dichlorobenzidine	0.432	0.435	.05	-0.7	20	89	0
Chrysene	1.059	1.063	.05	-0.4	20	85	0
Bis(2-ethylhexyl)phthalate	0.708	0.669	.05	5.5	20	85	0
Perylene-d12	1	1	.05	0	20	91	0
Benzo[b]fluoranthene	1.214	1.064	.05	12.4	20	82	0
Benzo[k]fluoranthene	1.091	1.054	.05	3.4	20	85	0
Benzo[a]pyrene	0.994	0.954	.05	4	20	84	0
Indeno[1,2,3-cd]pyrene	1.017	0.93	.05	8.6	20	82	0
Dibenzo[a,h]anthracene	0.955	0.896	.05	6.2	20	84	0
Benzo[g,h,i]perylene	0.987	0.898	.05	9	20	82	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV125	**Calibration Date**	: 12/05/24 06:29		
Lab File ID	: CCV1205	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2005685-3	**Init. Calib. Times**	: 11:10	13:36	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	89	0
2-Fluorophenol	1.075	1.019	.05	5.2	20	87	0
Phenol-d6	1.36	1.207	.05	11.3	20	83	0
Bis(2-chloroethyl)ether	1000	867.44	.05	13.3	20	83	0
n-nitrosodi-n-propylamine	0.775	0.694	.05	10.5	20	77	0
Hexachloroethane	0.503	0.452	.05	10.1	20	83	0
Nitrobenzene-d5	1.158	1.062	.05	8.3	20	79	0
Naphthalene-d8	1	1	.05	0	20	95	0
Naphthalene	1.074	0.948	.05	11.7	20	87	0
Hexachlorobutadiene	0.22	0.179	.05	18.6	20	79	0
2-Methylnaphthalene	0.724	0.655	.05	9.5	20	87	0
1-Methylnaphthalene	0.677	0.603	.05	10.9	20	86	0
2-Fluorobiphenyl	0.89	0.77	.05	13.5	20	84	0
2-Chloronaphthalene	0.758	0.667	.05	12	20	84	0
2,6-Dinitrotoluene	0.173	0.163	.05	5.8	20	84	0
Acenaphthylene	1.076	1.014	.05	5.8	20	86	0
Acenaphthene-d10	1	1	.05	0	20	93	0
Acenaphthene	1.289	1.135	.05	11.9	20	86	0
2,4-Dinitrotoluene	0.376	0.373	.05	0.8	20	87	0
Fluorene	1.423	1.268	.05	10.9	20	85	0
2,4,6-Tribromophenol	0.217	0.216	.05	0.5	20	81	0
Phenanthrene-d10	1	1	.05	0	20	99	0
4,6-Dinitro-o-cresol	1000	815.726	.05	18.4	20	81	0
Hexachlorobenzene	0.256	0.204	.05	20.3*	20	81	0
Pentachlorophenol	1000	846.399	.05	15.4	20	75	0
Phenanthrene	1.105	0.934	.05	15.5	20	88	0
Anthracene	1.064	0.948	.05	10.9	20	87	0
Fluoranthene	1.27	1.102	.05	13.2	20	87	0
Pyrene	1.342	1.175	.05	12.4	20	88	0
4-Terphenyl-d14	0.922	0.728	.05	21*	20	82	0
Chrysene-d12	1	1	.05	0	20	98	0
Benzo[a]anthracene	1000	943.424	.05	5.7	20	88	0
3,3'-Dichlorobenzidine	0.448	0.446	.05	0.4	20	90	0
Chrysene	1.132	1.096	.05	3.2	20	88	0
Bis(2-ethylhexyl)phthalate	0.648	0.669	.05	-3.2	20	95	0
Perylene-d12	1	1	.05	0	20	102	0
Benzo[b]fluoranthene	1.113	1.012	.05	9.1	20	91	0
Benzo[k]fluoranthene	1.017	0.928	.05	8.8	20	89	0
Benzo[a]pyrene	0.923	0.883	.05	4.3	20	91	0
Indeno[1,2,3-cd]pyrene	0.991	0.951	.05	4	20	93	0
Dibenzo[a,h]anthracene	0.913	0.915	.05	-0.2	20	96	0
Benzo[g,h,i]perylene	0.963	0.898	.05	6.7	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV125	**Calibration Date**	: 12/09/24 08:32		
Lab File ID	: CCV1209B	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2006821-3	**Init. Calib. Times**	: 11:10	13:36	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	87	0
2-Fluorophenol	1.075	1.073	.05	0.2	20	90	0
Phenol-d6	1.36	1.291	.05	5.1	20	87	0
Bis(2-chloroethyl)ether	1000	917.983	.05	8.2	20	86	0
n-nitrosodi-n-propylamine	0.775	0.706	.05	8.9	20	77	0
Hexachloroethane	0.503	0.495	.05	1.6	20	89	0
Nitrobenzene-d5	1.158	1.093	.05	5.6	20	80	0
Naphthalene-d8	1	1	.05	0	20	88	0
Naphthalene	1.074	1.029	.05	4.2	20	87	0
Hexachlorobutadiene	0.22	0.2	.05	9.1	20	82	0
2-Methylnaphthalene	0.724	0.691	.05	4.6	20	85	0
1-Methylnaphthalene	0.677	0.64	.05	5.5	20	85	0
2-Fluorobiphenyl	0.89	0.807	.05	9.3	20	82	0
2-Chloronaphthalene	0.758	0.695	.05	8.3	20	81	0
2,6-Dinitrotoluene	0.173	0.167	.05	3.5	20	80	0
Acenaphthylene	1.076	1.043	.05	3.1	20	82	0
Acenaphthene-d10	1	1	.05	0	20	81	0
Acenaphthene	1.289	1.245	.05	3.4	20	82	0
2,4-Dinitrotoluene	0.376	0.406	.05	-8	20	82	0
Fluorene	1.423	1.365	.05	4.1	20	81	0
2,4,6-Tribromophenol	0.217	0.237	.05	-9.2	20	78	0
Phenanthrene-d10	1	1	.05	0	20	84	0
4,6-Dinitro-o-cresol	1000	939.562	.05	6	20	79	0
Hexachlorobenzene	0.256	0.229	.05	10.5	20	77	0
Pentachlorophenol	1000	988.569	.05	1.1	20	76	0
Phenanthrene	1.105	1.038	.05	6.1	20	82	0
Anthracene	1.064	1.045	.05	1.8	20	81	0
Fluoranthene	1.27	1.247	.05	1.8	20	83	0
Pyrene	1.342	1.336	.05	0.4	20	85	0
4-Terphenyl-d14	0.922	0.824	.05	10.6	20	78	0
Chrysene-d12	1	1	.05	0	20	83	0
Benzo[a]anthracene	1000	1058.866	.05	-5.9	20	83	0
3,3'-Dichlorobenzidine	0.448	0.505	.05	-12.7	20	86	0
Chrysene	1.132	1.251	.05	-10.5	20	85	0
Bis(2-ethylhexyl)phthalate	0.648	0.791	.05	-22.1*	20	95	0
Perylene-d12	1	1	.05	0	20	81	0
Benzo[b]fluoranthene	1.113	1.18	.05	-6	20	84	0
Benzo[k]fluoranthene	1.017	1.105	.05	-8.7	20	84	0
Benzo[a]pyrene	0.923	1.028	.05	-11.4	20	85	0
Indeno[1,2,3-cd]pyrene	0.991	1.077	.05	-8.7	20	84	0
Dibenzo[a,h]anthracene	0.913	1.024	.05	-12.2	20	85	0
Benzo[g,h,i]perylene	0.963	1.013	.05	-5.2	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV118	**Calibration Date**	: 12/10/24 06:12		
Lab File ID	: CCV1210	**Init. Calib. Date(s)**	: 10/25/24	10/25/24	
Sample No	: WG2007182-3	**Init. Calib. Times**	: 16:43	19:21	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	100	0
2-Fluorophenol	1.131	1.072	.01	5.2	20	97	0
Phenol-d6	1.39	1.282	.01	7.8	20	93	0
Bis(2-chloroethyl)ether	1000	860.338	.01	14	20	84	0
n-nitrosodi-n-propylamine	0.879	0.655	.01	25.5*	20	75	0
Hexachloroethane	0.502	0.493	.01	1.8	20	98	0
Nitrobenzene-d5	0.897	1.019	.01	-13.6	20	108	0
Naphthalene-d8	1	1	.01	0	20	97	0
Naphthalene	1.053	0.995	.01	5.5	20	94	0
Hexachlorobutadiene	0.187	0.187	.01	0	20	98	0
2-Methylnaphthalene	0.674	0.676	.01	-0.3	20	98	0
1-Methylnaphthalene	0.627	0.625	.01	0.3	20	98	0
2-Fluorobiphenyl	0.769	0.757	.01	1.6	20	98	0
2-Chloronaphthalene	0.677	0.655	.01	3.2	20	94	0
2,6-Dinitrotoluene	0.092	0.144	.01	-56.5*	20	144	0
Acenaphthylene	1.002	0.996	.01	0.6	20	94	0
Acenaphthene-d10	1	1	.01	0	20	100	0
Acenaphthene	1.308	1.218	.01	6.9	20	96	0
2,4-Dinitrotoluene	1000	1423.121	.01	-42.3*	20	154	0
Fluorene	1.393	1.355	.01	2.7	20	98	0
2,4,6-Tribromophenol	0.184	0.232	.01	-26.1*	20	119	0
Phenanthrene-d10	1	1	.01	0	20	101	0
4,6-Dinitro-o-cresol	1000	1804.104	.01	-80.4*	20	199	0
Hexachlorobenzene	0.263	0.235	.01	10.6	20	92	0
Pentachlorophenol	0.098	0.108	.01	-10.2	20	99	0
Phenanthrene	1.086	1.022	.01	5.9	20	99	0
Anthracene	1.066	1.034	.01	3	20	98	0
Fluoranthene	1.216	1.154	.01	5.1	20	97	0
Pyrene	1.291	1.239	.01	4	20	98	0
4-Terphenyl-d14	0.818	0.823	.01	-0.6	20	105	0
Chrysene-d12	1	1	.01	0	20	100	0
Benzo[a]anthracene	0.392	0.332	.01	15.3	20	93	0
3,3'-Dichlorobenzidine	0.418	0.435	.01	-4.1	20	92	0
Chrysene	1.207	1.166	.01	3.4	20	98	0
Bis(2-ethylhexyl)phthalate	0.696	0.671	.01	3.6	20	91	0
Perylene-d12	1	1	.01	0	20	92	0
Benzo[b]fluoranthene	1.031	1.093	.01	-6	20	95	0
Benzo[k]fluoranthene	1.093	1.122	.01	-2.7	20	90	0
Benzo[a]pyrene	0.911	0.958	.01	-5.2	20	90	0
Indeno[1,2,3-cd]pyrene	0.849	0.867	.01	-2.1	20	83	0
Dibenzo[a,h]anthracene	0.865	0.915	.01	-5.8	20	89	0
Benzo[g,h,i]perylene	0.89	0.885	.01	0.6	20	87	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : ccv1209b.D
Acq On : 09 Dec 2024 08:32 am
Operator : SV125:jjw
Sample : WG2006821-3,32,,ICV 10884 (1123)
Misc : WG2006821,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 09 08:47:21 2024
Quant Method : I:\8270SIM\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:54 2024
Response via : Initial Calibration

Min. RRF : 0.050 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	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
2	s	2-Fluorophenol	1.075	1.073	0.2	90	0.00
3	s	Phenol-d6	1.360	1.291	5.1	87	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	917.983	8.2	86	0.00
5	T	n-nitrosodi-n-propylamine	0.775	0.706	8.9	77	0.00
6	t	Hexachloroethane	0.503	0.495	1.6	89	0.00
7	s	Nitrobenzene-d5	1.158	1.093	5.6	80	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	88	0.00
9	t	Naphthalene	1.074	1.029	4.2	87	0.00
10	t	Hexachlorobutadiene	0.220	0.200	9.1	82	0.00
11	t	2-Methylnaphthalene	0.724	0.691	4.6	85	0.00
12	t	1-Methylnaphthalene	0.677	0.640	5.5	85	0.00
13	s	2-Fluorobiphenyl	0.890	0.807	9.3	82	0.00
14	t	2-Chloronaphthalene	0.758	0.695	8.3	81	0.00
15	t	2,6-Dinitrotoluene	0.173	0.167	3.5	80	0.00
16	t	Acenaphthylene	1.076	1.043	3.1	82	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	81	0.00
18	t	Acenaphthene	1.289	1.245	3.4	82	0.00
19	t	2,4-Dinitrotoluene	0.376	0.406	-8.0	82	0.00
20	t	Fluorene	1.423	1.365	4.1	81	0.00
21	s	2,4,6-Tribromophenol	0.217	0.237	-9.2	78	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	939.562	6.0	79	0.00
24	t	Hexachlorobenzene	0.256	0.229	10.5	77	0.00
25	t	Pentachlorophenol	*1000.000	988.569	1.1	76	0.00
26	t	Phenanthrene	1.105	1.038	6.1	82	0.00
27	t	Anthracene	1.064	1.045	1.8	81	0.00
28	t	Fluoranthene	1.270	1.247	1.8	83	0.00
29	t	Pyrene	1.342	1.336	0.4	85	0.00
30	s	4-Terphenyl-d14	0.922	0.824	10.6	78	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	83	0.00
32	t	Benzo[a]anthracene	*1000.000	1058.866	-5.9	83	0.00
33	t	3,3'-Dichlorobenzidine	0.448	0.505	-12.7	86	0.00
34	t	Chrysene	1.132	1.251	-10.5	85	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.648	0.791	-22.1#	95	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : ccv1209b.D
Acq On : 09 Dec 2024 08:32 am
Operator : SV125:jjw
Sample : WG2006821-3,32,,ICV 10884 (1123)
Misc : WG2006821,,ical21676
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 09 08:47:21 2024
Quant Method : I:\8270SIM\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:54 2024
Response via : Initial Calibration

Min. RRF : 0.050 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)
36	i	Perylene-d12	1.000	1.000	0.0	81	0.00
37	t	Benzo[b]fluoranthene	1.113	1.180	-6.0	84	0.00
38	t	Benzo[k]fluoranthene	1.017	1.105	-8.7	84	0.00
39	t	Benzo[a]pyrene	0.923	1.028	-11.4	85	0.00
40	t	Indeno[1,2,3-cd]pyrene	0.991	1.077	-8.7	84	0.00
41	t	Dibenzo[a,h]anthracene	0.913	1.024	-12.2	85	0.00
42	t	Benzo[g,h,i]perylene	0.963	1.013	-5.2	83	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

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QLast Update : Mon Dec 09 08:48:54 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.243	152	620723	4000.000	ng/ml	0.00
8) Naphthalene-d8	2.913	136	2184118	4000.000	ng/ml	0.00
17) Acenaphthene-d10	3.903	164	1298651	4000.000	ng/ml	0.00
22) Phenanthrene-d10	4.757	188	2706375	4000.000	ng/ml	0.00
31) Chrysene-d12	6.411	240	2815094	4000.000	ng/ml	0.00
36) Perylene-d12	7.649	264	3104537	4000.000	ng/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	1.652	112	166495	998.254	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.91%			
3) Phenol-d6	2.057	99	200371	949.195	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.46%			
7) Nitrobenzene-d5	2.528	82	169575	943.537	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.35%			
13) 2-Fluorobiphenyl	3.516	172	440682	906.997	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 90.70%			
21) 2,4,6-Tribromophenol	4.354	330	76788	1090.193	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.51%			
30) 4-Terphenyl-d14	5.723	244	557617	893.612	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 89.36%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.106	93	160575	917.983	ng/ml	98
5) n-nitrosodi-n-propylamine	2.445	70	109598	911.729	ng/ml	93
6) Hexachloroethane	2.503	117	76820	984.491	ng/ml	96
9) Naphthalene	2.923	128	561762	957.809	ng/ml	100
10) Hexachlorobutadiene	2.994	225	109197	910.633	ng/ml	100
11) 2-Methylnaphthalene	3.306	142	377512	954.676	ng/ml	99
12) 1-Methylnaphthalene	3.360	142	349329	945.621	ng/ml	100
14) 2-Chloronaphthalene	3.582	162	379749	916.990	ng/ml	99
15) 2,6-Dinitrotoluene	3.779	165	91284	965.216	ng/ml	94
16) Acenaphthylene	3.819	152	569760	969.326	ng/ml	99
18) Acenaphthene	3.919	153	404324	965.903	ng/ml	93
19) 2,4-Dinitrotoluene	4.013	165	131671	1077.997	ng/ml	93
20) Fluorene	4.214	166	443313	959.255	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.245	198	78650	939.562	ng/ml	98
24) Hexachlorobenzene	4.539	284	155272	894.759	ng/ml	98
25) Pentachlorophenol	4.652	266	82549	988.569	ng/ml	100
26) Phenanthrene	4.770	178	702294	938.953	ng/ml	99
27) Anthracene	4.799	178	706801	981.387	ng/ml	100

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Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:54 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.481	202	843608	982.030	ng/ml	98
29) Pyrene	5.622	202	904055	995.851	ng/ml	99
32) Benzo[a]anthracene	6.400	228	903763	1058.866	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.386	252	355058	1125.185	ng/ml	100
34) Chrysene	6.427	228	880716	1105.263	ng/ml	99
35) Bis(2-ethylhexyl)phtha...	6.430	149	556549	1220.739	ng/ml	99
37) Benzo[b]fluoranthene	7.266	252	915769	1060.063	ng/ml	99
38) Benzo[k]fluoranthene	7.293	252	857695	1086.387	ng/ml	100
39) Benzo[a]pyrene	7.582	252	797903	1113.637	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.879	276	836137	1086.622	ng/ml	92
41) Dibenzo[a,h]anthracene	8.912	278	794693M6	1121.230	ng/ml	
42) Benzo[g,h,i]perylene	9.221	276	786381	1051.813	ng/ml#	91

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

Quantitation Report (QT Reviewed)

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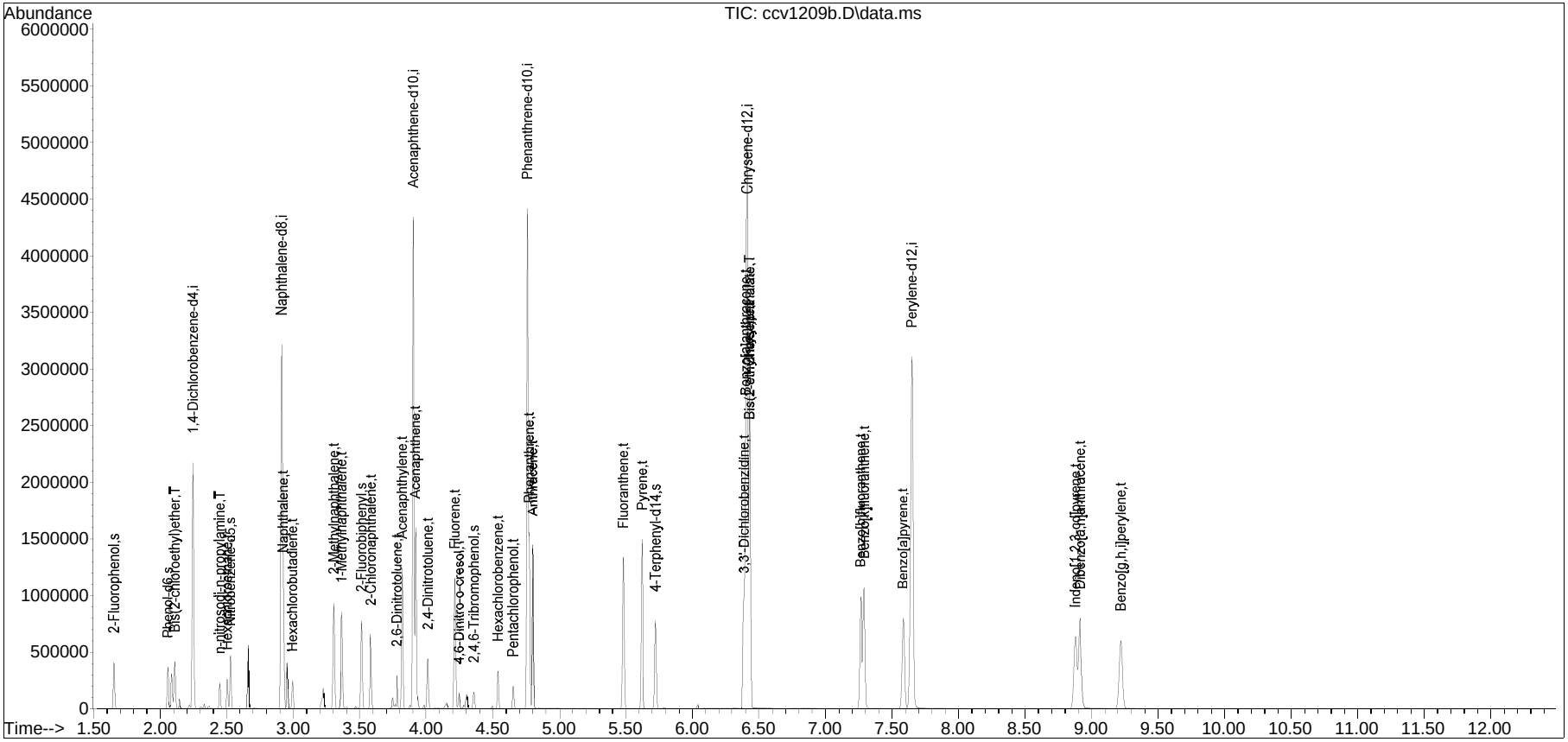
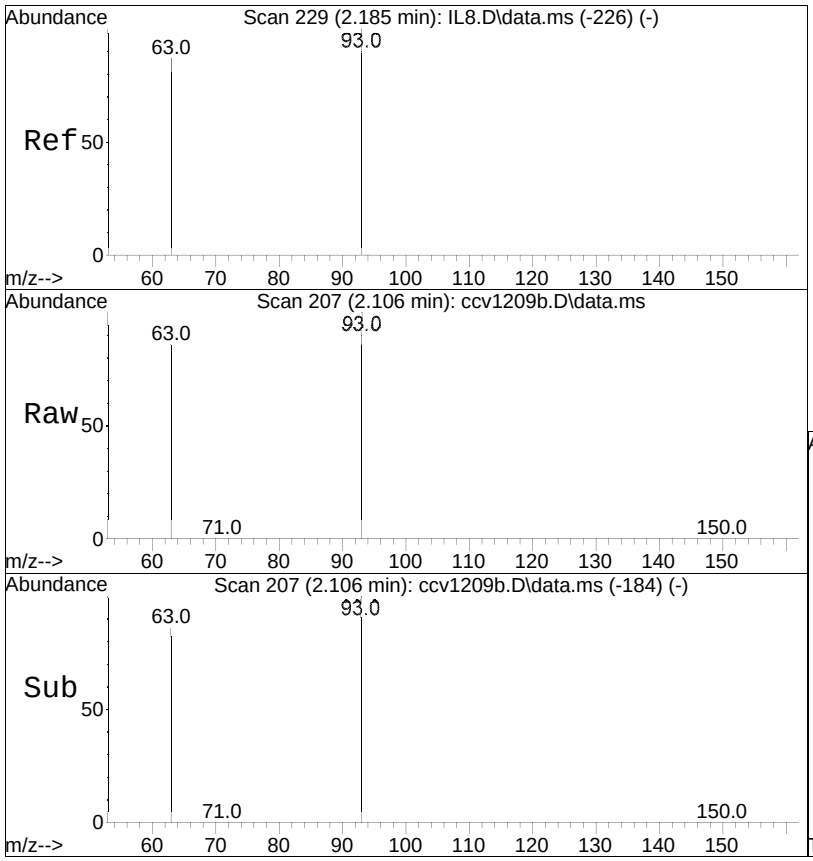
Sub List : Default - All compounds listed

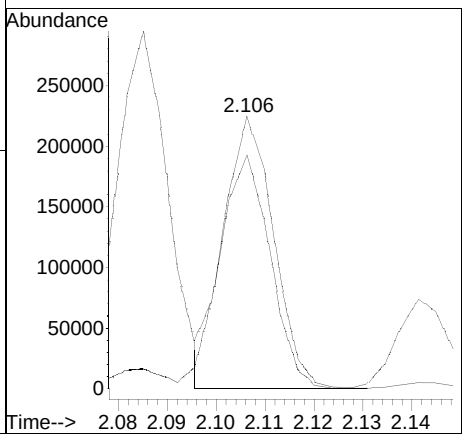


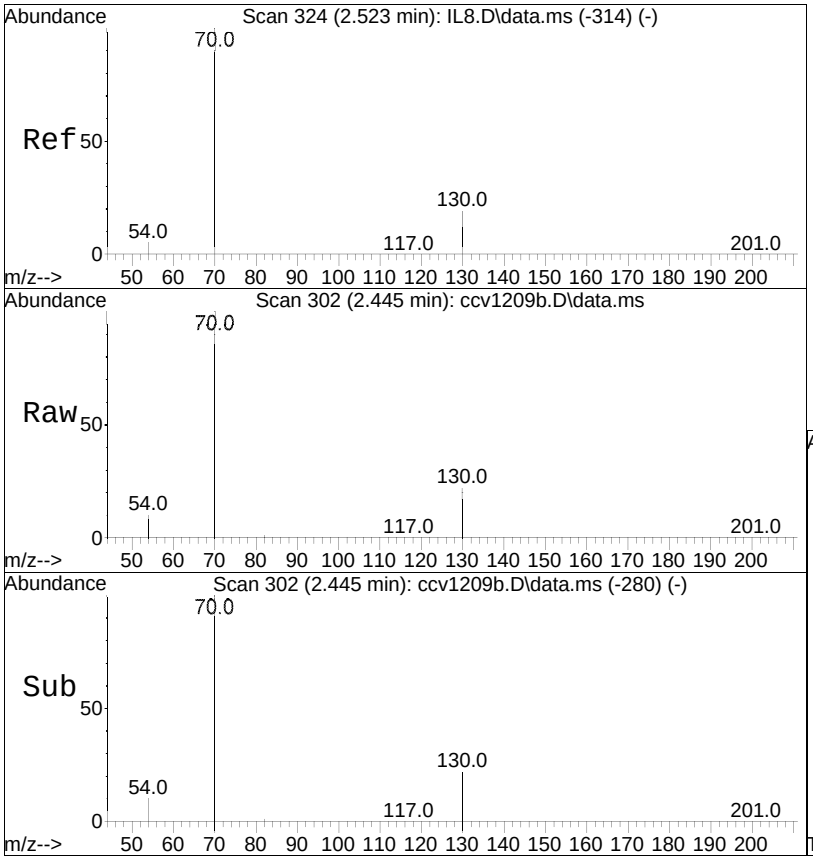


#4
Bis(2-chloroethyl)ether
Concen: 917.98 ng/ml
RT: 2.106 min Scan# 207
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion: 93 Resp: 160575

Ion	Ratio	Lower	Upper
93	100		
63	86.7	71.2	106.8

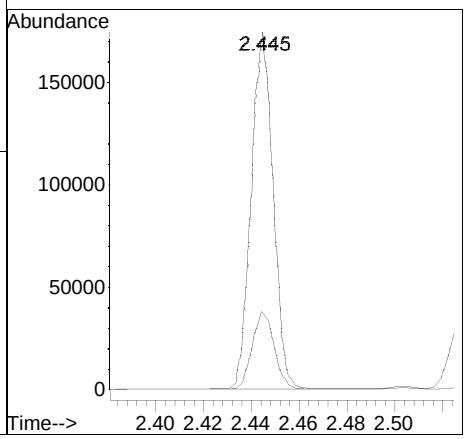


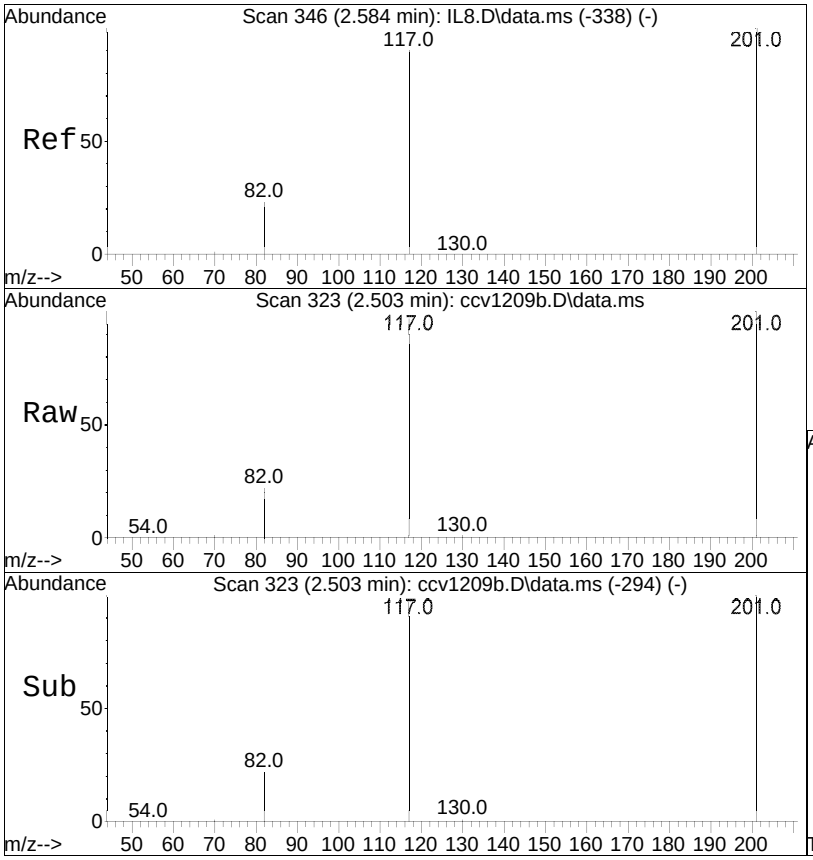


#5
n-nitrosodi-n-propylamine
Concen: 911.73 ng/ml
RT: 2.445 min Scan# 302
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion: 70 Resp: 109598

Ion	Ratio	Lower	Upper
70	100		
130	22.1	15.0	22.6

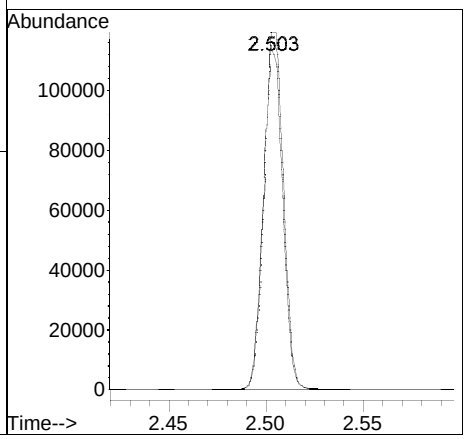


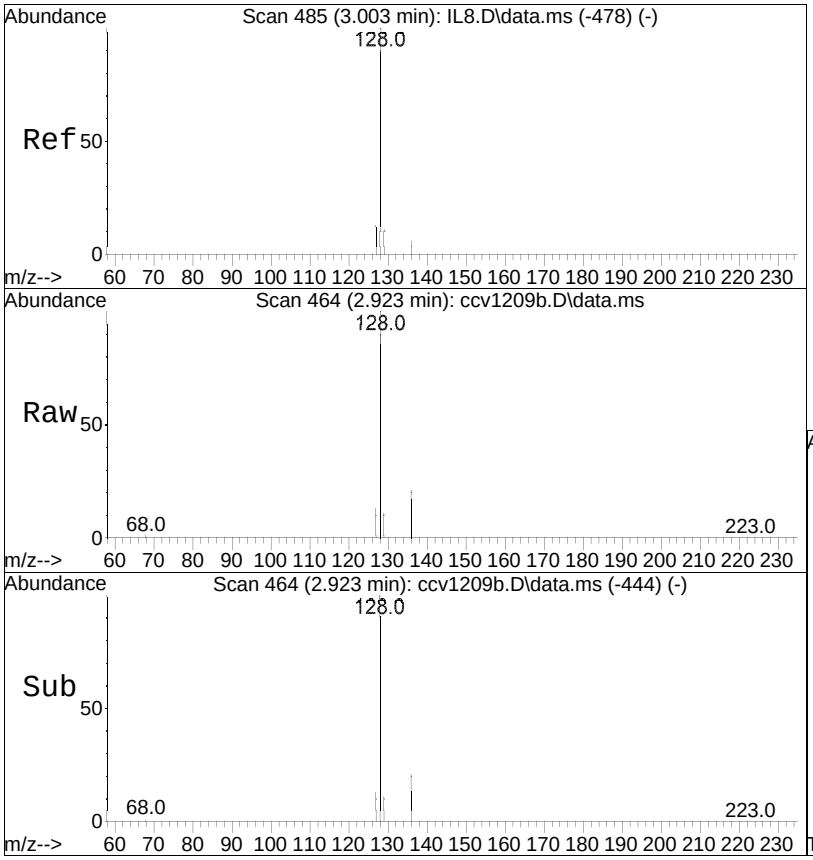


#6
Hexachloroethane
Concen: 984.49 ng/ml
RT: 2.503 min Scan# 323
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:117 Resp: 76820

Ion	Ratio	Lower	Upper
117	100		
201	105.7	88.0	132.0

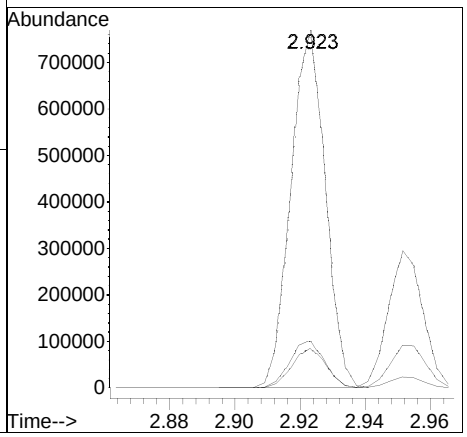


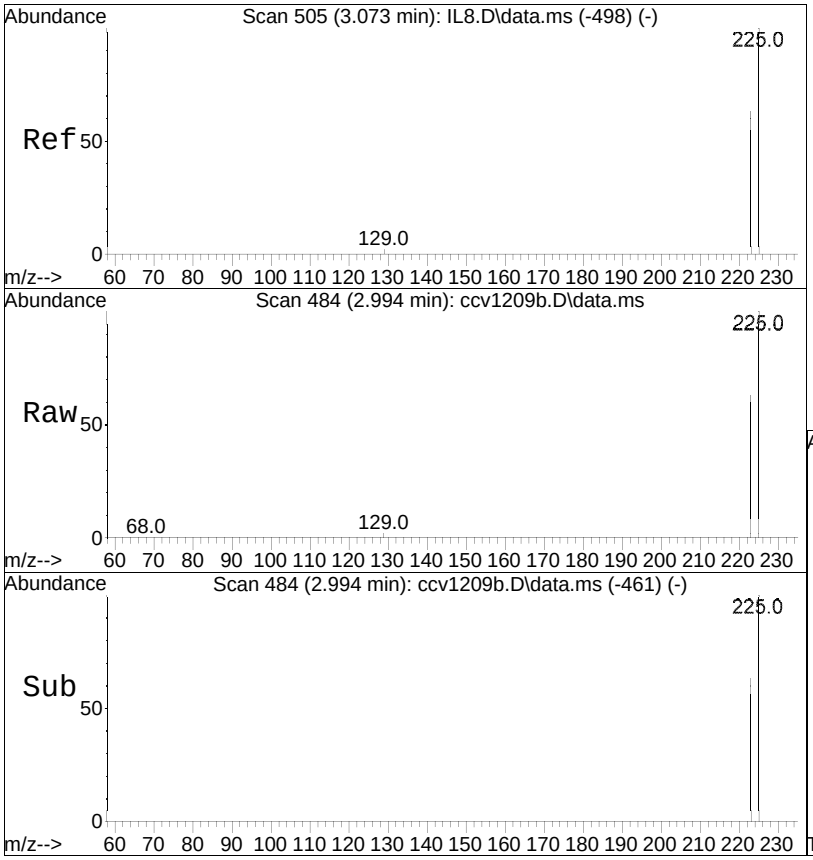


#9
Naphthalene
Concen: 957.81 ng/ml
RT: 2.923 min Scan# 464
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:128 Resp: 561762

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.9	16.3

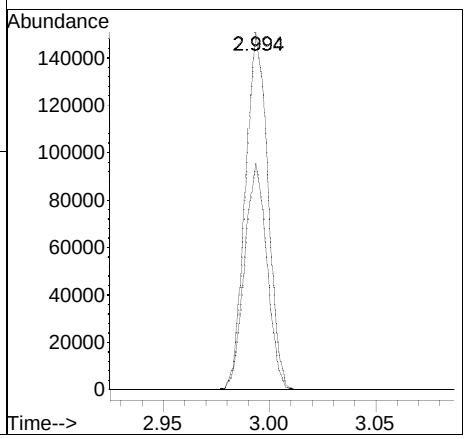


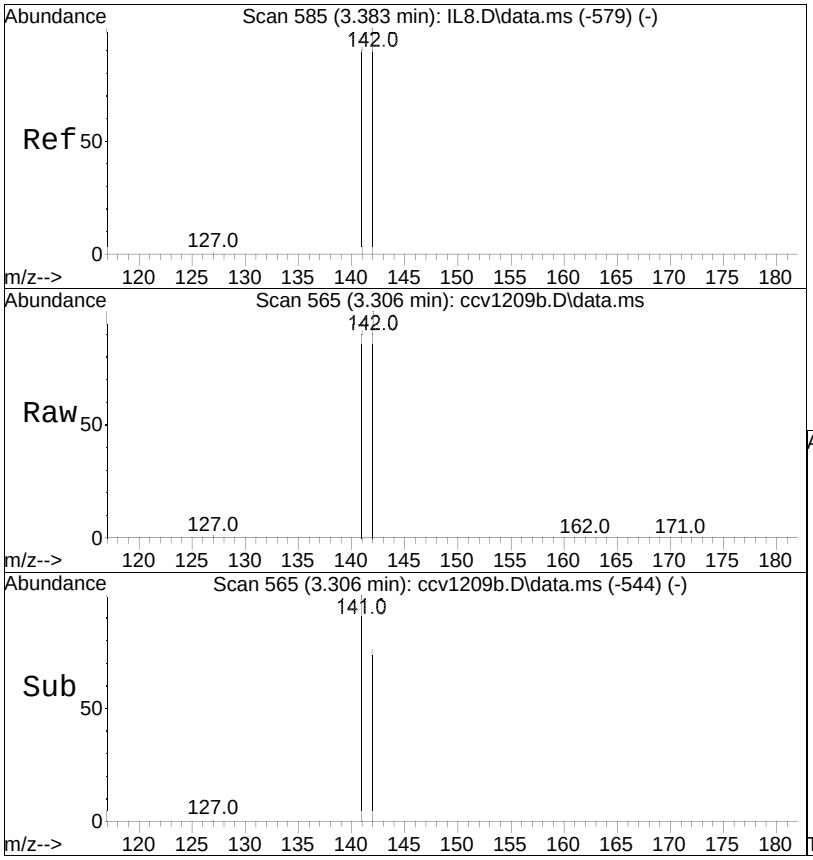


#10
Hexachlorobutadiene
Concen: 910.63 ng/ml
RT: 2.994 min Scan# 484
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:225 Resp: 109197

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5

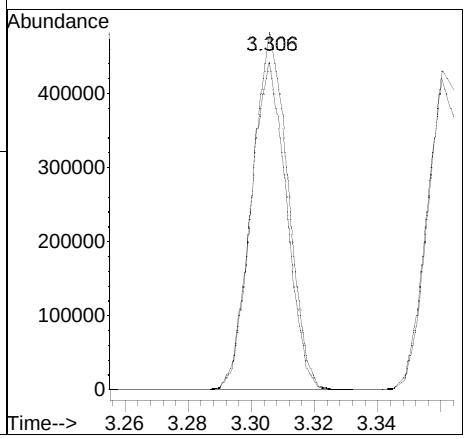


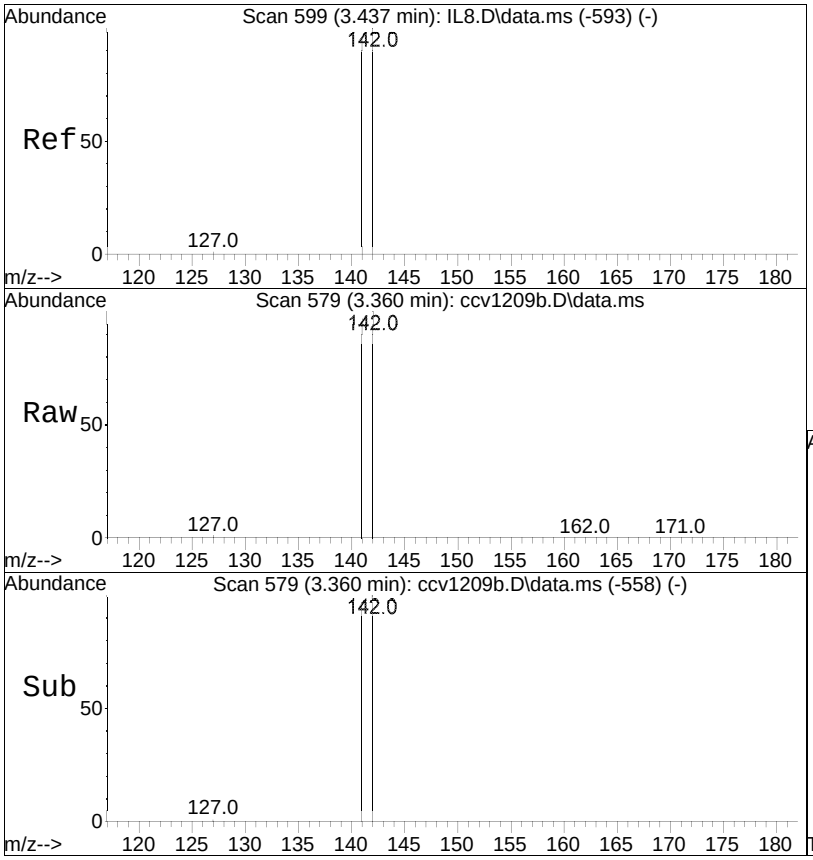


#11
2-Methylnaphthalene
Concen: 954.68 ng/ml
RT: 3.306 min Scan# 565
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:142 Resp: 377512

Ion	Ratio	Lower	Upper
142	100		
141	91.9	74.0	111.0

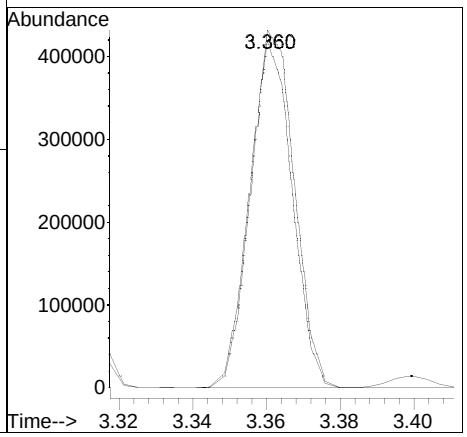


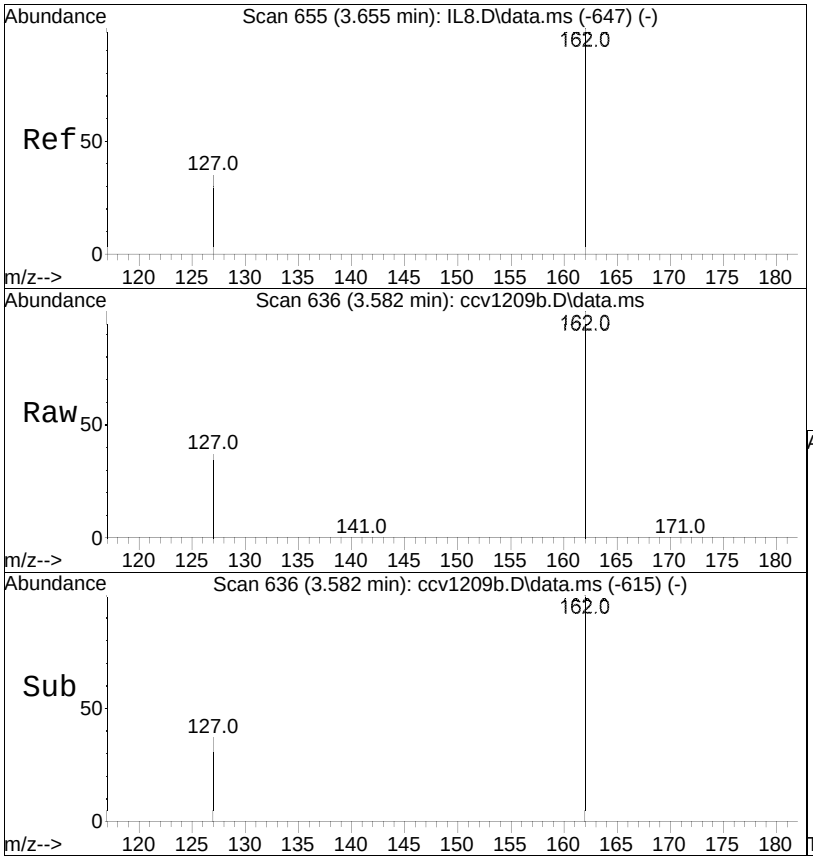


#12
1-Methylnaphthalene
Concen: 945.62 ng/ml
RT: 3.360 min Scan# 579
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:142 Resp: 349329

Ion	Ratio	Lower	Upper
142	100		
141	95.2	76.5	114.7

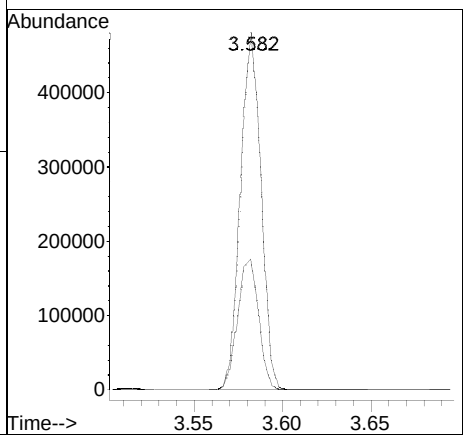


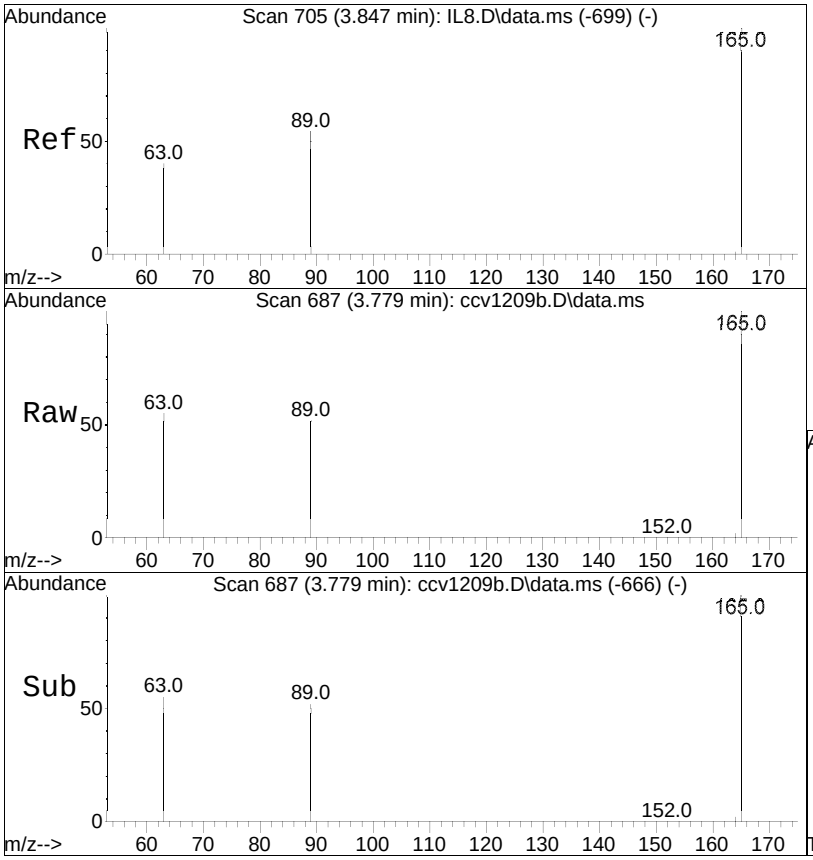


#14
2-Chloronaphthalene
Concen: 916.99 ng/ml
RT: 3.582 min Scan# 636
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:162 Resp: 379749

Ion	Ratio	Lower	Upper
162	100		
127	37.9	30.1	45.1

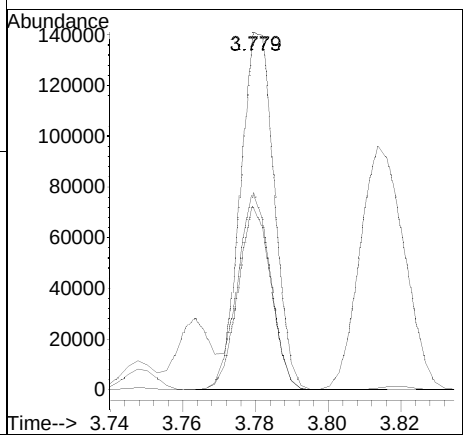


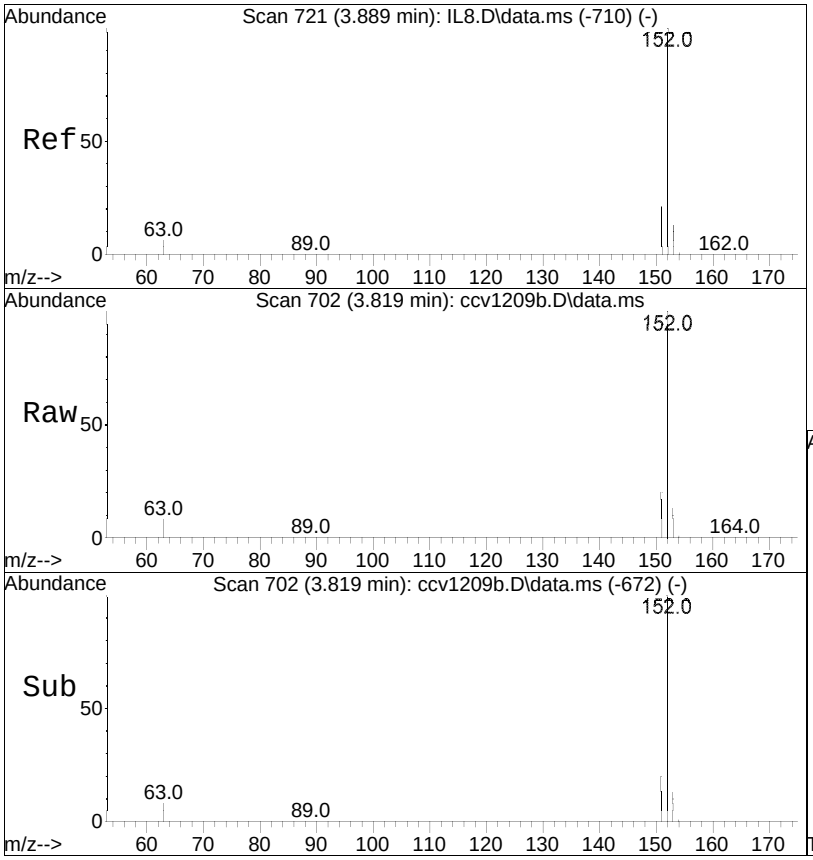


#15
2,6-Dinitrotoluene
Concen: 965.22 ng/ml
RT: 3.779 min Scan# 687
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:165 Resp: 91284

Ion	Ratio	Lower	Upper
165	100		
89	50.0	43.6	65.4
63	53.7	45.9	68.9

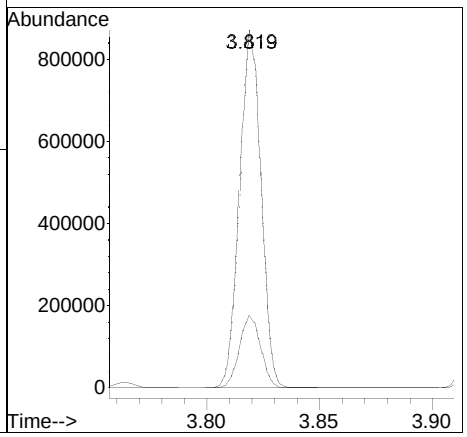


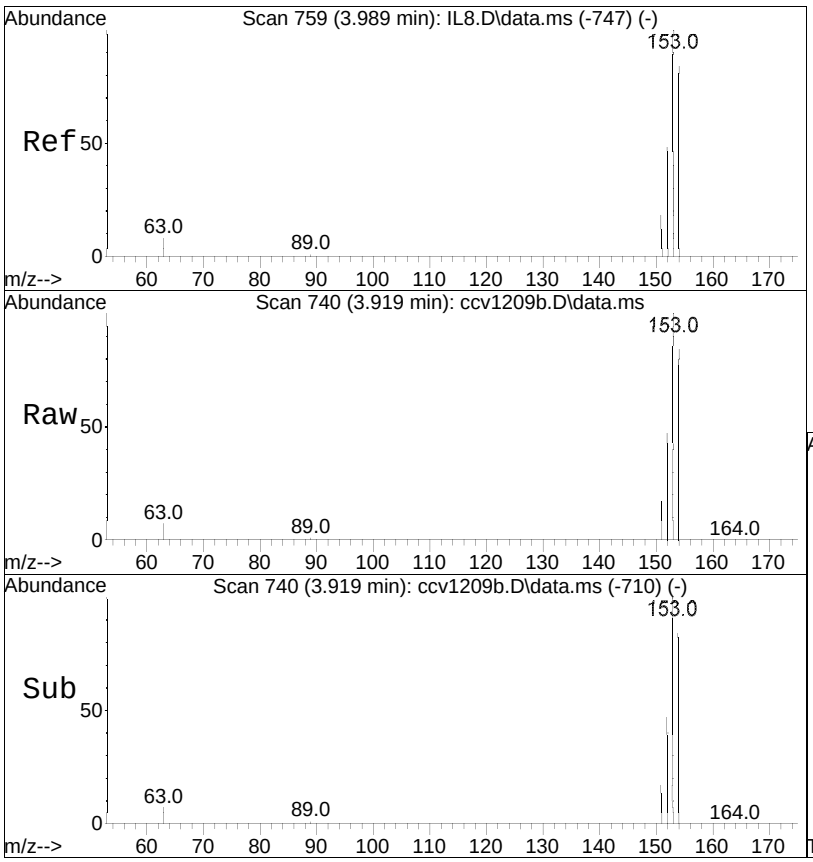


#16
Acenaphthylene
Concen: 969.33 ng/ml
RT: 3.819 min Scan# 702
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:152 Resp: 569760

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.5	24.7

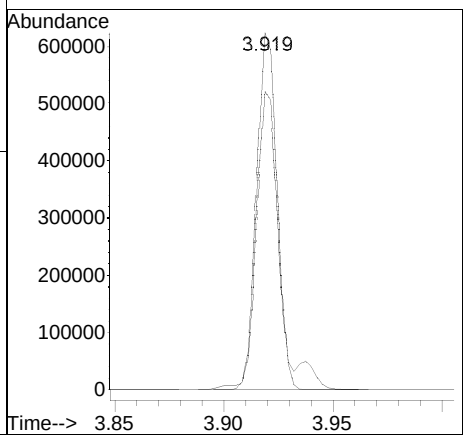


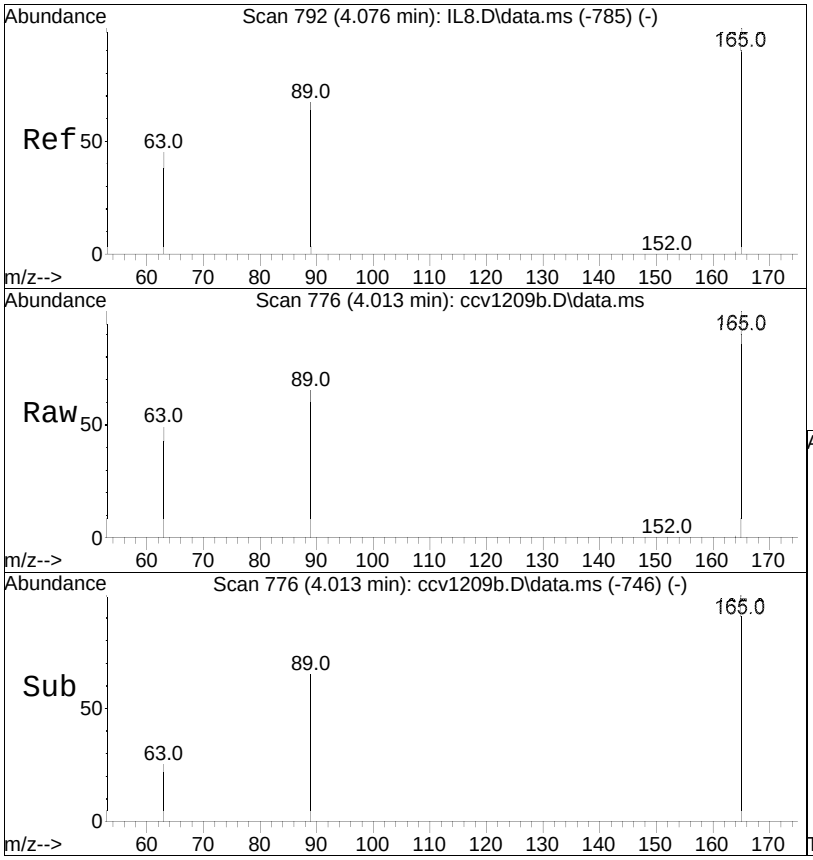


#18
Acenaphthene
Concen: 965.90 ng/ml
RT: 3.919 min Scan# 740
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:153 Resp: 404324

Ion	Ratio	Lower	Upper
153	100		
154	86.6	74.9	112.3

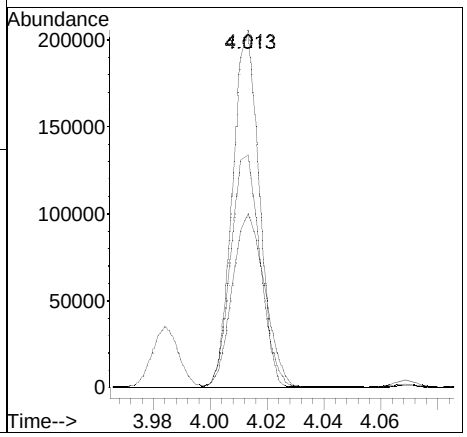


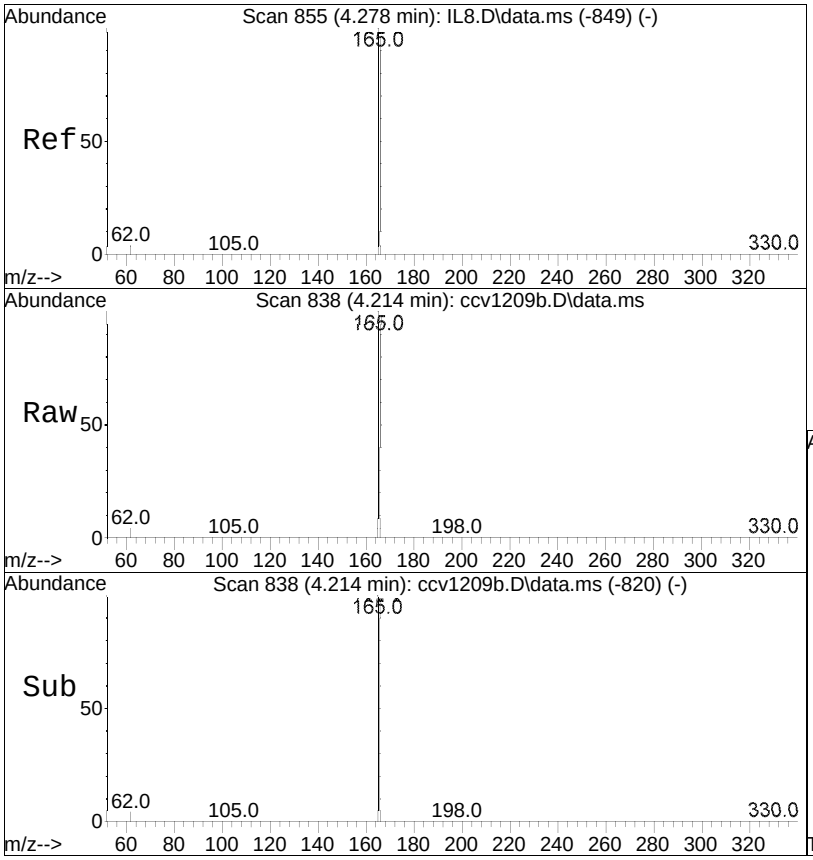


#19
2,4-Dinitrotoluene
Concen: 1078.00 ng/ml
RT: 4.013 min Scan# 776
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:165 Resp: 131671

Ion	Ratio	Lower	Upper
165	100		
89	72.6	62.9	94.3
63	59.6	52.2	78.4

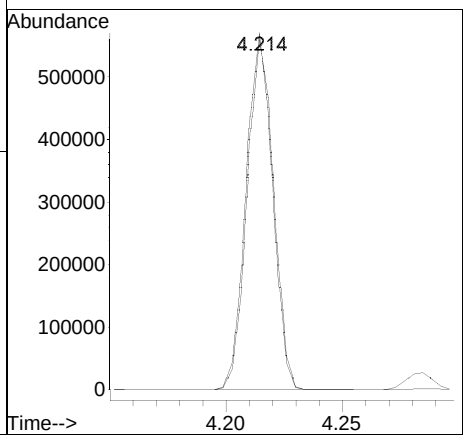


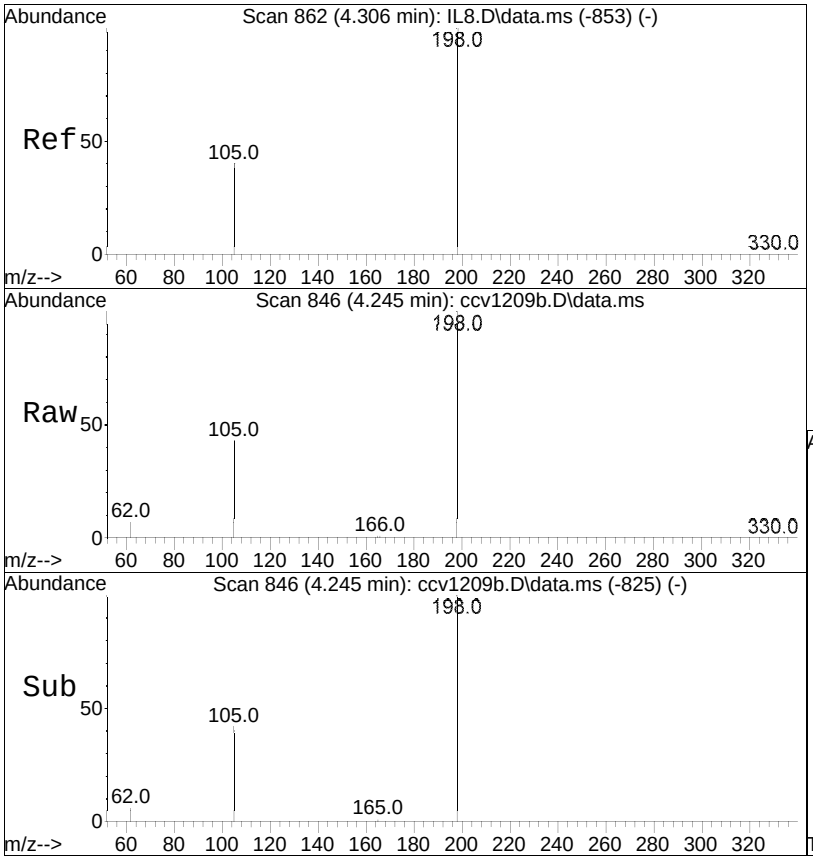


#20
Fluorene
Concen: 959.26 ng/ml
RT: 4.214 min Scan# 838
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:166 Resp: 443313

Ion	Ratio	Lower	Upper
166	100		
165	101.3	82.2	123.4

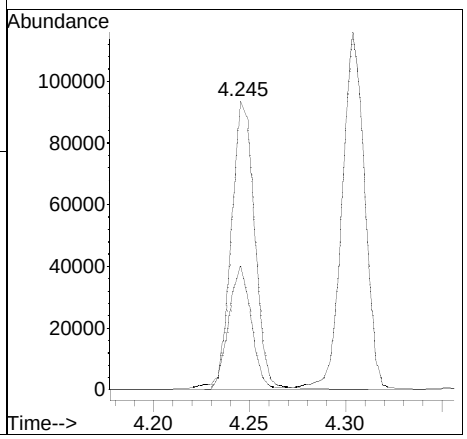


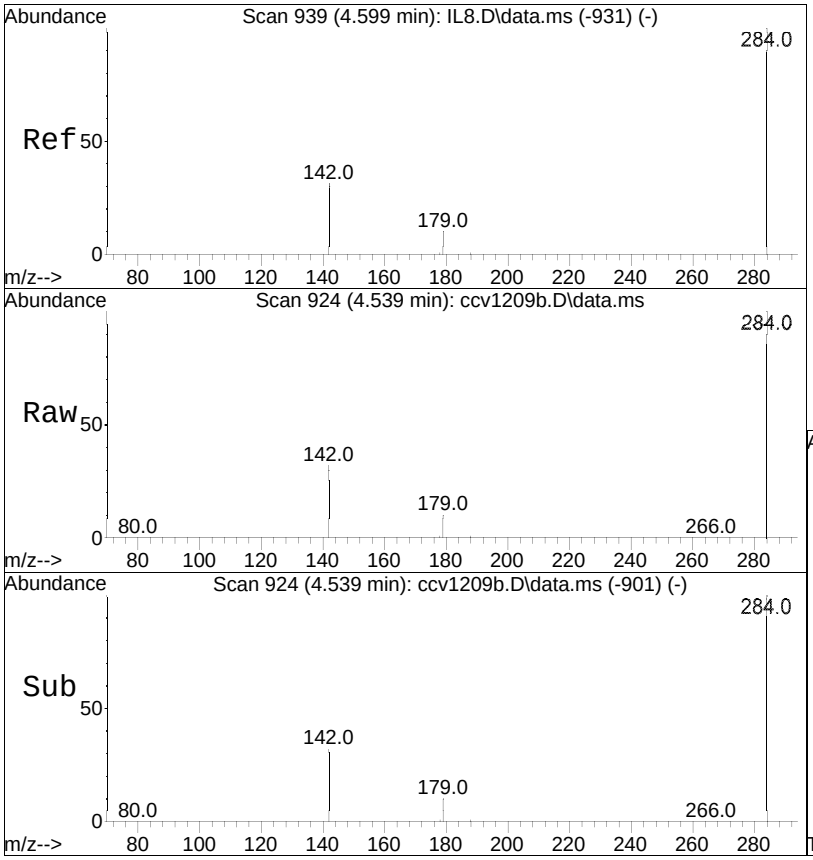


#23
4,6-Dinitro-o-cresol
Concen: 939.56 ng/ml
RT: 4.245 min Scan# 846
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:198 Resp: 78650

Ion	Ratio	Lower	Upper
198	100		
105	42.7	33.1	49.7

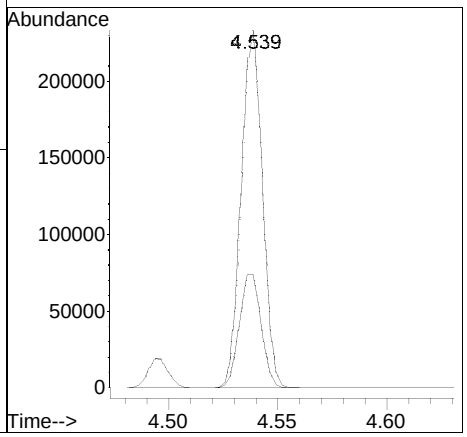


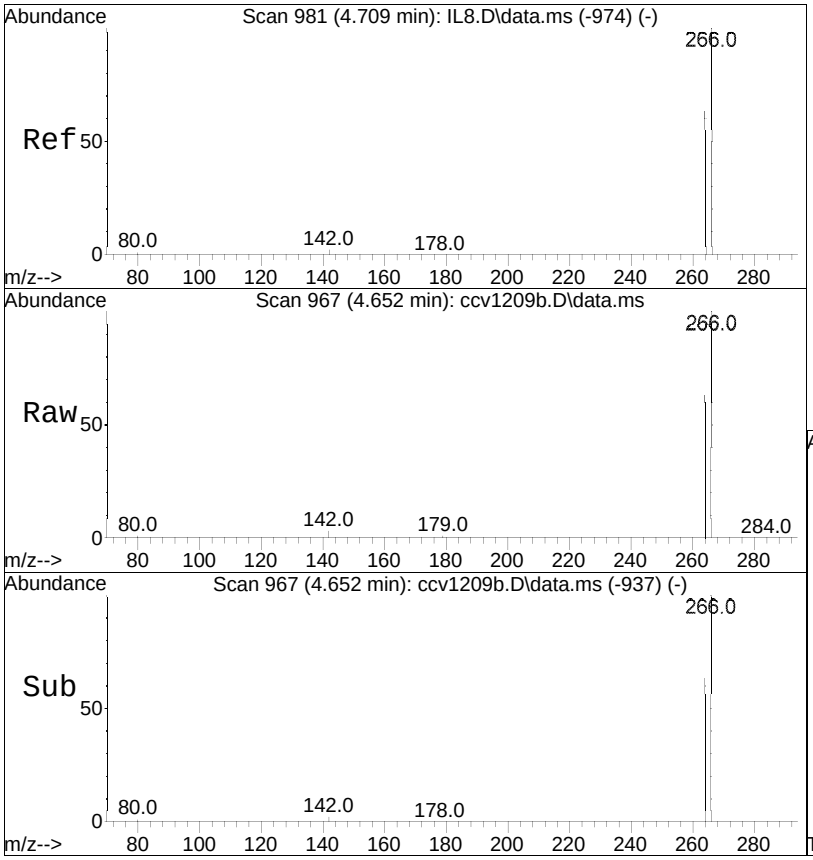


#24
Hexachlorobenzene
Concen: 894.76 ng/ml
RT: 4.539 min Scan# 924
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:284 Resp: 155272

Ion	Ratio	Lower	Upper
284	100		
142	32.8	25.4	38.0

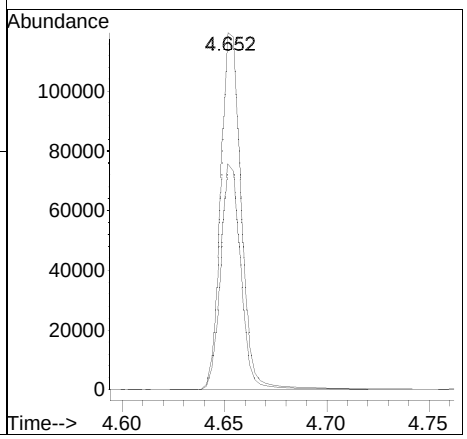


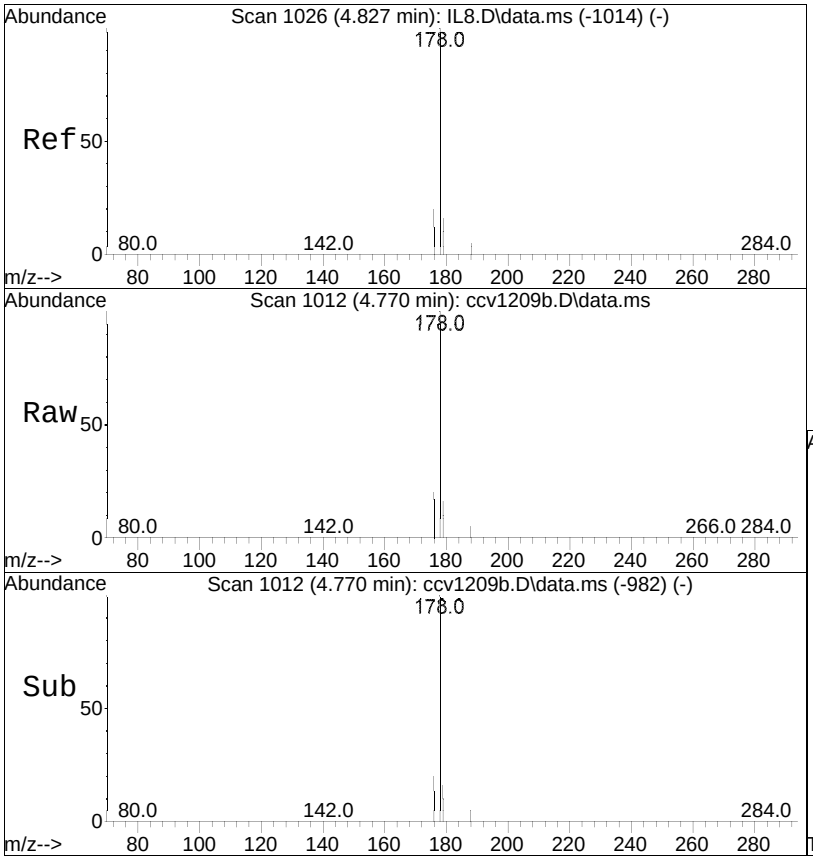


#25
Pentachlorophenol
Concen: 988.57 ng/ml
RT: 4.652 min Scan# 967
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:266 Resp: 82549

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.6	76.0

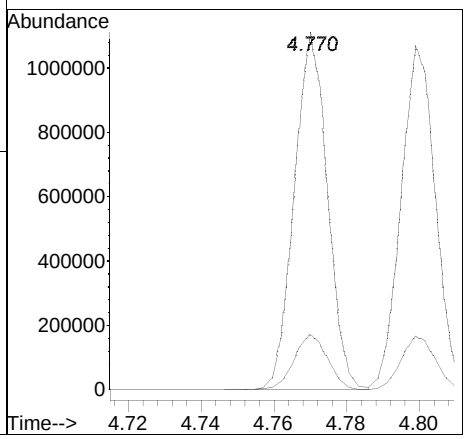


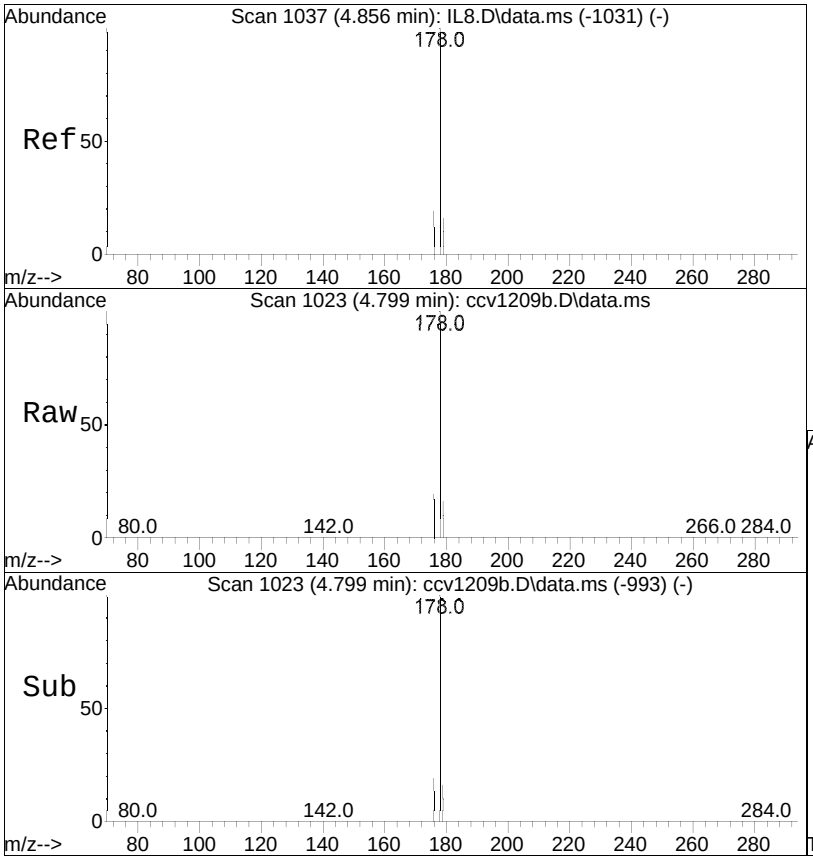


#26
Phenanthrene
Concen: 938.95 ng/ml
RT: 4.770 min Scan# 1012
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:178 Resp: 702294

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.8	19.2

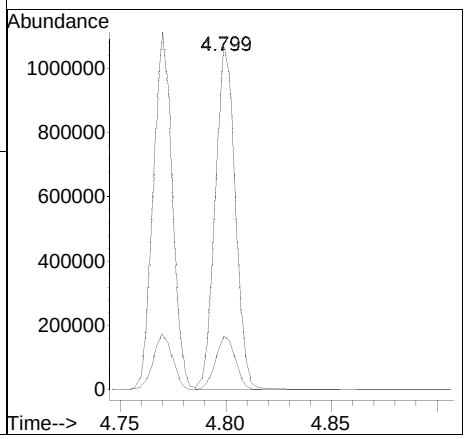


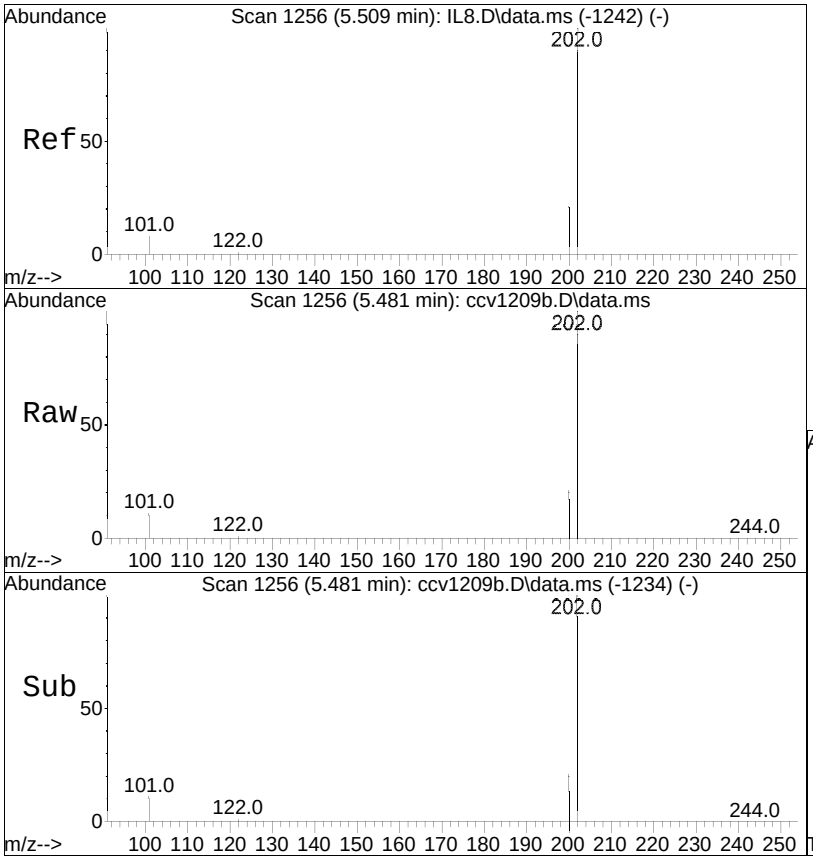


#27
Anthracene
Concen: 981.39 ng/ml
RT: 4.799 min Scan# 1023
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:178 Resp: 706801

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	18.8

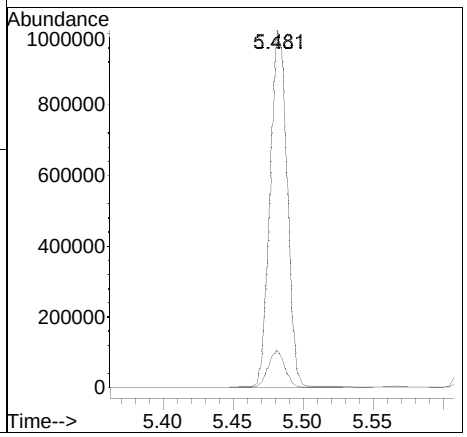


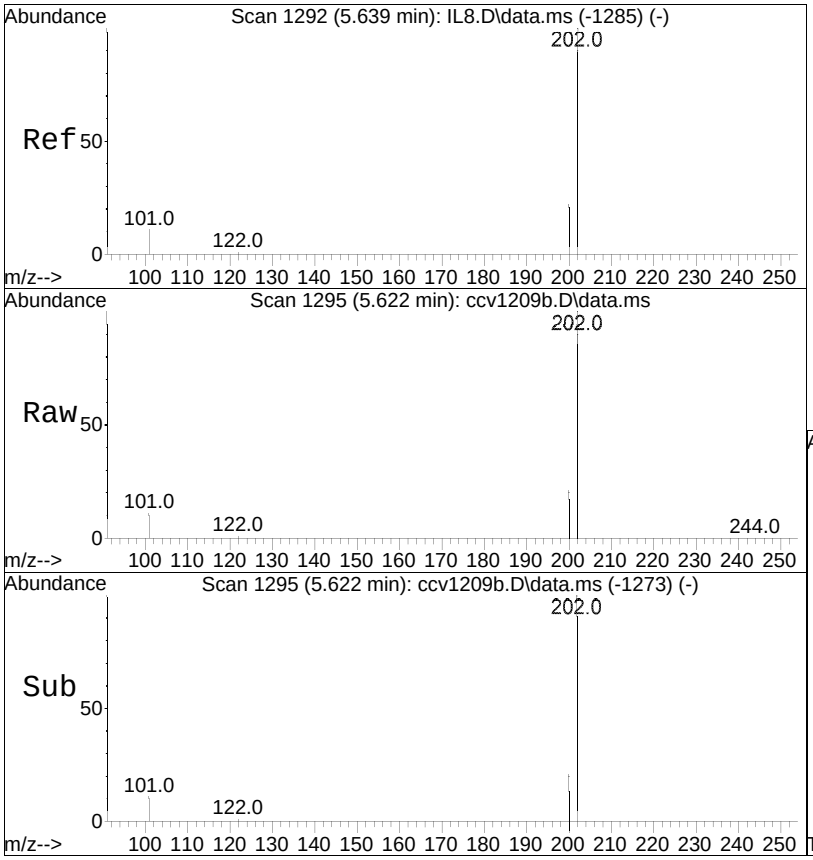


#28
Fluoranthene
Concen: 982.03 ng/ml
RT: 5.481 min Scan# 1256
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:202 Resp: 843608

Ion	Ratio	Lower	Upper
202	100		
101	10.4	7.7	11.5

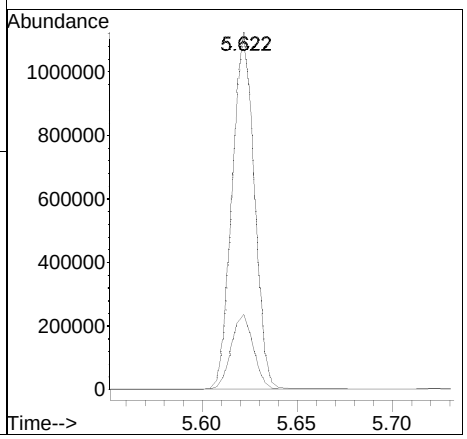


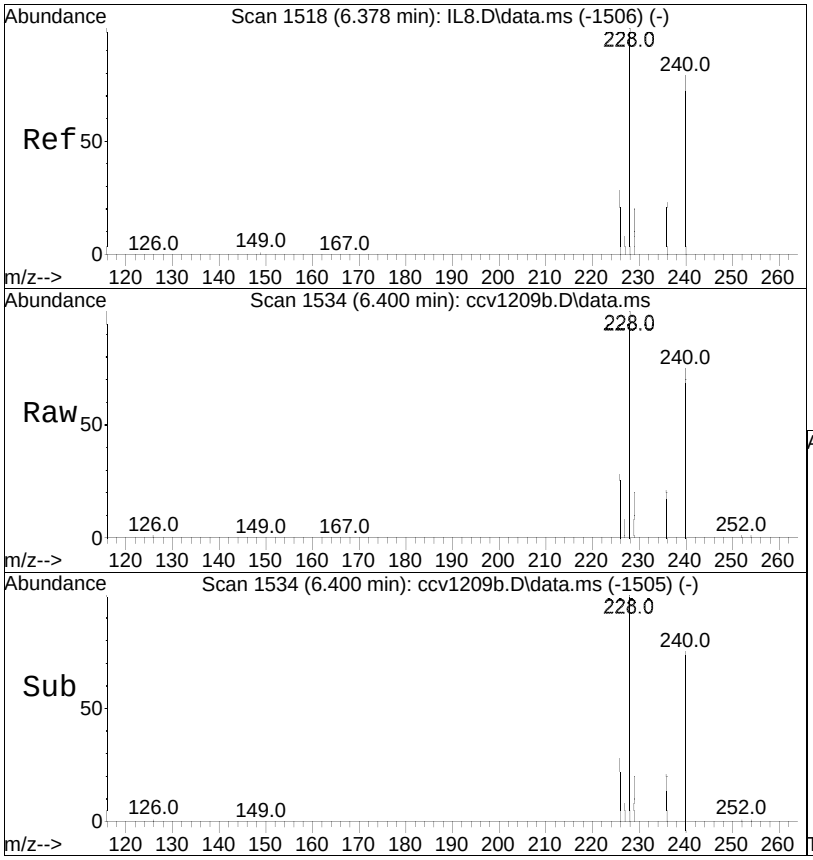


#29
Pyrene
Concen: 995.85 ng/ml
RT: 5.622 min Scan# 1295
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:202 Resp: 904055

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9

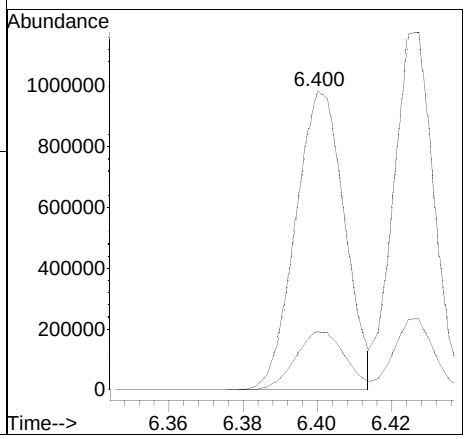


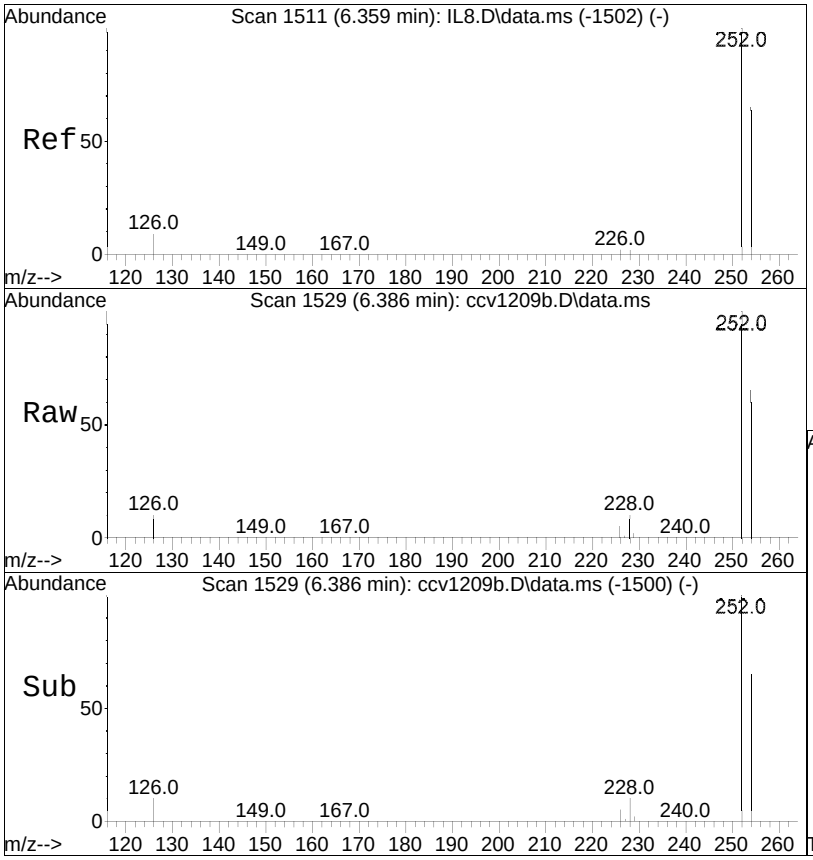


#32
Benzo[a]anthracene
Concen: 1058.87 ng/ml
RT: 6.400 min Scan# 1534
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:228 Resp: 903763

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.9	23.9

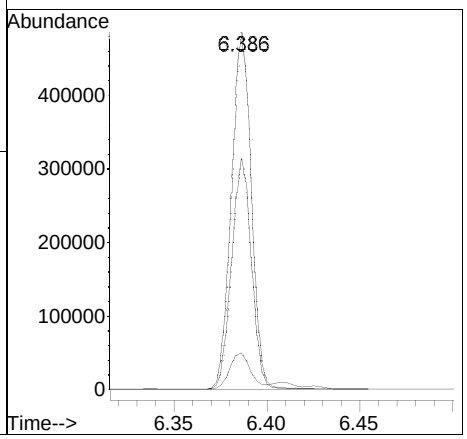


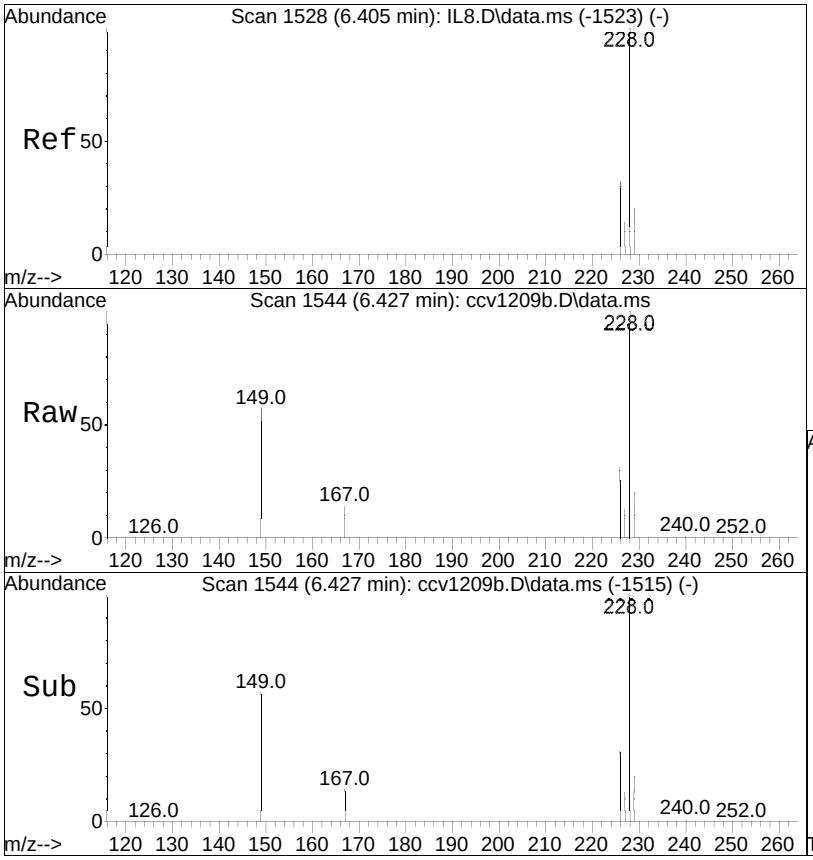


#33
3,3'-Dichlorobenzidine
Concen: 1125.18 ng/ml
RT: 6.386 min Scan# 1529
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:252 Resp: 355058

Ion	Ratio	Lower	Upper
252	100		
126	11.0	7.8	11.8
254	64.8	51.8	77.8

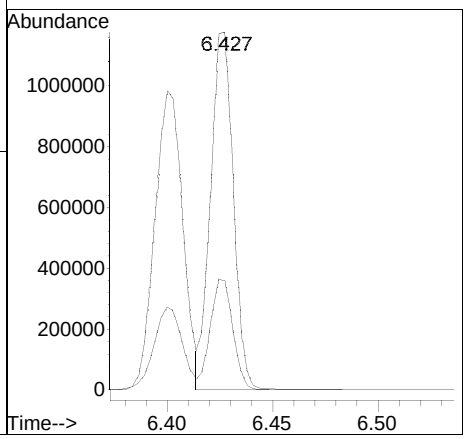


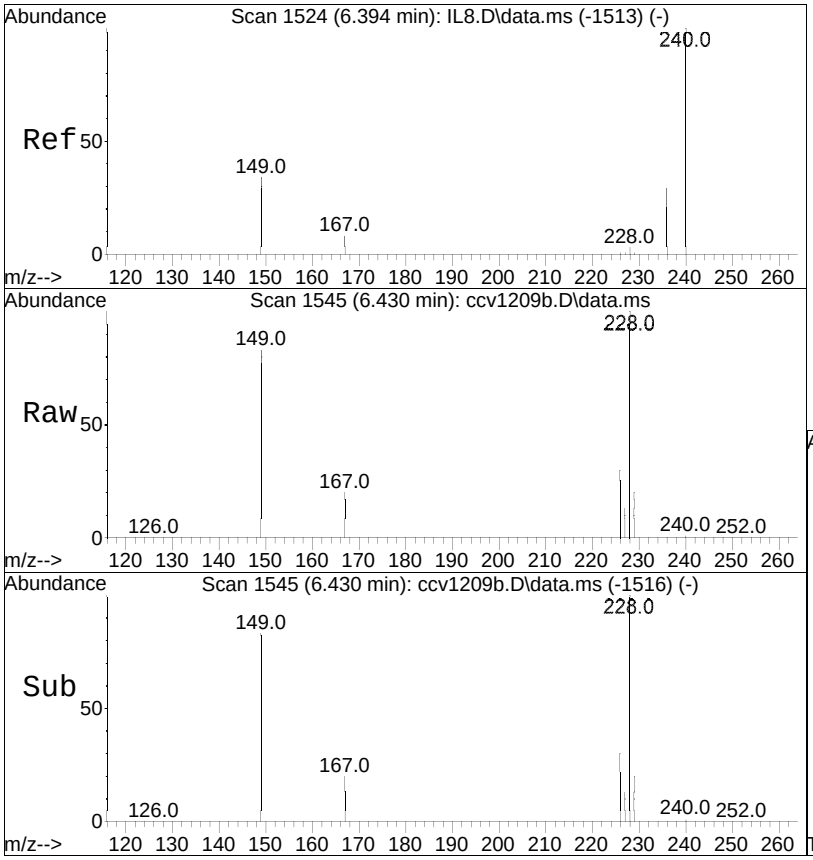


#34
Chrysene
Concen: 1105.26 ng/ml
RT: 6.427 min Scan# 1544
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:228 Resp: 880716

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6

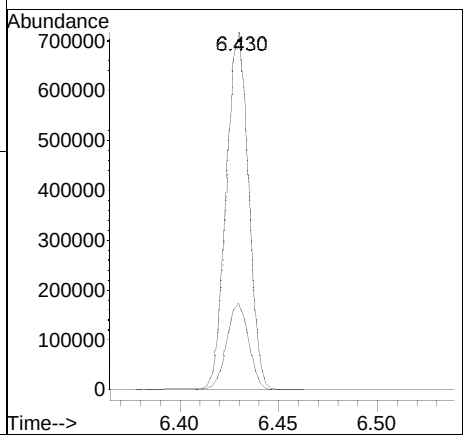


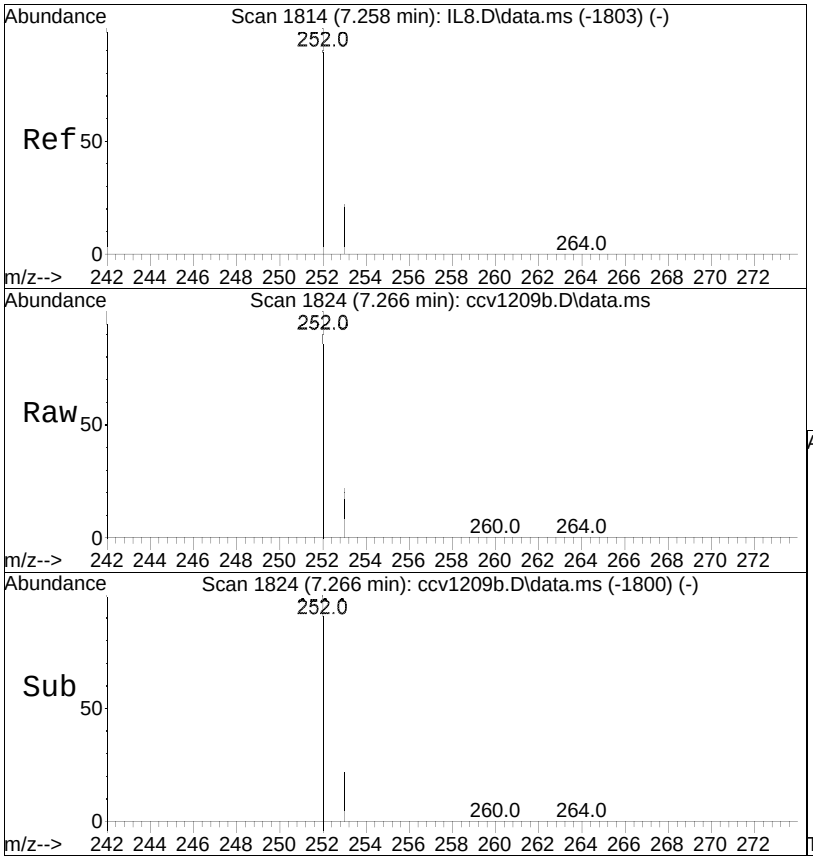


#35
Bis(2-ethylhexyl)phthalate
Concen: 1220.74 ng/ml
RT: 6.430 min Scan# 1545
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:149 Resp: 556549

Ion	Ratio	Lower	Upper
149	100		
167	24.3	19.0	28.4

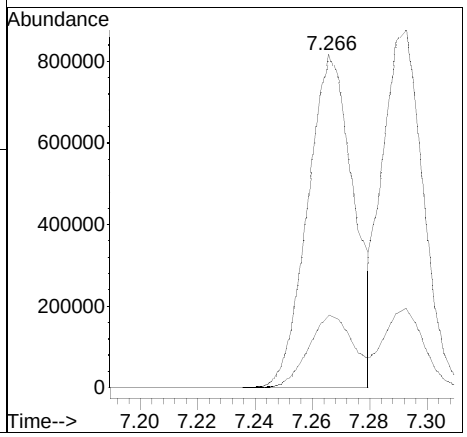


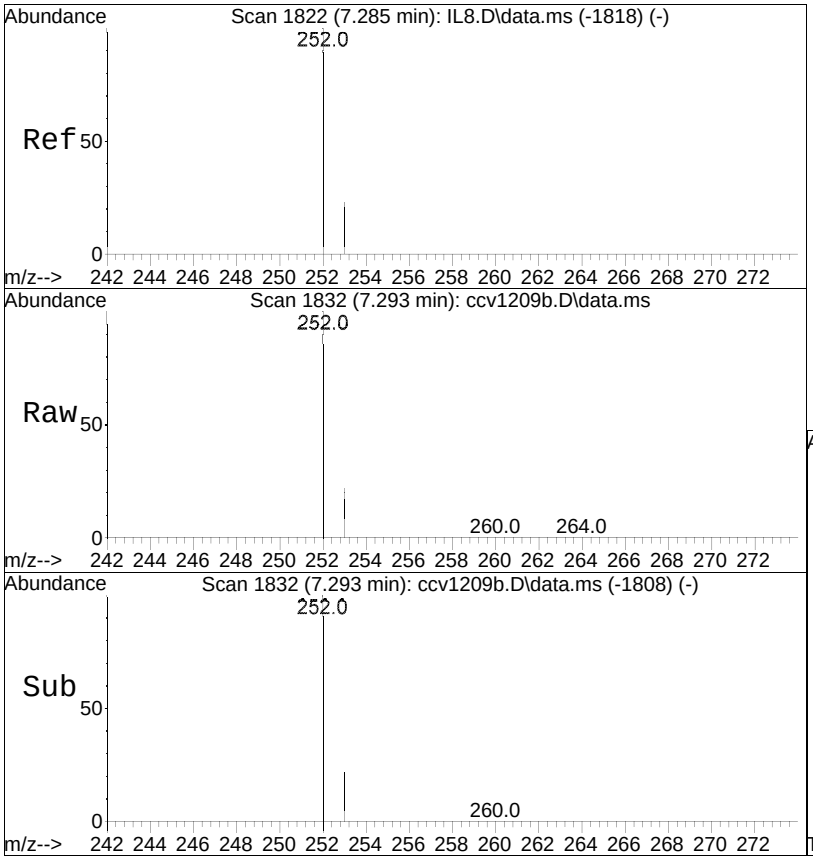


#37
Benzo[b]fluoranthene
Concen: 1060.06 ng/ml
RT: 7.266 min Scan# 1824
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:252 Resp: 915769

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4

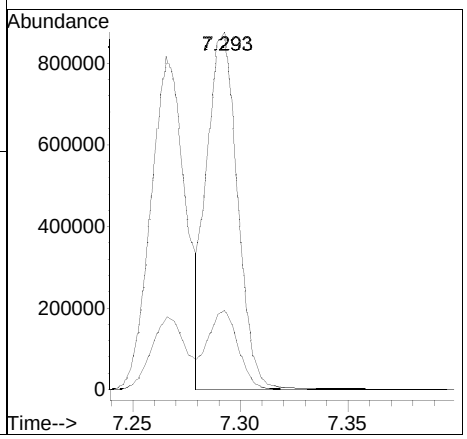


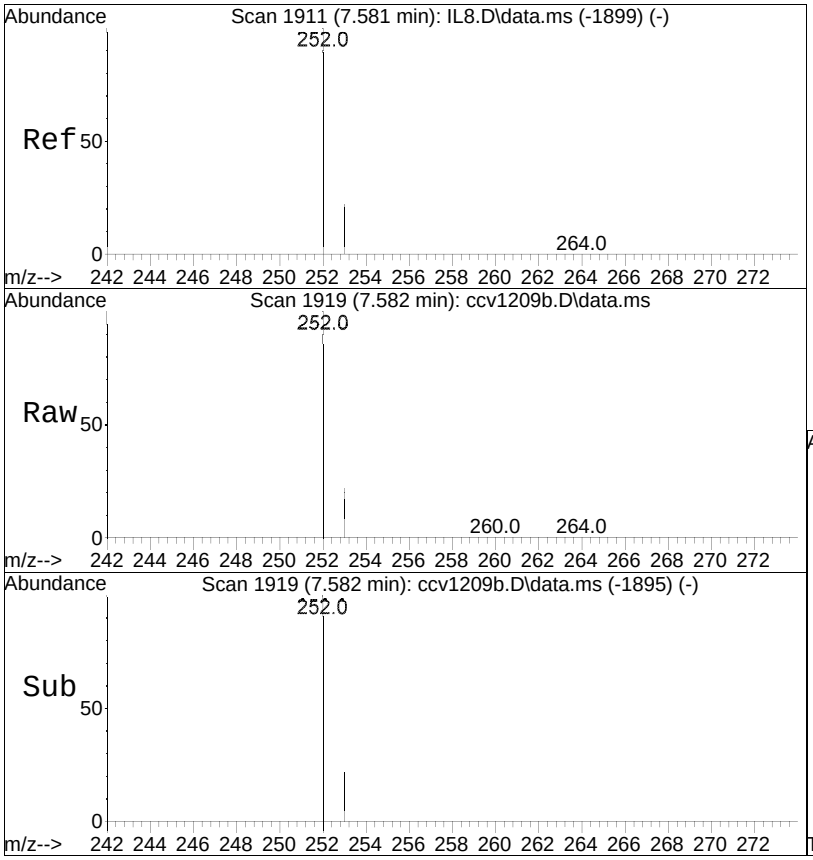


#38
Benzo[k]fluoranthene
Concen: 1086.39 ng/ml
RT: 7.293 min Scan# 1832
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:252 Resp: 857695

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8

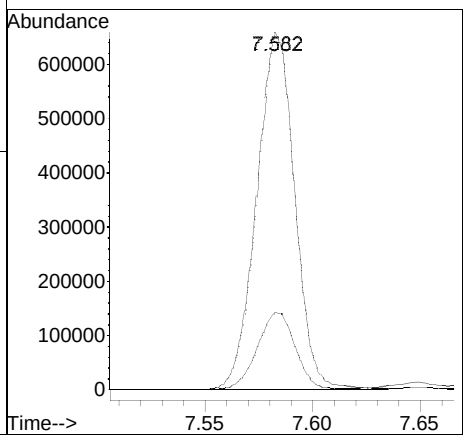


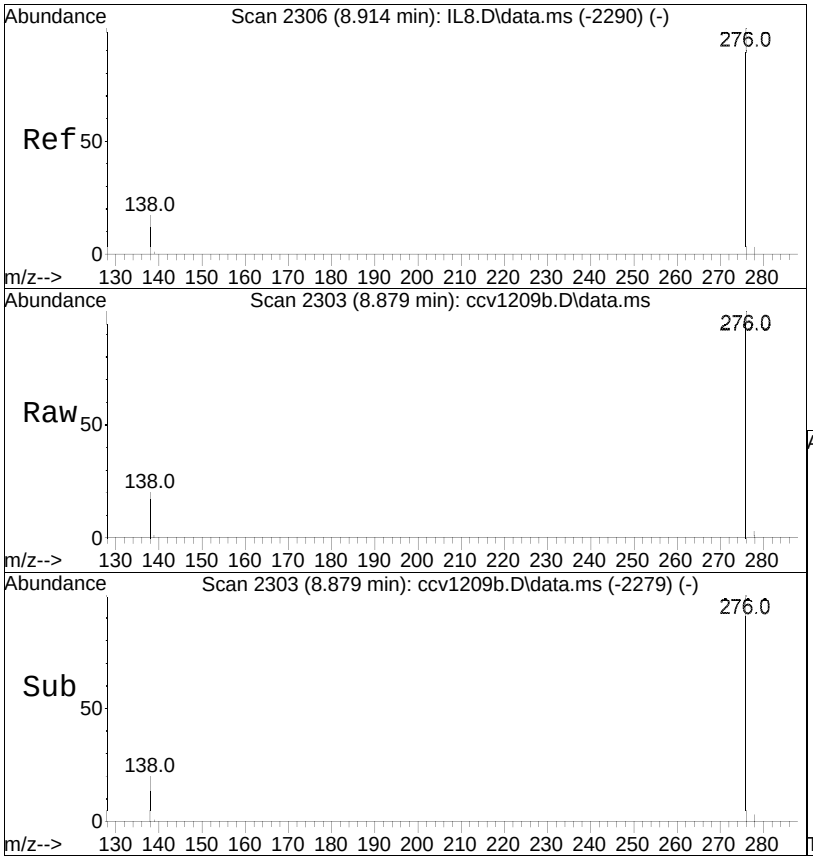


#39
Benzo[a]pyrene
Concen: 1113.64 ng/ml
RT: 7.582 min Scan# 1919
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:252 Resp: 797903

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3

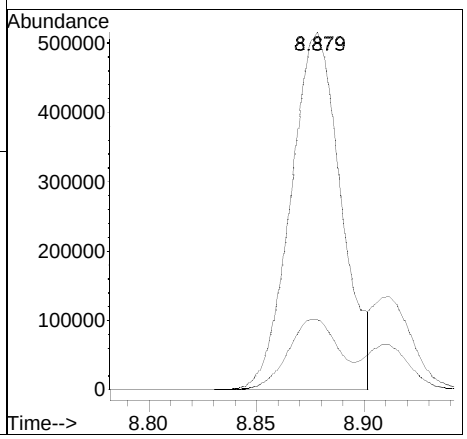


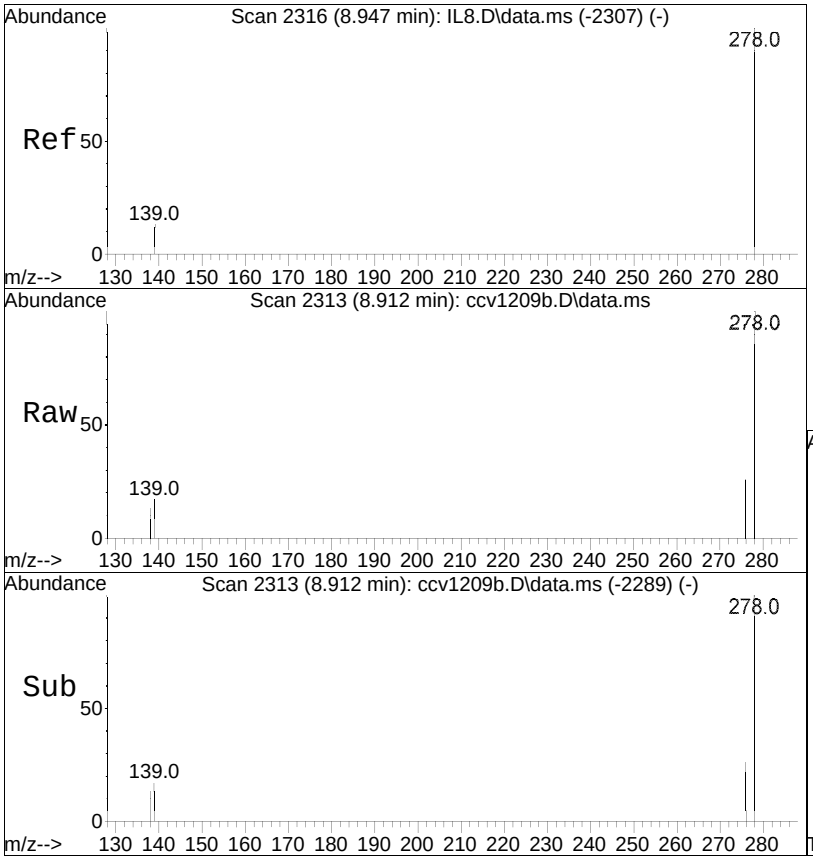


#40
Indeno[1,2,3-cd]pyrene
Concen: 1086.62 ng/ml
RT: 8.879 min Scan# 2303
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:276 Resp: 836137

Ion	Ratio	Lower	Upper
276	100		
138	19.9	13.3	19.9

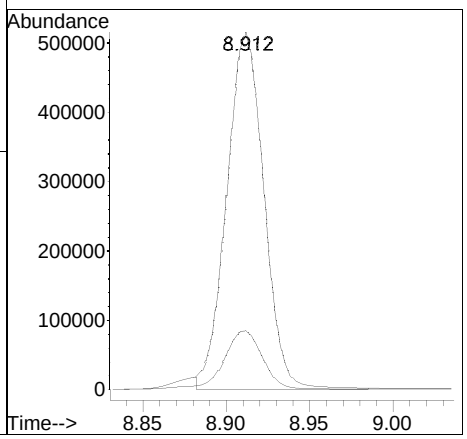


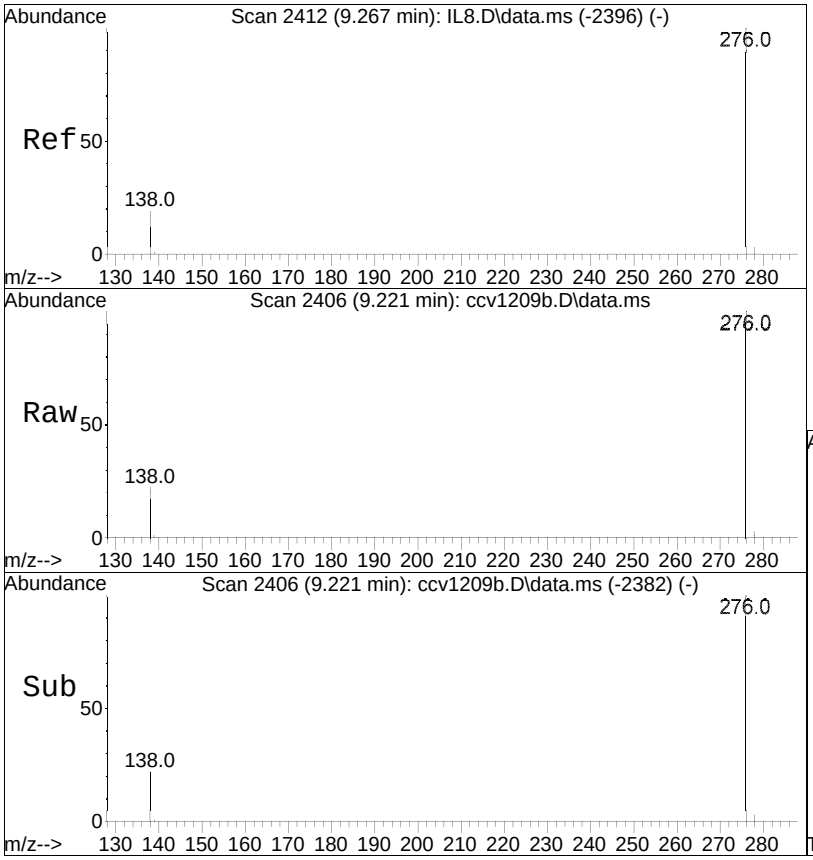


#41
Dibenzo[a,h]anthracene
Concen: 1121.23 ng/ml M6
RT: 8.912 min Scan# 2313
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:278 Resp: 794693

Ion	Ratio	Lower	Upper
278	100		
139	17.2	11.1	16.7#

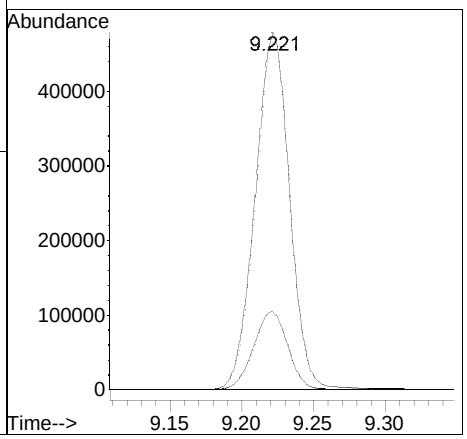




#42
Benzo[g,h,i]perylene
Concen: 1051.81 ng/ml
RT: 9.221 min Scan# 2406
Delta R.T. 0.000 min
Lab File: ccv1209b.D
Acq: 09 Dec 2024 08:32 am

Tgt Ion:276 Resp: 786381

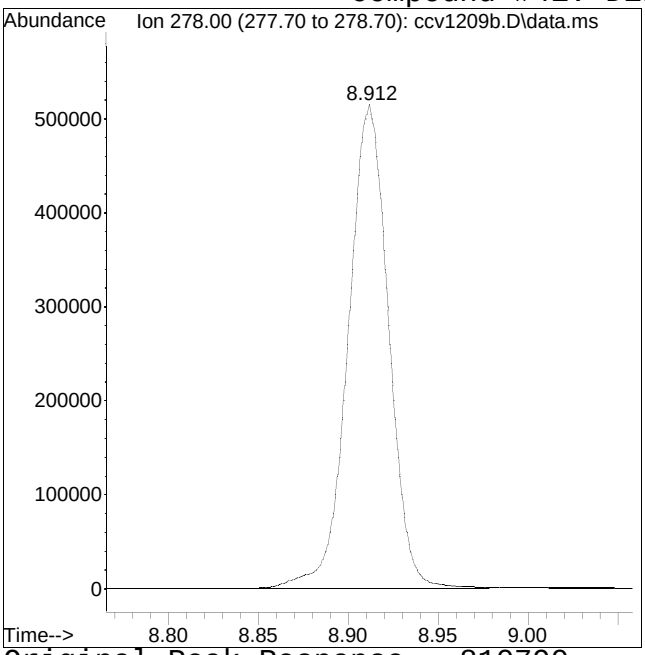
Ion	Ratio	Lower	Upper
276	100		
138	22.1	14.6	22.0#



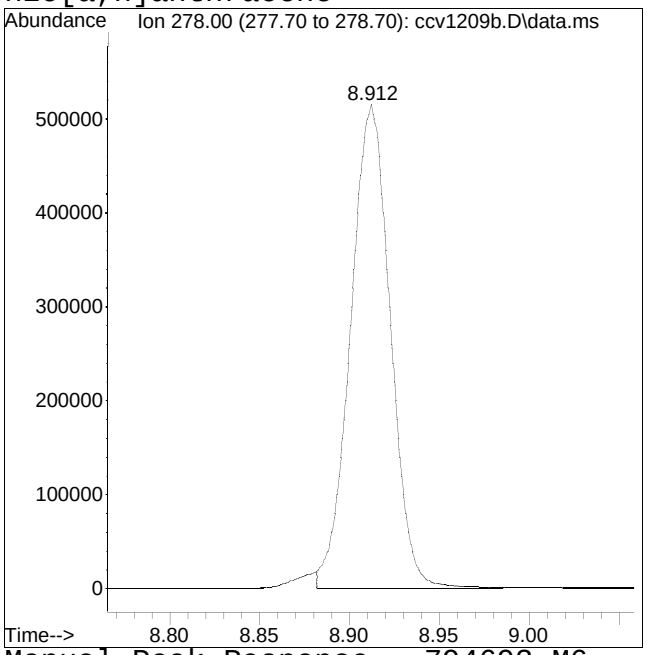
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQ
Data File : ccv1209b.D
Date Inj'd : 12/9/2024 8:32 am
Sample : WG2006821-3,32,,ICV 10884
Method : SIM-RVT_241105n_sv125.M
Operator : SV125:jjw
Instrument : SV125
Quant Date : 12/9/2024 8:49 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 810790



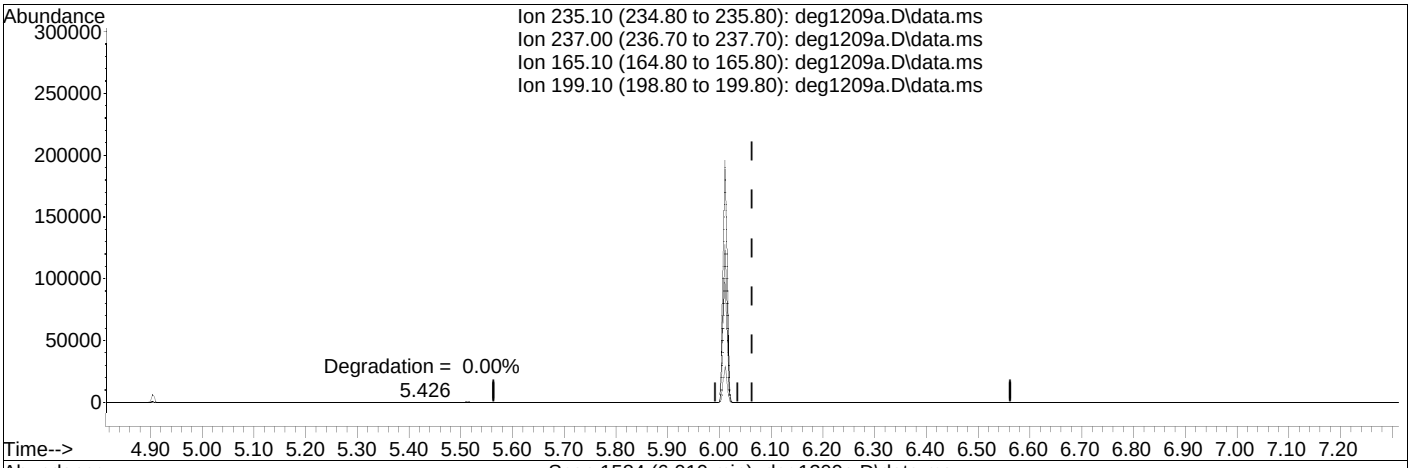
Manual Peak Response = 794693 M6

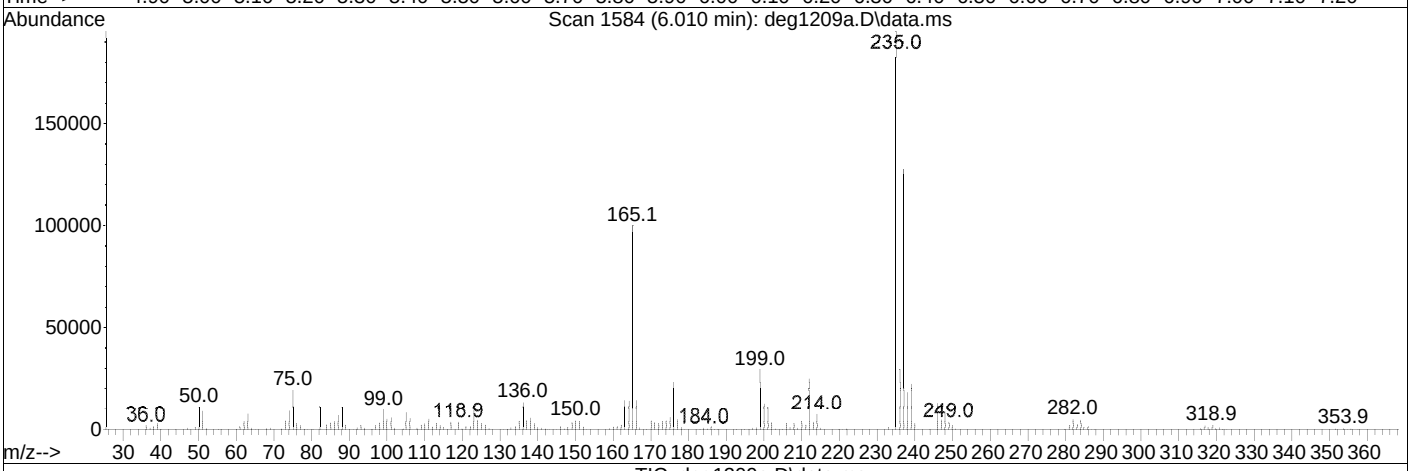
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : deg1209a.D
Acq On : 09 Dec 2024 07:31 am
Operator : SV125:jjw
Sample : WG2006821-2,32,,dftpp SV125 lot #11169
Misc : WG2006821,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 09 07:49:27 2024
Quant Method : I:\8270SIM\SV125\241209aRVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 25 08:18:47 2024
Response via : Continuing Cal File:





TIC: deg1209a.D\data.ms

(6) ddt (T)

6.010min (-0.053) 15.80

response 96307

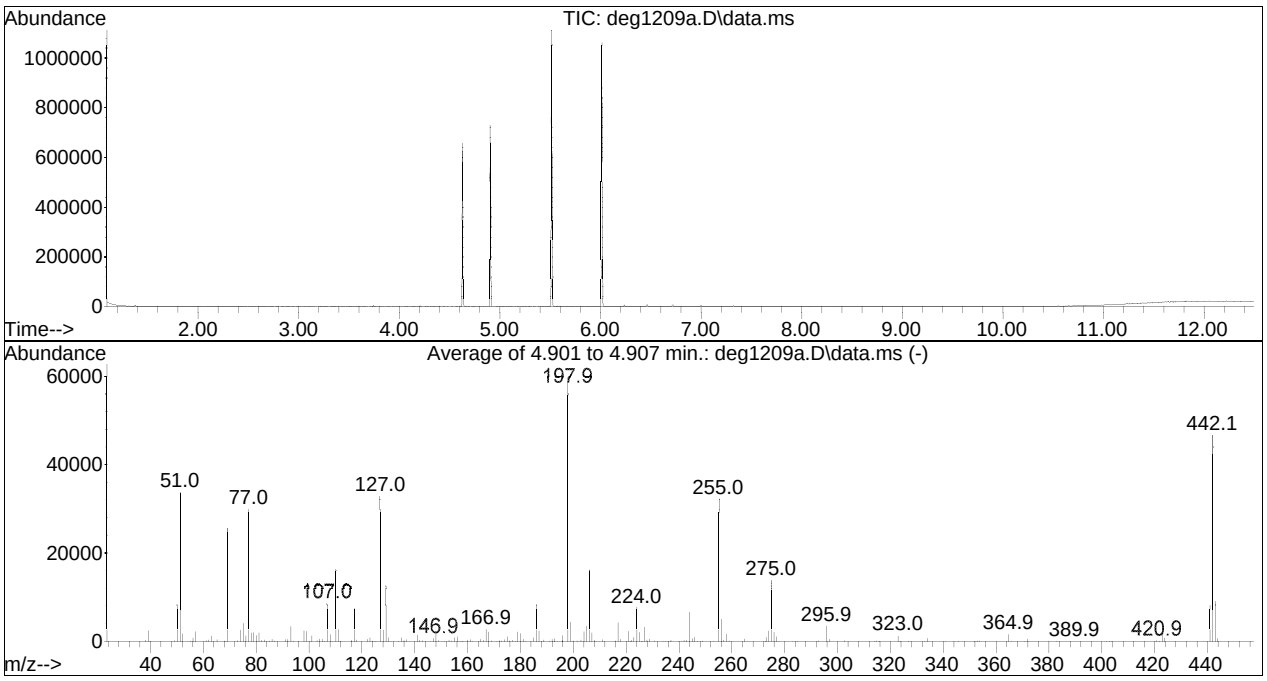
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	65.35
165.10	53.30	52.15
199.10	17.10	15.22

DFTPP

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : deg1209a.D
Acq On : 09 Dec 2024 07:31 am
Operator : SV125:jjw
Sample : WG2006821-1,32,,dftpp SV125 lot #11169
Misc : WG2006821,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Dec 09 08:48:52 2024



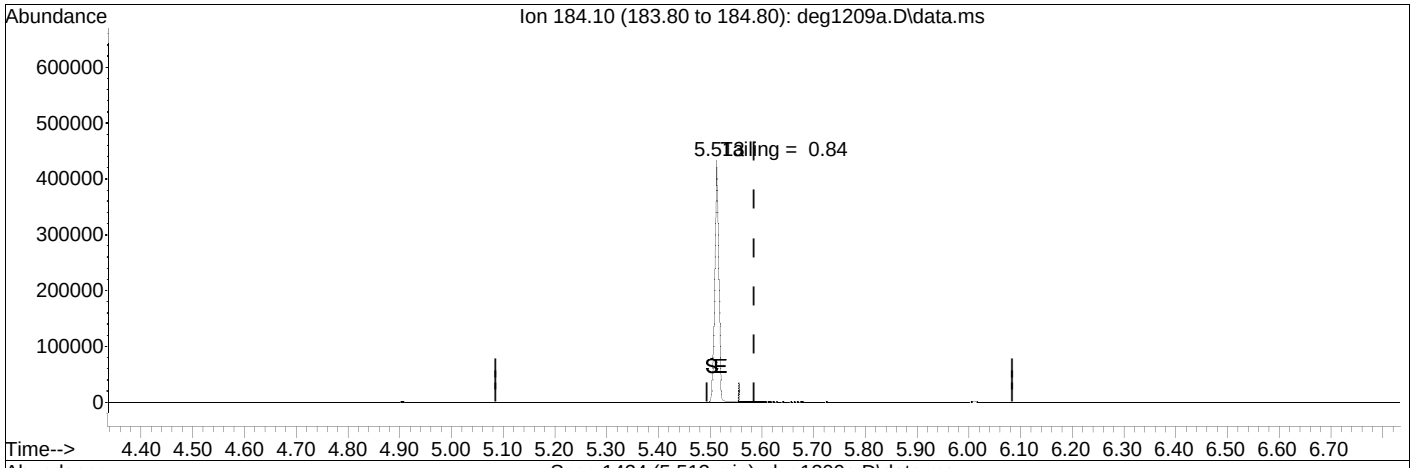
Spectrum Information: Average of 4.901 to 4.907 min.

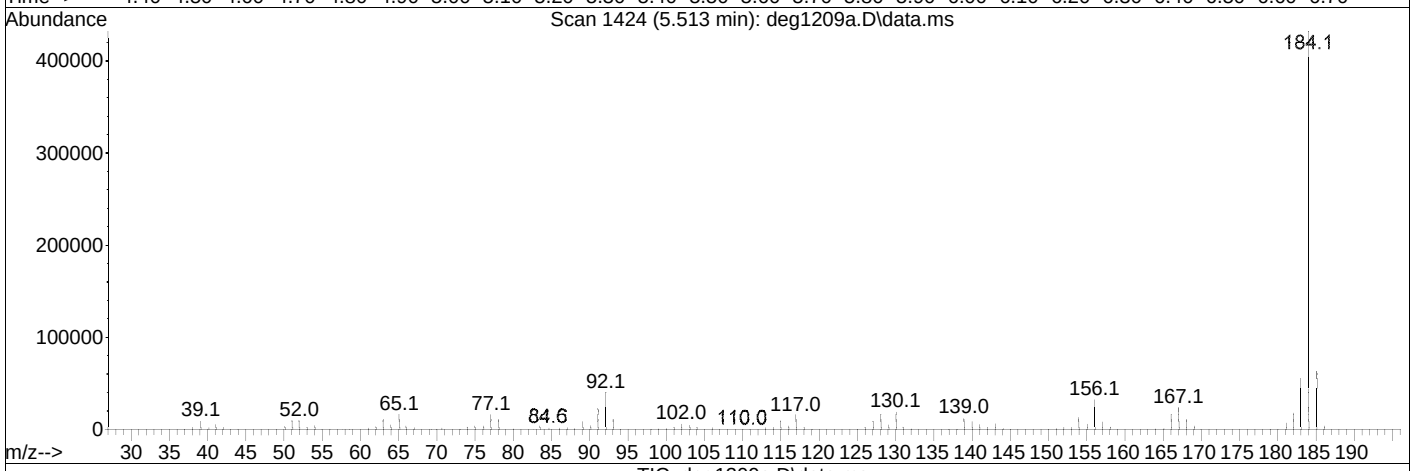
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	56.5	33755	PASS
68	69	0.00	2	1.1	270	PASS
69	69	100	100	100.0	25579	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	55.0	32859	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	59691	PASS
199	198	5	9	7.3	4348	PASS
275	198	10	60	23.2	13836	PASS
365	198	1	100	2.8	1680	PASS
441	442	0.01	24	17.2	8027	PASS
442	198	50	100	78.2	46677	PASS
443	442	15	24	19.7	9205	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : deg1209a.D
Acq On : 09 Dec 2024 07:31 am
Operator : SV125:jjw
Sample : WG2006821-4,32,,dftpp SV125 lot #11169
Misc : WG2006821,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 09 07:49:27 2024
Quant Method : I:\8270SIM\SV125\241209aRVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 25 08:18:47 2024
Response via : Continuing Cal File:





TIC: deg1209a.D\data.ms

(3) benzidine (T)

5.513min (-0.072) 21.62

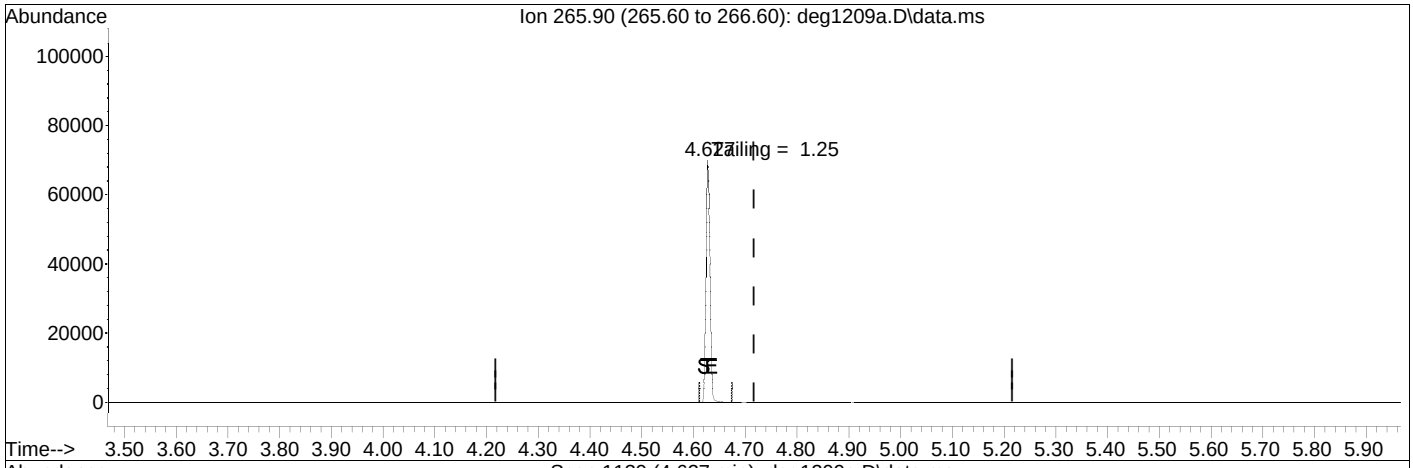
response 220087

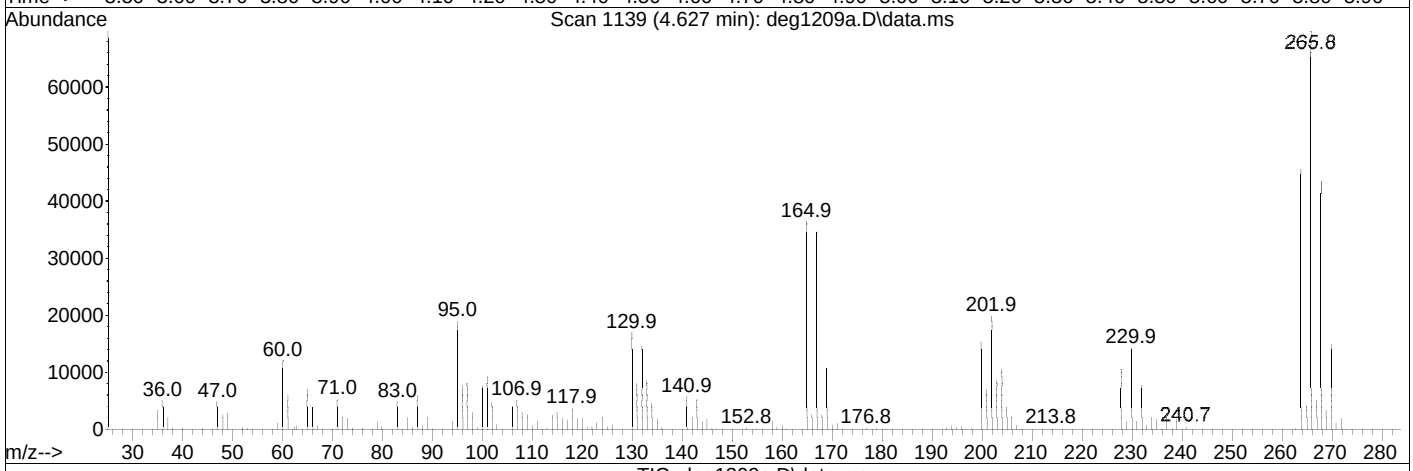
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : deg1209a.D
Acq On : 09 Dec 2024 07:31 am
Operator : SV125:jjw
Sample : WG2006821-5,32,,dftpp SV125 lot #11169
Misc : WG2006821,,ical21676
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 09 07:49:27 2024
Quant Method : I:\8270SIM\SV125\241209aRVT\dftppsv125.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 25 08:18:47 2024
Response via : Continuing Cal File:





TIC: deg1209a.D\data.ms

(1) pentachlorophenol (T)

4.627min (-0.090) 16.52

response 34691

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

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV120	**Calibration Date**	: 12/05/24 05:56		
Lab File ID	: CCV1205	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2005462-3	**Init. Calib. Times**	: 07:30	09:57	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	94	0
2-Fluorophenol	1.177	1.129	.05	4.1	20	92	0
Phenol-d6	1.447	1.361	.05	5.9	20	89	0
Bis(2-chloroethyl)ether	1000	873.048	.05	12.7	20	86	0
n-nitrosodi-n-propylamine	0.873	0.779	.05	10.8	20	84	0
Hexachloroethane	0.524	0.48	.05	8.4	20	87	0
Nitrobenzene-d5	1.277	1.17	.05	8.4	20	86	0
Naphthalene-d8	1	1	.05	0	20	93	0
Naphthalene	1	0.896	.05	10.4	20	88	0
Hexachlorobutadiene	0.189	0.174	.05	7.9	20	89	0
2-Methylnaphthalene	0.694	0.622	.05	10.4	20	87	0
1-Methylnaphthalene	0.639	0.568	.05	11.1	20	87	0
2-Fluorobiphenyl	0.806	0.686	.05	14.9	20	86	0
2-Chloronaphthalene	0.689	0.604	.05	12.3	20	87	0
2,6-Dinitrotoluene	0.156	0.139	.05	10.9	20	85	0
Acenaphthylene	0.994	0.899	.05	9.6	20	86	0
Acenaphthene-d10	1	1	.05	0	20	90	0
Acenaphthene	1.207	1.071	.05	11.3	20	85	0
2,4-Dinitrotoluene	0.336	0.334	.05	0.6	20	86	0
Fluorene	1.306	1.192	.05	8.7	20	85	0
2,4,6-Tribromophenol	0.159	0.169	.05	-6.3	20	92	0
Phenanthrene-d10	1	1	.05	0	20	91	0
4,6-Dinitro-o-cresol	1000	824.425	.05	17.6	20	79	0
Hexachlorobenzene	0.211	0.2	.05	5.2	20	90	0
Pentachlorophenol	1000	850.697	.05	14.9	20	78	0
Phenanthrene	0.953	0.898	.05	5.8	20	85	0
Anthracene	0.986	0.901	.05	8.6	20	84	0
Fluoranthene	1.098	1.011	.05	7.9	20	88	0
Pyrene	1.132	1.059	.05	6.4	20	89	0
4-Terphenyl-d14	0.727	0.594	.05	18.3	20	78	0
Chrysene-d12	1	1	.05	0	20	91	0
Benzo[a]anthracene	1000	920.095	.05	8	20	85	0
3,3'-Dichlorobenzidine	0.432	0.435	.05	-0.7	20	89	0
Chrysene	1.059	1.063	.05	-0.4	20	85	0
Bis(2-ethylhexyl)phthalate	0.708	0.669	.05	5.5	20	85	0
Perylene-d12	1	1	.05	0	20	91	0
Benzo[b]fluoranthene	1.214	1.064	.05	12.4	20	82	0
Benzo[k]fluoranthene	1.091	1.054	.05	3.4	20	85	0
Benzo[a]pyrene	0.994	0.954	.05	4	20	84	0
Indeno[1,2,3-cd]pyrene	1.017	0.93	.05	8.6	20	82	0
Dibenzo[a,h]anthracene	0.955	0.896	.05	6.2	20	84	0
Benzo[g,h,i]perylene	0.987	0.898	.05	9	20	82	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV125	**Calibration Date**	: 12/05/24 06:29		
Lab File ID	: CCV1205	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2005685-3	**Init. Calib. Times**	: 11:10	13:36	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	89	0
2-Fluorophenol	1.075	1.019	.05	5.2	20	87	0
Phenol-d6	1.36	1.207	.05	11.3	20	83	0
Bis(2-chloroethyl)ether	1000	867.44	.05	13.3	20	83	0
n-nitrosodi-n-propylamine	0.775	0.694	.05	10.5	20	77	0
Hexachloroethane	0.503	0.452	.05	10.1	20	83	0
Nitrobenzene-d5	1.158	1.062	.05	8.3	20	79	0
Naphthalene-d8	1	1	.05	0	20	95	0
Naphthalene	1.074	0.948	.05	11.7	20	87	0
Hexachlorobutadiene	0.22	0.179	.05	18.6	20	79	0
2-Methylnaphthalene	0.724	0.655	.05	9.5	20	87	0
1-Methylnaphthalene	0.677	0.603	.05	10.9	20	86	0
2-Fluorobiphenyl	0.89	0.77	.05	13.5	20	84	0
2-Chloronaphthalene	0.758	0.667	.05	12	20	84	0
2,6-Dinitrotoluene	0.173	0.163	.05	5.8	20	84	0
Acenaphthylene	1.076	1.014	.05	5.8	20	86	0
Acenaphthene-d10	1	1	.05	0	20	93	0
Acenaphthene	1.289	1.135	.05	11.9	20	86	0
2,4-Dinitrotoluene	0.376	0.373	.05	0.8	20	87	0
Fluorene	1.423	1.268	.05	10.9	20	85	0
2,4,6-Tribromophenol	0.217	0.216	.05	0.5	20	81	0
Phenanthrene-d10	1	1	.05	0	20	99	0
4,6-Dinitro-o-cresol	1000	815.726	.05	18.4	20	81	0
Hexachlorobenzene	0.256	0.204	.05	20.3*	20	81	0
Pentachlorophenol	1000	846.399	.05	15.4	20	75	0
Phenanthrene	1.105	0.934	.05	15.5	20	88	0
Anthracene	1.064	0.948	.05	10.9	20	87	0
Fluoranthene	1.27	1.102	.05	13.2	20	87	0
Pyrene	1.342	1.175	.05	12.4	20	88	0
4-Terphenyl-d14	0.922	0.728	.05	21*	20	82	0
Chrysene-d12	1	1	.05	0	20	98	0
Benzo[a]anthracene	1000	943.424	.05	5.7	20	88	0
3,3'-Dichlorobenzidine	0.448	0.446	.05	0.4	20	90	0
Chrysene	1.132	1.096	.05	3.2	20	88	0
Bis(2-ethylhexyl)phthalate	0.648	0.669	.05	-3.2	20	95	0
Perylene-d12	1	1	.05	0	20	102	0
Benzo[b]fluoranthene	1.113	1.012	.05	9.1	20	91	0
Benzo[k]fluoranthene	1.017	0.928	.05	8.8	20	89	0
Benzo[a]pyrene	0.923	0.883	.05	4.3	20	91	0
Indeno[1,2,3-cd]pyrene	0.991	0.951	.05	4	20	93	0
Dibenzo[a,h]anthracene	0.913	0.915	.05	-0.2	20	96	0
Benzo[g,h,i]perylene	0.963	0.898	.05	6.7	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV125	**Calibration Date**	: 12/09/24 08:32		
Lab File ID	: CCV1209B	**Init. Calib. Date(s)**	: 11/05/24	11/05/24	
Sample No	: WG2006821-3	**Init. Calib. Times**	: 11:10	13:36	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	87	0
2-Fluorophenol	1.075	1.073	.05	0.2	20	90	0
Phenol-d6	1.36	1.291	.05	5.1	20	87	0
Bis(2-chloroethyl)ether	1000	917.983	.05	8.2	20	86	0
n-nitrosodi-n-propylamine	0.775	0.706	.05	8.9	20	77	0
Hexachloroethane	0.503	0.495	.05	1.6	20	89	0
Nitrobenzene-d5	1.158	1.093	.05	5.6	20	80	0
Naphthalene-d8	1	1	.05	0	20	88	0
Naphthalene	1.074	1.029	.05	4.2	20	87	0
Hexachlorobutadiene	0.22	0.2	.05	9.1	20	82	0
2-Methylnaphthalene	0.724	0.691	.05	4.6	20	85	0
1-Methylnaphthalene	0.677	0.64	.05	5.5	20	85	0
2-Fluorobiphenyl	0.89	0.807	.05	9.3	20	82	0
2-Chloronaphthalene	0.758	0.695	.05	8.3	20	81	0
2,6-Dinitrotoluene	0.173	0.167	.05	3.5	20	80	0
Acenaphthylene	1.076	1.043	.05	3.1	20	82	0
Acenaphthene-d10	1	1	.05	0	20	81	0
Acenaphthene	1.289	1.245	.05	3.4	20	82	0
2,4-Dinitrotoluene	0.376	0.406	.05	-8	20	82	0
Fluorene	1.423	1.365	.05	4.1	20	81	0
2,4,6-Tribromophenol	0.217	0.237	.05	-9.2	20	78	0
Phenanthrene-d10	1	1	.05	0	20	84	0
4,6-Dinitro-o-cresol	1000	939.562	.05	6	20	79	0
Hexachlorobenzene	0.256	0.229	.05	10.5	20	77	0
Pentachlorophenol	1000	988.569	.05	1.1	20	76	0
Phenanthrene	1.105	1.038	.05	6.1	20	82	0
Anthracene	1.064	1.045	.05	1.8	20	81	0
Fluoranthene	1.27	1.247	.05	1.8	20	83	0
Pyrene	1.342	1.336	.05	0.4	20	85	0
4-Terphenyl-d14	0.922	0.824	.05	10.6	20	78	0
Chrysene-d12	1	1	.05	0	20	83	0
Benzo[a]anthracene	1000	1058.866	.05	-5.9	20	83	0
3,3'-Dichlorobenzidine	0.448	0.505	.05	-12.7	20	86	0
Chrysene	1.132	1.251	.05	-10.5	20	85	0
Bis(2-ethylhexyl)phthalate	0.648	0.791	.05	-22.1*	20	95	0
Perylene-d12	1	1	.05	0	20	81	0
Benzo[b]fluoranthene	1.113	1.18	.05	-6	20	84	0
Benzo[k]fluoranthene	1.017	1.105	.05	-8.7	20	84	0
Benzo[a]pyrene	0.923	1.028	.05	-11.4	20	85	0
Indeno[1,2,3-cd]pyrene	0.991	1.077	.05	-8.7	20	84	0
Dibenzo[a,h]anthracene	0.913	1.024	.05	-12.2	20	85	0
Benzo[g,h,i]perylene	0.963	1.013	.05	-5.2	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV118	**Calibration Date**	: 12/10/24 06:12		
Lab File ID	: CCV1210	**Init. Calib. Date(s)**	: 10/25/24	10/25/24	
Sample No	: WG2007182-3	**Init. Calib. Times**	: 16:43	19:21	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	100	0
2-Fluorophenol	1.131	1.072	.01	5.2	20	97	0
Phenol-d6	1.39	1.282	.01	7.8	20	93	0
Bis(2-chloroethyl)ether	1000	860.338	.01	14	20	84	0
n-nitrosodi-n-propylamine	0.879	0.655	.01	25.5*	20	75	0
Hexachloroethane	0.502	0.493	.01	1.8	20	98	0
Nitrobenzene-d5	0.897	1.019	.01	-13.6	20	108	0
Naphthalene-d8	1	1	.01	0	20	97	0
Naphthalene	1.053	0.995	.01	5.5	20	94	0
Hexachlorobutadiene	0.187	0.187	.01	0	20	98	0
2-Methylnaphthalene	0.674	0.676	.01	-0.3	20	98	0
1-Methylnaphthalene	0.627	0.625	.01	0.3	20	98	0
2-Fluorobiphenyl	0.769	0.757	.01	1.6	20	98	0
2-Chloronaphthalene	0.677	0.655	.01	3.2	20	94	0
2,6-Dinitrotoluene	0.092	0.144	.01	-56.5*	20	144	0
Acenaphthylene	1.002	0.996	.01	0.6	20	94	0
Acenaphthene-d10	1	1	.01	0	20	100	0
Acenaphthene	1.308	1.218	.01	6.9	20	96	0
2,4-Dinitrotoluene	1000	1423.121	.01	-42.3*	20	154	0
Fluorene	1.393	1.355	.01	2.7	20	98	0
2,4,6-Tribromophenol	0.184	0.232	.01	-26.1*	20	119	0
Phenanthrene-d10	1	1	.01	0	20	101	0
4,6-Dinitro-o-cresol	1000	1804.104	.01	-80.4*	20	199	0
Hexachlorobenzene	0.263	0.235	.01	10.6	20	92	0
Pentachlorophenol	0.098	0.108	.01	-10.2	20	99	0
Phenanthrene	1.086	1.022	.01	5.9	20	99	0
Anthracene	1.066	1.034	.01	3	20	98	0
Fluoranthene	1.216	1.154	.01	5.1	20	97	0
Pyrene	1.291	1.239	.01	4	20	98	0
4-Terphenyl-d14	0.818	0.823	.01	-0.6	20	105	0
Chrysene-d12	1	1	.01	0	20	100	0
Benzo[a]anthracene	0.392	0.332	.01	15.3	20	93	0
3,3'-Dichlorobenzidine	0.418	0.435	.01	-4.1	20	92	0
Chrysene	1.207	1.166	.01	3.4	20	98	0
Bis(2-ethylhexyl)phthalate	0.696	0.671	.01	3.6	20	91	0
Perylene-d12	1	1	.01	0	20	92	0
Benzo[b]fluoranthene	1.031	1.093	.01	-6	20	95	0
Benzo[k]fluoranthene	1.093	1.122	.01	-2.7	20	90	0
Benzo[a]pyrene	0.911	0.958	.01	-5.2	20	90	0
Indeno[1,2,3-cd]pyrene	0.849	0.867	.01	-2.1	20	83	0
Dibenzo[a,h]anthracene	0.865	0.915	.01	-5.8	20	89	0
Benzo[g,h,i]perylene	0.89	0.885	.01	0.6	20	87	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\241210RVT\
Data File : ccv1210.D
Acq On : 10 Dec 2024 06:12 am
Operator : SV118:kmh
Sample : wg2007182-3,32,,ICV 10884 (1130a)
Misc : wg2007182,,ical21646
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 10 06:28:47 2024
Quant Method : I:\8270SIM\SV118\241210RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 10 06:30:18 2024
Response via : Initial Calibration

Min. RRF : 0.010 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	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	s	2-Fluorophenol	1.131	1.072	5.2	97	0.00
3	s	Phenol-d6	1.390	1.282	7.8	93	0.00
4	T	Bis(2-chloroethyl)ether	*1000.000	860.338	14.0	84	0.00
5	T	n-nitrosodi-n-propylamine	0.879	0.655	25.5#	75	0.00
6	t	Hexachloroethane	0.502	0.493	1.8	98	0.00
7	s	Nitrobenzene-d5	0.897	1.019	-13.6	108	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	97	0.00
9	t	Naphthalene	1.053	0.995	5.5	94	0.00
10	t	Hexachlorobutadiene	0.187	0.187	0.0	98	0.00
11	t	2-Methylnaphthalene	0.674	0.676	-0.3	98	0.00
12	t	1-Methylnaphthalene	0.627	0.625	0.3	98	0.00
13	s	2-Fluorobiphenyl	0.769	0.757	1.6	98	0.00
14	t	2-Chloronaphthalene	0.677	0.655	3.2	94	0.00
15	t	2,6-Dinitrotoluene	0.092	0.144	-56.5#	144	0.00
16	t	Acenaphthylene	1.002	0.996	0.6	94	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
18	t	Acenaphthene	1.308	1.218	6.9	96	0.00
19	t	2,4-Dinitrotoluene	*1000.000	1423.121	-42.3#	154	0.00
20	t	Fluorene	1.393	1.355	2.7	98	0.00
21	s	2,4,6-Tribromophenol	0.184	0.232	-26.1#	119	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	101	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	1804.104	-80.4#	199	0.00
24	t	Hexachlorobenzene	0.263	0.235	10.6	92	0.00
25	t	Pentachlorophenol	0.098	0.108	-10.2	99	0.00
26	t	Phenanthrene	1.086	1.022	5.9	99	0.00
27	t	Anthracene	1.066	1.034	3.0	98	0.00
28	t	Fluoranthene	1.216	1.154	5.1	97	0.00
29	t	Pyrene	1.291	1.239	4.0	98	0.00
30	s	4-Terphenyl-d14	0.818	0.823	-0.6	105	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	100	0.00
32	t	Benzo[a]anthracene	0.392	0.332	15.3	93	0.00
33	t	3,3'-Dichlorobenzidine	0.418	0.435	-4.1	92	0.00
34	t	Chrysene	1.207	1.166	3.4	98	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.696	0.671	3.6	91	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\241210RVT\
Data File : ccv1210.D
Acq On : 10 Dec 2024 06:12 am
Operator : SV118:kmh
Sample : wg2007182-3,32,,ICV 10884 (1130a)
Misc : wg2007182,,ical21646
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 10 06:28:47 2024
Quant Method : I:\8270SIM\SV118\241210RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 10 06:30:18 2024
Response via : Initial Calibration

Min. RRF : 0.010 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)
36	i	Perylene-d12	1.000	1.000	0.0	92	0.00
37	t	Benzo[b]fluoranthene	1.031	1.093	-6.0	95	0.00
38	t	Benzo[k]fluoranthene	1.093	1.122	-2.7	90	0.00
39	t	Benzo[a]pyrene	0.911	0.958	-5.2	90	0.00
40	t	Indeno[1,2,3-cd]pyrene	0.849	0.867	-2.1	83	0.00
41	t	Dibenzo[a,h]anthracene	0.865	0.915	-5.8	89	0.00
42	t	Benzo[g,h,i]perylene	0.890	0.885	0.6	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:\8270SIM\SV118\241210RVT\
Data File : ccv1210.D
Acq On : 10 Dec 2024 06:12 am
Operator : SV118:kmh
Sample : wg2007182-3,32,,ICV 10884 (1130a)
Misc : wg2007182,,ical21646
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 10 06:28:47 2024
Quant Method : I:\8270SIM\SV118\241210RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 10 06:30:18 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	2.228	152	429278	4000.000	ng/ml		0.00
8) Naphthalene-d8	2.897	136	1519752	4000.000	ng/ml		0.00
17) Acenaphthene-d10	3.875	164	864221	4000.000	ng/ml		0.00
22) Phenanthrene-d10	4.715	188	1771774	4000.000	ng/ml	#	0.00
31) Chrysene-d12	6.256	240	1693454	4000.000	ng/ml		0.00
36) Perylene-d12	7.457	264	1654379	4000.000	ng/ml		0.00
System Monitoring Compounds							
2) 2-Fluorophenol	1.636	112	115012	947.614	ng/ml		0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.38%				
3) Phenol-d6	2.040	99	137540	922.224	ng/ml		0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.11%				
7) Nitrobenzene-d5	2.509	82	109409	1136.285	ng/ml		0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 113.63%				
13) 2-Fluorobiphenyl	3.497	172	287766	984.776	ng/ml		0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 98.48%				
21) 2,4,6-Tribromophenol	4.320	330	50149	1259.312	ng/ml		0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 62.97%				
30) 4-Terphenyl-d14	5.624	244	364448	1005.325	ng/ml		0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 100.53%				
Target Compounds							Qvalue
4) Bis(2-chloroethyl)ether	2.091	93	109462	860.338	ng/ml		92
5) n-nitrosodi-n-propylamine	2.430	70	70244	744.720	ng/ml	#	86
6) Hexachloroethane	2.488	117	52874	981.714	ng/ml		93
9) Naphthalene	2.905	128	378111	945.139	ng/ml		100
10) Hexachlorobutadiene	2.980	225	70923	998.837	ng/ml		100
11) 2-Methylnaphthalene	3.289	142	256924	1002.651	ng/ml		98
12) 1-Methylnaphthalene	3.344	142	237323	995.517	ng/ml		99
14) 2-Chloronaphthalene	3.559	162	248735	967.153	ng/ml		89
15) 2,6-Dinitrotoluene	3.756	165	54614	1568.947	ng/ml		96
16) Acenaphthylene	3.795	152	378234	993.459	ng/ml		100
18) Acenaphthene	3.893	153	263163	931.482	ng/ml		99
19) 2,4-Dinitrotoluene	3.984	165	76912	1423.121	ng/ml		96
20) Fluorene	4.181	166	292740	972.584	ng/ml		100
23) 4,6-Dinitro-o-cresol	4.213	198	40783	1804.104	ng/ml		89
24) Hexachlorobenzene	4.501	284	104107	892.473	ng/ml		99
25) Pentachlorophenol	4.612	266	47645	1098.087	ng/ml		100
26) Phenanthrene	4.726	178	452715	941.234	ng/ml		100
27) Anthracene	4.754	178	458024	970.346	ng/ml		99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241210RVT\
Data File : ccv1210.D
Acq On : 10 Dec 2024 06:12 am
Operator : SV118:kmh
Sample : wg2007182-3,32,,ICV 10884 (1130a)
Misc : wg2007182,,ical21646
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 10 06:28:47 2024
Quant Method : I:\8270SIM\SV118\241210RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 10 06:30:18 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.403	202	511090	949.266	ng/ml#	93
29) Pyrene	5.534	202	548720	959.411	ng/ml	99
32) Benzo[a]anthracene	6.247	226	140488	847.111	ng/ml#	100
33) 3,3'-Dichlorobenzidine	6.232	252	184202	1041.971	ng/ml	98
34) Chrysene	6.270	228	493687	966.406	ng/ml#	100
35) Bis(2-ethylhexyl)phtha...	6.272	149	284203	964.751	ng/ml	96
37) Benzo[b]fluoranthene	7.081	252	452072	1059.896	ng/ml	99
38) Benzo[k]fluoranthene	7.105	252	463902	1025.811	ng/ml	100
39) Benzo[a]pyrene	7.390	252	396293	1051.670	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.672	276	358456	1020.361	ng/ml#	81
41) Dibenzo[a,h]anthracene	8.706	278	378549M6	1058.548	ng/ml	
42) Benzo[g,h,i]perylene	9.010	276	365984	993.810	ng/ml#	79

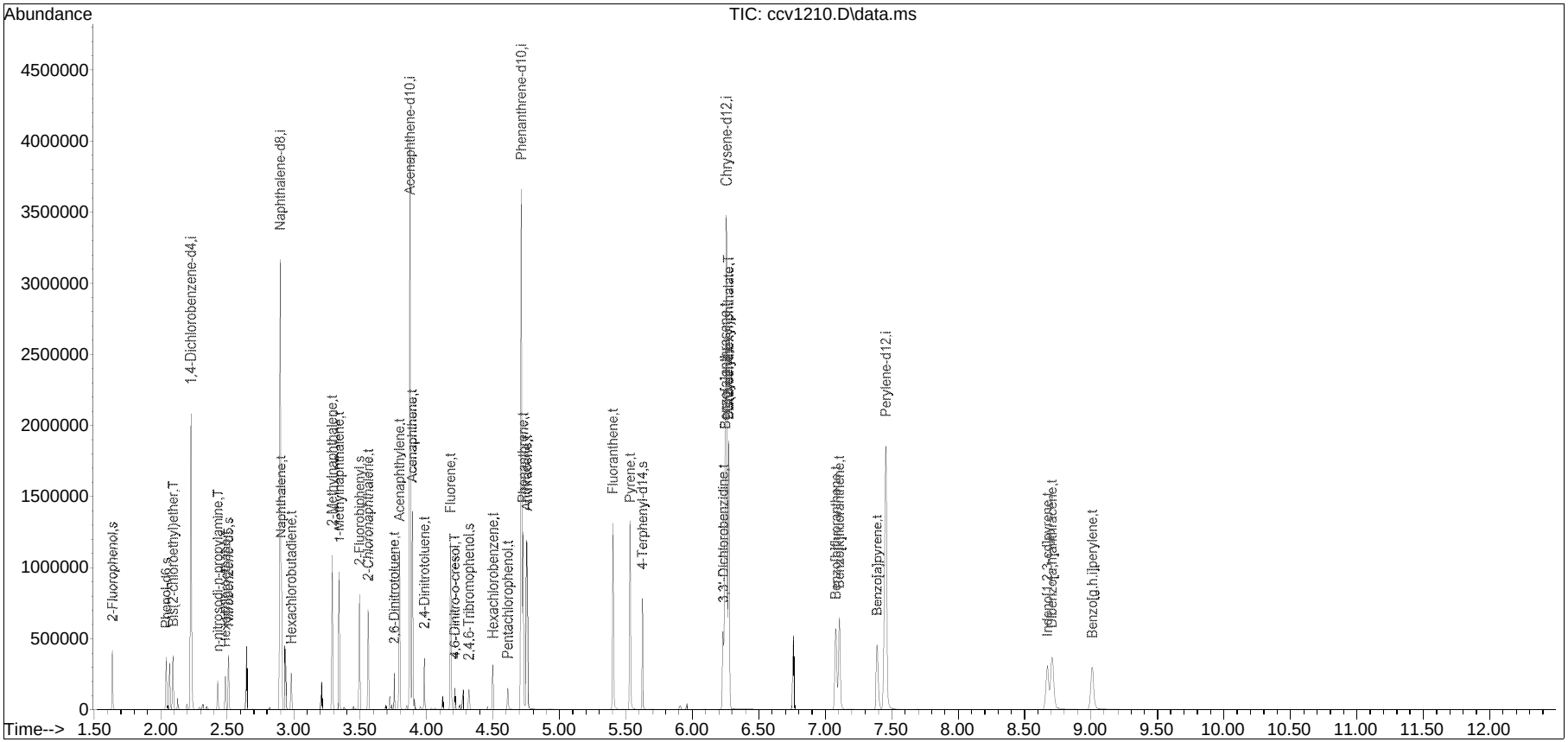
(#) = qualifier out of range (m) = manual integration (+) = signals summed

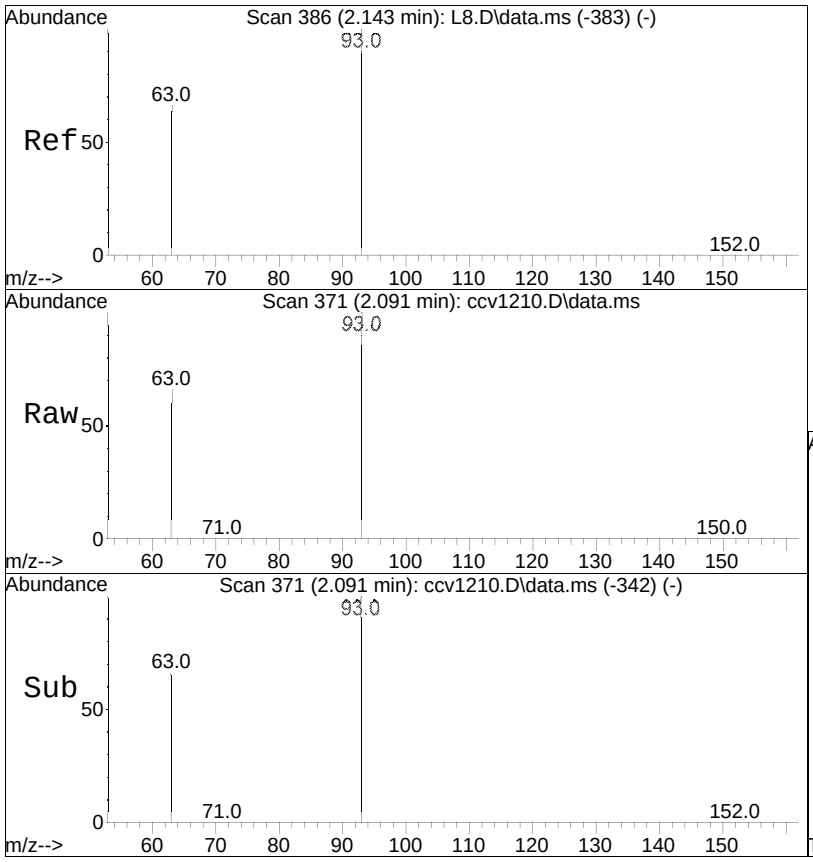
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\241210RVT\
Data File : ccv1210.D
Acq On : 10 Dec 2024 06:12 am
Operator : SV118:kmh
Sample : wg2007182-3,32,,ICV 10884 (1130a)
Misc : wg2007182,,ical21646
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 10 06:28:47 2024
Quant Method : I:\8270SIM\SV118\241210RVT\SIM-RVT_241025sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 10 06:30:18 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

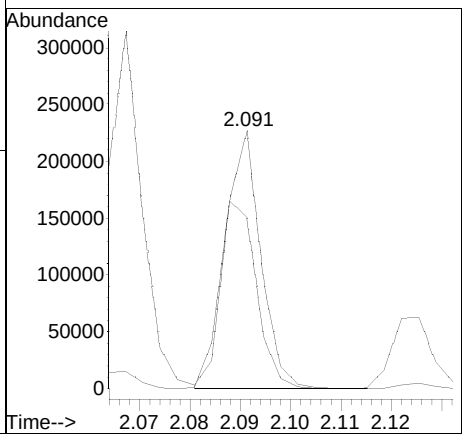


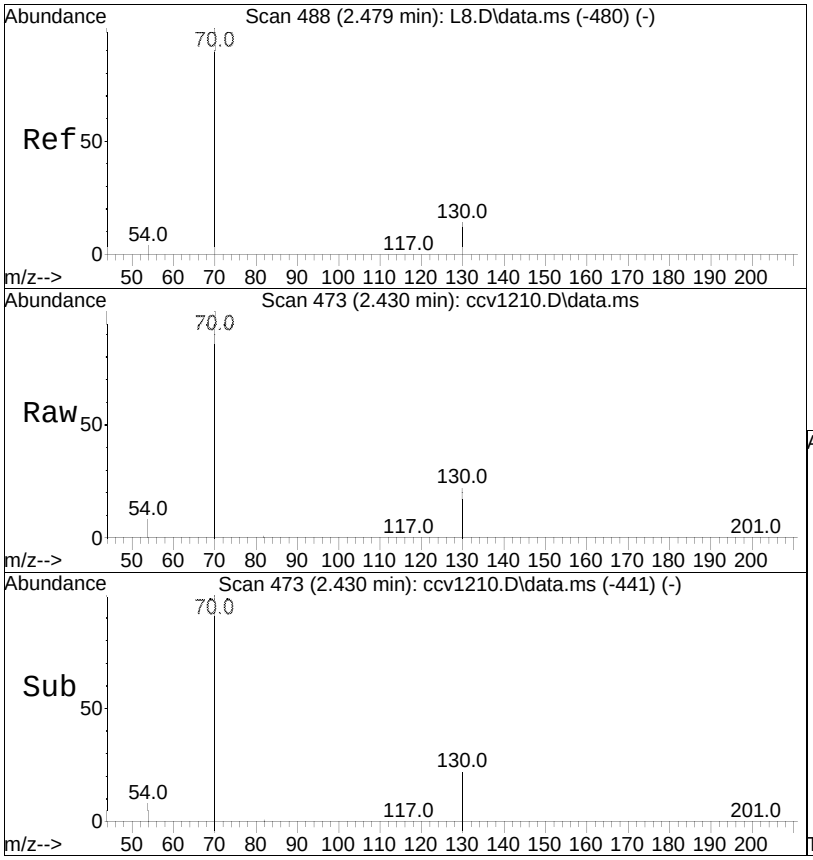


#4
Bis(2-chloroethyl)ether
Concen: 860.34 ng/ml
RT: 2.091 min Scan# 371
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion: 93 Resp: 109462

Ion	Ratio	Lower	Upper
93	100		
63	77.9	68.1	102.1

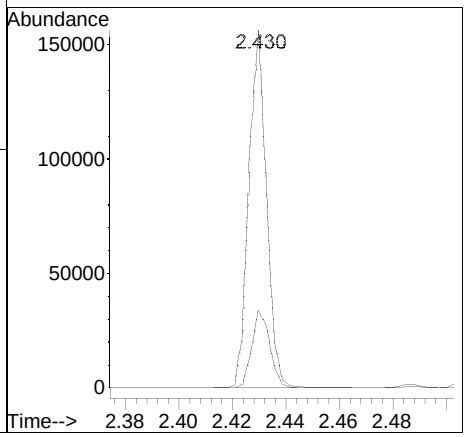


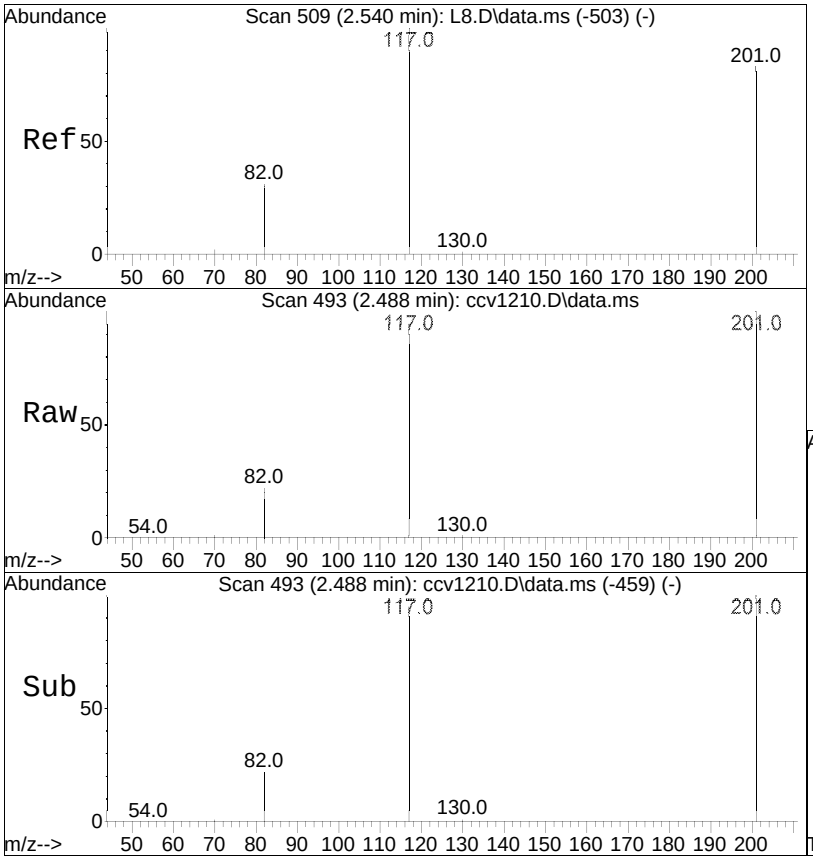


#5
n-nitrosodi-n-propylamine
Concen: 744.72 ng/ml
RT: 2.430 min Scan# 473
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion: 70 Resp: 70244

Ion	Ratio	Lower	Upper
70	100		
130	22.1	13.0	19.4#

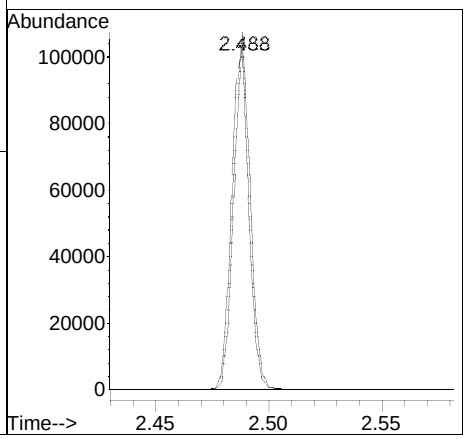


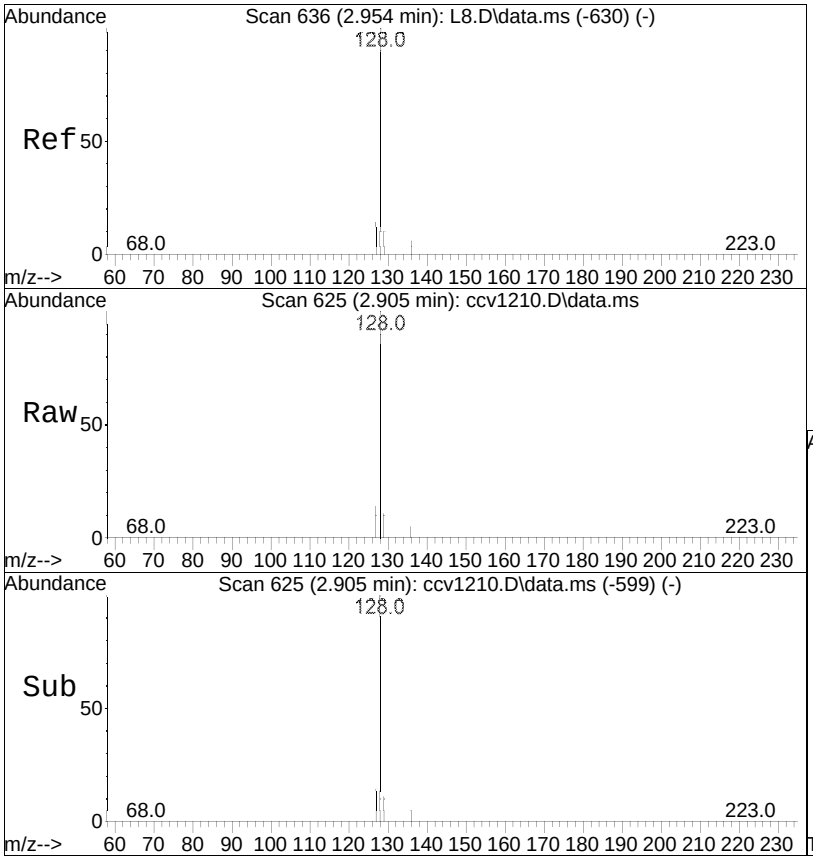


#6
Hexachloroethane
Concen: 981.71 ng/ml
RT: 2.488 min Scan# 493
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:117 Resp: 52874

Ion	Ratio	Lower	Upper
117	100		
201	98.9	84.9	127.3

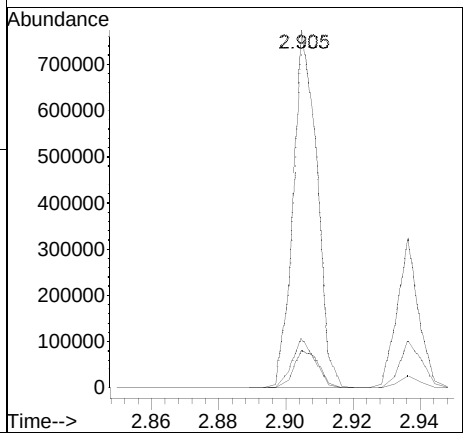


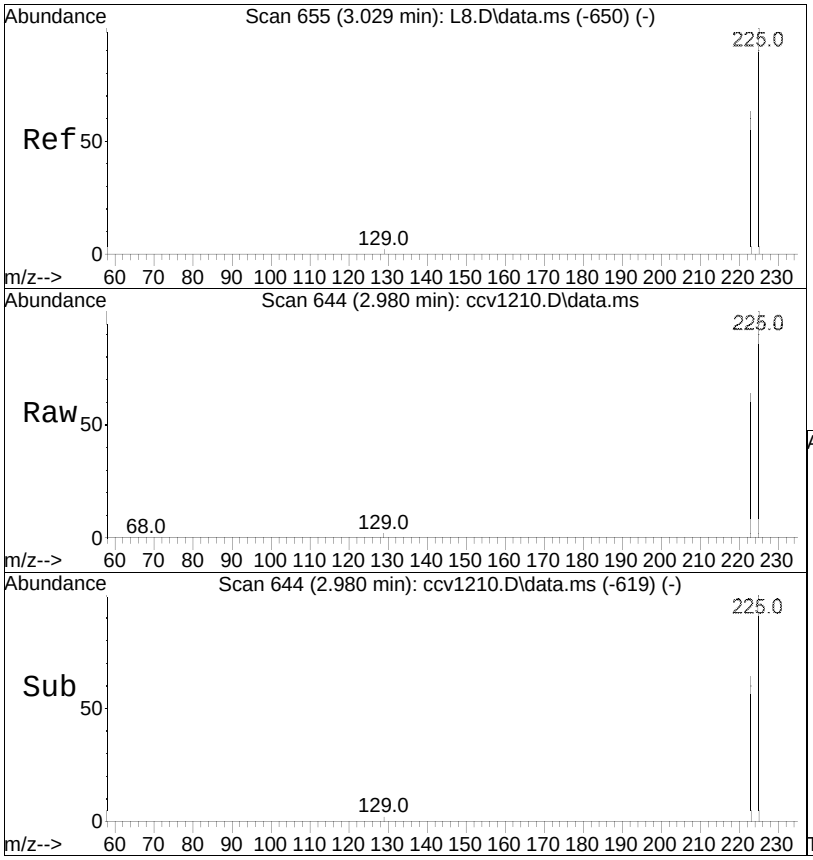


#9
Naphthalene
Concen: 945.14 ng/ml
RT: 2.905 min Scan# 625
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:128 Resp: 378111

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.3	10.7	16.1

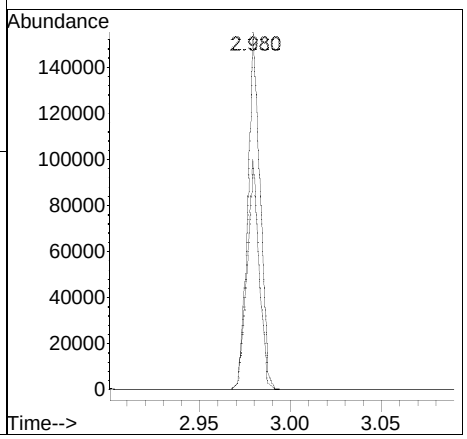


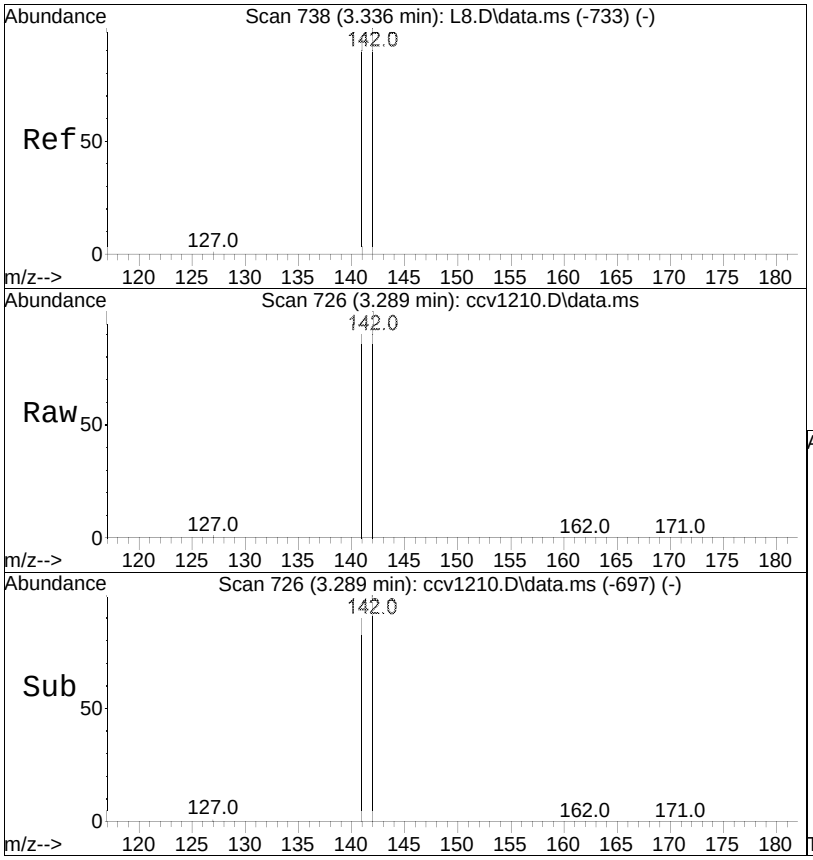


#10
Hexachlorobutadiene
Concen: 998.84 ng/ml
RT: 2.980 min Scan# 644
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:225 Resp: 70923

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6

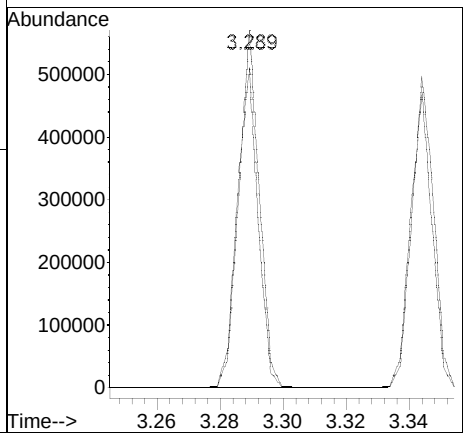


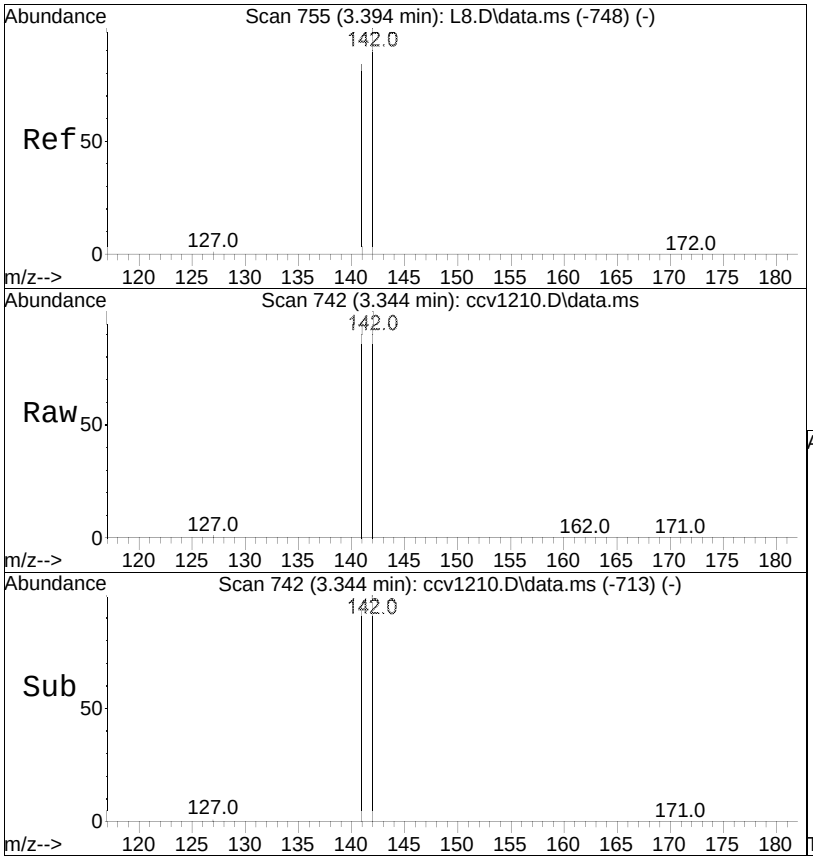


#11
2-Methylnaphthalene
Concen: 1002.65 ng/ml
RT: 3.289 min Scan# 726
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:142 Resp: 256924

Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.8	107.8

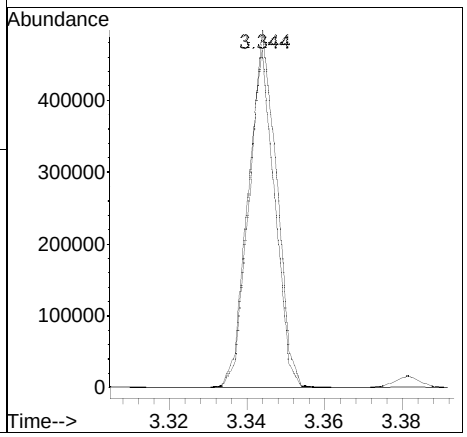


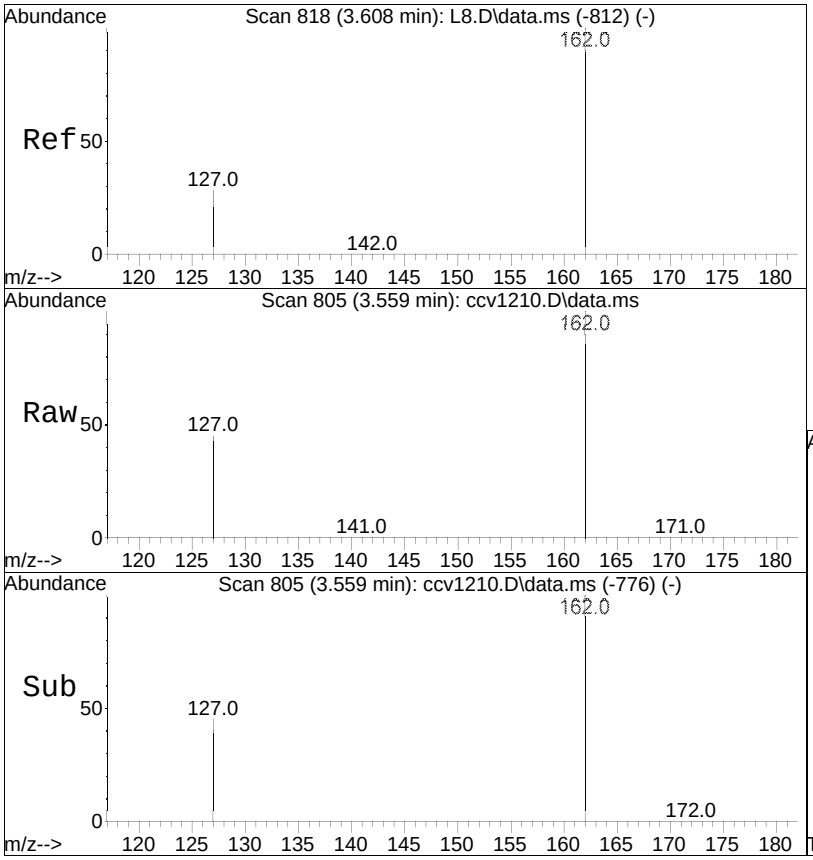


#12
1-Methylnaphthalene
Concen: 995.52 ng/ml
RT: 3.344 min Scan# 742
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:142 Resp: 237323

Ion	Ratio	Lower	Upper
142	100		
141	93.8	74.6	111.8

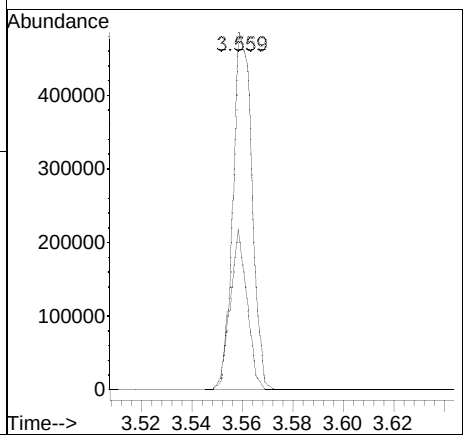


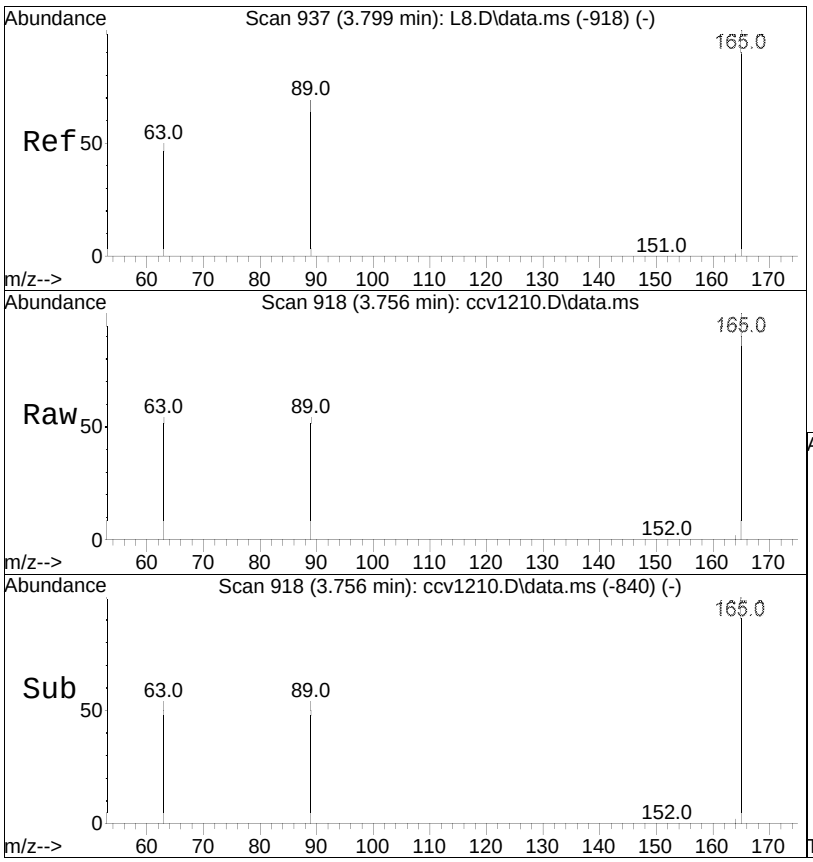


#14
2-Chloronaphthalene
Concen: 967.15 ng/ml
RT: 3.559 min Scan# 805
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:162 Resp: 248735

Ion	Ratio	Lower	Upper
162	100		
127	40.1	26.9	40.3

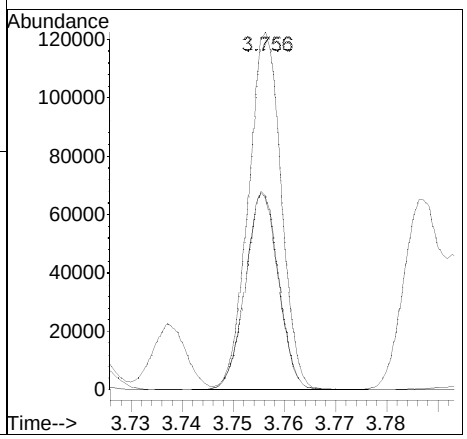


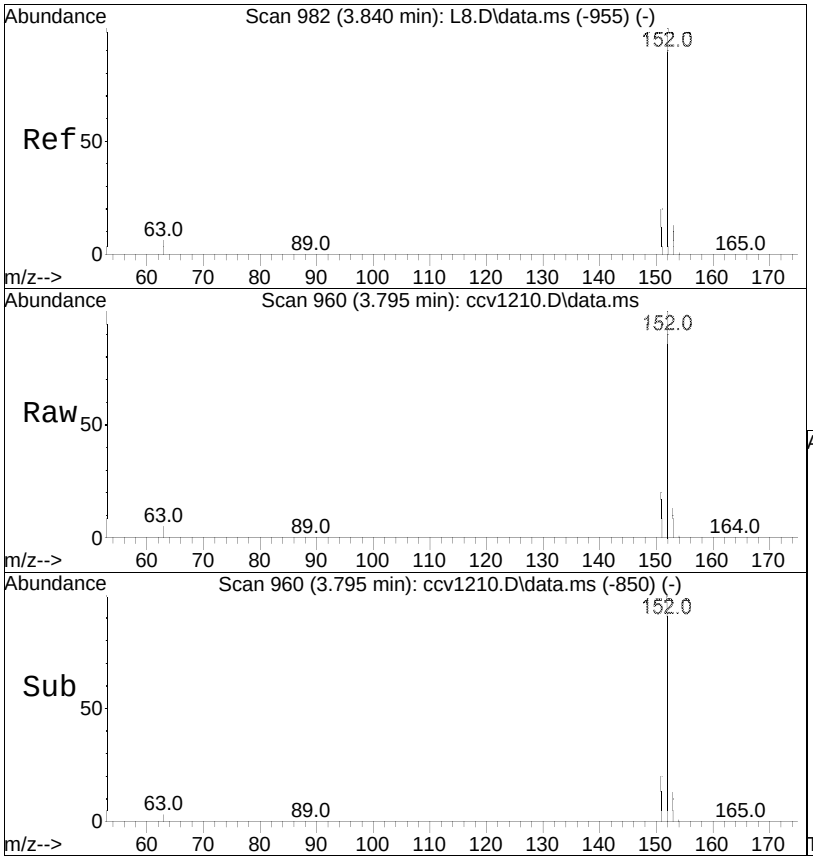


#15
2,6-Dinitrotoluene
Concen: 1568.95 ng/ml
RT: 3.756 min Scan# 918
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:165 Resp: 54614

Ion	Ratio	Lower	Upper
165	100		
89	55.8	44.0	66.0
63	54.9	47.5	71.3

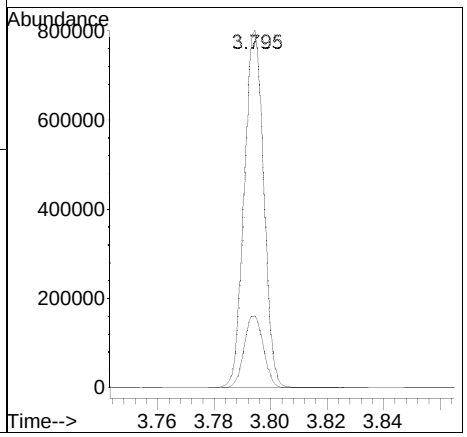


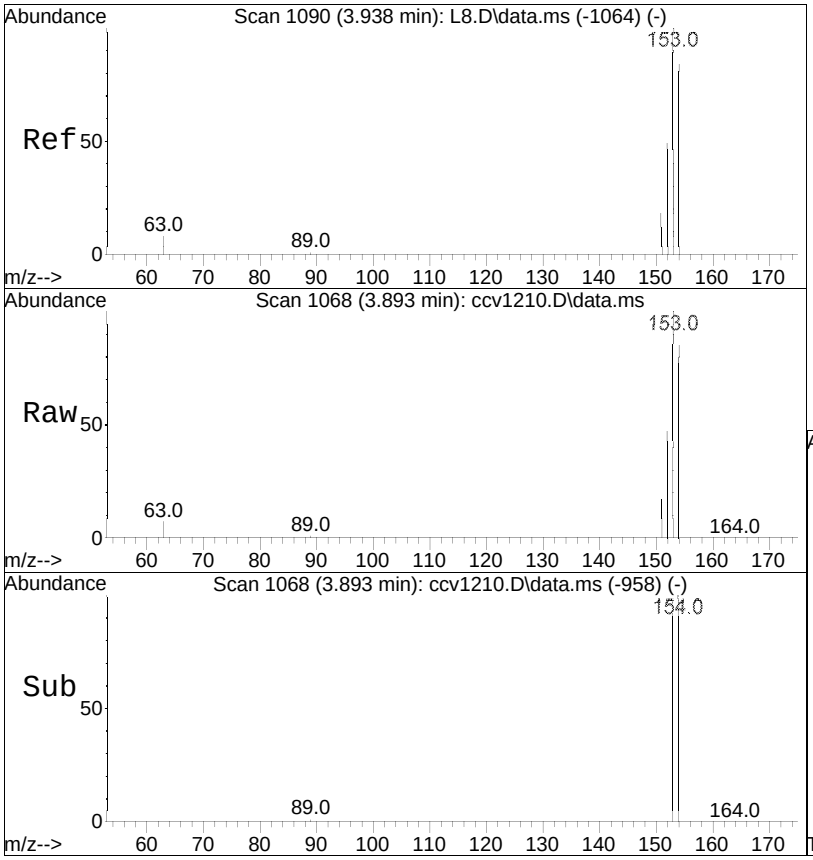


#16
Acenaphthylene
Concen: 993.46 ng/ml
RT: 3.795 min Scan# 960
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:152 Resp: 378234

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2

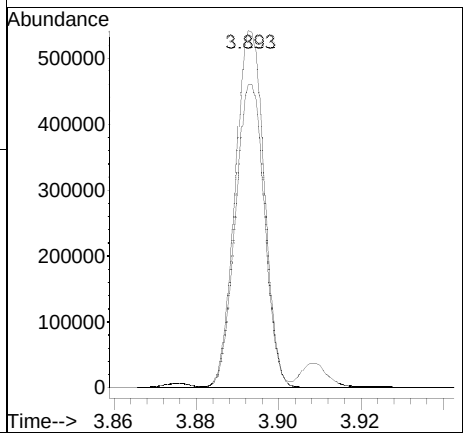


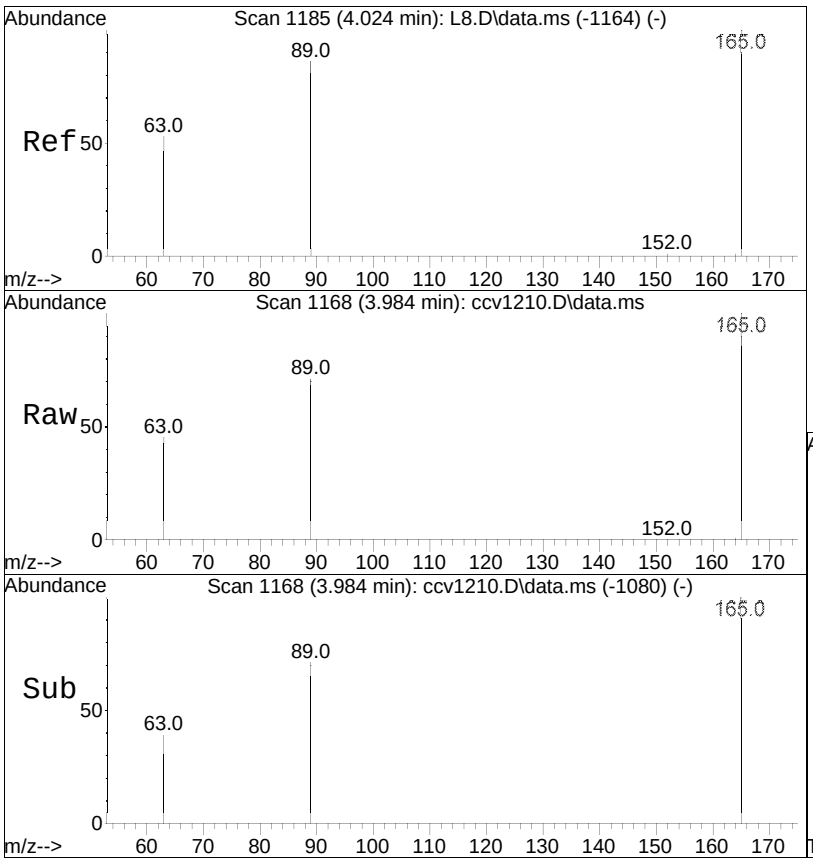


#18
Acenaphthene
Concen: 931.48 ng/ml
RT: 3.893 min Scan# 1068
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:153 Resp: 263163

Ion	Ratio	Lower	Upper
153	100		
154	84.6	68.2	102.4

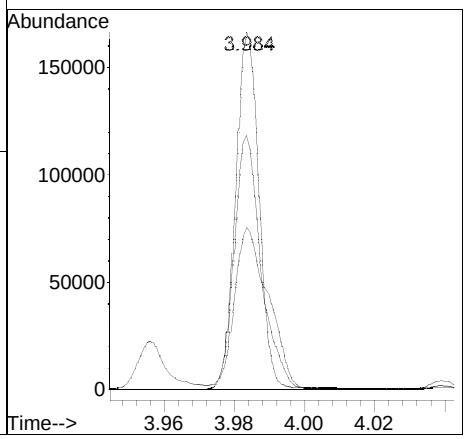


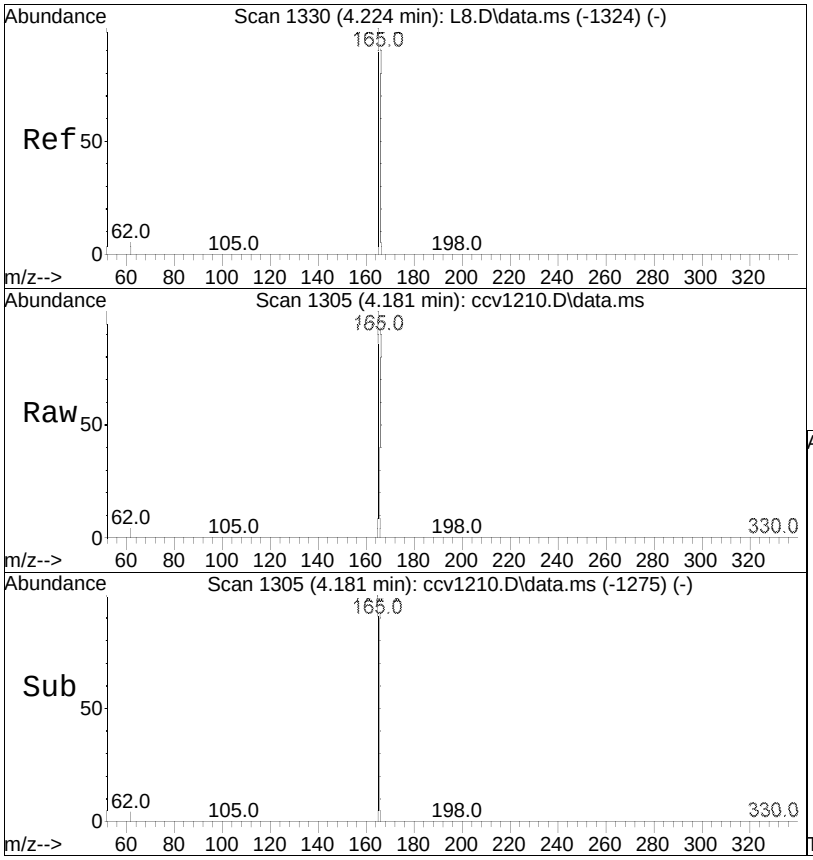


#19
2,4-Dinitrotoluene
Concen: 1423.12 ng/ml
RT: 3.984 min Scan# 1168
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:165 Resp: 76912

Ion	Ratio	Lower	Upper
165	100		
89	81.4	64.6	96.8
63	65.0	56.5	84.7

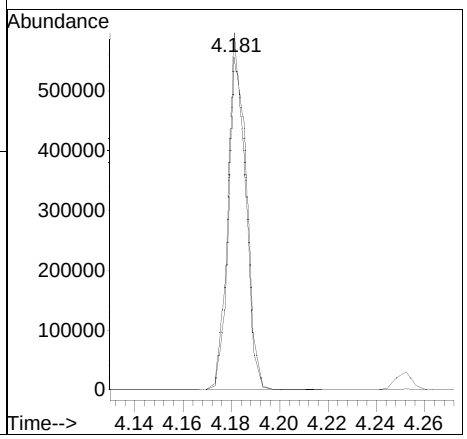


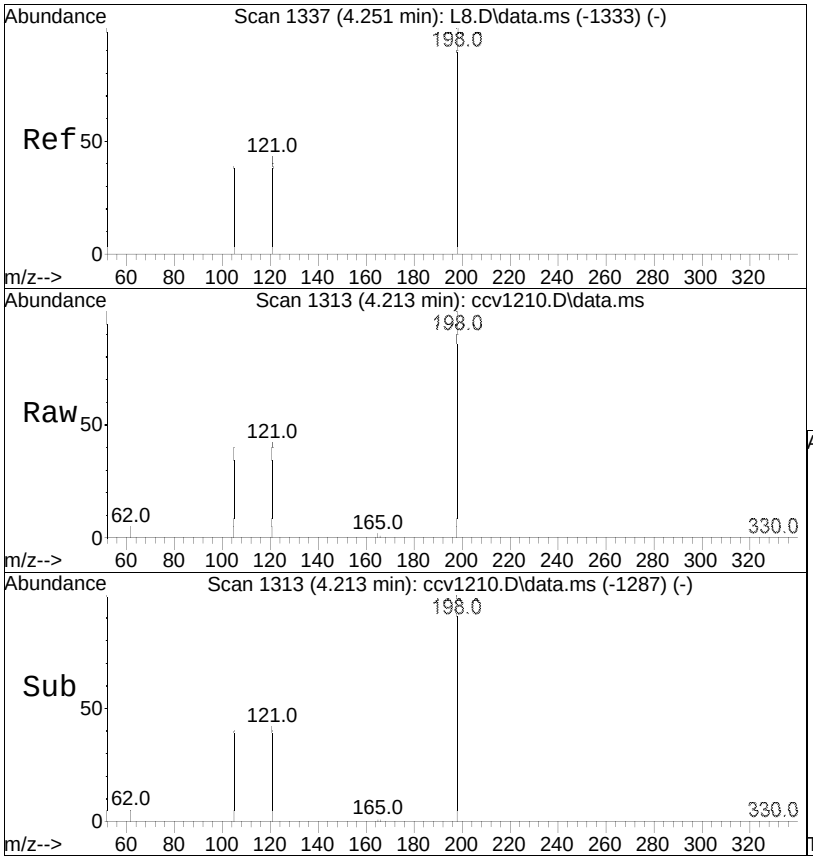


#20
Fluorene
Concen: 972.58 ng/ml
RT: 4.181 min Scan# 1305
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:166 Resp: 292740

Ion	Ratio	Lower	Upper
166	100		
165	100.9	80.5	120.7

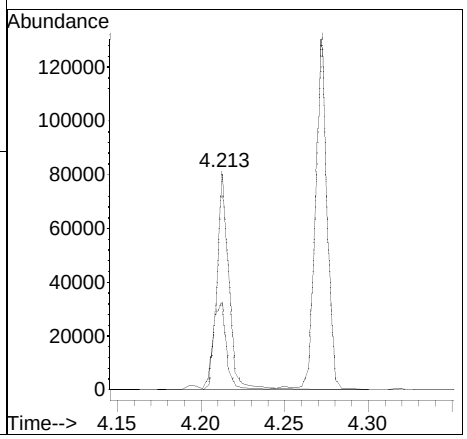


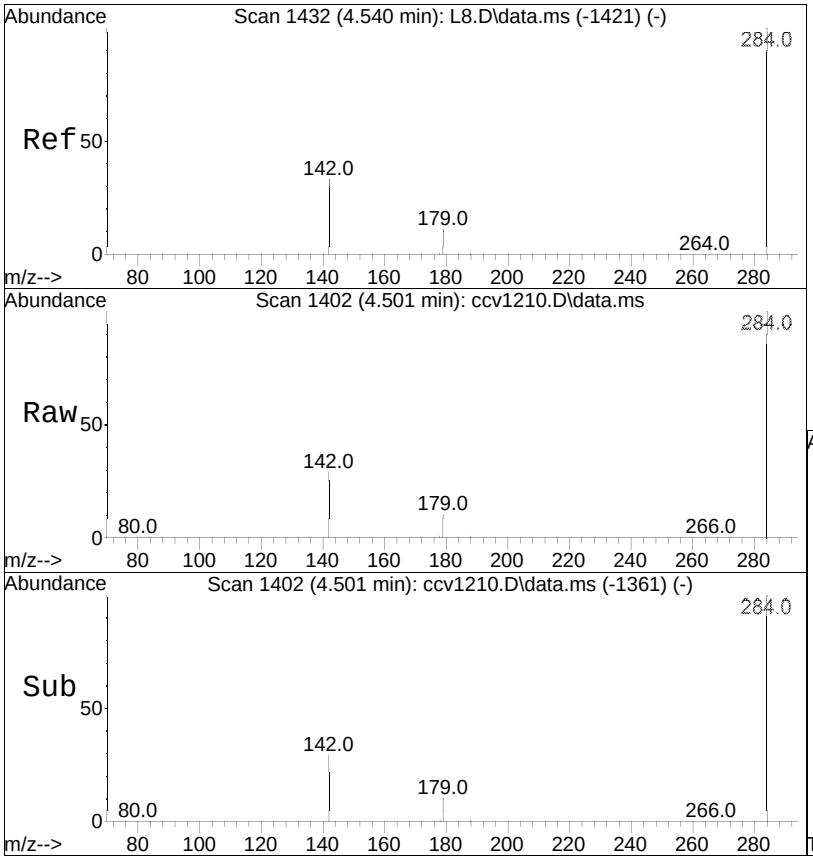


#23
4,6-Dinitro-o-cresol
Concen: 1804.10 ng/ml
RT: 4.213 min Scan# 1313
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:198 Resp: 40783

Ion	Ratio	Lower	Upper
198	100		
105	46.8	31.8	47.6

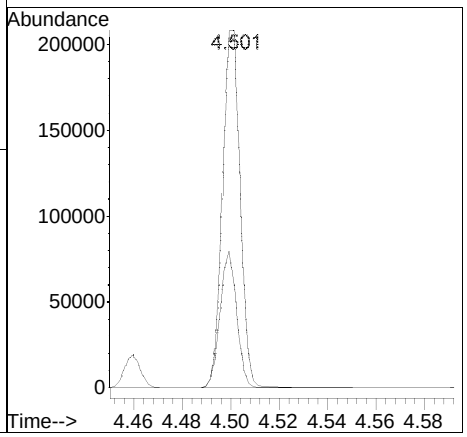


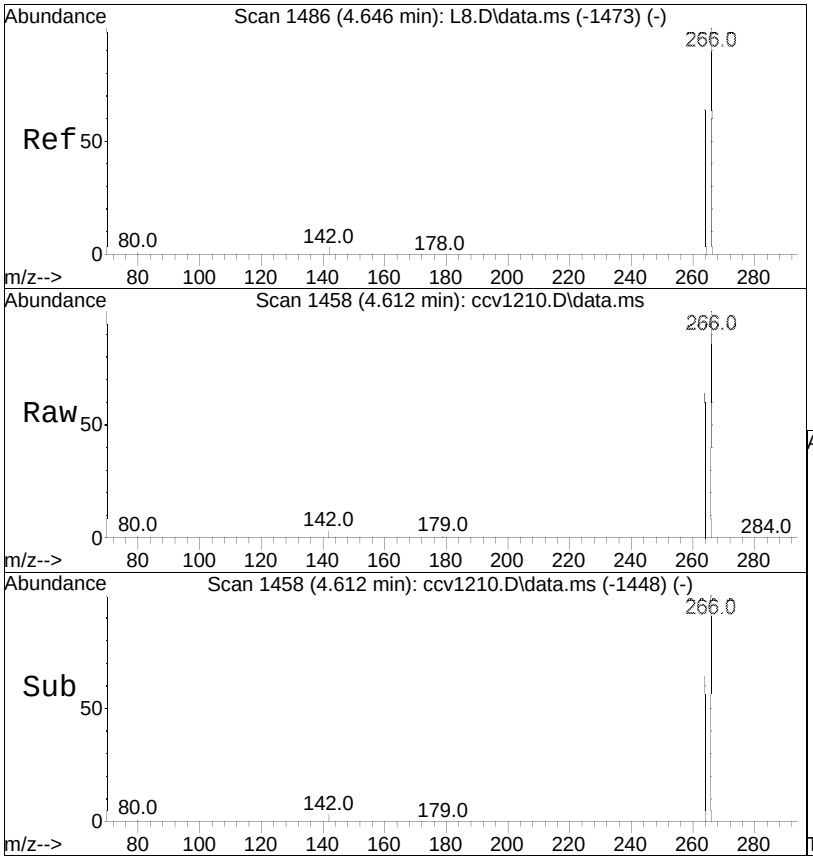


#24
Hexachlorobenzene
Concen: 892.47 ng/ml
RT: 4.501 min Scan# 1402
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:284 Resp: 104107

Ion	Ratio	Lower	Upper
284	100		
142	36.1	28.4	42.6

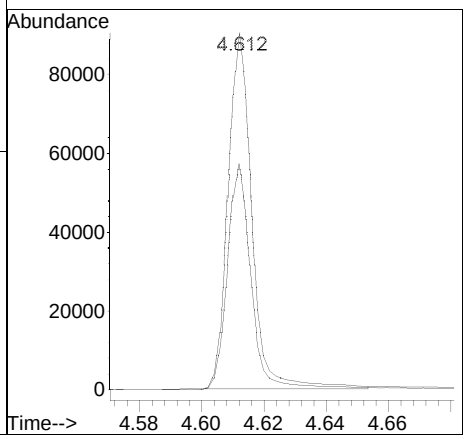


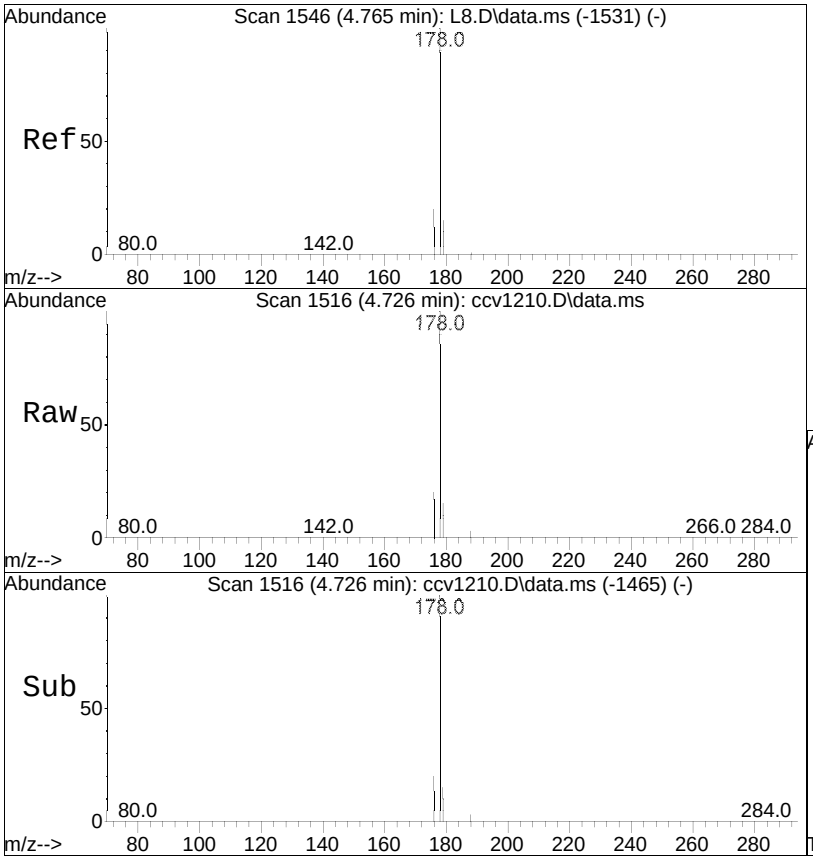


#25
Pentachlorophenol
Concen: 1098.09 ng/ml
RT: 4.612 min Scan# 1458
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:266 Resp: 47645

Ion	Ratio	Lower	Upper
266	100		
264	63.6	50.6	76.0

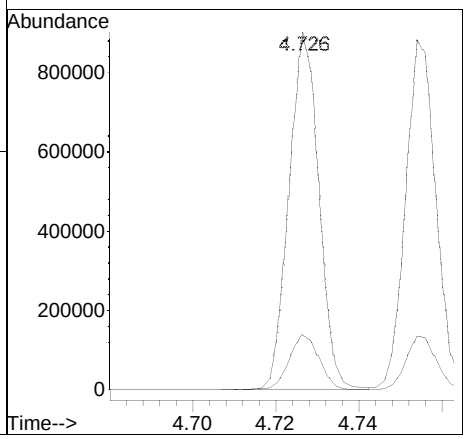


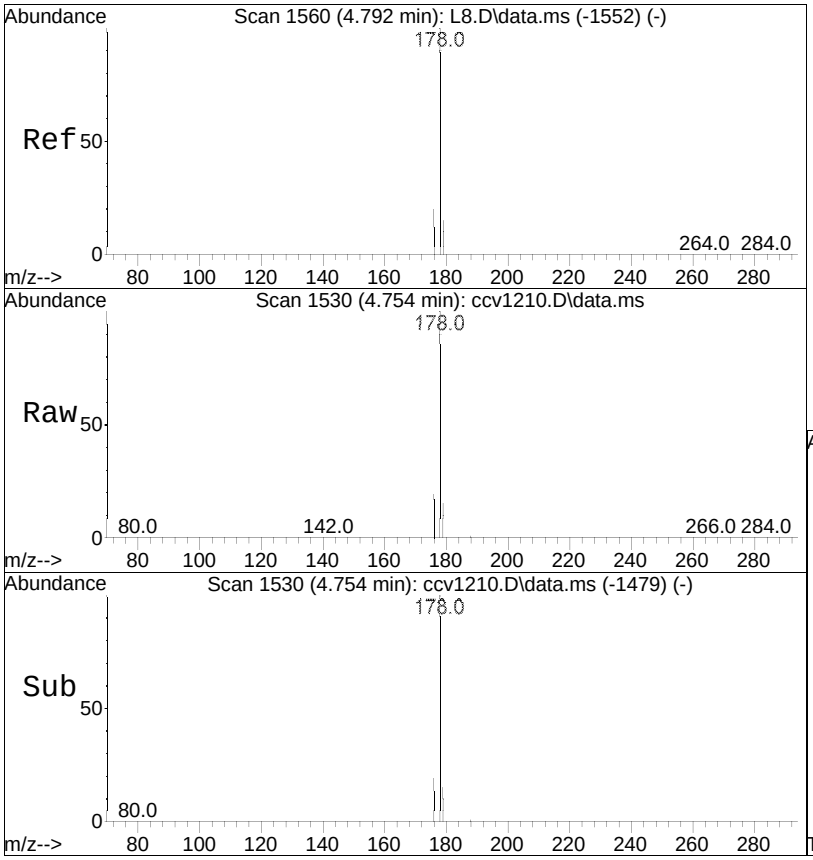


#26
Phenanthrene
Concen: 941.23 ng/ml
RT: 4.726 min Scan# 1516
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:178 Resp: 452715

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.5	18.7

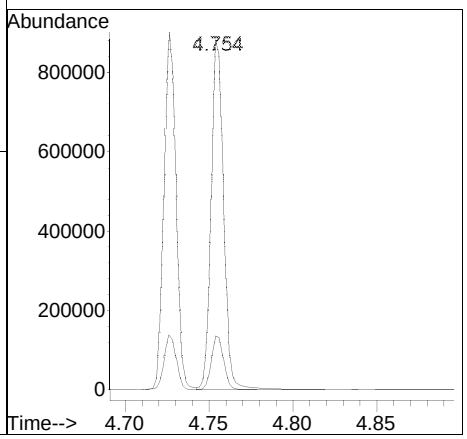


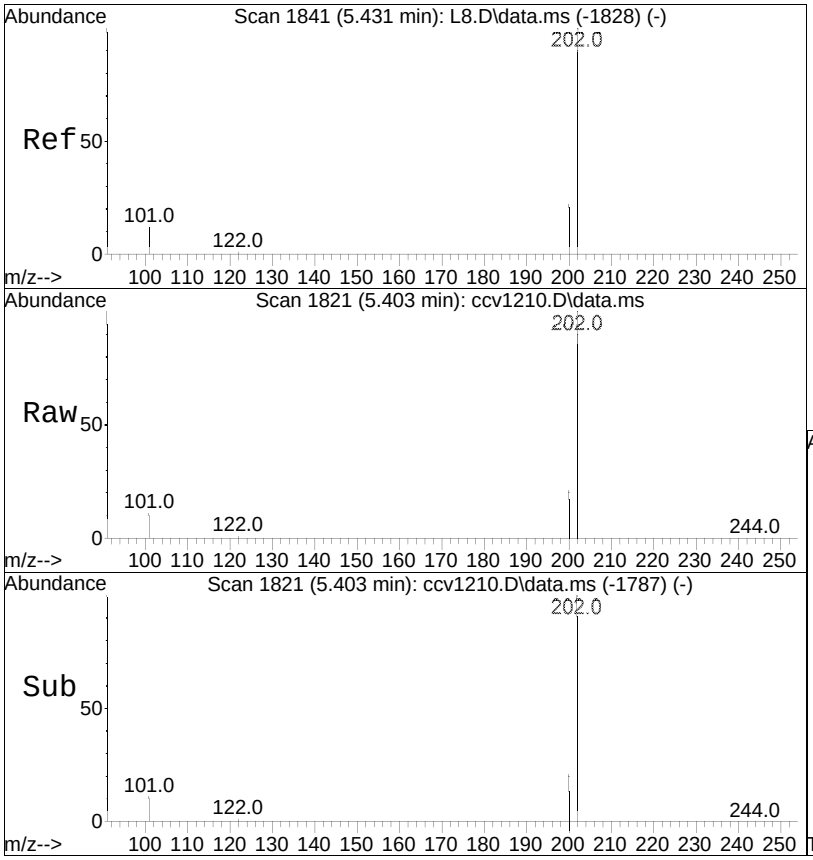


#27
Anthracene
Concen: 970.35 ng/ml
RT: 4.754 min Scan# 1530
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:178 Resp: 458024

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.5	18.7

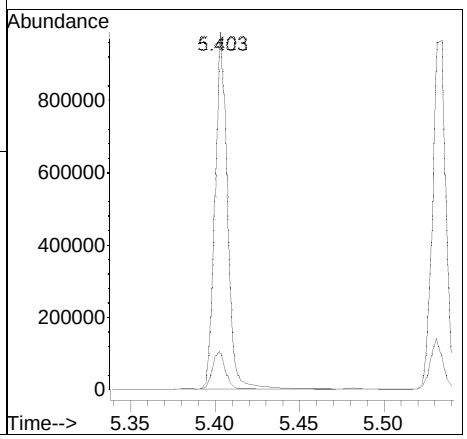


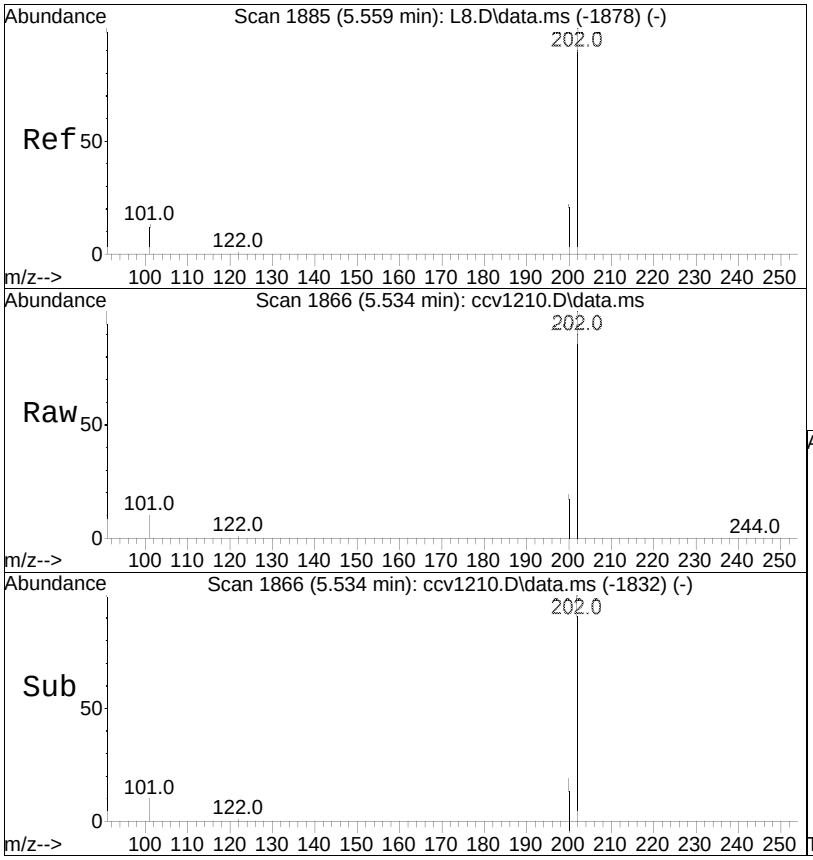


#28
Fluoranthene
Concen: 949.27 ng/ml
RT: 5.403 min Scan# 1821
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:202 Resp: 511090

Ion	Ratio	Lower	Upper
202	100		
101	11.2	6.9	10.3#

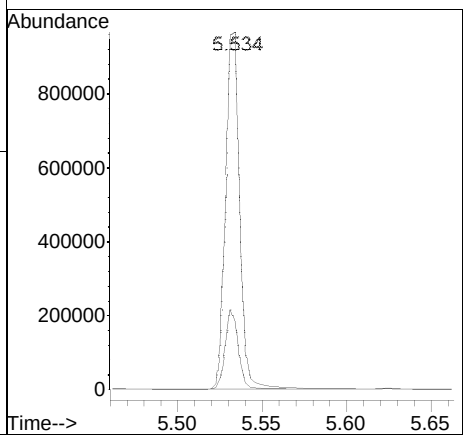


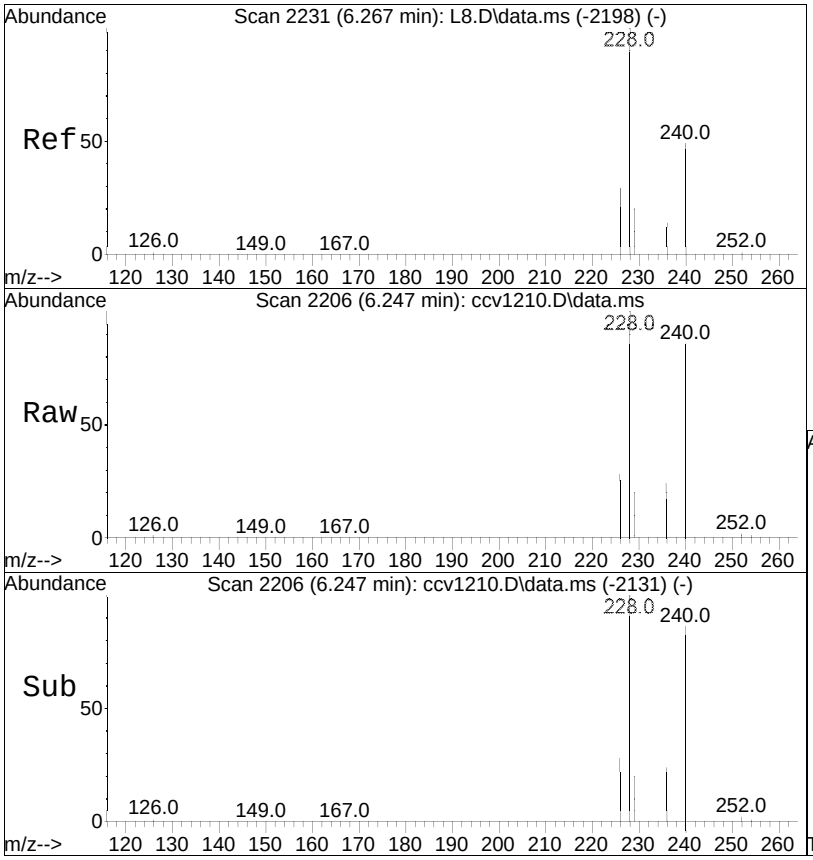


#29
Pyrene
Concen: 959.41 ng/ml
RT: 5.534 min Scan# 1866
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:202 Resp: 548720

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.0

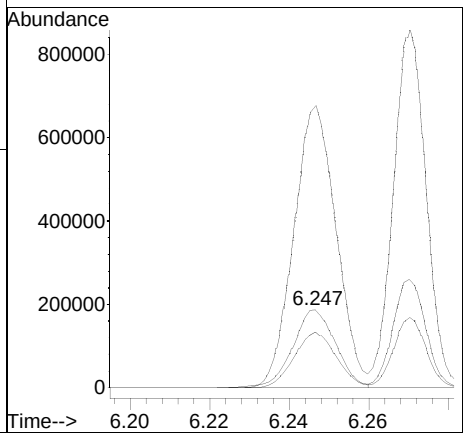


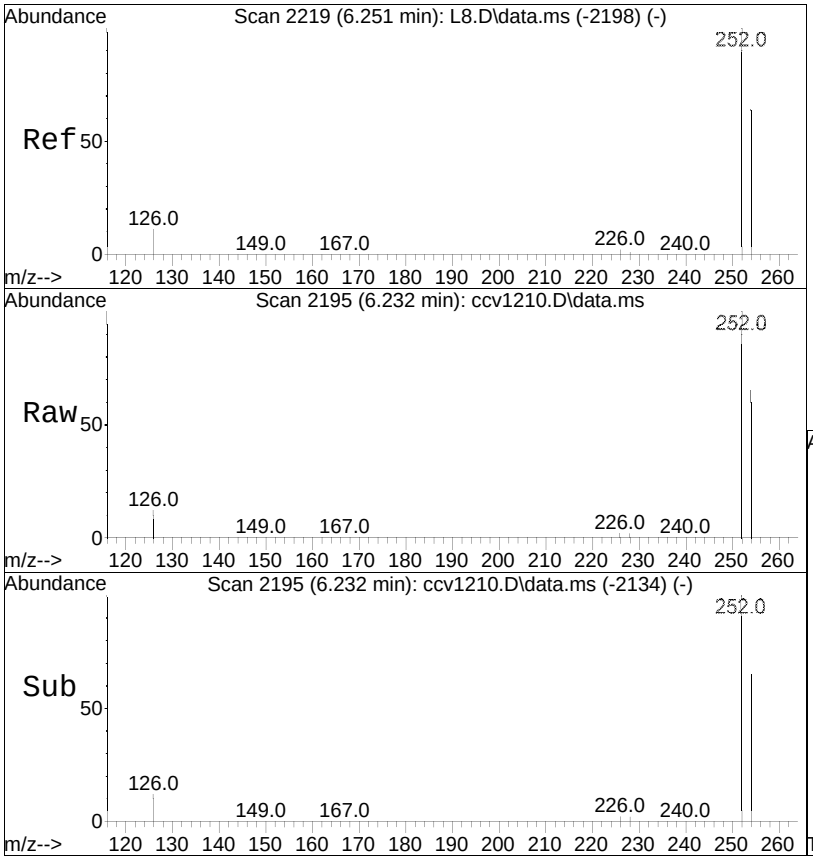


#32
Benzo[a]anthracene
Concen: 847.11 ng/ml
RT: 6.247 min Scan# 2206
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:226 Resp: 140488

Ion	Ratio	Lower	Upper
226	100		
227	0.0	0.0	0.0
228	355.7	284.1	426.1
229	69.8	56.6	85.0

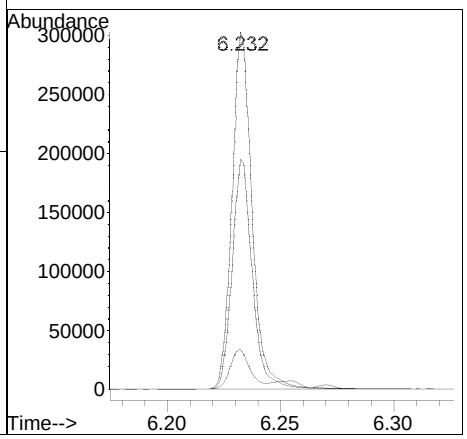


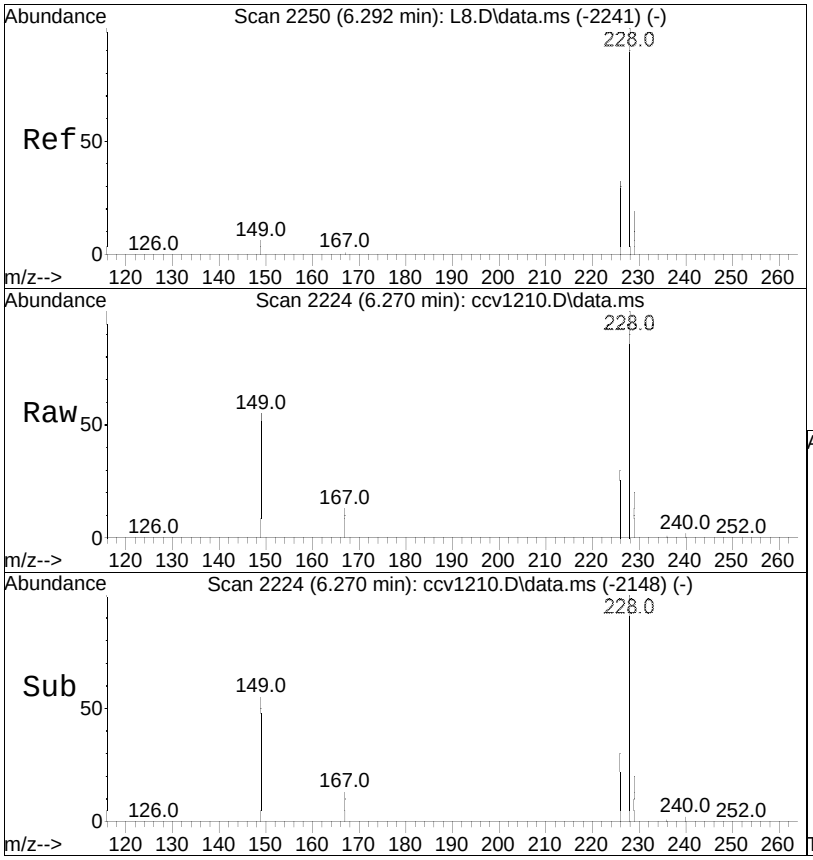


#33
3,3'-Dichlorobenzidine
Concen: 1041.97 ng/ml
RT: 6.232 min Scan# 2195
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:252 Resp: 184202

Ion	Ratio	Lower	Upper
252	100		
126	11.5	11.3	16.9
254	64.7	51.4	77.0

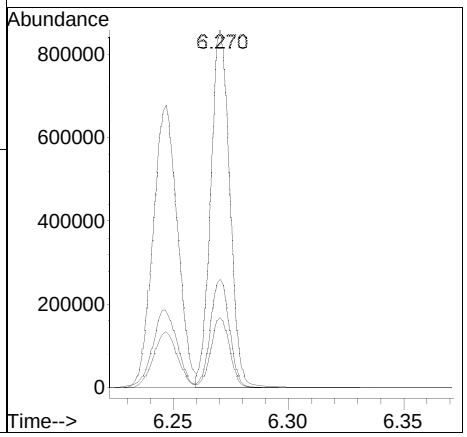


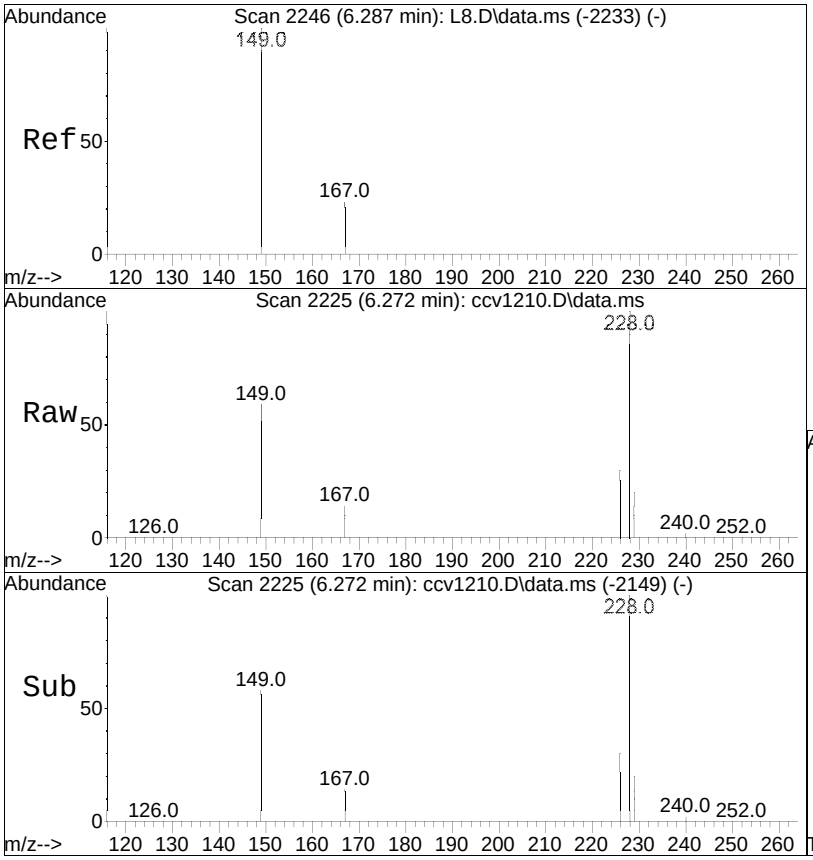


#34
Chrysene
Concen: 966.41 ng/ml
RT: 6.270 min Scan# 2224
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:228 Resp: 493687

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	36.8
227	0.0	0.0	0.0
229	19.5	15.4	23.2

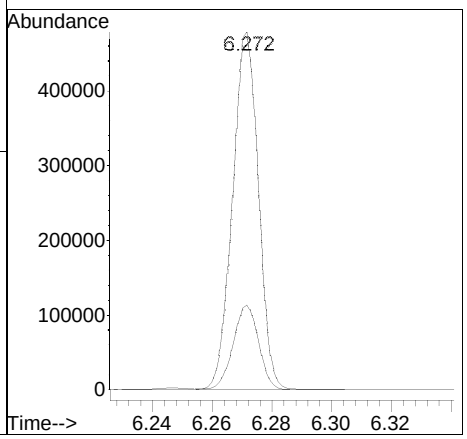


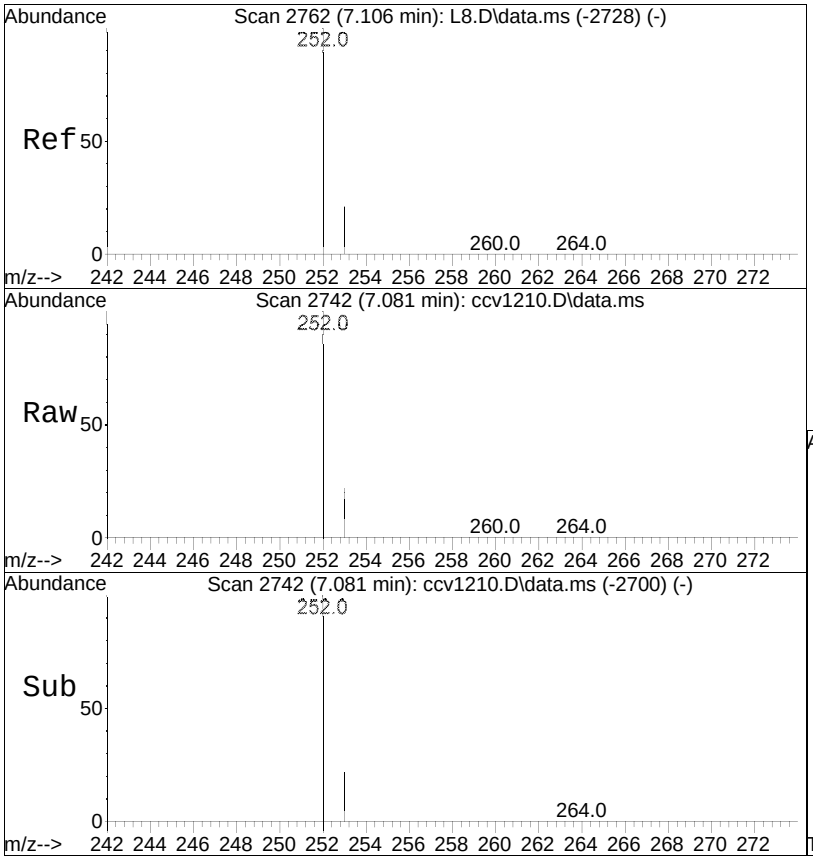


#35
Bis(2-ethylhexyl)phthalate
Concen: 964.75 ng/ml
RT: 6.272 min Scan# 2225
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:149 Resp: 284203

Ion	Ratio	Lower	Upper
149	100		
167	23.7	20.6	31.0

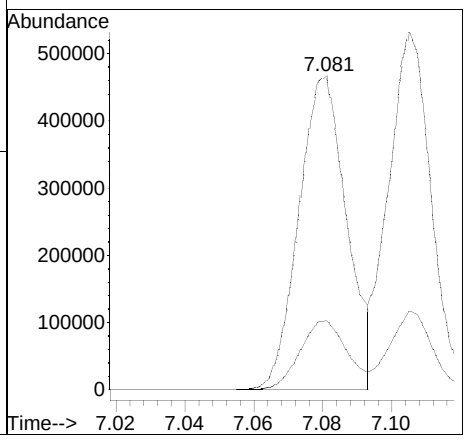


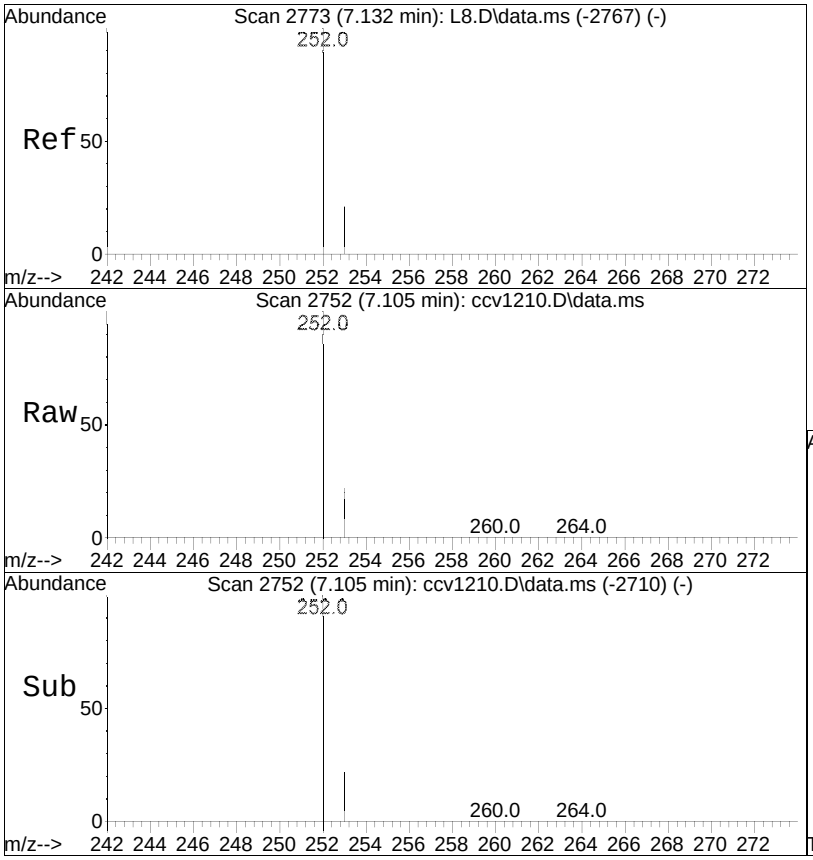


#37
Benzo[b]fluoranthene
Concen: 1059.90 ng/ml
RT: 7.081 min Scan# 2742
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:252 Resp: 452072

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4

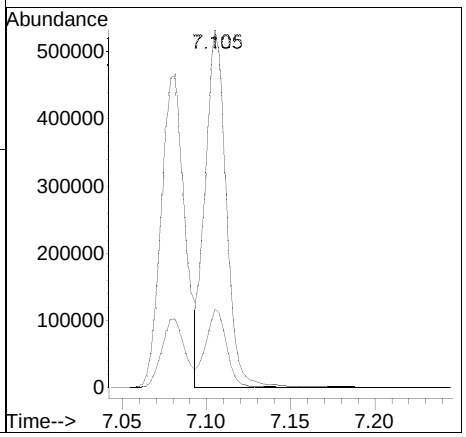


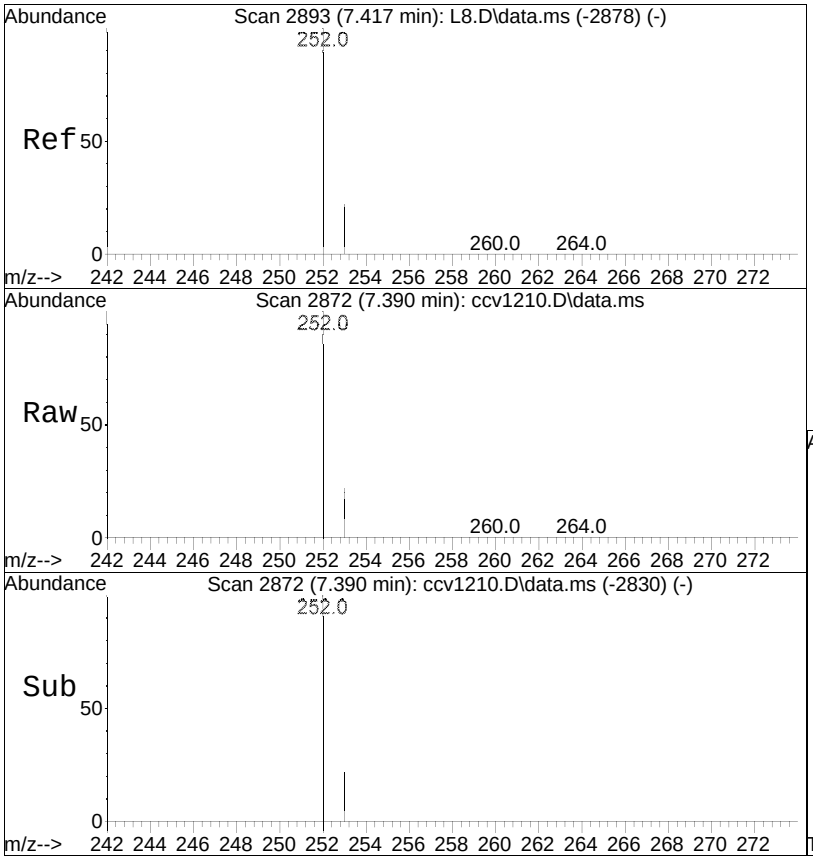


#38
Benzo[k]fluoranthene
Concen: 1025.81 ng/ml
RT: 7.105 min Scan# 2752
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:252 Resp: 463902

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4

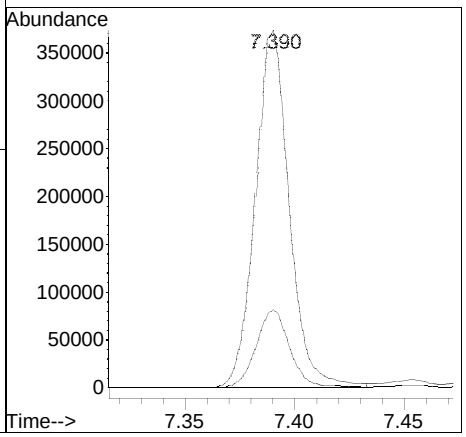


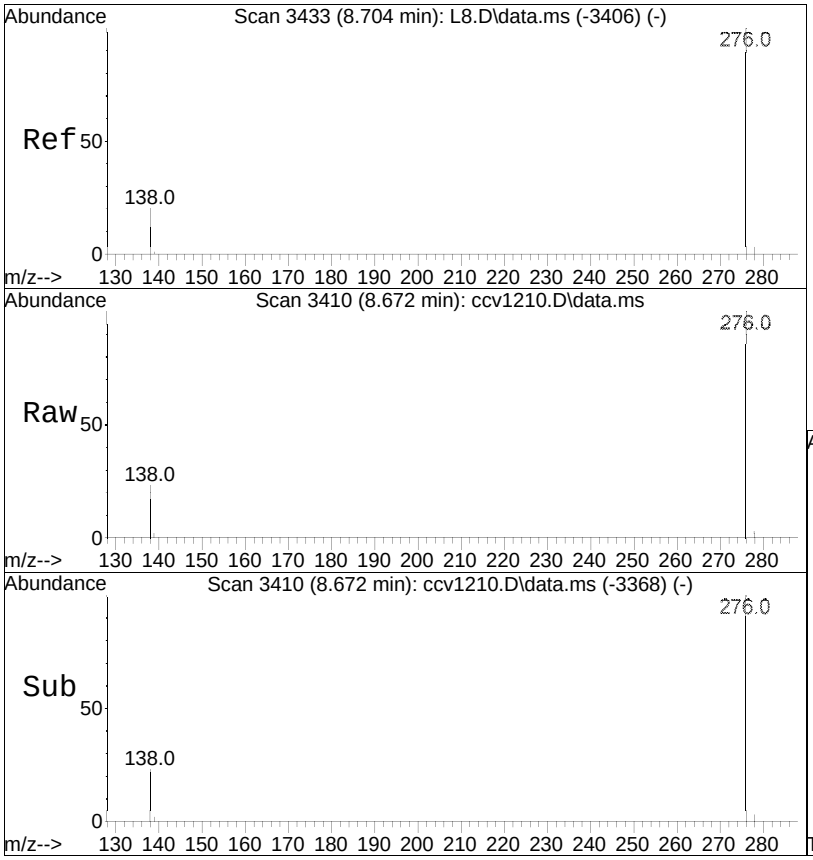


#39
Benzo[a]pyrene
Concen: 1051.67 ng/ml
RT: 7.390 min Scan# 2872
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:252 Resp: 396293

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3

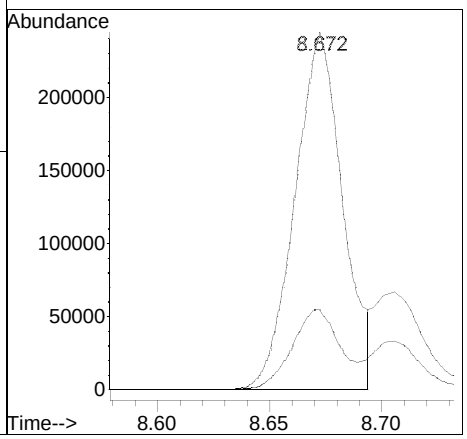


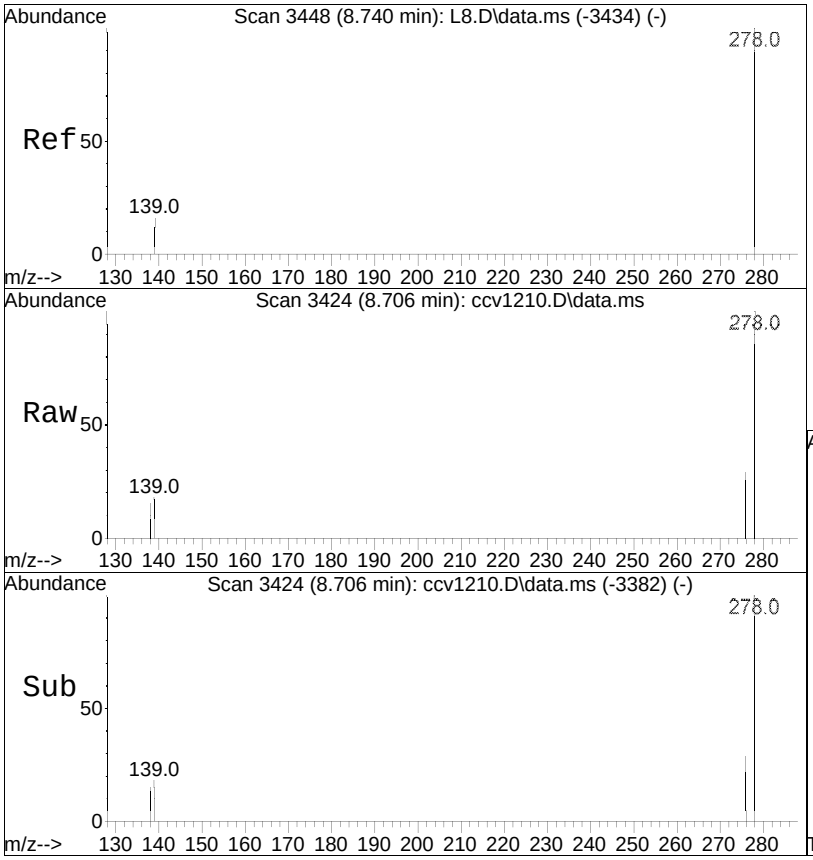


#40
Indeno[1,2,3-cd]pyrene
Concen: 1020.36 ng/ml
RT: 8.672 min Scan# 3410
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:276 Resp: 358456

Ion	Ratio	Lower	Upper
276	100		
138	22.5	11.8	17.6#

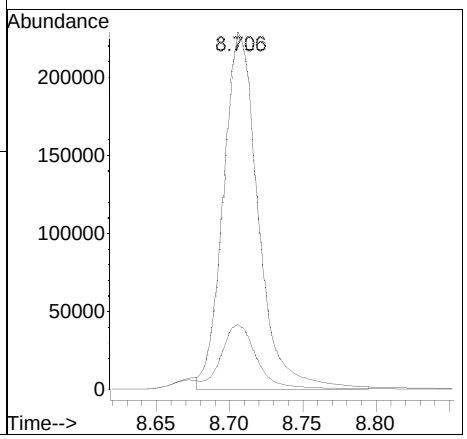


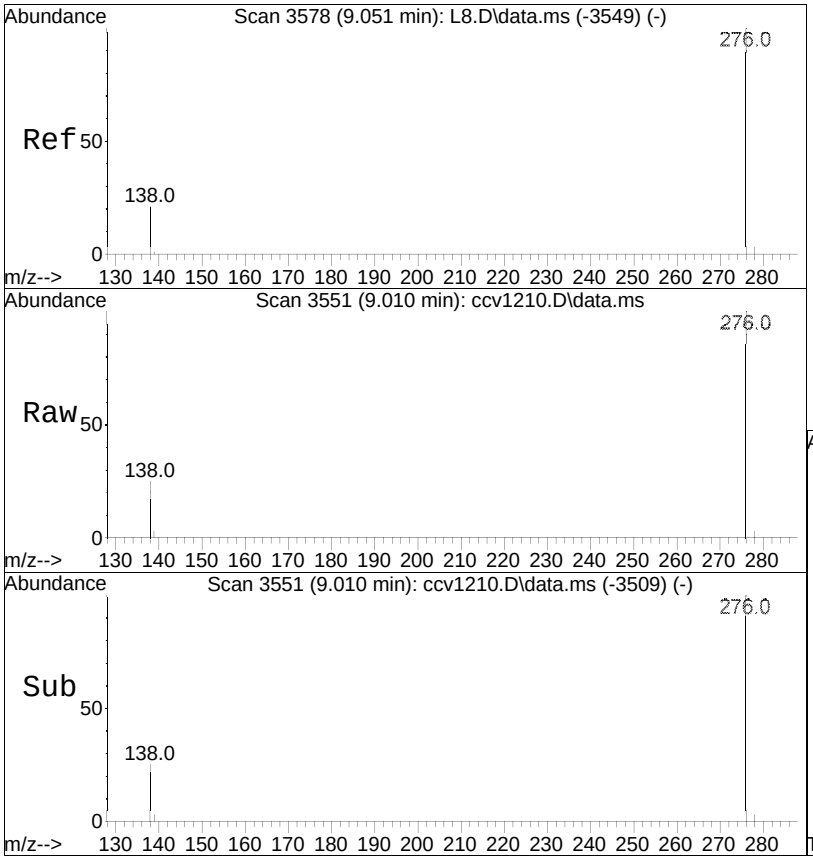


#41
Dibenzo[a,h]anthracene
Concen: 1058.55 ng/ml M6
RT: 8.706 min Scan# 3424
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:278 Resp: 378549

Ion	Ratio	Lower	Upper
278	100		
139	18.3	9.8	14.8#

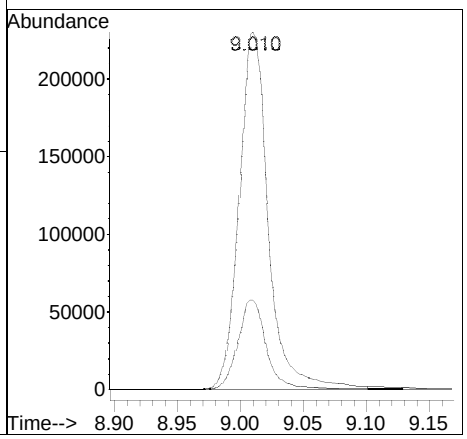




#42
Benzo[g,h,i]perylene
Concen: 993.81 ng/ml
RT: 9.010 min Scan# 3551
Delta R.T. 0.000 min
Lab File: ccv1210.D
Acq: 10 Dec 2024 06:12 am

Tgt Ion:276 Resp: 365984

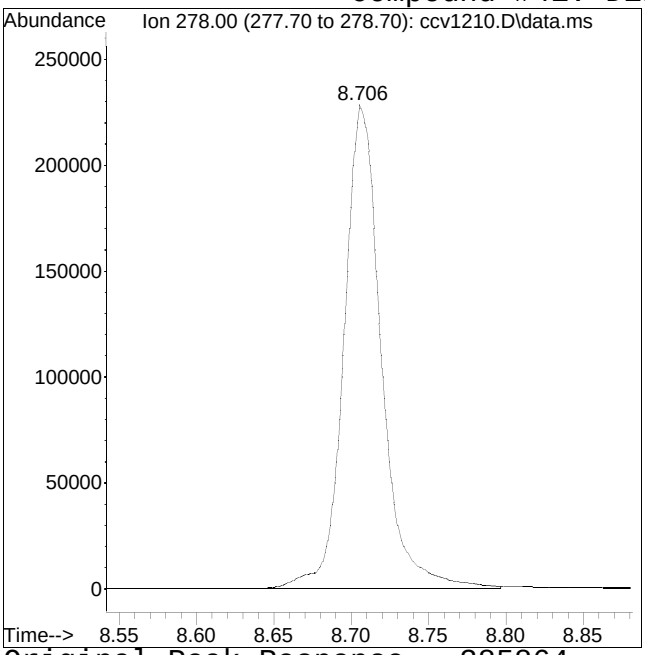
Ion	Ratio	Lower	Upper
276	100		
138	25.0	12.8	19.2#



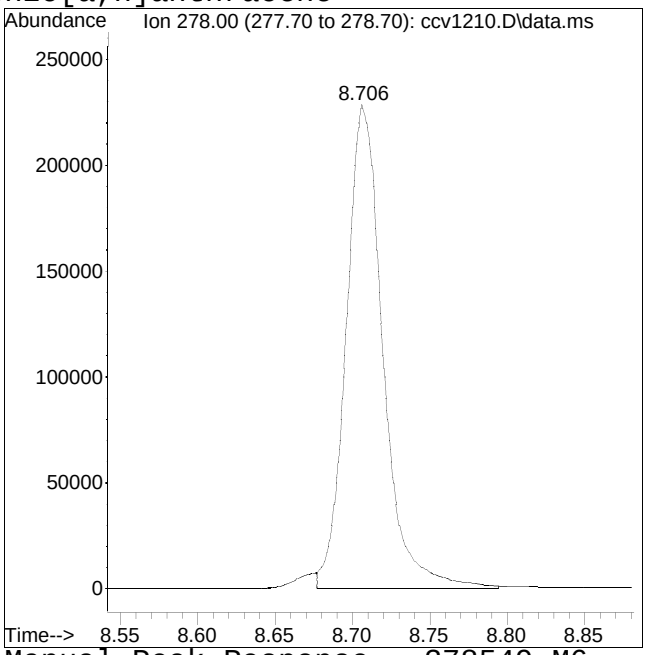
Manual Integration Report

Data Path : I:\8270SIM\SV118\241210RVTQ
Data File : ccv1210.D
Date Inj'd : 12/10/2024 6:12 am
Sample : wg2007182-3,32,,ICV 10884
Method : SIM-RVT_241025sv118.M
Operator : SV118:kmh
Instrument : SV118
Quant Date : 12/10/2024 6:30 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 385864



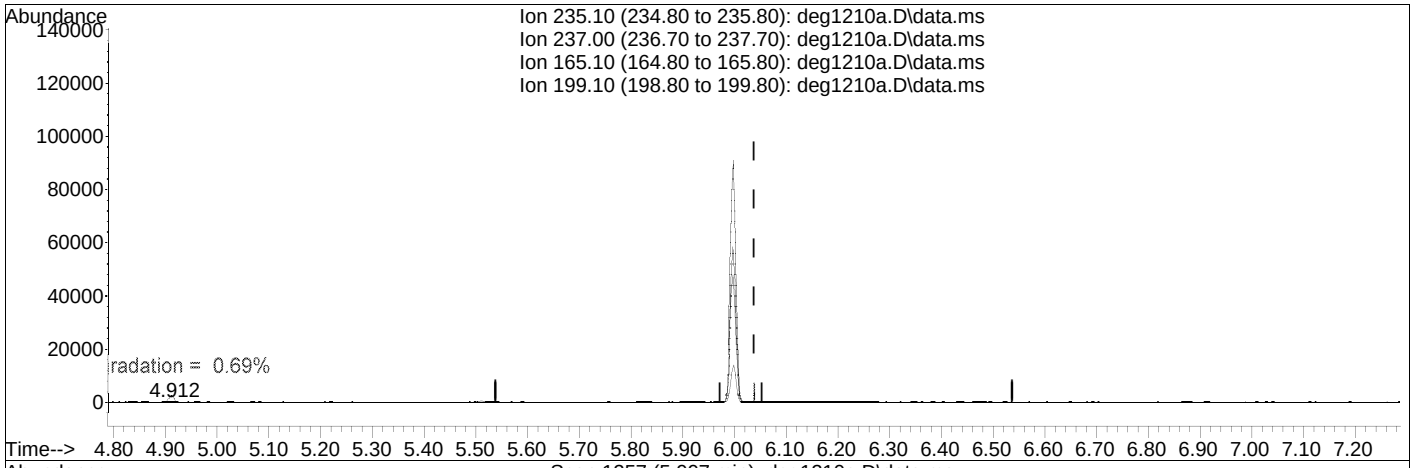
Manual Peak Response = 378549 M6

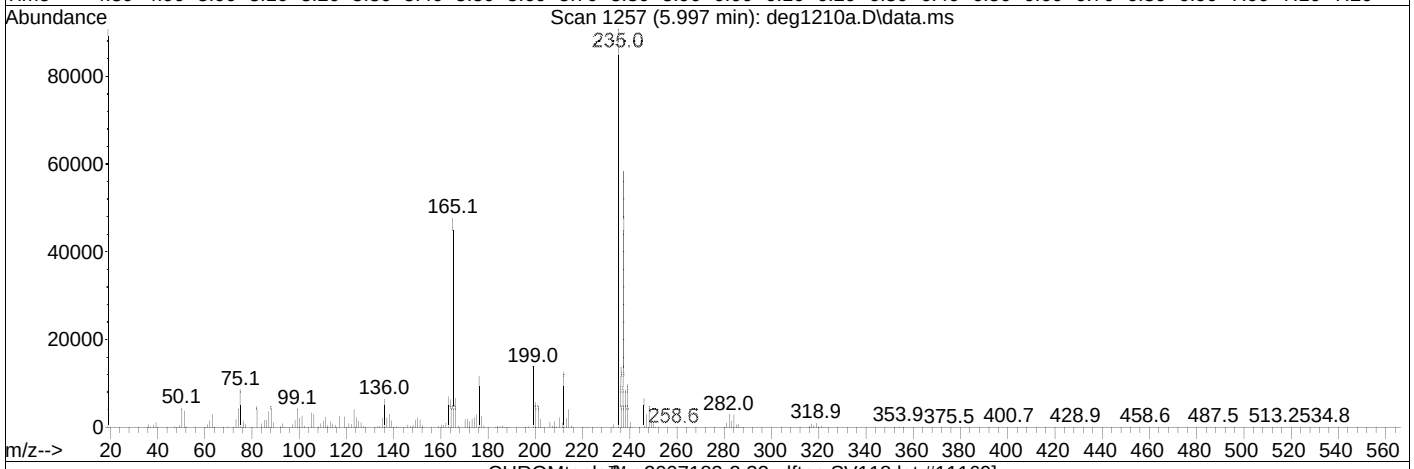
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\241210RVT\
Data File : deg1210a.D
Acq On : 10 Dec 2024 05:55 am
Operator : SV118:kmh
Sample : wg2007182-2,32,,dftpp SV118 lot #11169
Misc : wg2007182,,ical21646
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 10 06:08:09 2024
Quant Method : I:\8270SIM\SV118\241210RVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 21 14:32:10 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [wg2007182-2,32,,dftpp SV118 lot #11169]

(6) ddt (T)

5.997min (-0.041) 10.91

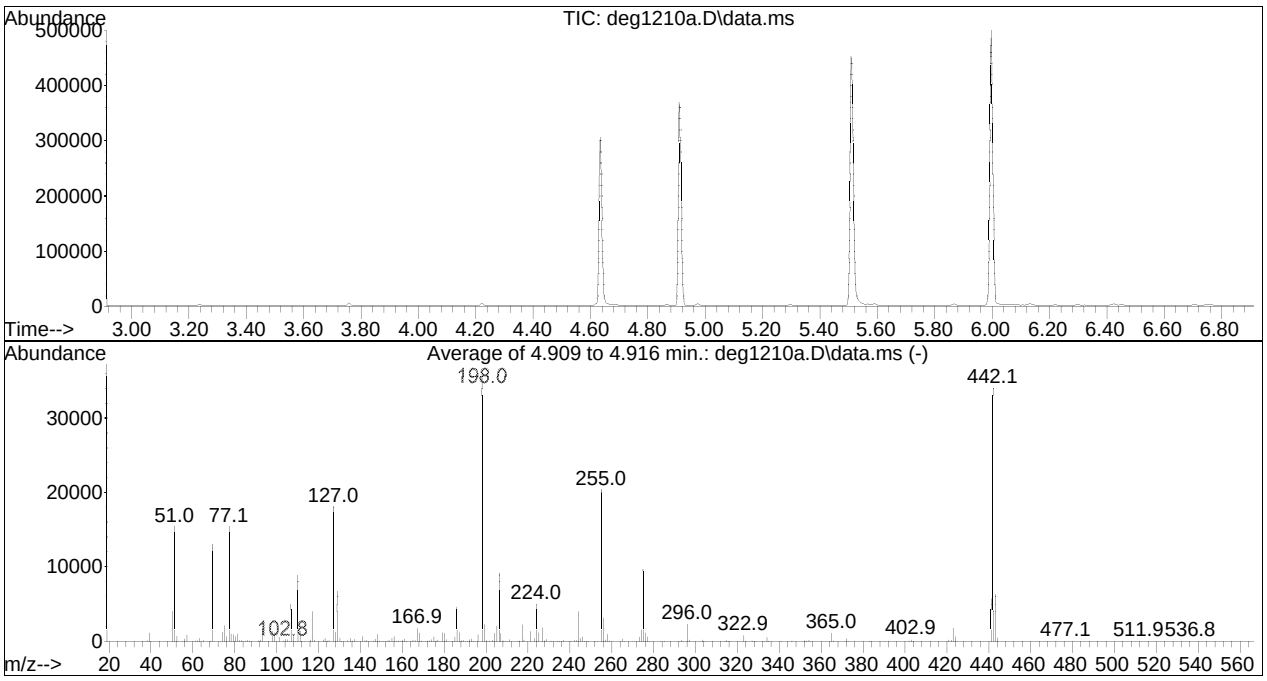
response 66492

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.36
165.10	53.30	53.20
199.10	17.10	15.23

Data Path : I:\8270SIM\SV118\241210RVT\
Data File : deg1210a.D
Acq On : 10 Dec 2024 05:55 am
Operator : SV118:kmh
Sample : wg2007182-1,32,,dftpp SV118 lot #11169
Misc : wg2007182,,ical21646
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV118\241210RVT\SIM-RVT_241025sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Dec 10 06:30:16 2024



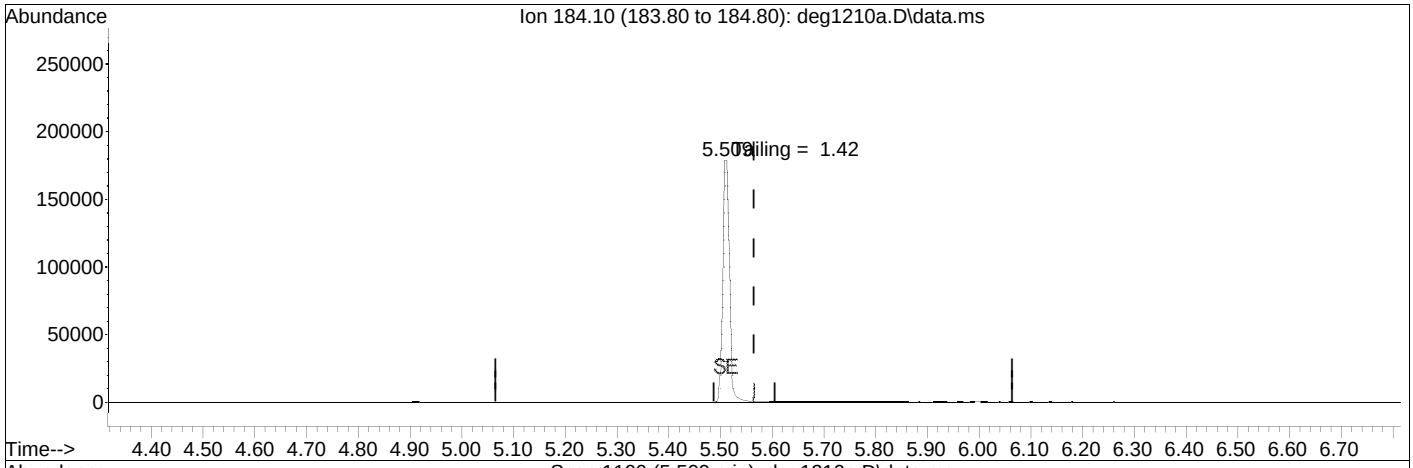
Spectrum Information: Average of 4.909 to 4.916 min.

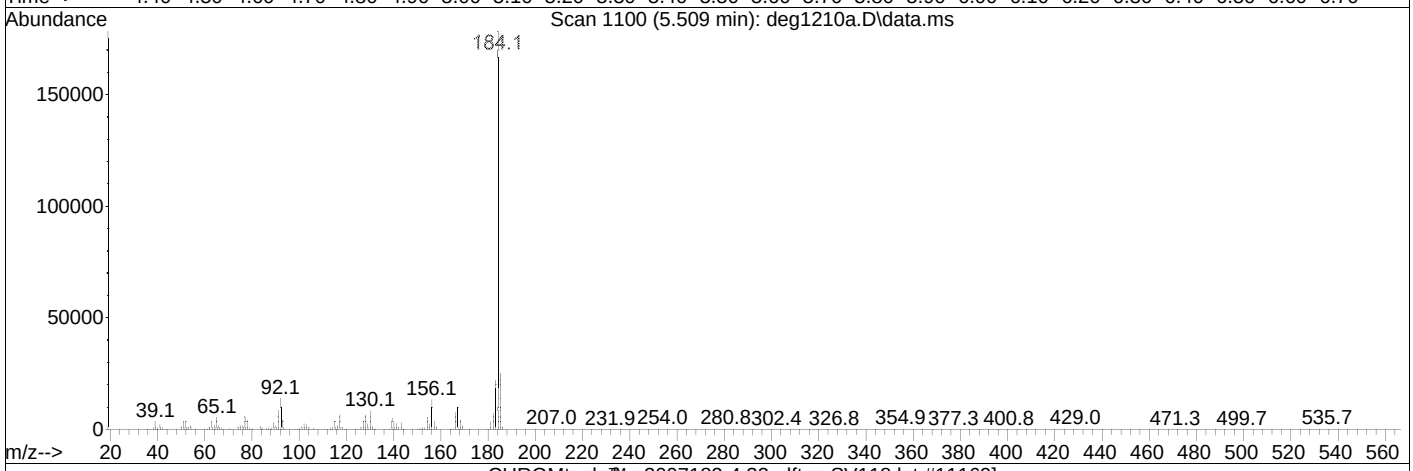
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.4	15388	PASS
68	69	0.00	2	1.4	188	PASS
69	69	100	100	100.0	12988	PASS
70	69	0.00	2	0.4	47	PASS
127	198	10	80	50.9	18031	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	35416	PASS
199	198	5	9	6.5	2285	PASS
275	198	10	60	27.0	9559	PASS
365	198	1	100	3.2	1141	PASS
441	442	0.01	24	16.7	5684	PASS
442	198	50	100	96.3	34101	PASS
443	442	15	24	18.5	6305	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\241210RVT\
Data File : deg1210a.D
Acq On : 10 Dec 2024 05:55 am
Operator : SV118:kmh
Sample : wg2007182-4,32,,dftpp SV118 lot #11169
Misc : wg2007182,,ical21646
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 10 06:08:09 2024
Quant Method : I:\8270SIM\SV118\241210RVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 21 14:32:10 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools TM [wg2007182-4,32,,dftpp SV118 lot #11169]

(3) benzidine (T)

5.509min (-0.056) 14.53

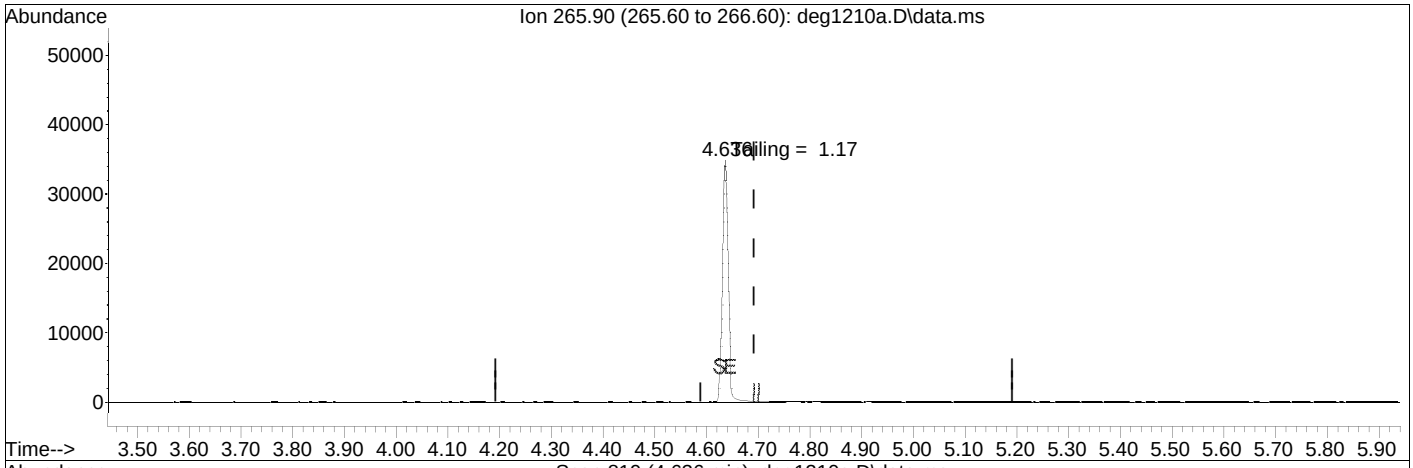
response 147889

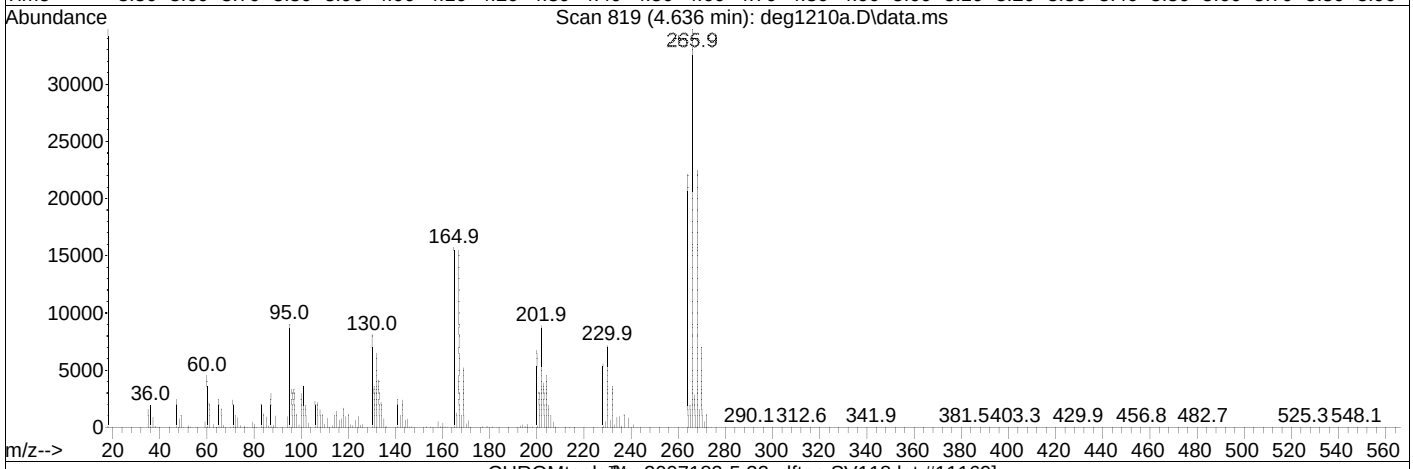
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\241210RVT\
Data File : deg1210a.D
Acq On : 10 Dec 2024 05:55 am
Operator : SV118:kmh
Sample : wg2007182-5,32,,dftpp SV118 lot #11169
Misc : wg2007182,,ical21646
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 10 06:08:09 2024
Quant Method : I:\8270SIM\SV118\241210RVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 21 14:32:10 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [wg2007182-5,32,,dftpp SV118 lot #11169]

(1) pentachlorophenol (T)

4.636min (-0.056) 12.08

response 25366

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

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-1.D
Acq On : 05 Dec 2024 11:50 am
Operator : SV125:dv
Sample : WG2005370-1,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 06 11:06:14 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.259	152	517111	4000.000	ng/ml	-0.02
Standard Area 1 = 632709			Recovery = 81.73%			
8) Naphthalene-d8	2.927	136	1862589	4000.000	ng/ml	-0.02
Standard Area 1 = 2356386			Recovery = 79.04%			
17) Acenaphthene-d10	3.911	164	1066032	4000.000	ng/ml	-0.01
Standard Area 1 = 1484083			Recovery = 71.83%			
22) Phenanthrene-d10	4.759	188	2180145	4000.000	ng/ml	0.00
Standard Area 1 = 3199114			Recovery = 68.15%			
31) Chrysene-d12	6.384	240	2259537M3	4000.000	ng/ml	0.06
Standard Area 1 = 3334220			Recovery = 67.77%			
36) Perylene-d12	7.614	264	2561238M3	4000.000	ng/ml	0.07
Standard Area 1 = 3903811			Recovery = 65.61%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.669	112	160217	1153.088	ng/ml	-0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 57.65%			
3) Phenol-d6	2.073	99	139882	795.420	ng/ml	-0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 39.77%			
7) Nitrobenzene-d5	2.544	82	134552	898.672	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 89.87%			
13) 2-Fluorobiphenyl	3.528	172	367187	886.191	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 88.62%			
21) 2,4,6-Tribromophenol	4.359	330	110428	1909.903	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 95.50%			
30) 4-Terphenyl-d14	5.711	244	487831	970.476	ng/ml	0.04
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.05%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.938	128	1432	2.863	ng/ml#	84
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-1.D
Acq On : 05 Dec 2024 11:50 am
Operator : SV125:dv
Sample : WG2005370-1,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 06 11:06:14 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

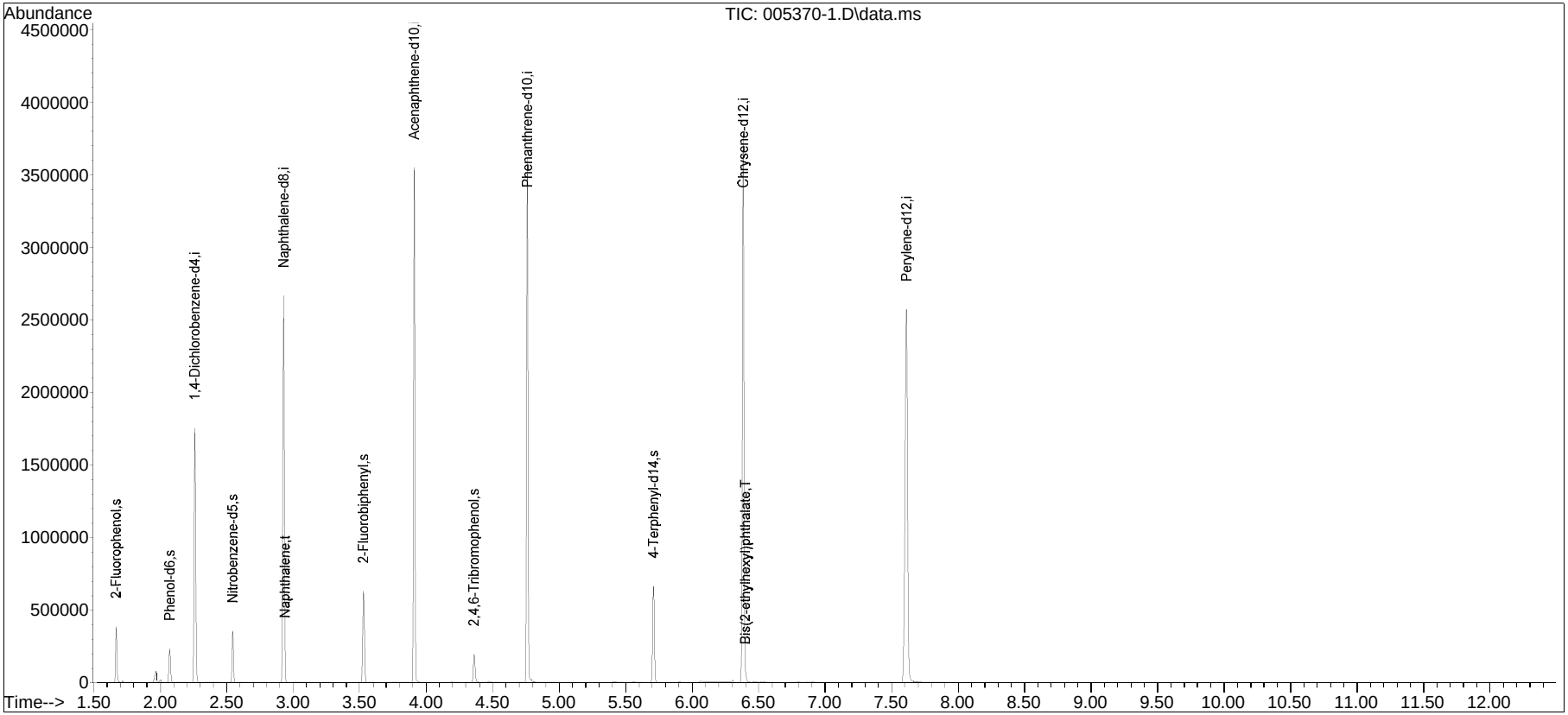
(#) = qualifier out of range (m) = manual integration (+) = signals summed

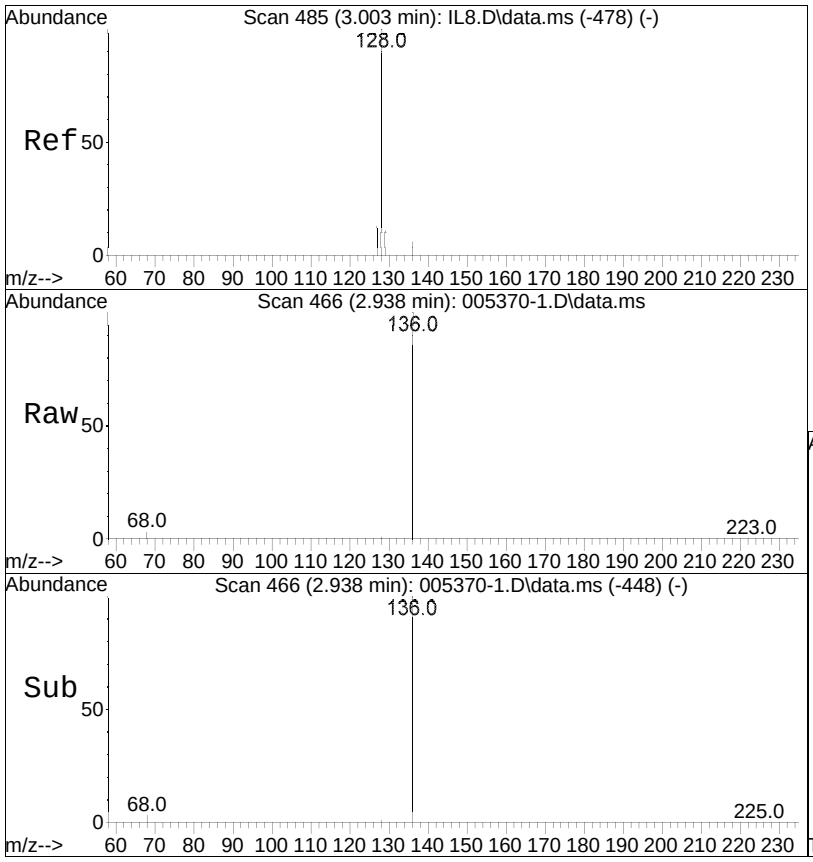
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-1.D
Acq On : 05 Dec 2024 11:50 am
Operator : SV125:dv
Sample : WG2005370-1,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 06 11:06:14 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•

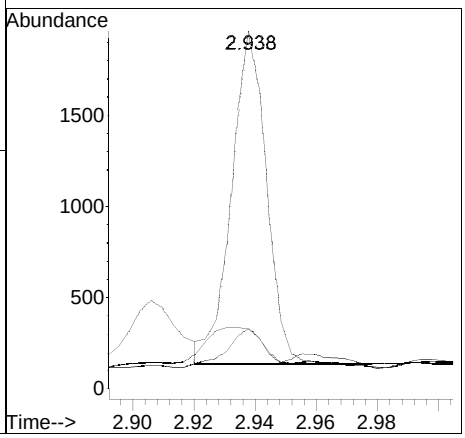




#9
Naphthalene
Concen: 2.86 ng/ml
RT: 2.938 min Scan# 466
Delta R.T. -0.018 min
Lab File: 005370-1.D
Acq: 05 Dec 2024 11:50 am

Tgt Ion:128 Resp: 1432

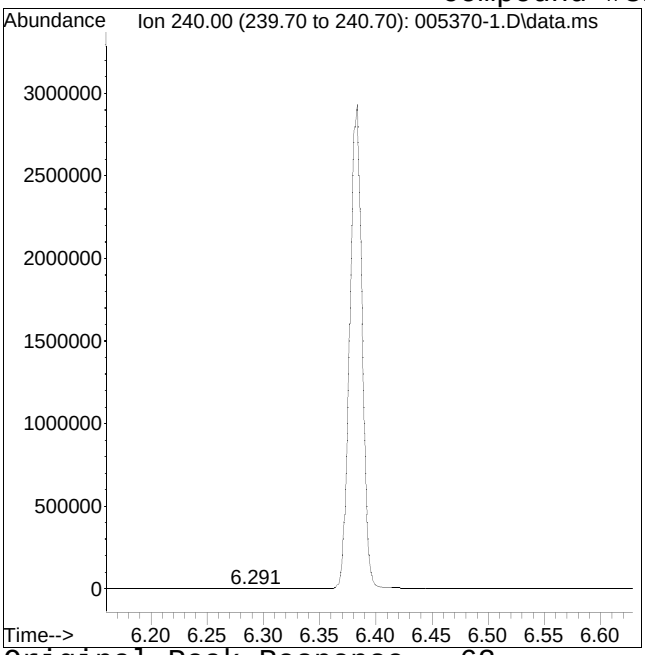
Ion	Ratio	Lower	Upper
128	100		
129	23.0	8.9	13.3#
127	12.5	10.9	16.3

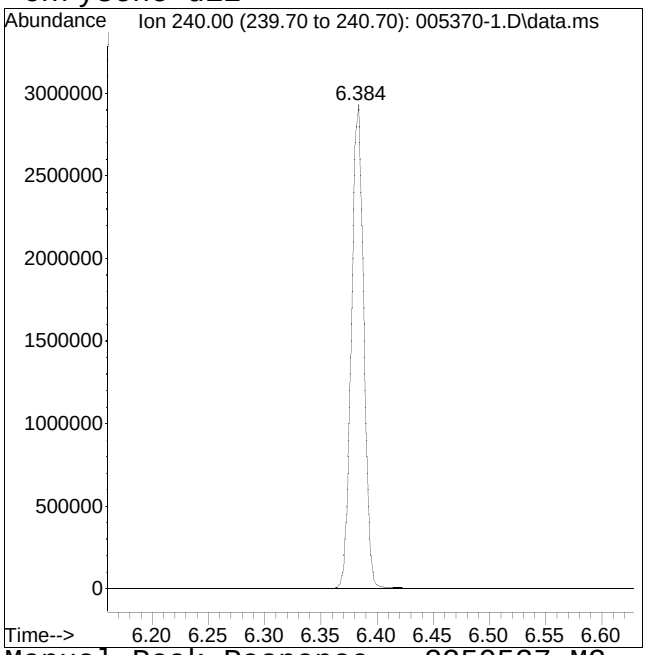


Manual Integration Report

Data Path : I:\8270SIM\SV125\241205RVTQMethod : SIM-RVT_241105n_sv125.M
Data File : 005370-1.D Operator : SV125:dv
Date Inj'd : 12/5/2024 11:50 am Instrument : SV125
Sample : WG2005370-1,32,,kmh Quant Date : 12/5/2024 12:05 pm

Compound #31: Chrysene-d12



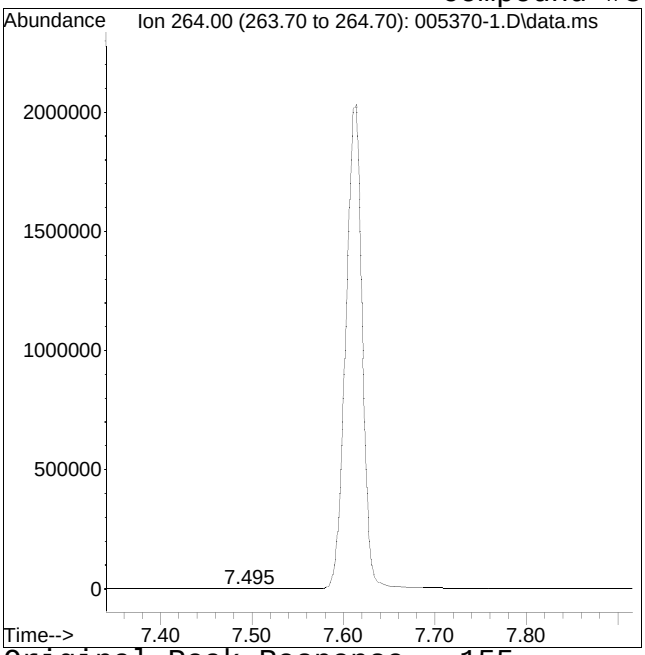


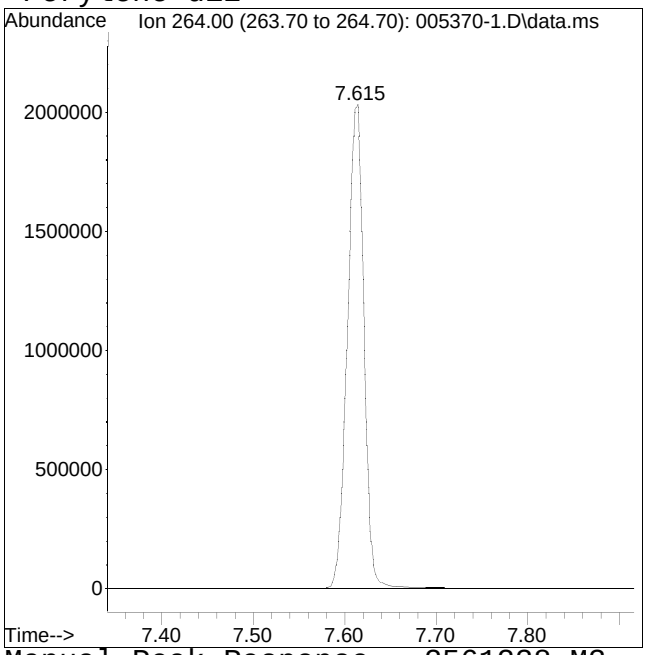
Original Peak Response = 62 Manual Peak Response = 2259537 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241205RVTQMethod : SIM-RVT_241105n_sv125.M
Data File : 005370-1.D Operator : SV125:dv
Date Inj'd : 12/5/2024 11:50 am Instrument : SV125
Sample : WG2005370-1,32,,kmh Quant Date : 12/5/2024 12:05 pm

Compound #36: Perylene-d12





Original Peak Response = 155 Manual Peak Response = 2561238 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:\8270SIM\sv120\241207RVT\
Data File : 006013-1.D
Acq On : 07 Dec 2024 03:30 pm
Operator : SV120:kmh
Sample : WG2006013-1,32,,rp
Misc : WG2006437,WG2006013,ical21668
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 08 12:55:54 2024
Quant Method : I:\8270sim\sv120\241207RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 07 13:00:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241207RVT\ccv1207.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.265	152	179278	4000.000	ng/ml	0.00
Standard Area 1 = 211326			Recovery = 84.83%			
8) Naphthalene-d8	2.927	136	676302	4000.000	ng/ml	0.00
Standard Area 1 = 819581			Recovery = 82.52%			
17) Acenaphthene-d10	3.906	164	368287	4000.000	ng/ml	0.00
Standard Area 1 = 466122			Recovery = 79.01%			
22) Phenanthrene-d10	4.746	188	688672	4000.000	ng/ml	0.00
Standard Area 1 = 914482			Recovery = 75.31%			
31) Chrysene-d12	6.303	240	582311	4000.000	ng/ml	-0.03
Standard Area 1 = 767447			Recovery = 75.88%			
36) Perylene-d12	7.529	264	521119	4000.000	ng/ml	-0.04
Standard Area 1 = 730050			Recovery = 71.38%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.697	112	26286	498.123	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.91%			
3) Phenol-d6	2.081	99	27936	430.844	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 21.54%			
7) Nitrobenzene-d5	2.544	82	28237	493.297	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 49.33%			
13) 2-Fluorobiphenyl	3.524	172	65053	477.234	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 47.72%			
21) 2,4,6-Tribromophenol	4.352	330	15009	1023.749	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.19%			
30) 4-Terphenyl-d14	5.661	244	90013	718.821	ng/ml	-0.01
Spiked Amount 2000.000	Range 30 - 130		Recovery = 35.94%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D. d		
5) n-nitrosodi-n-propylamine	0.000		0	N.D. d		
6) Hexachloroethane	0.000		0	N.D.		
9) Naphthalene	0.000		0	N.D. d		
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	0.000		0	N.D. d		
12) 1-Methylnaphthalene	0.000		0	N.D. d		
14) 2-Chloronaphthalene	0.000		0	N.D. d		
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		
16) Acenaphthylene	0.000		0	N.D. d		
18) Acenaphthene	0.000		0	N.D. d		

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241207RVT\
Data File : 006013-1.D
Acq On : 07 Dec 2024 03:30 pm
Operator : SV120:kmh
Sample : WG2006013-1,32,,rp
Misc : WG2006437,WG2006013,ical21668
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 08 12:55:54 2024
Quant Method : I:\8270sim\sv120\241207RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 07 13:00:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241207RVT\ccv1207.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.		
20) Fluorene	0.000		0	N.D.	d	
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	0.000		0	N.D.		
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
35) Bis(2-ethylhexyl)phtha...	6.318	149	11505	111.651	ng/ml	96
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

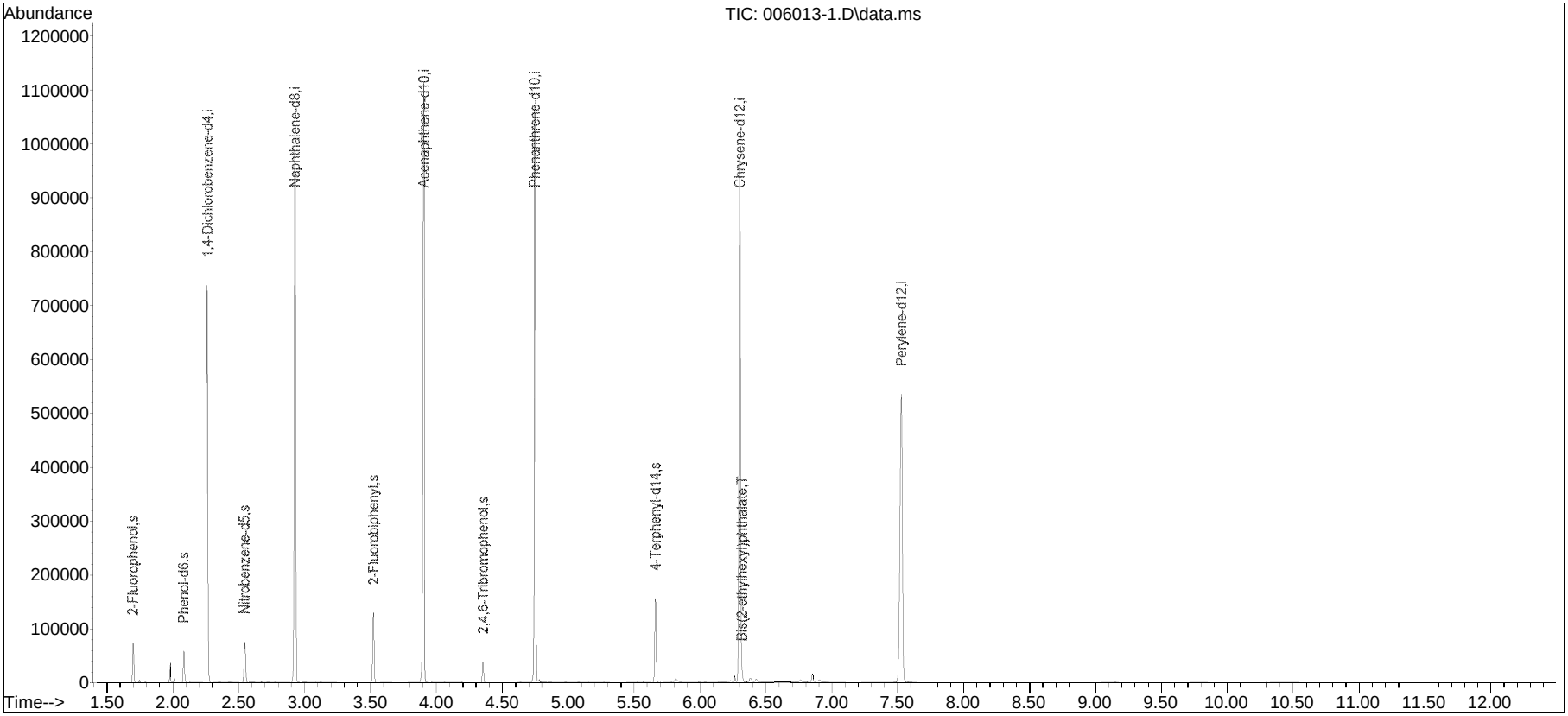
(#) = qualifier out of range (m) = manual integration (+) = signals summed

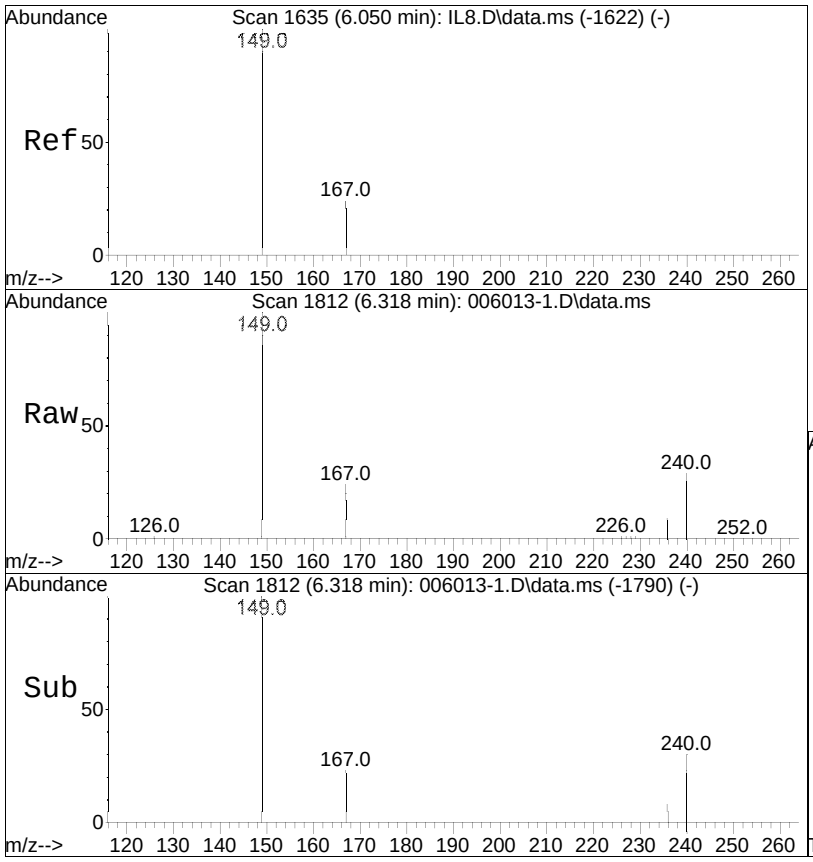
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241207RVT\
Data File : 006013-1.D
Acq On : 07 Dec 2024 03:30 pm
Operator : SV120:kmh
Sample : WG2006013-1,32,,rp
Misc : WG2006437,WG2006013,ical21668
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 08 12:55:54 2024
Quant Method : I:\8270sim\sv120\241207RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 07 13:00:47 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1207.D•

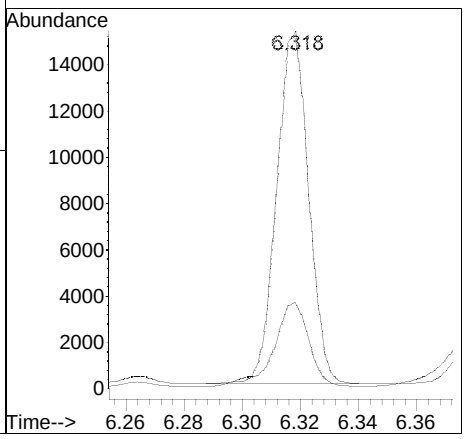




#35
Bis(2-ethylhexyl)phthalate
Concen: 111.65 ng/ml
RT: 6.318 min Scan# 1812
Delta R.T. -0.026 min
Lab File: 006013-1.D
Acq: 07 Dec 2024 03:30 pm

Tgt Ion:149 Resp: 11505

Ion	Ratio	Lower	Upper
149	100		
167	26.3	19.6	29.4



Manual Integration Report

Data Path	: I:\8270SIM\sv120\241207RVTQ	Method	: SIM-RVT_241105_sv120.M
Data File	: 006013-1.D	Operator	: SV120:kmh
Date Inj'd	: 12/7/2024 3:30 pm	Instrument	: SV120
Sample	: WG2006013-1,32,,rp	Quant Date	: 12/8/2024 12:56 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-1.D
Acq On : 09 Dec 2024 11:46 am
Operator : SV125:kmh
Sample : WG2006681-1,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 10 07:58:06 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.267	152	450771	4000.000	ng/ml	0.02
Standard Area 1 = 620723			Recovery = 72.62%			
8) Naphthalene-d8	2.929	136	1662711	4000.000	ng/ml	0.02
Standard Area 1 = 2184118			Recovery = 76.13%			
17) Acenaphthene-d10	3.908	164	967391	4000.000	ng/ml	0.00
Standard Area 1 = 1298651			Recovery = 74.49%			
22) Phenanthrene-d10	4.756	188	1998986	4000.000	ng/ml	0.00
Standard Area 1 = 2706375			Recovery = 73.86%			
31) Chrysene-d12	6.316	240	2141643M2	4000.000	ng/ml	-0.09
Standard Area 1 = 2815094			Recovery = 76.08%			
36) Perylene-d12	7.544	264	2368159M2	4000.000	ng/ml	-0.11
Standard Area 1 = 3104537			Recovery = 76.28%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.679	112	138875	1146.583	ng/ml	0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery = 57.33%			
3) Phenol-d6	2.084	99	116046	756.994	ng/ml	0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery = 37.85%			
7) Nitrobenzene-d5	2.547	82	111410	853.617	ng/ml	0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 85.36%			
13) 2-Fluorobiphenyl	3.526	172	305829	826.835	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 82.68%			
21) 2,4,6-Tribromophenol	4.356	330	97525	1858.730	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 92.94%			
30) 4-Terphenyl-d14	5.675	244	416510	903.684	ng/ml	-0.05
Spiked Amount 1000.000	Range 30 - 130		Recovery = 90.37%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-1.D
Acq On : 09 Dec 2024 11:46 am
Operator : SV125:kmh
Sample : WG2006681-1,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 10 07:58:06 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.		
34) Chrysene	0.000		0	N.D.		
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

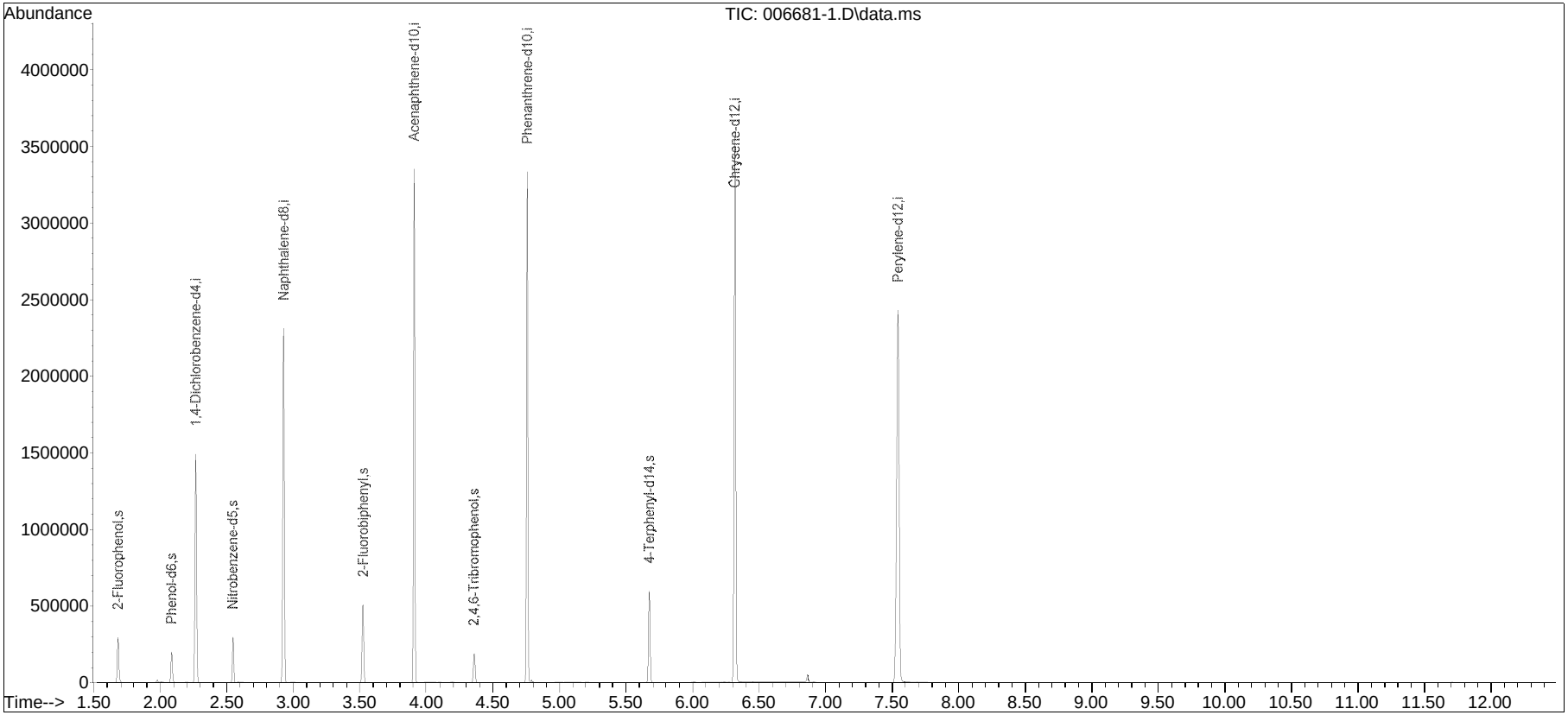
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-1.D
Acq On : 09 Dec 2024 11:46 am
Operator : SV125:kmh
Sample : WG2006681-1,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 10 07:58:06 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

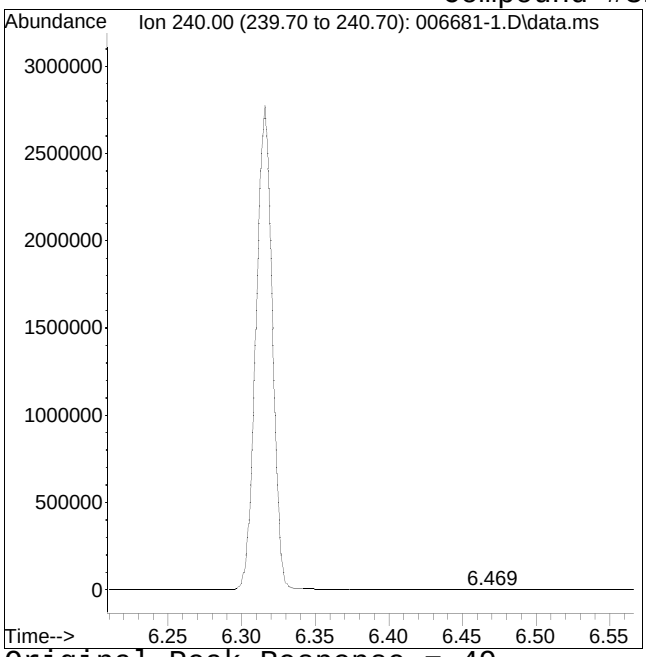
Sub List : DEFAULT - All compounds listedT\ccv1209b.D•

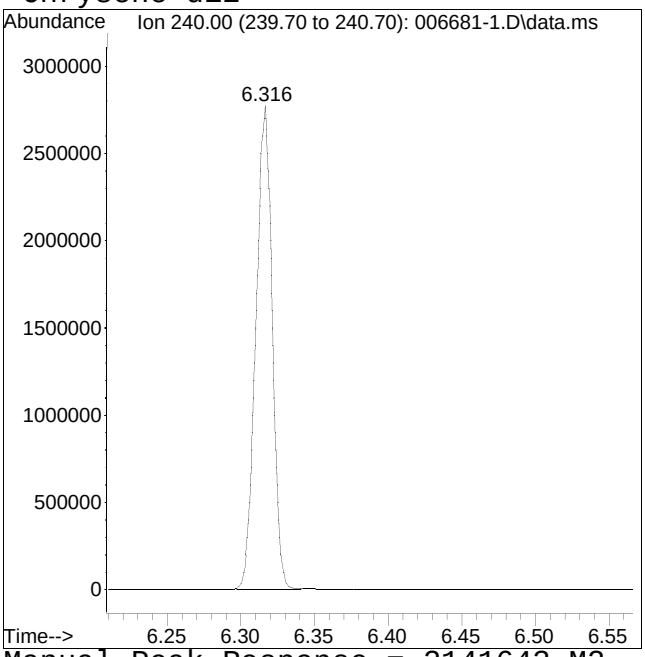


Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-1.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:46 am Instrument : SV125
Sample : WG2006681-1,32,,kmh Quant Date : 12/9/2024 12:02 pm

Compound #31: Chrysene-d12



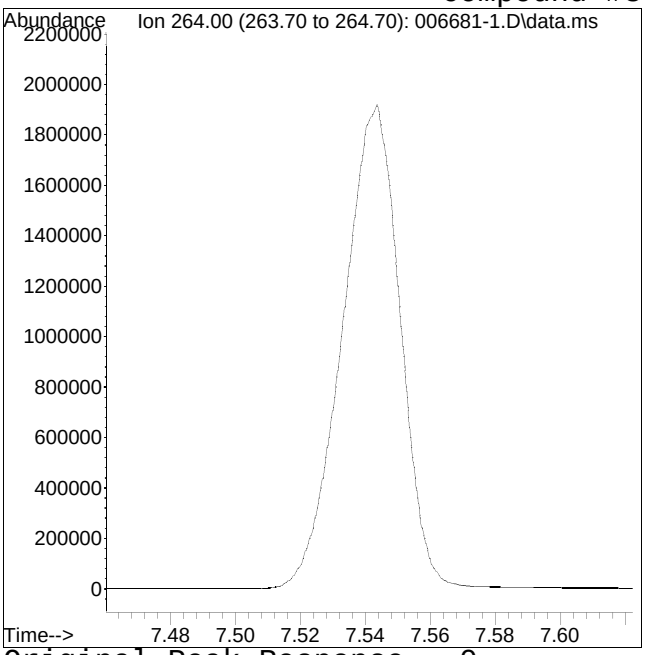


Original Peak Response = 49 Manual Peak Response = 2141643 M2
M2 = Peak not found by automatic integration algorithm.

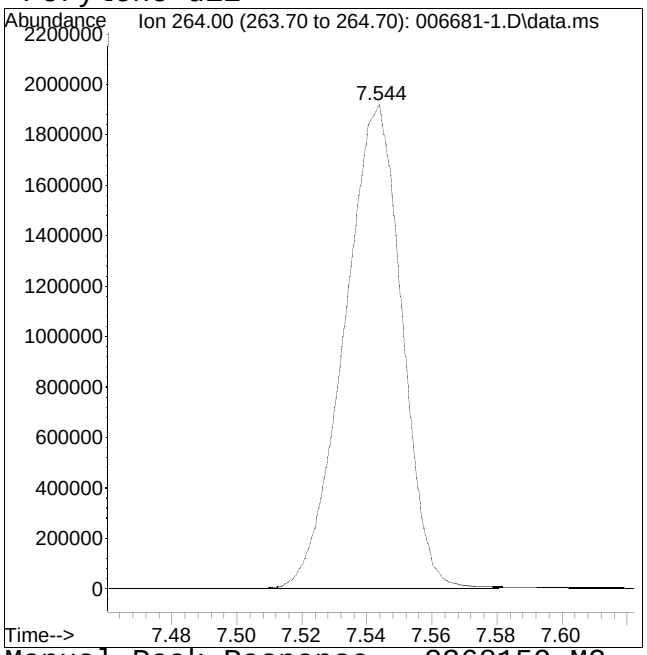
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-1.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:46 am Instrument : SV125
Sample : WG2006681-1,32,,kmh Quant Date : 12/9/2024 12:02 pm

Compound #36: Perylene-d12



Original Peak Response = 0



Manual Peak Response = 2368159 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-2.D
Acq On : 05 Dec 2024 12:06 pm
Operator : SV125:dv
Sample : WG2005370-2,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 11:08:03 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.281	152	580454	4000.000	ng/ml	0.00
Standard Area 1 = 632709			Recovery	= 91.74%		
8) Naphthalene-d8	2.941	136	2212320	4000.000	ng/ml	0.00
Standard Area 1 = 2356386			Recovery	= 93.89%		
17) Acenaphthene-d10	3.919	164	1257798	4000.000	ng/ml	0.00
Standard Area 1 = 1484083			Recovery	= 84.75%		
22) Phenanthrene-d10	4.759	188	2547264	4000.000	ng/ml	0.00
Standard Area 1 = 3199114			Recovery	= 79.62%		
31) Chrysene-d12	6.316	240	2532011	4000.000	ng/ml	0.00
Standard Area 1 = 3334220			Recovery	= 75.94%		
36) Perylene-d12	7.537	264	2897091	4000.000	ng/ml	-0.01
Standard Area 1 = 3903811			Recovery	= 74.21%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.696	112	207578	1330.917	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 66.55%		
3) Phenol-d6	2.095	99	183171	927.913	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 46.40%		
7) Nitrobenzene-d5	2.561	82	167646	997.517	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 99.75%		
13) 2-Fluorobiphenyl	3.536	172	462297	939.356	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 93.94%		
21) 2,4,6-Tribromophenol	4.367	330	174621	2559.693	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 127.98%#		
30) 4-Terphenyl-d14	5.672	244	640796	1091.055	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 109.11%		
Target Compounds						Qvalue
6) Hexachloroethane	2.539	117	109934	1506.605	ng/ml	96
9) Naphthalene	2.952	128	1020258	1717.373	ng/ml	98
10) Hexachlorobutadiene	3.022	225	165294	1360.875	ng/ml	100
11) 2-Methylnaphthalene	3.330	142	709813	1772.136	ng/ml	99
14) 2-Chloronaphthalene	3.602	162	745924	1778.241	ng/ml	92
16) Acenaphthylene	3.838	152	1212012	2035.696	ng/ml	100
18) Acenaphthene	3.938	153	858864	2118.409	ng/ml	94
20) Fluorene	4.227	166	1016028	2269.922	ng/ml	98
24) Hexachlorobenzene	4.546	284	367019	2247.064	ng/ml	97
25) Pentachlorophenol	4.659	266	255451	2566.822	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-2.D
Acq On : 05 Dec 2024 12:06 pm
Operator : SV125:dv
Sample : WG2005370-2,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 11:08:03 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.774	178	1689514	2399.941	ng/ml	100
27) Anthracene	4.801	178	1702710	2511.874	ng/ml	100
28) Fluoranthene	5.451	202	2056986	2544.073	ng/ml	97
29) Pyrene	5.581	202	2180155	2551.531	ng/ml	100
32) Benzo[a]anthracene	6.308	228	2207459	2893.501	ng/ml	100
34) Chrysene	6.333	228	2063370	2878.949	ng/ml	100
37) Benzo[b]fluoranthene	7.161	252	2343950	2907.562	ng/ml	100
38) Benzo[k]fluoranthene	7.188	252	2149608	2917.733	ng/ml	99
39) Benzo[a]pyrene	7.474	252	1982005	2964.374	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.773	276	2278667	3173.342	ng/ml#	90
41) Dibenzo[a,h]anthracene	8.803	278	2146116M6	3244.766	ng/ml	
42) Benzo[g,h,i]perylene	9.123	276	2139537	3066.622	ng/ml#	91

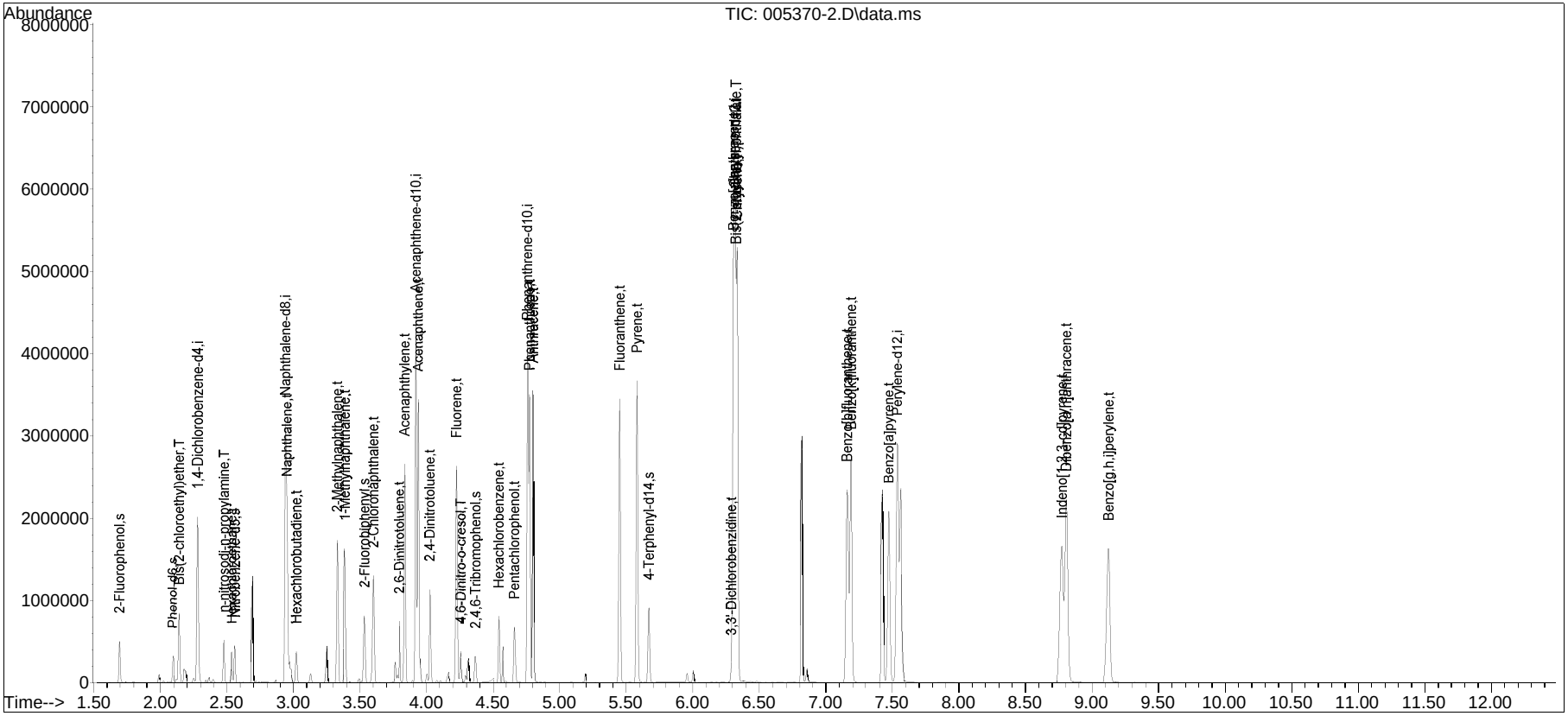
(#) = qualifier out of range (m) = manual integration (+) = signals summed

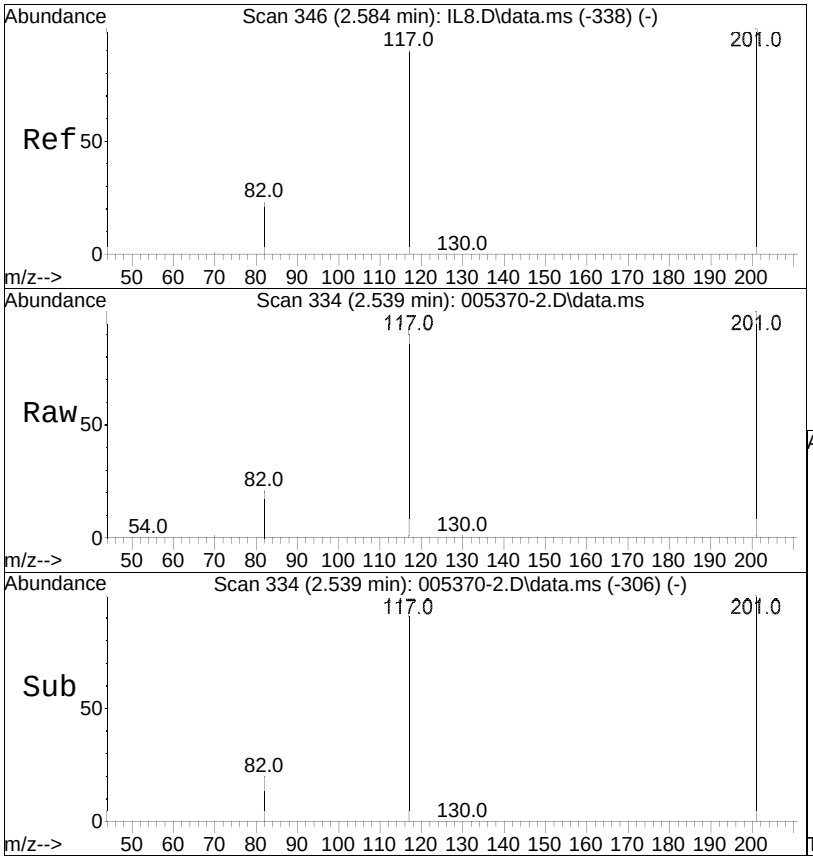
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-2.D
Acq On : 05 Dec 2024 12:06 pm
Operator : SV125:dv
Sample : WG2005370-2,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 11:08:03 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•

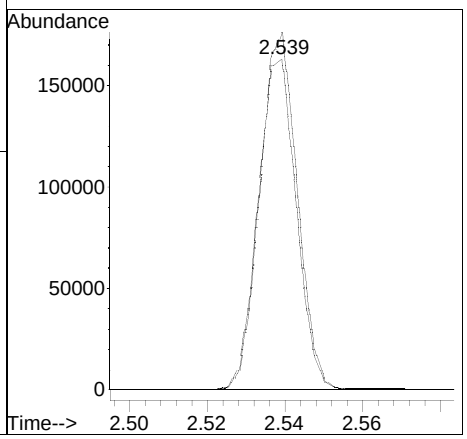


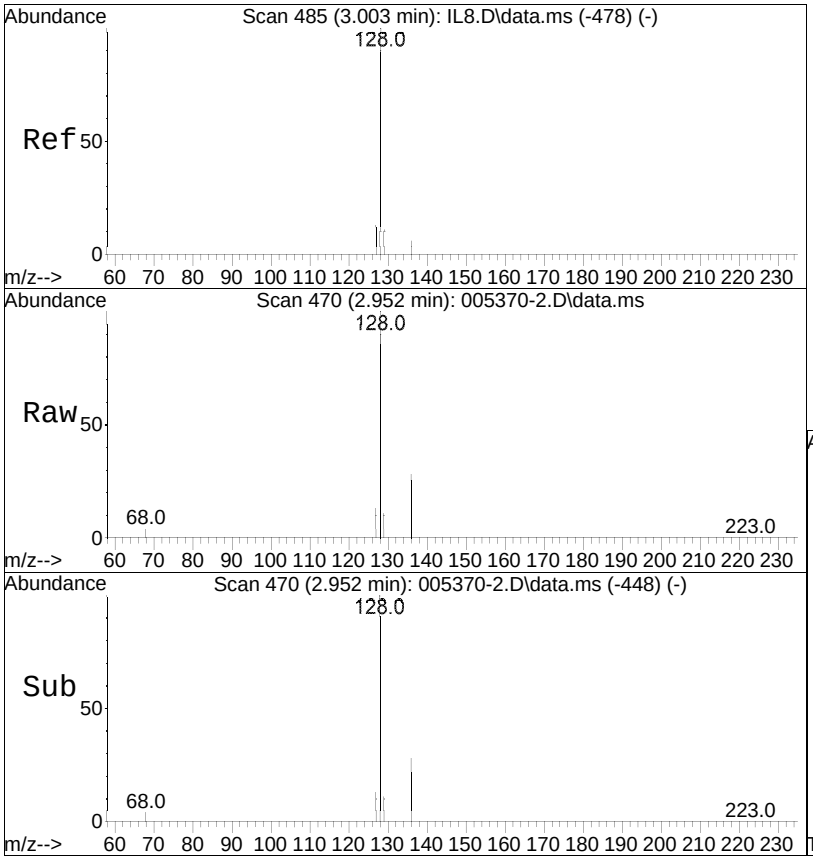


#6
Hexachloroethane
Concen: 1506.61 ng/ml
RT: 2.539 min Scan# 334
Delta R.T. -0.001 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:117 Resp: 109934

Ion	Ratio	Lower	Upper
117	100		
201	105.8	88.0	132.0

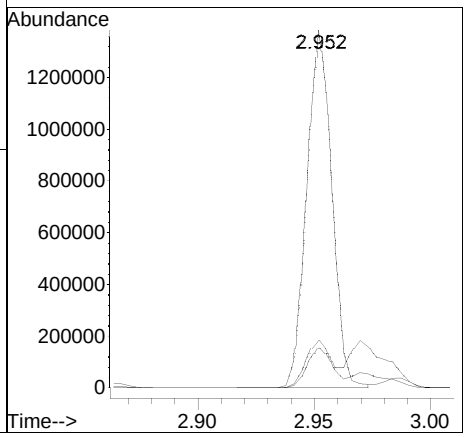


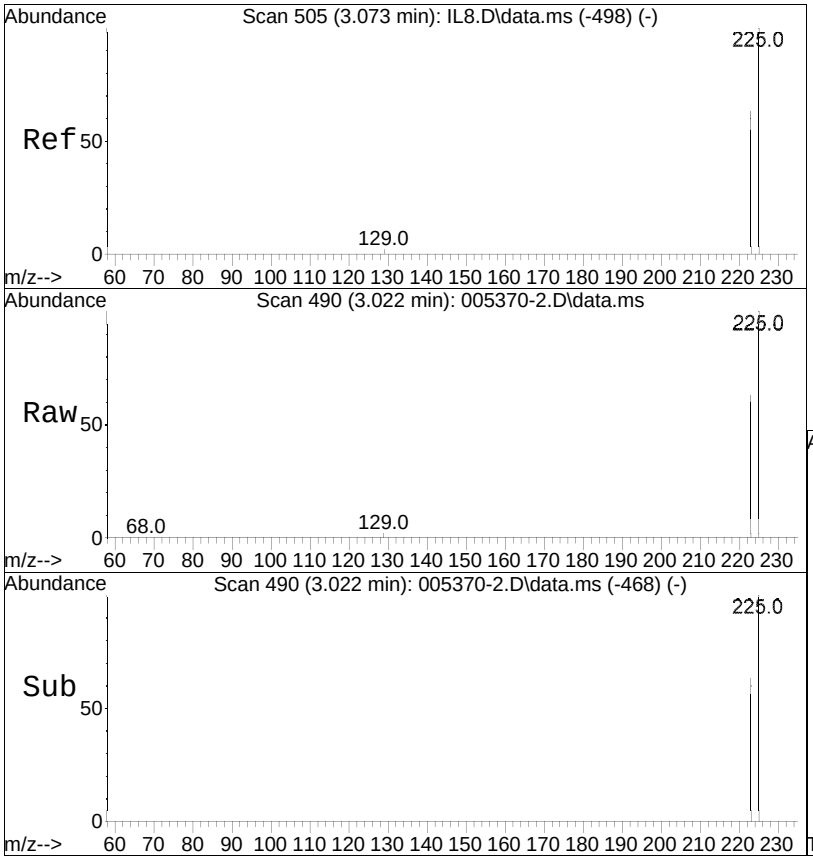


#9
Naphthalene
Concen: 1717.37 ng/ml
RT: 2.952 min Scan# 470
Delta R.T. -0.004 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:128 Resp: 1020258

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.9	13.3
127	14.8	10.9	16.3

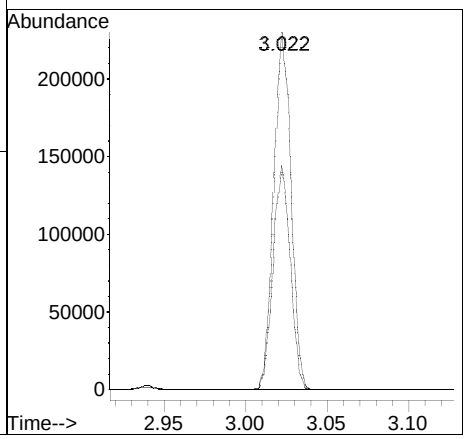


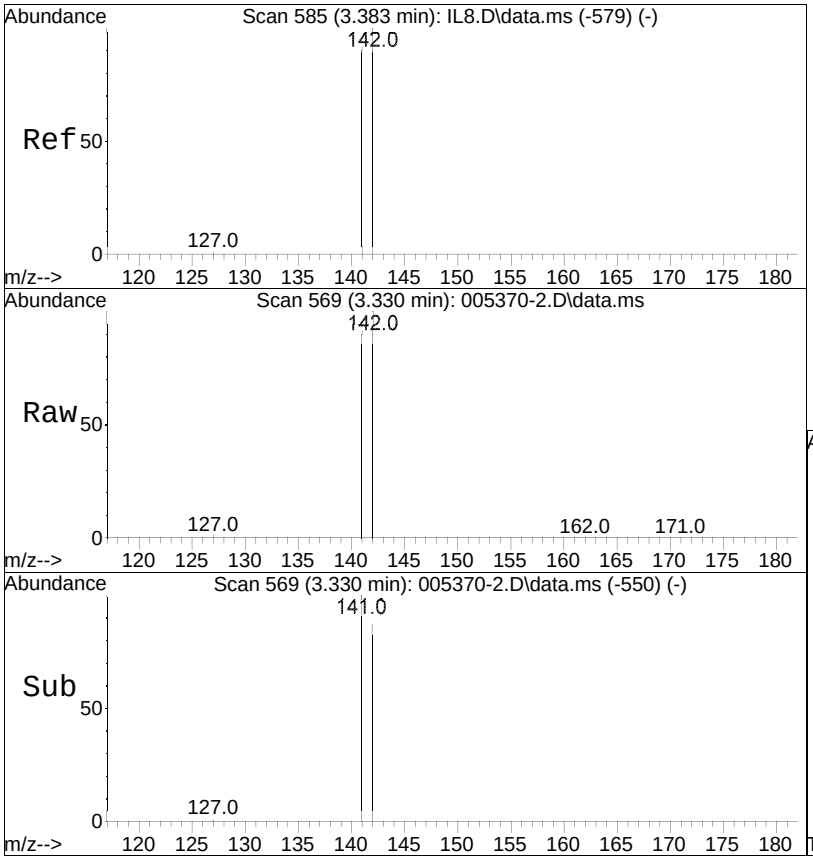


#10
Hexachlorobutadiene
Concen: 1360.87 ng/ml
RT: 3.022 min Scan# 490
Delta R.T. -0.004 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:225 Resp: 165294

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.3	75.5

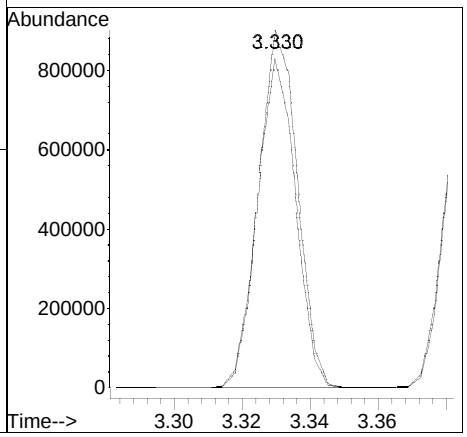


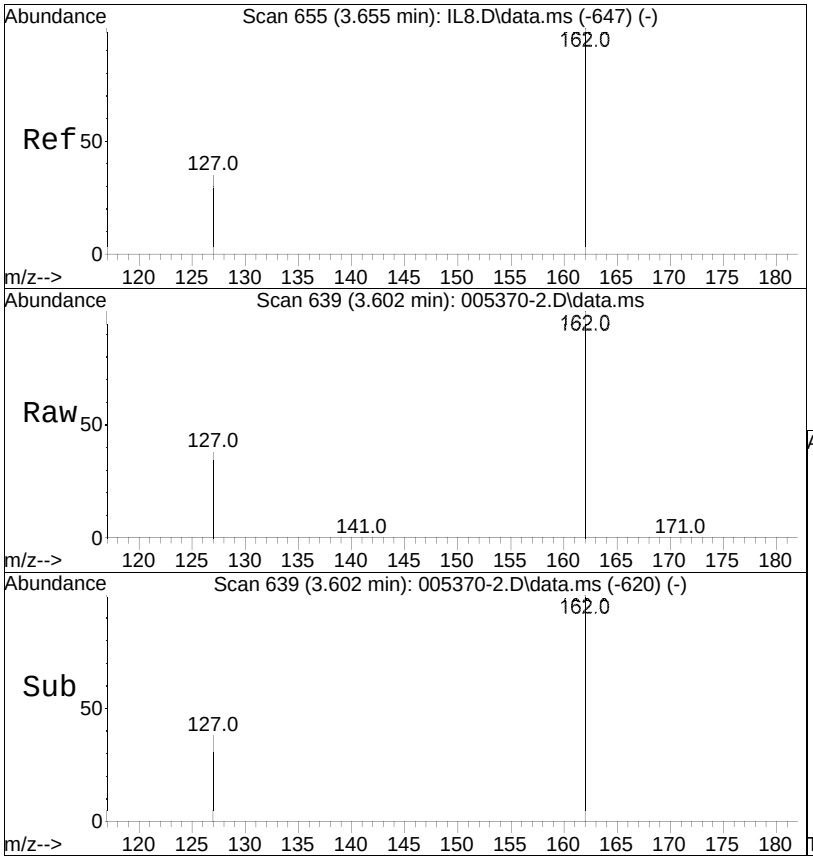


#11
2-Methylnaphthalene
Concen: 1772.14 ng/ml
RT: 3.330 min Scan# 569
Delta R.T. -0.005 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:142 Resp: 709813

Ion	Ratio	Lower	Upper
142	100		
141	91.1	74.0	111.0

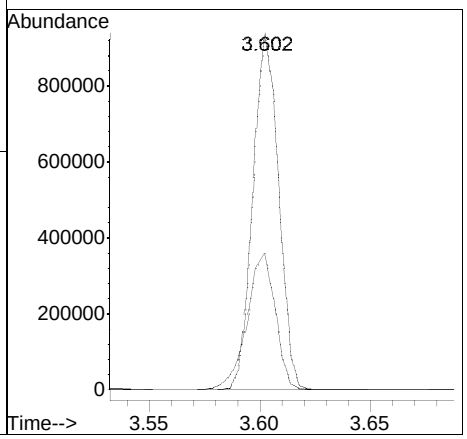


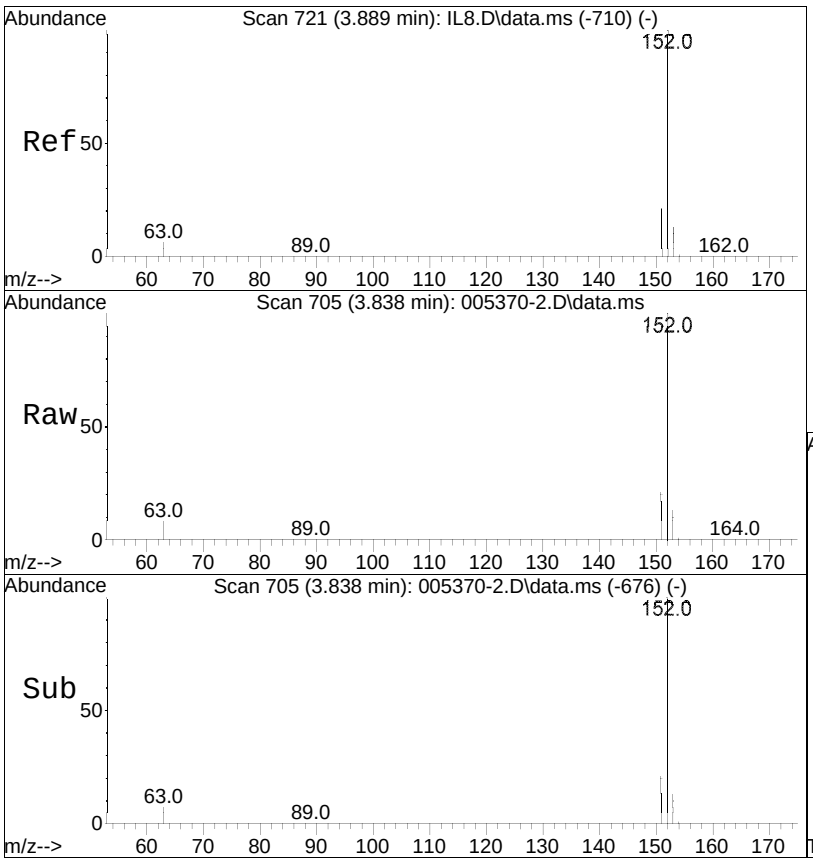


#14
2-Chloronaphthalene
Concen: 1778.24 ng/ml
RT: 3.602 min Scan# 639
Delta R.T. -0.005 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:162 Resp: 745924

Ion	Ratio	Lower	Upper
162	100		
127	42.5	30.1	45.1

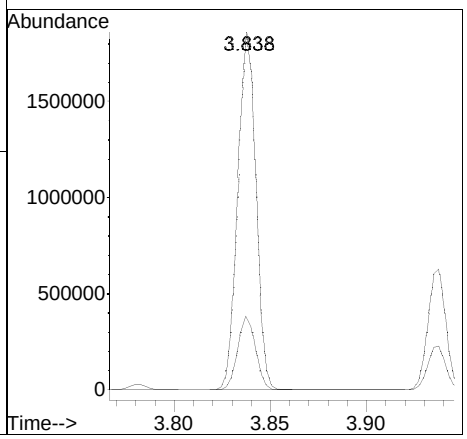


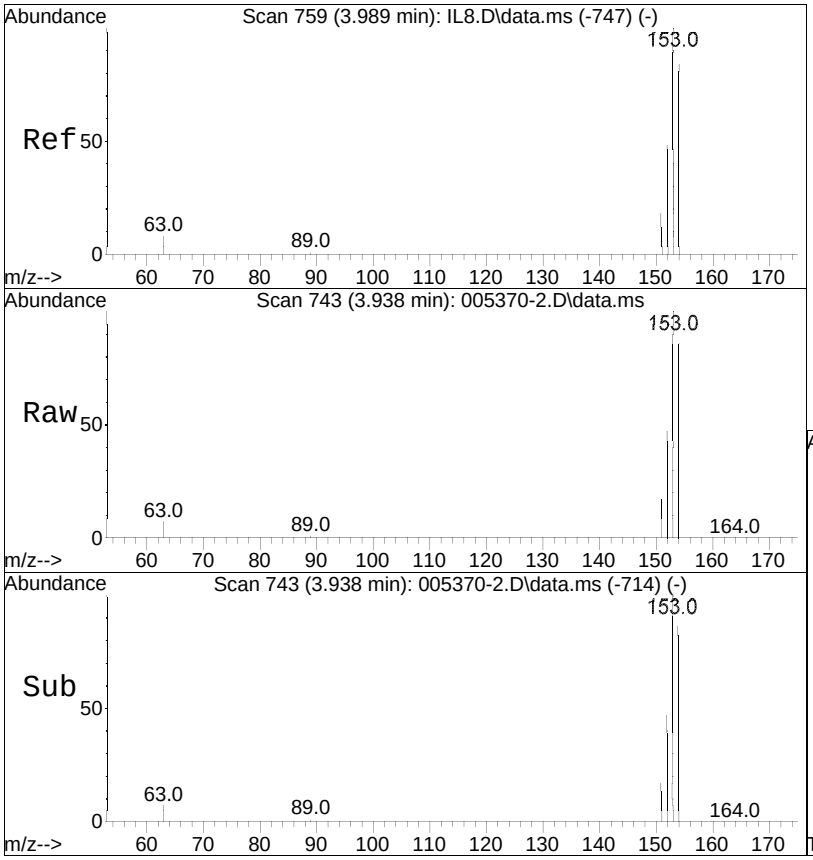


#16
Acenaphthylene
Concen: 2035.70 ng/ml
RT: 3.838 min Scan# 705
Delta R.T. -0.005 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:152 Resp: 1212012

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.5	24.7

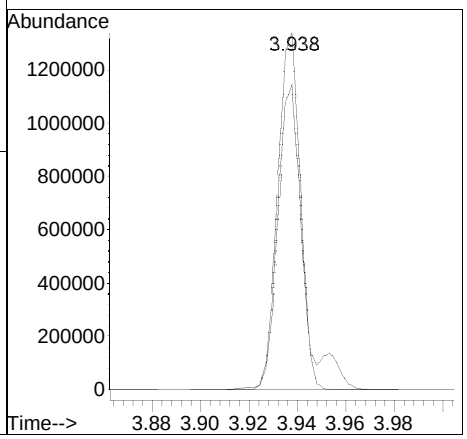


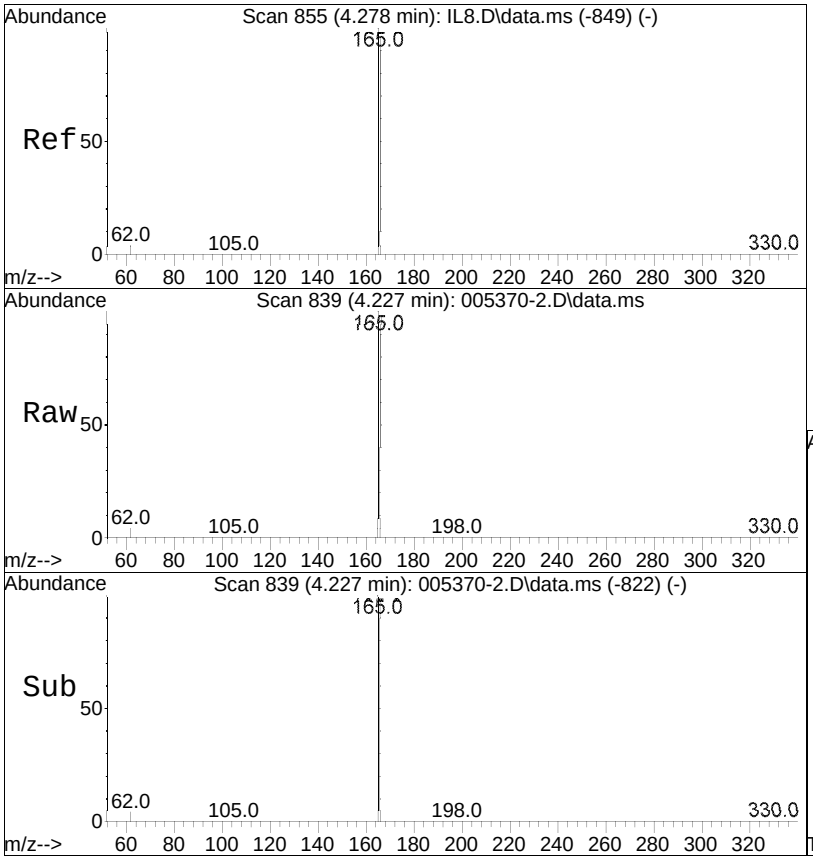


#18
Acenaphthene
Concen: 2118.41 ng/ml
RT: 3.938 min Scan# 743
Delta R.T. -0.005 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:153 Resp: 858864

Ion	Ratio	Lower	Upper
153	100		
154	87.4	74.9	112.3

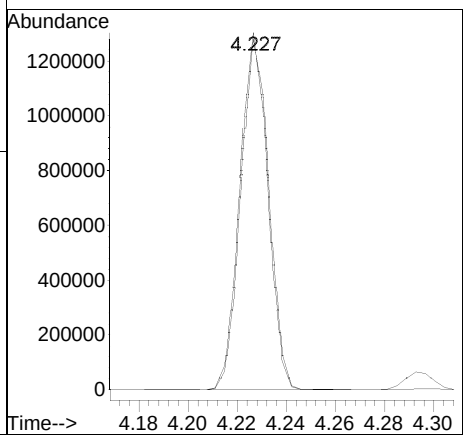


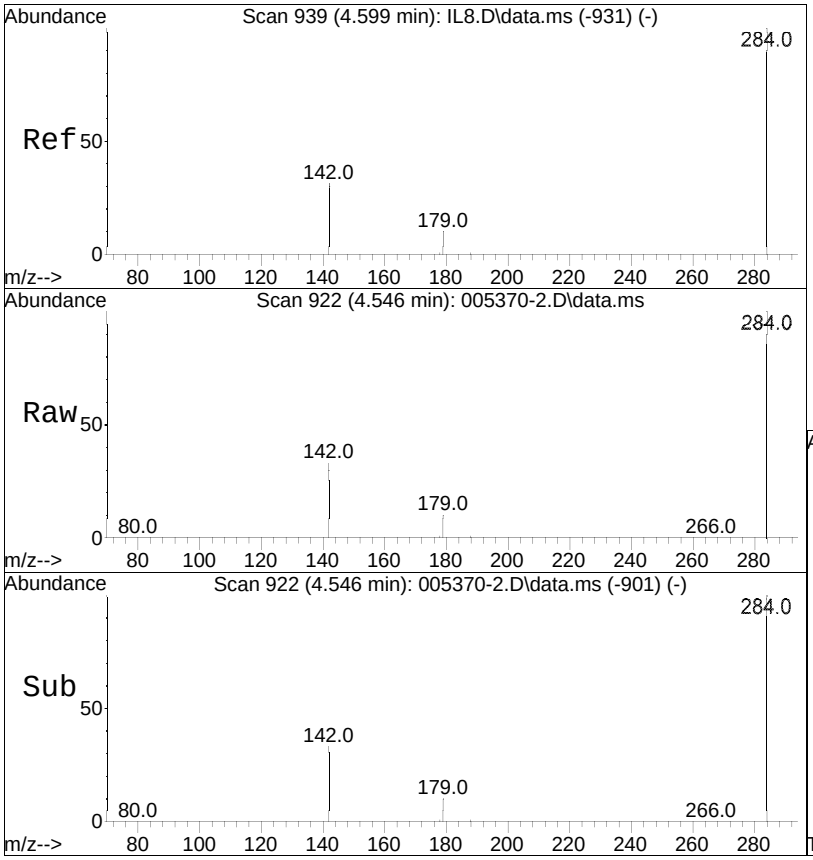


#20
Fluorene
Concen: 2269.92 ng/ml
RT: 4.227 min Scan# 839
Delta R.T. -0.006 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:166 Resp: 1016028

Ion	Ratio	Lower	Upper
166	100		
165	100.7	82.2	123.4

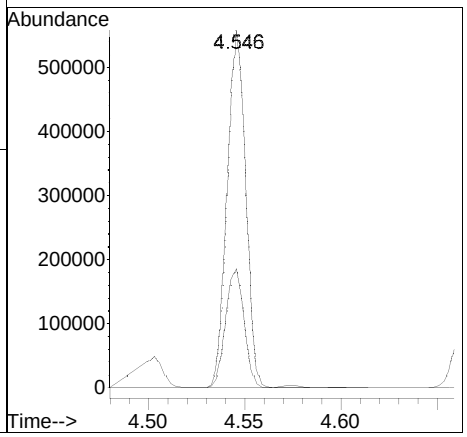


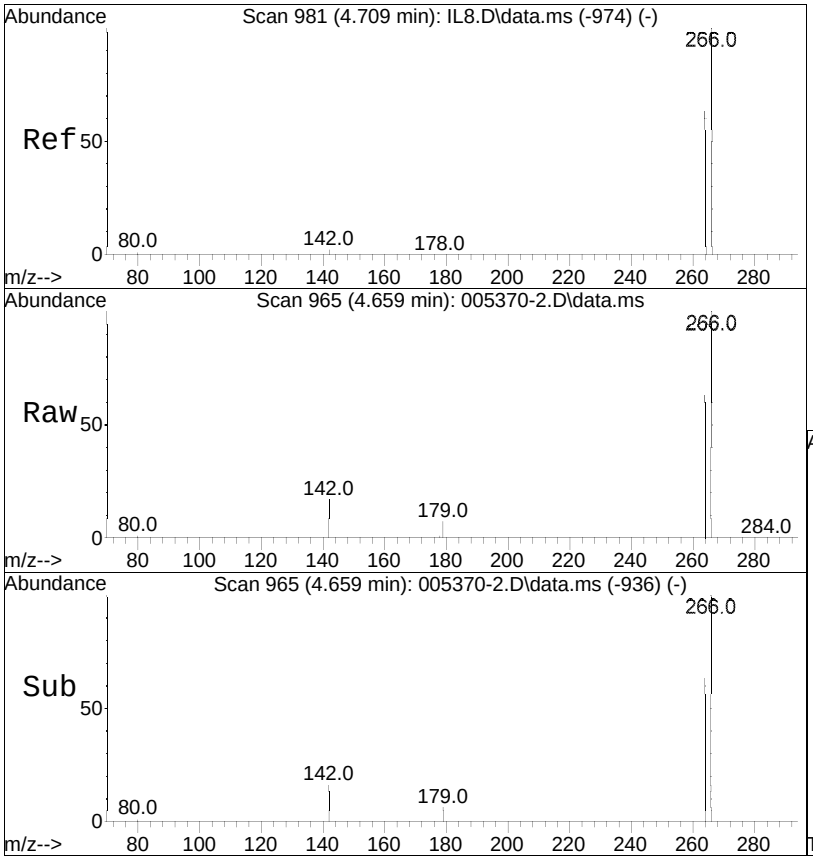


#24
Hexachlorobenzene
Concen: 2247.06 ng/ml
RT: 4.546 min Scan# 922
Delta R.T. -0.003 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:284 Resp: 367019

Ion	Ratio	Lower	Upper
284	100		
142	33.6	25.4	38.0

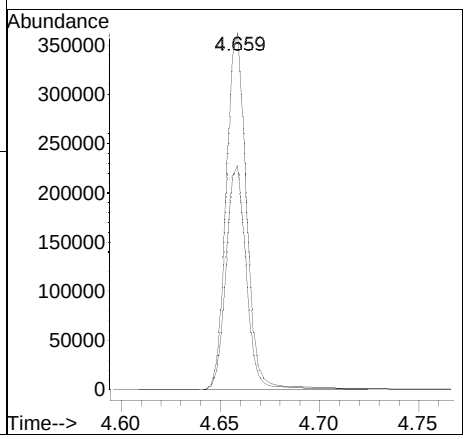


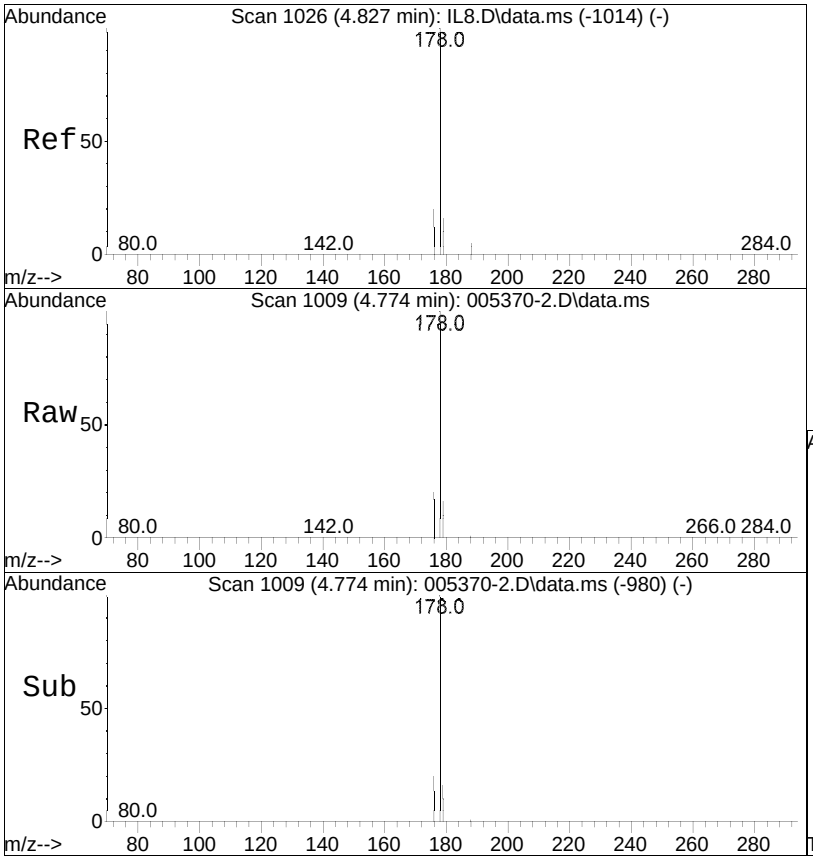


#25
Pentachlorophenol
Concen: 2566.82 ng/ml
RT: 4.659 min Scan# 965
Delta R.T. -0.003 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:266 Resp: 255451

Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.6	76.0

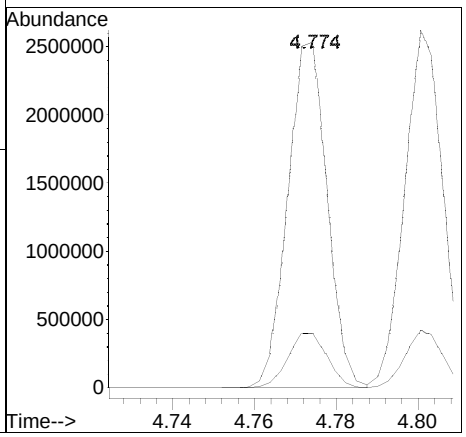


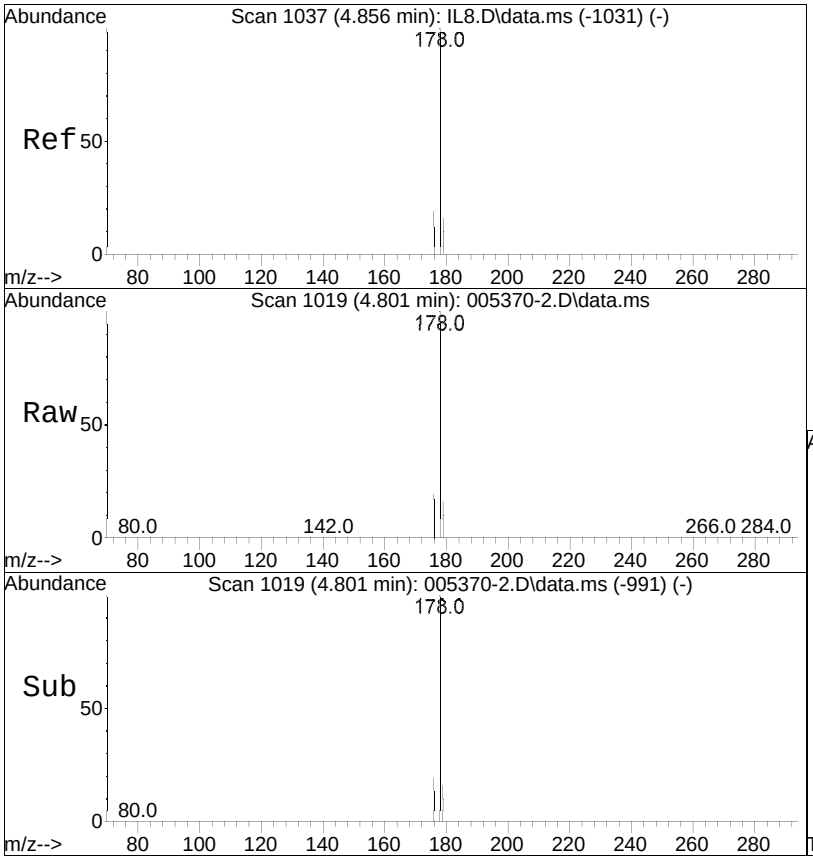


#26
Phenanthrene
Concen: 2399.94 ng/ml
RT: 4.774 min Scan# 1009
Delta R.T. -0.003 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:178 Resp: 1689514

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.8	19.2

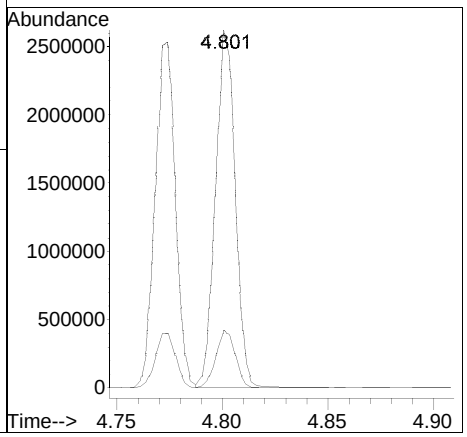


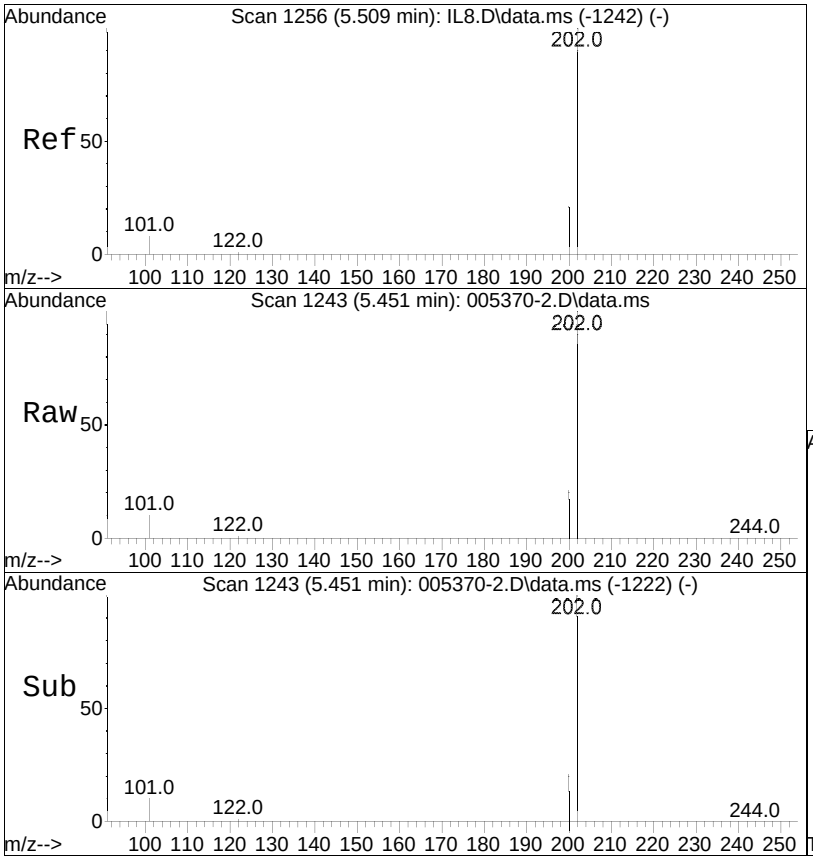


#27
Anthracene
Concen: 2511.87 ng/ml
RT: 4.801 min Scan# 1019
Delta R.T. -0.006 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:178 Resp: 1702710

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	18.8

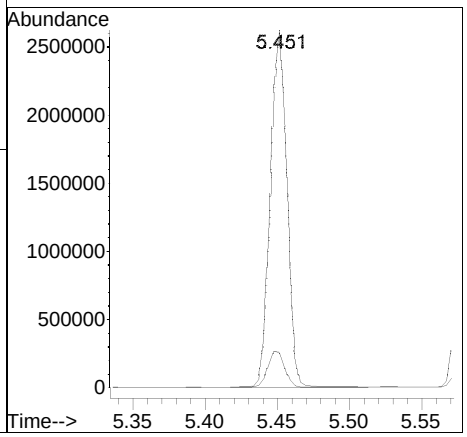


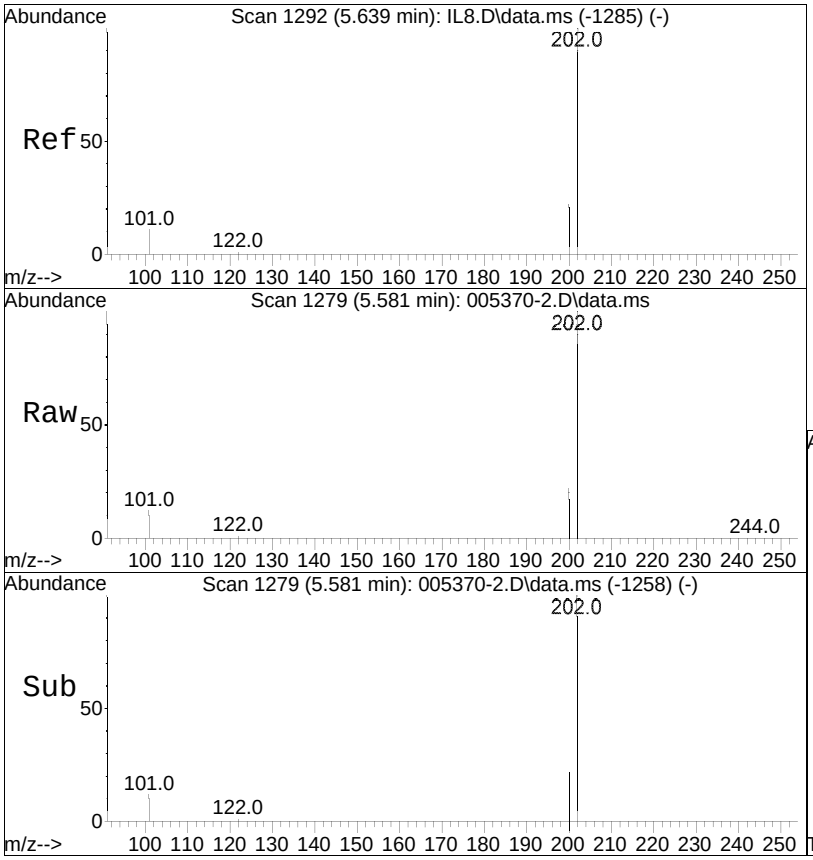


#28
Fluoranthene
Concen: 2544.07 ng/ml
RT: 5.451 min Scan# 1243
Delta R.T. -0.004 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:202 Resp: 2056986

Ion	Ratio	Lower	Upper
202	100		
101	10.6	7.7	11.5

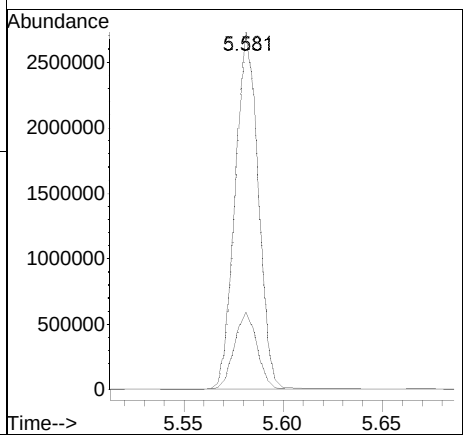


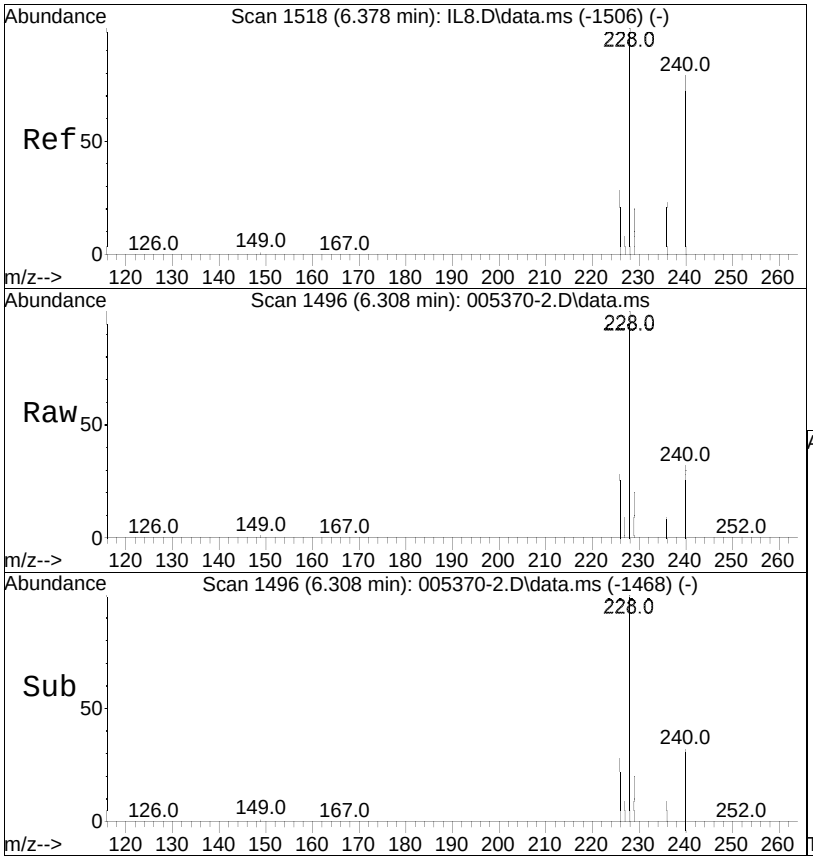


#29
Pyrene
Concen: 2551.53 ng/ml
RT: 5.581 min Scan# 1279
Delta R.T. -0.004 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:202 Resp: 2180155

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9

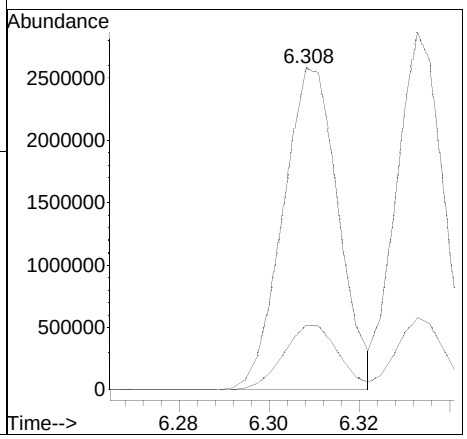


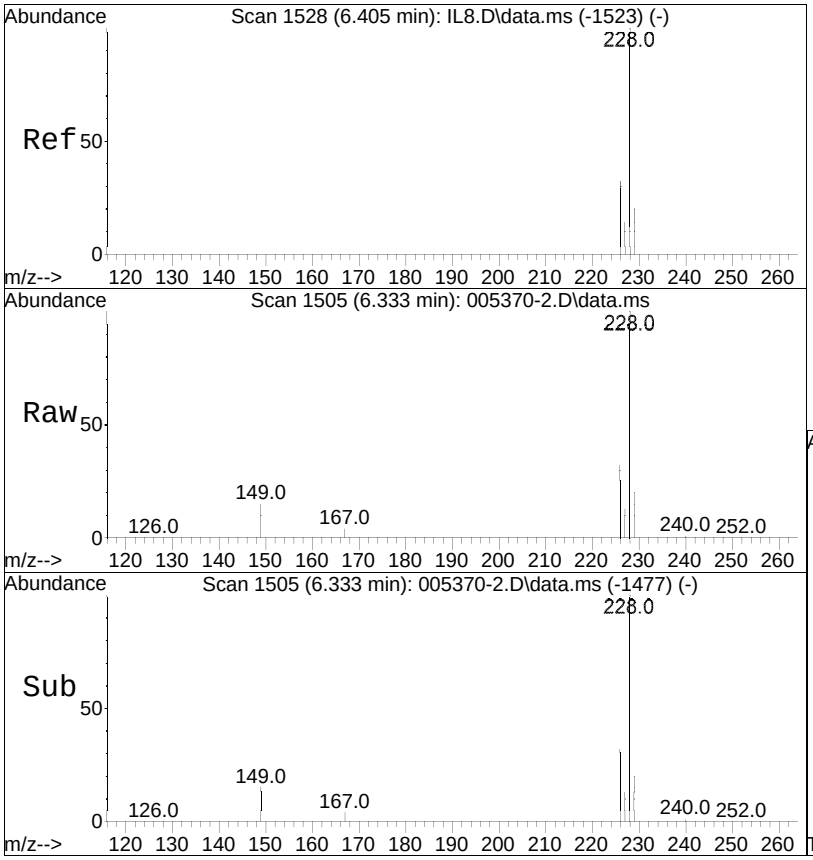


#32
Benzo[a]anthracene
Concen: 2893.50 ng/ml
RT: 6.308 min Scan# 1496
Delta R.T. -0.004 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:228 Resp: 2207459

Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.9	23.9

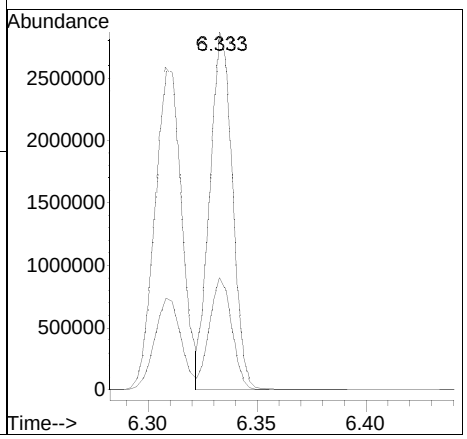


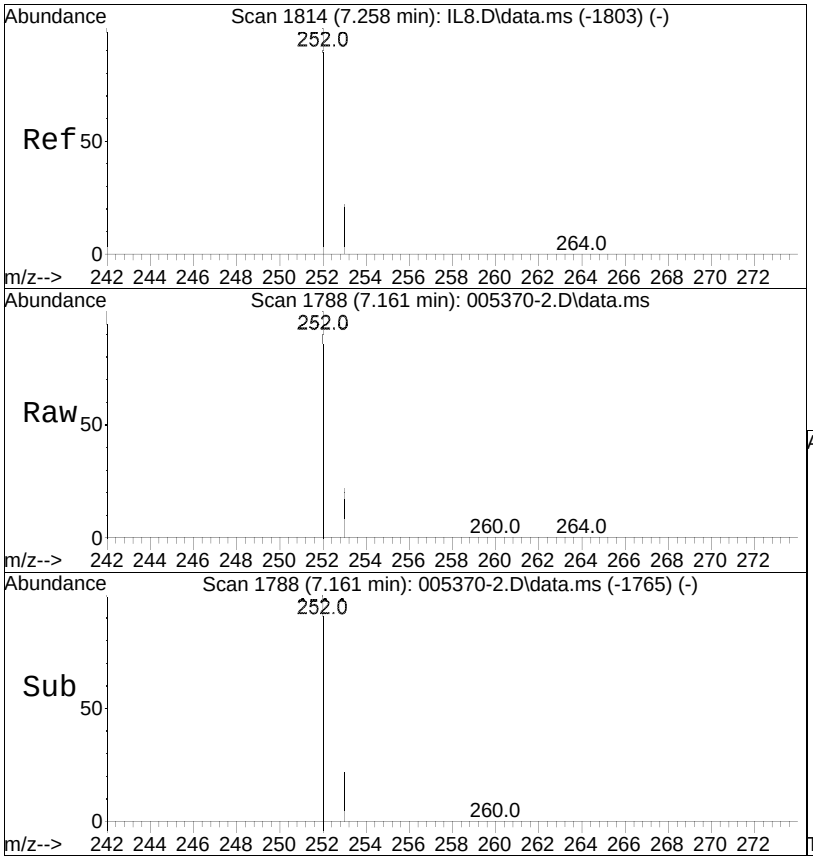


#34
Chrysene
Concen: 2878.95 ng/ml
RT: 6.333 min Scan# 1505
Delta R.T. -0.004 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:228 Resp: 2063370

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6

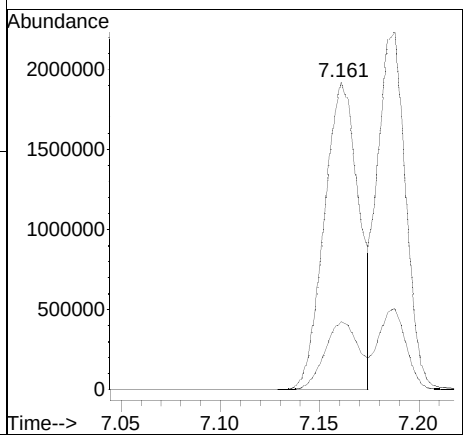


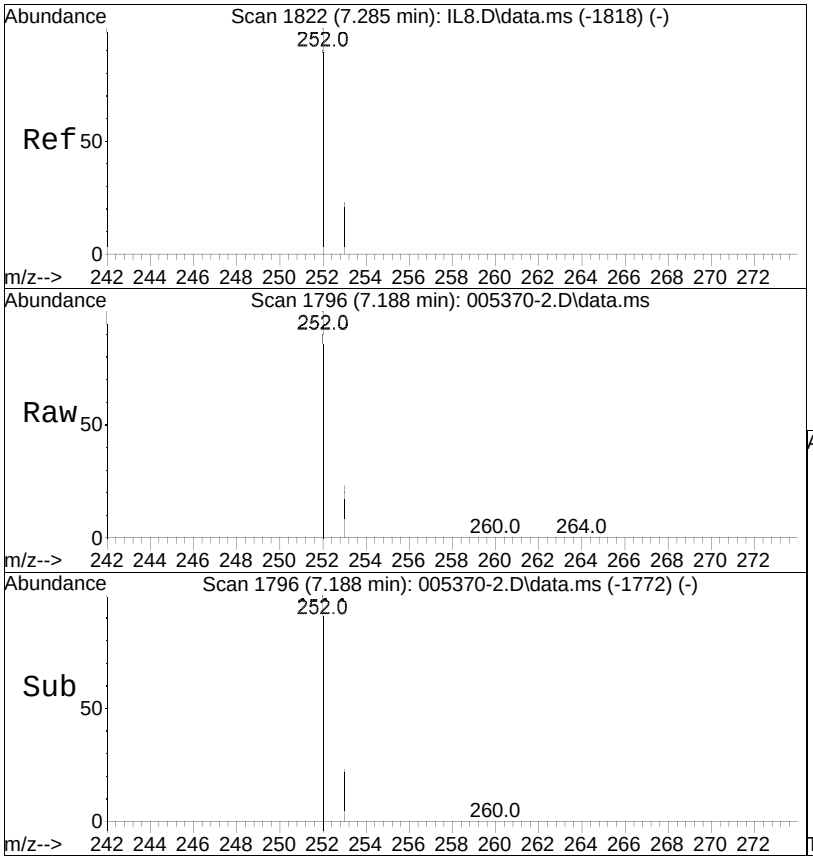


#37
Benzo[b]fluoranthene
Concen: 2907.56 ng/ml
RT: 7.161 min Scan# 1788
Delta R.T. -0.004 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:252 Resp: 2343950

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4

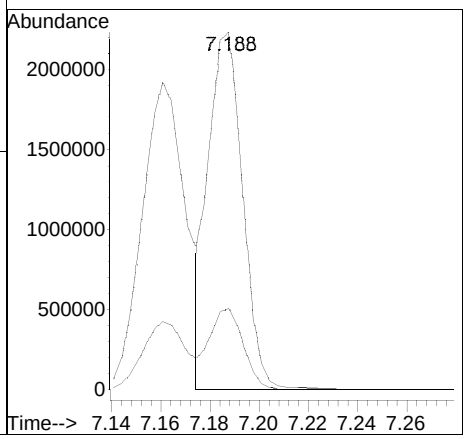


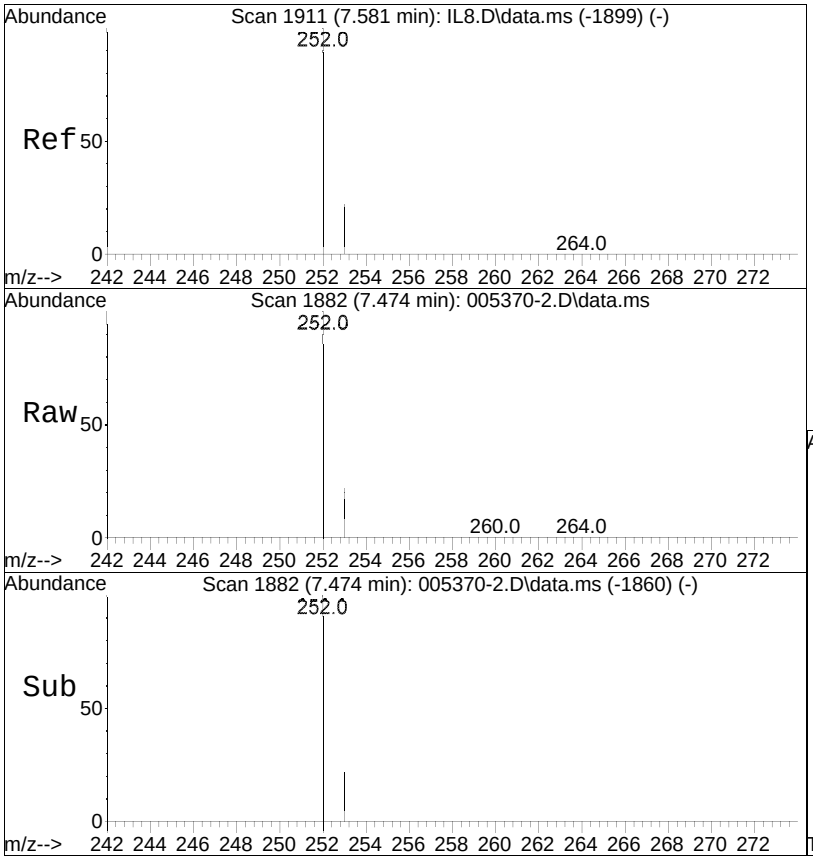


#38
Benzo[k]fluoranthene
Concen: 2917.73 ng/ml
RT: 7.188 min Scan# 1796
Delta R.T. -0.000 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:252 Resp: 2149608

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8

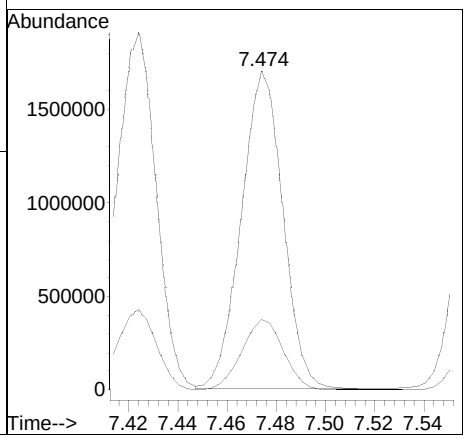


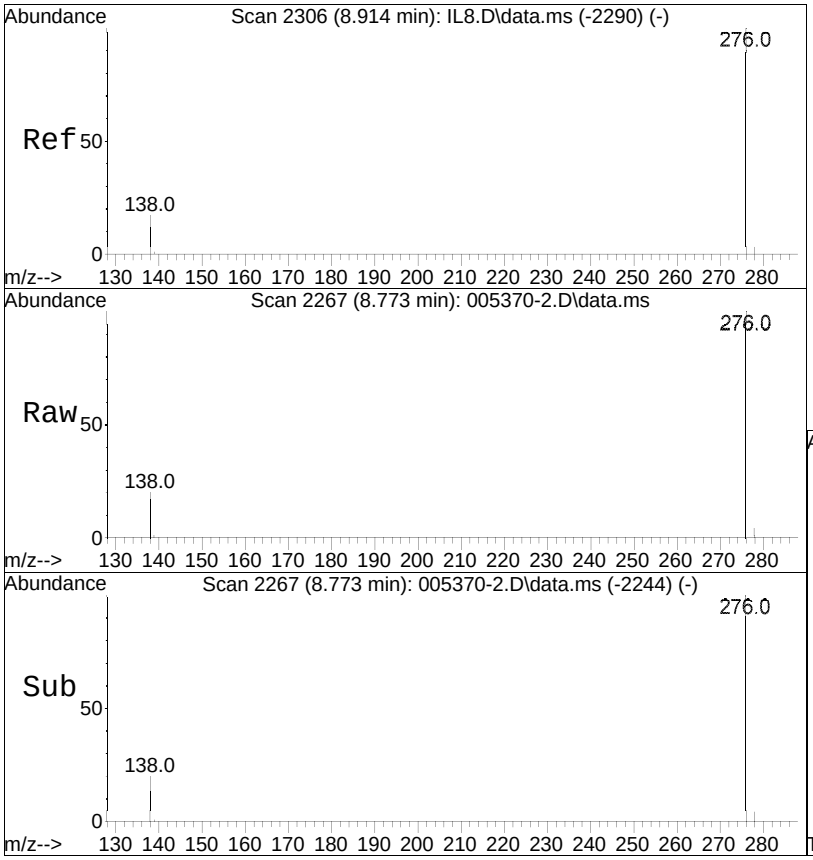


#39
Benzo[a]pyrene
Concen: 2964.37 ng/ml
RT: 7.474 min Scan# 1882
Delta R.T. -0.007 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:252 Resp: 1982005

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3

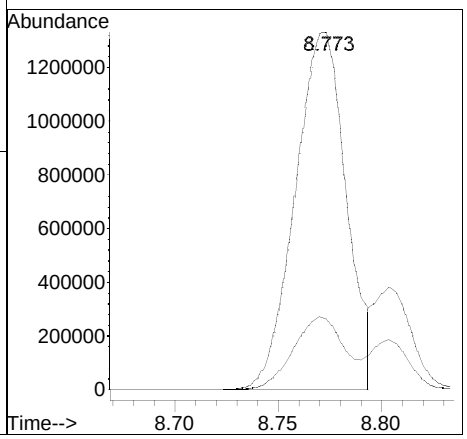


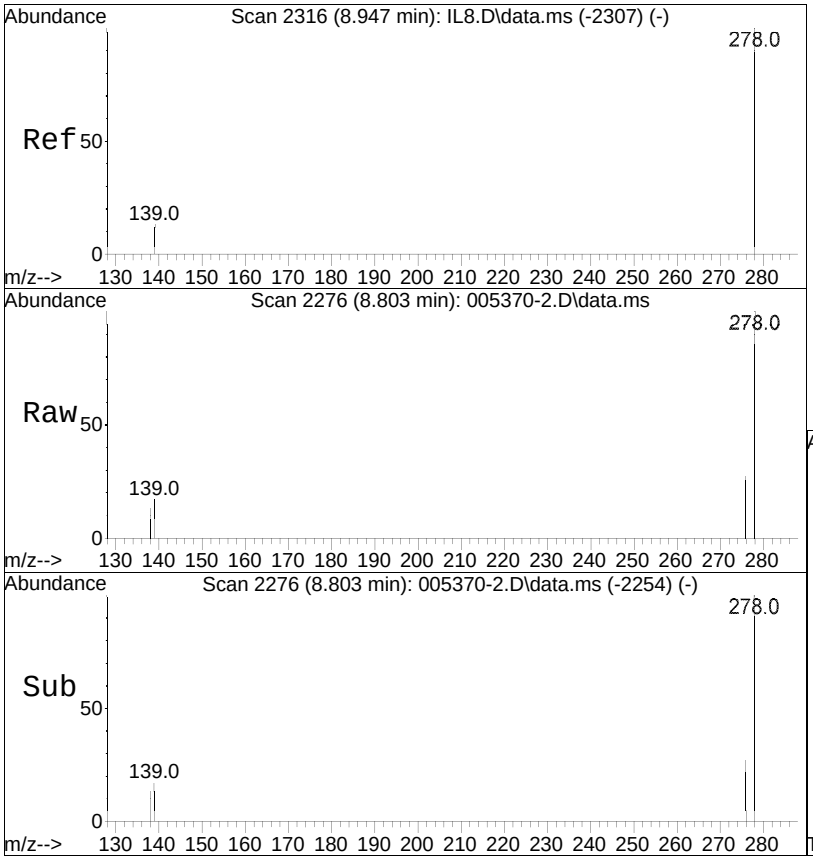


#40
Indeno[1,2,3-cd]pyrene
Concen: 3173.34 ng/ml
RT: 8.773 min Scan# 2267
Delta R.T. -0.004 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:276 Resp: 2278667

Ion	Ratio	Lower	Upper
276	100		
138	20.8	13.3	19.9#

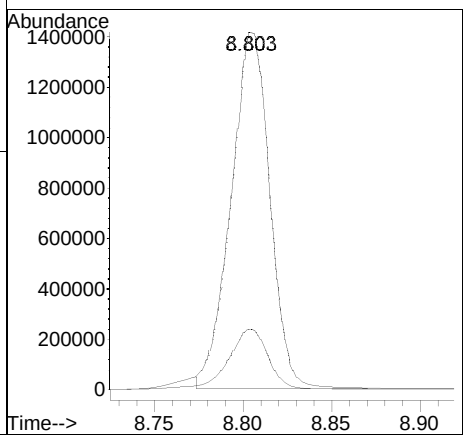


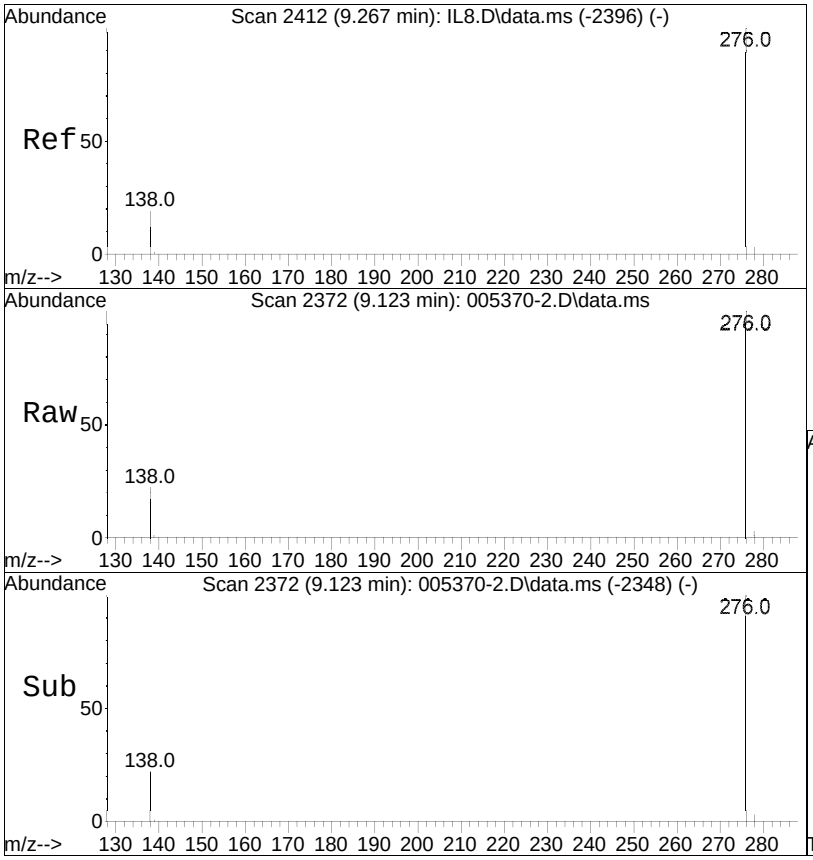


#41
Dibenzo[a,h]anthracene
Concen: 3244.77 ng/ml M6
RT: 8.803 min Scan# 2276
Delta R.T. -0.007 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:278 Resp: 2146116

Ion	Ratio	Lower	Upper
278	100		
139	17.5	11.1	16.7#

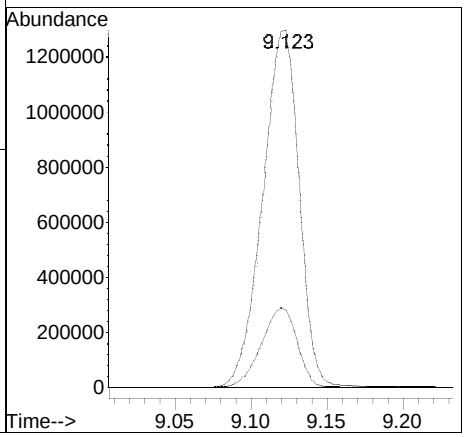




#42
Benzo[g,h,i]perylene
Concen: 3066.62 ng/ml
RT: 9.123 min Scan# 2372
Delta R.T. -0.000 min
Lab File: 005370-2.D
Acq: 05 Dec 2024 12:06 pm

Tgt Ion:276 Resp: 2139537

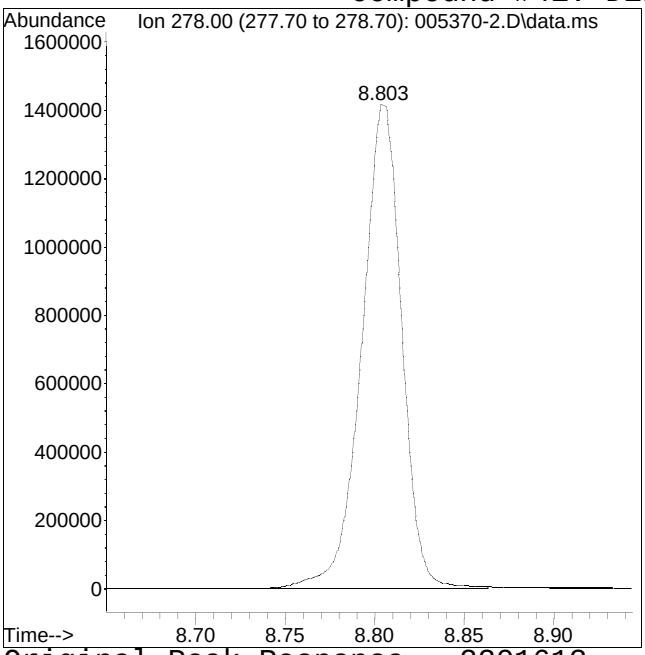
Ion	Ratio	Lower	Upper
276	100		
138	22.2	14.6	22.0#



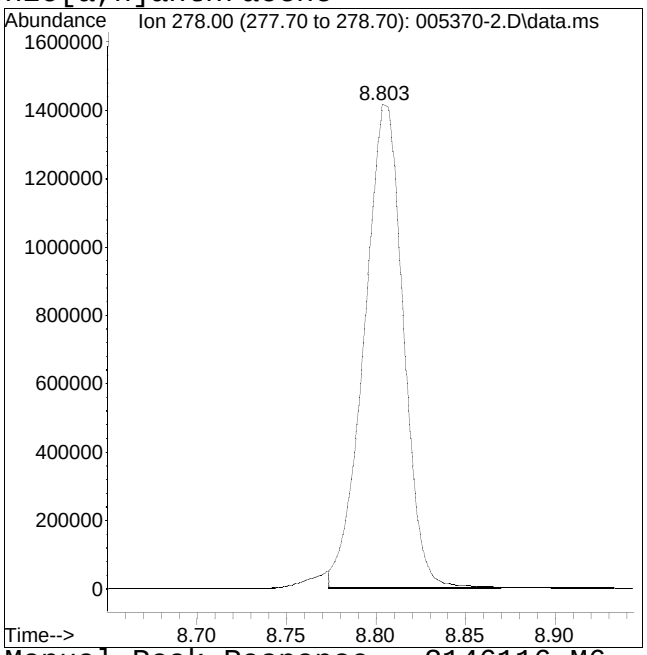
Manual Integration Report

Data Path : I:\8270SIM\SV125\241205RVTQMethod : SIM-RVT_241105n_sv125.M
Data File : 005370-2.D Operator : SV125:dv
Date Inj'd : 12/5/2024 12:06 pm Instrument : SV125
Sample : WG2005370-2,32,,kmh Quant Date : 12/5/2024 12:22 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2201613



Manual Peak Response = 2146116 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241207RVT\
Data File : 006013-2.D
Acq On : 07 Dec 2024 02:58 pm
Operator : SV120:kmh
Sample : WG2006013-2,32,,rp
Misc : WG2006437,WG2006013,ical21668
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 08 12:53:29 2024
Quant Method : I:\8270sim\sv120\241207RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 07 13:00:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241207RVT\ccv1207.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.265	152	193785	4000.000	ng/ml	0.00
Standard Area 1 = 211326			Recovery = 91.70%			
8) Naphthalene-d8	2.927	136	769157	4000.000	ng/ml	# 0.00
Standard Area 1 = 819581			Recovery = 93.85%			
17) Acenaphthene-d10	3.905	164	394773	4000.000	ng/ml	0.00
Standard Area 1 = 466122			Recovery = 84.69%			
22) Phenanthrene-d10	4.748	188	704361	4000.000	ng/ml	0.00
Standard Area 1 = 914482			Recovery = 77.02%			
31) Chrysene-d12	6.308	240	542559	4000.000	ng/ml	-0.02
Standard Area 1 = 767447			Recovery = 70.70%			
36) Perylene-d12	7.531	264	517185	4000.000	ng/ml	-0.03
Standard Area 1 = 730050			Recovery = 70.84%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.704	112	62052	1087.865	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.39%			
3) Phenol-d6	2.084	99	58385	833.036	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 41.65%			
7) Nitrobenzene-d5	2.544	82	47754	771.802	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 77.18%			
13) 2-Fluorobiphenyl	3.524	172	109392	705.627	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 70.56%			
21) 2,4,6-Tribromophenol	4.352	330	34530	2197.239	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 109.86%			
30) 4-Terphenyl-d14	5.664	244	114981	897.757	ng/ml	-0.01
Spiked Amount 2000.000	Range 30 - 130		Recovery = 44.89%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.129	93	100479	1720.039	ng/ml	98
5) n-nitrosodi-n-propylamine	2.463	70	79017	1869.336	ng/ml	98
6) Hexachloroethane	2.521	117	30656	1208.373	ng/ml	98
9) Naphthalene	2.937	128	283848	1476.277	ng/ml	100
10) Hexachlorobutadiene	3.007	225	44451	1220.100	ng/ml	100
11) 2-Methylnaphthalene	3.318	142	199845	1497.122	ng/ml	100
12) 1-Methylnaphthalene	3.374	142	184948	1506.327	ng/ml	100
14) 2-Chloronaphthalene	3.590	162	203703	1537.264	ng/ml	93
15) 2,6-Dinitrotoluene	3.786	165	59101	1970.477	ng/ml	98
16) Acenaphthylene	3.825	152	323340	1692.436	ng/ml	100
18) Acenaphthene	3.922	153	223394	1874.746	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241207RVT\
Data File : 006013-2.D
Acq On : 07 Dec 2024 02:58 pm
Operator : SV120:kmh
Sample : WG2006013-2,32,,rp
Misc : WG2006437,WG2006013,ical21668
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 08 12:53:29 2024
Quant Method : I:\8270sim\sv120\241207RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 07 13:00:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241207RVT\ccv1207.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.016	165	80980	2440.831	ng/ml	99
20) Fluorene	4.214	166	266207	2064.644	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.247	198	44524	2112.647	ng/ml	98
24) Hexachlorobenzene	4.534	284	89882	2415.814	ng/ml	99
25) Pentachlorophenol	4.648	266	53714	2474.023	ng/ml	99
26) Phenanthrene	4.762	178	396261	2360.786	ng/ml	100
27) Anthracene	4.790	178	398052	2292.104	ng/ml	100
28) Fluoranthene	5.442	202	453014	2343.251	ng/ml	98
29) Pyrene	5.574	202	465042	2332.773	ng/ml	100
32) Benzo[a]anthracene	6.298	228	406176	2451.134	ng/ml	98
33) 3,3'-Dichlorobenzidine	6.284	252	137925	2351.740	ng/ml	99
34) Chrysene	6.323	228	382475	2662.813	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.321	149	304201	3168.428	ng/ml	99
37) Benzo[b]fluoranthene	7.153	252	375740	2394.306	ng/ml	97
38) Benzo[k]fluoranthene	7.179	252	370377	2625.339	ng/ml	97
39) Benzo[a]pyrene	7.468	252	327458	2547.530	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.774	276	337627	2568.750	ng/ml	95
41) Dibenzo[a,h]anthracene	8.809	278	300607M6	2434.517	ng/ml	
42) Benzo[g,h,i]perylene	9.123	276	309490	2424.443	ng/ml	95

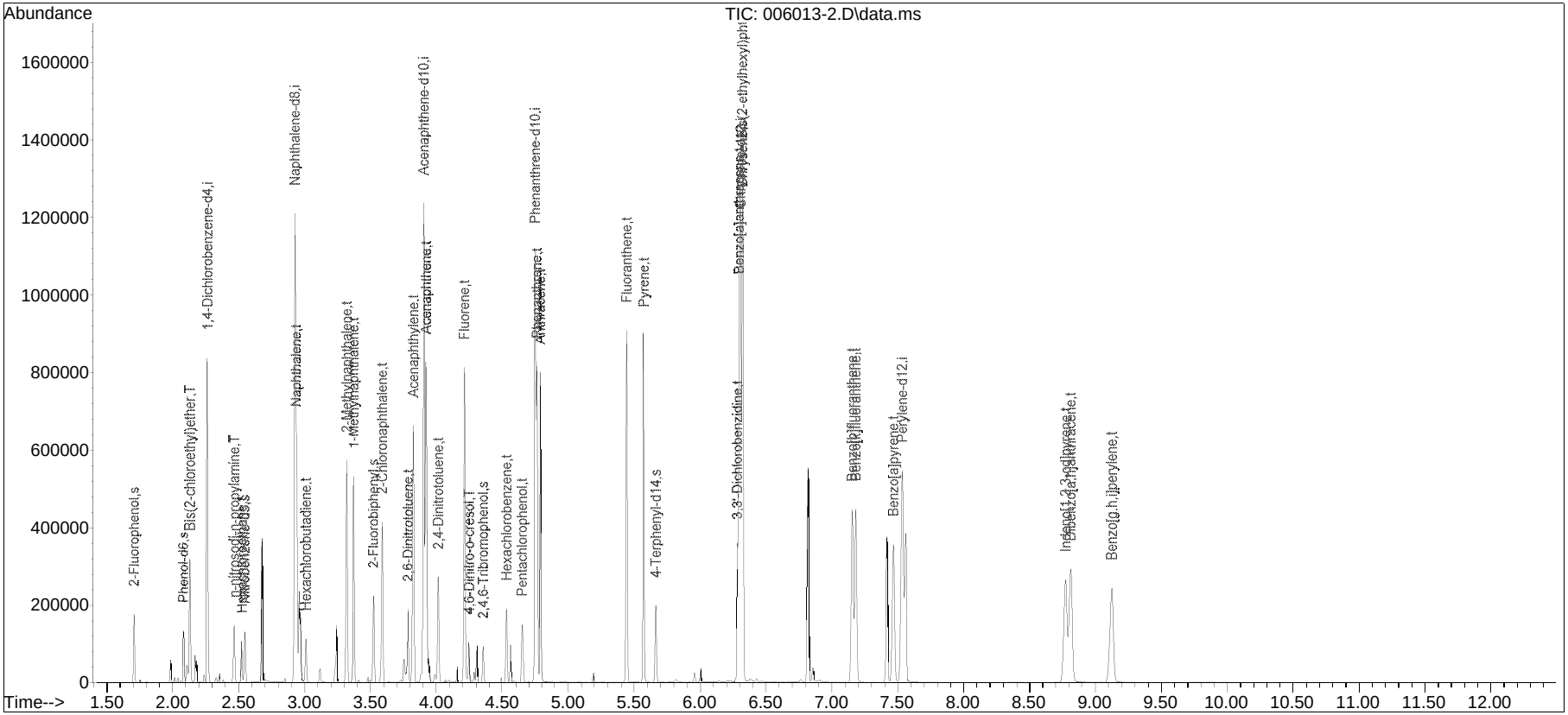
(#) = qualifier out of range (m) = manual integration (+) = signals summed

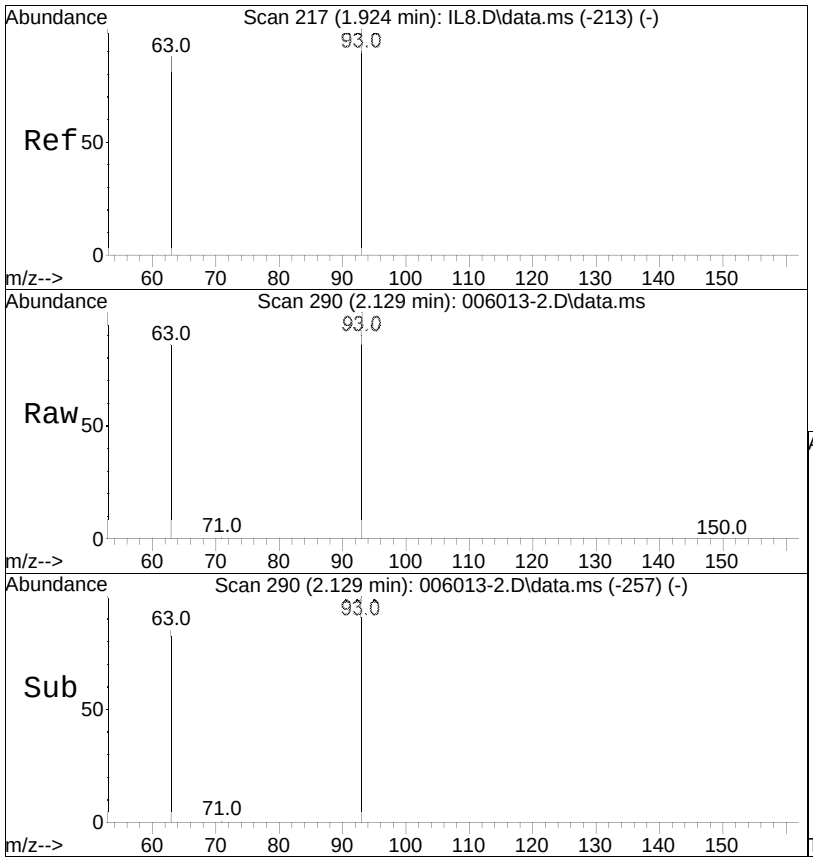
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241207RVT\
Data File : 006013-2.D
Acq On : 07 Dec 2024 02:58 pm
Operator : SV120:kmh
Sample : WG2006013-2,32,,rp
Misc : WG2006437,WG2006013,ical21668
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 08 12:53:29 2024
Quant Method : I:\8270sim\sv120\241207RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 07 13:00:47 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1207.D•

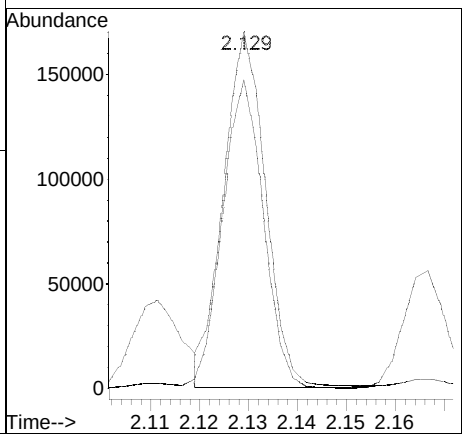


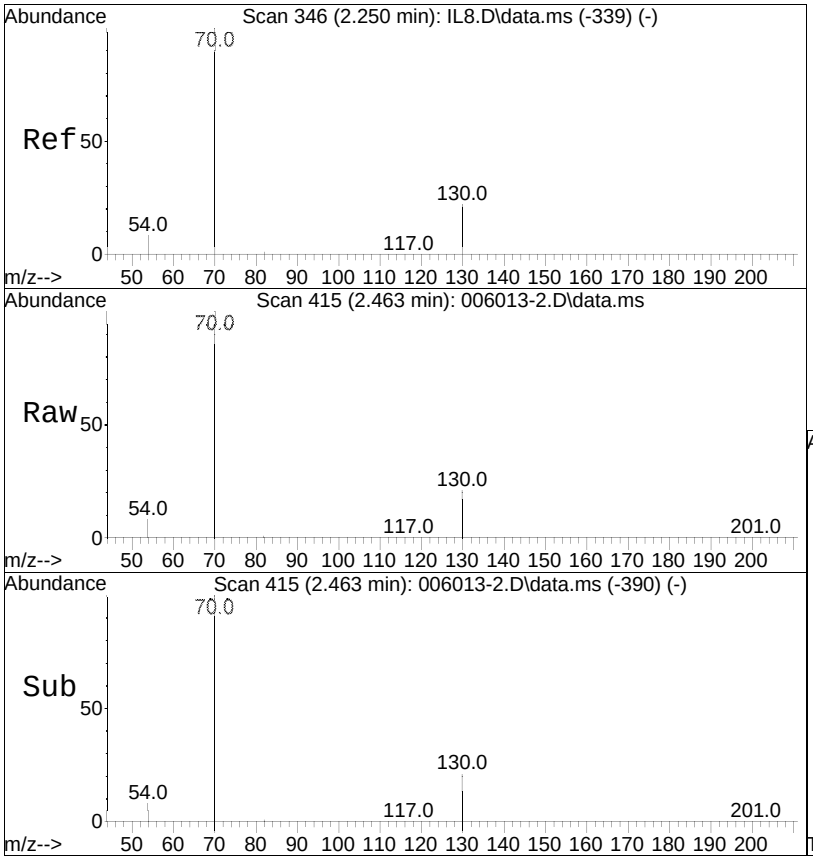


#4
Bis(2-chloroethyl)ether
Concen: 1720.04 ng/ml
RT: 2.129 min Scan# 290
Delta R.T. 0.002 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion: 93 Resp: 100479

Ion	Ratio	Lower	Upper
93	100		
63	84.4	68.7	103.1

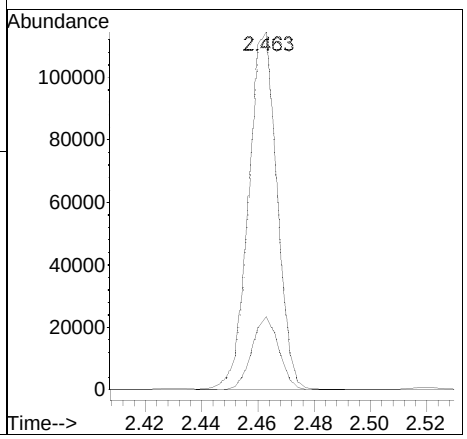


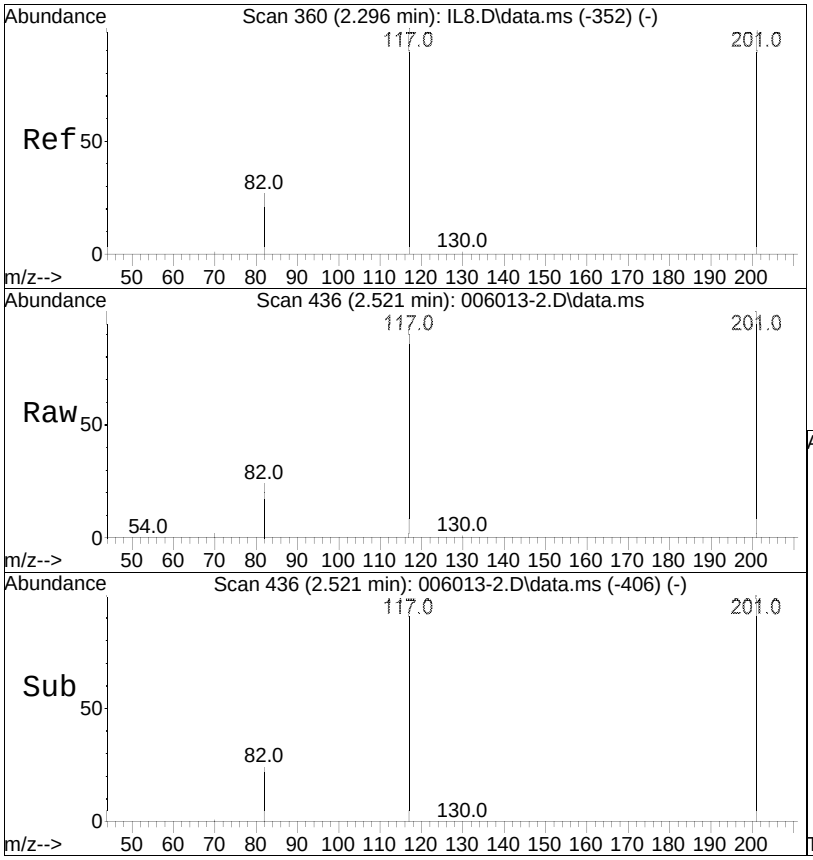


#5
n-nitrosodi-n-propylamine
Concen: 1869.34 ng/ml
RT: 2.463 min Scan# 415
Delta R.T. 0.003 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion: 70 Resp: 79017

Ion	Ratio	Lower	Upper
70	100		
130	19.5	16.6	24.8

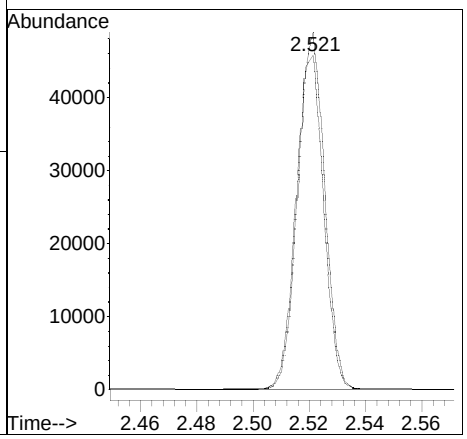


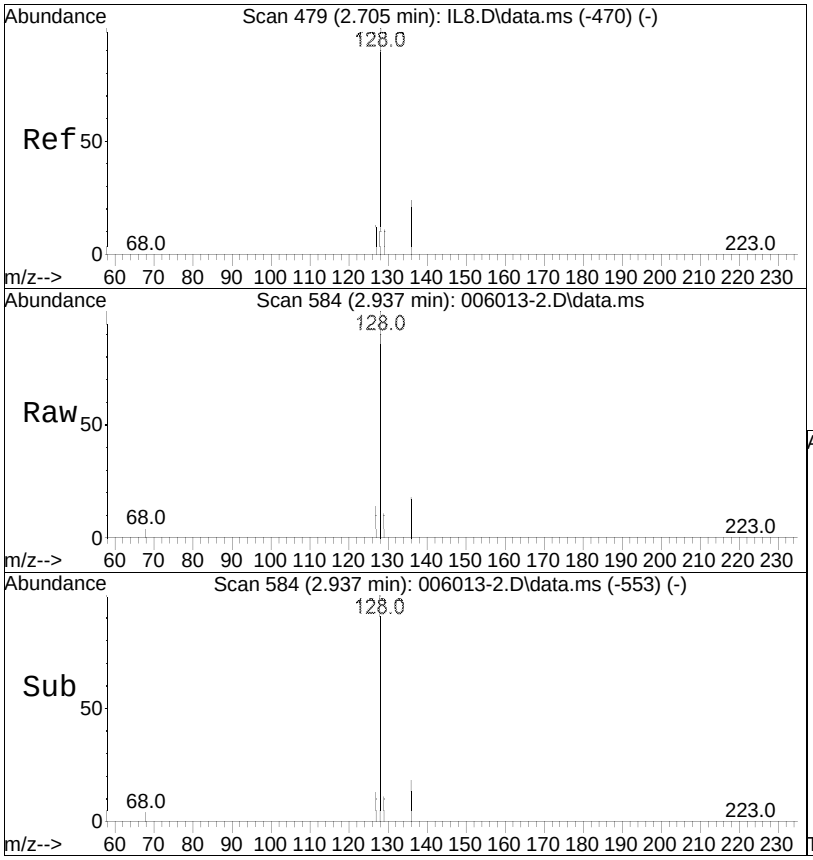


#6
Hexachloroethane
Concen: 1208.37 ng/ml
RT: 2.521 min Scan# 436
Delta R.T. 0.003 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:117 Resp: 30656

Ion	Ratio	Lower	Upper
117	100		
201	104.1	82.0	123.0

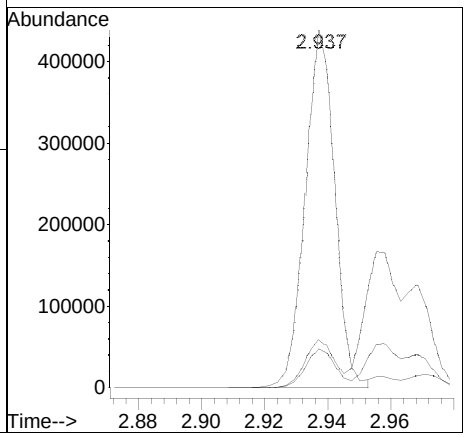


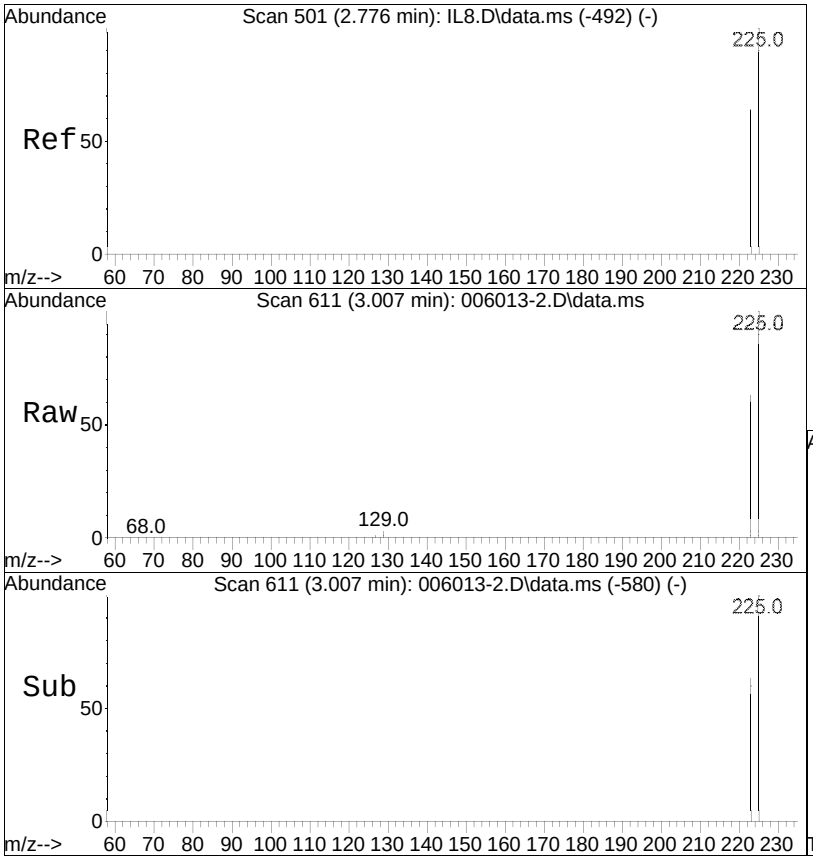


#9
Naphthalene
Concen: 1476.28 ng/ml
RT: 2.937 min Scan# 584
Delta R.T. 0.000 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:128 Resp: 283848

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.5	10.7	16.1

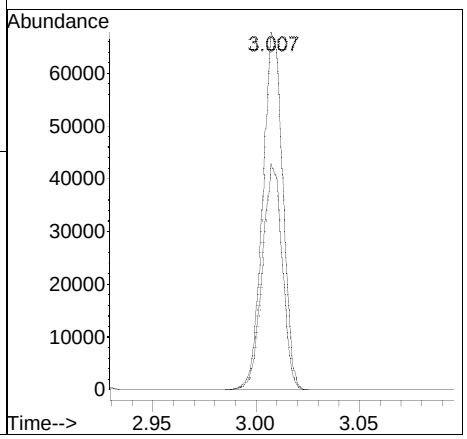


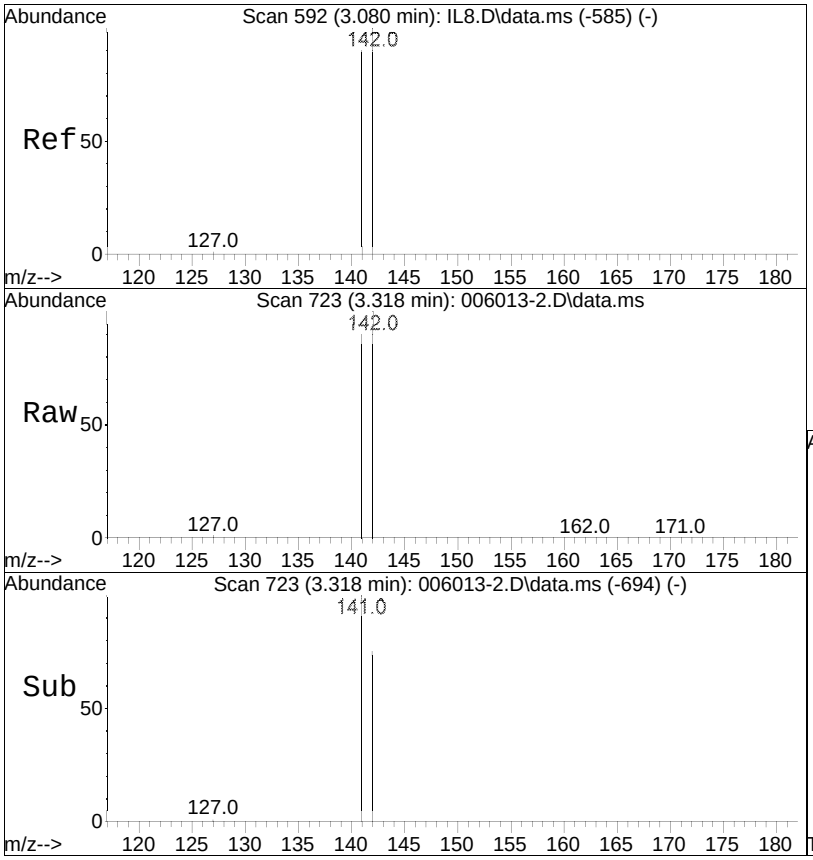


#10
Hexachlorobutadiene
Concen: 1220.10 ng/ml
RT: 3.007 min Scan# 611
Delta R.T. 0.000 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:225 Resp: 44451

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.5	75.7

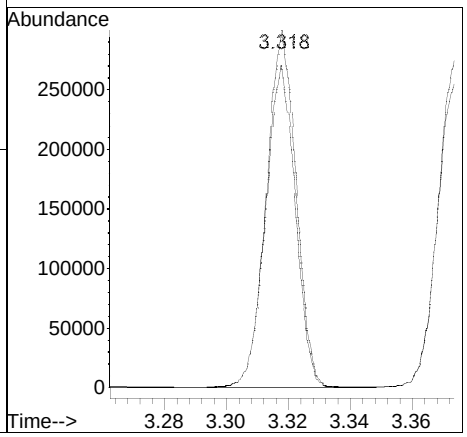


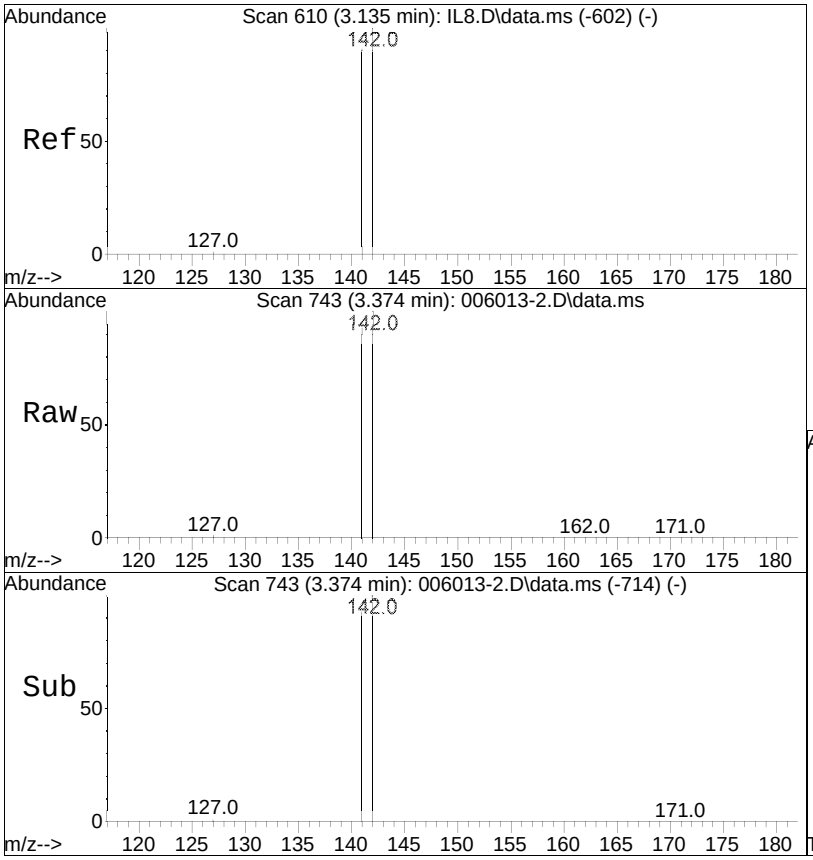


#11
2-Methylnaphthalene
Concen: 1497.12 ng/ml
RT: 3.318 min Scan# 723
Delta R.T. -0.000 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:142 Resp: 199845

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.2	108.2

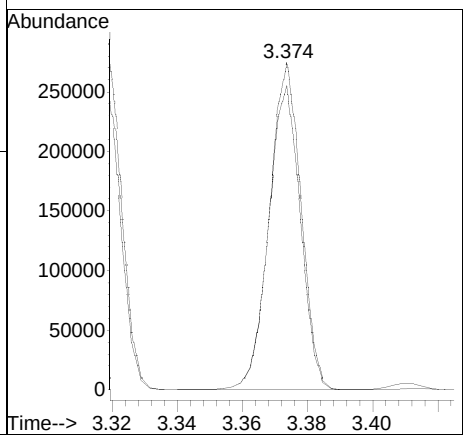


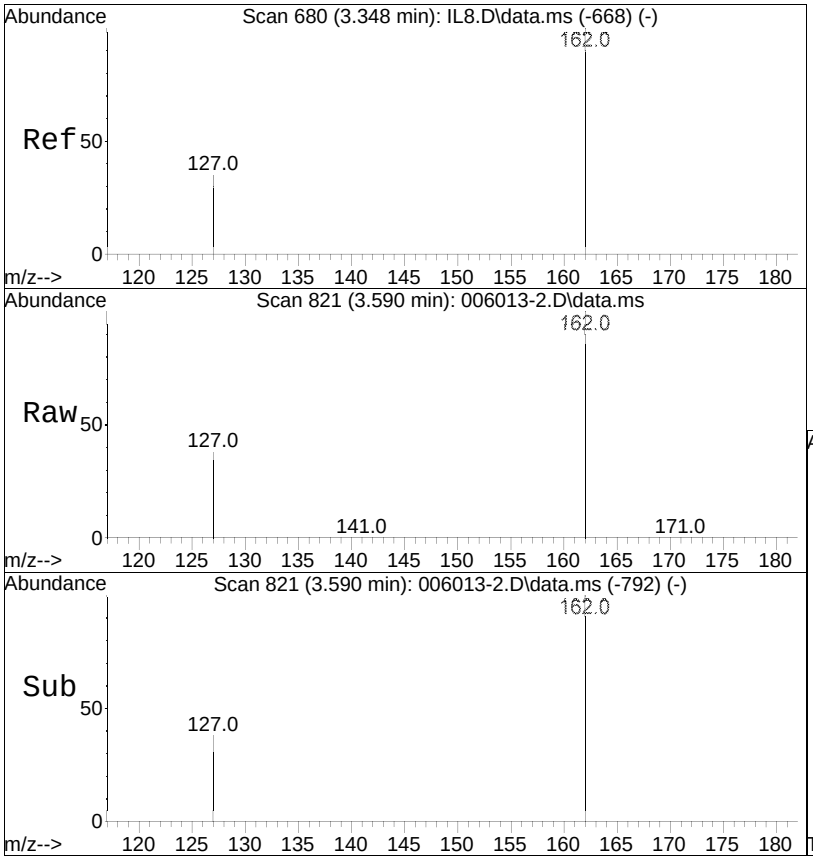


#12
1-Methylnaphthalene
Concen: 1506.33 ng/ml
RT: 3.374 min Scan# 743
Delta R.T. -0.000 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:142 Resp: 184948

Ion	Ratio	Lower	Upper
142	100		
141	93.5	74.6	112.0

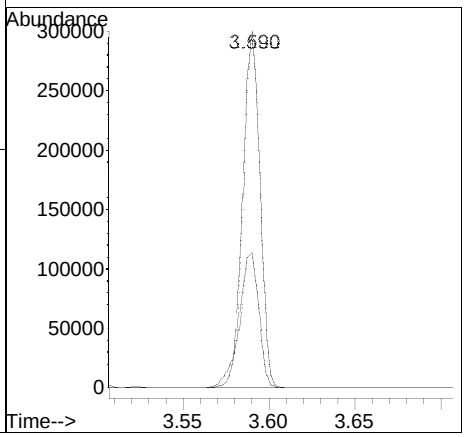


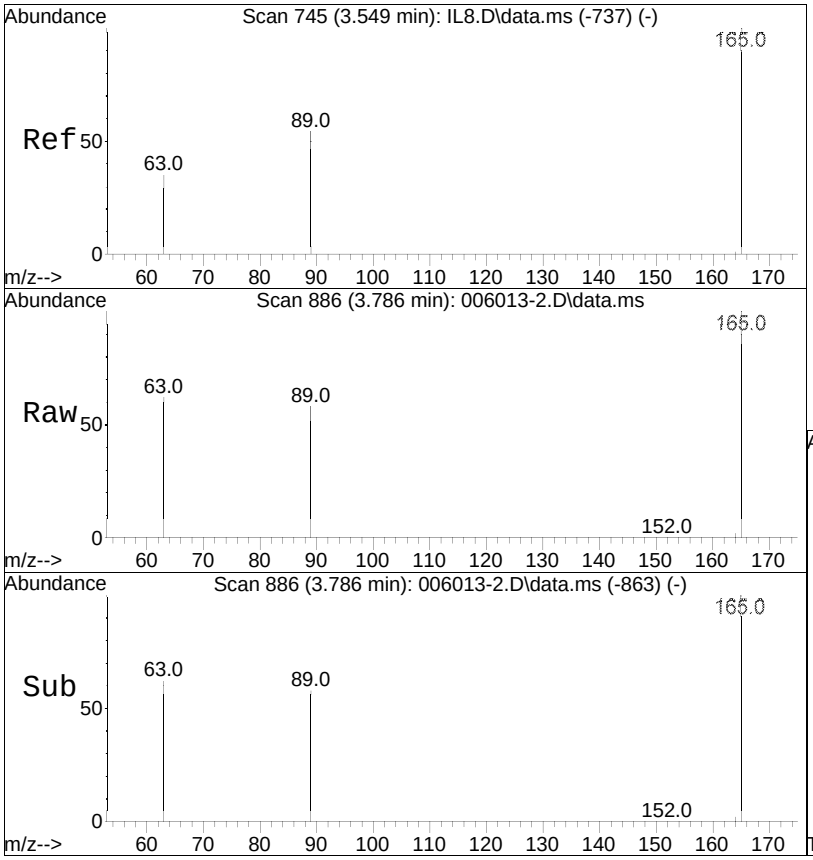


#14
2-Chloronaphthalene
Concen: 1537.26 ng/ml
RT: 3.590 min Scan# 821
Delta R.T. -0.000 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:162 Resp: 203703

Ion	Ratio	Lower	Upper
162	100		
127	43.2	31.0	46.4

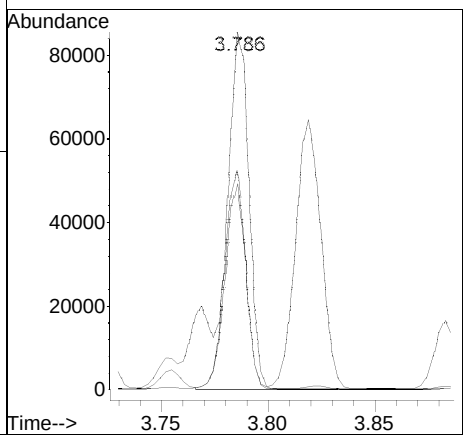


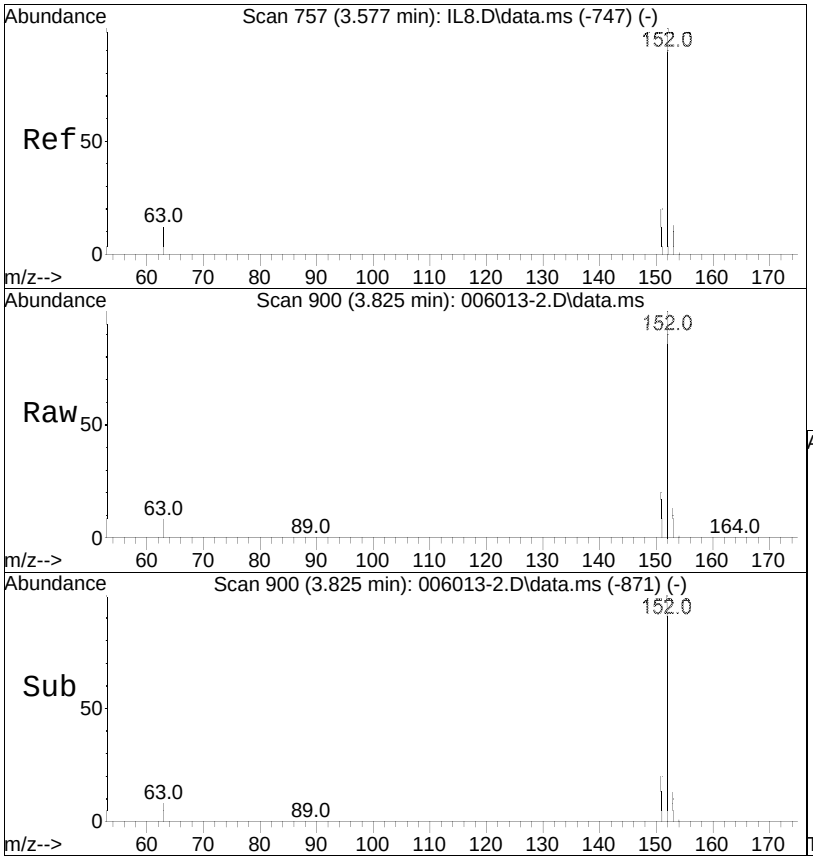


#15
2,6-Dinitrotoluene
Concen: 1970.48 ng/ml
RT: 3.786 min Scan# 886
Delta R.T. -0.000 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:165 Resp: 59101

Ion	Ratio	Lower	Upper
165	100		
89	57.1	45.8	68.8
63	60.0	46.3	69.5

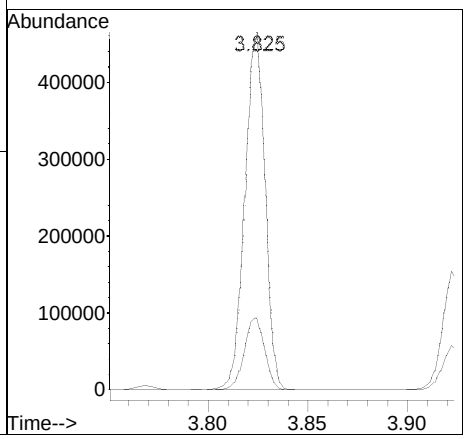


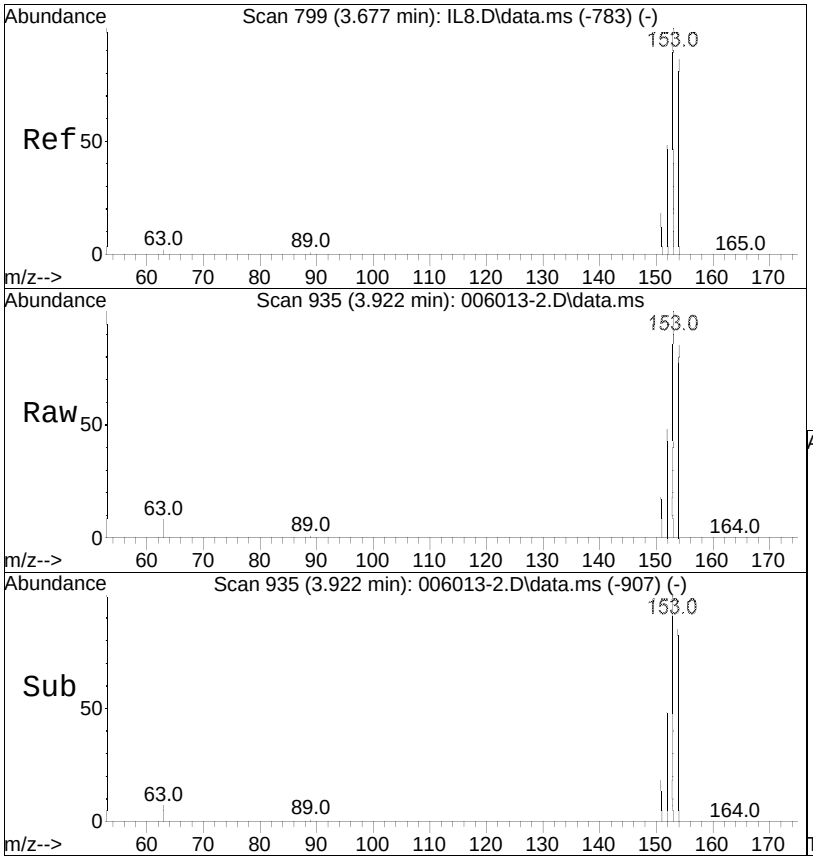


#16
Acenaphthylene
Concen: 1692.44 ng/ml
RT: 3.825 min Scan# 900
Delta R.T. -0.000 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:152 Resp: 323340

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6

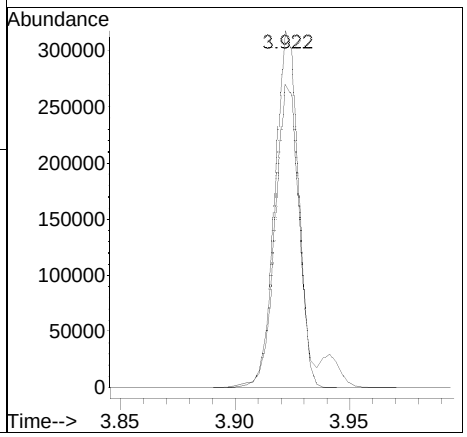


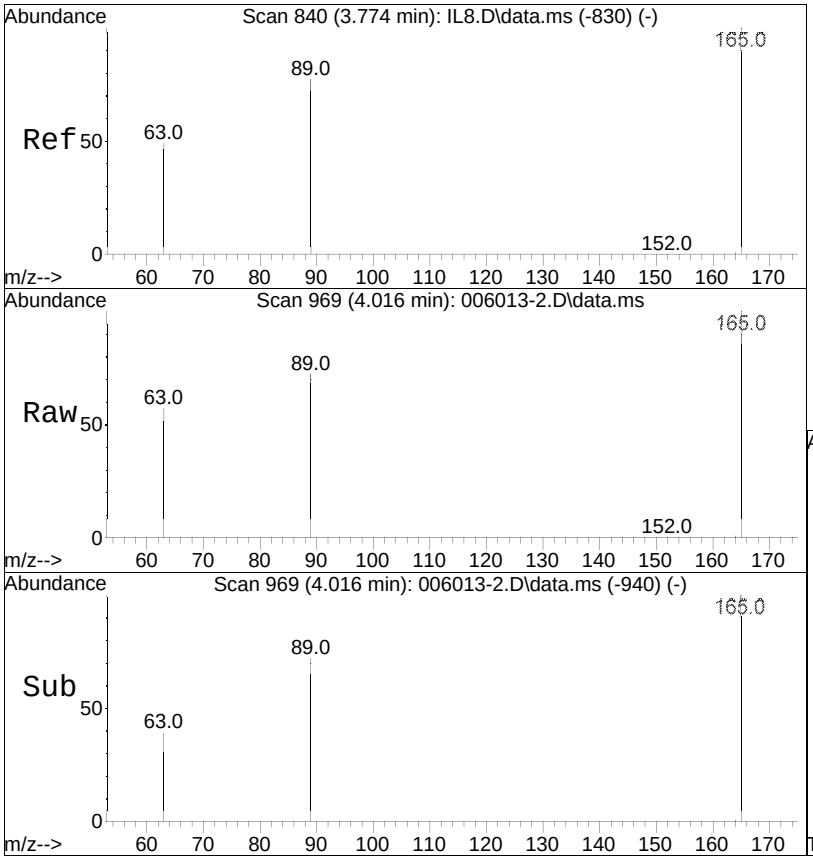


#18
Acenaphthene
Concen: 1874.75 ng/ml
RT: 3.922 min Scan# 935
Delta R.T. -0.003 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:153 Resp: 223394

Ion	Ratio	Lower	Upper
153	100		
154	88.1	69.8	104.6

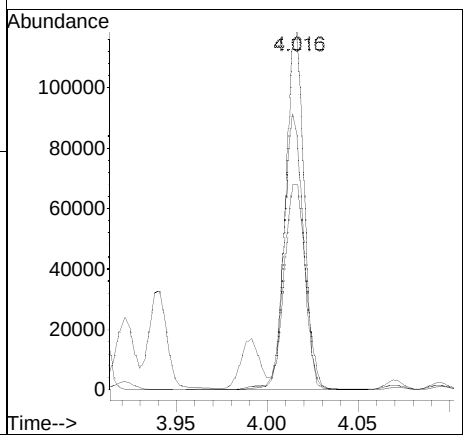


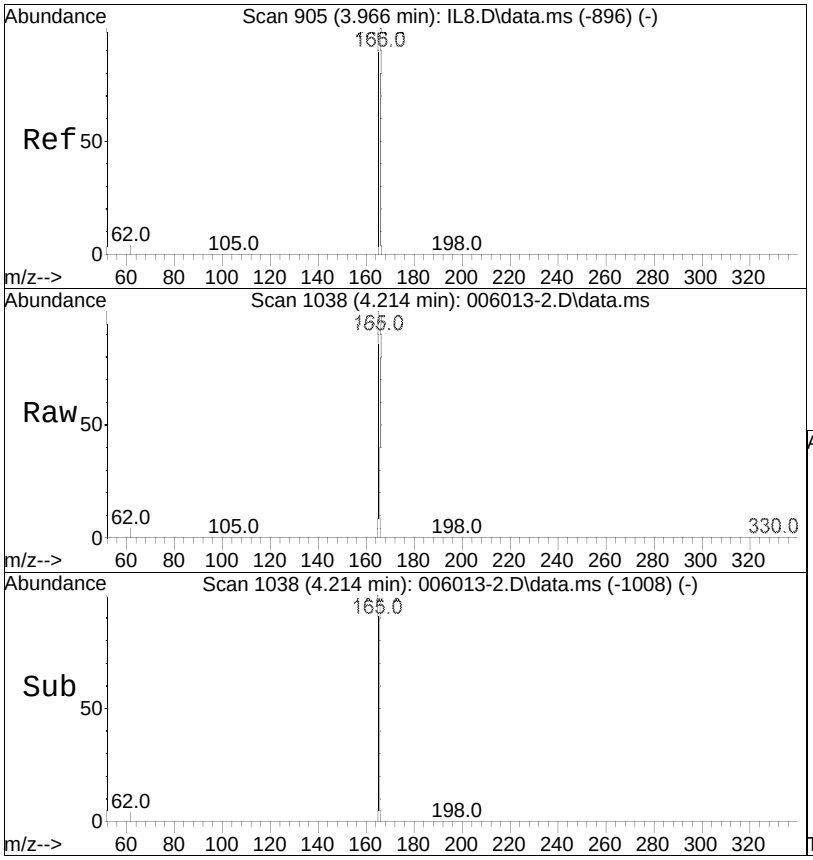


#19
2,4-Dinitrotoluene
Concen: 2440.83 ng/ml
RT: 4.016 min Scan# 969
Delta R.T. -0.000 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:165 Resp: 80980

Ion	Ratio	Lower	Upper
165	100		
89	82.6	65.9	98.9
63	68.2	55.7	83.5

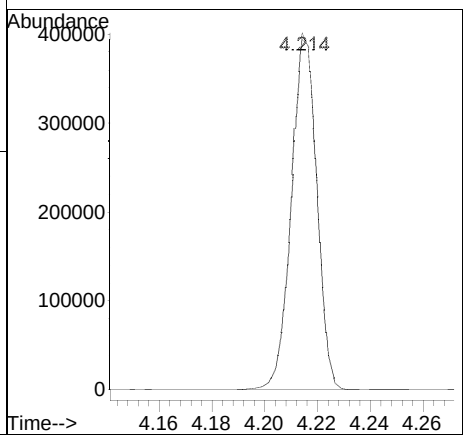


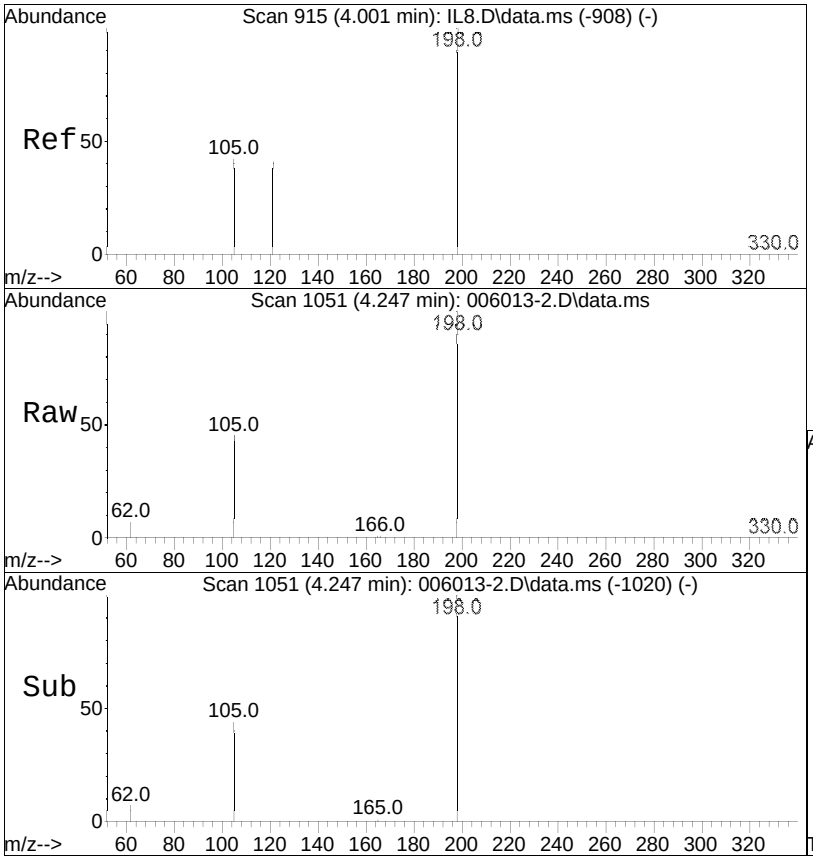


#20
Fluorene
Concen: 2064.64 ng/ml
RT: 4.214 min Scan# 1038
Delta R.T. -0.002 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:166 Resp: 266207

Ion	Ratio	Lower	Upper
166	100		
165	101.0	80.1	120.1

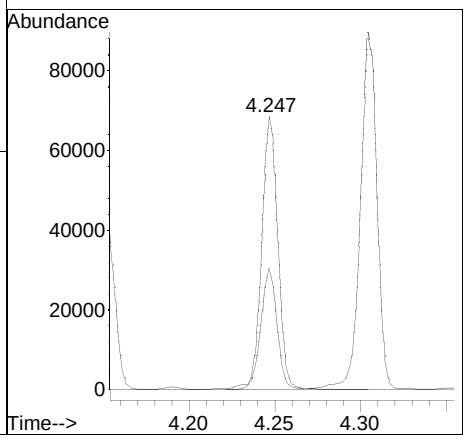


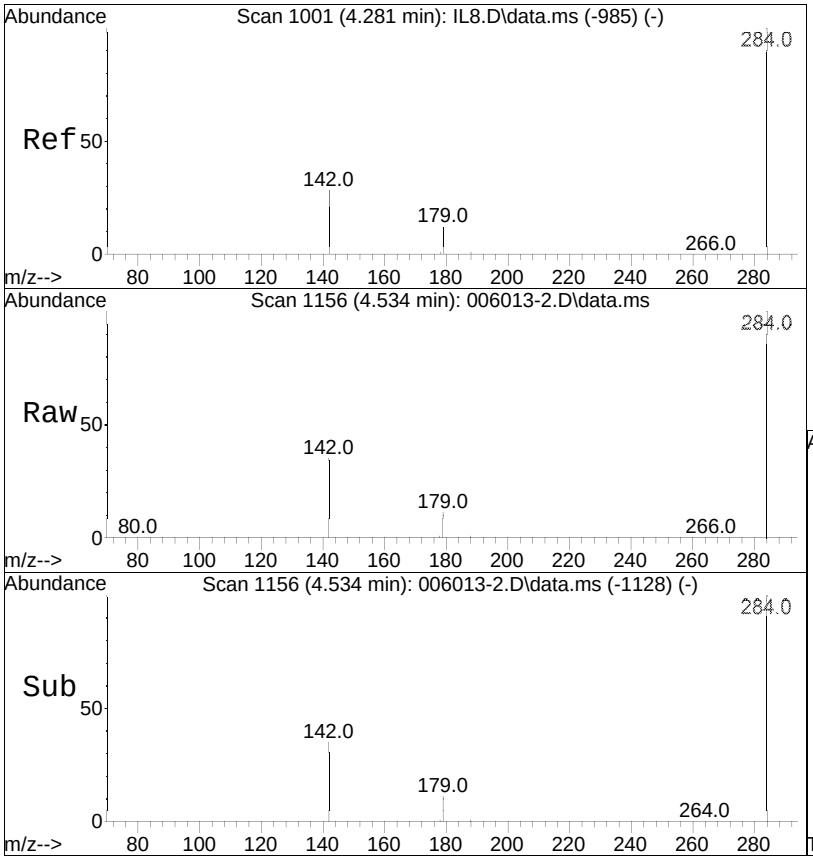


#23
4,6-Dinitro-o-cresol
Concen: 2112.65 ng/ml
RT: 4.247 min Scan# 1051
Delta R.T. -0.002 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:198 Resp: 44524

Ion	Ratio	Lower	Upper
198	100		
105	45.3	35.4	53.2

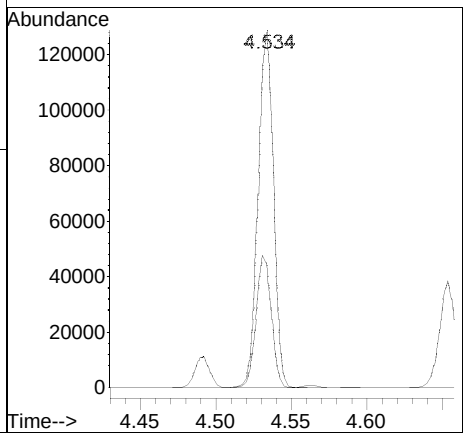


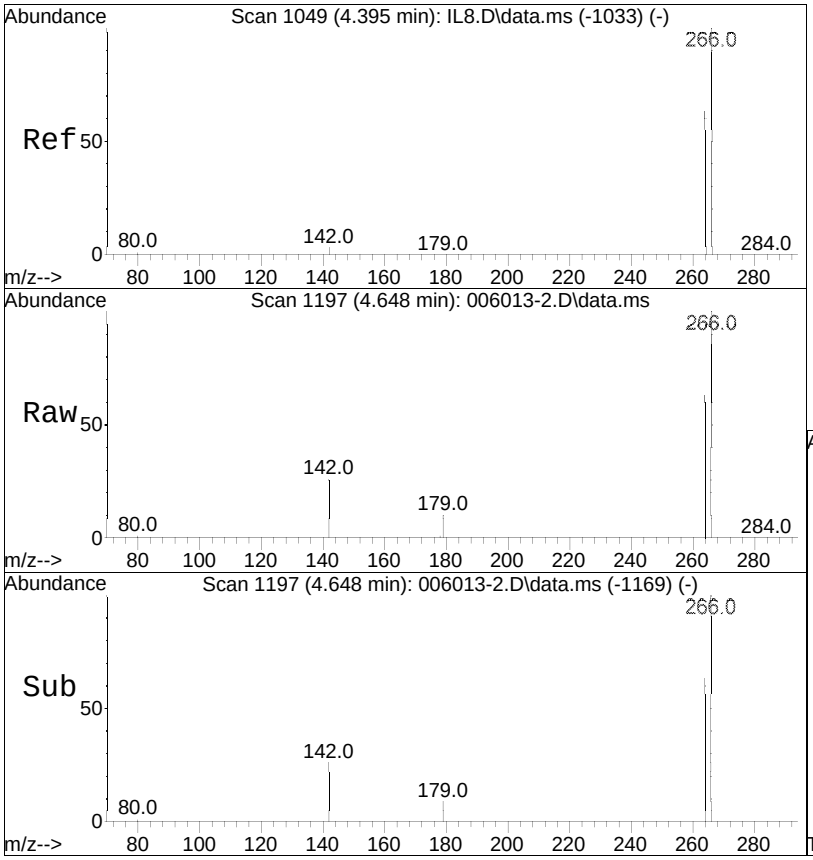


#24
Hexachlorobenzene
Concen: 2415.81 ng/ml
RT: 4.534 min Scan# 1156
Delta R.T. -0.002 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:284 Resp: 89882

Ion	Ratio	Lower	Upper
284	100		
142	37.0	30.2	45.2

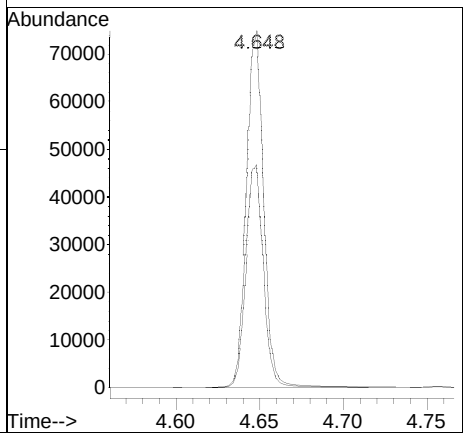


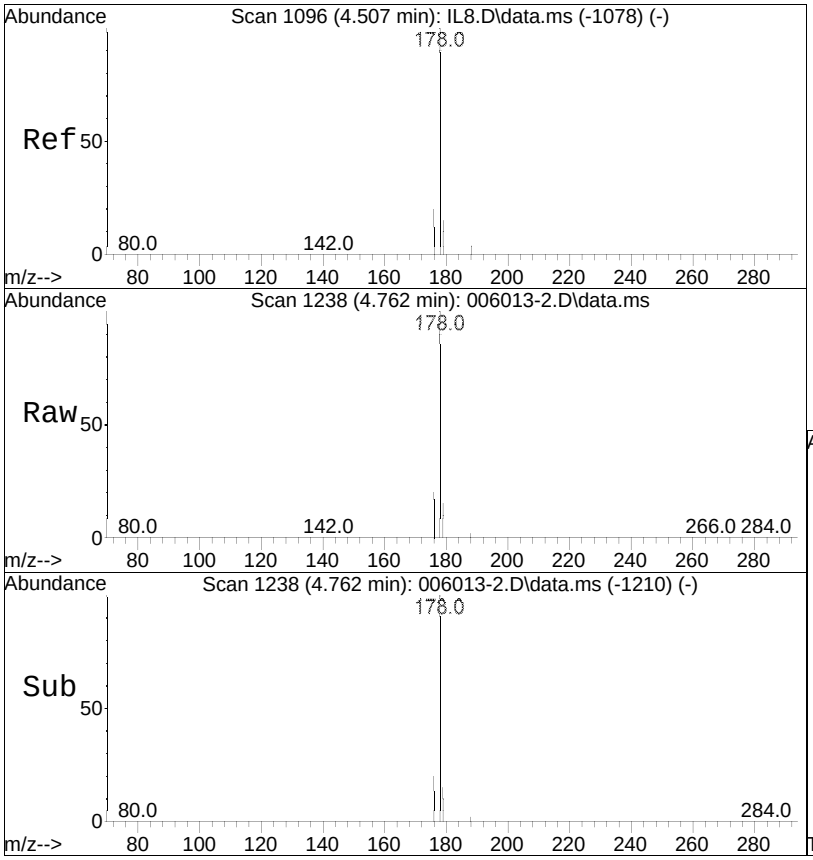


#25
Pentachlorophenol
Concen: 2474.02 ng/ml
RT: 4.648 min Scan# 1197
Delta R.T. -0.002 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:266 Resp: 53714

Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.3	75.5

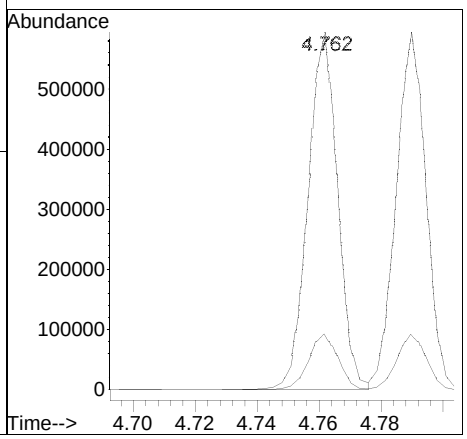


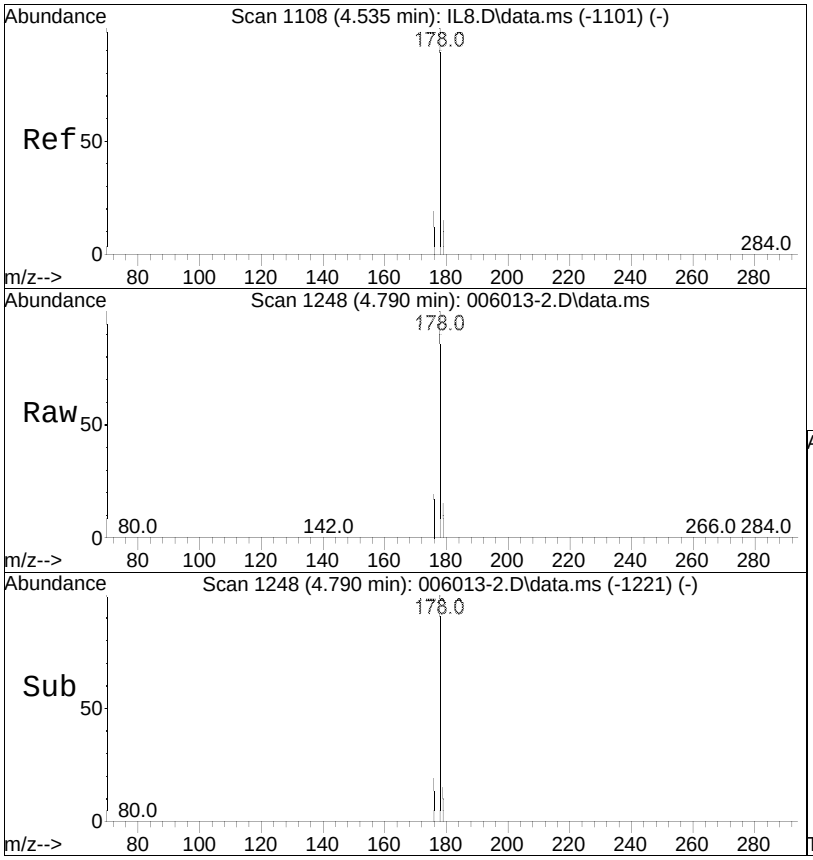


#26
Phenanthrene
Concen: 2360.79 ng/ml
RT: 4.762 min Scan# 1238
Delta R.T. -0.002 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:178 Resp: 396261

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7

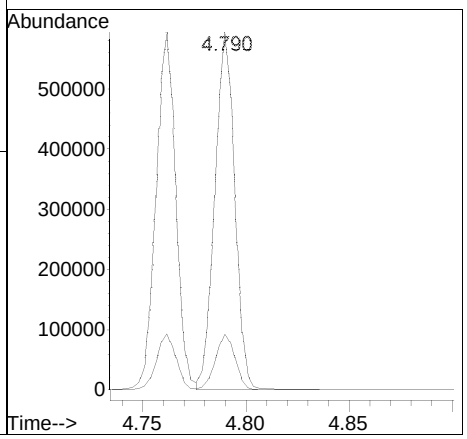


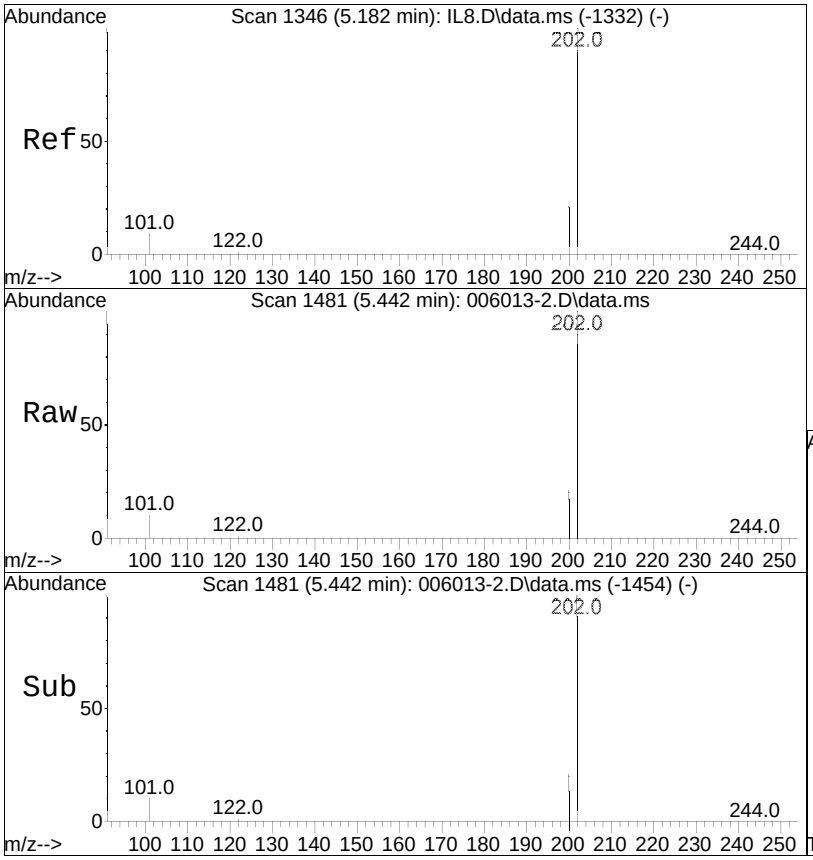


#27
Anthracene
Concen: 2292.10 ng/ml
RT: 4.790 min Scan# 1248
Delta R.T. -0.005 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:178 Resp: 398052

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

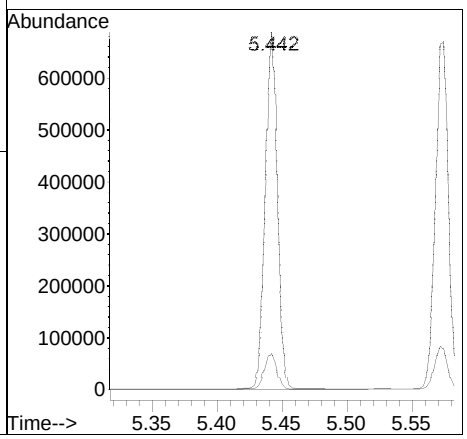


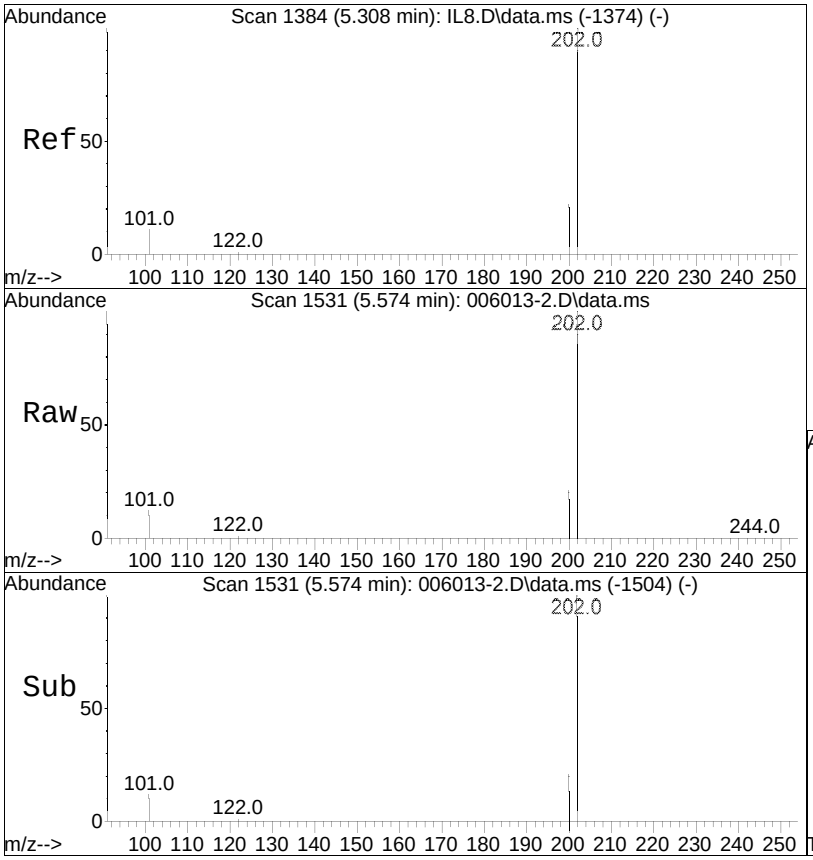


#28
Fluoranthene
Concen: 2343.25 ng/ml
RT: 5.442 min Scan# 1481
Delta R.T. -0.009 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:202 Resp: 453014

Ion	Ratio	Lower	Upper
202	100		
101	10.3	7.8	11.6

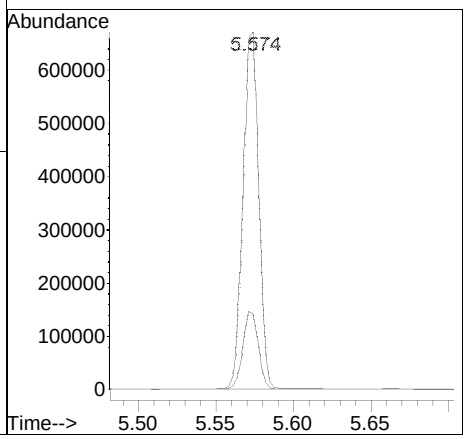


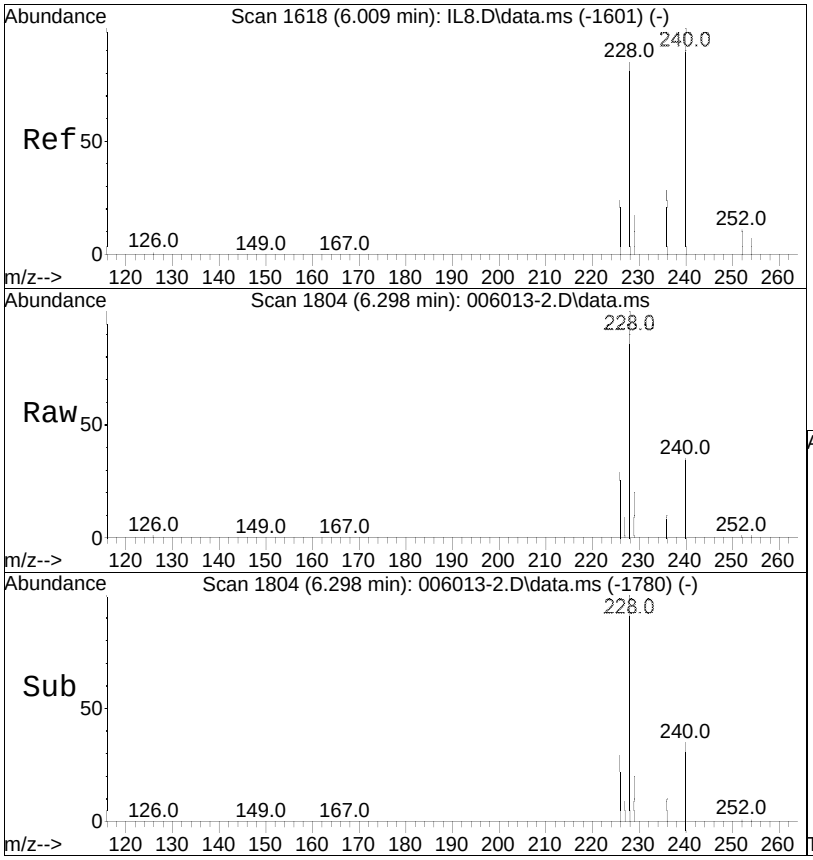


#29
Pyrene
Concen: 2332.77 ng/ml
RT: 5.574 min Scan# 1531
Delta R.T. -0.009 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:202 Resp: 465042

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.5	26.3

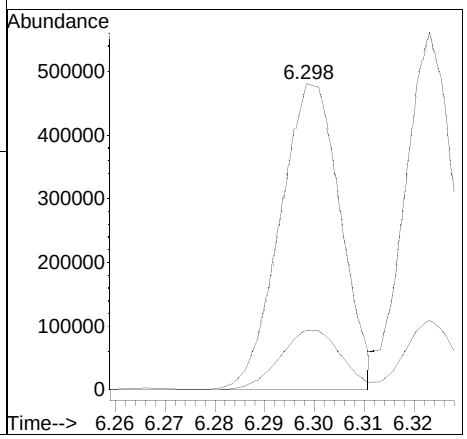


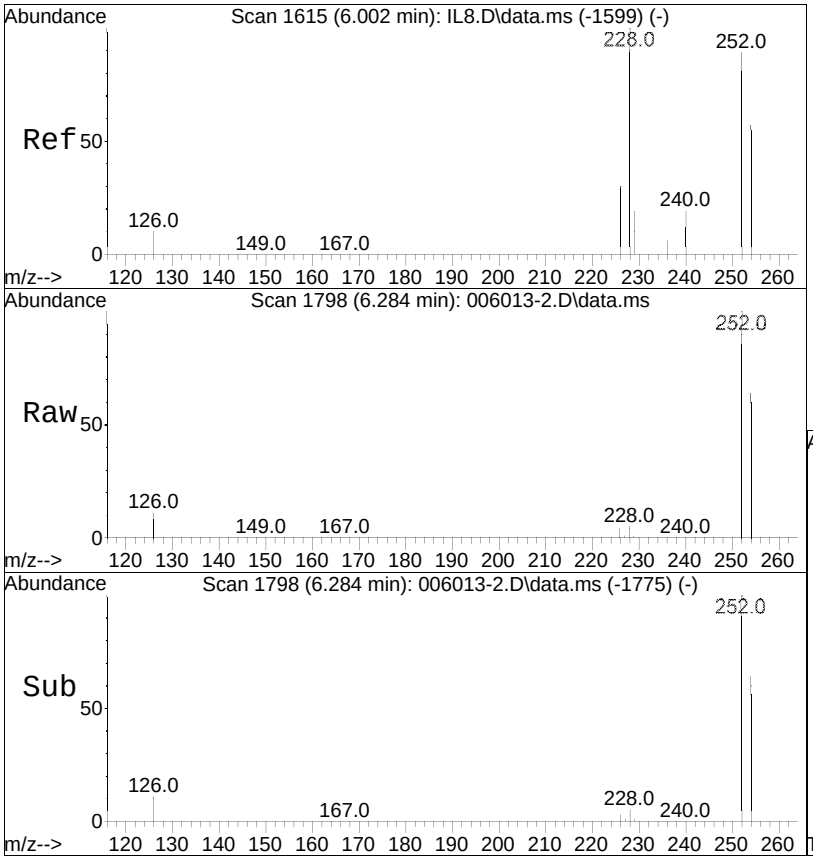


#32
Benzo[a]anthracene
Concen: 2451.13 ng/ml
RT: 6.298 min Scan# 1804
Delta R.T. -0.021 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:228 Resp: 406176

Ion	Ratio	Lower	Upper
228	100		
229	19.6	16.2	24.4

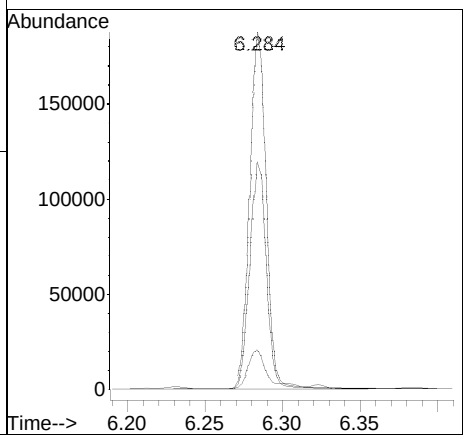


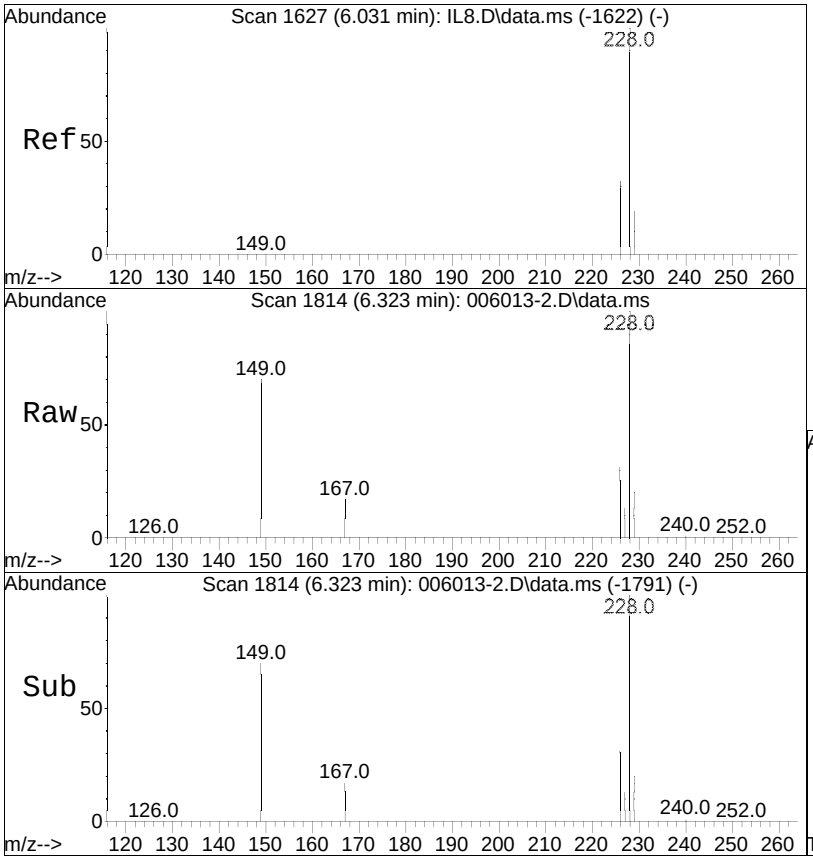


#33
3,3'-Dichlorobenzidine
Concen: 2351.74 ng/ml
RT: 6.284 min Scan# 1798
Delta R.T. -0.024 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:252 Resp: 137925

Ion	Ratio	Lower	Upper
252	100		
126	11.5	10.9	16.3
254	63.9	51.4	77.2

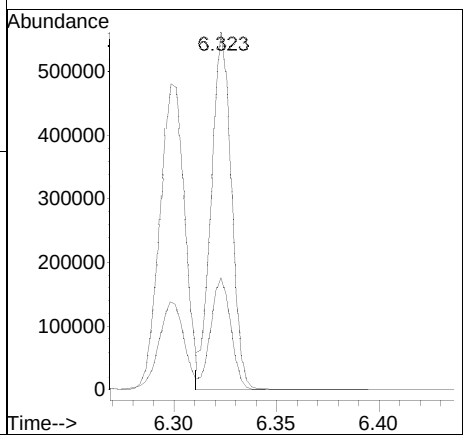


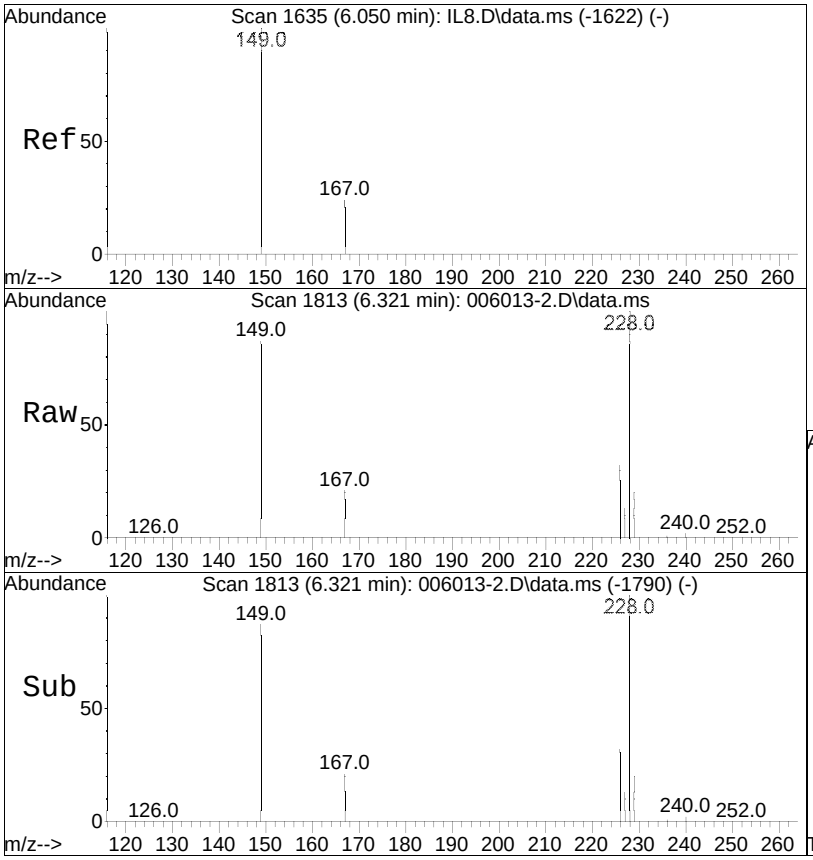


#34
Chrysene
Concen: 2662.81 ng/ml
RT: 6.323 min Scan# 1814
Delta R.T. -0.024 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:228 Resp: 382475

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3

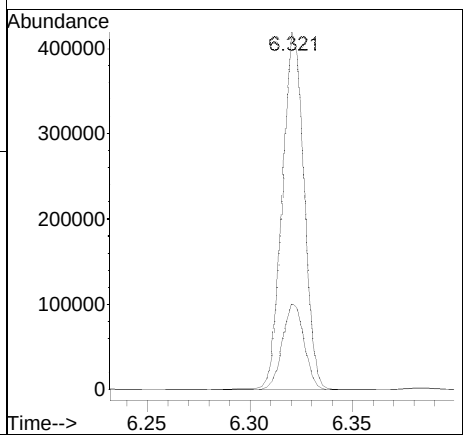


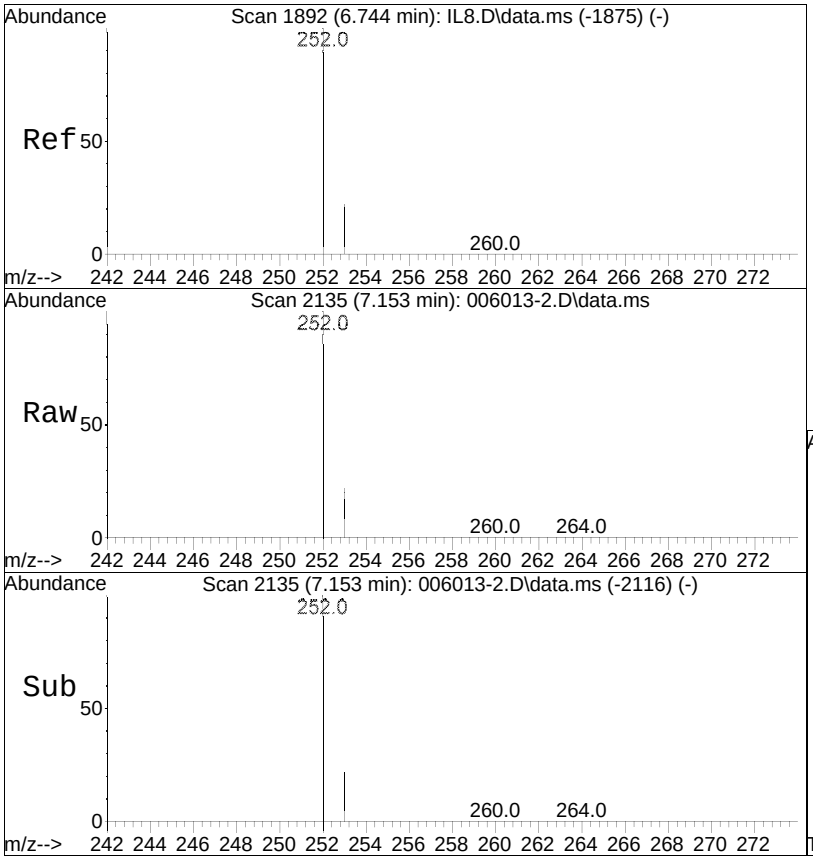


#35
Bis(2-ethylhexyl)phthalate
Concen: 3168.43 ng/ml
RT: 6.321 min Scan# 1813
Delta R.T. -0.024 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:149 Resp: 304201

Ion	Ratio	Lower	Upper
149	100		
167	24.1	19.6	29.4

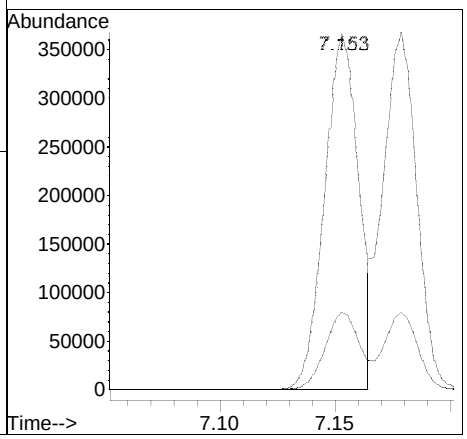


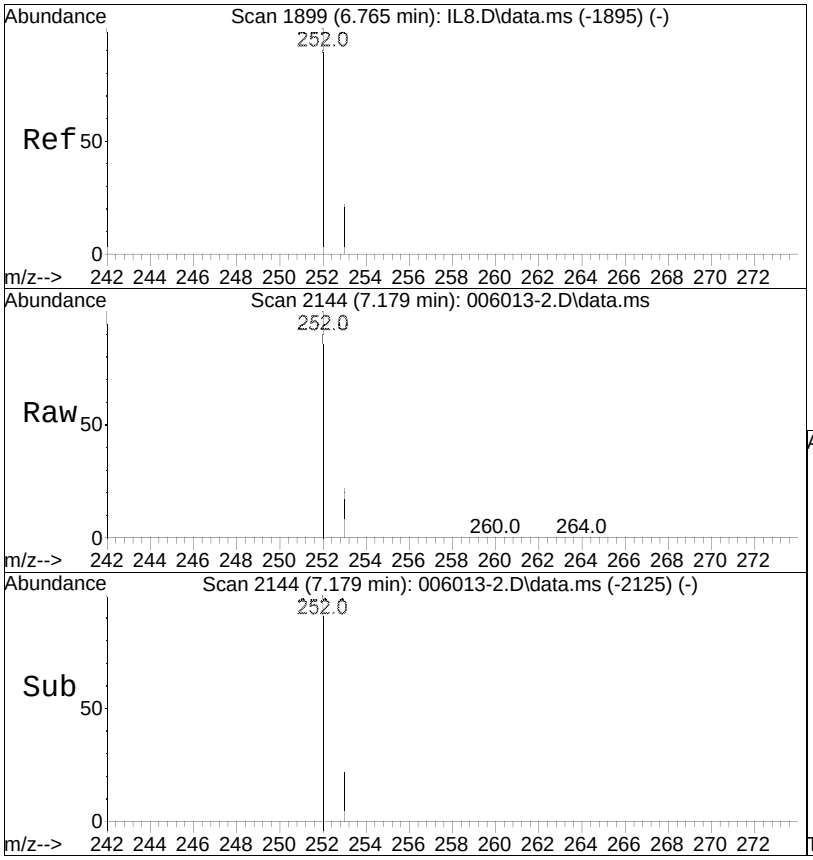


#37
Benzo[b]fluoranthene
Concen: 2394.31 ng/ml
RT: 7.153 min Scan# 2135
Delta R.T. -0.025 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:252 Resp: 375740

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0

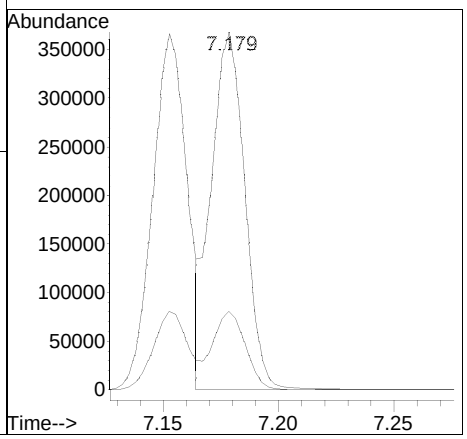


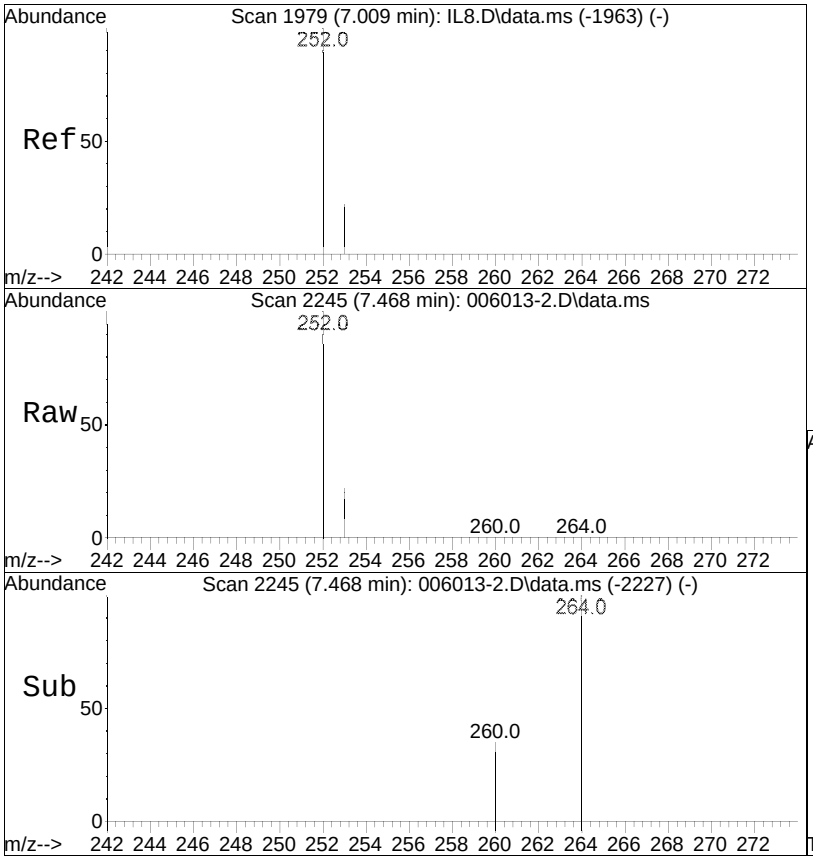


#38
Benzo[k]fluoranthene
Concen: 2625.34 ng/ml
RT: 7.179 min Scan# 2144
Delta R.T. -0.025 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:252 Resp: 370377

Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.6	26.4

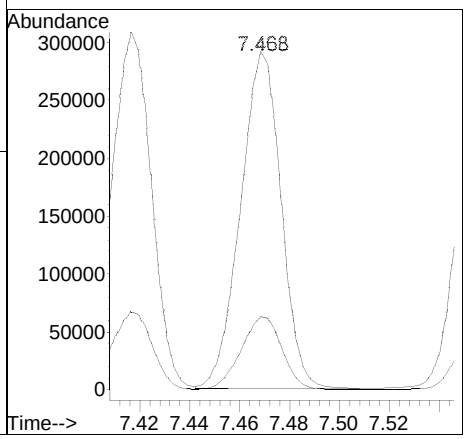


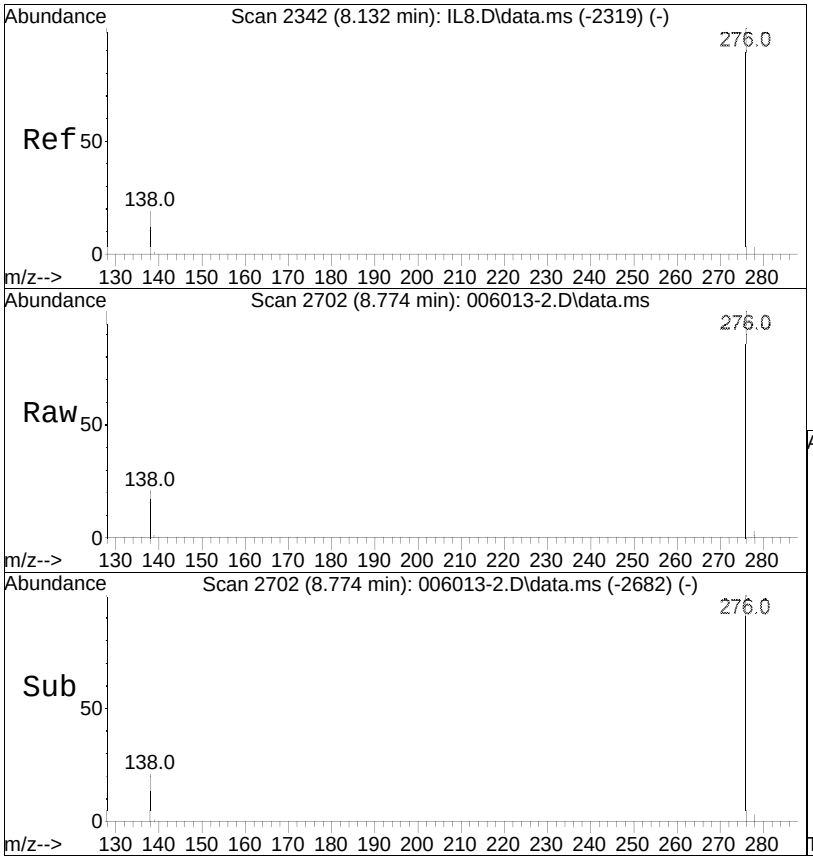


#39
Benzo[a]pyrene
Concen: 2547.53 ng/ml
RT: 7.468 min Scan# 2245
Delta R.T. -0.028 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:252 Resp: 327458

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2

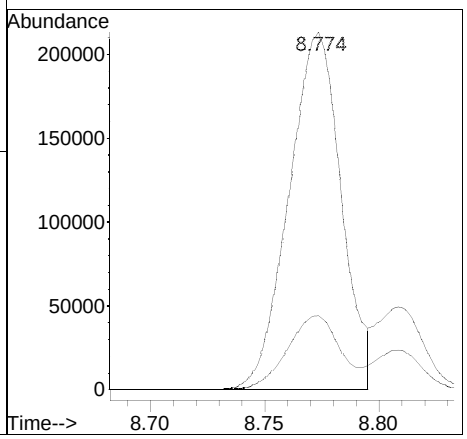


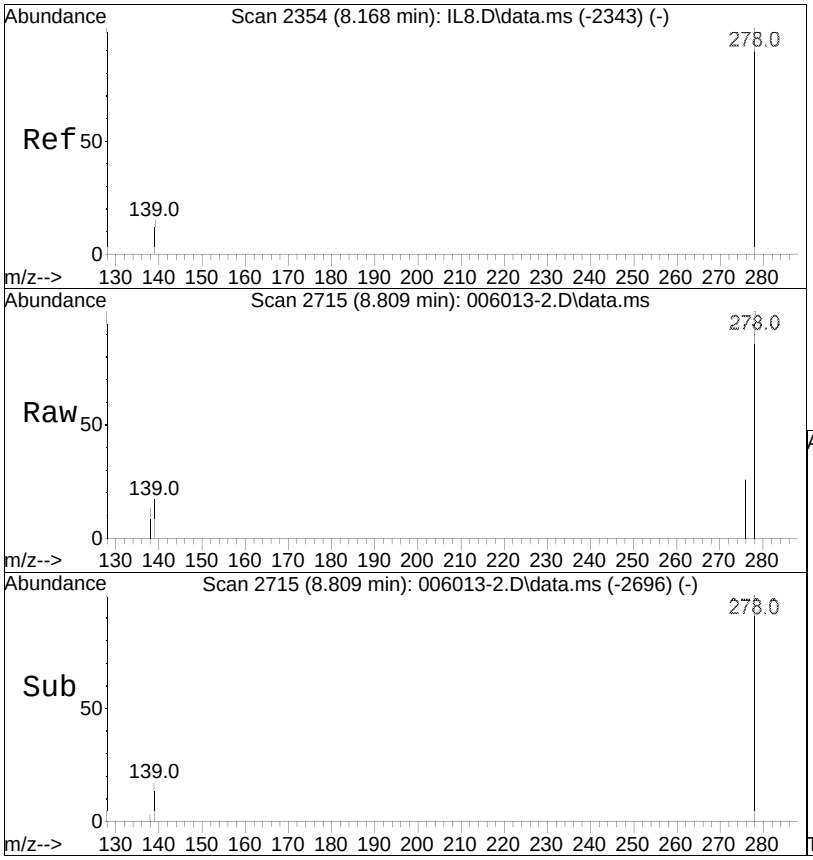


#40
Indeno[1,2,3-cd]pyrene
Concen: 2568.75 ng/ml
RT: 8.774 min Scan# 2702
Delta R.T. -0.026 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:276 Resp: 337627

Ion	Ratio	Lower	Upper
276	100		
138	21.3	15.4	23.0

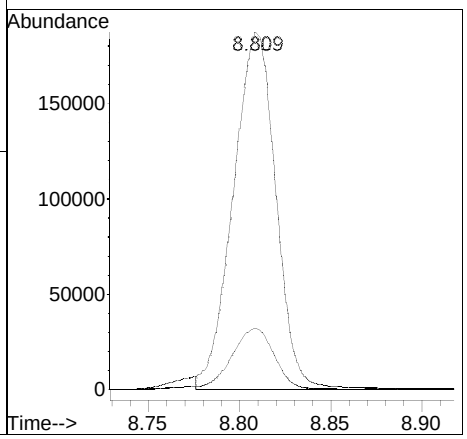


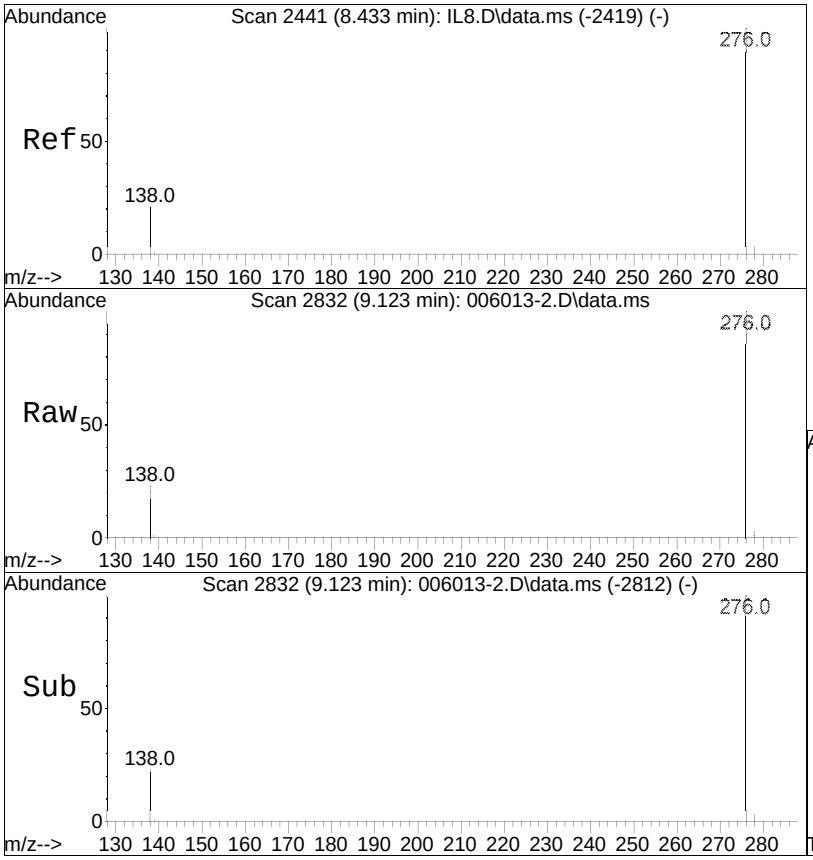


#41
Dibenzo[a,h]anthracene
Concen: 2434.52 ng/ml M6
RT: 8.809 min Scan# 2715
Delta R.T. -0.028 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:278 Resp: 300607

Ion	Ratio	Lower	Upper
278	100		
139	17.9	13.0	19.6

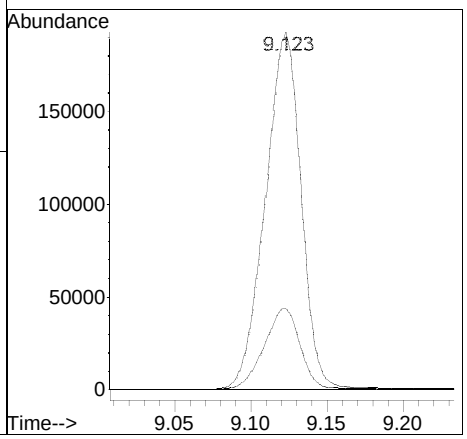




#42
Benzo[g,h,i]perylene
Concen: 2424.44 ng/ml
RT: 9.123 min Scan# 2832
Delta R.T. -0.026 min
Lab File: 006013-2.D
Acq: 07 Dec 2024 02:58 pm

Tgt Ion:276 Resp: 309490

Ion	Ratio	Lower	Upper
276	100		
138	23.2	16.6	25.0

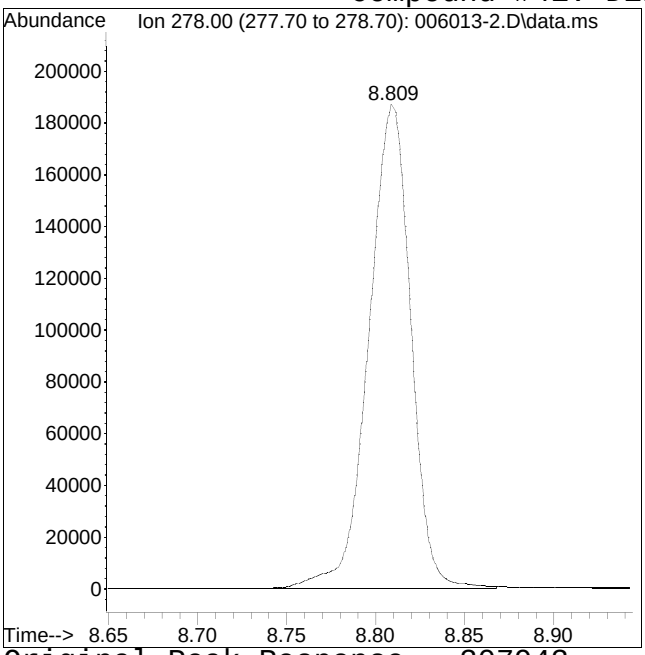


Manual Integration Report

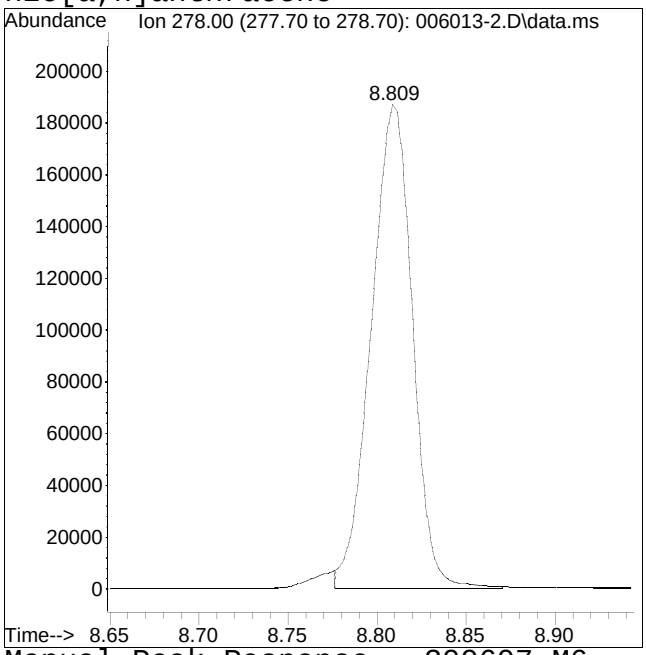
Data Path : I:\8270SIM\sv120\241207RVTQ
Data File : 006013-2.D
Date Inj'd : 12/7/2024 2:58 pm
Sample : WG2006013-2,32,,rp

Method : SIM-RVT_241105_sv120.M
Operator : SV120:kmh
Instrument : SV120
Quant Date : 12/7/2024 3:11 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 307943



Manual Peak Response = 300607 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-2.D
Acq On : 09 Dec 2024 11:14 am
Operator : SV125:kmh
Sample : WG2006681-2,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 10 08:00:50 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.268	152	545184	4000.000	ng/ml	0.03
Standard Area 1 = 620723			Recovery = 87.83%			
8) Naphthalene-d8	2.929	136	2084484	4000.000	ng/ml	0.02
Standard Area 1 = 2184118			Recovery = 95.44%			
17) Acenaphthene-d10	3.908	164	1204015	4000.000	ng/ml	0.00
Standard Area 1 = 1298651			Recovery = 92.71%			
22) Phenanthrene-d10	4.757	188	2426928	4000.000	ng/ml	0.00
Standard Area 1 = 2706375			Recovery = 89.67%			
31) Chrysene-d12	6.320	240	2466643M2	4000.000	ng/ml	-0.09
Standard Area 1 = 2815094			Recovery = 87.62%			
36) Perylene-d12	7.548	264	2786403M2	4000.000	ng/ml	-0.10
Standard Area 1 = 3104537			Recovery = 89.75%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.685	112	170934	1166.871	ng/ml	0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery = 58.34%			
3) Phenol-d6	2.085	99	150740	813.025	ng/ml	0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery = 40.65%			
7) Nitrobenzene-d5	2.548	82	131904	835.622	ng/ml	0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 83.56%			
13) 2-Fluorobiphenyl	3.526	172	365505	788.228	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 78.82%			
21) 2,4,6-Tribromophenol	4.359	330	129155	1977.797	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 98.89%			
30) 4-Terphenyl-d14	5.675	244	473299	845.823	ng/ml	-0.05
Spiked Amount 1000.000	Range 30 - 130		Recovery = 84.58%			
Target Compounds						Qvalue
6) Hexachloroethane	2.526	117	101498	1480.981	ng/ml	95
9) Naphthalene	2.940	128	879162	1570.626	ng/ml	99
10) Hexachlorobutadiene	3.010	225	154900	1353.511	ng/ml	100
11) 2-Methylnaphthalene	3.320	142	603298	1598.580	ng/ml	98
14) 2-Chloronaphthalene	3.593	162	628265	1589.602	ng/ml	93
16) Acenaphthylene	3.827	152	956786	1705.572	ng/ml	100
18) Acenaphthene	3.927	153	679639	1751.228	ng/ml	94
20) Fluorene	4.218	166	768031	1792.516	ng/ml	98
24) Hexachlorobenzene	4.539	284	270752	1739.865	ng/ml	97
25) Pentachlorophenol	4.652	266	161328	1872.908	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-2.D
Acq On : 09 Dec 2024 11:14 am
Operator : SV125:kmh
Sample : WG2006681-2,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 10 08:00:50 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.768	178	1214283	1810.405	ng/ml	100
27) Anthracene	4.797	178	1240038	1920.035	ng/ml	100
28) Fluoranthene	5.452	202	1458396	1893.175	ng/ml	97
29) Pyrene	5.585	202	1537792	1888.984	ng/ml	100
32) Benzo[a]anthracene	6.312	228	1592848M2	2140.482	ng/ml	
34) Chrysene	6.337	228	1469654M2	2104.899	ng/ml	
37) Benzo[b]fluoranthene	7.169	252	1645477M2	2122.221	ng/ml	
38) Benzo[k]fluoranthene	7.195	252	1496807M2	2112.372	ng/ml	
39) Benzo[a]pyrene	7.485	252	1441813M3	2242.102	ng/ml	
40) Indeno[1,2,3-cd]pyrene	8.791	276	1530330M2	2215.844	ng/ml	
41) Dibenzo[a,h]anthracene	8.821	278	1451545M2	2281.807	ng/ml	
42) Benzo[g,h,i]perylene	9.137	276	1433903M2	2136.871	ng/ml	

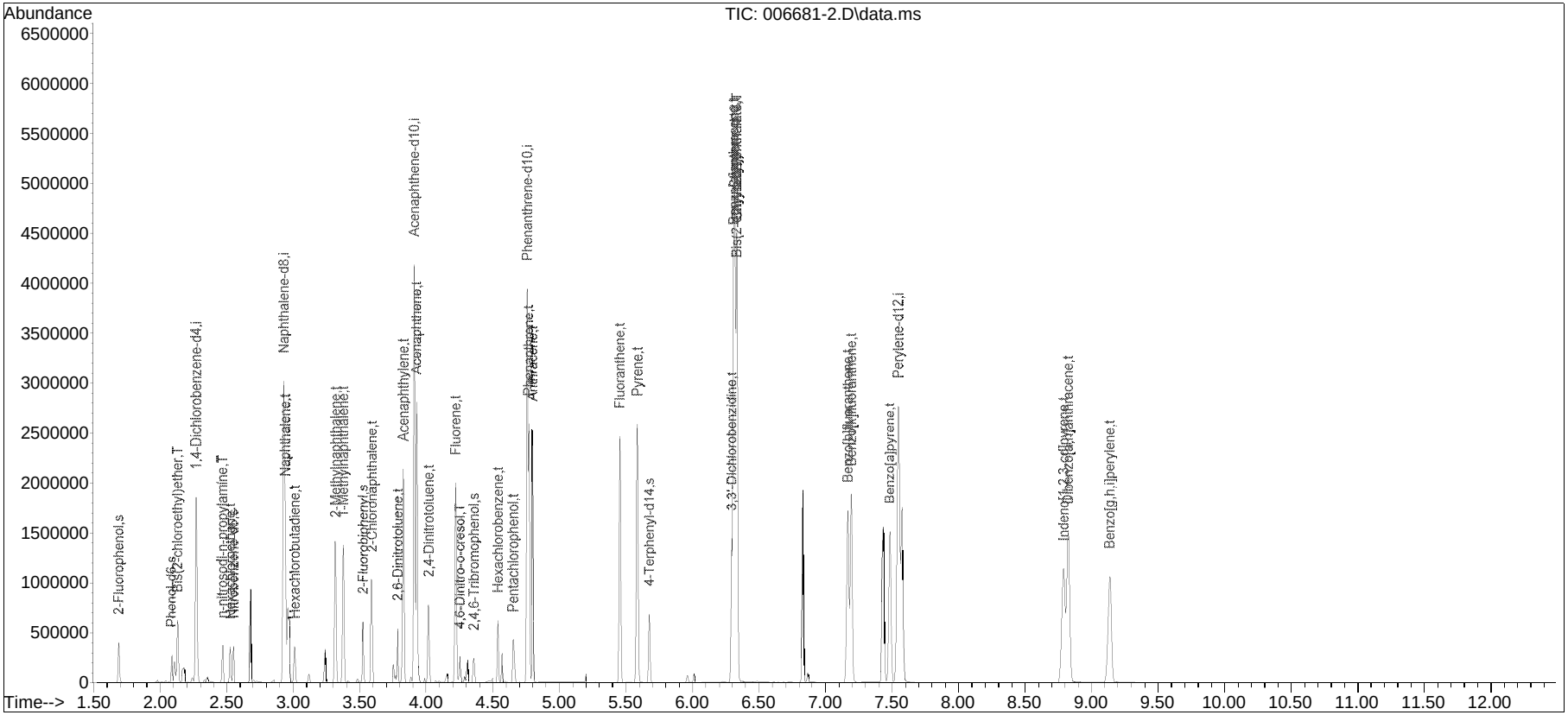
(#) = qualifier out of range (m) = manual integration (+) = signals summed

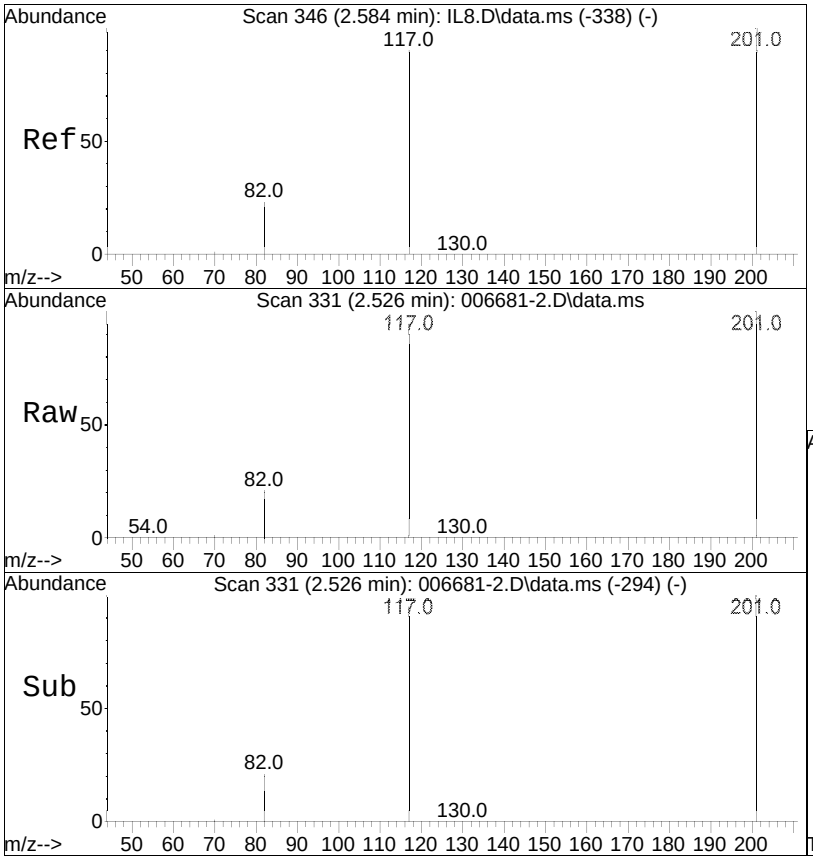
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-2.D
Acq On : 09 Dec 2024 11:14 am
Operator : SV125:kmh
Sample : WG2006681-2,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 10 08:00:50 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv1209b.D•

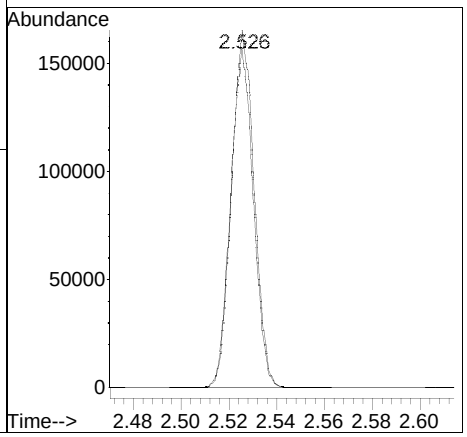


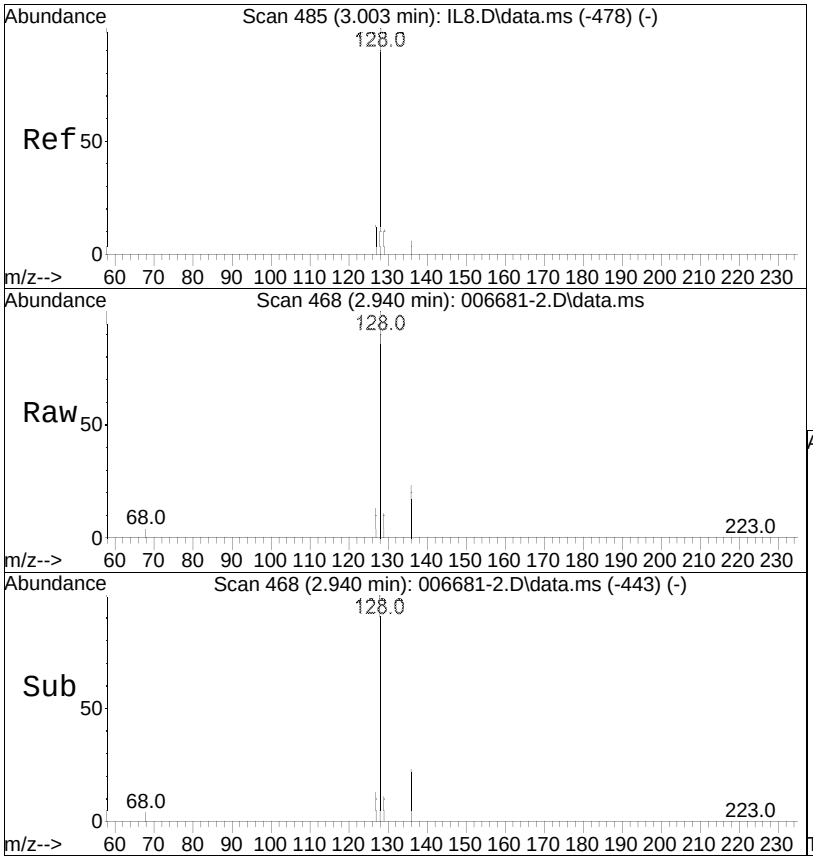


#6
Hexachloroethane
Concen: 1480.98 ng/ml
RT: 2.526 min Scan# 331
Delta R.T. 0.023 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:117 Resp: 101498

Ion	Ratio	Lower	Upper
117	100		
201	105.2	88.0	132.0

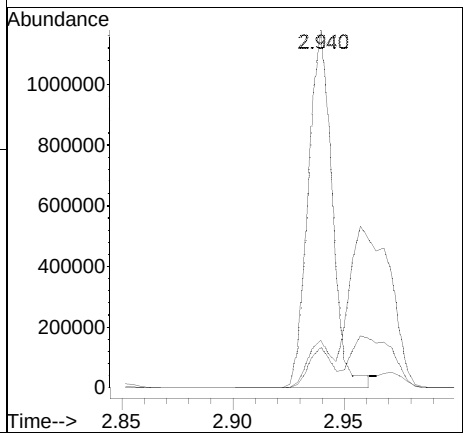


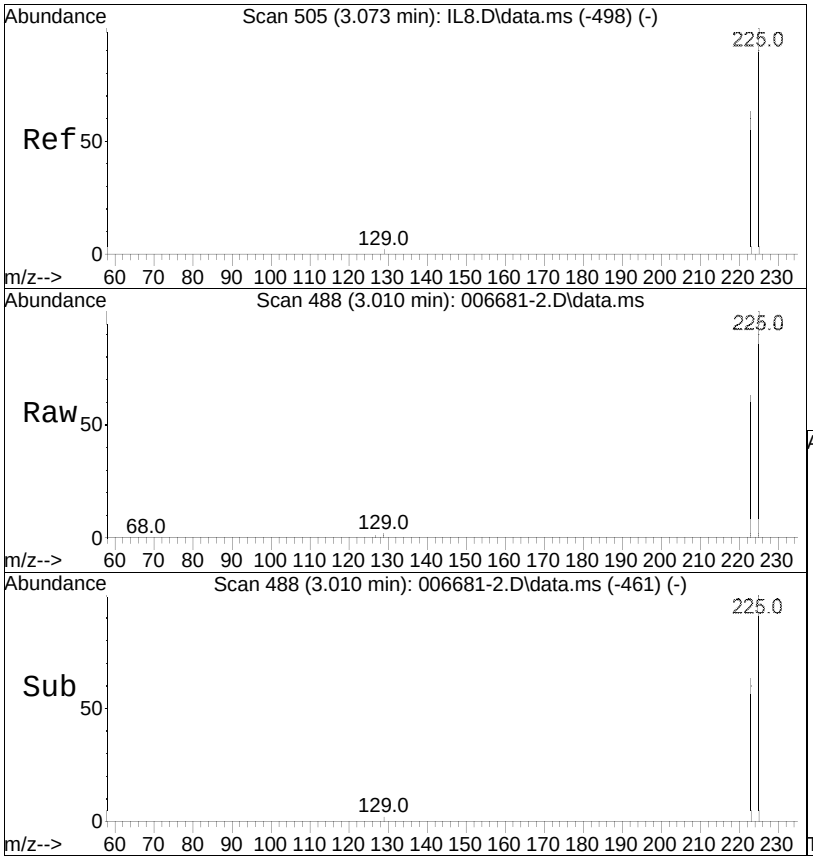


#9
Naphthalene
Concen: 1570.63 ng/ml
RT: 2.940 min Scan# 468
Delta R.T. 0.016 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:128 Resp: 879162

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.9	10.9	16.3

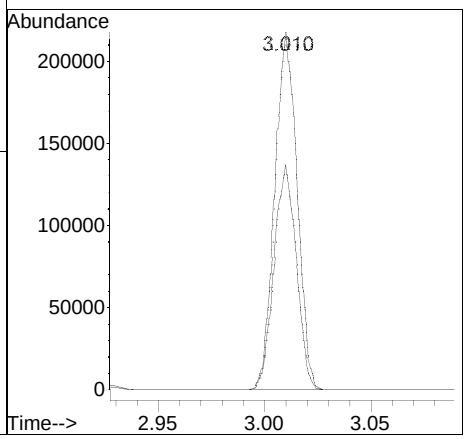


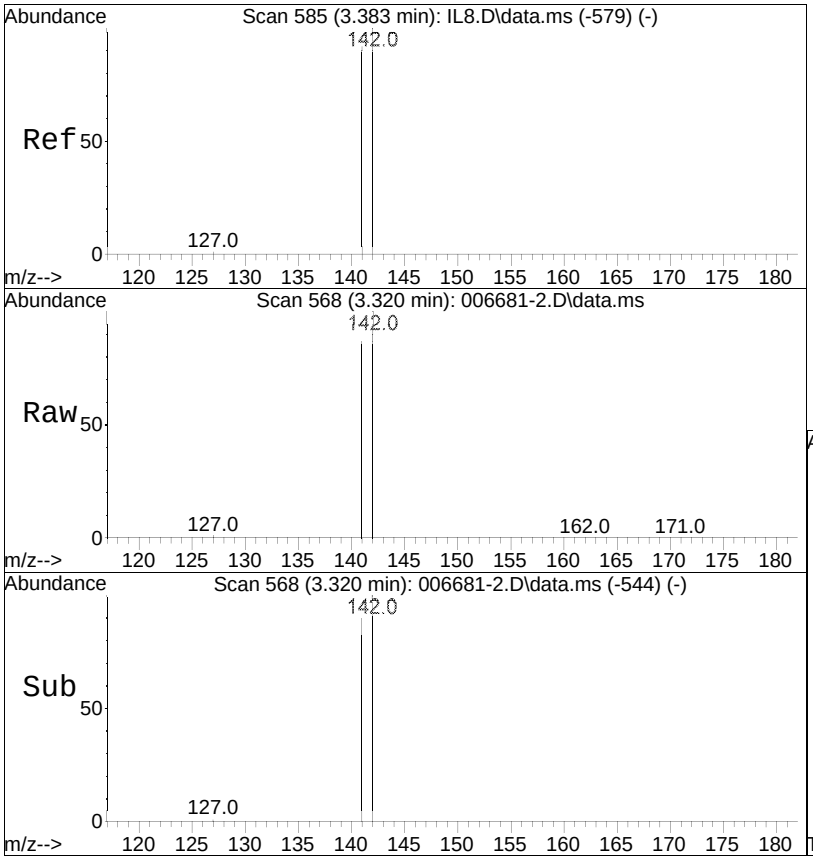


#10
Hexachlorobutadiene
Concen: 1353.51 ng/ml
RT: 3.010 min Scan# 488
Delta R.T. 0.016 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:225 Resp: 154900

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.3	75.5

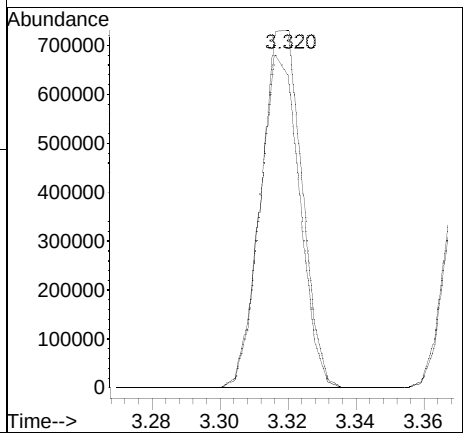


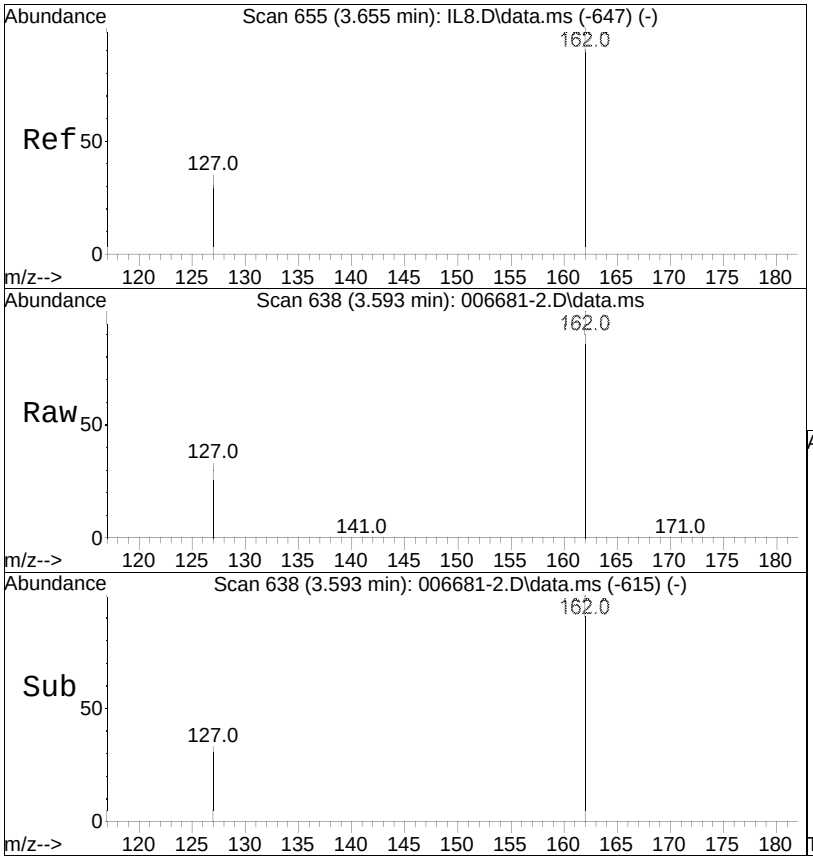


#11
2-Methylnaphthalene
Concen: 1598.58 ng/ml
RT: 3.320 min Scan# 568
Delta R.T. 0.014 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:142 Resp: 603298

Ion	Ratio	Lower	Upper
142	100		
141	91.0	74.0	111.0

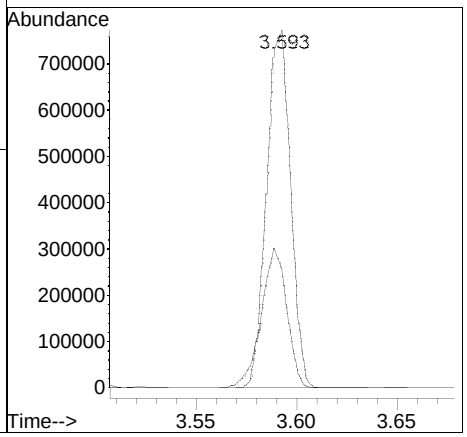


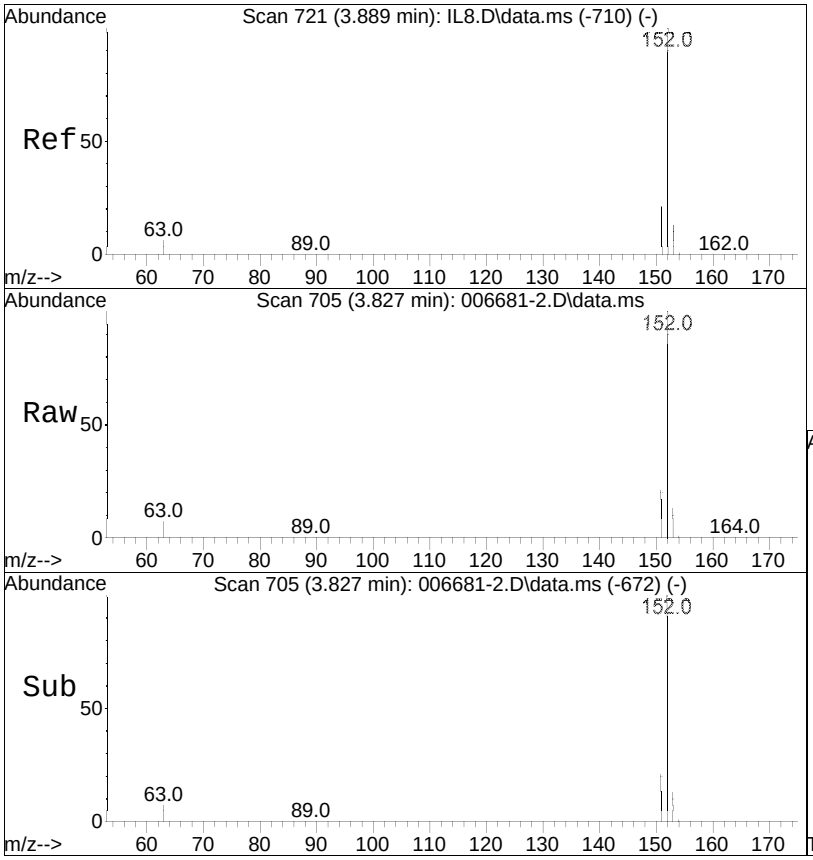


#14
2-Chloronaphthalene
Concen: 1589.60 ng/ml
RT: 3.593 min Scan# 638
Delta R.T. 0.010 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:162 Resp: 628265

Ion	Ratio	Lower	Upper
162	100		
127	41.6	30.1	45.1

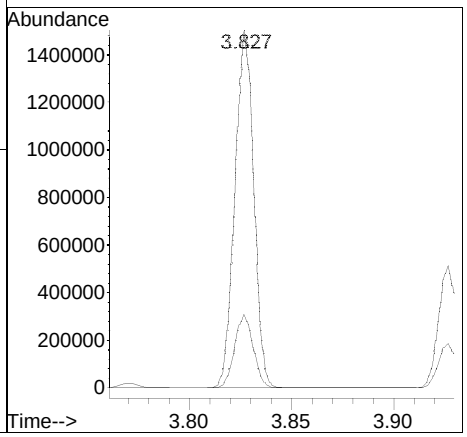


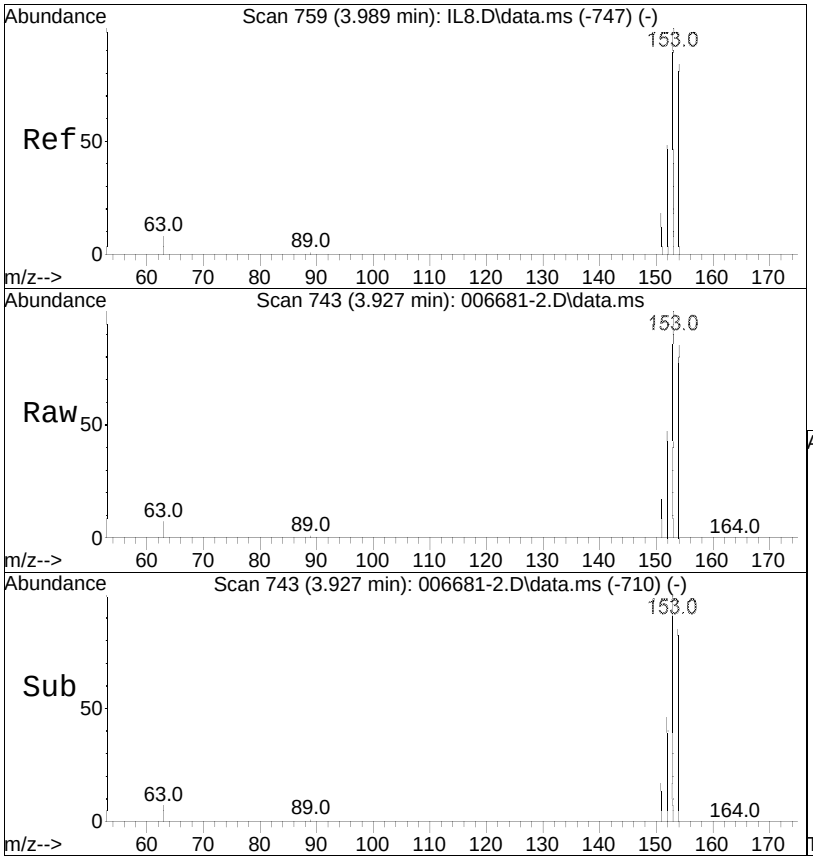


#16
Acenaphthylene
Concen: 1705.57 ng/ml
RT: 3.827 min Scan# 705
Delta R.T. 0.008 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:152 Resp: 956786

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.5	24.7

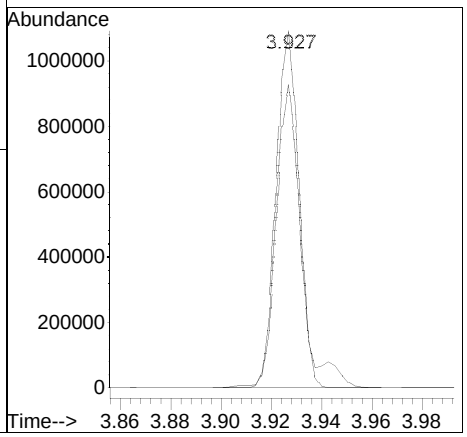


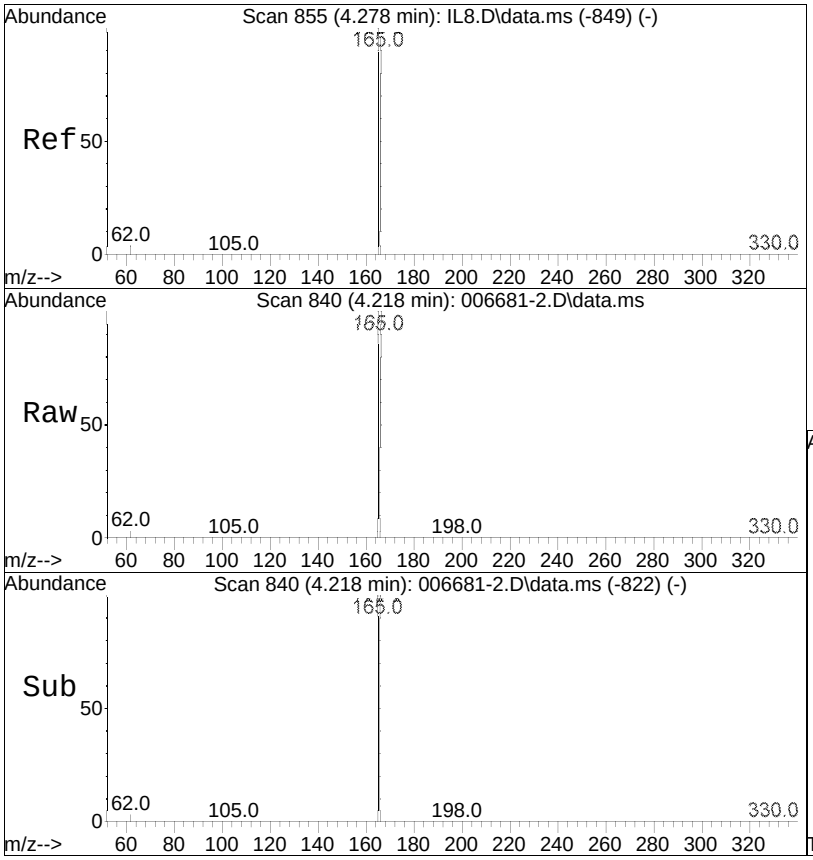


#18
Acenaphthene
Concen: 1751.23 ng/ml
RT: 3.927 min Scan# 743
Delta R.T. 0.008 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:153 Resp: 679639

Ion	Ratio	Lower	Upper
153	100		
154	87.9	74.9	112.3

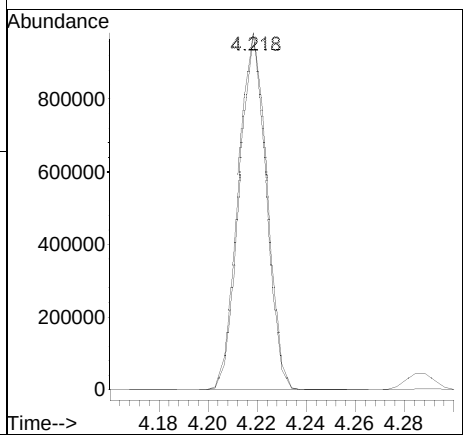


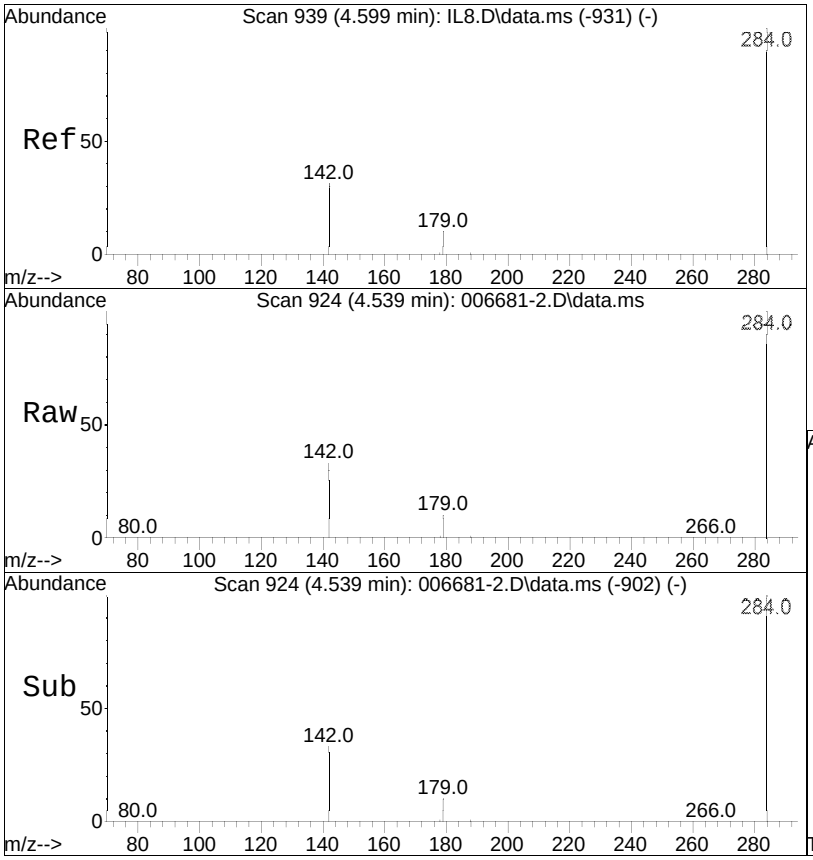


#20
Fluorene
Concen: 1792.52 ng/ml
RT: 4.218 min Scan# 840
Delta R.T. 0.004 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:166 Resp: 768031

Ion	Ratio	Lower	Upper
166	100		
165	100.6	82.2	123.4

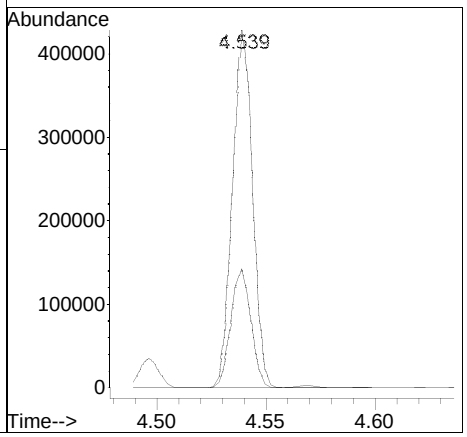


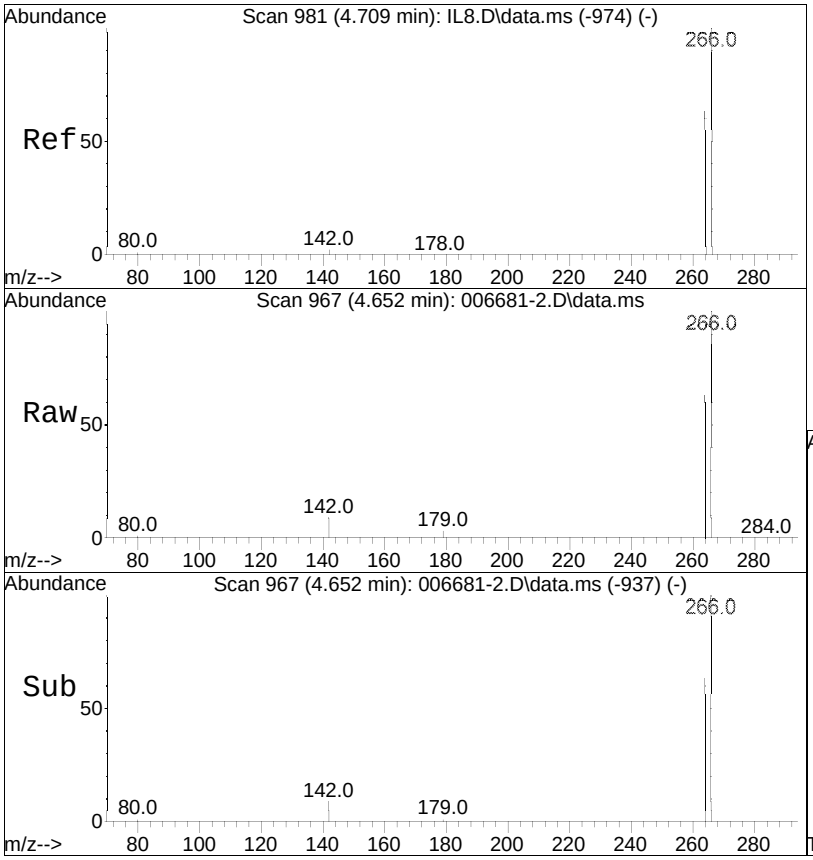


#24
Hexachlorobenzene
Concen: 1739.87 ng/ml
RT: 4.539 min Scan# 924
Delta R.T. 0.000 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:284 Resp: 270752

Ion	Ratio	Lower	Upper
284	100		
142	33.3	25.4	38.0

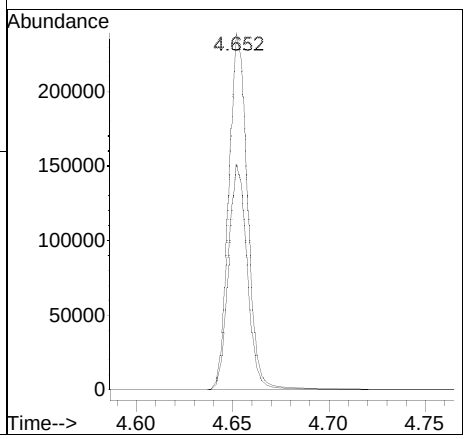


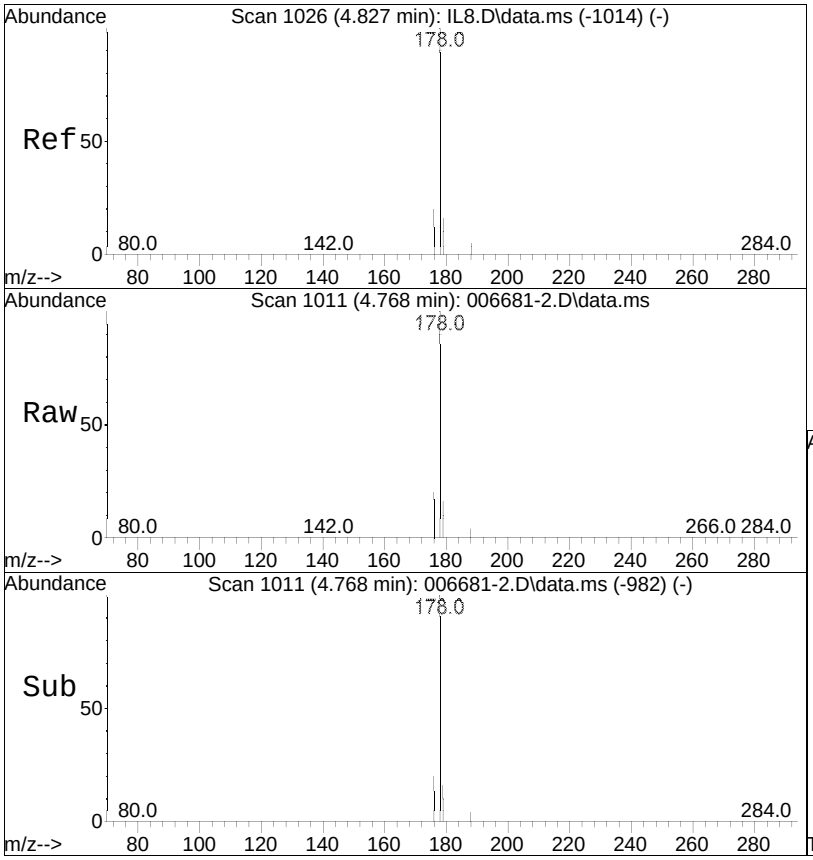


#25
Pentachlorophenol
Concen: 1872.91 ng/ml
RT: 4.652 min Scan# 967
Delta R.T. 0.000 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:266 Resp: 161328

Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.6	76.0

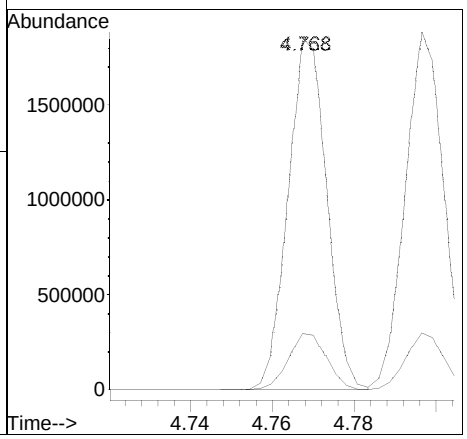


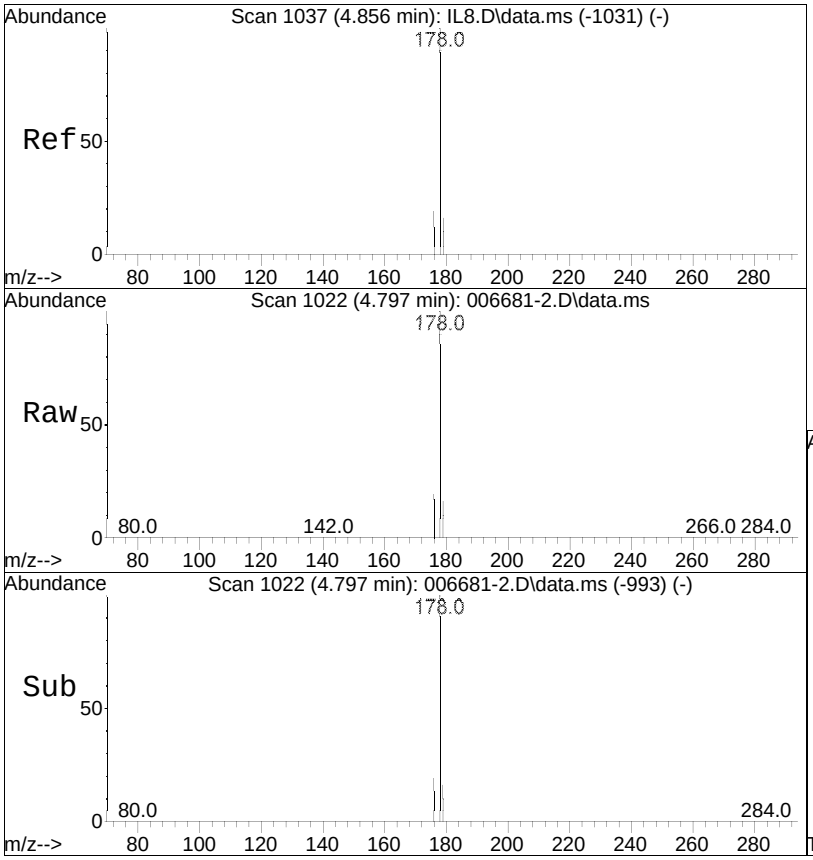


#26
Phenanthrene
Concen: 1810.40 ng/ml
RT: 4.768 min Scan# 1011
Delta R.T. -0.002 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:178 Resp: 1214283

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.8	19.2

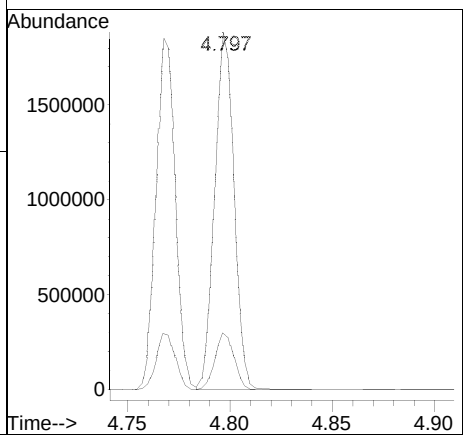


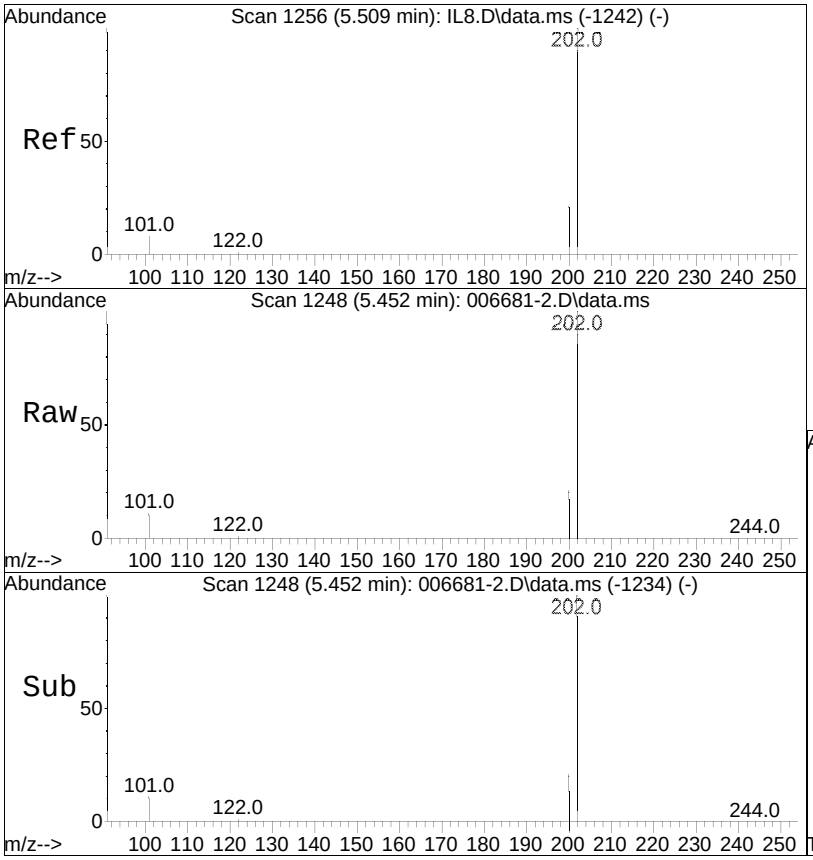


#27
Anthracene
Concen: 1920.04 ng/ml
RT: 4.797 min Scan# 1022
Delta R.T. -0.002 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:178 Resp: 1240038

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	18.8

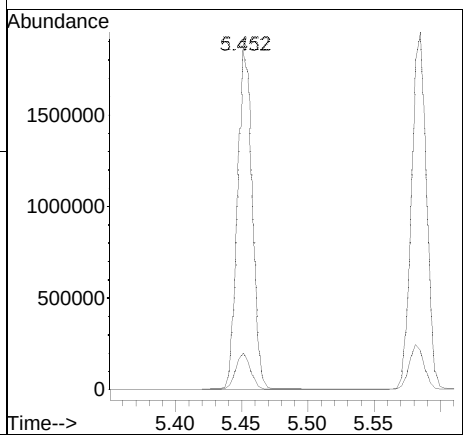


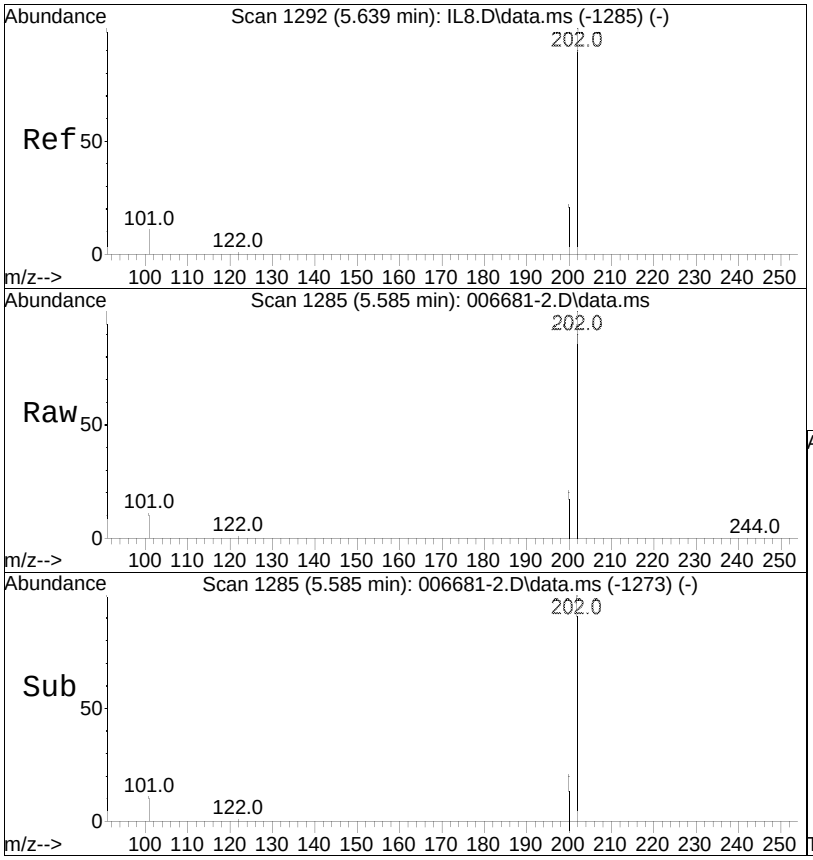


#28
Fluoranthene
Concen: 1893.17 ng/ml
RT: 5.452 min Scan# 1248
Delta R.T. -0.030 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:202 Resp: 1458396

Ion	Ratio	Lower	Upper
202	100		
101	10.6	7.7	11.5

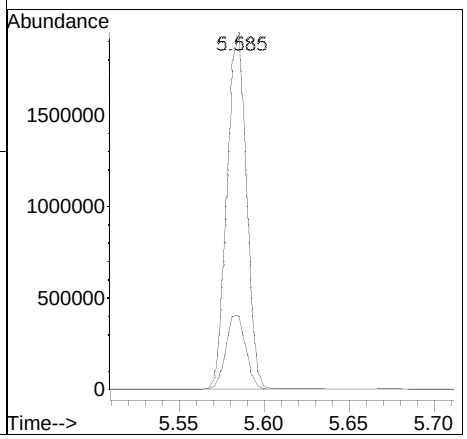


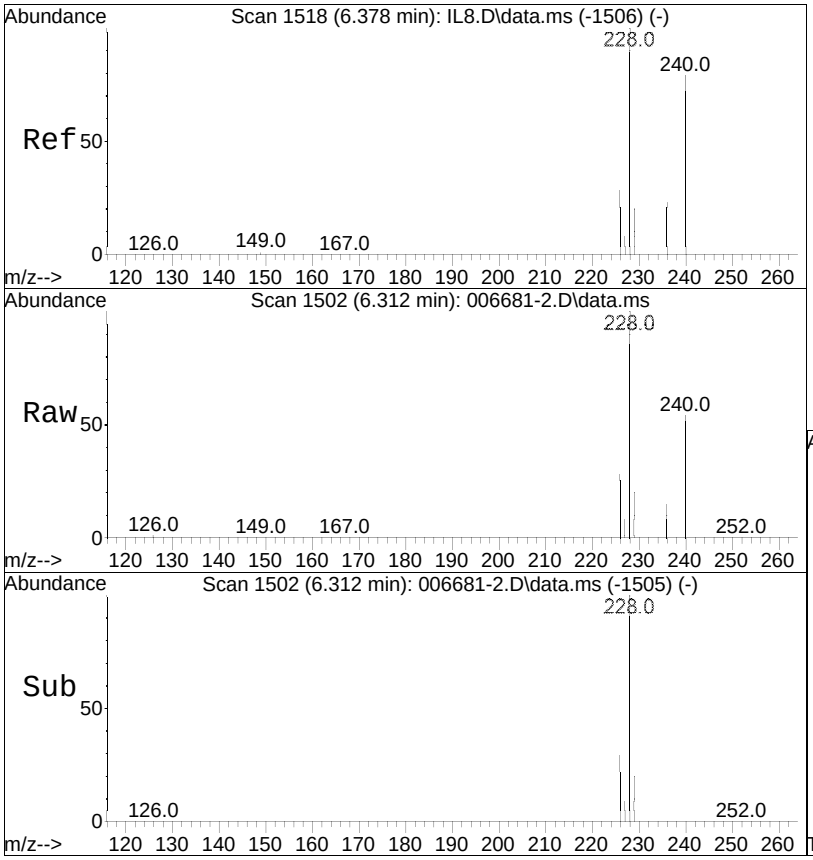


#29
Pyrene
Concen: 1888.98 ng/ml
RT: 5.585 min Scan# 1285
Delta R.T. -0.037 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:202 Resp: 1537792

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9

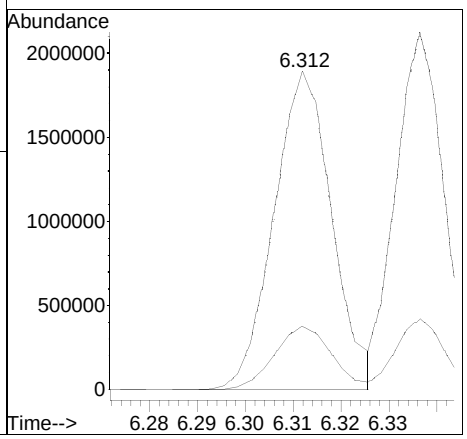


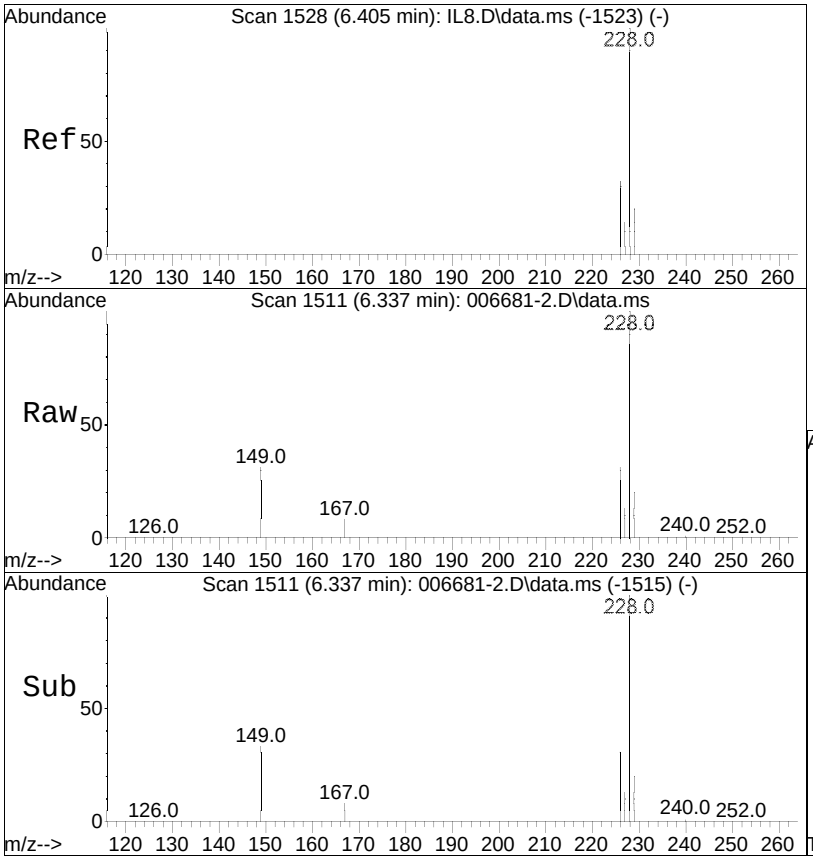


#32
Benzo[a]anthracene
Concen: 2140.48 ng/ml M2
RT: 6.312 min Scan# 1502
Delta R.T. -0.088 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:228 Resp: 1592848

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.9	23.9

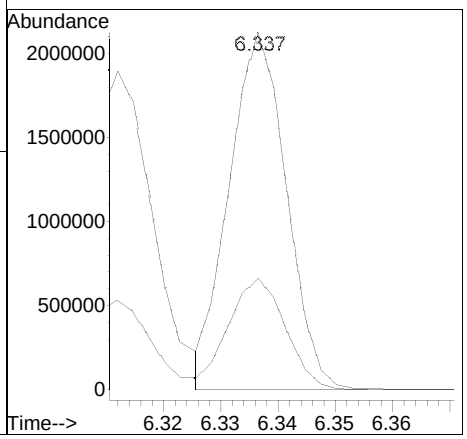


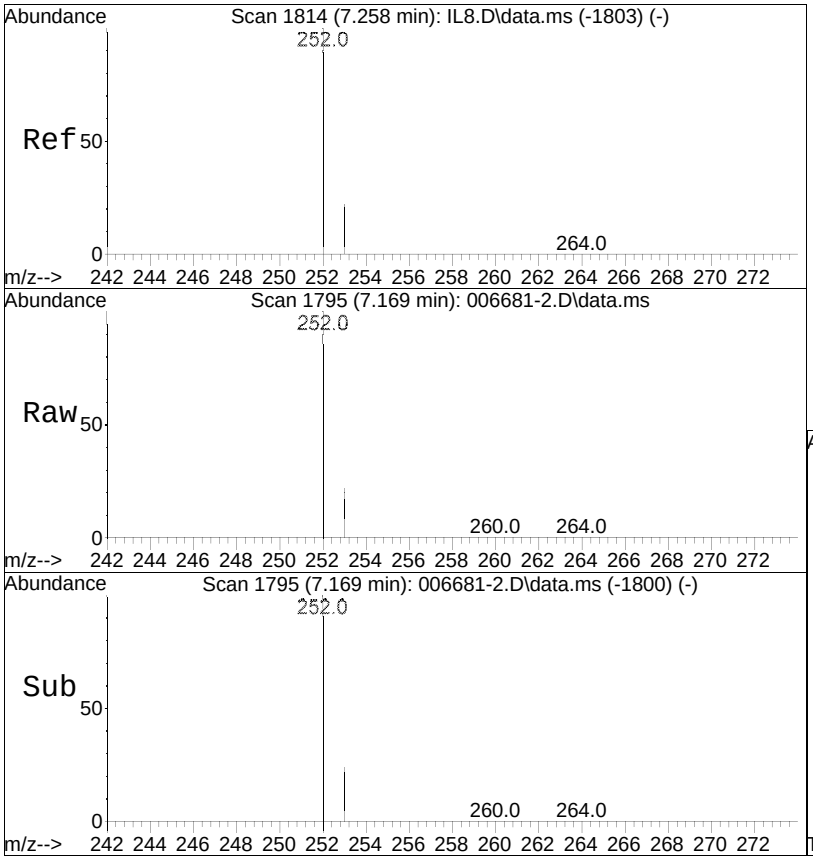


#34
Chrysene
Concen: 2104.90 ng/ml M2
RT: 6.337 min Scan# 1511
Delta R.T. -0.091 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:228 Resp: 1469654

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6

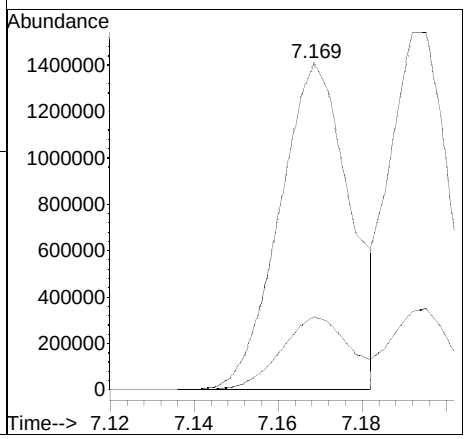


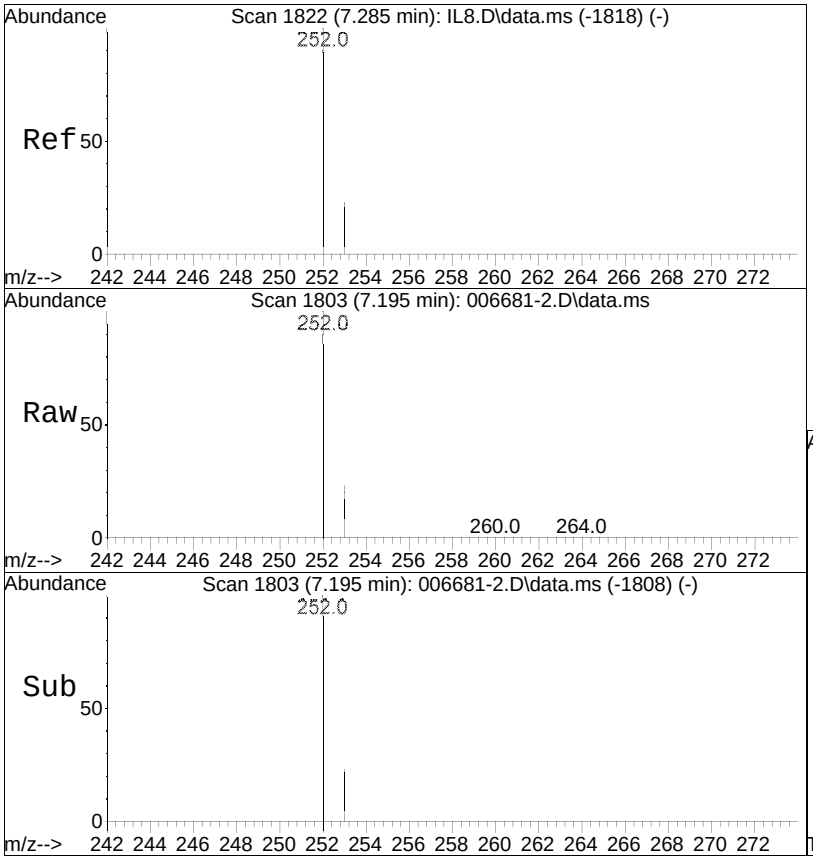


#37
Benzo[b]fluoranthene
Concen: 2122.22 ng/ml M2
RT: 7.169 min Scan# 1795
Delta R.T. -0.097 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:252 Resp: 1645477

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4

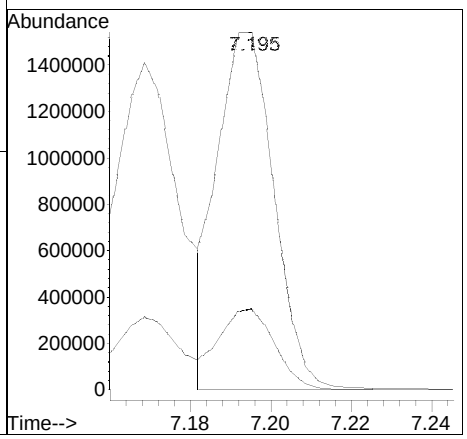


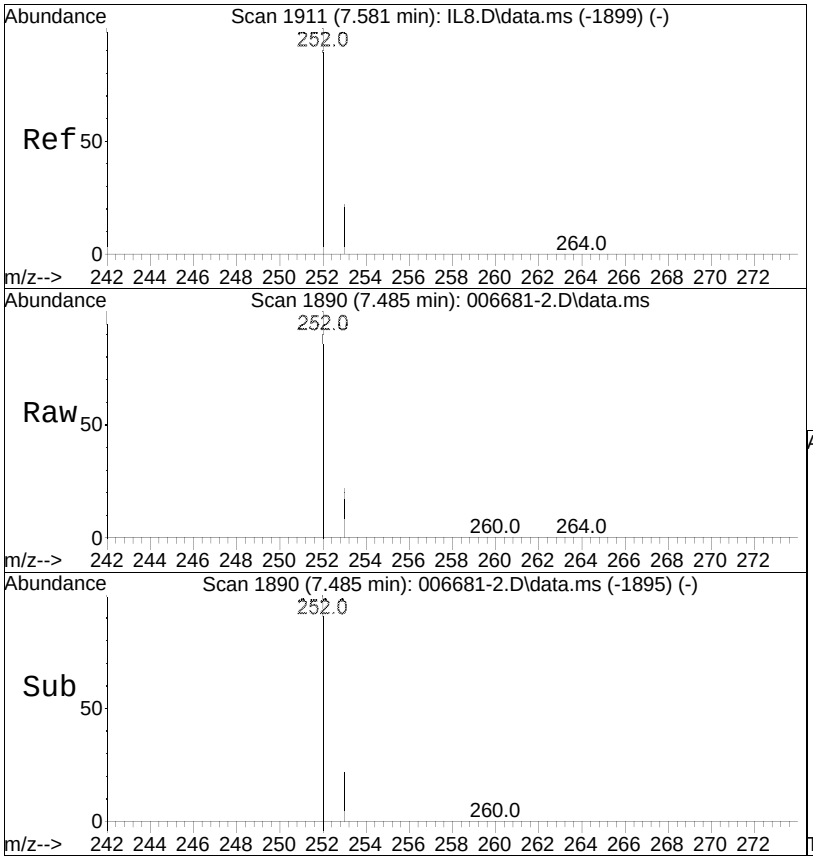


#38
Benzo[k]fluoranthene
Concen: 2112.37 ng/ml M2
RT: 7.195 min Scan# 1803
Delta R.T. -0.097 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:252 Resp: 1496807

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8

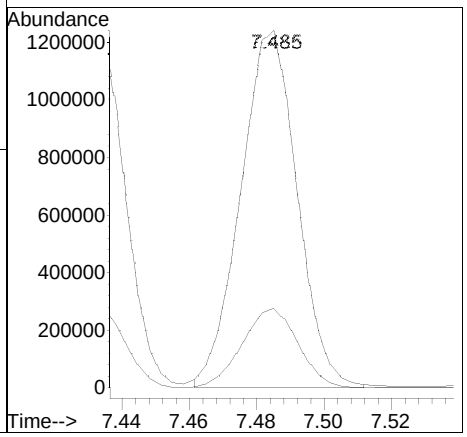


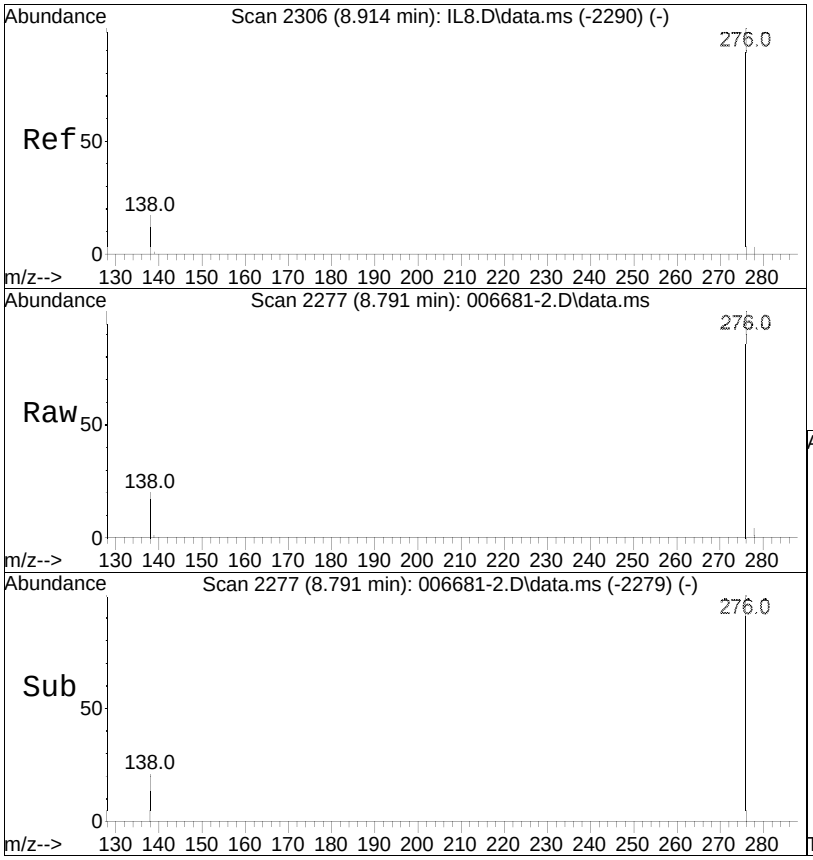


#39
Benzo[a]pyrene
Concen: 2242.10 ng/ml M3
RT: 7.485 min Scan# 1890
Delta R.T. -0.097 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:252 Resp: 1441813

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3

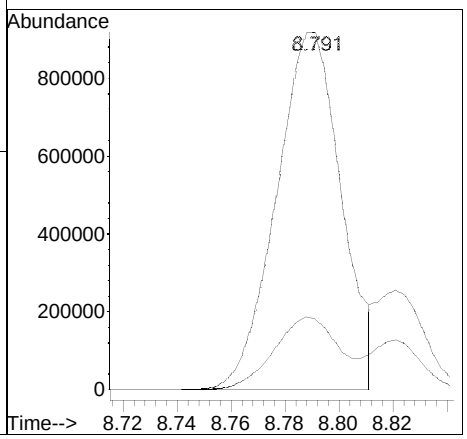


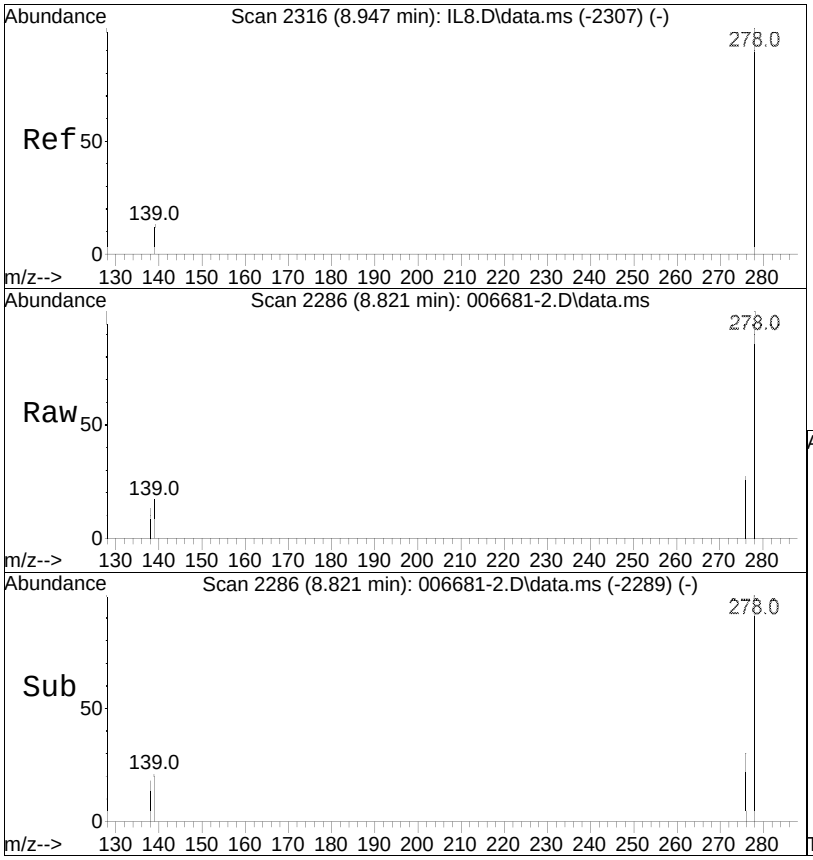


#40
Indeno[1,2,3-cd]pyrene
Concen: 2215.84 ng/ml M2
RT: 8.791 min Scan# 2277
Delta R.T. -0.087 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:276 Resp: 1530330

Ion	Ratio	Lower	Upper
276	100		
138	20.8	13.3	19.9#

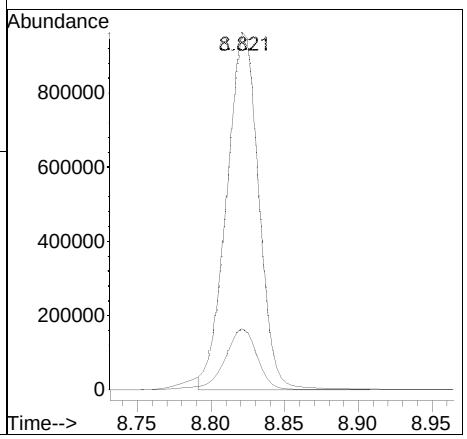


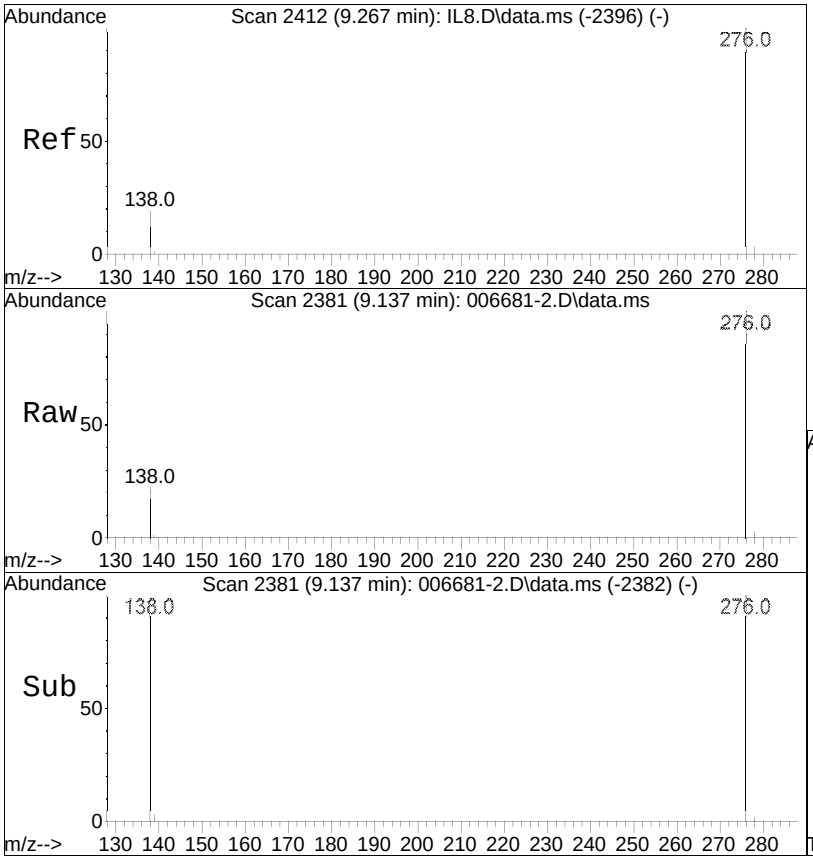


#41
Dibenzo[a,h]anthracene
Concen: 2281.81 ng/ml M2
RT: 8.821 min Scan# 2286
Delta R.T. -0.091 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:278 Resp: 1451545

Ion	Ratio	Lower	Upper
278	100		
139	15.9	11.1	16.7

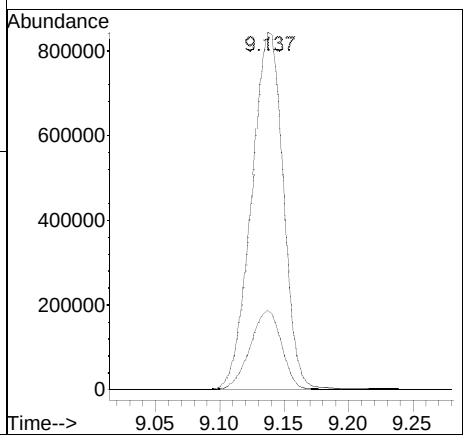




#42
Benzo[g,h,i]perylene
Concen: 2136.87 ng/ml M2
RT: 9.137 min Scan# 2381
Delta R.T. -0.084 min
Lab File: 006681-2.D
Acq: 09 Dec 2024 11:14 am

Tgt Ion:276 Resp: 1433903

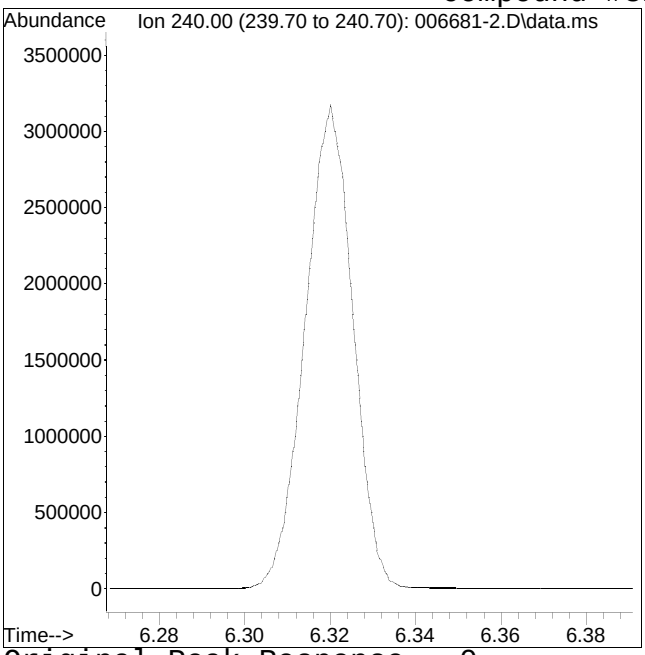
Ion	Ratio	Lower	Upper
276	100		
138	21.9	14.6	22.0



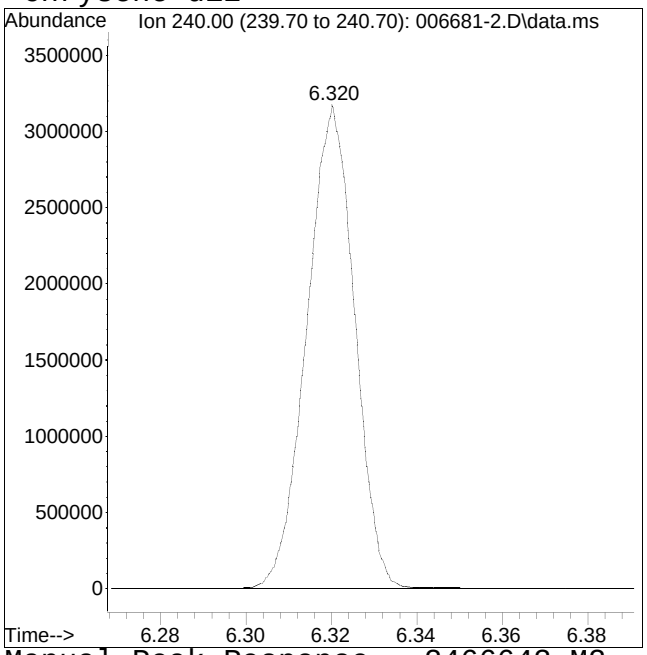
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-2.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:14 am Instrument : SV125
Sample : WG2006681-2,32,,kmh Quant Date : 12/9/2024 11:29 am

Compound #31: Chrysene-d12



Original Peak Response = 0



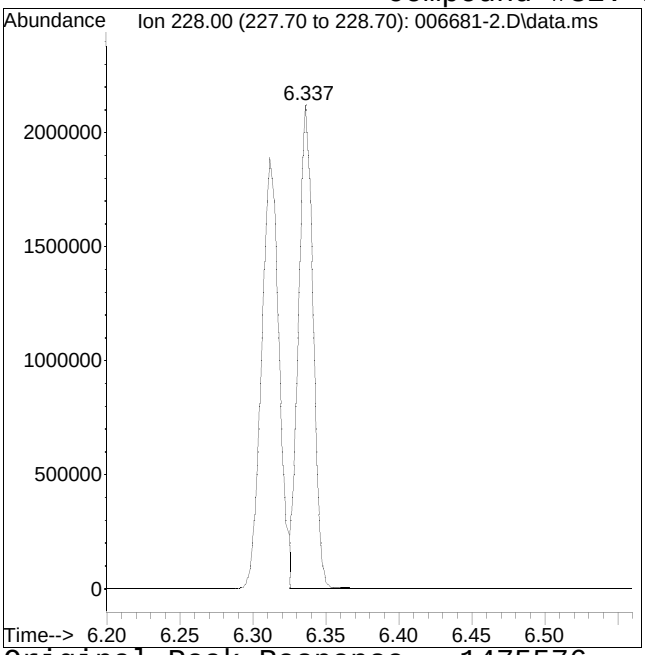
Manual Peak Response = 2466643 M2

M2 = Peak not found by automatic integration algorithm.

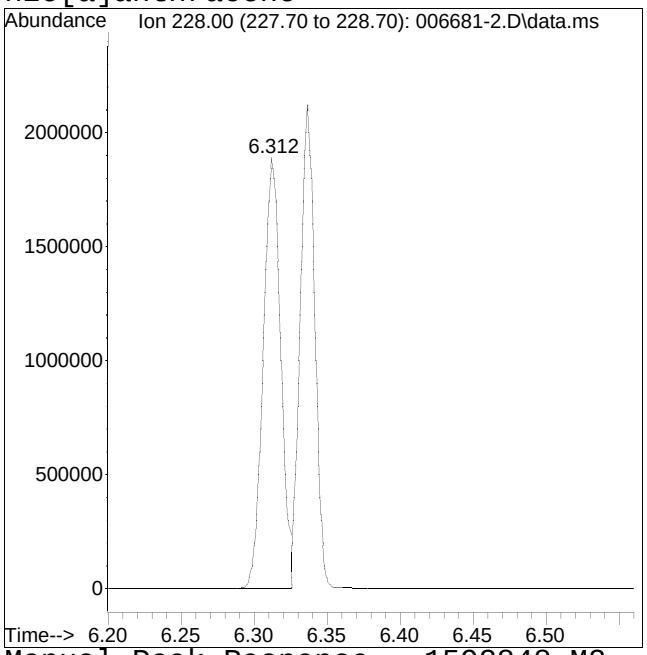
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-2.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:14 am Instrument : SV125
Sample : WG2006681-2,32,,kmh Quant Date : 12/9/2024 11:29 am

Compound #32: Benzo[a]anthracene



Original Peak Response = 1475576



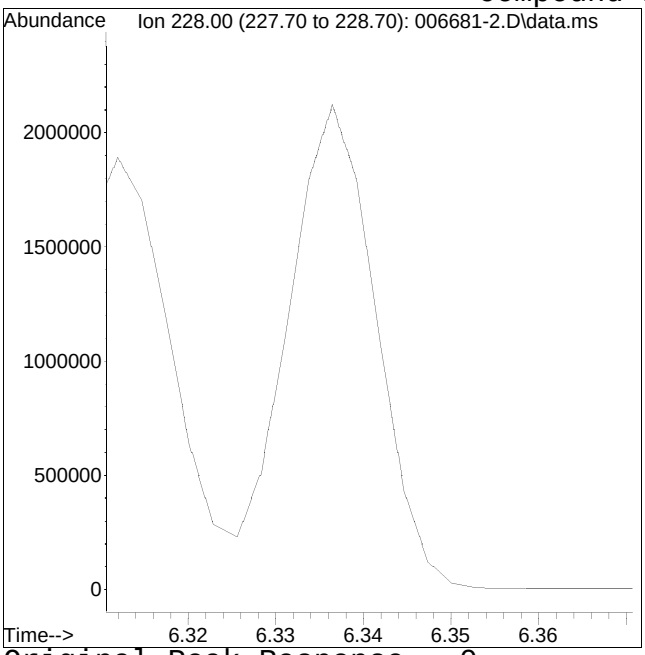
Manual Peak Response = 1592848 M2

M2 = Peak not found by automatic integration algorithm.

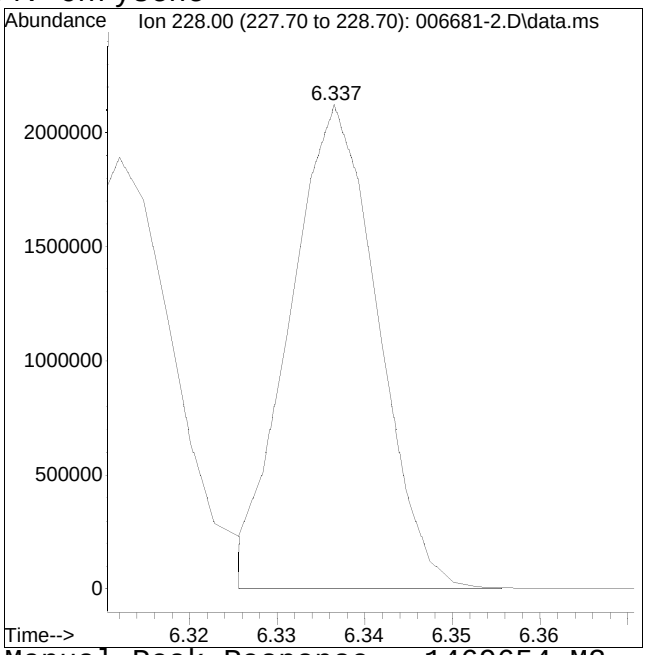
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-2.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:14 am Instrument : SV125
Sample : WG2006681-2,32,,kmh Quant Date : 12/9/2024 11:29 am

Compound #34: Chrysene



Original Peak Response = 0



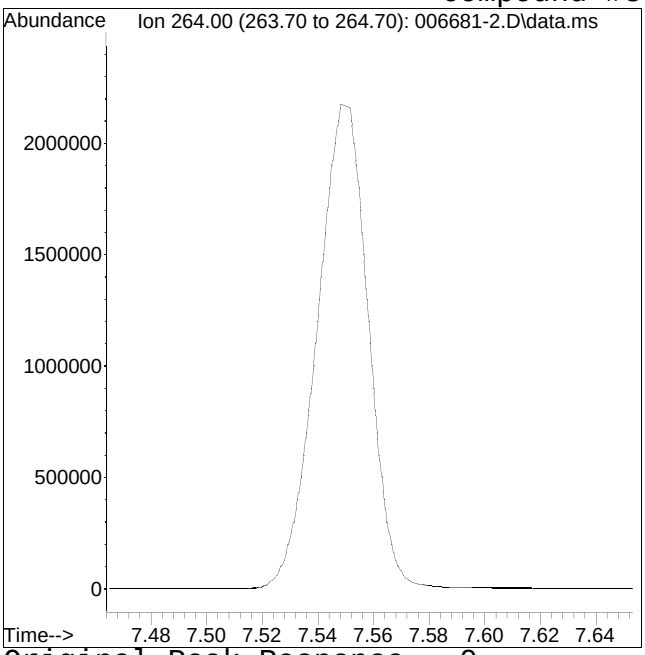
Manual Peak Response = 1469654 M2

M2 = Peak not found by automatic integration algorithm.

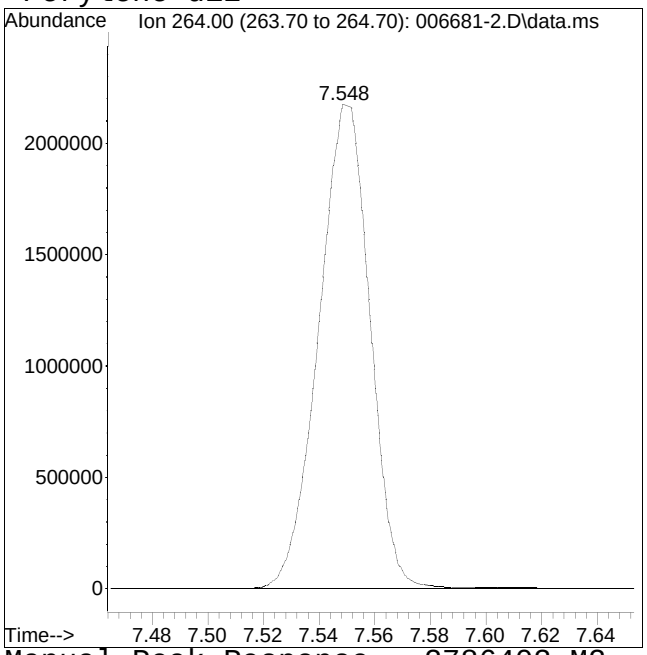
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-2.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:14 am Instrument : SV125
Sample : WG2006681-2,32,,kmh Quant Date : 12/9/2024 11:29 am

Compound #36: Perylene-d12



Original Peak Response = 0



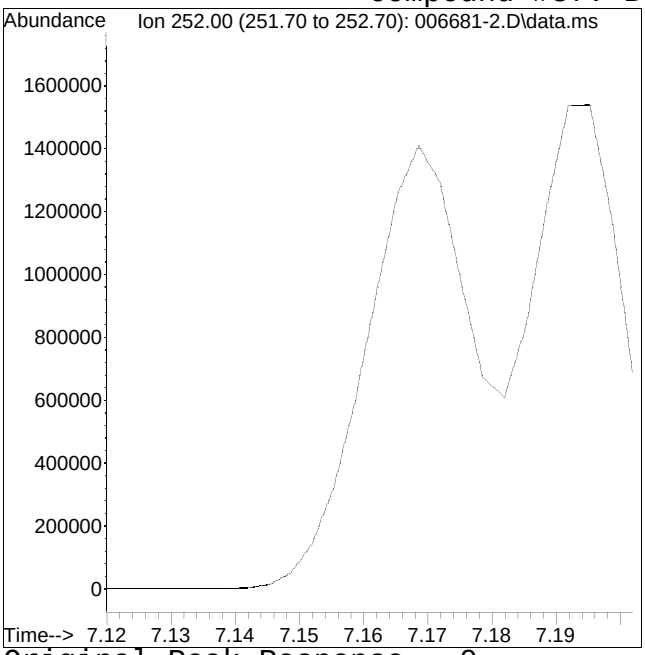
Manual Peak Response = 2786403 M2

M2 = Peak not found by automatic integration algorithm.

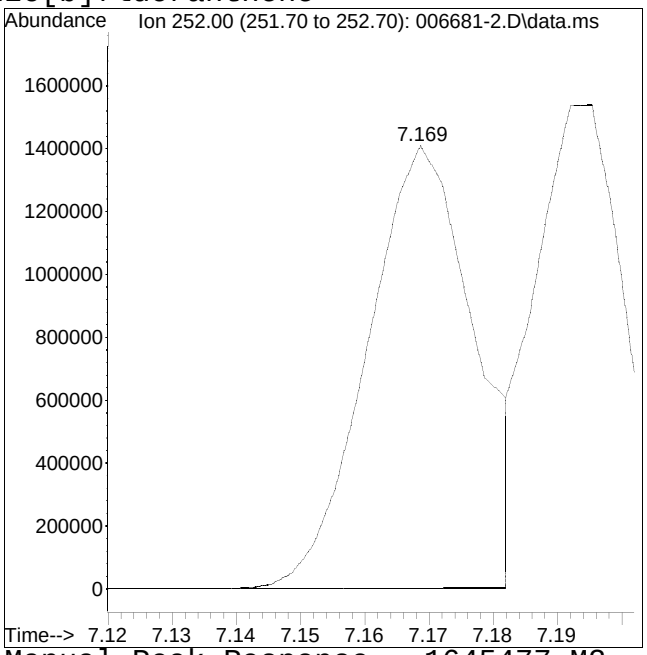
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-2.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:14 am Instrument : SV125
Sample : WG2006681-2,32,,kmh Quant Date : 12/9/2024 11:29 am

Compound #37: Benzo[b]fluoranthene



Original Peak Response = 0



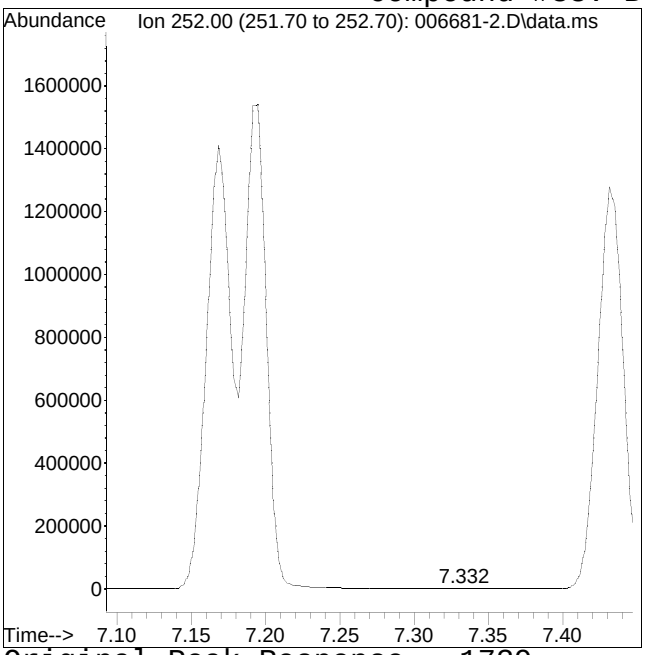
Manual Peak Response = 1645477 M2

M2 = Peak not found by automatic integration algorithm.

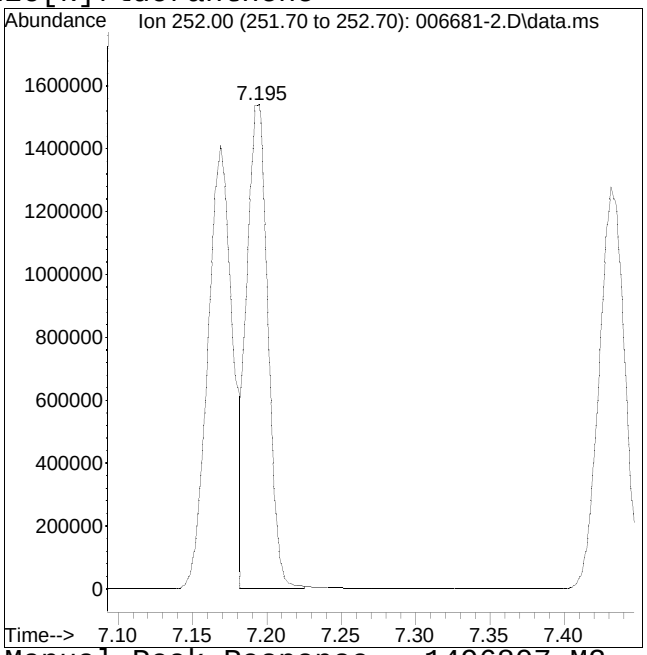
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-2.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:14 am Instrument : SV125
Sample : WG2006681-2,32,,kmh Quant Date : 12/9/2024 11:29 am

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 1739



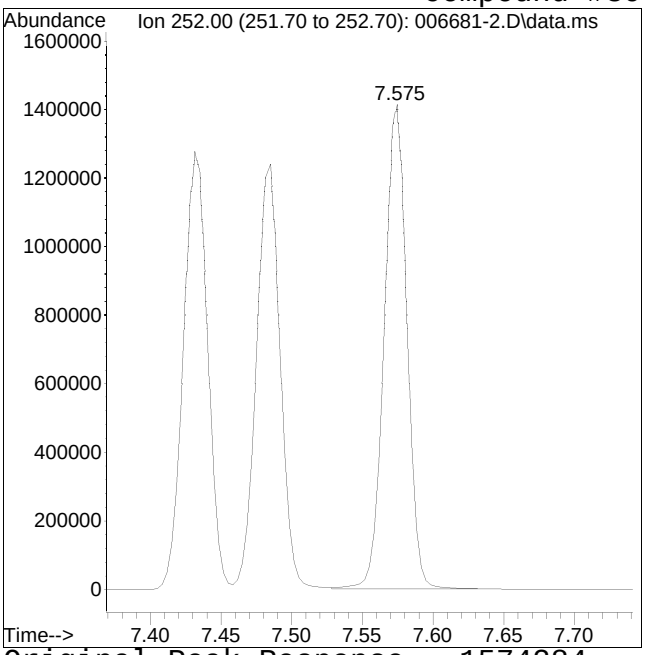
Manual Peak Response = 1496807 M2

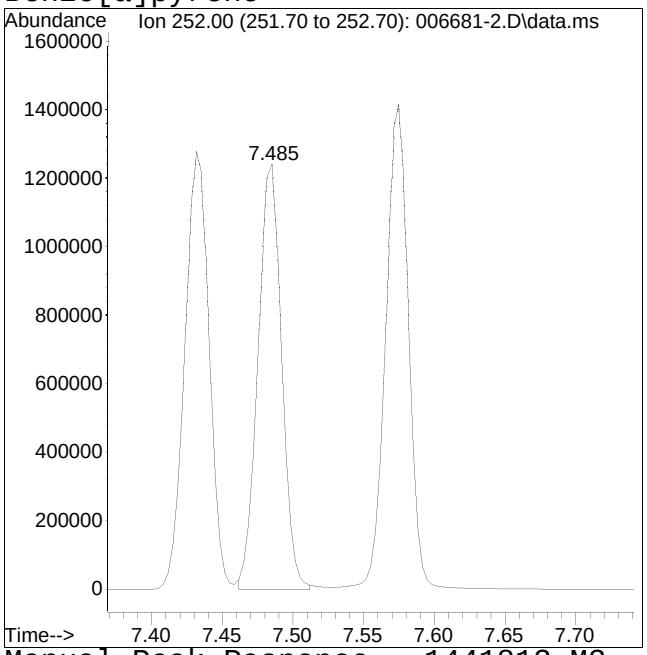
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-2.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:14 am Instrument : SV125
Sample : WG2006681-2,32,,kmh Quant Date : 12/9/2024 11:29 am

Compound #39: Benzo[a]pyrene





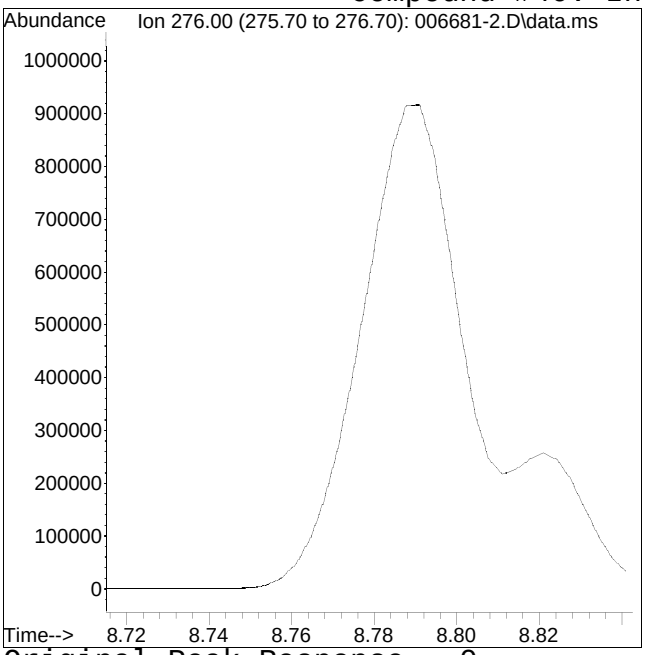
Original Peak Response = 1574284 Manual Peak Response = 1441813 M3

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.

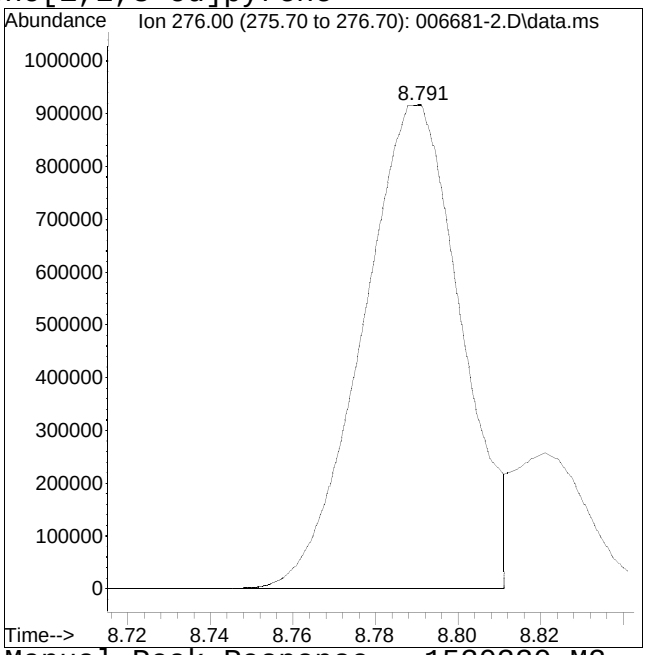
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-2.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:14 am Instrument : SV125
Sample : WG2006681-2,32,,kmh Quant Date : 12/9/2024 11:29 am

Compound #40: Indeno[1,2,3-cd]pyrene



Original Peak Response = 0



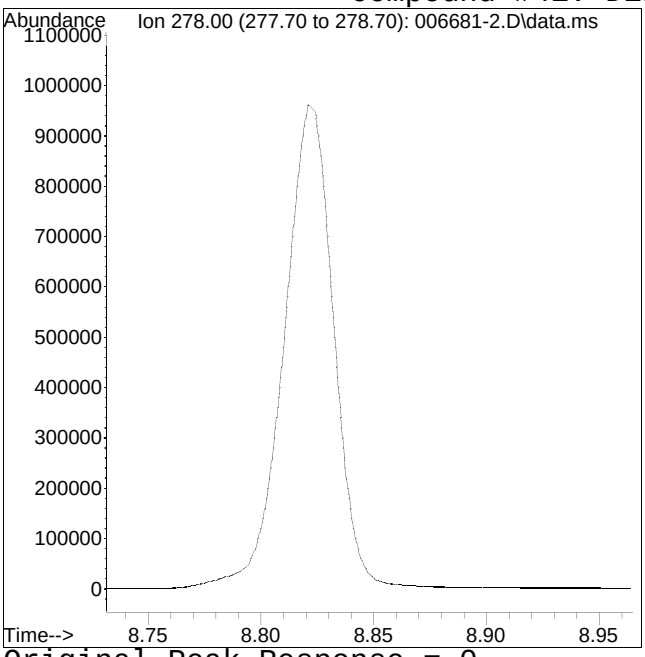
Manual Peak Response = 1530330 M2

M2 = Peak not found by automatic integration algorithm.

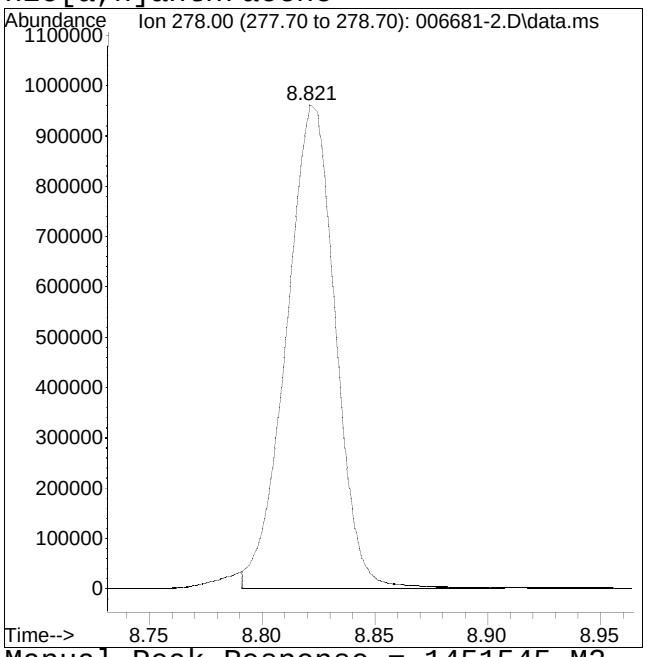
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-2.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:14 am Instrument : SV125
Sample : WG2006681-2,32,,kmh Quant Date : 12/9/2024 11:29 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 0



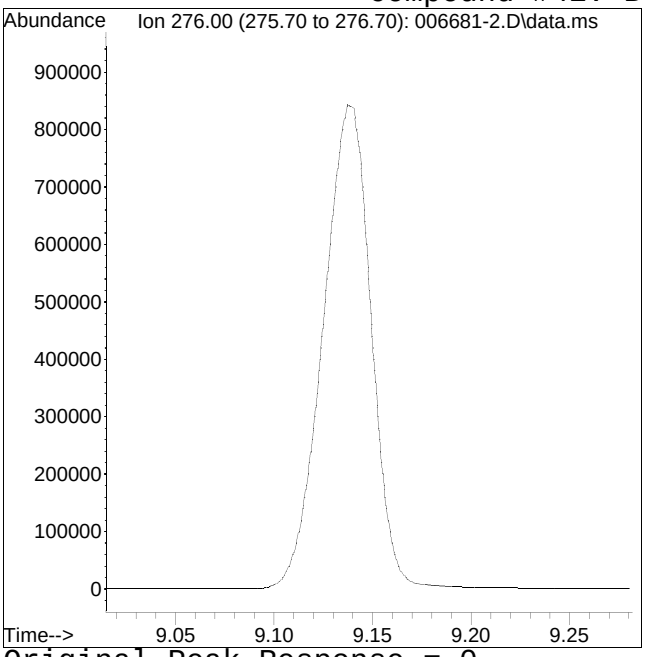
Manual Peak Response = 1451545 M2

M2 = Peak not found by automatic integration algorithm.

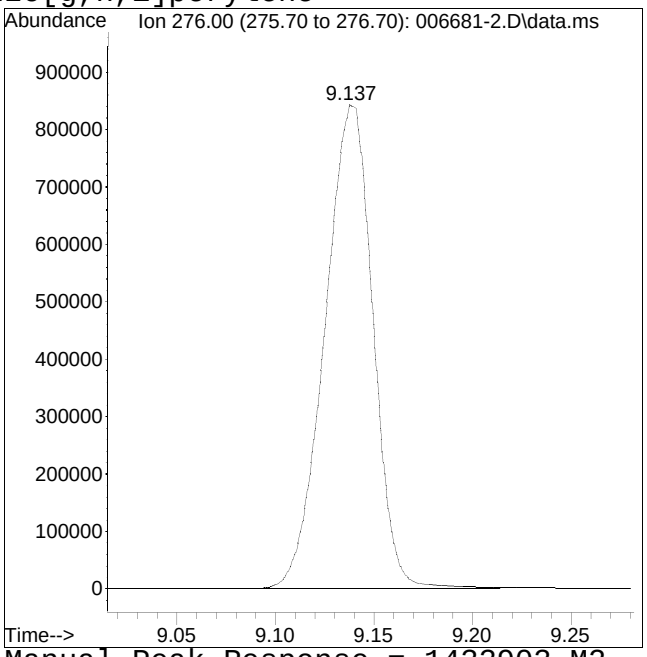
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-2.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:14 am Instrument : SV125
Sample : WG2006681-2,32,,kmh Quant Date : 12/9/2024 11:29 am

Compound #42: Benzo[g,h,i]perylene



Original Peak Response = 0



Manual Peak Response = 1433903 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-3.D
Acq On : 05 Dec 2024 12:23 pm
Operator : SV125:dv
Sample : WG2005370-3,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 11:08:49 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.286	152	645634	4000.000	ng/ml	0.00
Standard Area 1 = 632709			Recovery	= 102.04%		
8) Naphthalene-d8	2.947	136	2444748	4000.000	ng/ml	0.00
Standard Area 1 = 2356386			Recovery	= 103.75%		
17) Acenaphthene-d10	3.922	164	1403165	4000.000	ng/ml	0.00
Standard Area 1 = 1484083			Recovery	= 94.55%		
22) Phenanthrene-d10	4.763	188	2847432	4000.000	ng/ml	0.00
Standard Area 1 = 3199114			Recovery	= 89.01%		
31) Chrysene-d12	6.316	240	2863717	4000.000	ng/ml	0.00
Standard Area 1 = 3334220			Recovery	= 85.89%		
36) Perylene-d12	7.538	264	3278439	4000.000	ng/ml	0.00
Standard Area 1 = 3903811			Recovery	= 83.98%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.704	112	183333	1056.797	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 52.84%		
3) Phenol-d6	2.103	99	161929	737.491	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 36.87%		
7) Nitrobenzene-d5	2.568	82	150542	805.316	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 80.53%		
13) 2-Fluorobiphenyl	3.539	172	414884	762.868	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 76.29%		
21) 2,4,6-Tribromophenol	4.367	330	175162	2301.619	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 115.08%#		
30) 4-Terphenyl-d14	5.671	244	647575	986.365	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 98.64%		
Target Compounds						Qvalue
6) Hexachloroethane	2.543	117	102703	1265.412	ng/ml	96
9) Naphthalene	2.958	128	994814	1515.341	ng/ml#	81
10) Hexachlorobutadiene	3.028	225	152269	1134.453	ng/ml	99
11) 2-Methylnaphthalene	3.337	142	669437	1512.435	ng/ml	99
14) 2-Chloronaphthalene	3.606	162	707117	1525.461	ng/ml	92
16) Acenaphthylene	3.841	152	1173577	1783.739	ng/ml	100
18) Acenaphthene	3.941	153	821755	1816.896	ng/ml	98
20) Fluorene	4.231	166	976292	1955.182	ng/ml	99
24) Hexachlorobenzene	4.550	284	350245	1918.313	ng/ml	97
25) Pentachlorophenol	4.661	266	242129	2266.201	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-3.D
Acq On : 05 Dec 2024 12:23 pm
Operator : SV125:dv
Sample : WG2005370-3,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 11:08:49 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.776	178	1679650	2134.411	ng/ml	100
27) Anthracene	4.805	178	1714929	2263.205	ng/ml	100
28) Fluoranthene	5.454	202	2098776	2322.121	ng/ml	97
29) Pyrene	5.584	202	2215815	2319.891	ng/ml	100
32) Benzo[a]anthracene	6.308	228	2256238	2613.864	ng/ml	100
34) Chrysene	6.329	228	2144295	2645.312	ng/ml	100
37) Benzo[b]fluoranthene	7.158	252	2421710	2654.592	ng/ml	100
38) Benzo[k]fluoranthene	7.182	252	2167813	2600.178	ng/ml	99
39) Benzo[a]pyrene	7.472	252	2032386	2686.145	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.771	276	2317812	2852.392	ng/ml#	92
41) Dibenzo[a,h]anthracene	8.804	278	2122034M6	2835.159	ng/ml	
42) Benzo[g,h,i]perylene	9.120	276	2132515	2701.018	ng/ml#	91

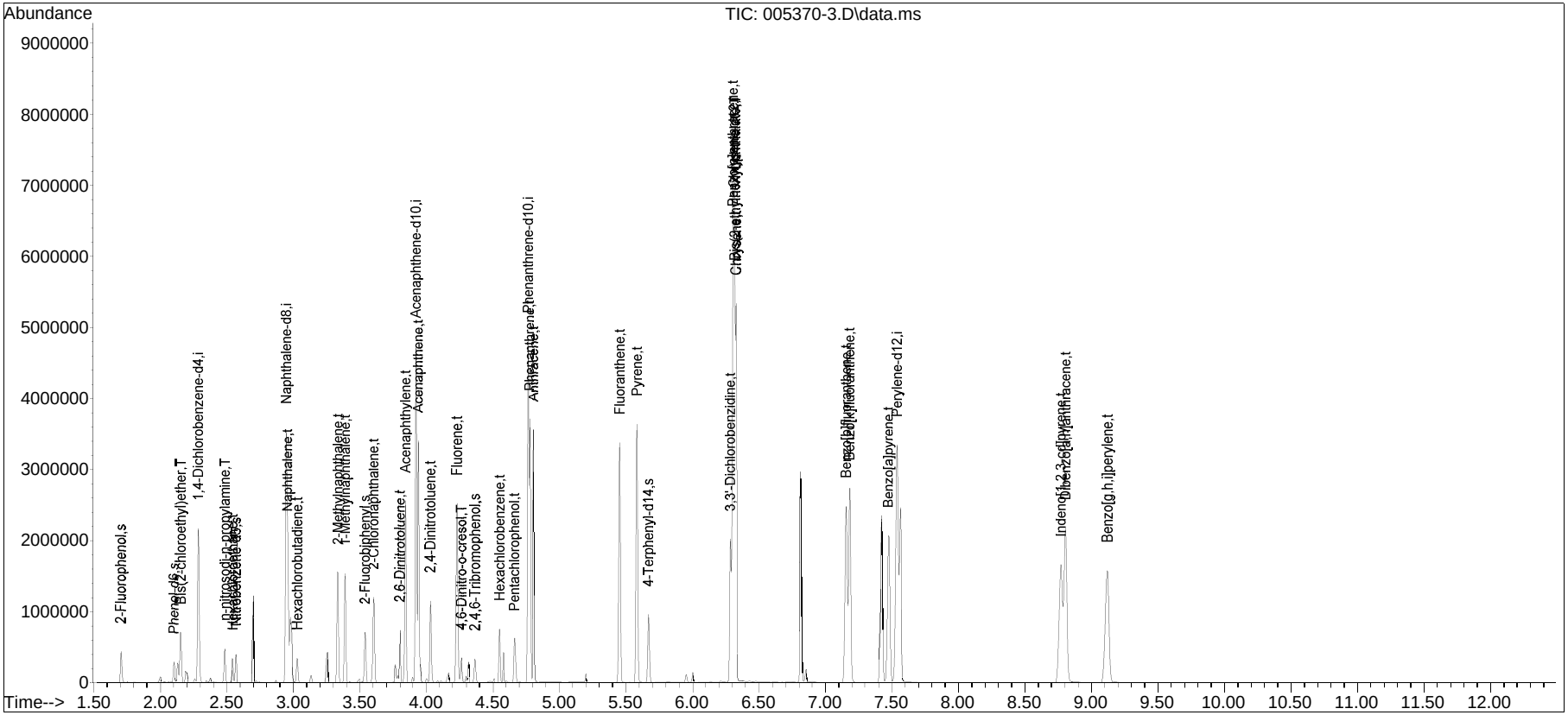
(#) = qualifier out of range (m) = manual integration (+) = signals summed

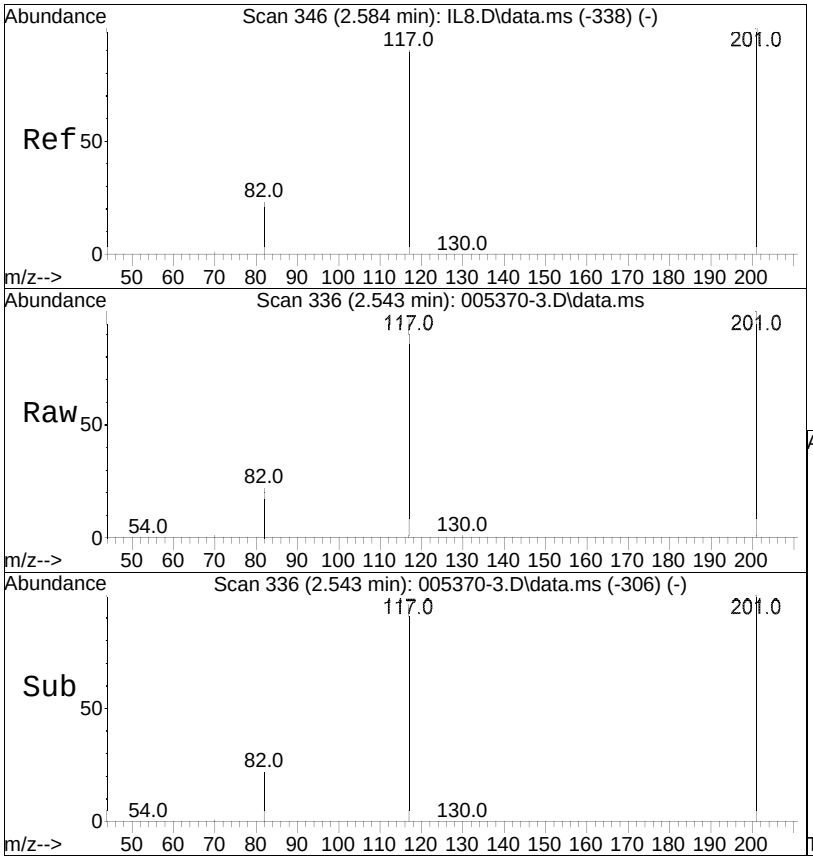
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-3.D
Acq On : 05 Dec 2024 12:23 pm
Operator : SV125:dv
Sample : WG2005370-3,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 06 11:08:49 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•

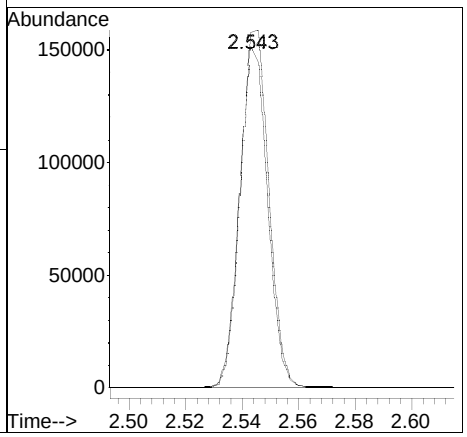


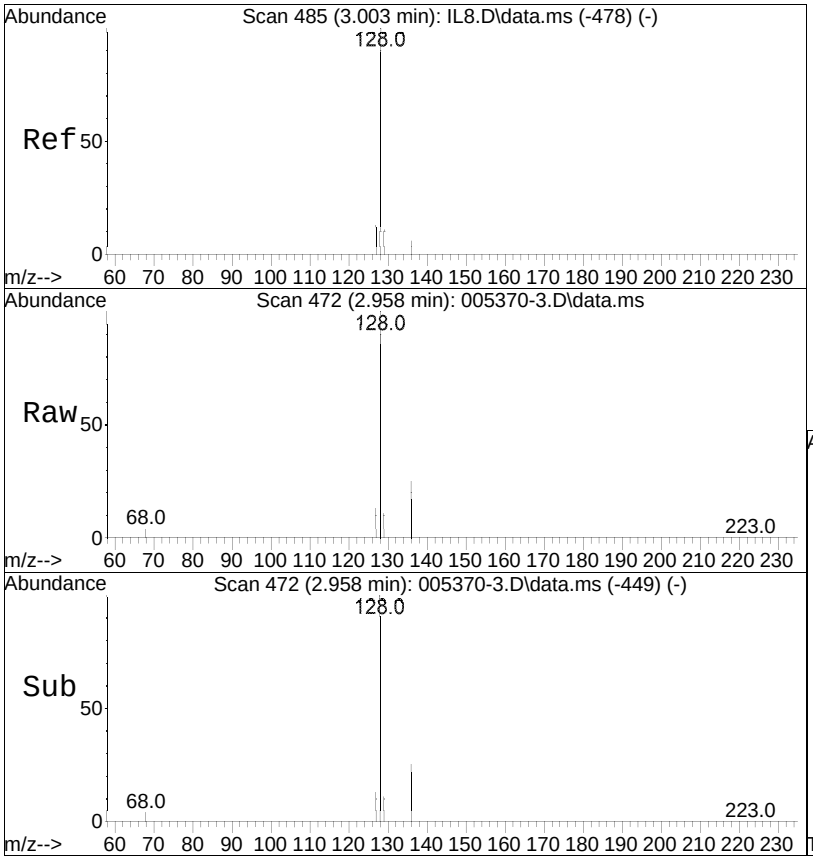


#6
Hexachloroethane
Concen: 1265.41 ng/ml
RT: 2.543 min Scan# 336
Delta R.T. 0.002 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:117 Resp: 102703

Ion	Ratio	Lower	Upper
117	100		
201	106.2	88.0	132.0

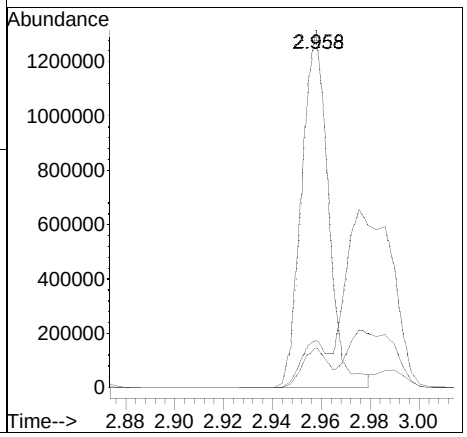


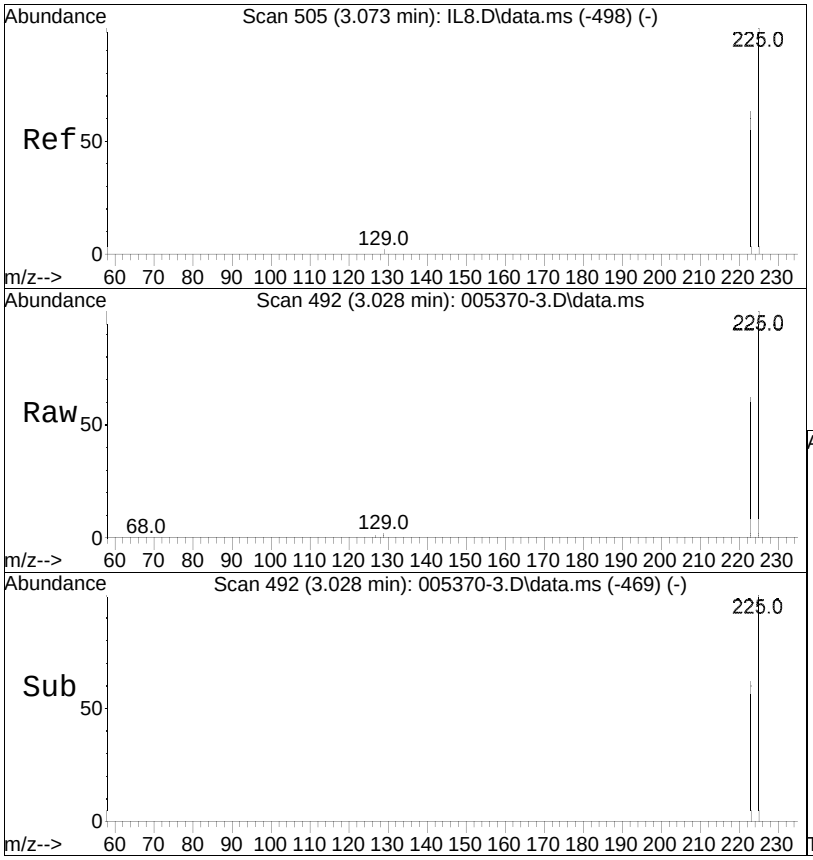


#9
Naphthalene
Concen: 1515.34 ng/ml
RT: 2.958 min Scan# 472
Delta R.T. 0.002 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:128 Resp: 994814

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	0.0	10.9	16.3#

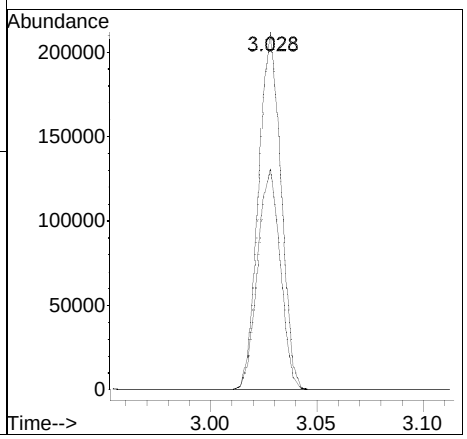


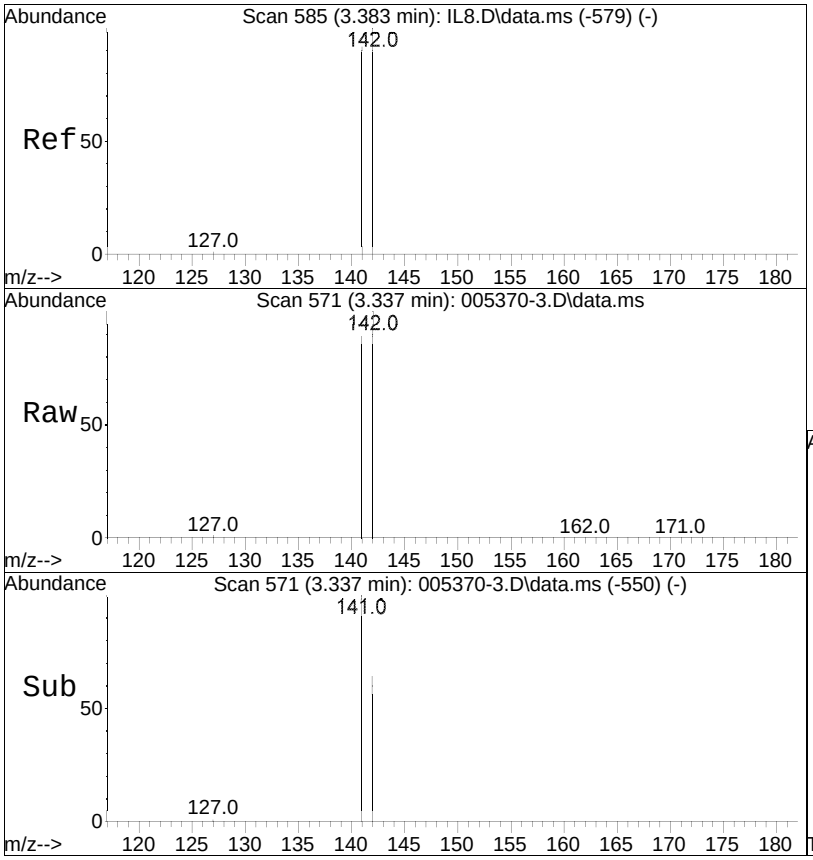


#10
Hexachlorobutadiene
Concen: 1134.45 ng/ml
RT: 3.028 min Scan# 492
Delta R.T. 0.002 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:225 Resp: 152269

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.3	75.5

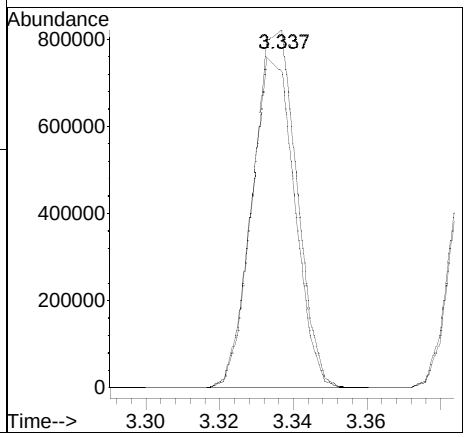


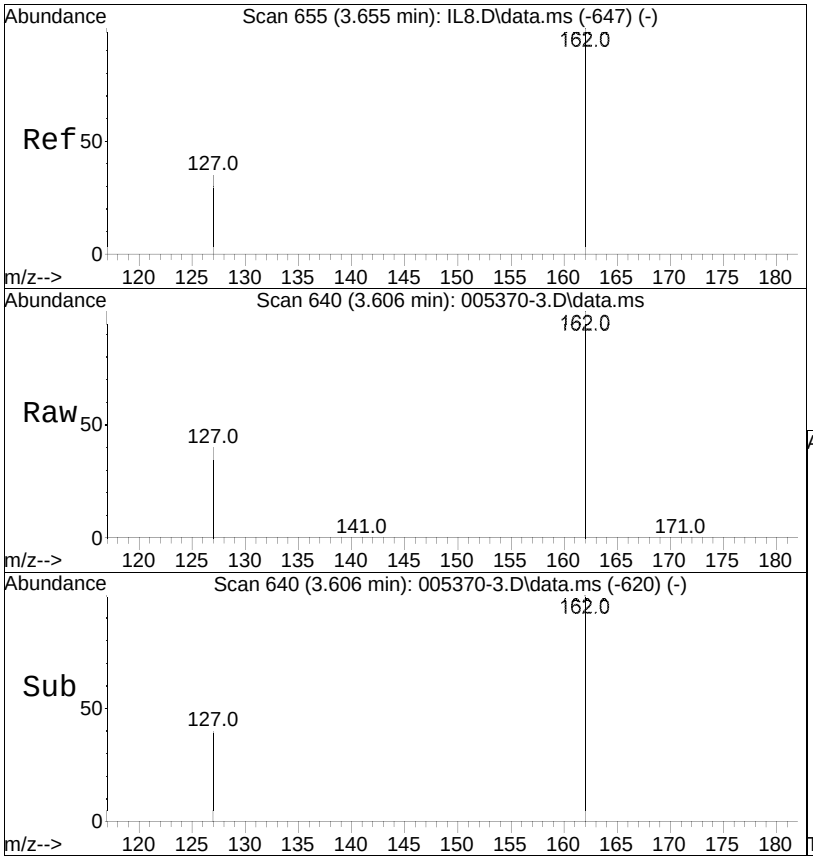


#11
2-Methylnaphthalene
Concen: 1512.44 ng/ml
RT: 3.337 min Scan# 571
Delta R.T. 0.002 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:142 Resp: 669437

Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.0	111.0

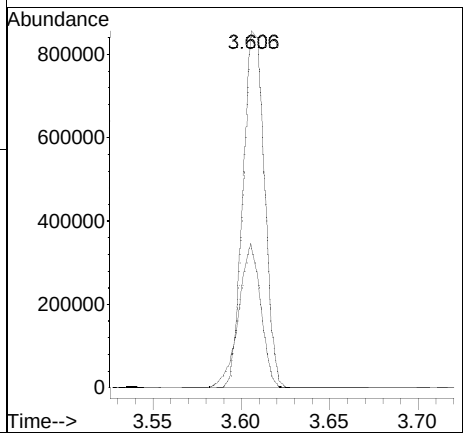


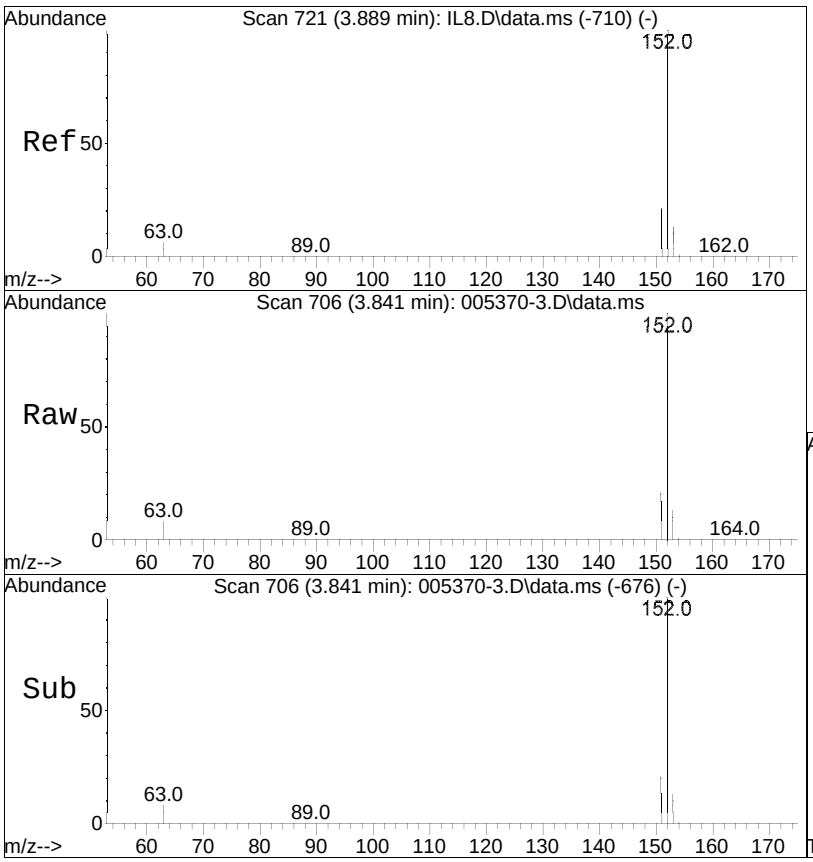


#14
2-Chloronaphthalene
Concen: 1525.46 ng/ml
RT: 3.606 min Scan# 640
Delta R.T. -0.001 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:162 Resp: 707117

Ion	Ratio	Lower	Upper
162	100		
127	42.1	30.1	45.1

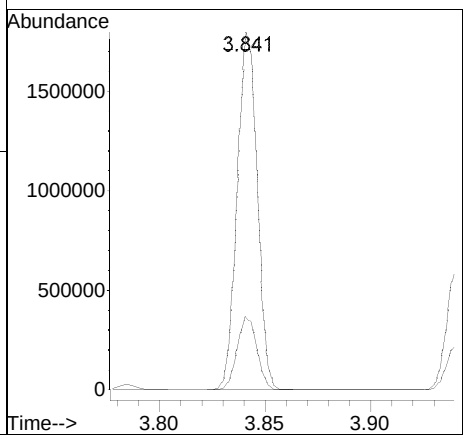


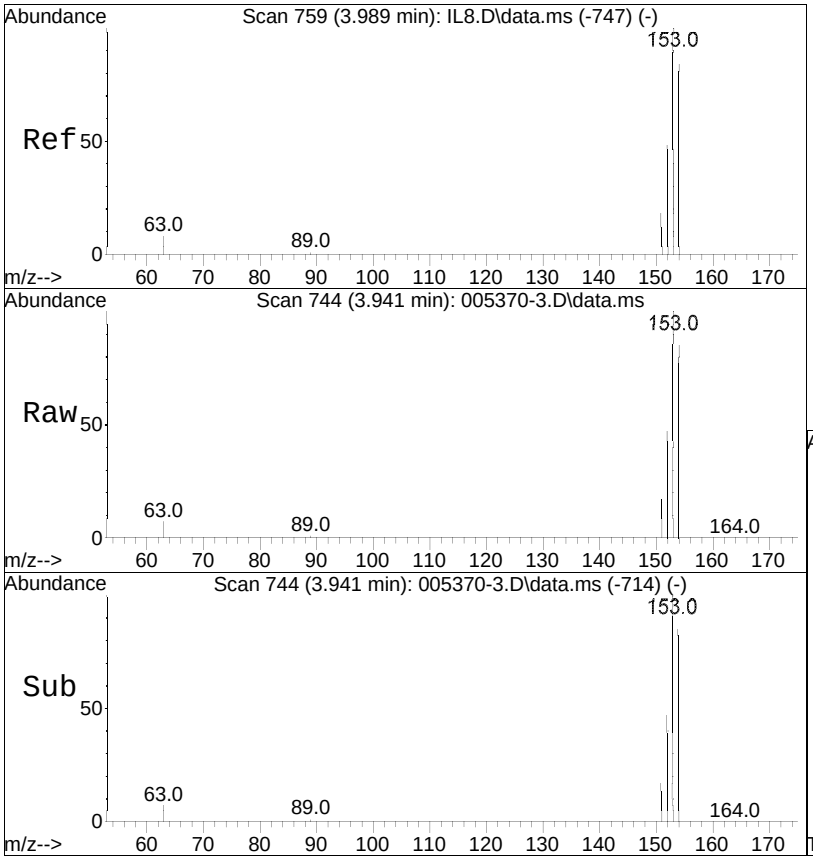


#16
Acenaphthylene
Concen: 1783.74 ng/ml
RT: 3.841 min Scan# 706
Delta R.T. -0.001 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:152 Resp: 1173577

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.5	24.7

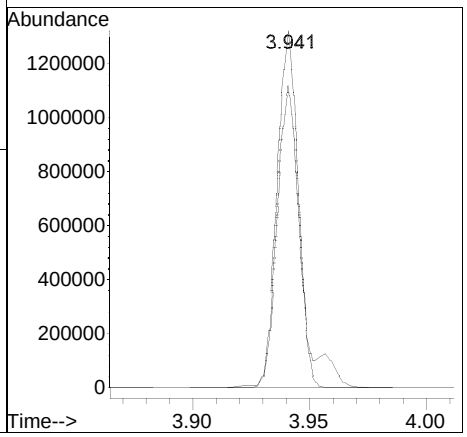


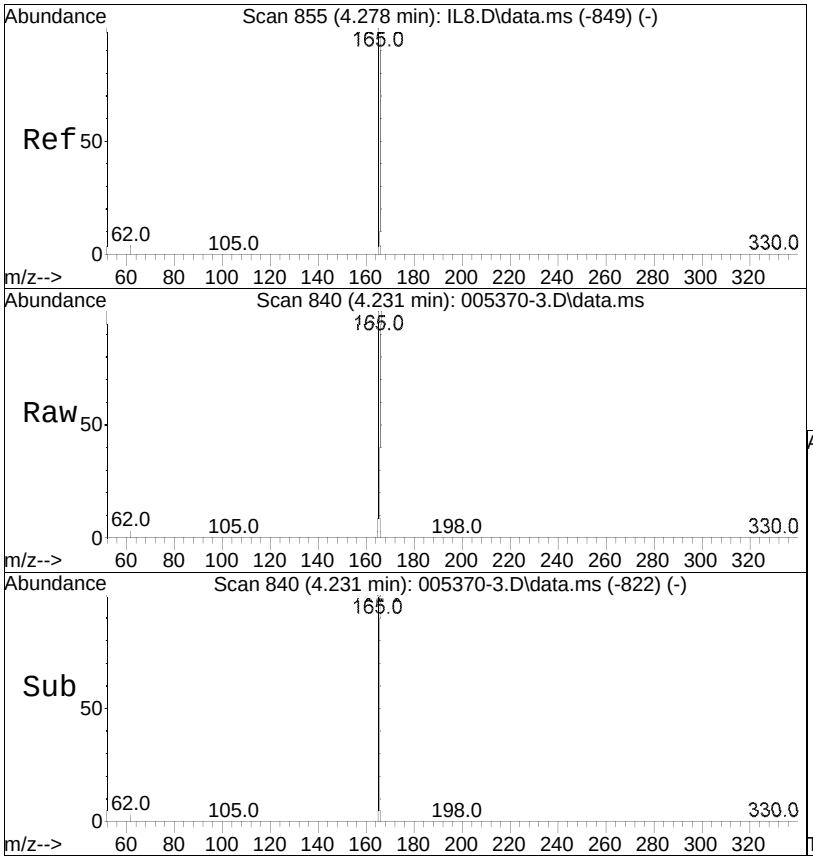


#18
Acenaphthene
Concen: 1816.90 ng/ml
RT: 3.941 min Scan# 744
Delta R.T. -0.001 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:153 Resp: 821755

Ion	Ratio	Lower	Upper
153	100		
154	95.4	74.9	112.3

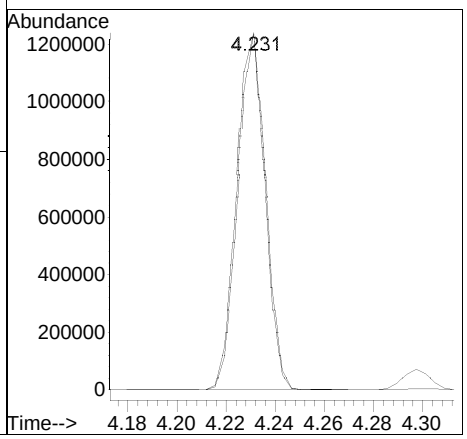


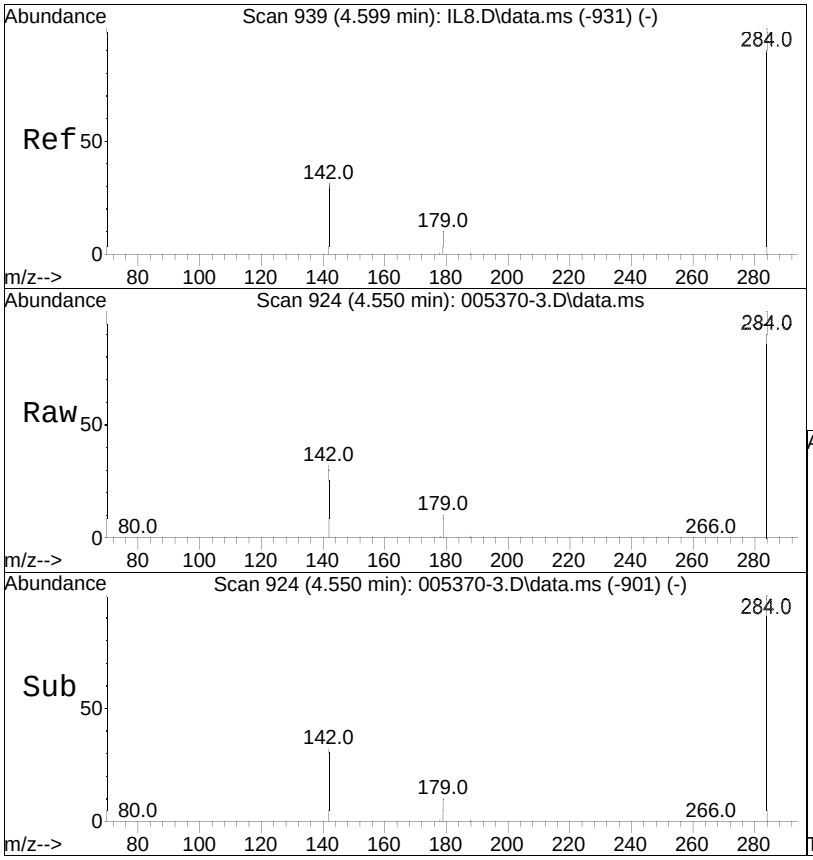


#20
Fluorene
Concen: 1955.18 ng/ml
RT: 4.231 min Scan# 840
Delta R.T. -0.001 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:166 Resp: 976292

Ion	Ratio	Lower	Upper
166	100		
165	101.5	82.2	123.4

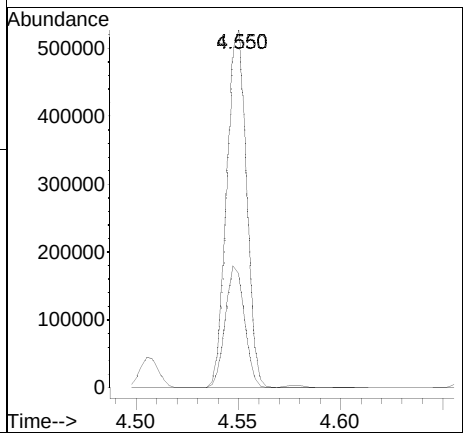


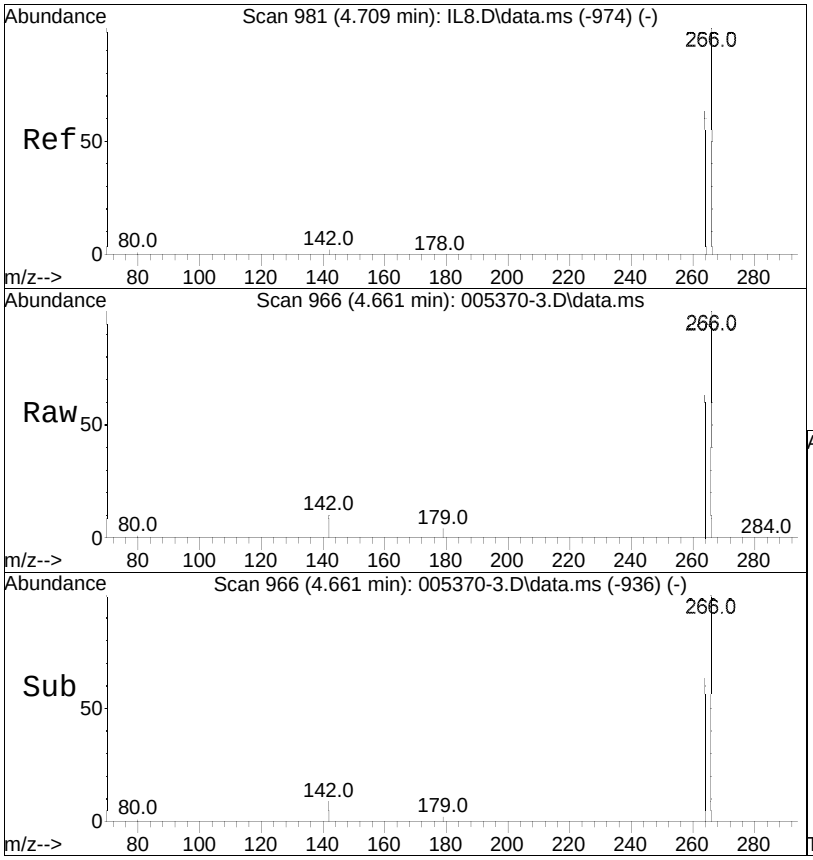


#24
Hexachlorobenzene
Concen: 1918.31 ng/ml
RT: 4.550 min Scan# 924
Delta R.T. 0.001 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:284 Resp: 350245

Ion	Ratio	Lower	Upper
284	100		
142	33.5	25.4	38.0

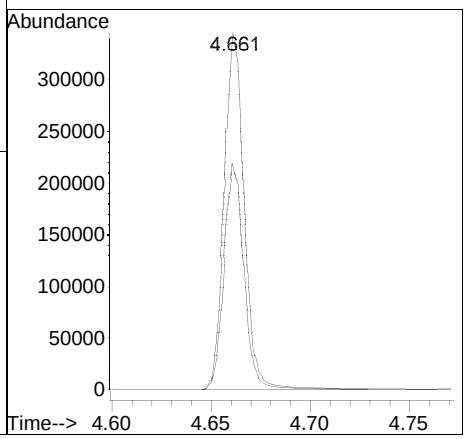


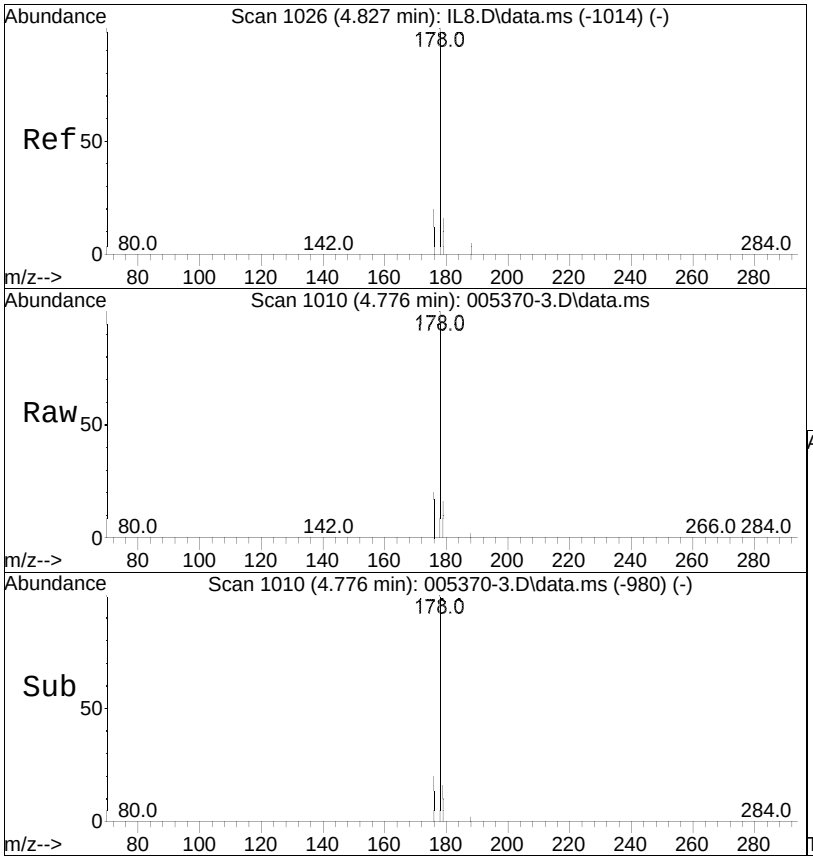


#25
Pentachlorophenol
Concen: 2266.20 ng/ml
RT: 4.661 min Scan# 966
Delta R.T. -0.001 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:266 Resp: 242129

Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.6	76.0

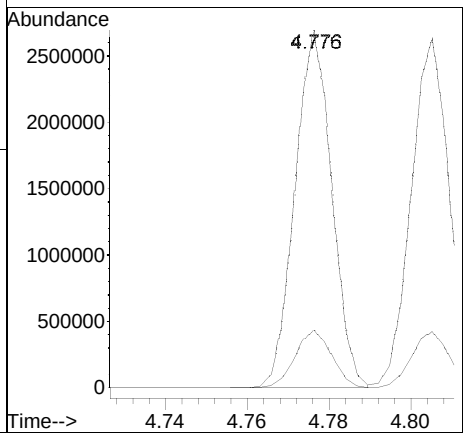


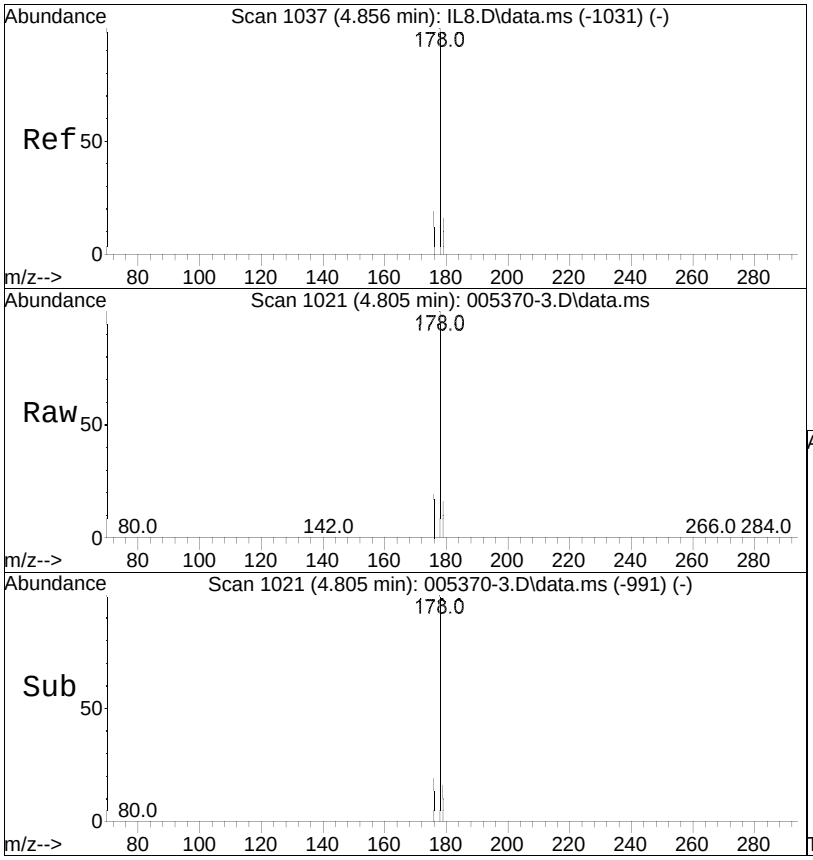


#26
Phenanthrene
Concen: 2134.41 ng/ml
RT: 4.776 min Scan# 1010
Delta R.T. -0.001 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:178 Resp: 1679650

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.8	19.2

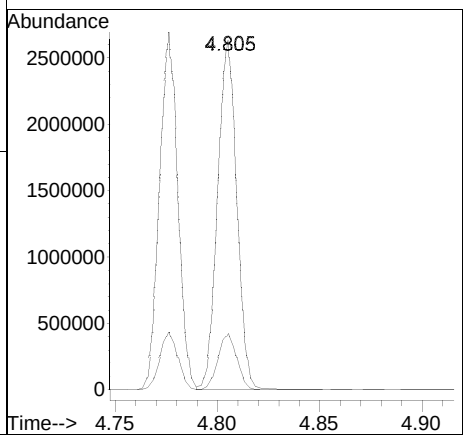


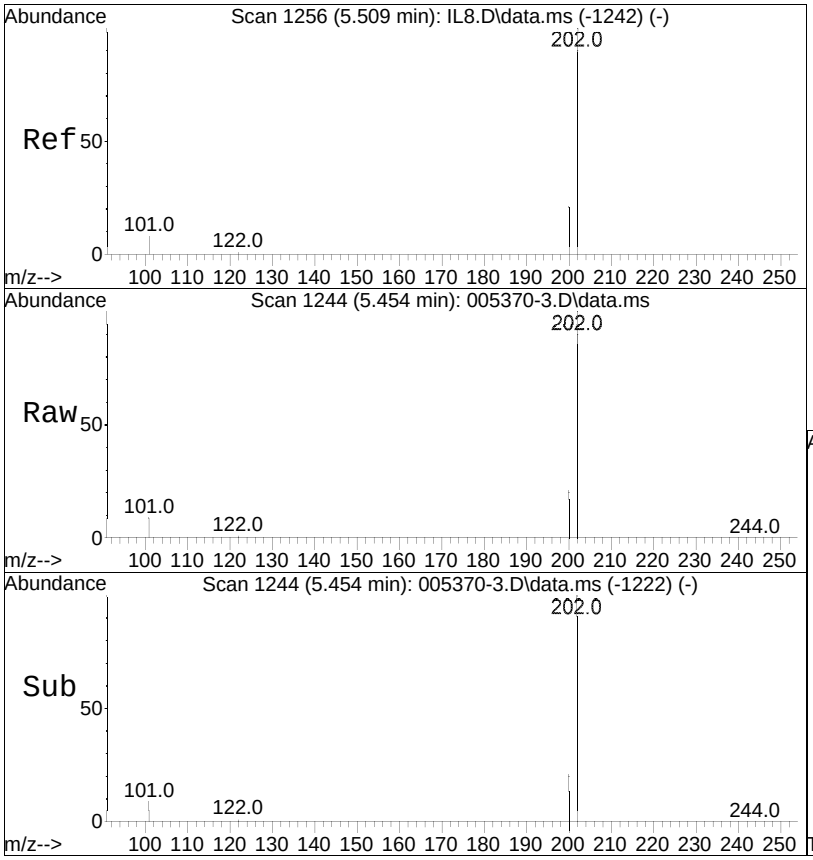


#27
Anthracene
Concen: 2263.20 ng/ml
RT: 4.805 min Scan# 1021
Delta R.T. -0.001 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:178 Resp: 1714929

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	18.8

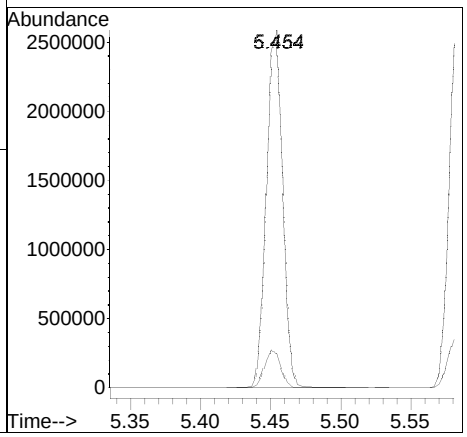


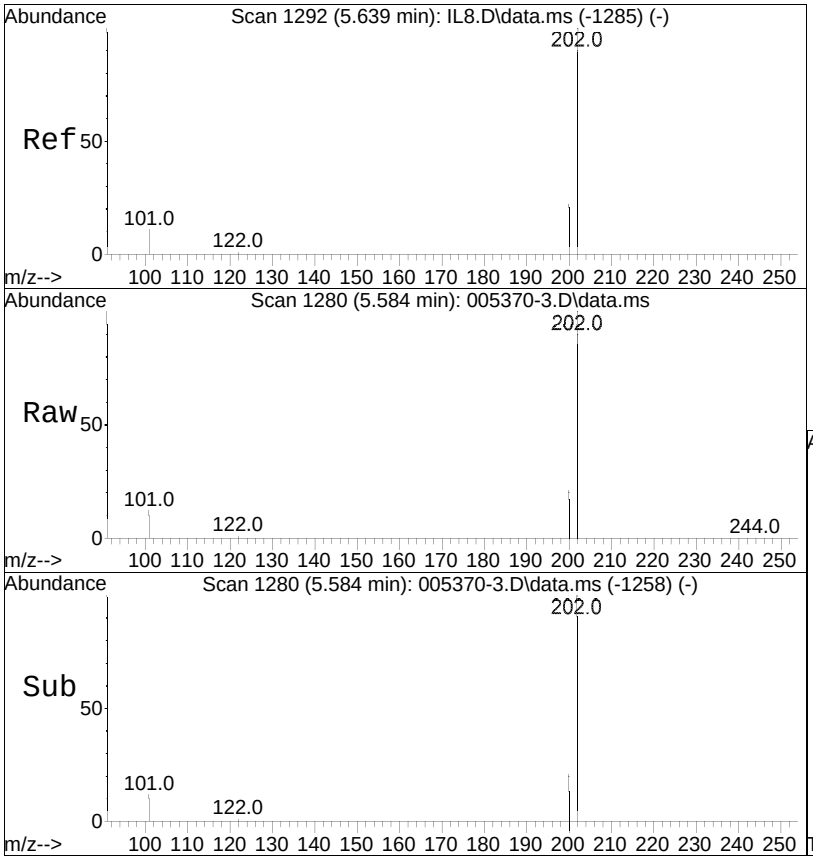


#28
Fluoranthene
Concen: 2322.12 ng/ml
RT: 5.454 min Scan# 1244
Delta R.T. -0.001 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:202 Resp: 2098776

Ion	Ratio	Lower	Upper
202	100		
101	10.6	7.7	11.5

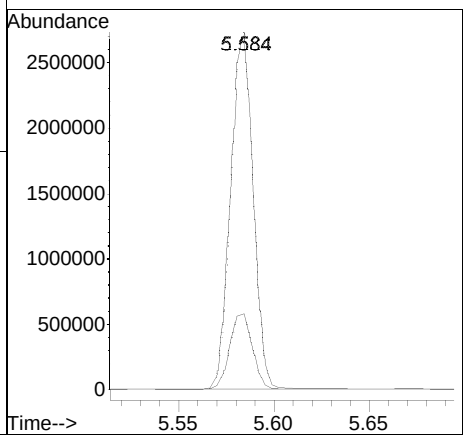


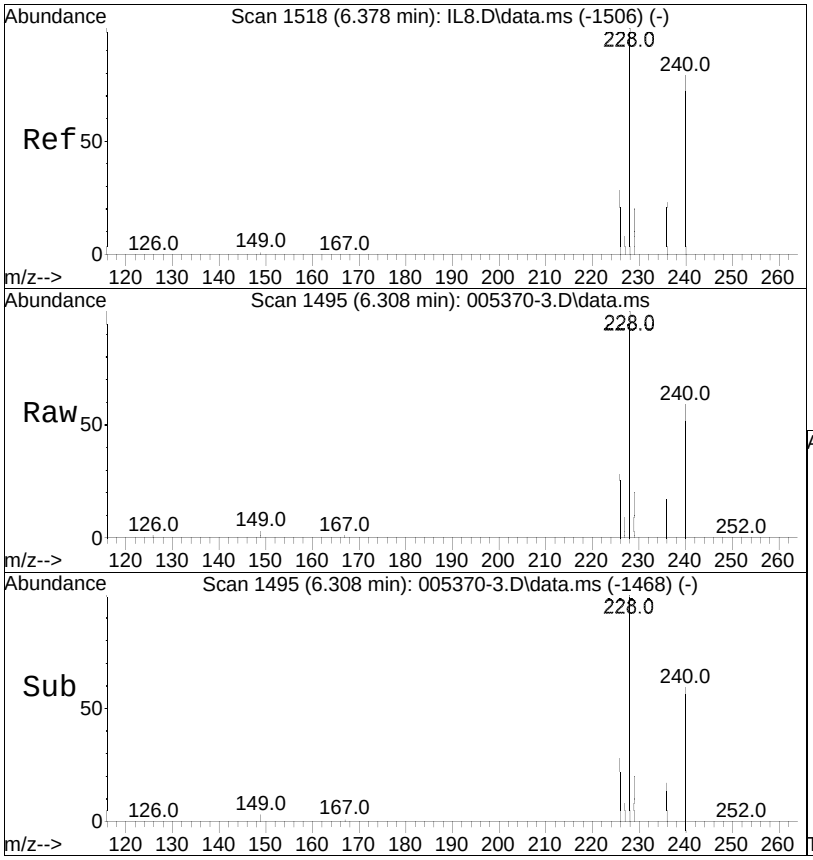


#29
Pyrene
Concen: 2319.89 ng/ml
RT: 5.584 min Scan# 1280
Delta R.T. -0.001 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:202 Resp: 2215815

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9

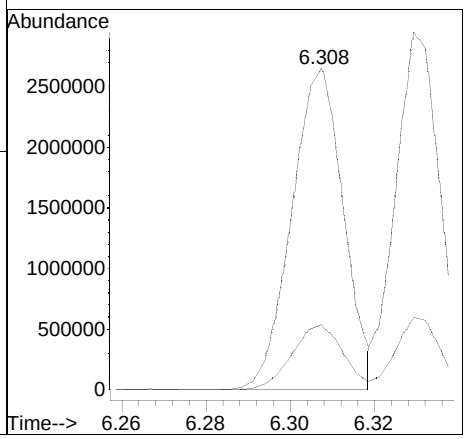


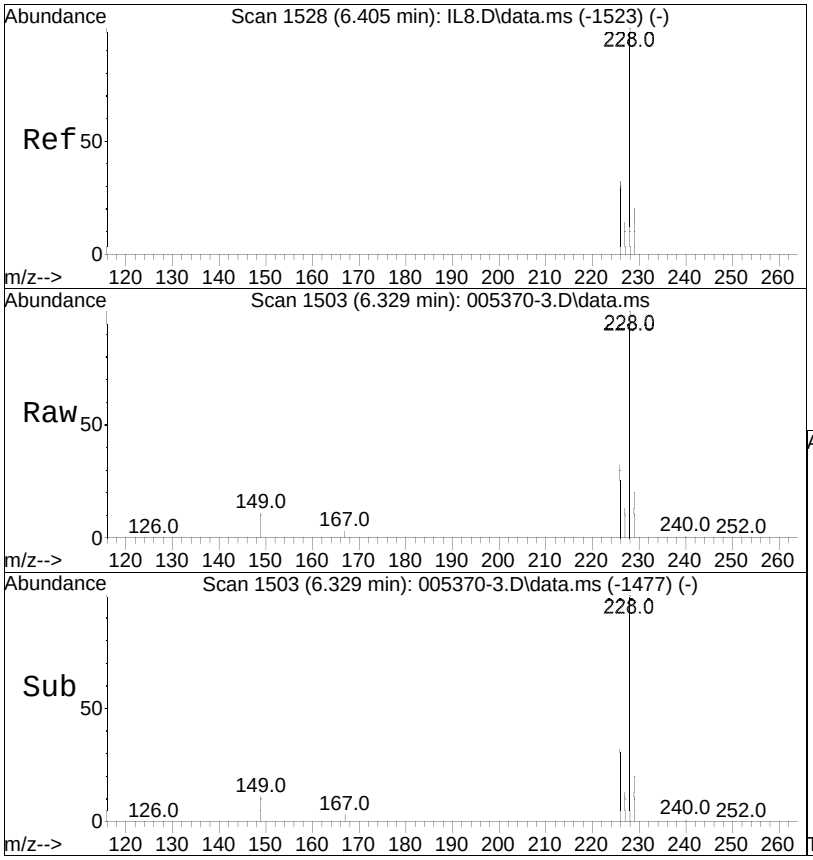


#32
Benzo[a]anthracene
Concen: 2613.86 ng/ml
RT: 6.308 min Scan# 1495
Delta R.T. -0.005 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:228 Resp: 2256238

Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.9	23.9

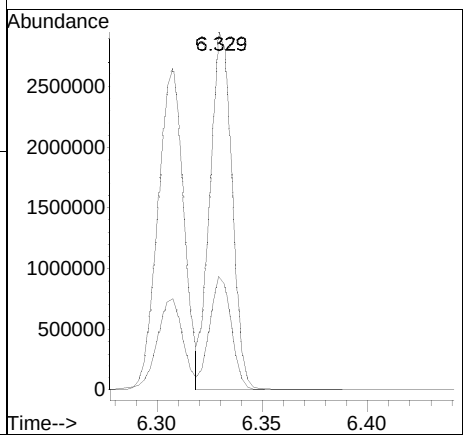


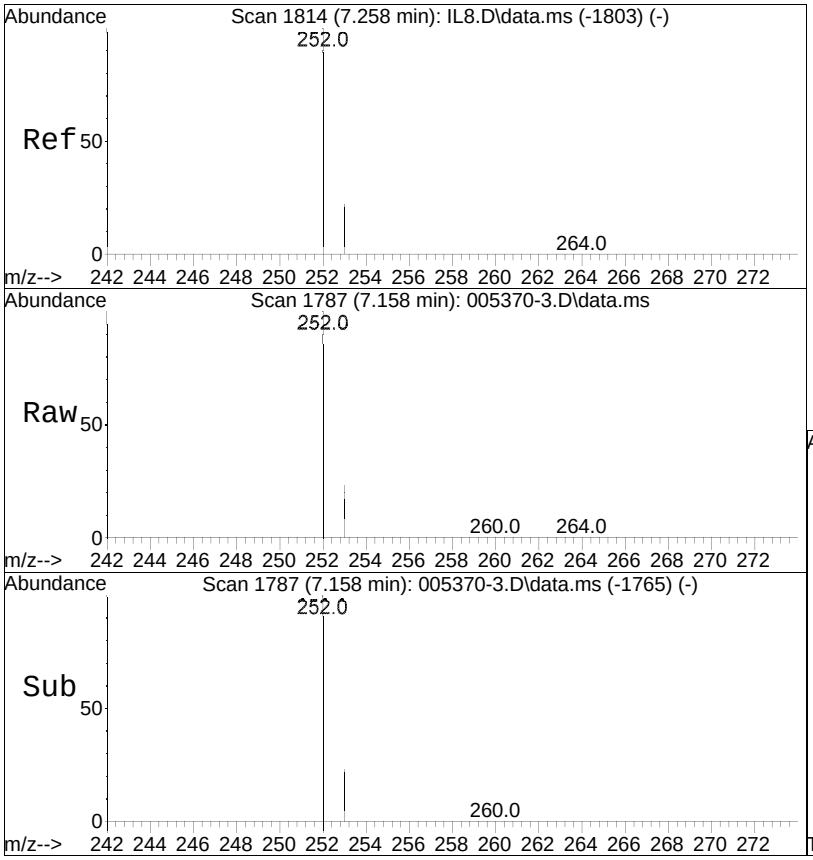


#34
Chrysene
Concen: 2645.31 ng/ml
RT: 6.329 min Scan# 1503
Delta R.T. -0.008 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:228 Resp: 2144295

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6

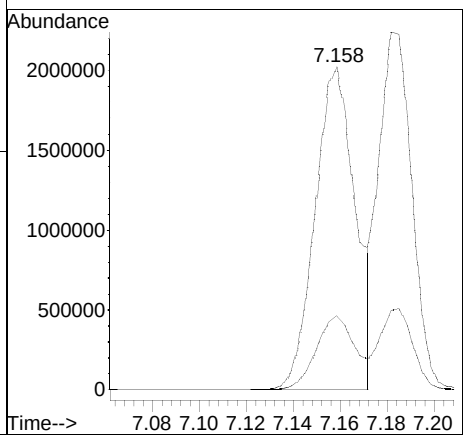


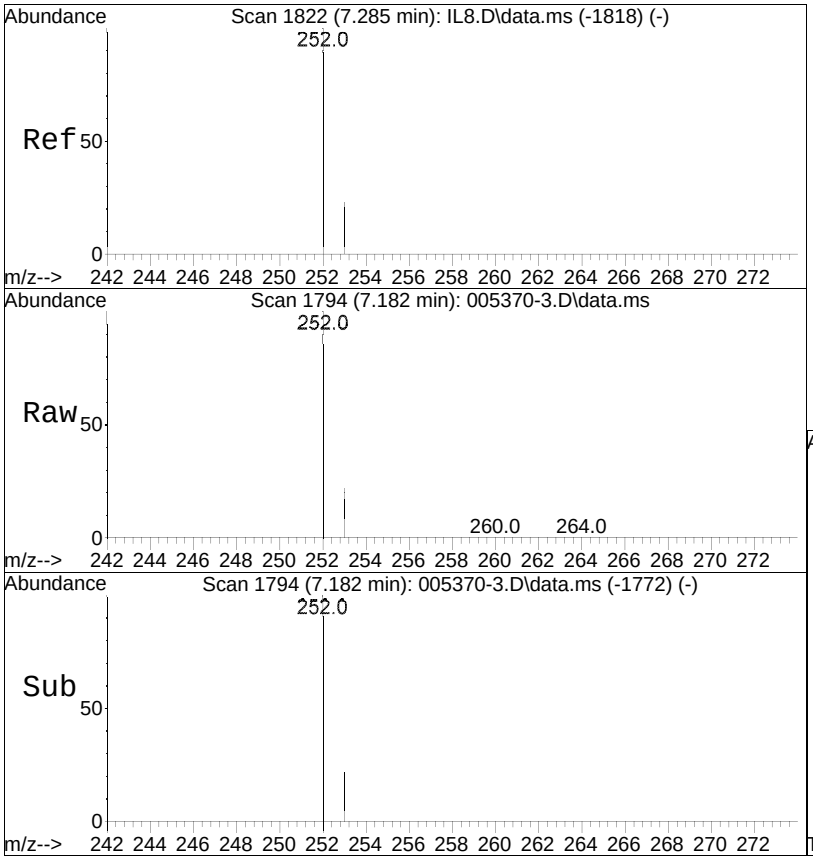


#37
Benzo[b]fluoranthene
Concen: 2654.59 ng/ml
RT: 7.158 min Scan# 1787
Delta R.T. -0.006 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:252 Resp: 2421710

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4

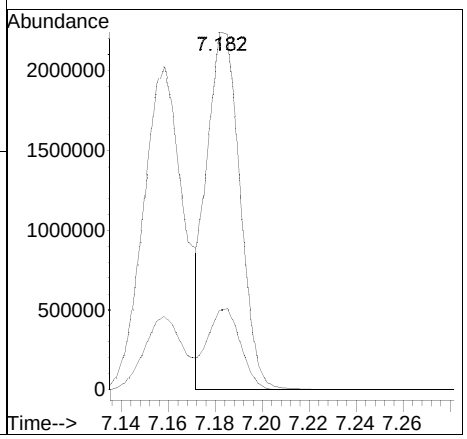


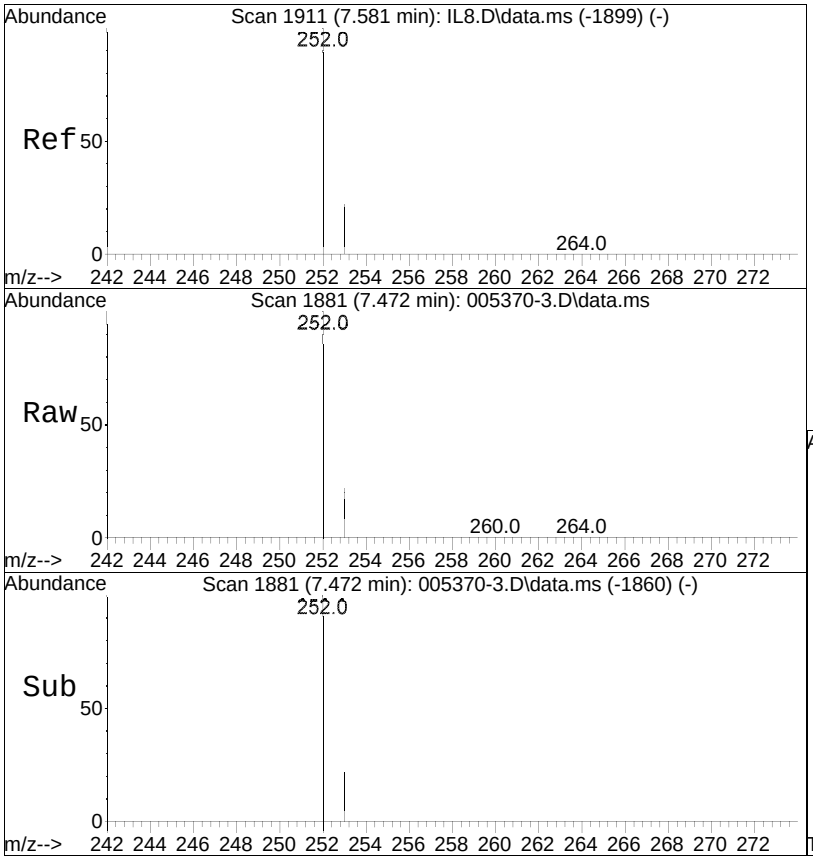


#38
Benzo[k]fluoranthene
Concen: 2600.18 ng/ml
RT: 7.182 min Scan# 1794
Delta R.T. -0.006 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:252 Resp: 2167813

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8

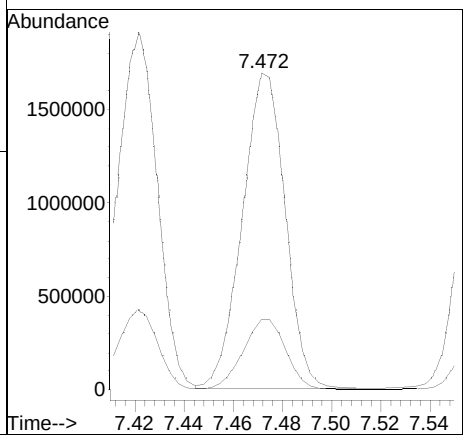


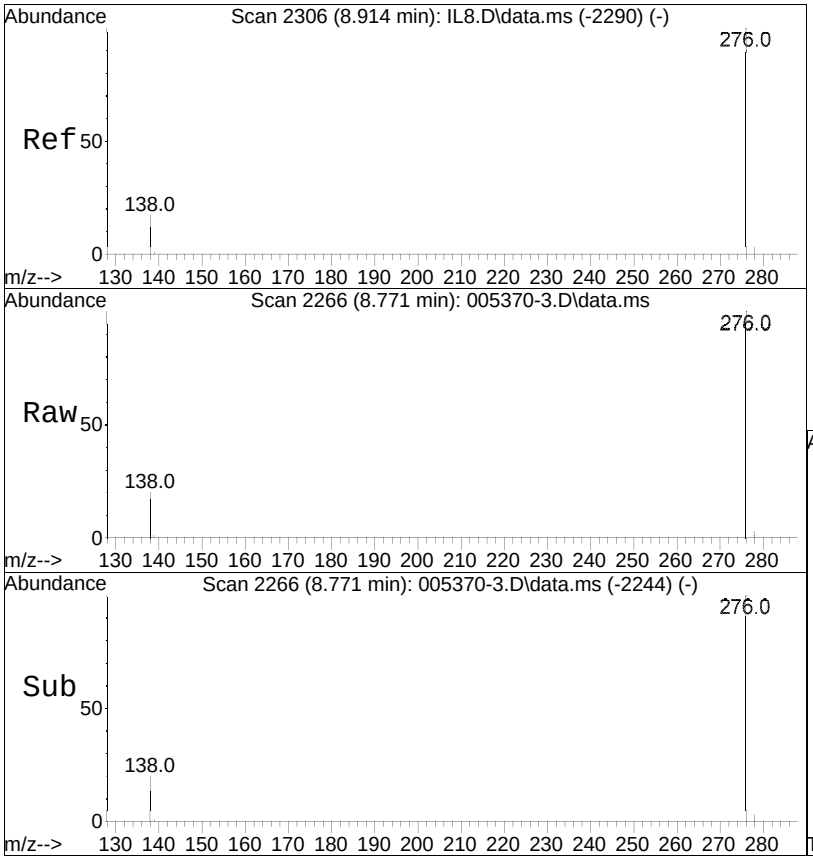


#39
Benzo[a]pyrene
Concen: 2686.15 ng/ml
RT: 7.472 min Scan# 1881
Delta R.T. -0.010 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:252 Resp: 2032386

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3

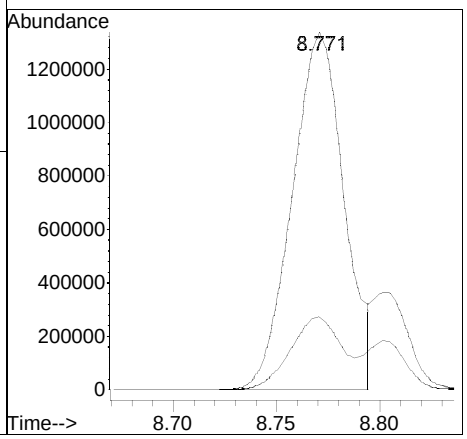


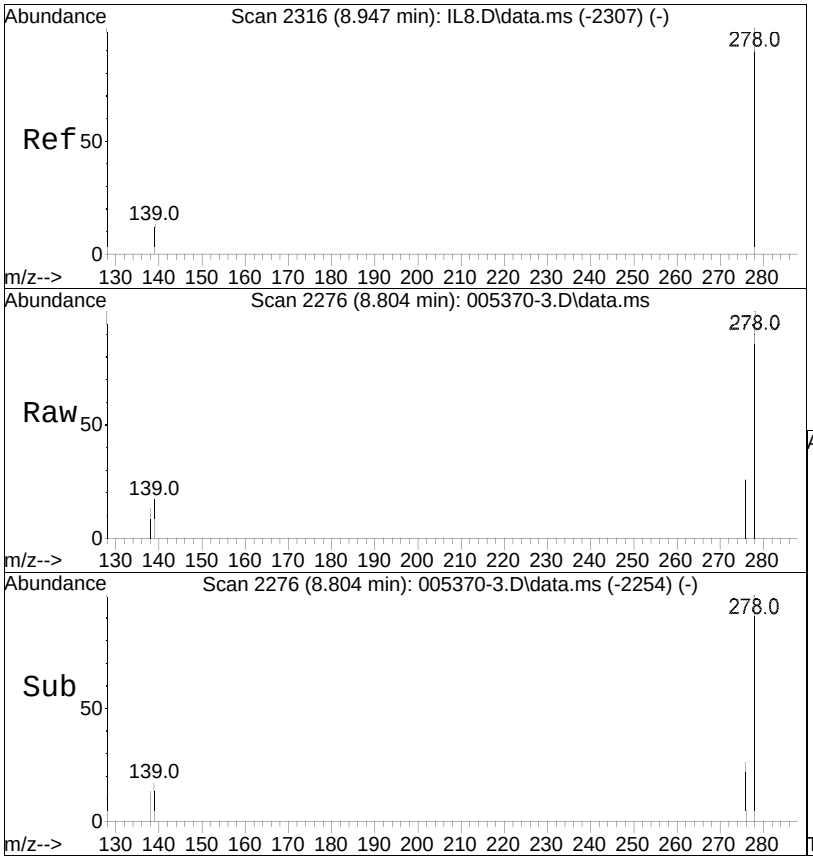


#40
Indeno[1,2,3-cd]pyrene
Concen: 2852.39 ng/ml
RT: 8.771 min Scan# 2266
Delta R.T. -0.006 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:276 Resp: 2317812

Ion	Ratio	Lower	Upper
276	100		
138	20.0	13.3	19.9#

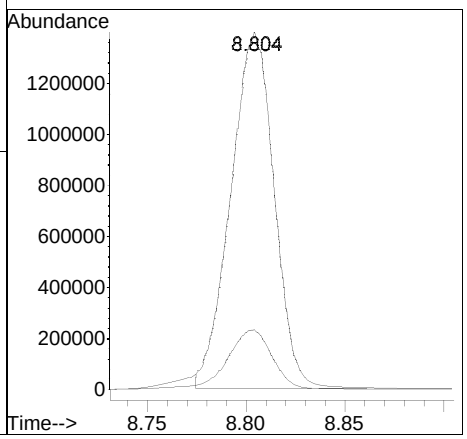


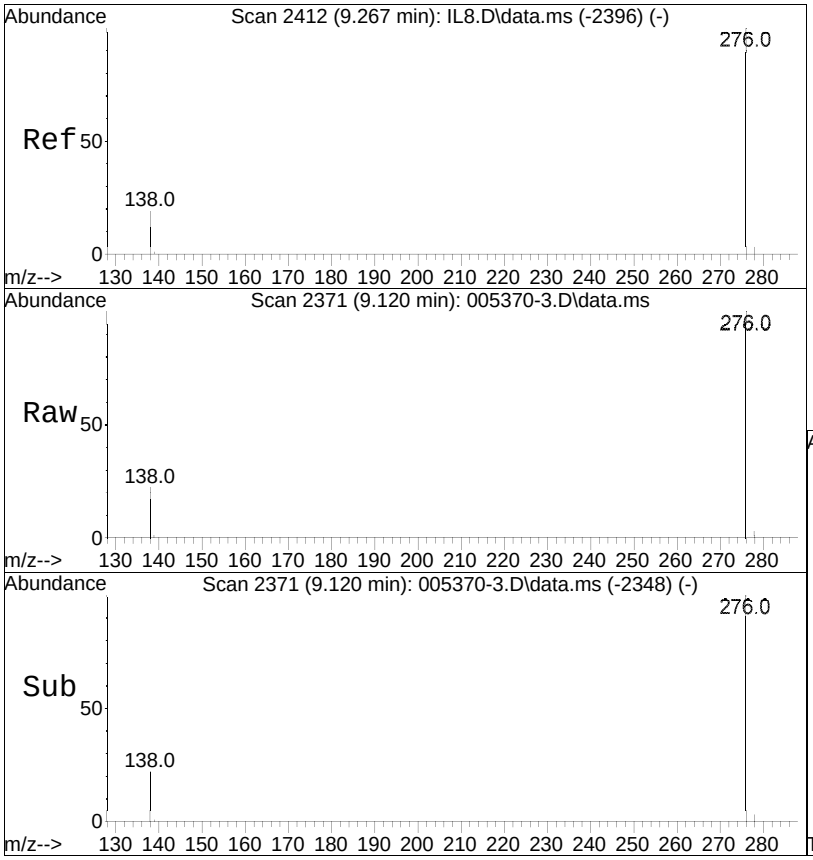


#41
Dibenzo[a,h]anthracene
Concen: 2835.16 ng/ml M6
RT: 8.804 min Scan# 2276
Delta R.T. -0.006 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:278 Resp: 2122034

Ion	Ratio	Lower	Upper
278	100		
139	17.5	11.1	16.7#

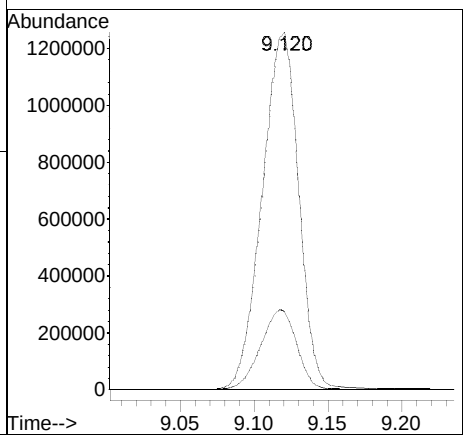




#42
Benzo[g,h,i]perylene
Concen: 2701.02 ng/ml
RT: 9.120 min Scan# 2371
Delta R.T. -0.003 min
Lab File: 005370-3.D
Acq: 05 Dec 2024 12:23 pm

Tgt Ion:276 Resp: 2132515

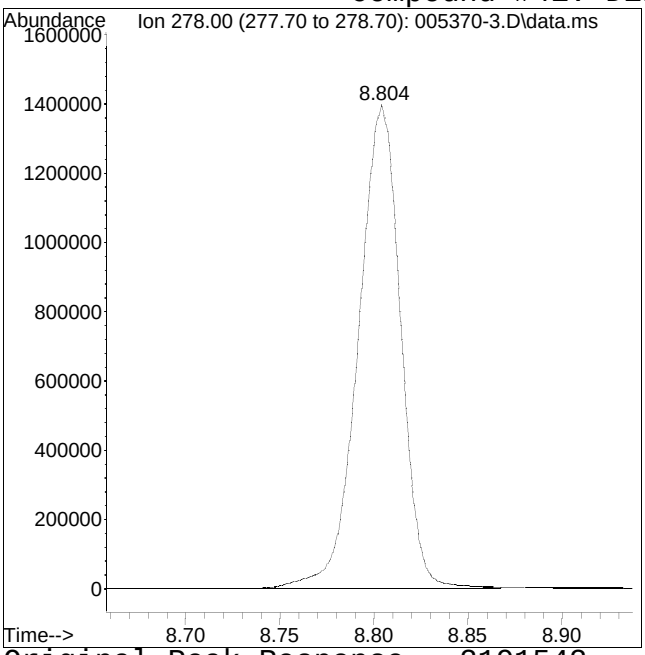
Ion	Ratio	Lower	Upper
276	100		
138	22.3	14.6	22.0#



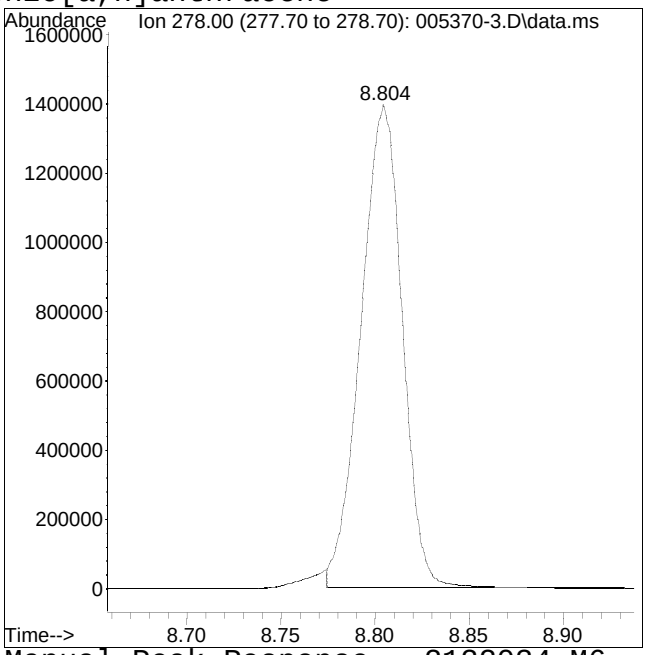
Manual Integration Report

Data Path : I:\8270SIM\SV125\241205RVTQMethod : SIM-RVT_241105n_sv125.M
Data File : 005370-3.D Operator : SV125:dv
Date Inj'd : 12/5/2024 12:23 pm Instrument : SV125
Sample : WG2005370-3,32,,kmh Quant Date : 12/5/2024 12:38 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2191542



Manual Peak Response = 2122034 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241207RVT\
Data File : 006013-3.D
Acq On : 07 Dec 2024 03:14 pm
Operator : SV120:kmh
Sample : WG2006013-3,32,,rp
Misc : WG2006437,WG2006013,ical21668
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 08 12:54:17 2024
Quant Method : I:\8270sim\sv120\241207RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 07 13:00:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241207RVT\ccv1207.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.265	152	173596	4000.000	ng/ml	0.00
Standard Area 1 = 211326			Recovery = 82.15%			
8) Naphthalene-d8	2.927	136	689774	4000.000	ng/ml	# 0.00
Standard Area 1 = 819581			Recovery = 84.16%			
17) Acenaphthene-d10	3.906	164	362739	4000.000	ng/ml	0.00
Standard Area 1 = 466122			Recovery = 77.82%			
22) Phenanthrene-d10	4.747	188	679491	4000.000	ng/ml	0.00
Standard Area 1 = 914482			Recovery = 74.30%			
31) Chrysene-d12	6.308	240	541117	4000.000	ng/ml	-0.02
Standard Area 1 = 767447			Recovery = 70.51%			
36) Perylene-d12	7.536	264	507544	4000.000	ng/ml	-0.03
Standard Area 1 = 730050			Recovery = 69.52%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.699	112	50855	995.253	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.76%			
3) Phenol-d6	2.082	99	49609	790.139	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 39.51%			
7) Nitrobenzene-d5	2.544	82	37969	685.024	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 68.50%			
13) 2-Fluorobiphenyl	3.524	172	92212	663.263	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 66.33%			
21) 2,4,6-Tribromophenol	4.352	330	31540	2184.216	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 109.21%			
30) 4-Terphenyl-d14	5.663	244	112334	909.192	ng/ml	-0.01
Spiked Amount 2000.000	Range 30 - 130		Recovery = 45.46%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.129	93	77234	1465.660	ng/ml	100
5) n-nitrosodi-n-propylamine	2.460	70	64330	1698.873	ng/ml	97
6) Hexachloroethane	2.519	117	24800	1091.233	ng/ml	99
9) Naphthalene	2.937	128	227965	1322.082	ng/ml	99
10) Hexachlorobutadiene	3.007	225	35942	1100.080	ng/ml	99
11) 2-Methylnaphthalene	3.318	142	168339	1406.231	ng/ml	99
12) 1-Methylnaphthalene	3.371	142	156564	1421.902	ng/ml	100
14) 2-Chloronaphthalene	3.588	162	176177	1482.546	ng/ml	92
15) 2,6-Dinitrotoluene	3.786	165	53155	1976.191	ng/ml	98
16) Acenaphthylene	3.822	152	282196	1647.070	ng/ml	100
18) Acenaphthene	3.922	153	198311	1811.219	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241207RVT\
Data File : 006013-3.D
Acq On : 07 Dec 2024 03:14 pm
Operator : SV120:kmh
Sample : WG2006013-3,32,,rp
Misc : WG2006437,WG2006013,ical21668
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 08 12:54:17 2024
Quant Method : I:\8270sim\sv120\241207RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 07 13:00:47 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\241207RVT\ccv1207.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.014	165	74530	2444.805	ng/ml	98
20) Fluorene	4.214	166	241023	2034.405	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.246	198	39517	1945.429	ng/ml	98
24) Hexachlorobenzene	4.533	284	81664	2275.270	ng/ml	99
25) Pentachlorophenol	4.647	266	46563	2243.392	ng/ml	100
26) Phenanthrene	4.761	178	373262	2305.157	ng/ml	100
27) Anthracene	4.789	178	370629	2212.307	ng/ml	100
28) Fluoranthene	5.441	202	437956	2348.277	ng/ml	98
29) Pyrene	5.573	202	448919	2334.318	ng/ml	100
32) Benzo[a]anthracene	6.300	228	392957	2377.391	ng/ml	98
33) 3,3'-Dichlorobenzidine	6.286	252	143786	2458.209	ng/ml	99
34) Chrysene	6.325	228	362673	2531.679	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.323	149	302376	3157.812	ng/ml	99
37) Benzo[b]fluoranthene	7.155	252	368901	2395.379	ng/ml	100
38) Benzo[k]fluoranthene	7.178	252	341622	2467.513	ng/ml	100
39) Benzo[a]pyrene	7.470	252	308595	2446.385	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.775	276	321563	2493.004	ng/ml	96
41) Dibenzo[a,h]anthracene	8.808	278	281738M6	2325.045	ng/ml	
42) Benzo[g,h,i]perylene	9.122	276	290556	2319.356	ng/ml	94

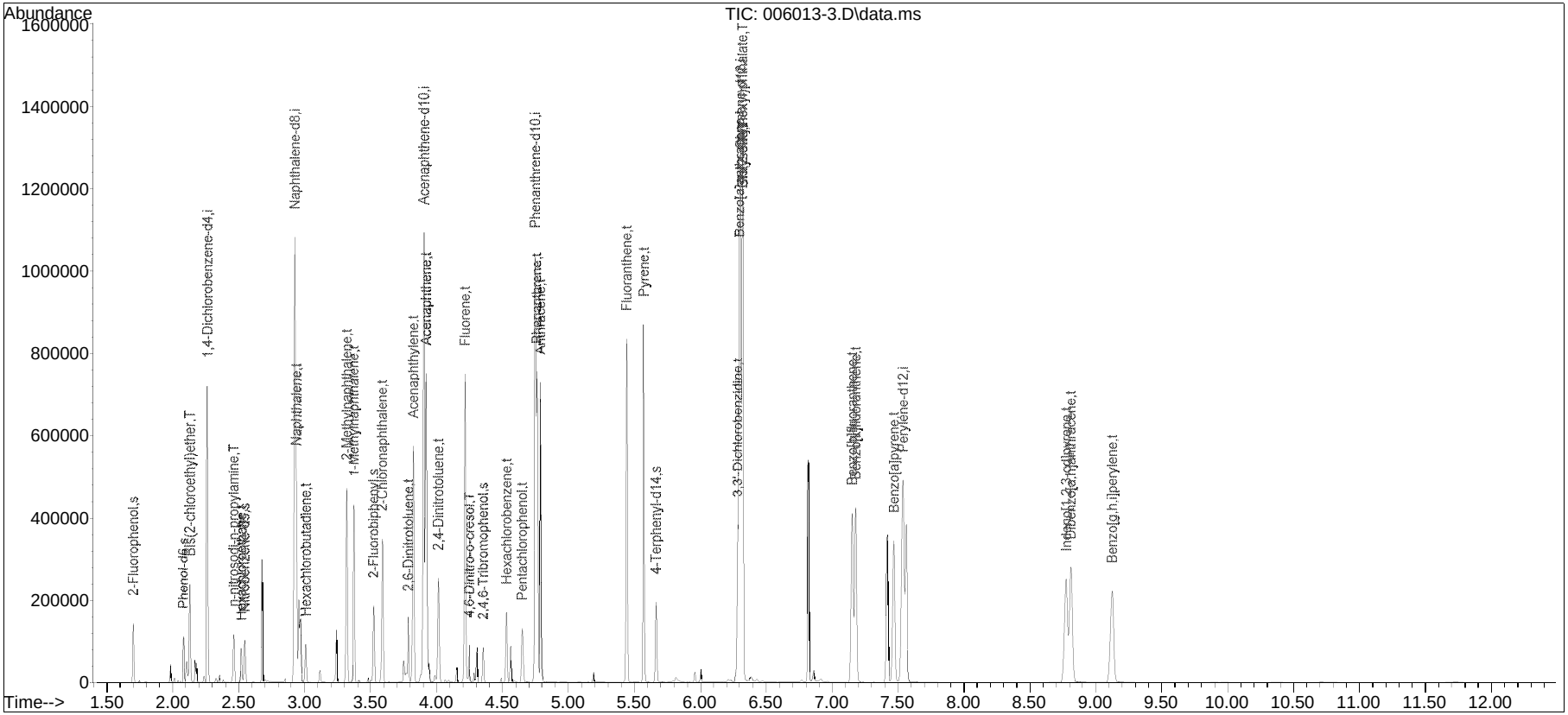
(#) = qualifier out of range (m) = manual integration (+) = signals summed

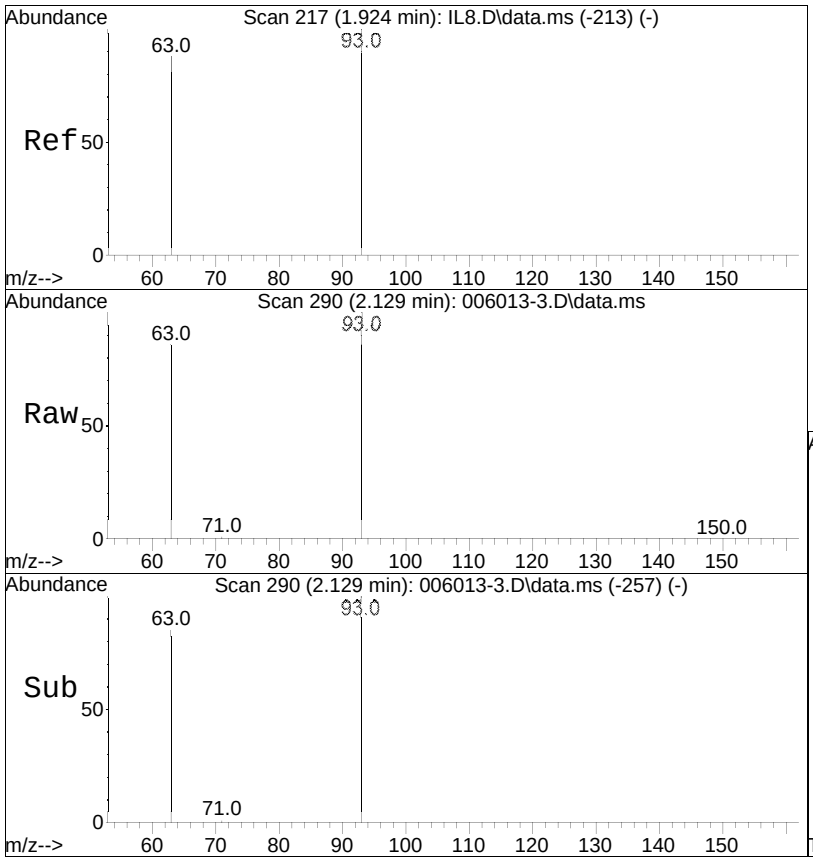
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\241207RVT\
Data File : 006013-3.D
Acq On : 07 Dec 2024 03:14 pm
Operator : SV120:kmh
Sample : WG2006013-3,32,,rp
Misc : WG2006437,WG2006013,ical21668
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 08 12:54:17 2024
Quant Method : I:\8270sim\sv120\241207RVT\SIM-RVT_241105_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Dec 07 13:00:47 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1207.D•

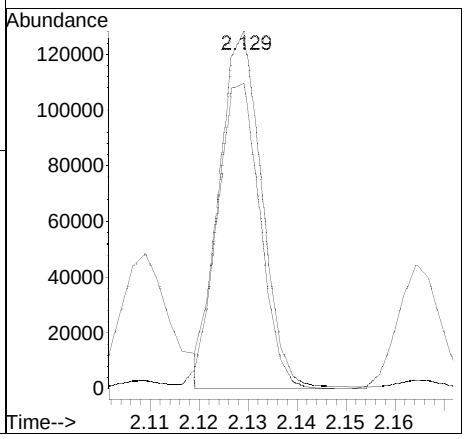


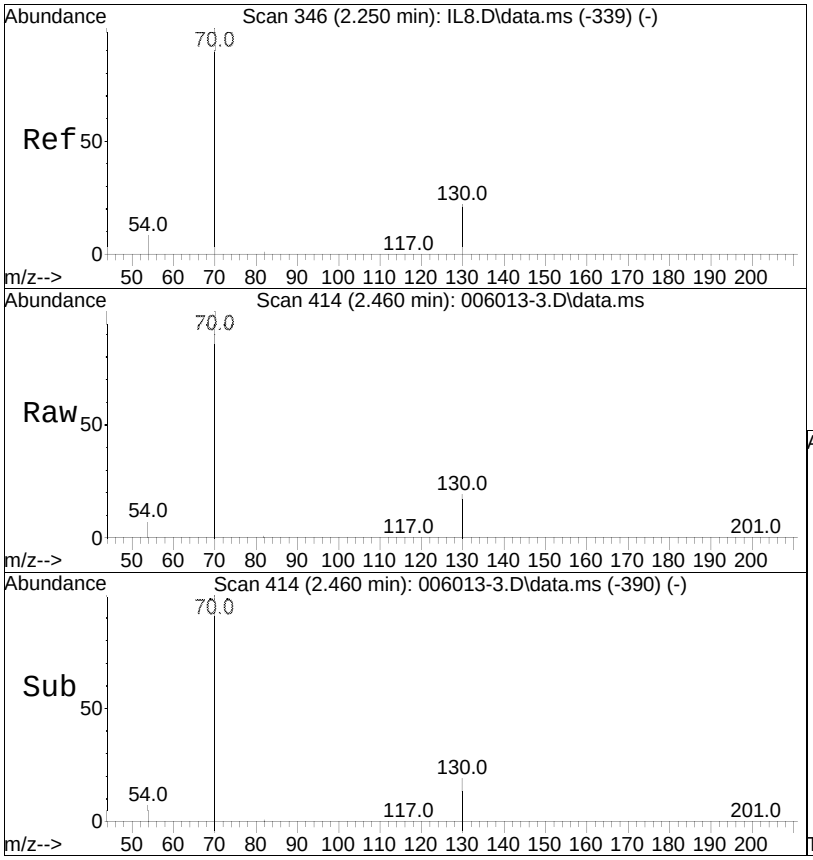


#4
Bis(2-chloroethyl)ether
Concen: 1465.66 ng/ml
RT: 2.129 min Scan# 290
Delta R.T. 0.003 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion: 93 Resp: 77234

Ion	Ratio	Lower	Upper
93	100		
63	86.3	68.7	103.1

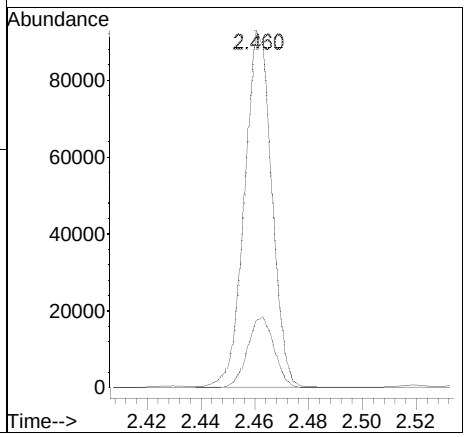


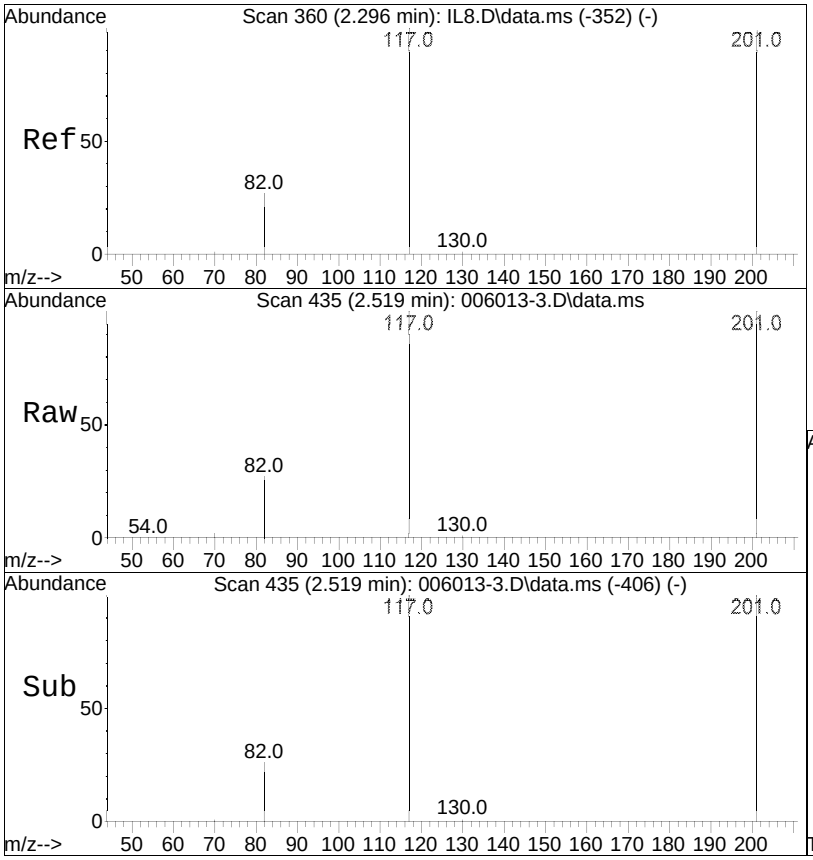


#5
n-nitrosodi-n-propylamine
Concen: 1698.87 ng/ml
RT: 2.460 min Scan# 414
Delta R.T. 0.000 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion: 70 Resp: 64330

Ion	Ratio	Lower	Upper
70	100		
130	19.4	16.6	24.8

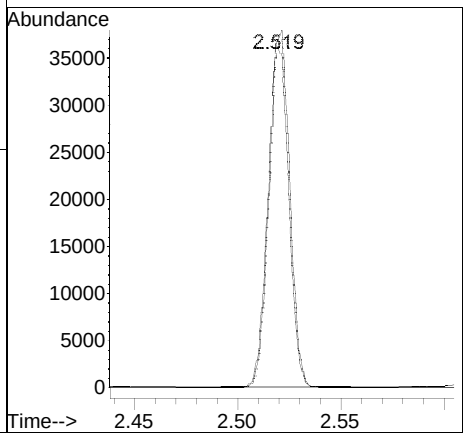


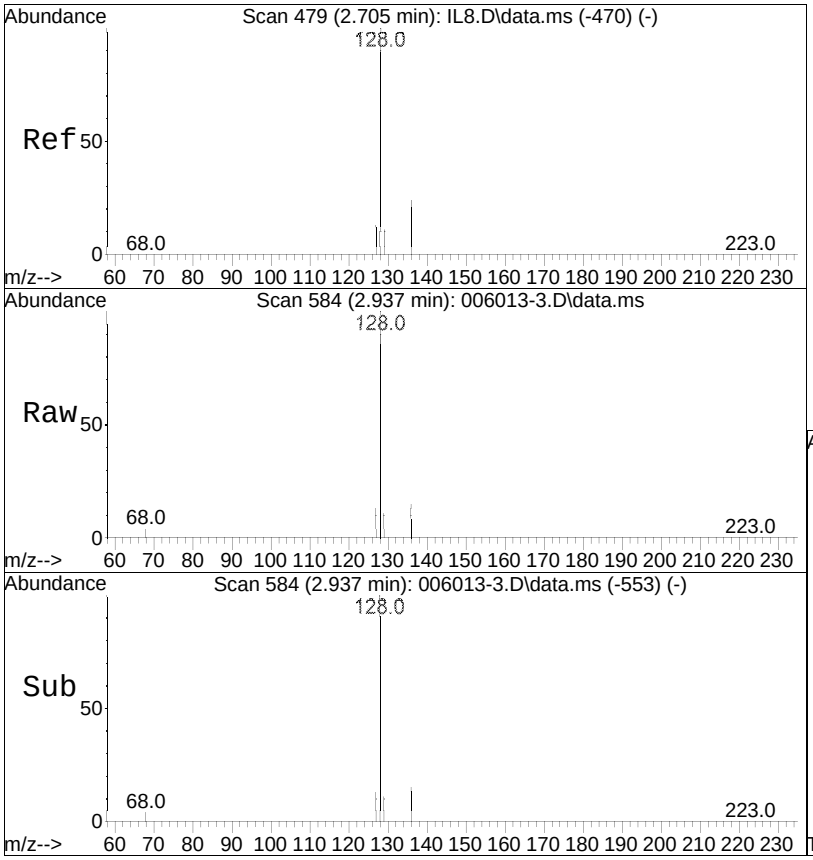


#6
Hexachloroethane
Concen: 1091.23 ng/ml
RT: 2.519 min Scan# 435
Delta R.T. 0.000 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:117 Resp: 24800

Ion	Ratio	Lower	Upper
117	100		
201	103.5	82.0	123.0

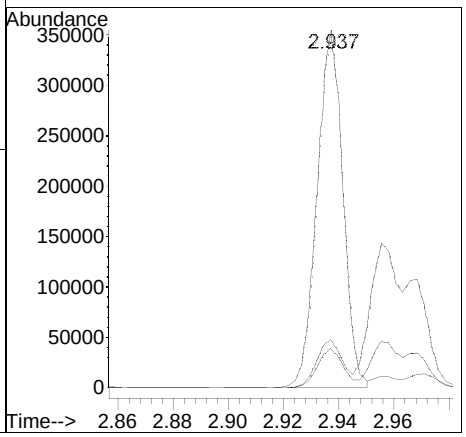


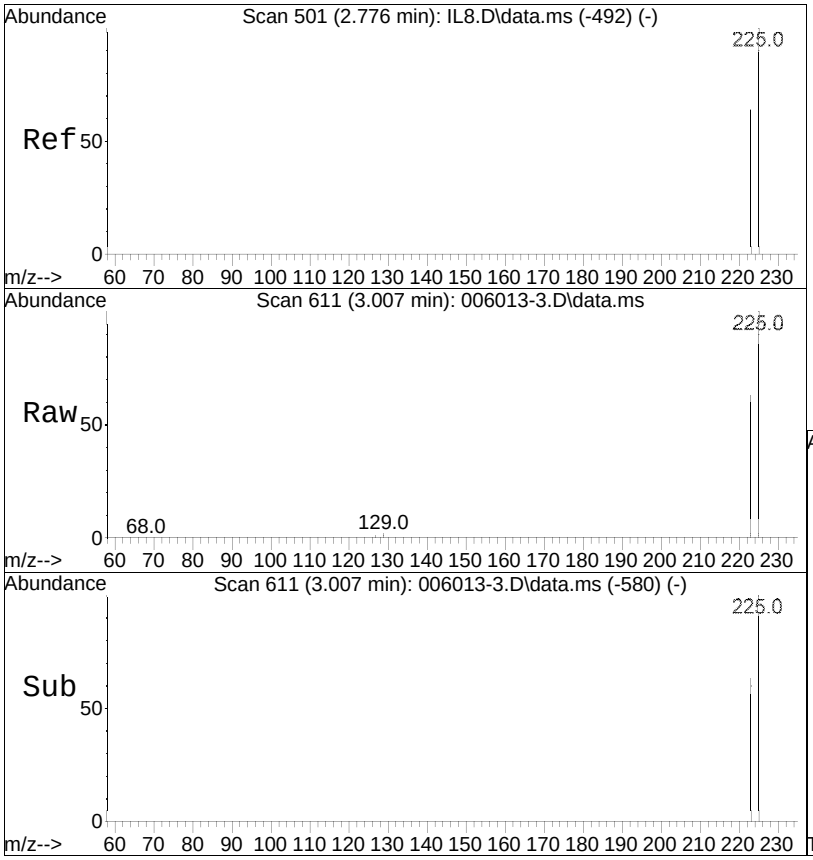


#9
Naphthalene
Concen: 1322.08 ng/ml
RT: 2.937 min Scan# 584
Delta R.T. 0.000 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:128 Resp: 227965

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.9	13.3
127	13.8	10.7	16.1

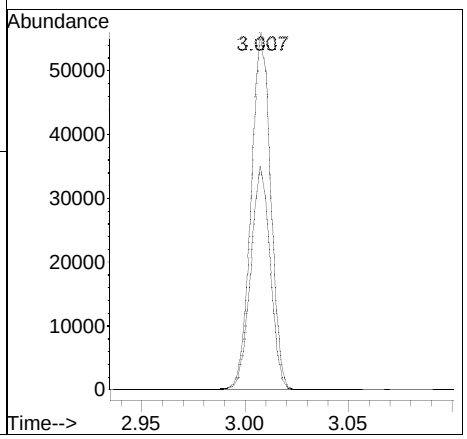


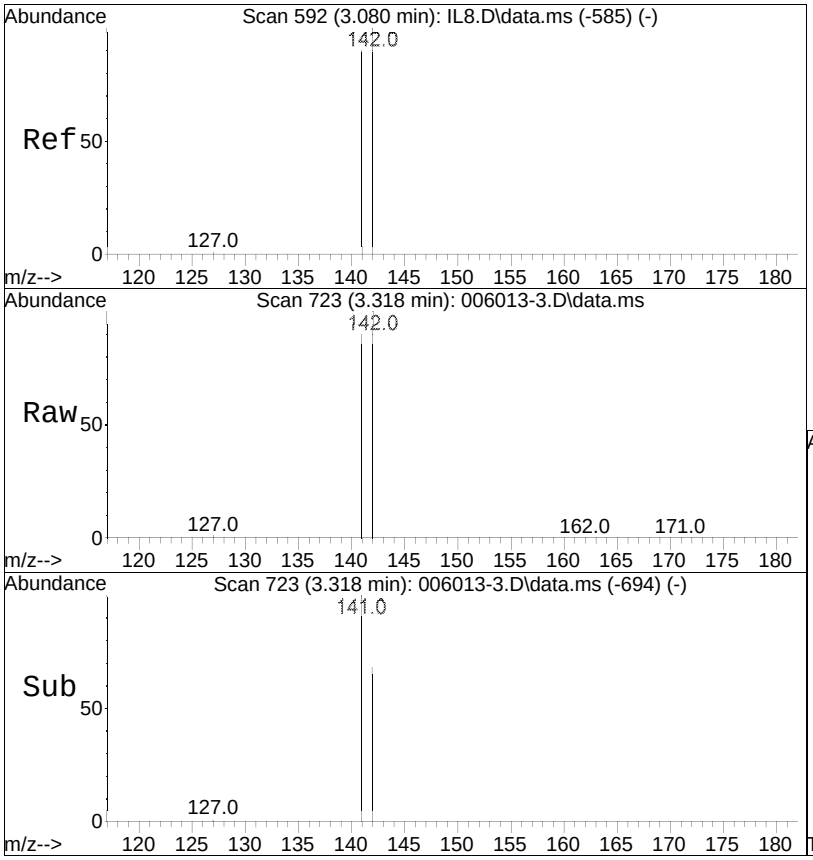


#10
Hexachlorobutadiene
Concen: 1100.08 ng/ml
RT: 3.007 min Scan# 611
Delta R.T. 0.000 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:225 Resp: 35942

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.5	75.7

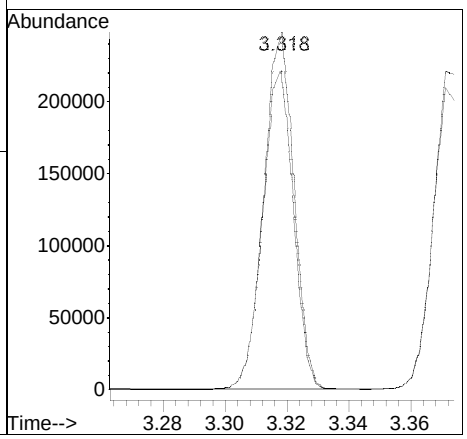


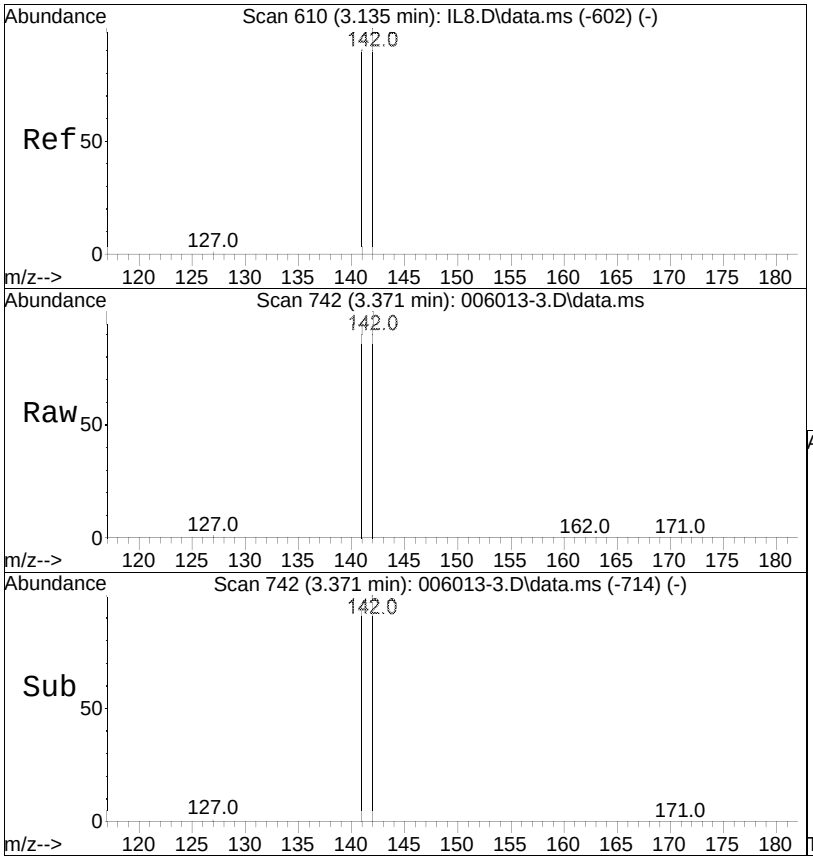


#11
2-Methylnaphthalene
Concen: 1406.23 ng/ml
RT: 3.318 min Scan# 723
Delta R.T. 0.000 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:142 Resp: 168339

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.2	108.2

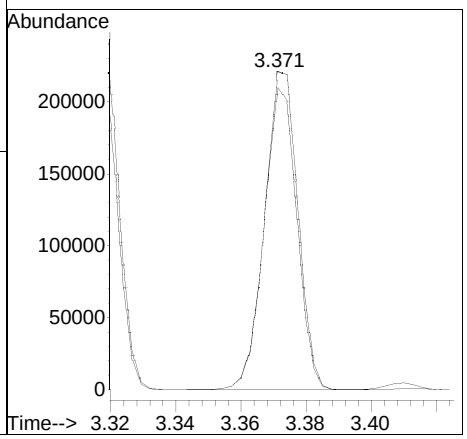


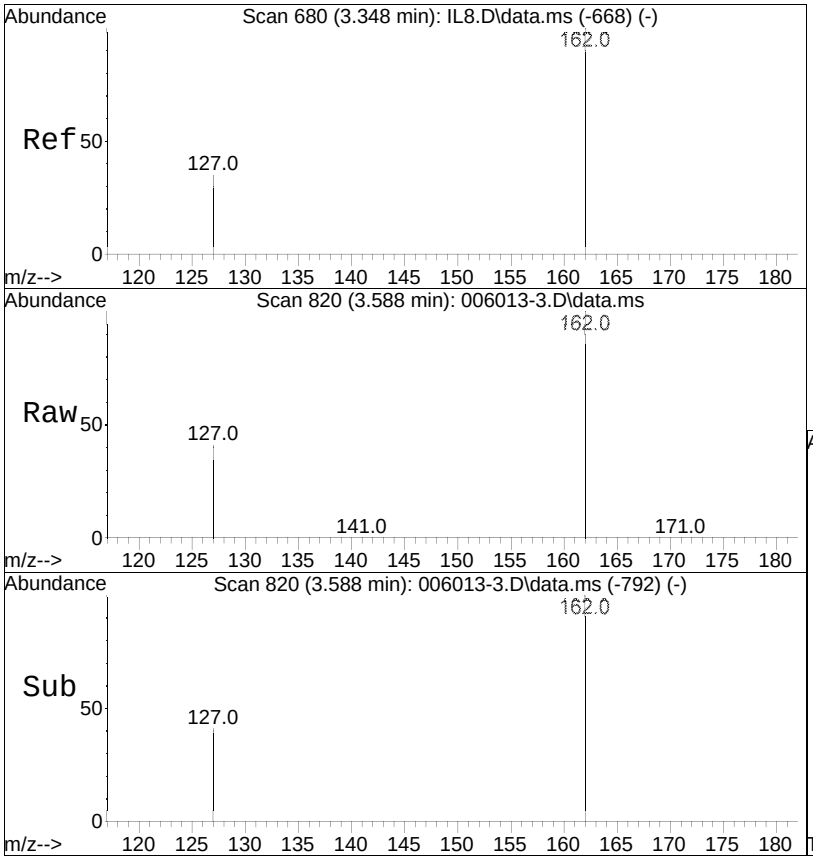


#12
1-Methylnaphthalene
Concen: 1421.90 ng/ml
RT: 3.371 min Scan# 742
Delta R.T. -0.002 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:142 Resp: 156564

Ion	Ratio	Lower	Upper
142	100		
141	93.7	74.6	112.0

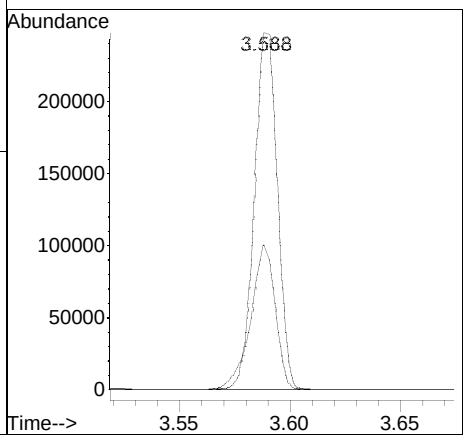


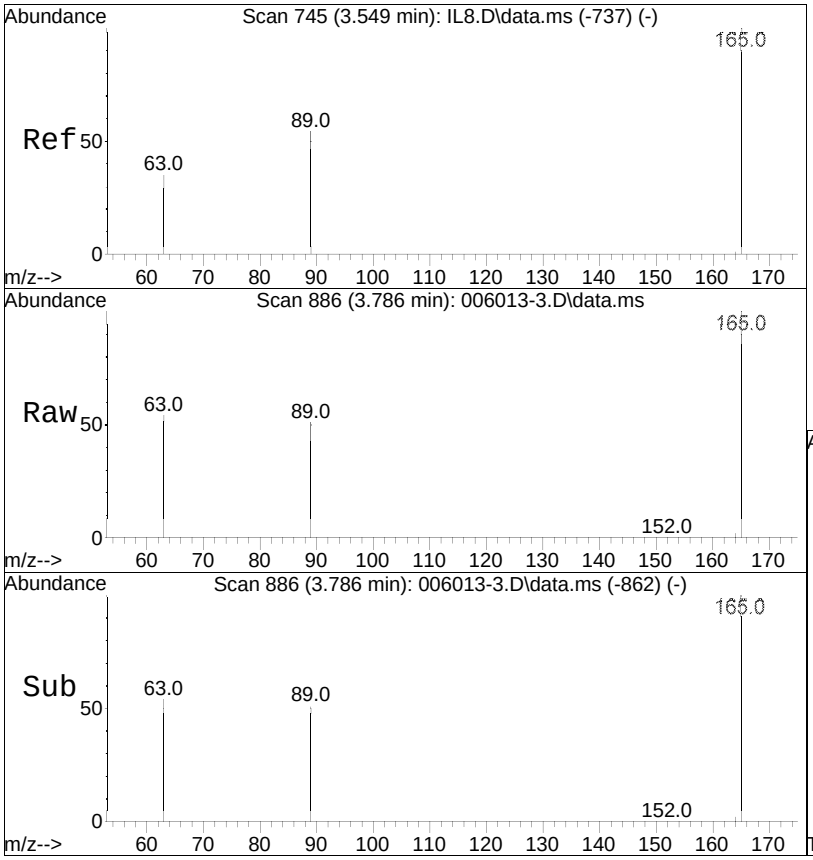


#14
2-Chloronaphthalene
Concen: 1482.55 ng/ml
RT: 3.588 min Scan# 820
Delta R.T. -0.002 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:162 Resp: 176177

Ion	Ratio	Lower	Upper
162	100		
127	43.4	31.0	46.4

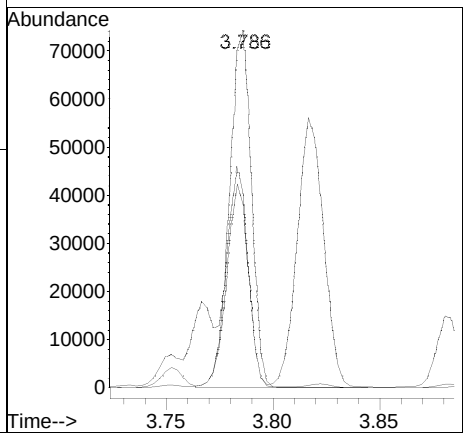


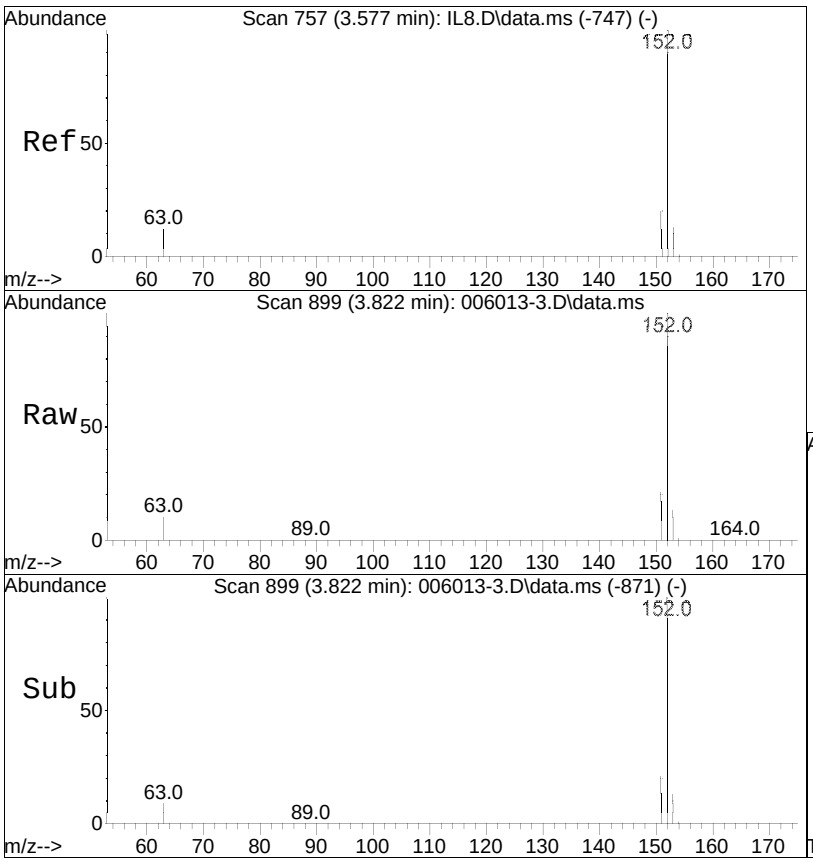


#15
2,6-Dinitrotoluene
Concen: 1976.19 ng/ml
RT: 3.786 min Scan# 886
Delta R.T. 0.000 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:165 Resp: 53155

Ion	Ratio	Lower	Upper
165	100		
89	56.6	45.8	68.8
63	60.8	46.3	69.5

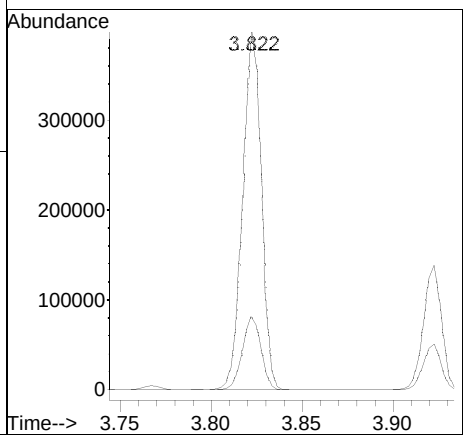


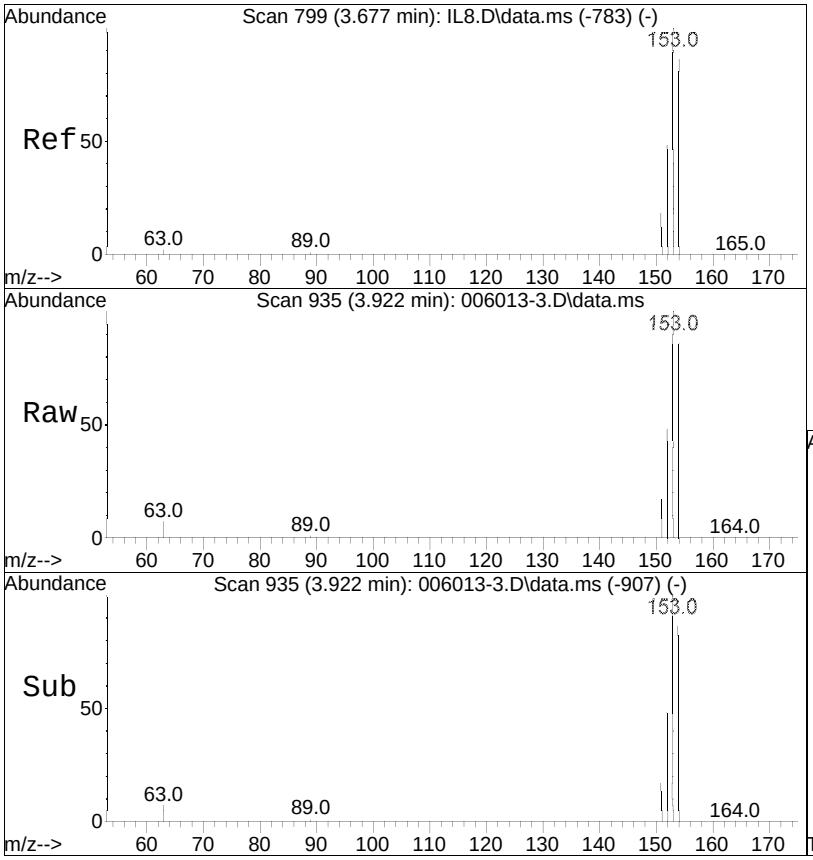


#16
Acenaphthylene
Concen: 1647.07 ng/ml
RT: 3.822 min Scan# 899
Delta R.T. -0.002 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:152 Resp: 282196

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6

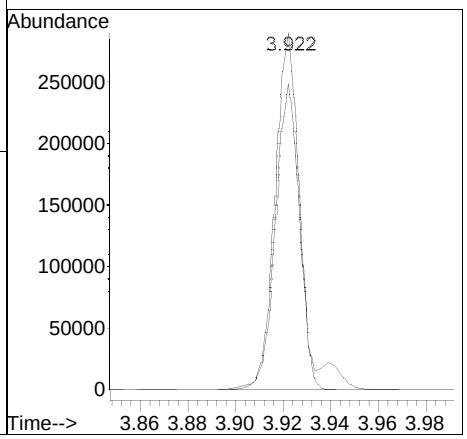


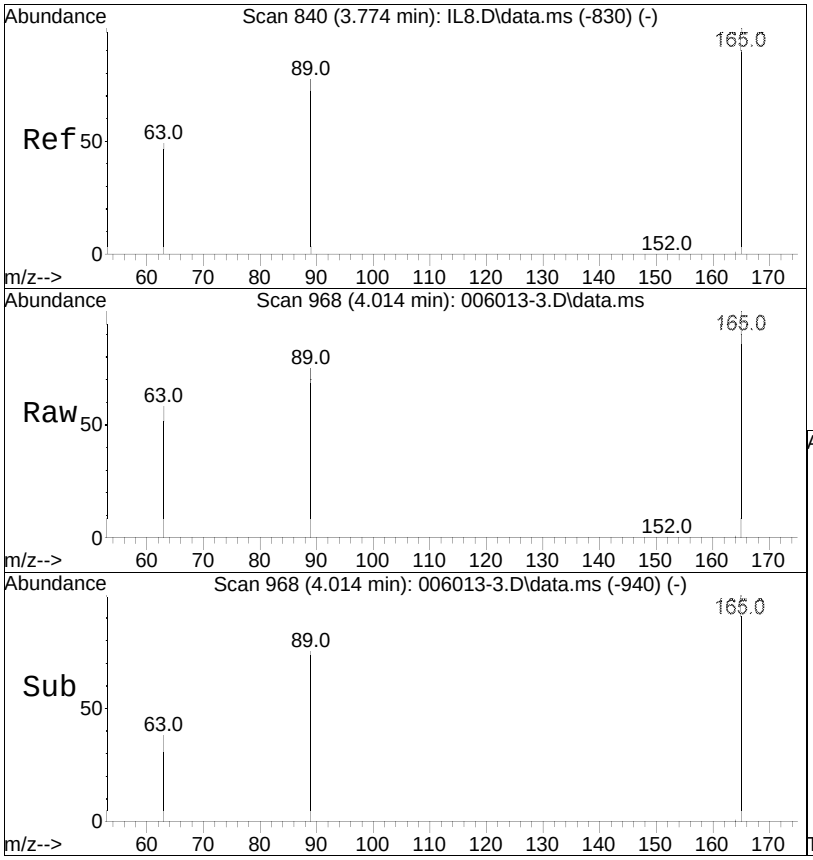


#18
Acenaphthene
Concen: 1811.22 ng/ml
RT: 3.922 min Scan# 935
Delta R.T. -0.002 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:153 Resp: 198311

Ion	Ratio	Lower	Upper
153	100		
154	88.7	69.8	104.6

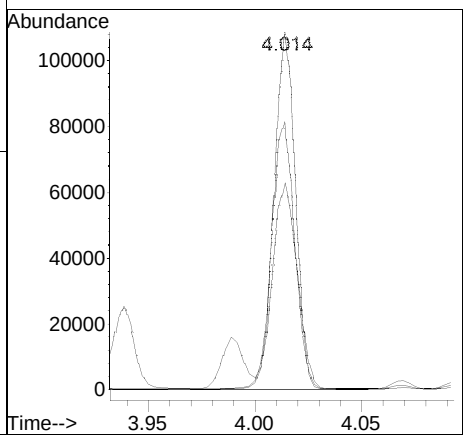


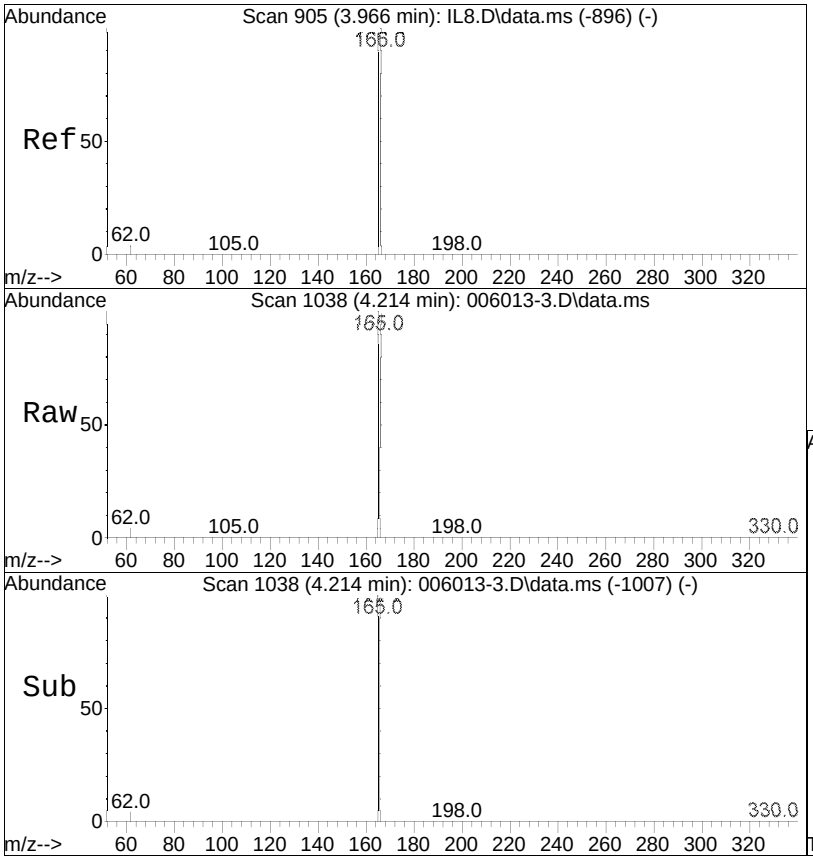


#19
2,4-Dinitrotoluene
Concen: 2444.81 ng/ml
RT: 4.014 min Scan# 968
Delta R.T. -0.002 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:165 Resp: 74530

Ion	Ratio	Lower	Upper
165	100		
89	81.4	65.9	98.9
63	66.9	55.7	83.5

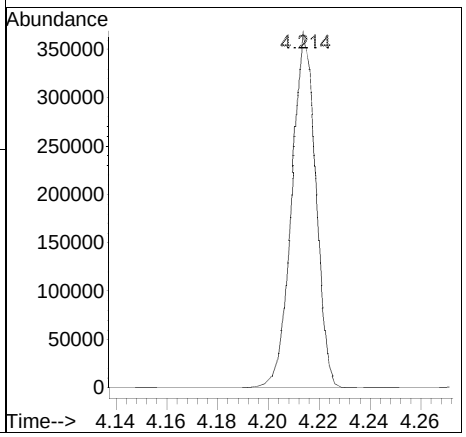


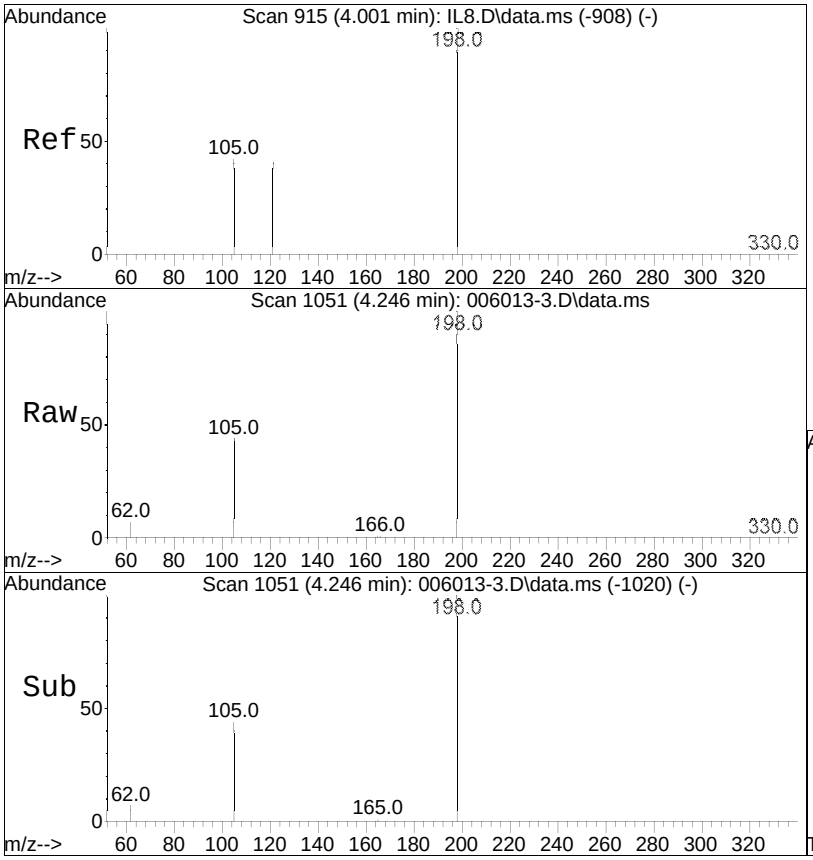


#20
Fluorene
Concen: 2034.41 ng/ml
RT: 4.214 min Scan# 1038
Delta R.T. -0.003 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:166 Resp: 241023

Ion	Ratio	Lower	Upper
166	100		
165	100.9	80.1	120.1

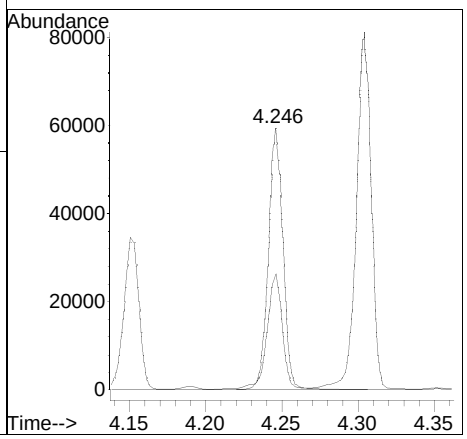


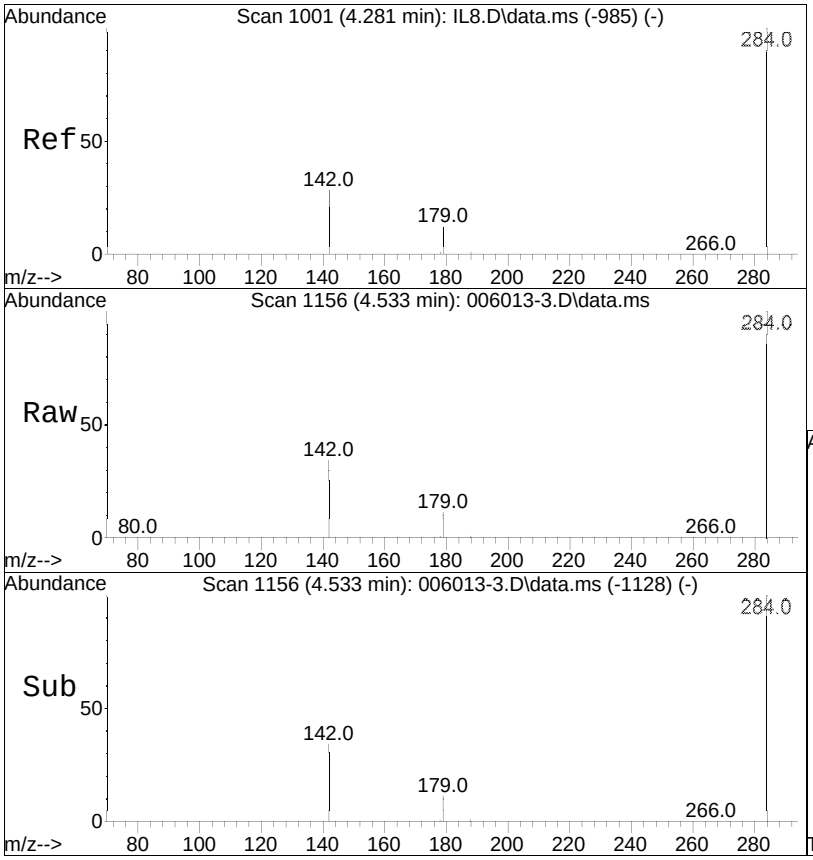


#23
4,6-Dinitro-o-cresol
Concen: 1945.43 ng/ml
RT: 4.246 min Scan# 1051
Delta R.T. -0.003 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:198 Resp: 39517

Ion	Ratio	Lower	Upper
198	100		
105	45.9	35.4	53.2

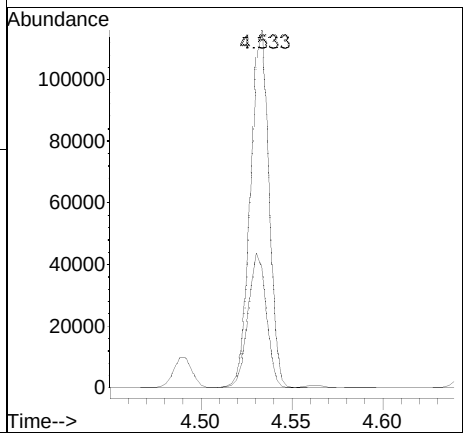


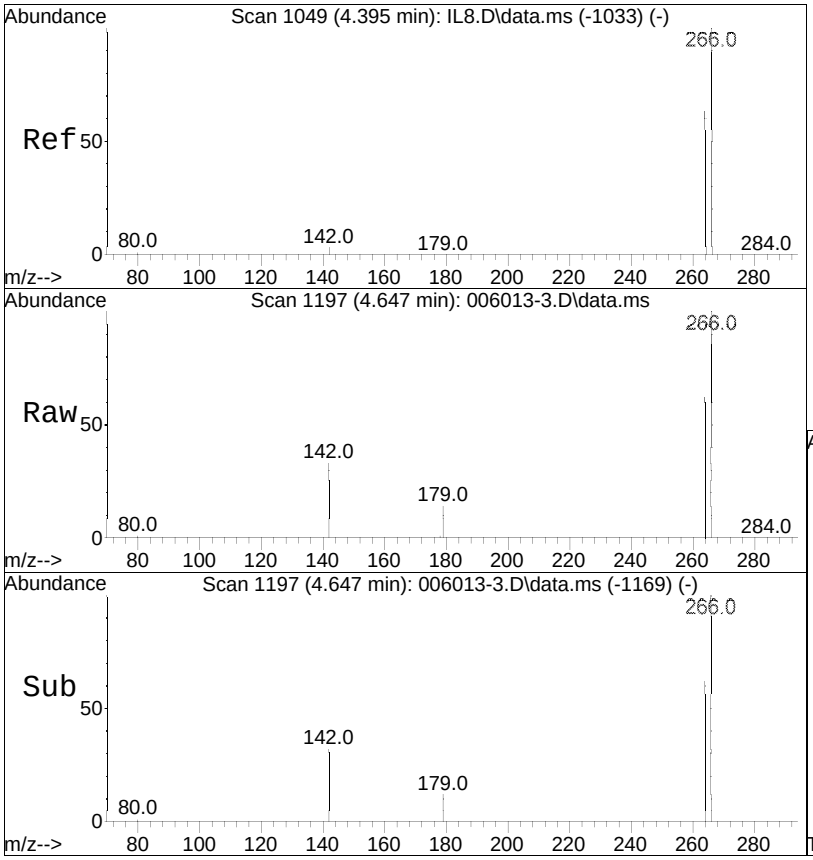


#24
Hexachlorobenzene
Concen: 2275.27 ng/ml
RT: 4.533 min Scan# 1156
Delta R.T. -0.002 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:284 Resp: 81664

Ion	Ratio	Lower	Upper
284	100		
142	37.1	30.2	45.2

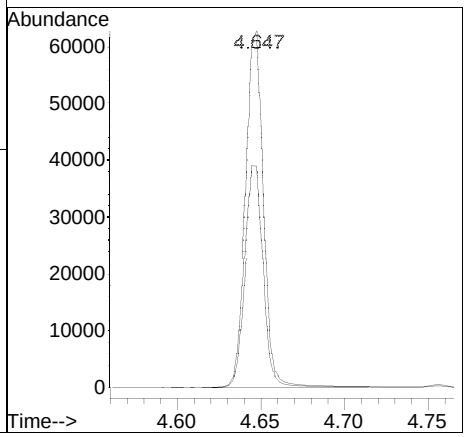


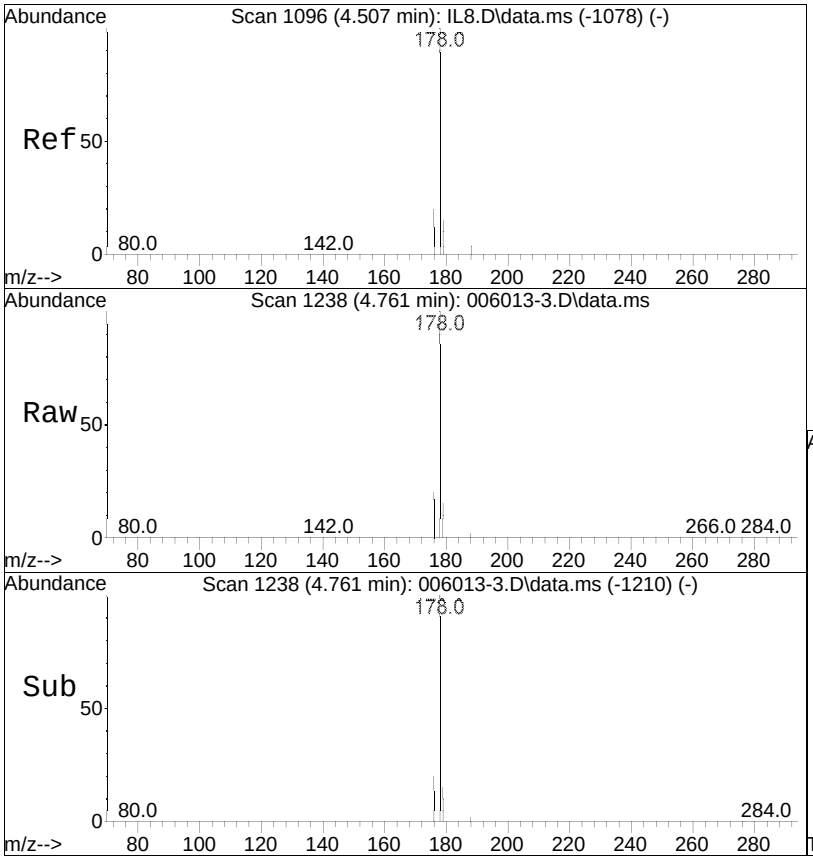


#25
Pentachlorophenol
Concen: 2243.39 ng/ml
RT: 4.647 min Scan# 1197
Delta R.T. -0.002 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:266 Resp: 46563

Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.3	75.5

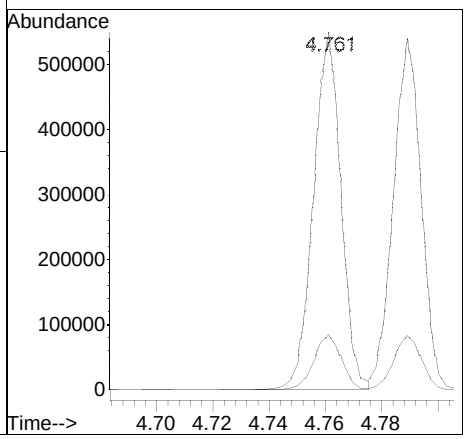


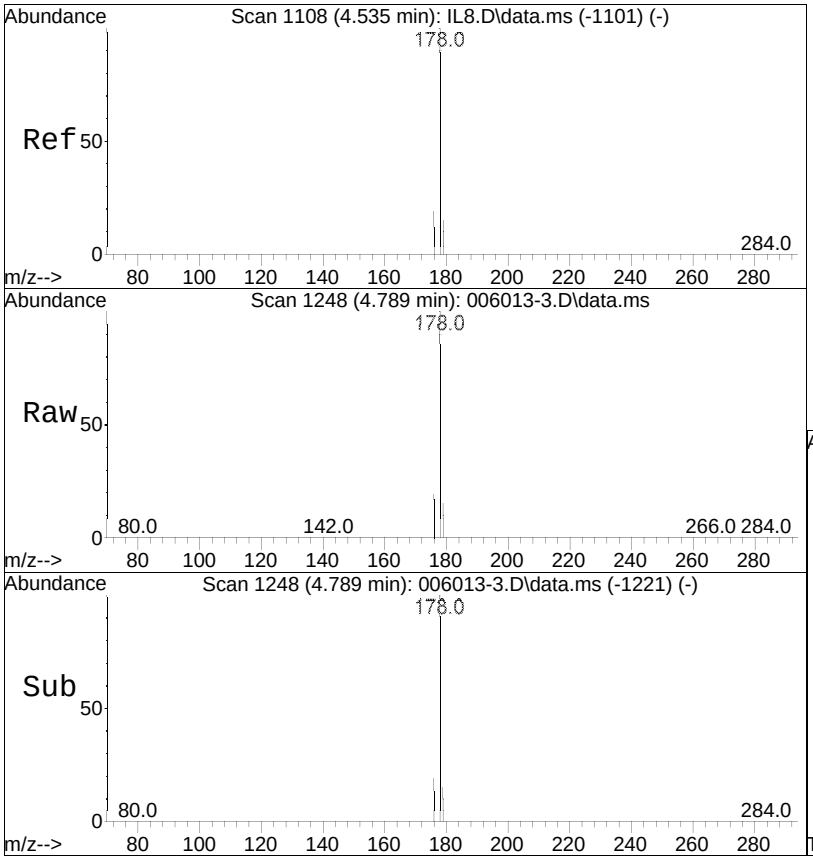


#26
Phenanthrene
Concen: 2305.16 ng/ml
RT: 4.761 min Scan# 1238
Delta R.T. -0.002 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:178 Resp: 373262

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7

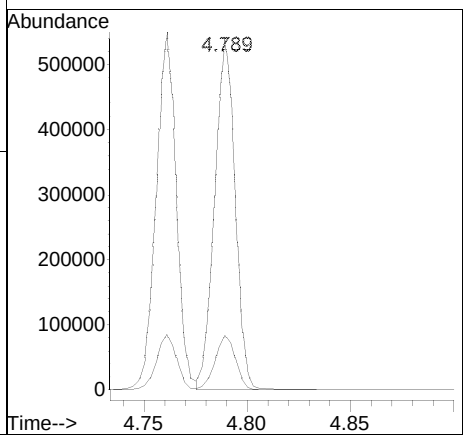


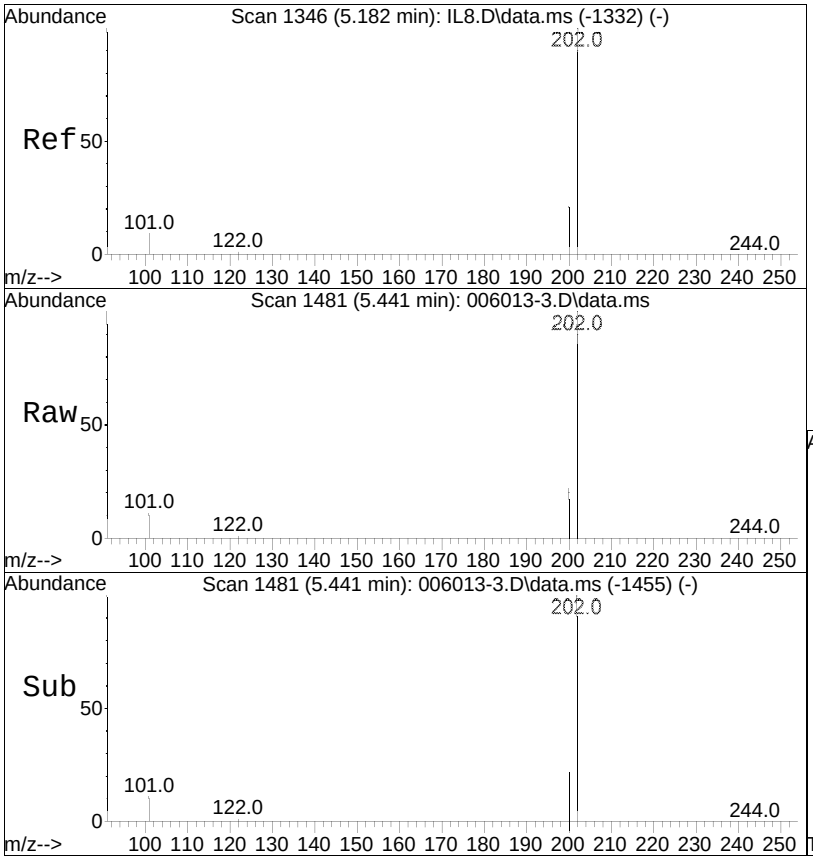


#27
Anthracene
Concen: 2212.31 ng/ml
RT: 4.789 min Scan# 1248
Delta R.T. -0.005 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:178 Resp: 370629

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

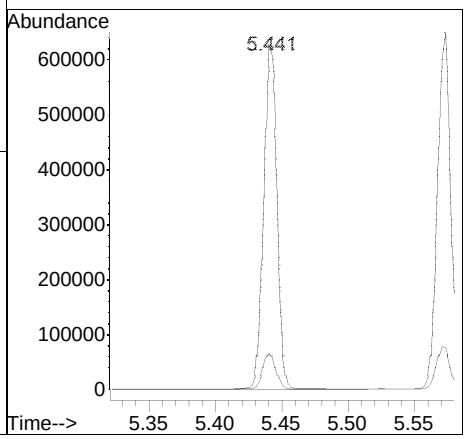


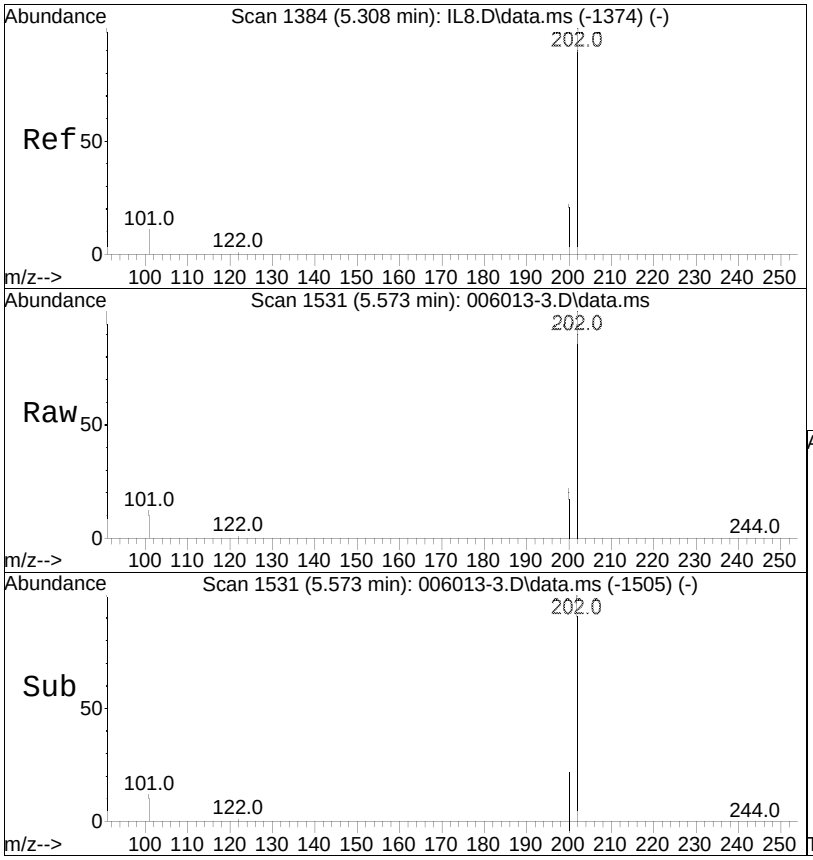


#28
Fluoranthene
Concen: 2348.28 ng/ml
RT: 5.441 min Scan# 1481
Delta R.T. -0.010 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:202 Resp: 437956

Ion	Ratio	Lower	Upper
202	100		
101	10.4	7.8	11.6

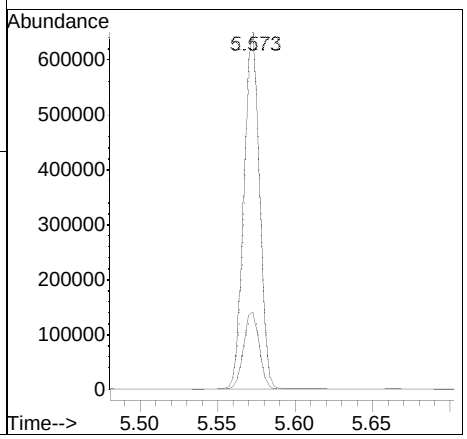


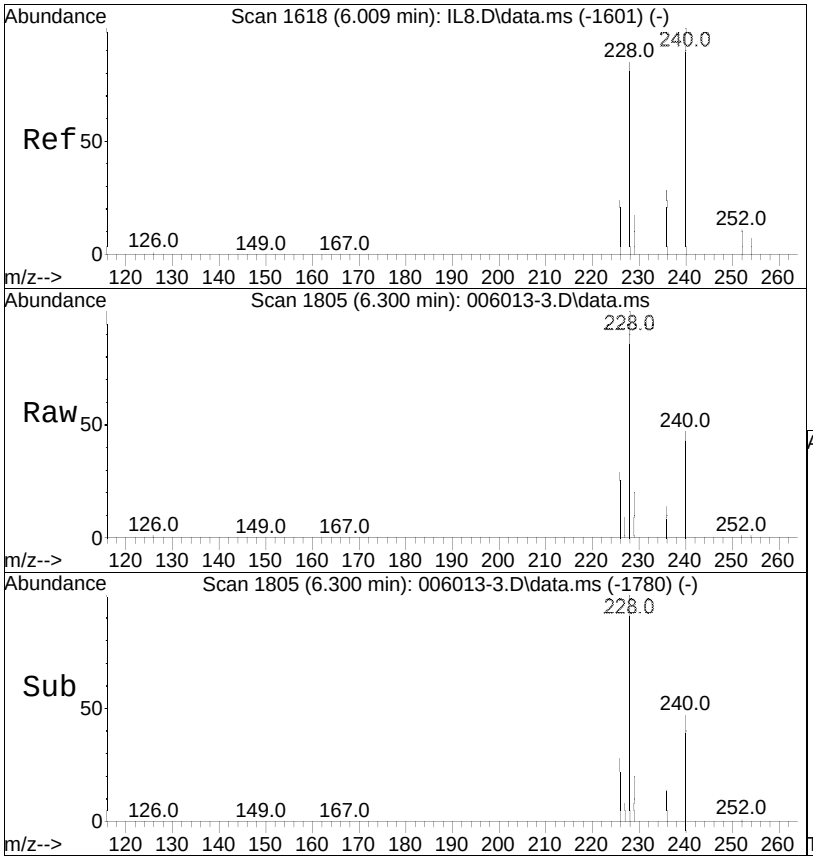


#29
Pyrene
Concen: 2334.32 ng/ml
RT: 5.573 min Scan# 1531
Delta R.T. -0.010 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:202 Resp: 448919

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.5	26.3

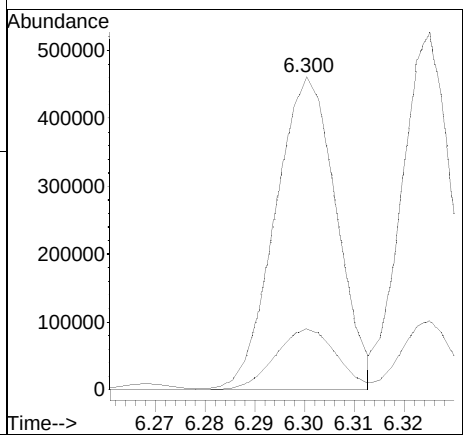


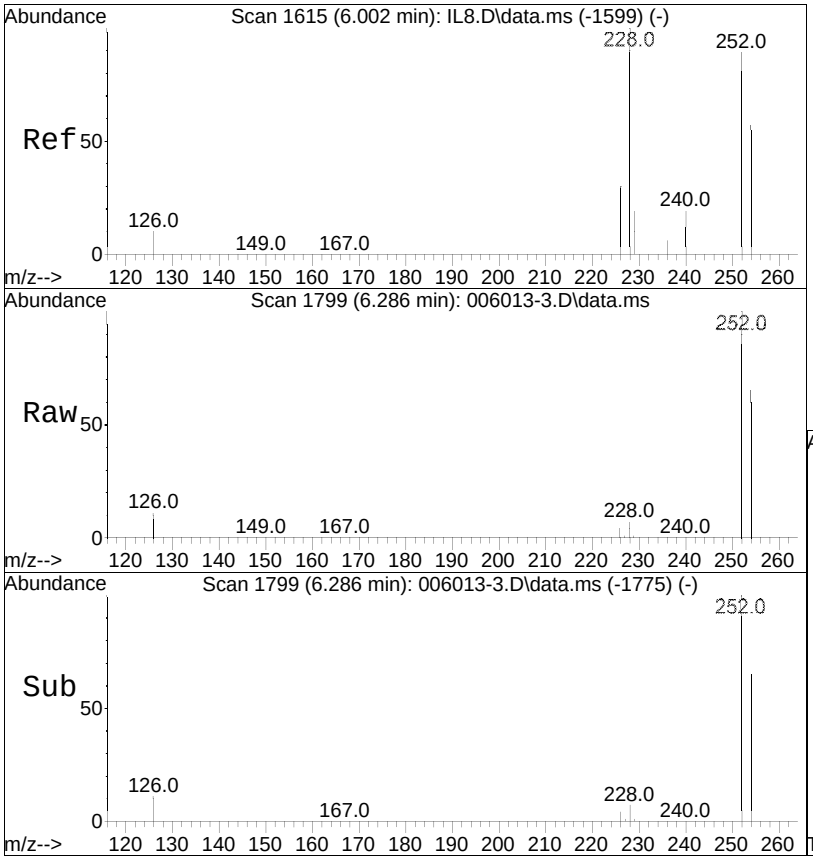


#32
Benzo[a]anthracene
Concen: 2377.39 ng/ml
RT: 6.300 min Scan# 1805
Delta R.T. -0.019 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:228 Resp: 392957

Ion	Ratio	Lower	Upper
228	100		
229	19.5	16.2	24.4

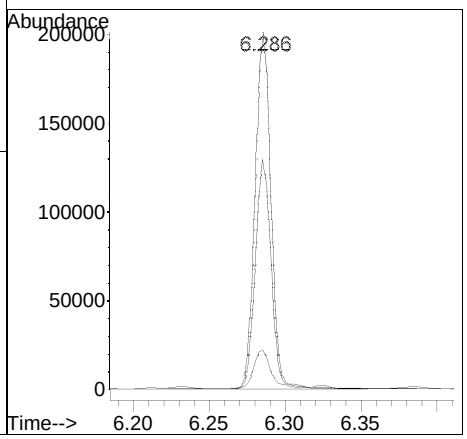


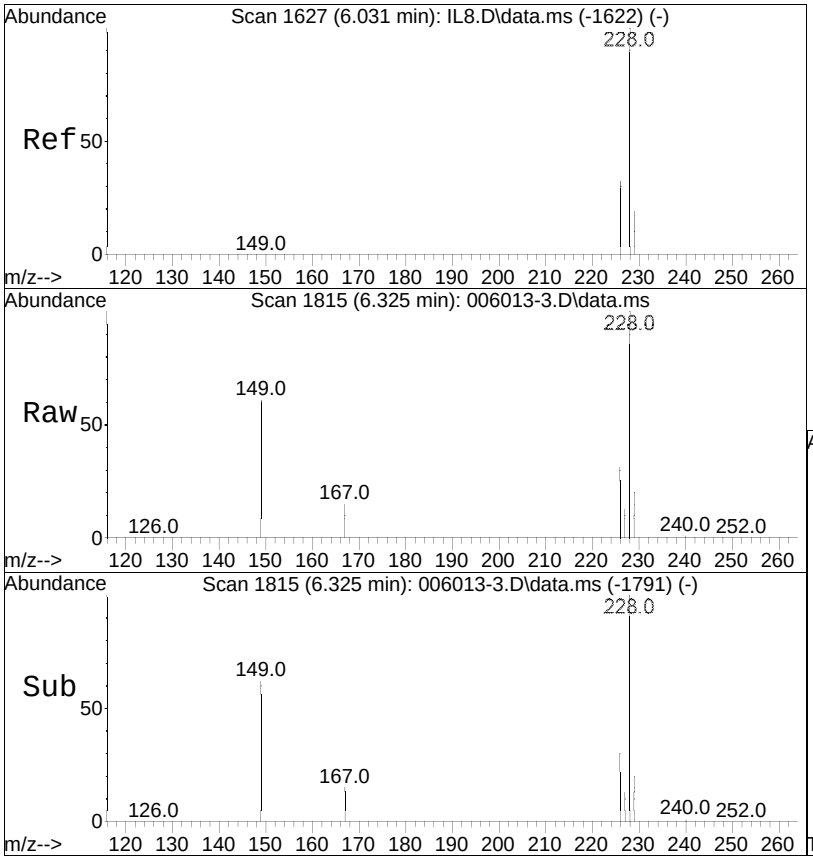


#33
3,3'-Dichlorobenzidine
Concen: 2458.21 ng/ml
RT: 6.286 min Scan# 1799
Delta R.T. -0.022 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:252 Resp: 143786

Ion	Ratio	Lower	Upper
252	100		
126	11.9	10.9	16.3
254	64.2	51.4	77.2

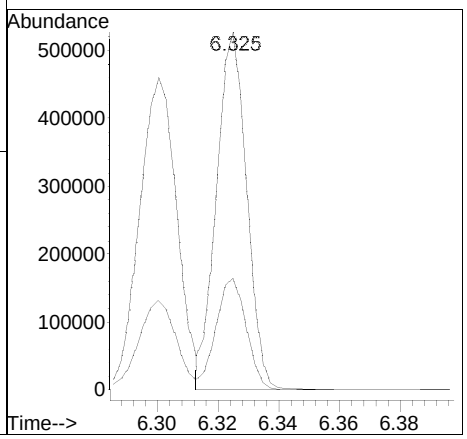


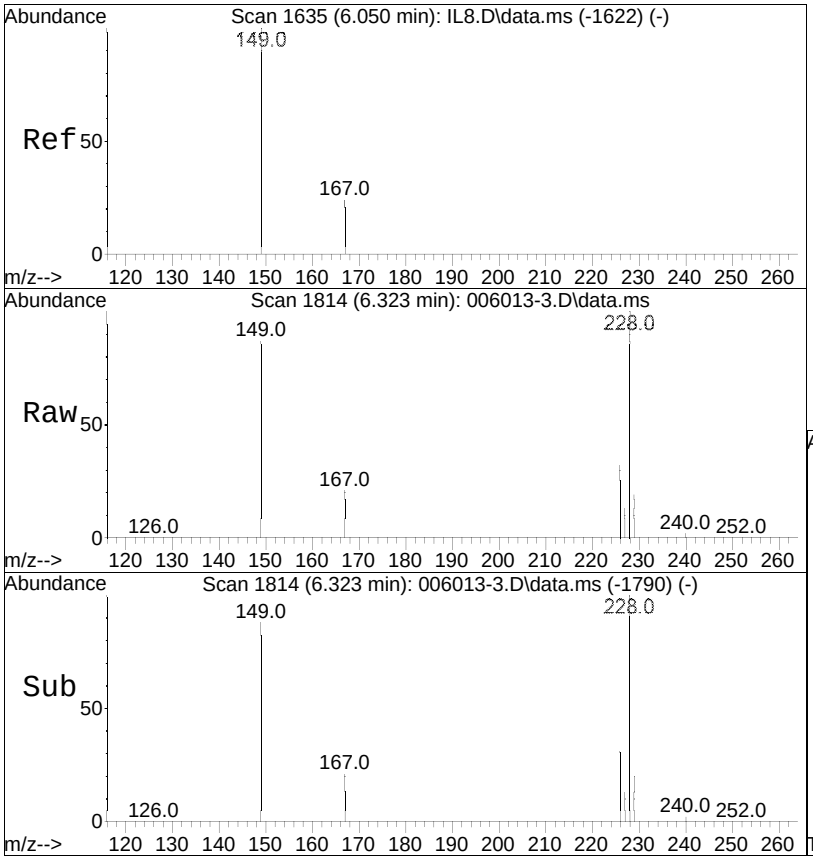


#34
Chrysene
Concen: 2531.68 ng/ml
RT: 6.325 min Scan# 1815
Delta R.T. -0.022 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:228 Resp: 362673

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3

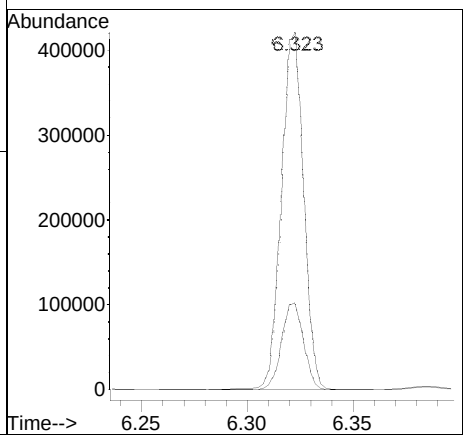


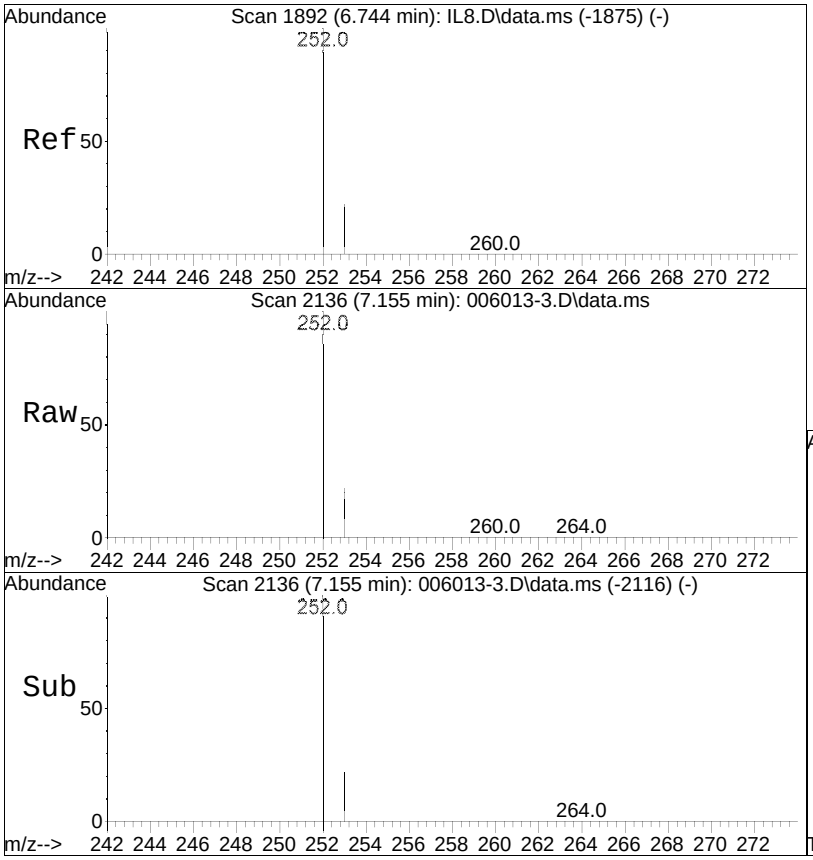


#35
Bis(2-ethylhexyl)phthalate
Concen: 3157.81 ng/ml
RT: 6.323 min Scan# 1814
Delta R.T. -0.022 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:149 Resp: 302376

Ion	Ratio	Lower	Upper
149	100		
167	24.2	19.6	29.4

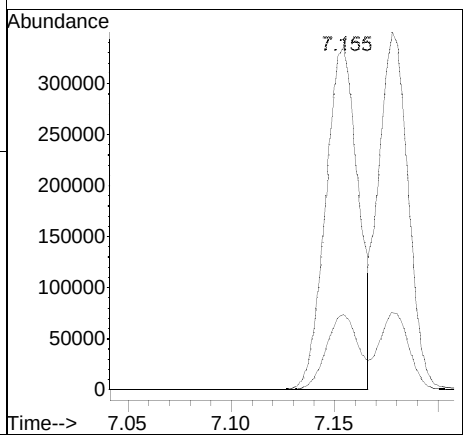


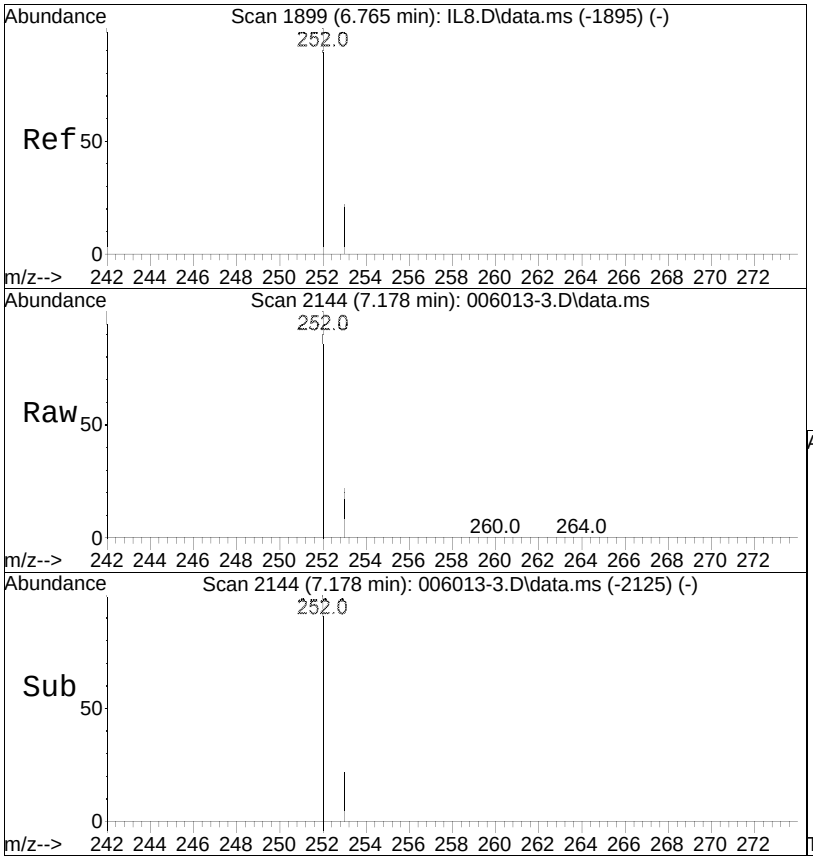


#37
Benzo[b]fluoranthene
Concen: 2395.38 ng/ml
RT: 7.155 min Scan# 2136
Delta R.T. -0.023 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:252 Resp: 368901

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

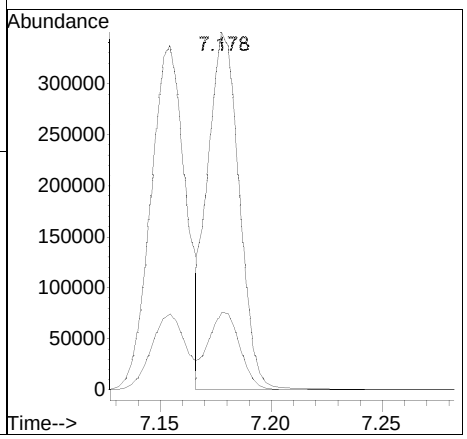


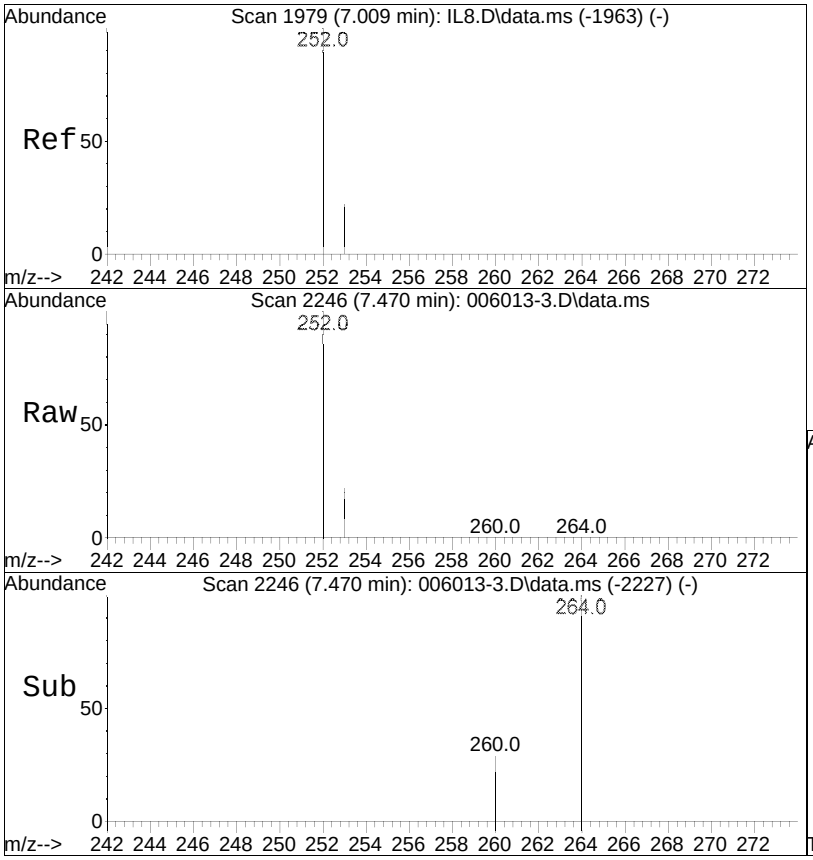


#38
Benzo[k]fluoranthene
Concen: 2467.51 ng/ml
RT: 7.178 min Scan# 2144
Delta R.T. -0.026 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:252 Resp: 341622

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4

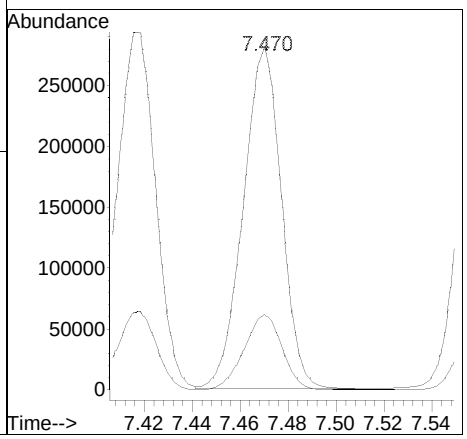


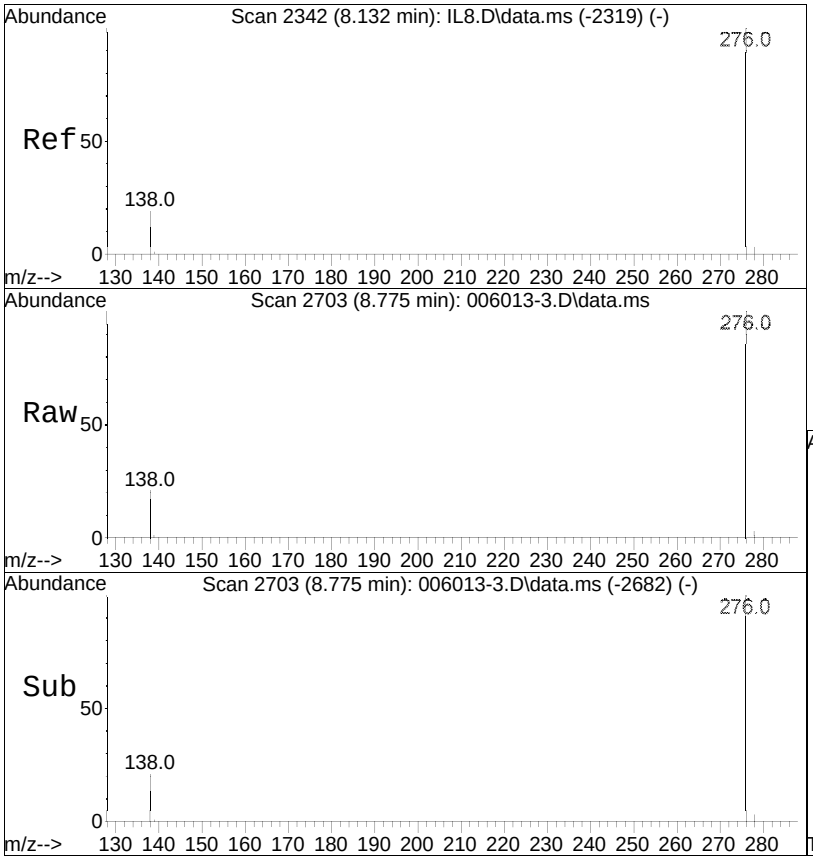


#39
Benzo[a]pyrene
Concen: 2446.38 ng/ml
RT: 7.470 min Scan# 2246
Delta R.T. -0.026 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:252 Resp: 308595

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2

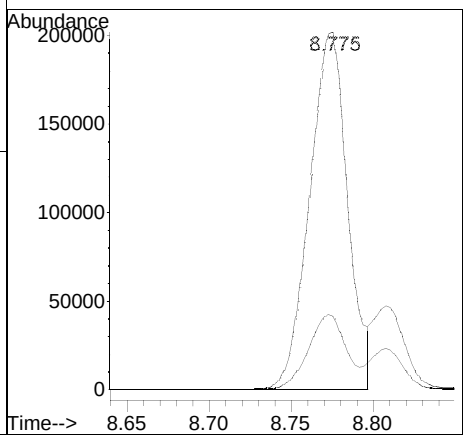


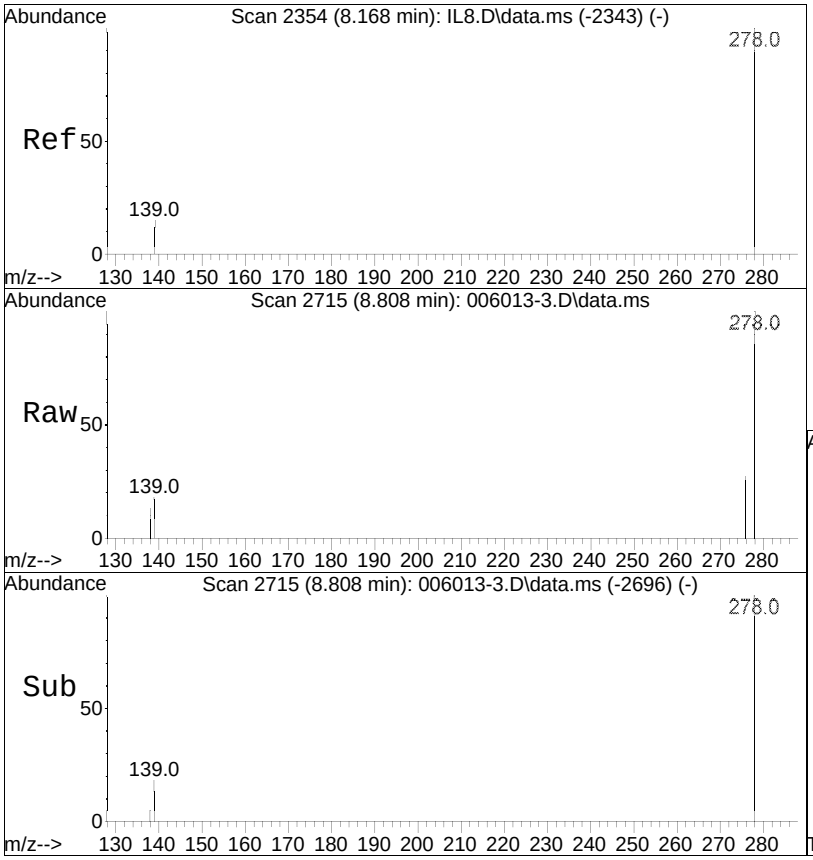


#40
Indeno[1,2,3-cd]pyrene
Concen: 2493.00 ng/ml
RT: 8.775 min Scan# 2703
Delta R.T. -0.024 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:276 Resp: 321563

Ion	Ratio	Lower	Upper
276	100		
138	20.8	15.4	23.0

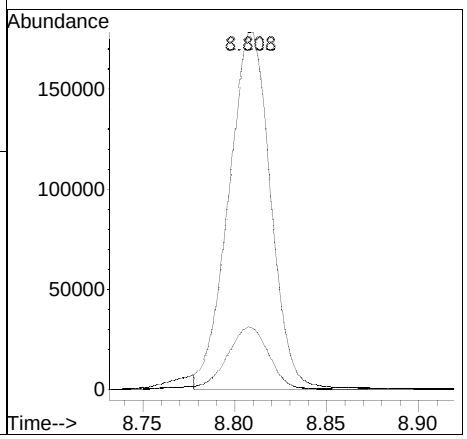


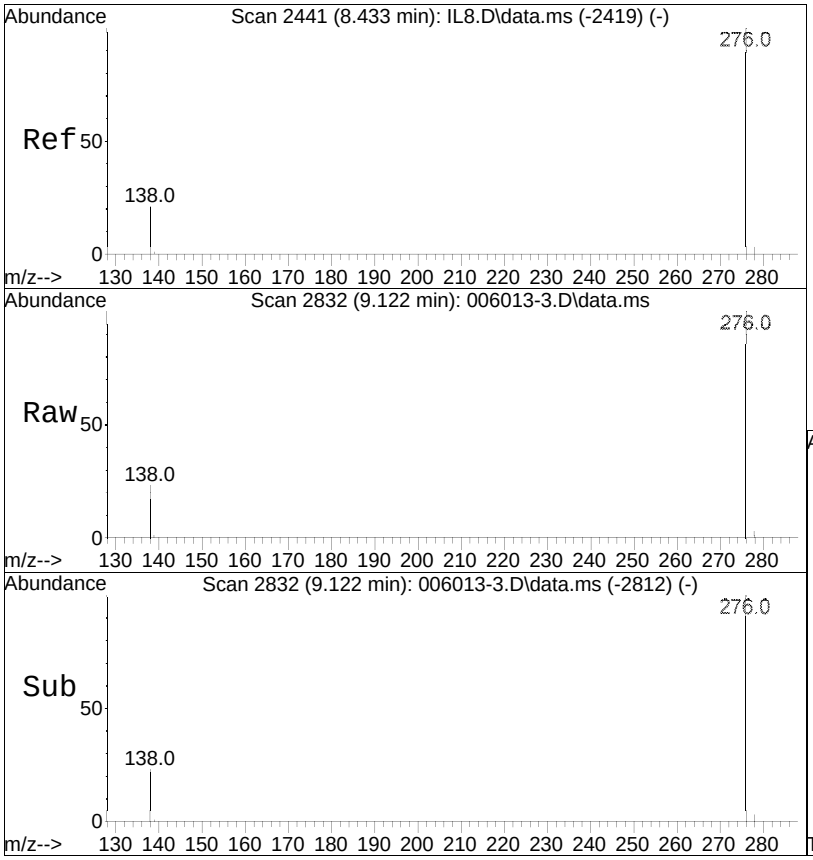


#41
Dibenzo[a,h]anthracene
Concen: 2325.05 ng/ml M6
RT: 8.808 min Scan# 2715
Delta R.T. -0.030 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:278 Resp: 281738

Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.0	19.6

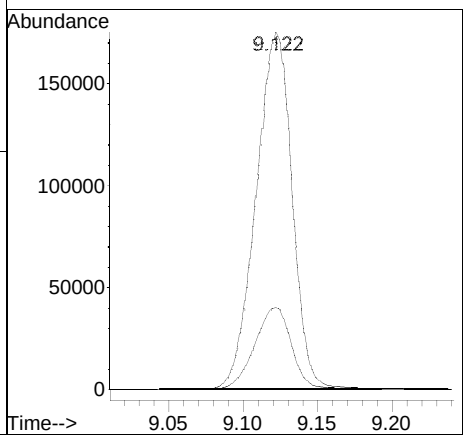




#42
Benzo[g,h,i]perylene
Concen: 2319.36 ng/ml
RT: 9.122 min Scan# 2832
Delta R.T. -0.027 min
Lab File: 006013-3.D
Acq: 07 Dec 2024 03:14 pm

Tgt Ion:276 Resp: 290556

Ion	Ratio	Lower	Upper
276	100		
138	23.7	16.6	25.0

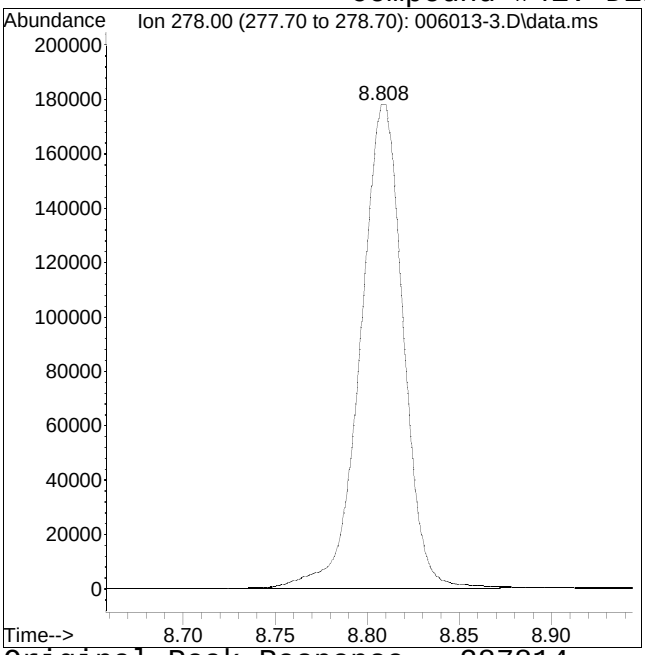


Manual Integration Report

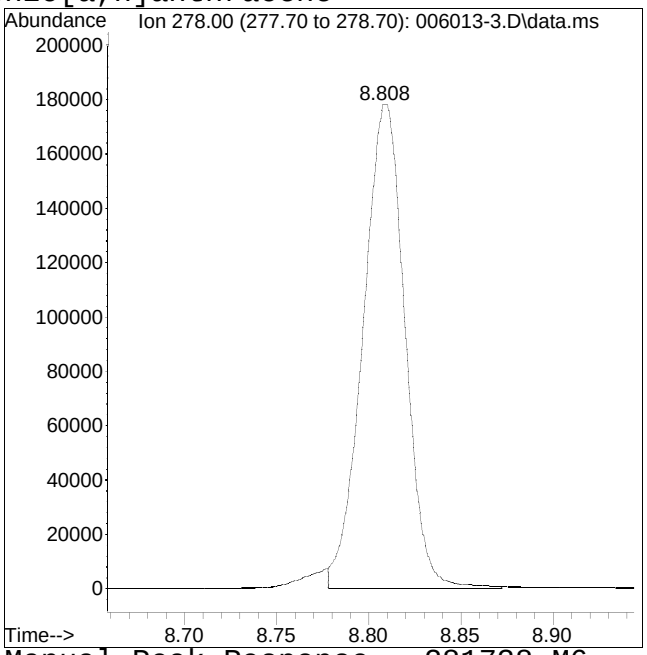
Data Path : I:\8270SIM\sv120\241207RVTQ
Data File : 006013-3.D
Date Inj'd : 12/7/2024 3:14 pm
Sample : WG2006013-3,32,,rp

Method : SIM-RVT_241105_sv120.M
Operator : SV120:kmh
Instrument : SV120
Quant Date : 12/7/2024 3:27 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 287814



Manual Peak Response = 281738 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-3.D
Acq On : 09 Dec 2024 11:30 am
Operator : SV125:kmh
Sample : WG2006681-3,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 10 08:03:39 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.266	152	509690	4000.000	ng/ml	0.02
Standard Area 1 = 620723			Recovery = 82.11%			
8) Naphthalene-d8	2.929	136	1943698	4000.000	ng/ml	0.02
Standard Area 1 = 2184118			Recovery = 88.99%			
17) Acenaphthene-d10	3.908	164	1131978	4000.000	ng/ml	0.00
Standard Area 1 = 1298651			Recovery = 87.17%			
22) Phenanthrene-d10	4.755	188	2318604	4000.000	ng/ml	0.00
Standard Area 1 = 2706375			Recovery = 85.67%			
31) Chrysene-d12	6.321	240	2359131M2	4000.000	ng/ml	-0.09
Standard Area 1 = 2815094			Recovery = 83.80%			
36) Perylene-d12	7.550	264	2633192M2	4000.000	ng/ml	-0.10
Standard Area 1 = 3104537			Recovery = 84.82%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.683	112	158787	1159.435	ng/ml	0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery = 57.97%			
3) Phenol-d6	2.083	99	143280	826.605	ng/ml	0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery = 41.33%			
7) Nitrobenzene-d5	2.549	82	112265	760.735	ng/ml	0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 76.07%			
13) 2-Fluorobiphenyl	3.526	172	314063	726.348	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 72.63%			
21) 2,4,6-Tribromophenol	4.359	330	114452	1864.179	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 93.21%			
30) 4-Terphenyl-d14	5.675	244	425459	795.851	ng/ml	-0.05
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.59%			
Target Compounds						Qvalue
6) Hexachloroethane	2.525	117	86507	1350.145	ng/ml	96
9) Naphthalene	2.939	128	738882	1415.627	ng/ml	99
10) Hexachlorobutadiene	3.010	225	132095	1237.846	ng/ml	100
11) 2-Methylnaphthalene	3.320	142	508615	1445.312	ng/ml	99
14) 2-Chloronaphthalene	3.592	162	525015	1424.580	ng/ml	93
16) Acenaphthylene	3.827	152	805992	1540.834	ng/ml	99
18) Acenaphthene	3.926	153	577968	1584.026	ng/ml	94
20) Fluorene	4.219	166	650445	1614.688	ng/ml	98
24) Hexachlorobenzene	4.540	284	231565	1557.569	ng/ml	97
25) Pentachlorophenol	4.653	266	144339	1778.475	ng/ml	100

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-3.D
Acq On : 09 Dec 2024 11:30 am
Operator : SV125:kmh
Sample : WG2006681-3,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 10 08:03:39 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.769	178	1052884	1643.110	ng/ml	100
27) Anthracene	4.798	178	1073037	1739.079	ng/ml	100
28) Fluoranthene	5.455	202	1281052	1740.653	ng/ml	97
29) Pyrene	5.585	202	1349174	1734.718	ng/ml	99
32) Benzo[a]anthracene	6.313	228	1399940M2	1966.131	ng/ml	
34) Chrysene	6.338	228	1279991M2	1916.802	ng/ml	
37) Benzo[b]fluoranthene	7.170	252	1369750M2	1869.397	ng/ml	
38) Benzo[k]fluoranthene	7.194	252	1366321M2	2040.416	ng/ml	
39) Benzo[a]pyrene	7.484	252	1250539M3	2057.809	ng/ml	
40) Indeno[1,2,3-cd]pyrene	8.790	276	1316768M2	2017.552	ng/ml	
41) Dibenzo[a,h]anthracene	8.823	278	1229656M2	2045.471	ng/ml	
42) Benzo[g,h,i]perylene	9.139	276	1218953M2	1922.237	ng/ml	

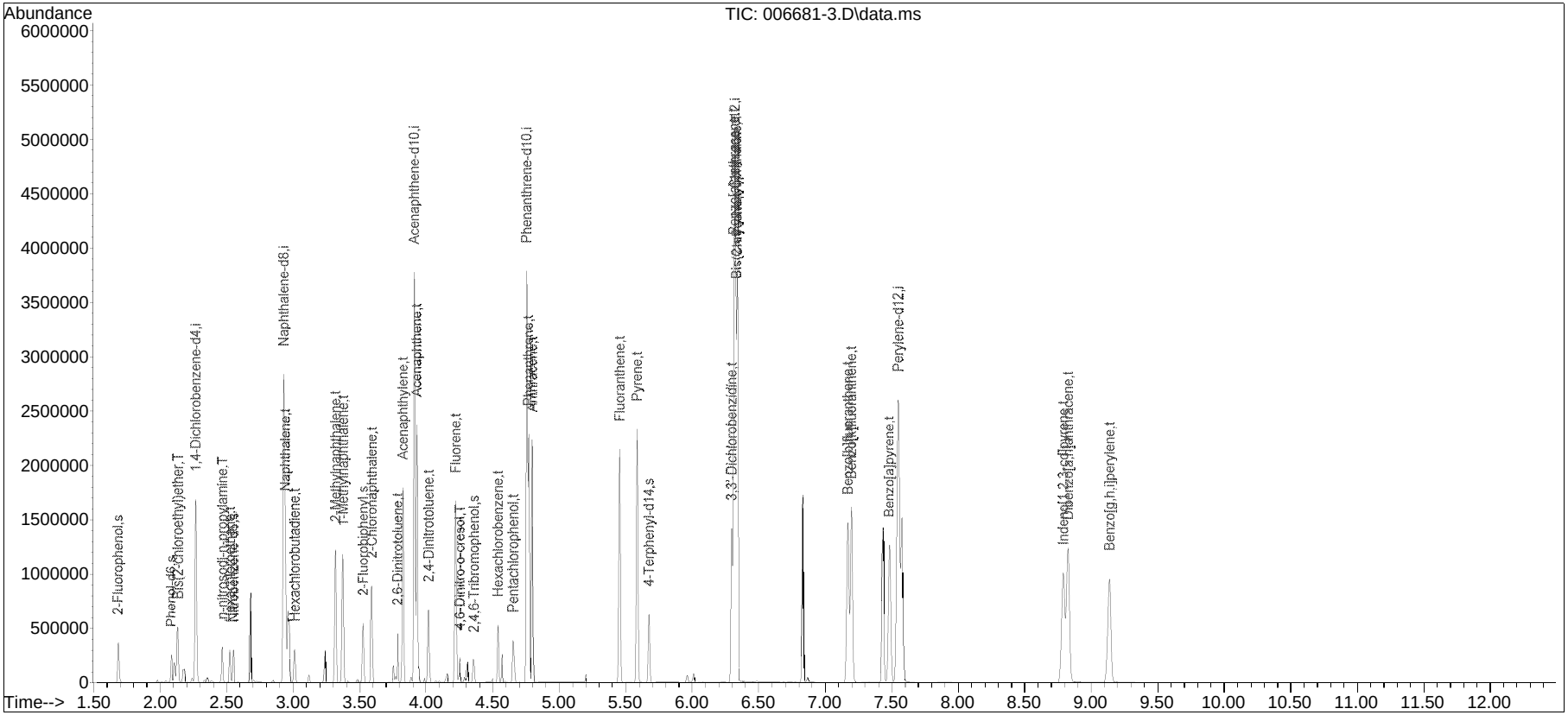
(#) = qualifier out of range (m) = manual integration (+) = signals summed

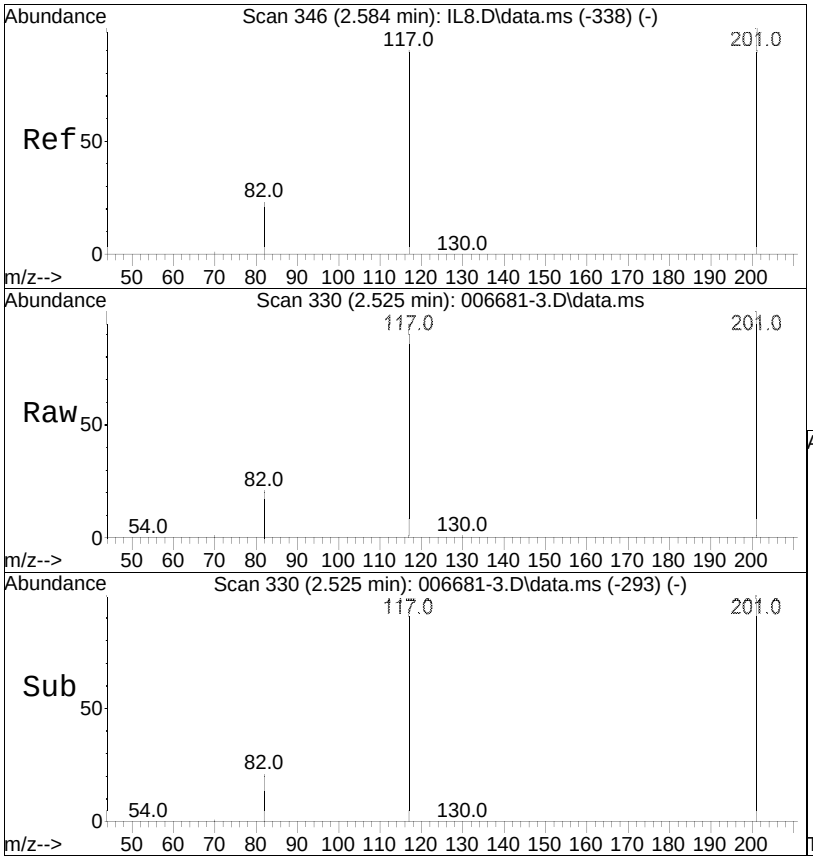
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-3.D
Acq On : 09 Dec 2024 11:30 am
Operator : SV125:kmh
Sample : WG2006681-3,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 10 08:03:39 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv1209b.D•

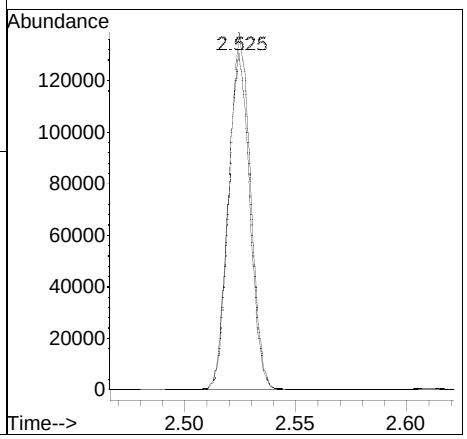


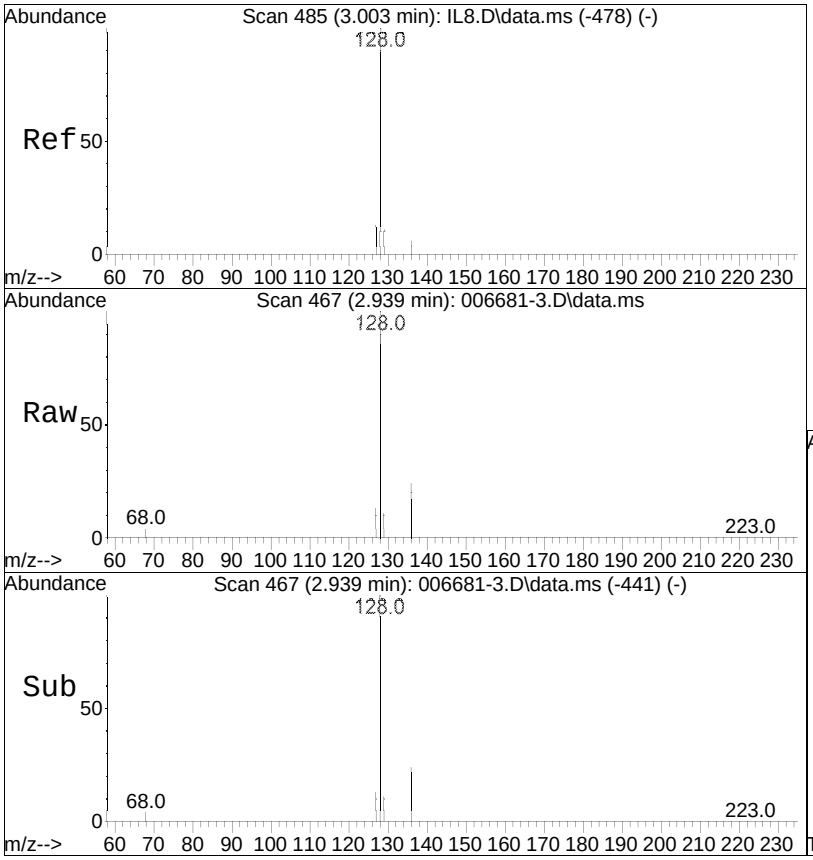


#6
Hexachloroethane
Concen: 1350.14 ng/ml
RT: 2.525 min Scan# 330
Delta R.T. 0.022 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:117 Resp: 86507

Ion	Ratio	Lower	Upper
117	100		
201	106.0	88.0	132.0

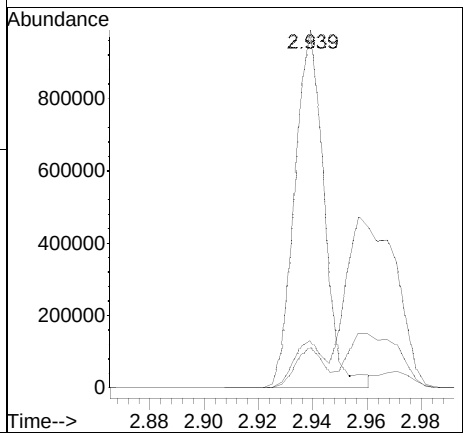


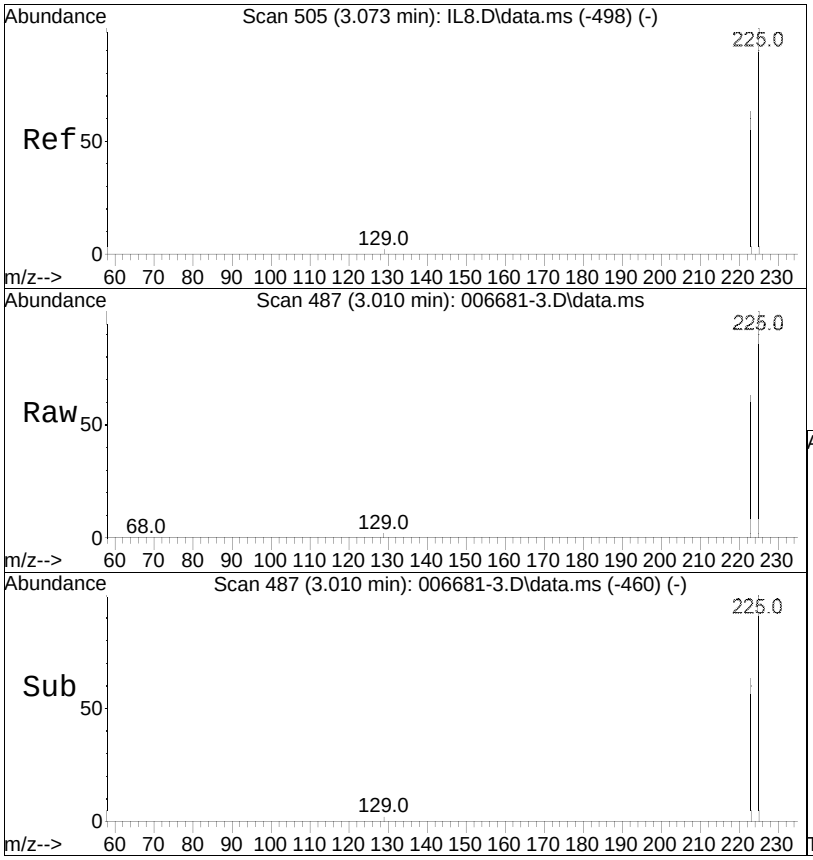


#9
Naphthalene
Concen: 1415.63 ng/ml
RT: 2.939 min Scan# 467
Delta R.T. 0.016 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:128 Resp: 738882

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.8	10.9	16.3

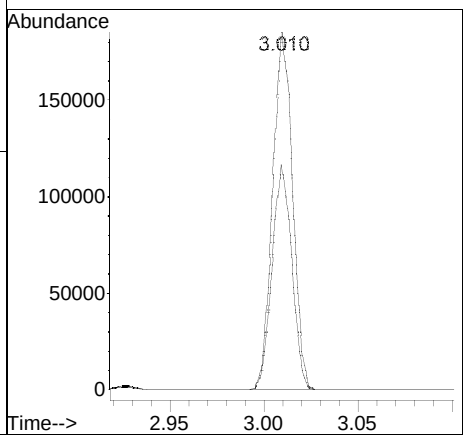


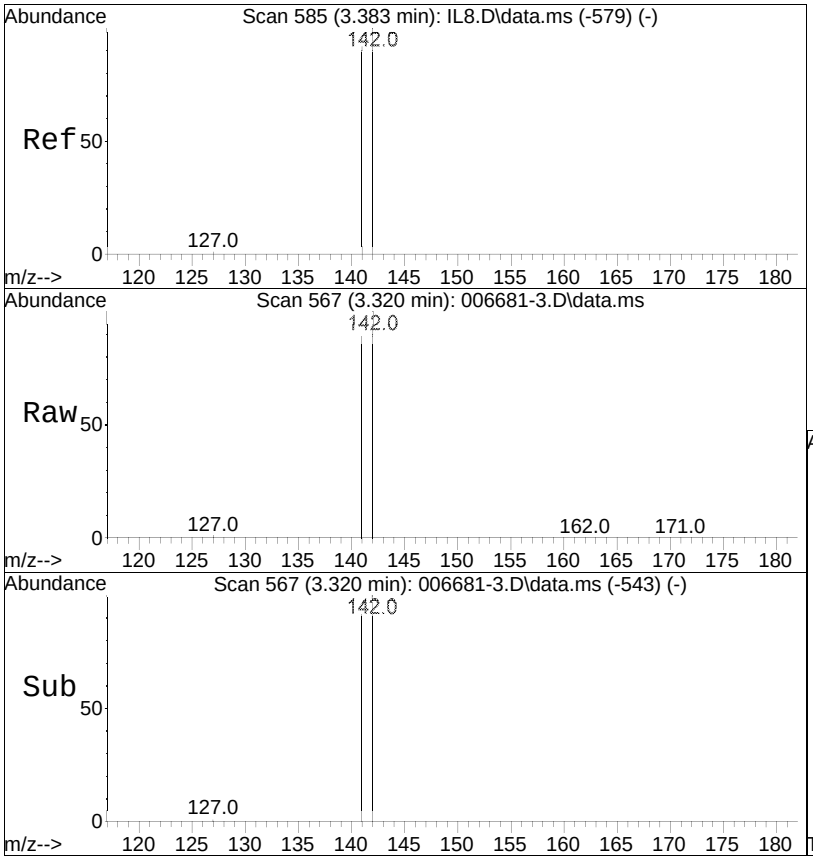


#10
Hexachlorobutadiene
Concen: 1237.85 ng/ml
RT: 3.010 min Scan# 487
Delta R.T. 0.016 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:225 Resp: 132095

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.3	75.5

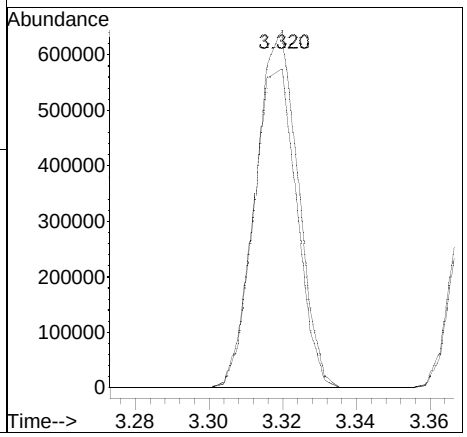


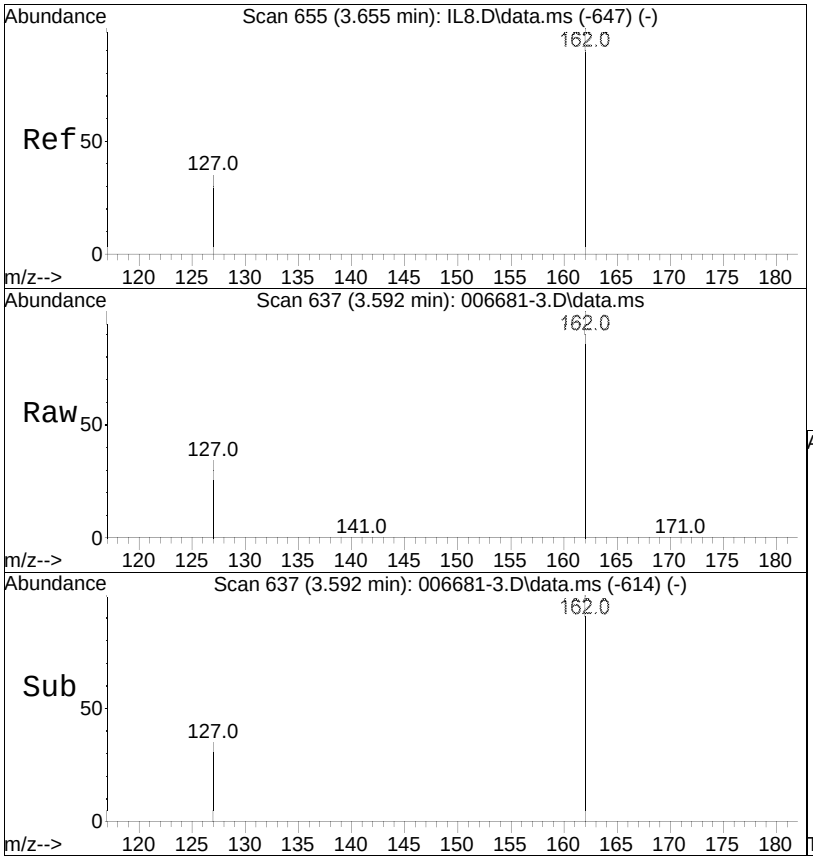


#11
2-Methylnaphthalene
Concen: 1445.31 ng/ml
RT: 3.320 min Scan# 567
Delta R.T. 0.014 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:142 Resp: 508615

Ion	Ratio	Lower	Upper
142	100		
141	91.7	74.0	111.0

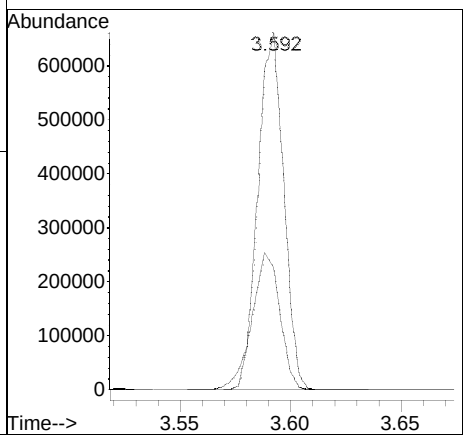


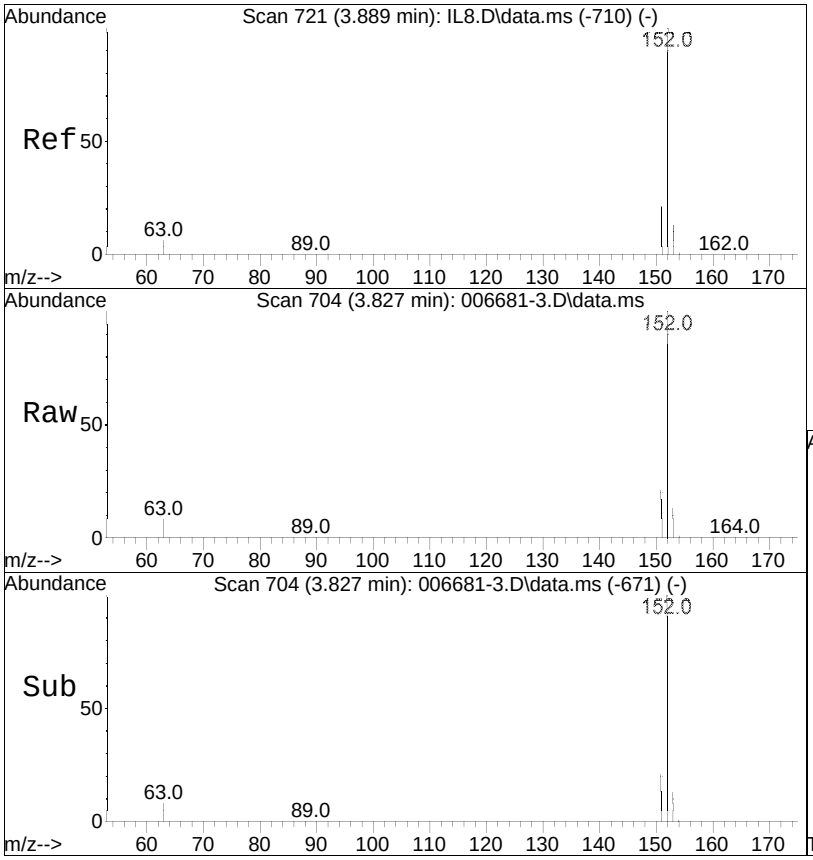


#14
2-Chloronaphthalene
Concen: 1424.58 ng/ml
RT: 3.592 min Scan# 637
Delta R.T. 0.010 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:162 Resp: 525015

Ion	Ratio	Lower	Upper
162	100		
127	41.9	30.1	45.1

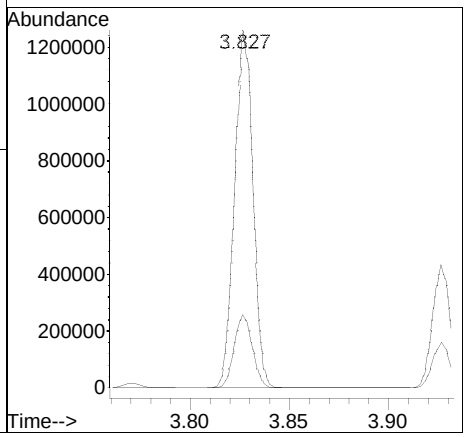


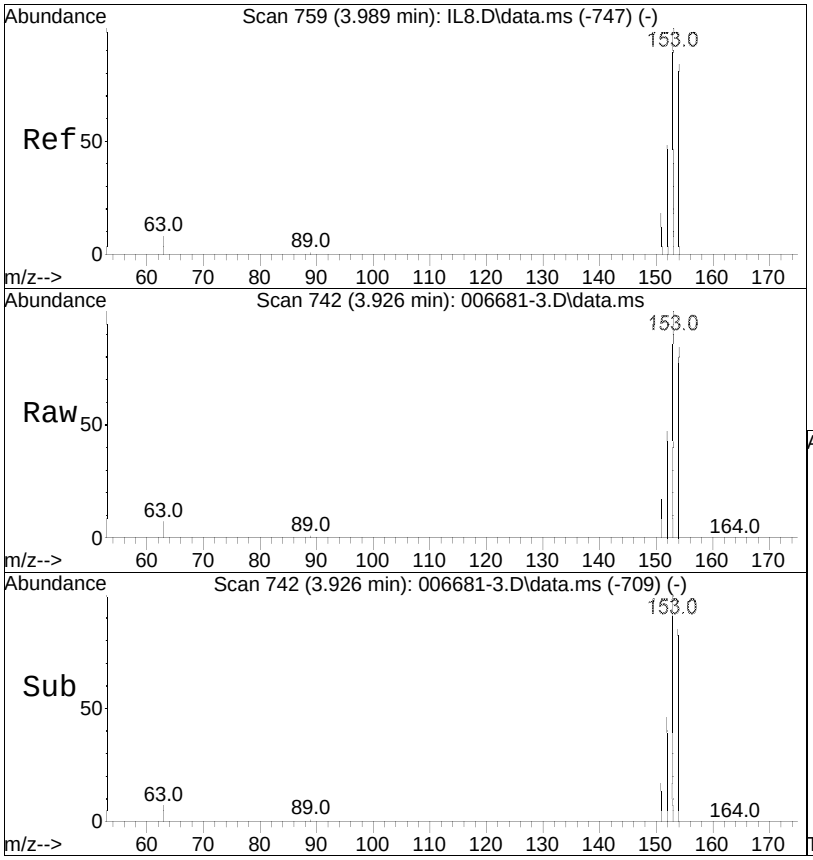


#16
Acenaphthylene
Concen: 1540.83 ng/ml
RT: 3.827 min Scan# 704
Delta R.T. 0.008 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:152 Resp: 805992

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.5	24.7

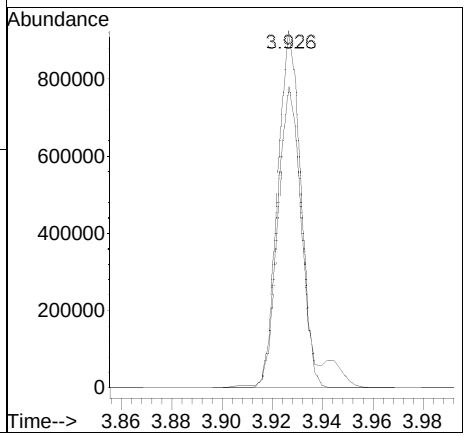


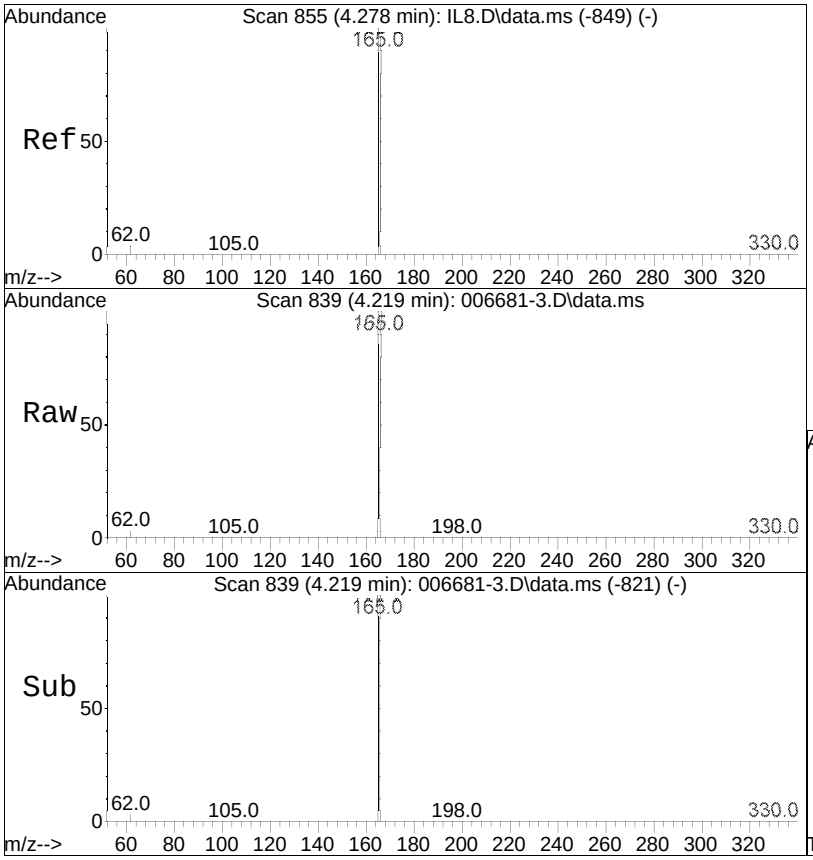


#18
Acenaphthene
Concen: 1584.03 ng/ml
RT: 3.926 min Scan# 742
Delta R.T. 0.008 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:153 Resp: 577968

Ion	Ratio	Lower	Upper
153	100		
154	87.4	74.9	112.3

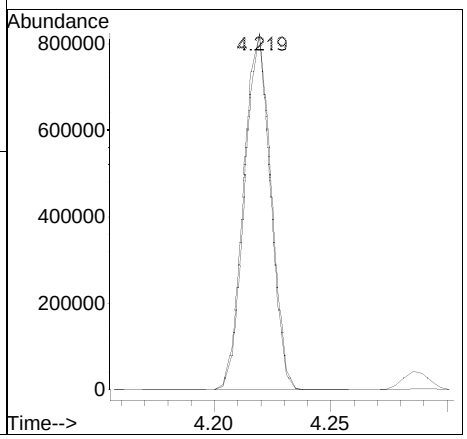


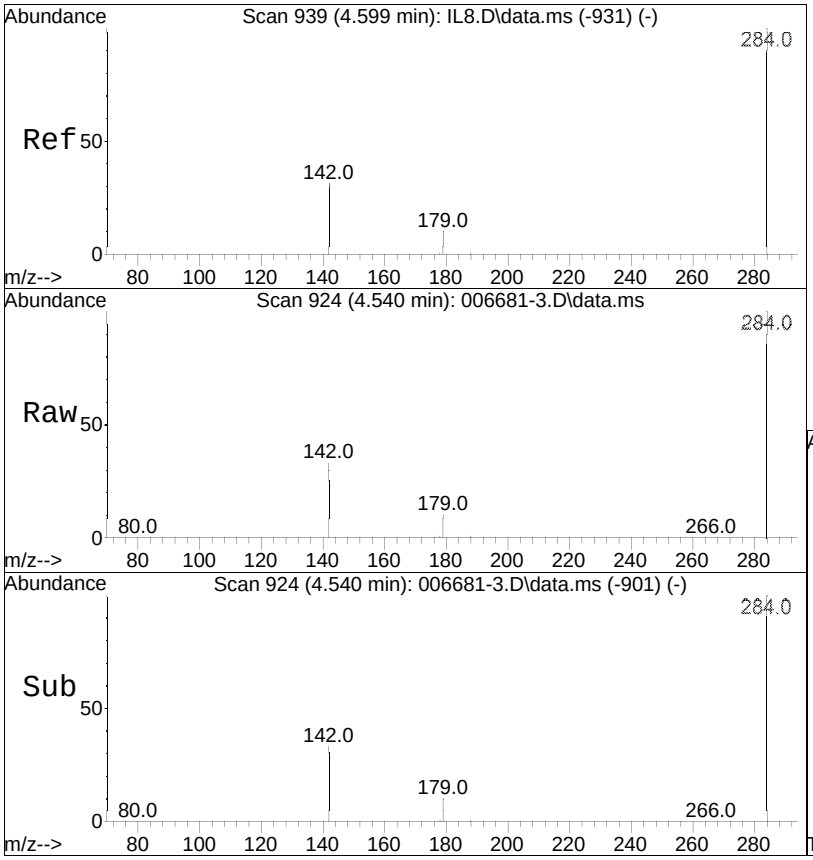


#20
Fluorene
Concen: 1614.69 ng/ml
RT: 4.219 min Scan# 839
Delta R.T. 0.005 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:166 Resp: 650445

Ion	Ratio	Lower	Upper
166	100		
165	101.0	82.2	123.4

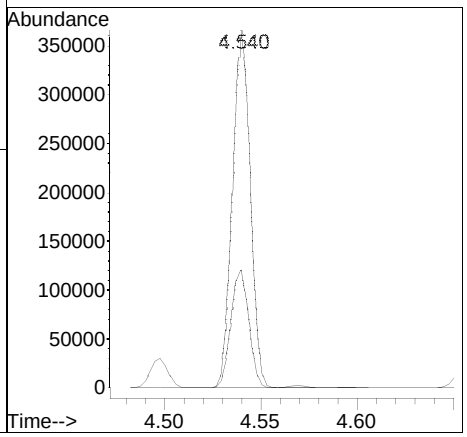


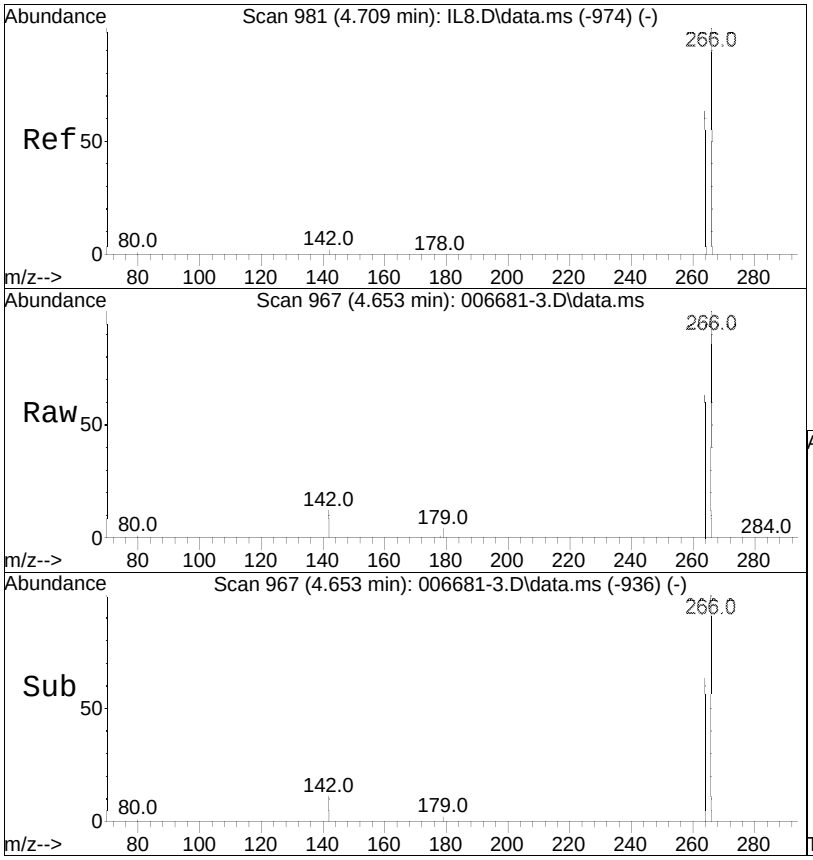


#24
Hexachlorobenzene
Concen: 1557.57 ng/ml
RT: 4.540 min Scan# 924
Delta R.T. 0.001 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:284 Resp: 231565

Ion	Ratio	Lower	Upper
284	100		
142	33.3	25.4	38.0

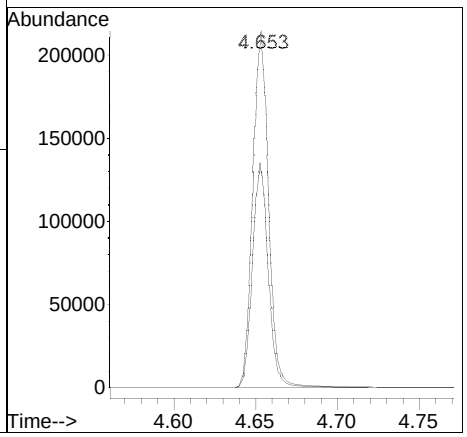


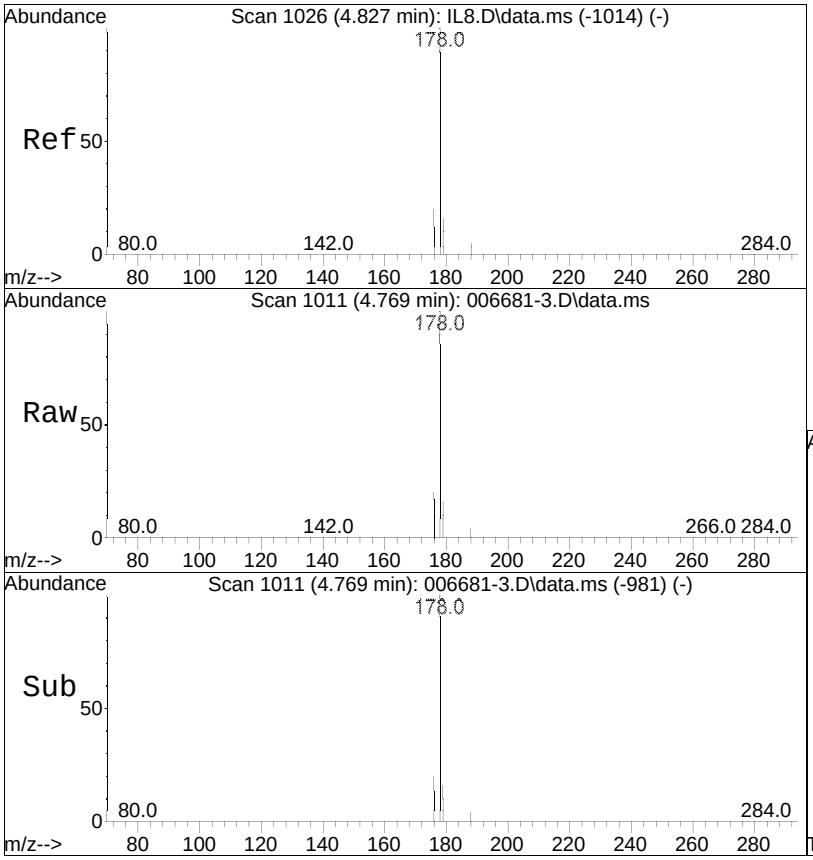


#25
Pentachlorophenol
Concen: 1778.47 ng/ml
RT: 4.653 min Scan# 967
Delta R.T. 0.001 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:266 Resp: 144339

Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.6	76.0

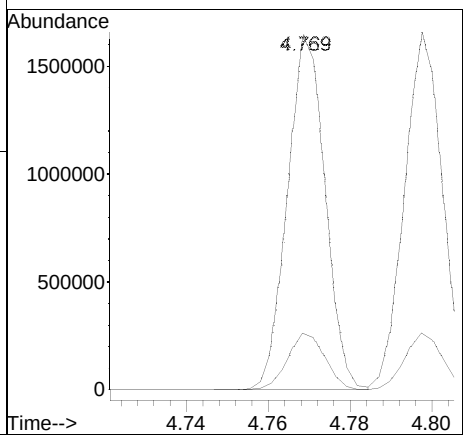


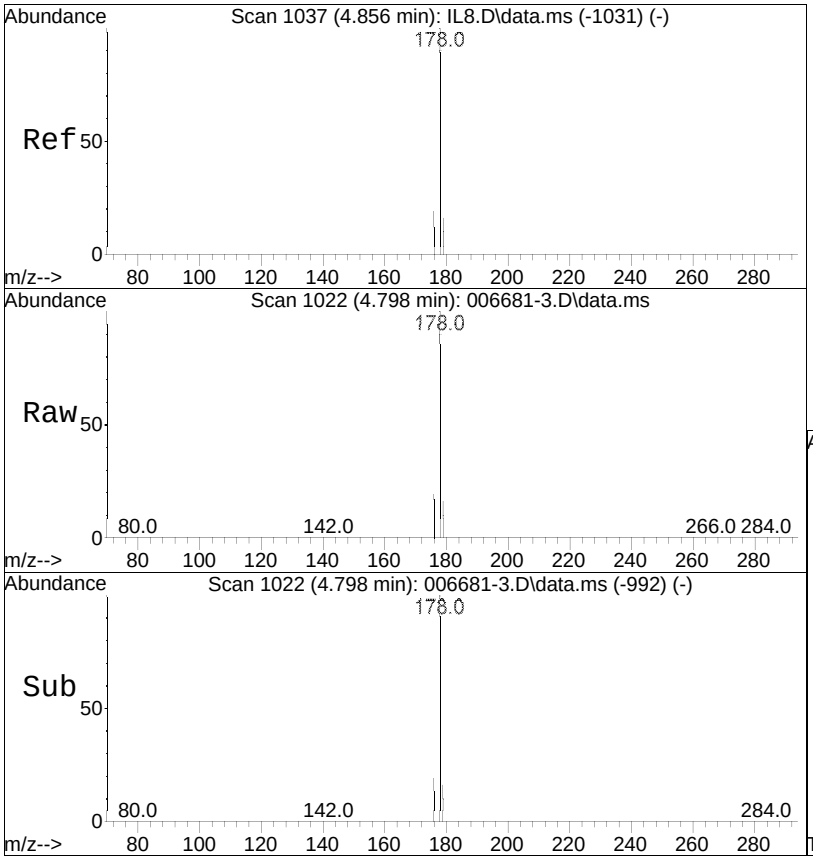


#26
Phenanthrene
Concen: 1643.11 ng/ml
RT: 4.769 min Scan# 1011
Delta R.T. -0.001 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:178 Resp: 1052884

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.8	19.2

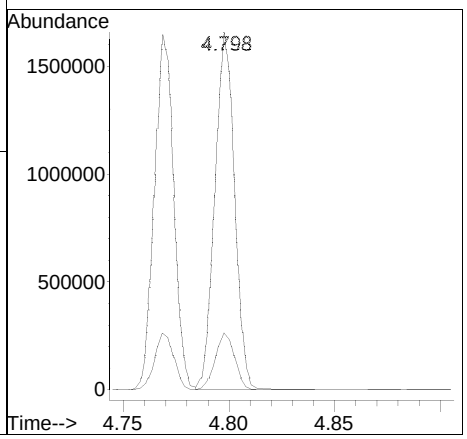


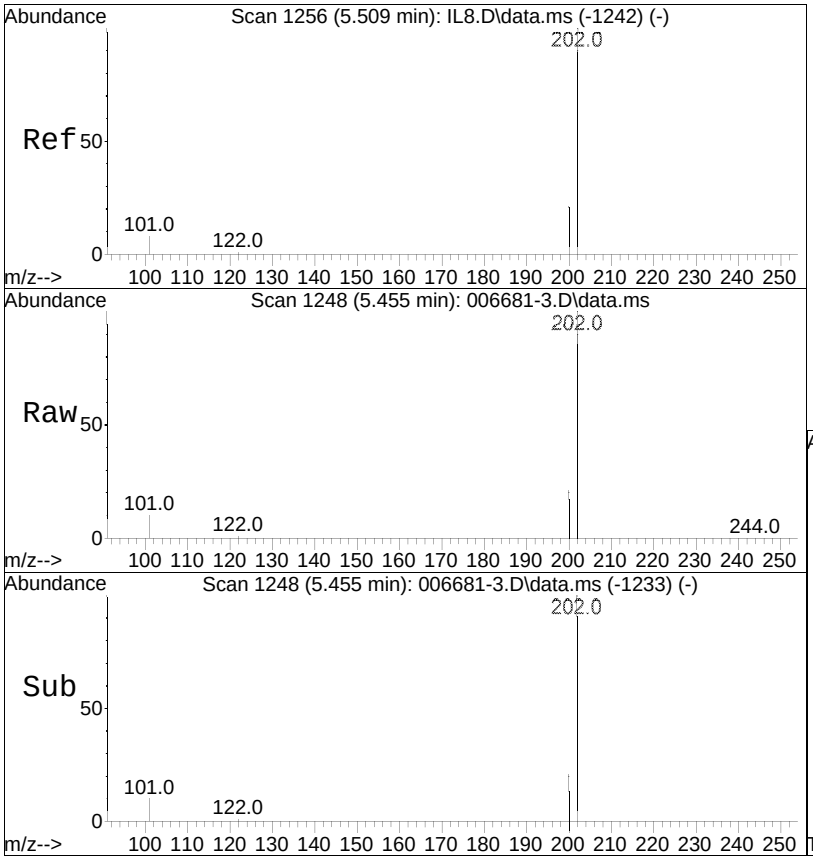


#27
Anthracene
Concen: 1739.08 ng/ml
RT: 4.798 min Scan# 1022
Delta R.T. -0.001 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:178 Resp: 1073037

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	18.8

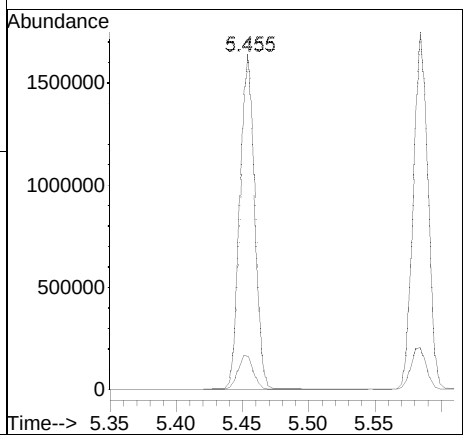


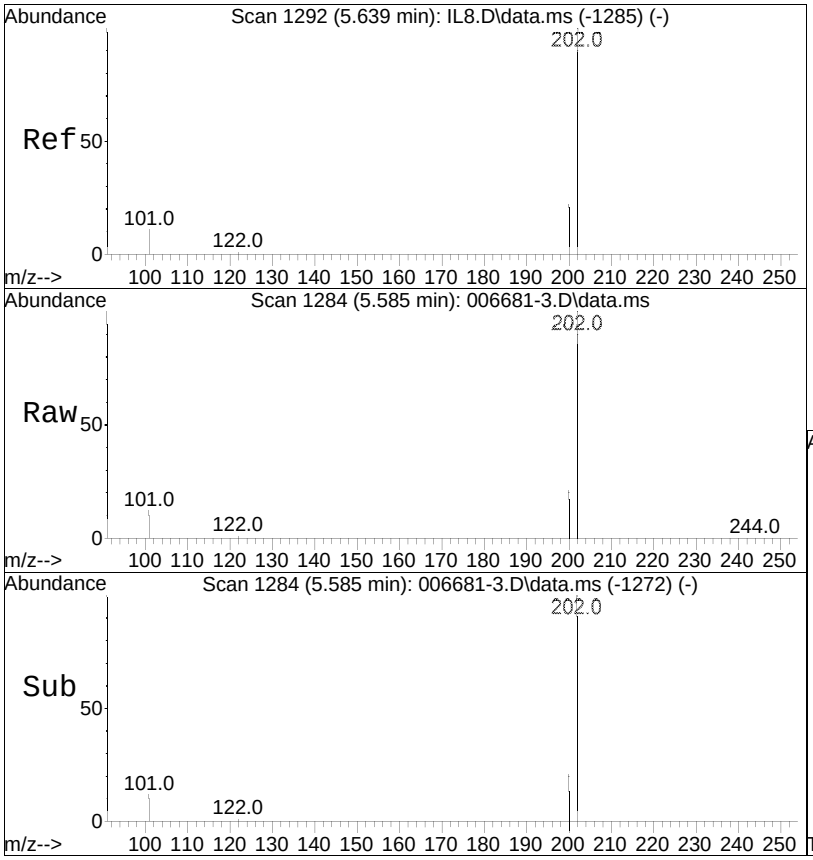


#28
Fluoranthene
Concen: 1740.65 ng/ml
RT: 5.455 min Scan# 1248
Delta R.T. -0.027 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:202 Resp: 1281052

Ion	Ratio	Lower	Upper
202	100		
101	10.5	7.7	11.5

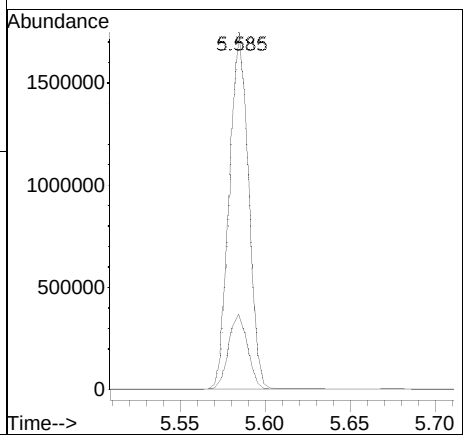


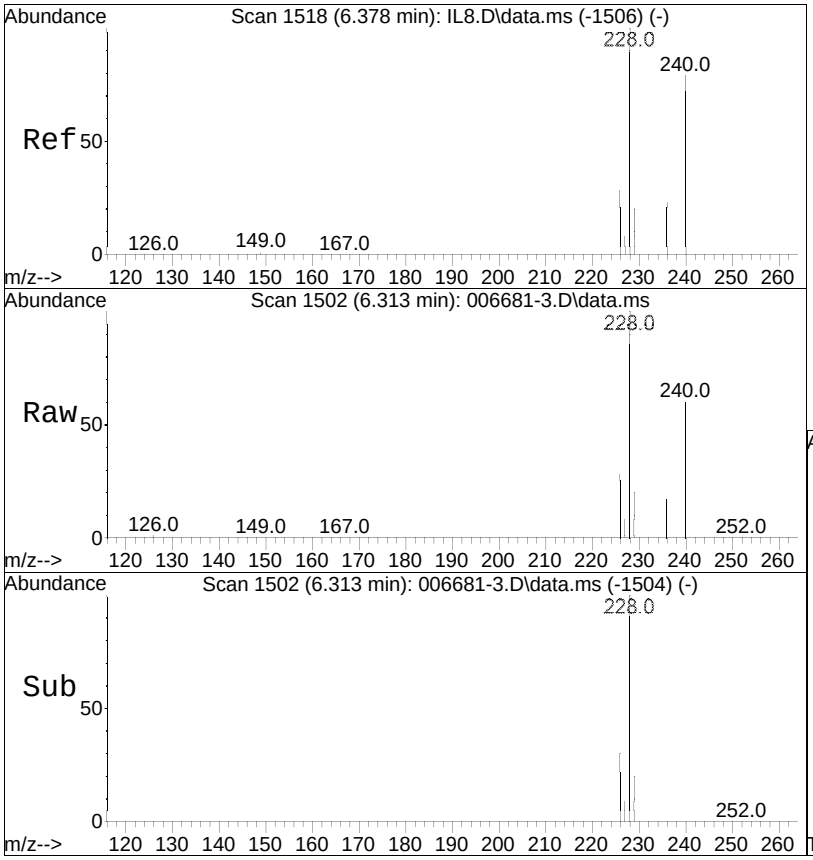


#29
Pyrene
Concen: 1734.72 ng/ml
RT: 5.585 min Scan# 1284
Delta R.T. -0.038 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:202 Resp: 1349174

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9

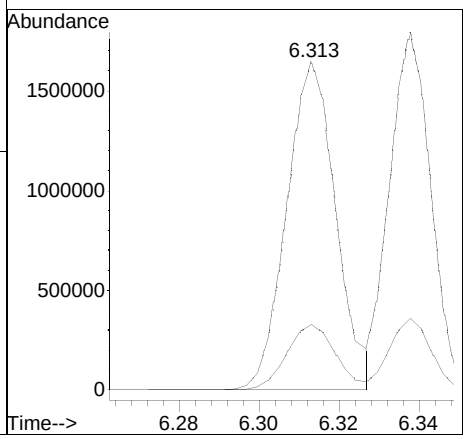


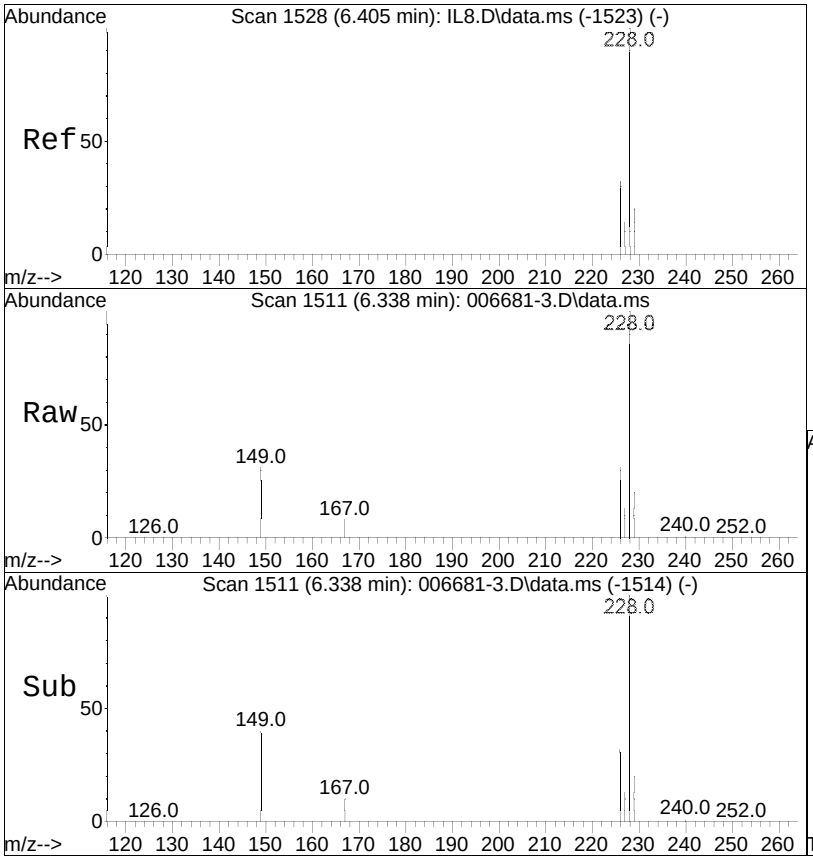


#32
Benzo[a]anthracene
Concen: 1966.13 ng/ml M2
RT: 6.313 min Scan# 1502
Delta R.T. -0.087 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:228 Resp: 1399940

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.9	23.9

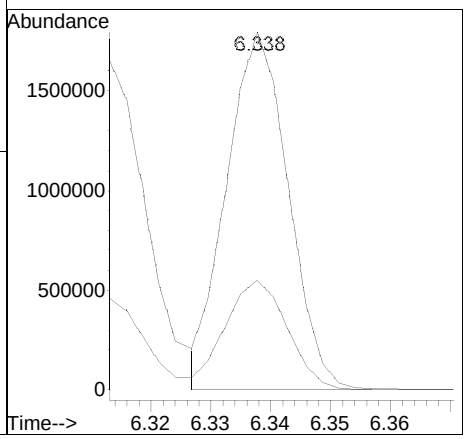


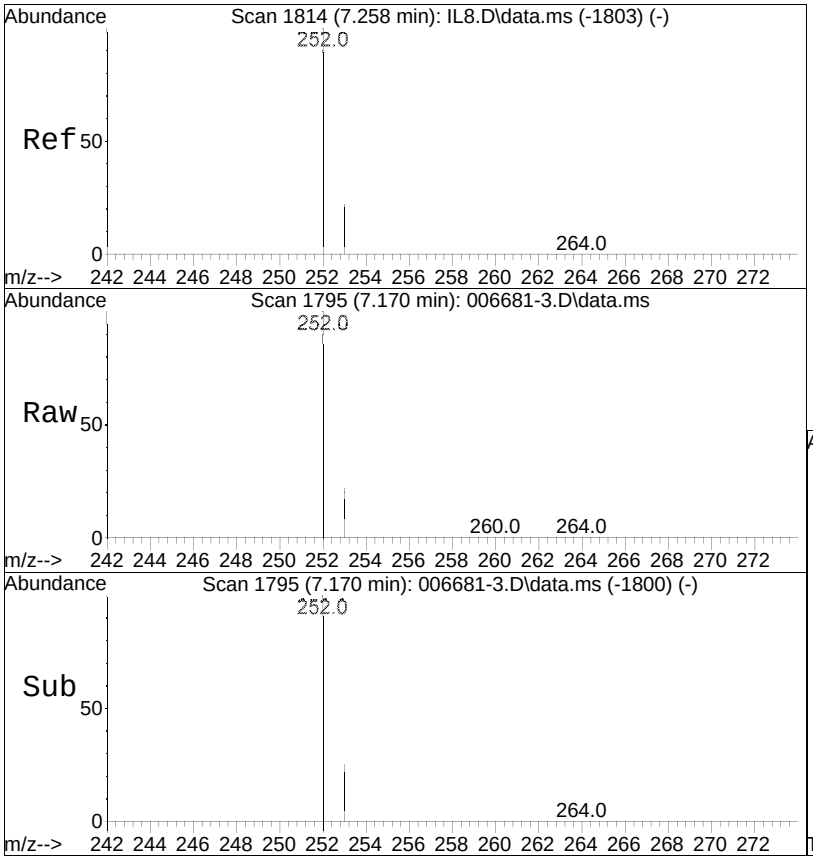


#34
Chrysene
Concen: 1916.80 ng/ml M2
RT: 6.338 min Scan# 1511
Delta R.T. -0.090 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:228 Resp: 1279991

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6

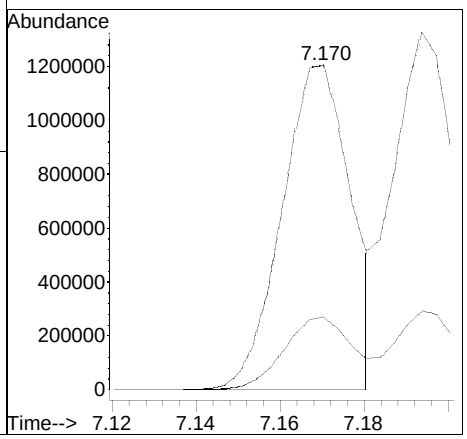


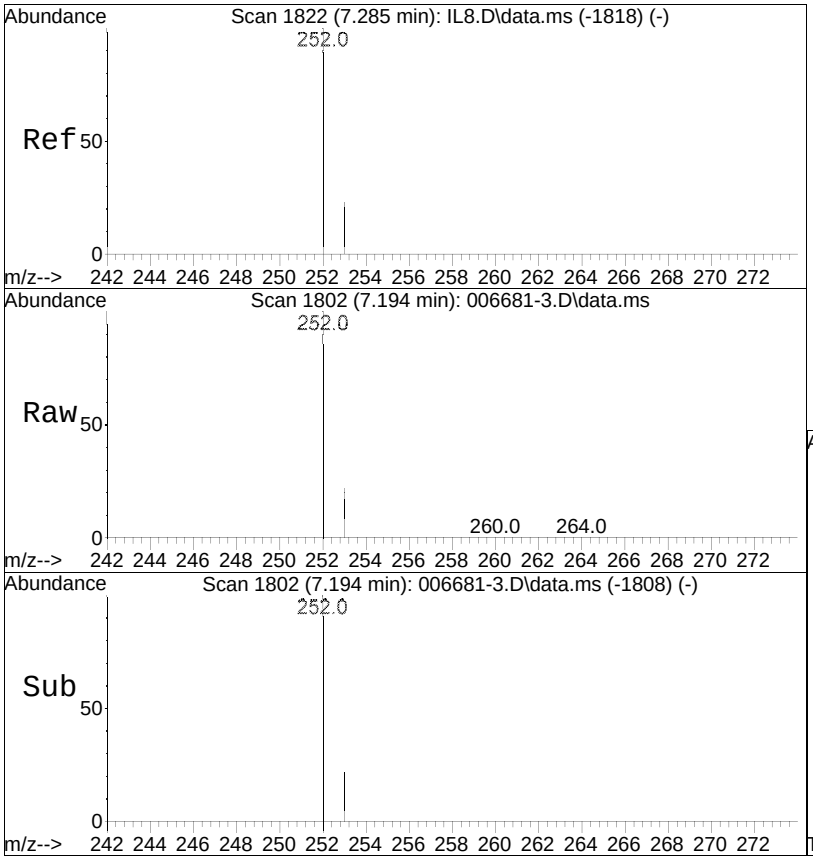


#37
Benzo[b]fluoranthene
Concen: 1869.40 ng/ml M2
RT: 7.170 min Scan# 1795
Delta R.T. -0.096 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:252 Resp: 1369750

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4

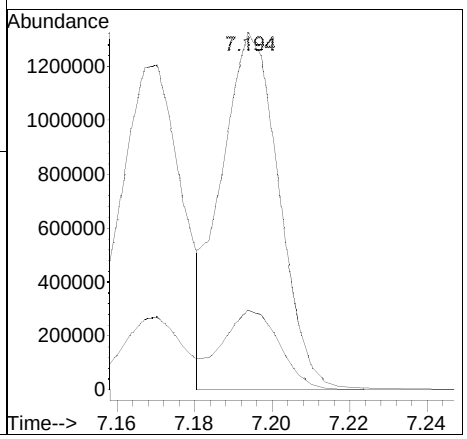


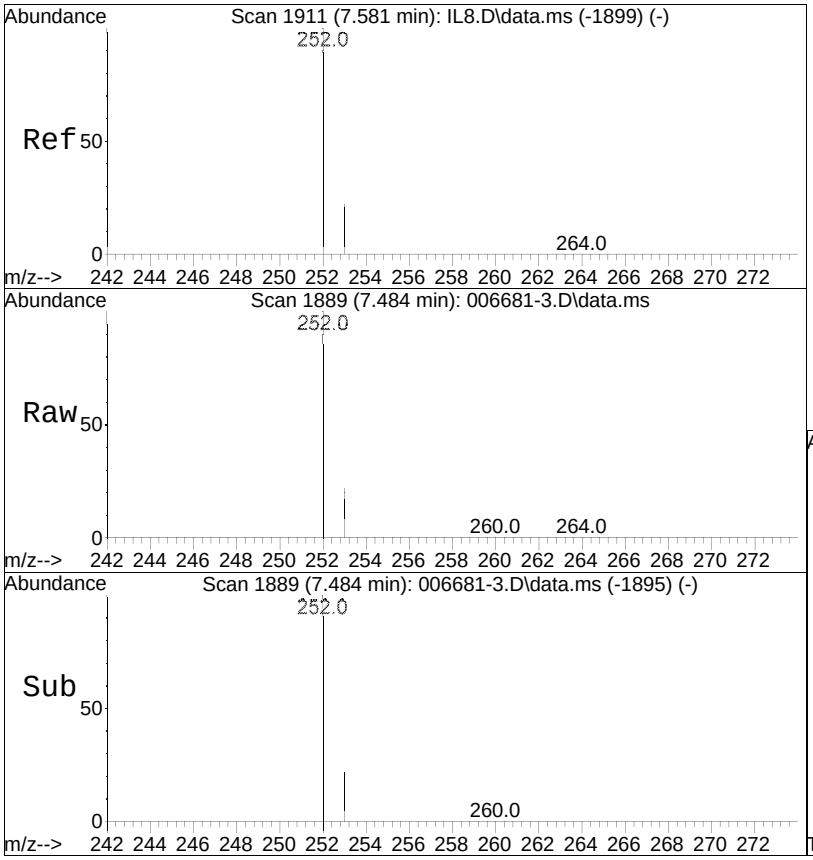


#38
Benzo[k]fluoranthene
Concen: 2040.42 ng/ml M2
RT: 7.194 min Scan# 1802
Delta R.T. -0.099 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:252 Resp: 1366321

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8

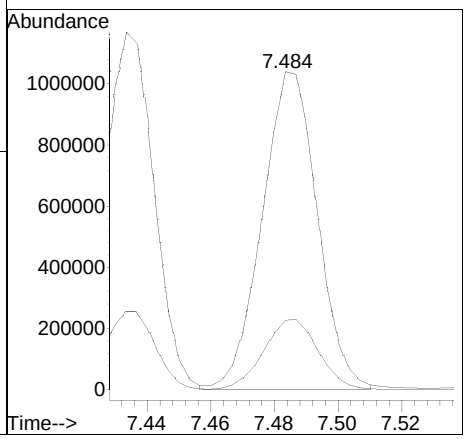


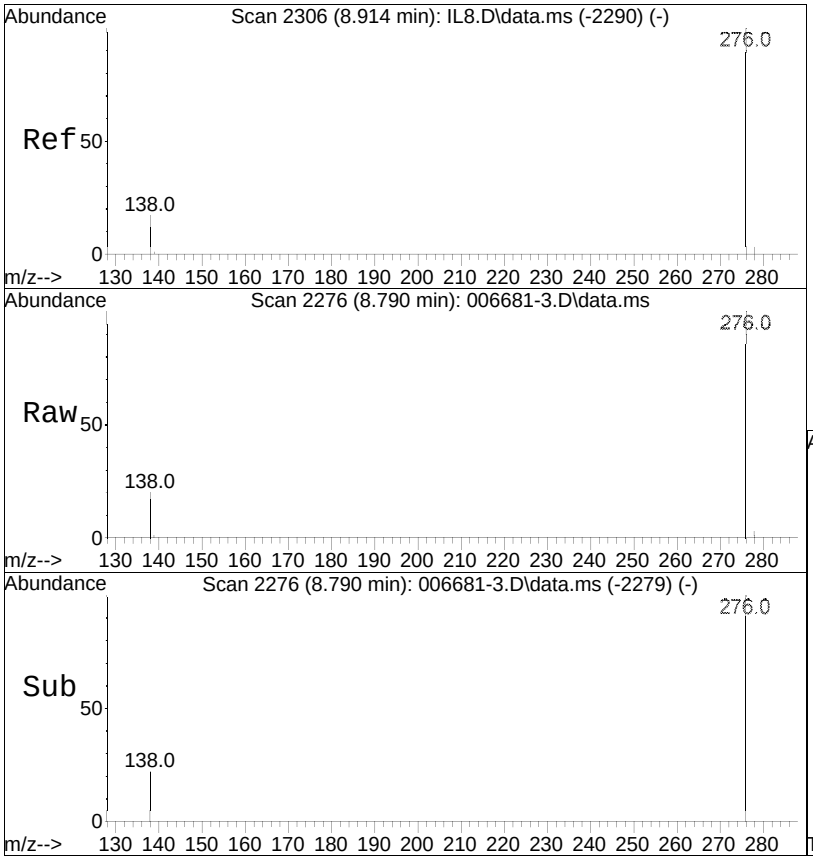


#39
Benzo[a]pyrene
Concen: 2057.81 ng/ml M3
RT: 7.484 min Scan# 1889
Delta R.T. -0.099 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:252 Resp: 1250539

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3

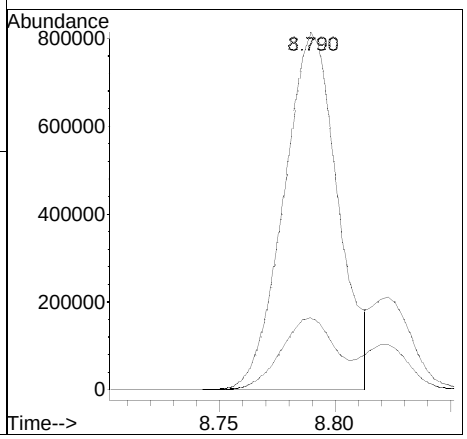


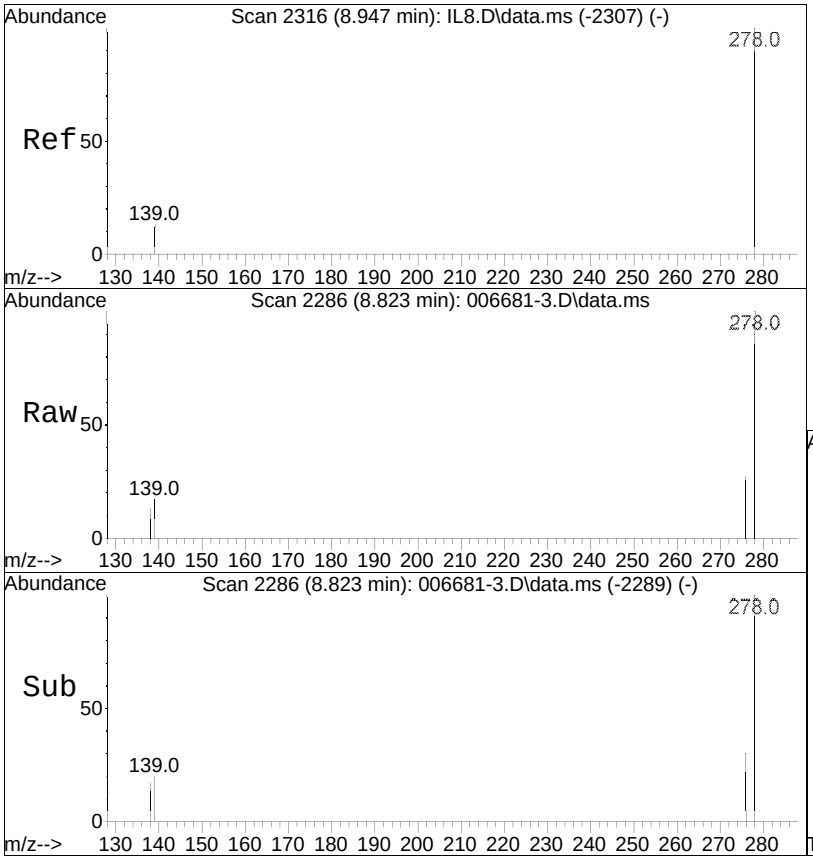


#40
Indeno[1,2,3-cd]pyrene
Concen: 2017.55 ng/ml M2
RT: 8.790 min Scan# 2276
Delta R.T. -0.089 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:276 Resp: 1316768

Ion	Ratio	Lower	Upper
276	100		
138	19.0	13.3	19.9

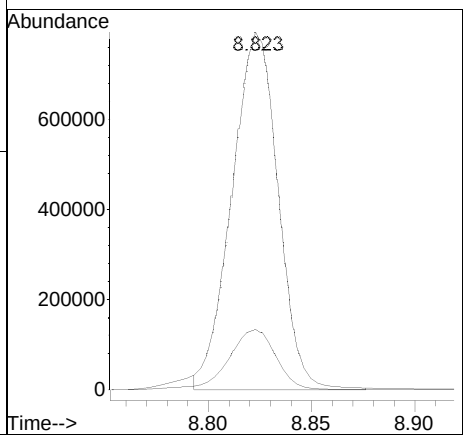


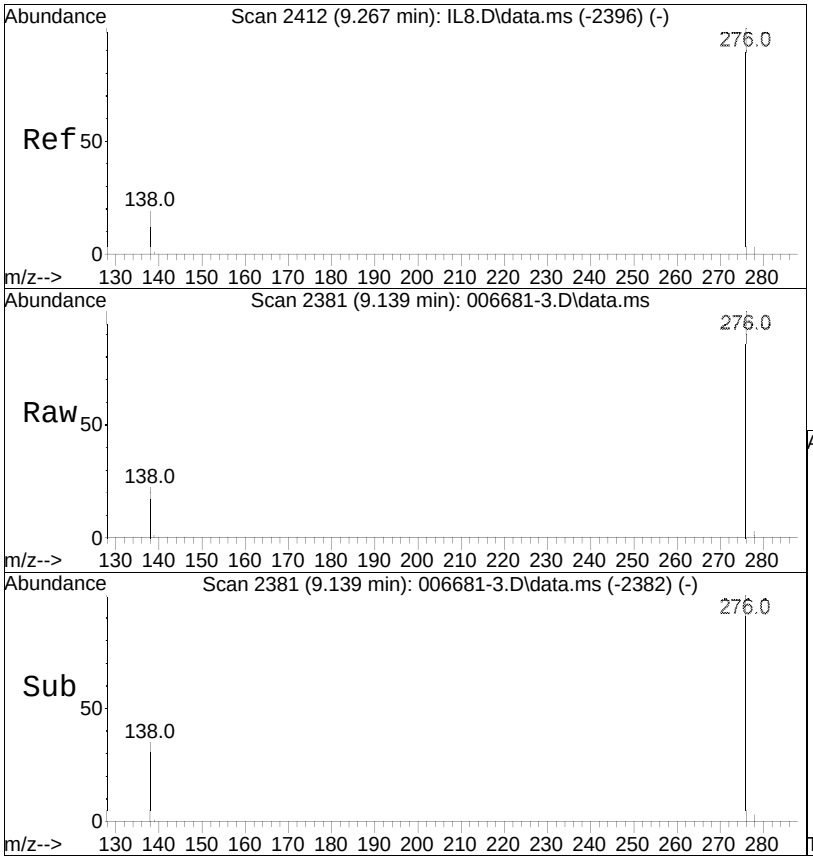


#41
Dibenzo[a,h]anthracene
Concen: 2045.47 ng/ml M2
RT: 8.823 min Scan# 2286
Delta R.T. -0.089 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:278 Resp: 1229656

Ion	Ratio	Lower	Upper
278	100		
139	16.5	11.1	16.7

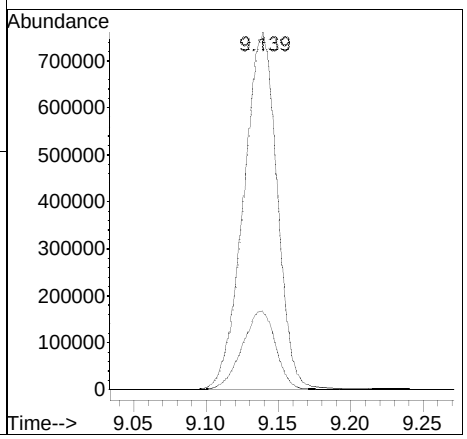




#42
Benzo[g,h,i]perylene
Concen: 1922.24 ng/ml M2
RT: 9.139 min Scan# 2381
Delta R.T. -0.082 min
Lab File: 006681-3.D
Acq: 09 Dec 2024 11:30 am

Tgt Ion:276 Resp: 1218953

Ion	Ratio	Lower	Upper
276	100		
138	21.9	14.6	22.0

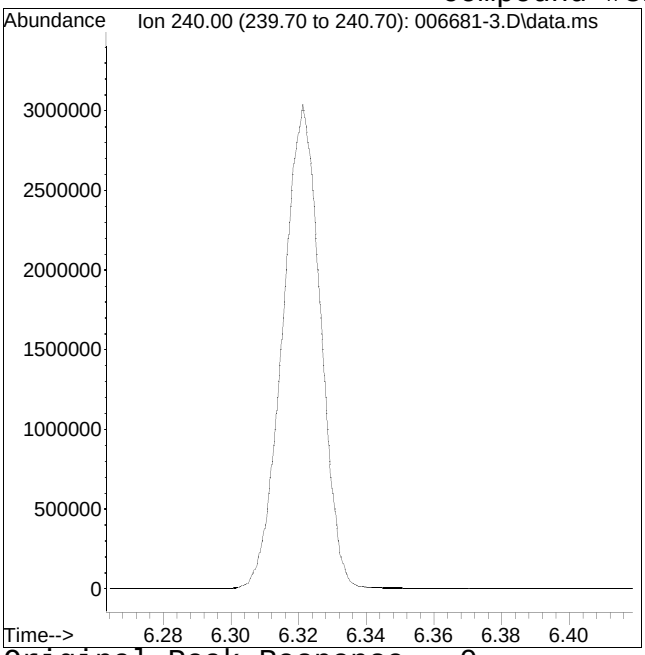


Manual Integration Report

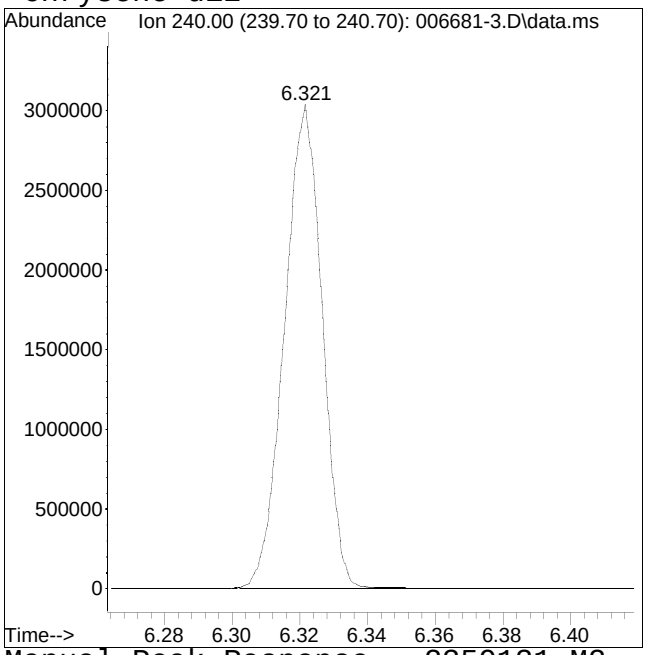
Data Path : I:\8270SIM\SV125\241209aRVQ
Data File : 006681-3.D
Date Inj'd : 12/9/2024 11:30 am
Sample : WG2006681-3,32,,kmh

Method : SIM-RVT_241105n_sv125.M
Operator : SV125:kmh
Instrument : SV125
Quant Date : 12/9/2024 11:45 am

Compound #31: Chrysene-d12



Original Peak Response = 0



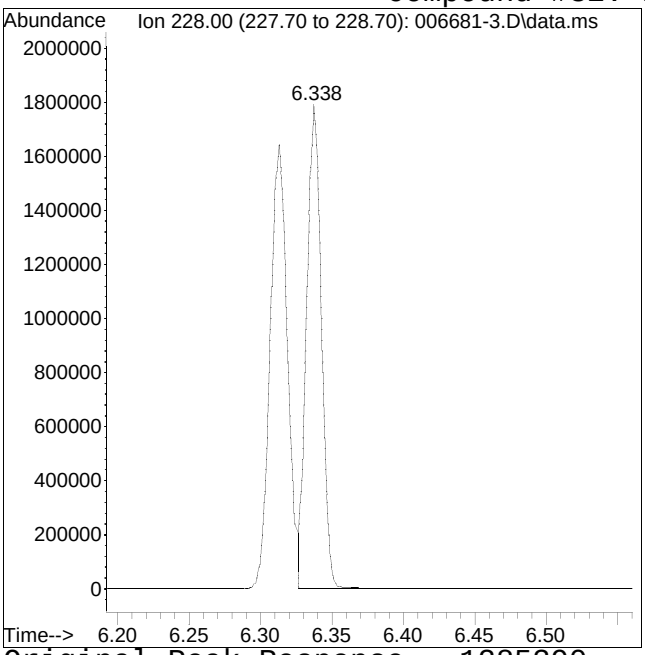
Manual Peak Response = 2359131 M2

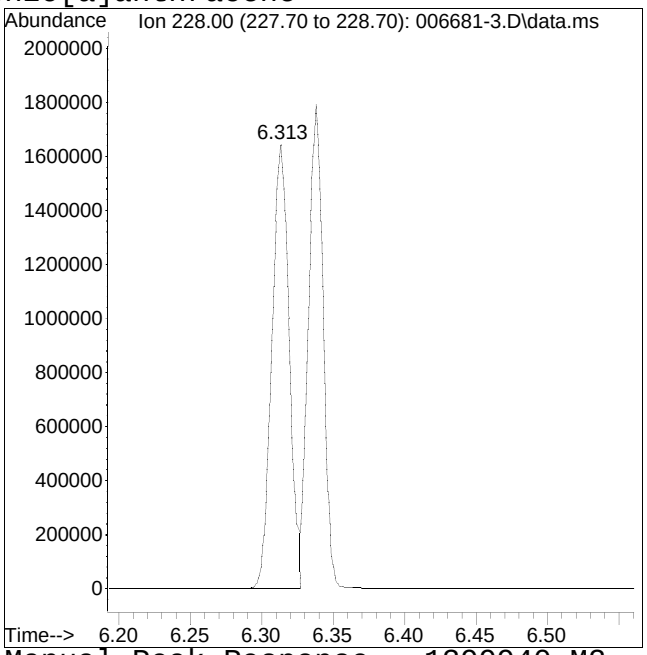
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-3.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:30 am Instrument : SV125
Sample : WG2006681-3,32,,kmh Quant Date : 12/9/2024 11:45 am

Compound #32: Benzo[a]anthracene



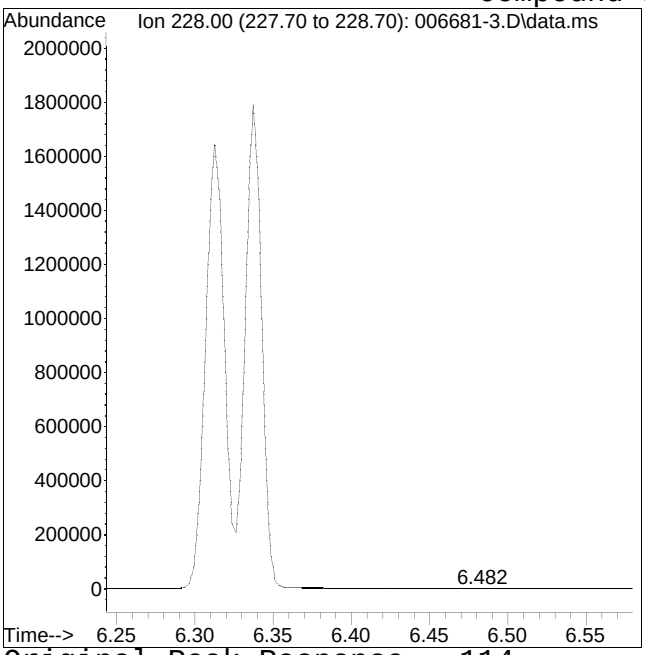


Original Peak Response = 1285390 Manual Peak Response = 1399940 M2
M2 = Peak not found by automatic integration algorithm.

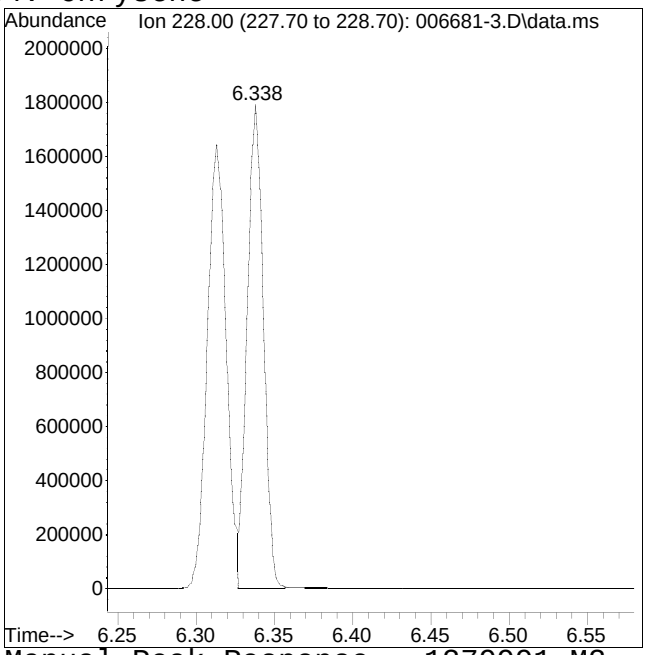
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-3.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:30 am Instrument : SV125
Sample : WG2006681-3,32,,kmh Quant Date : 12/9/2024 11:45 am

Compound #34: Chrysene



Original Peak Response = 114



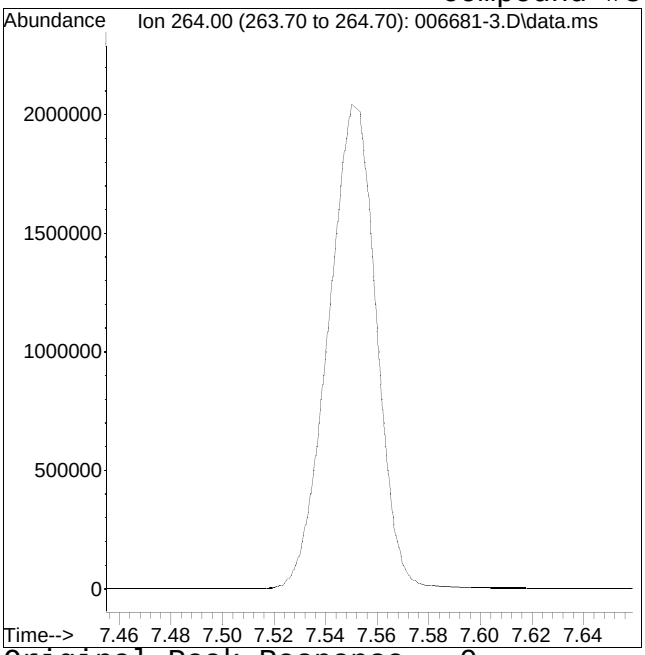
Manual Peak Response = 1279991 M2

M2 = Peak not found by automatic integration algorithm.

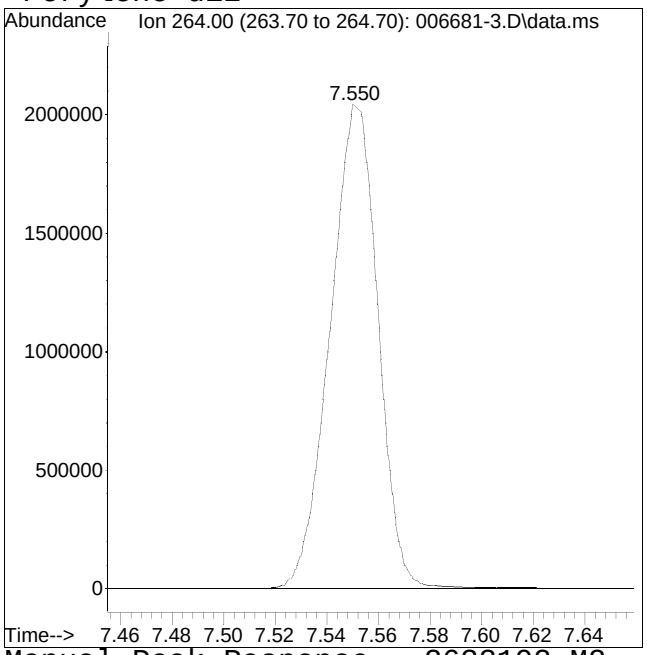
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-3.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:30 am Instrument : SV125
Sample : WG2006681-3,32,,kmh Quant Date : 12/9/2024 11:45 am

Compound #36: Perylene-d12



Original Peak Response = 0



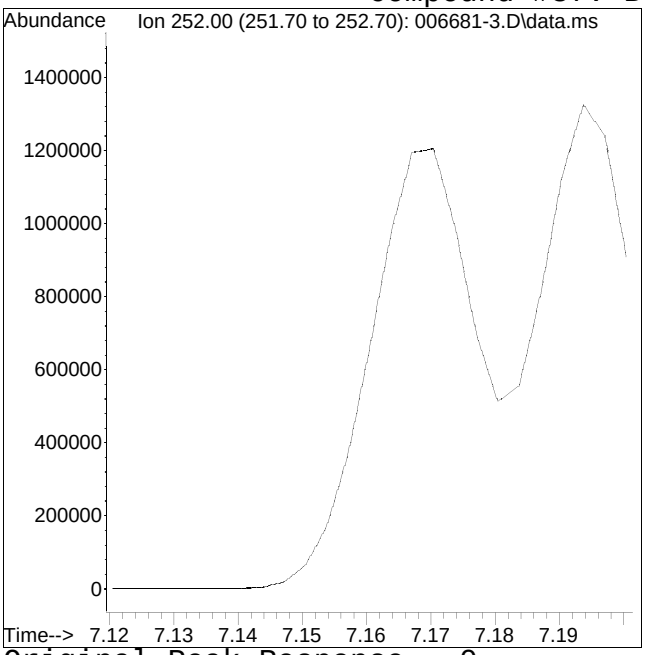
Manual Peak Response = 2633192 M2

M2 = Peak not found by automatic integration algorithm.

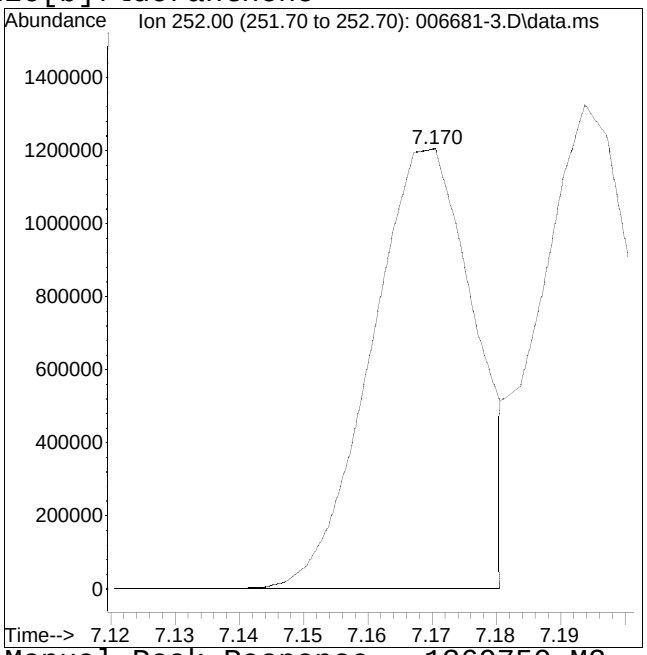
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-3.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:30 am Instrument : SV125
Sample : WG2006681-3,32,,kmh Quant Date : 12/9/2024 11:45 am

Compound #37: Benzo[b]fluoranthene



Original Peak Response = 0



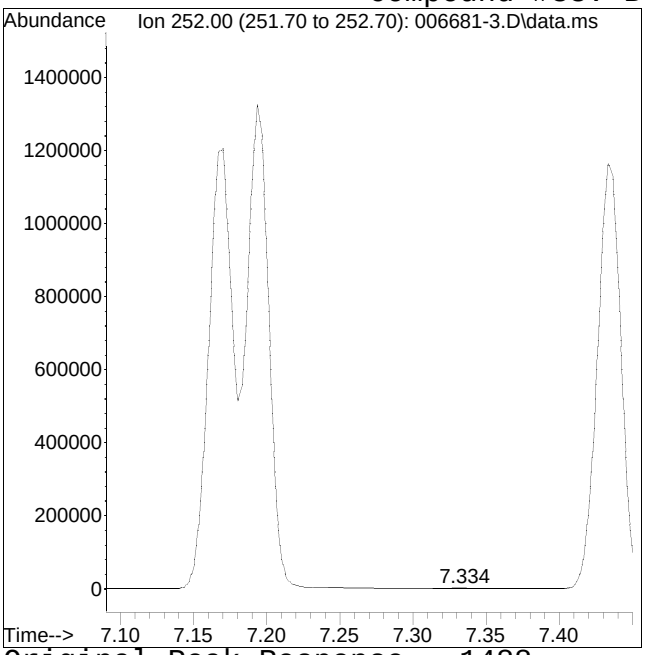
Manual Peak Response = 1369750 M2

M2 = Peak not found by automatic integration algorithm.

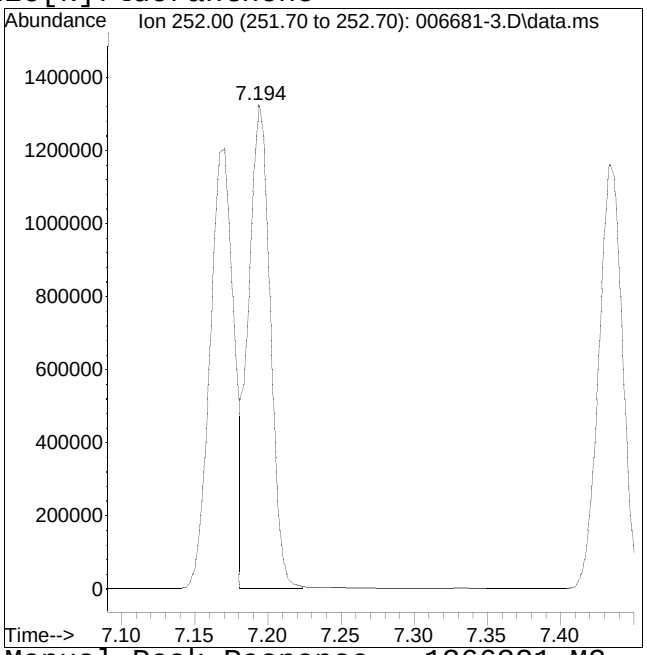
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-3.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:30 am Instrument : SV125
Sample : WG2006681-3,32,,kmh Quant Date : 12/9/2024 11:45 am

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 1488



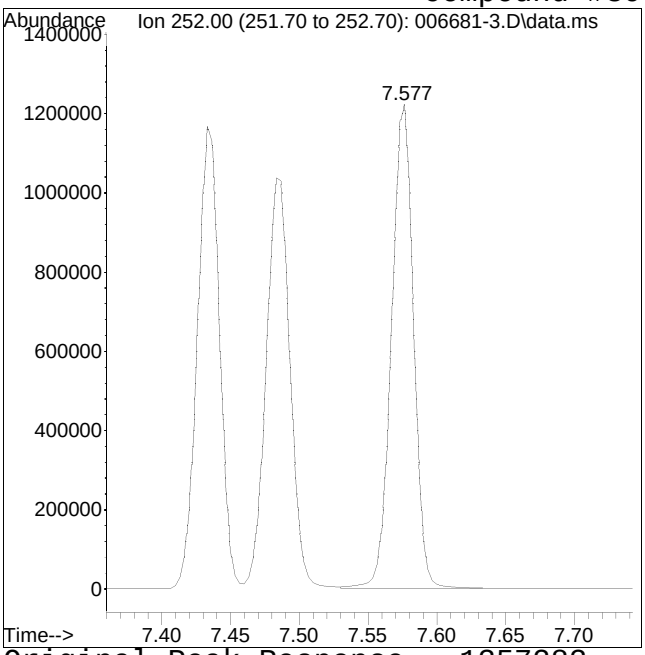
Manual Peak Response = 1366321 M2

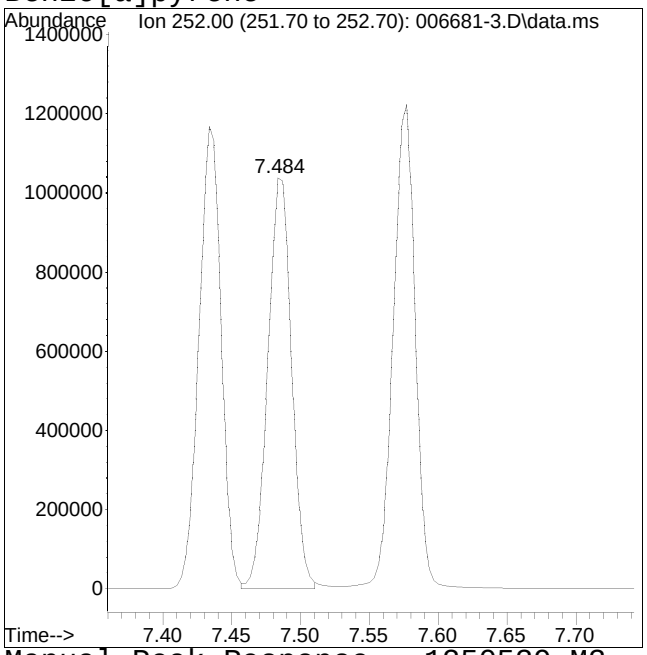
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-3.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:30 am Instrument : SV125
Sample : WG2006681-3,32,,kmh Quant Date : 12/9/2024 11:45 am

Compound #39: Benzo[a]pyrene



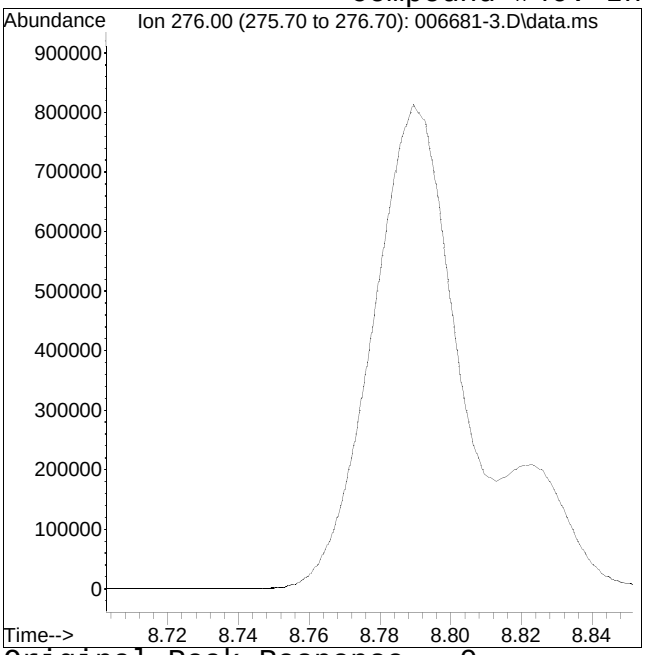


Original Peak Response = 1357283 Manual Peak Response = 1250539 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

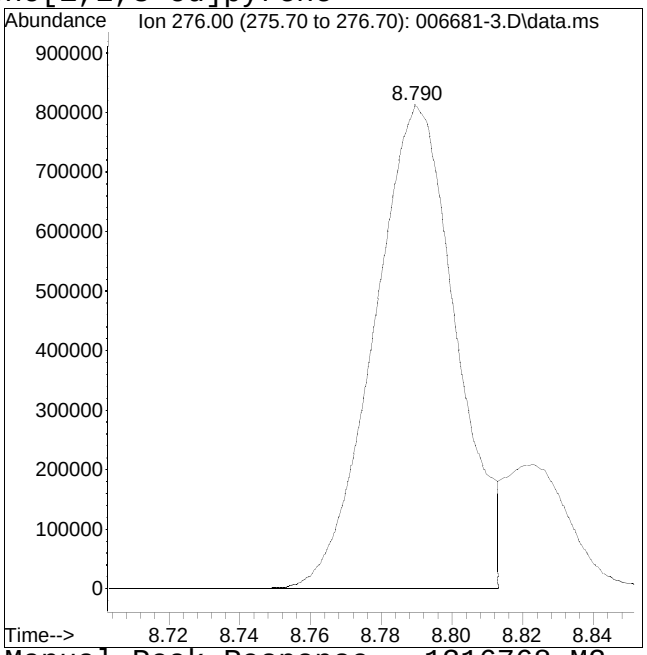
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-3.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:30 am Instrument : SV125
Sample : WG2006681-3,32,,kmh Quant Date : 12/9/2024 11:45 am

Compound #40: Indeno[1,2,3-cd]pyrene



Original Peak Response = 0



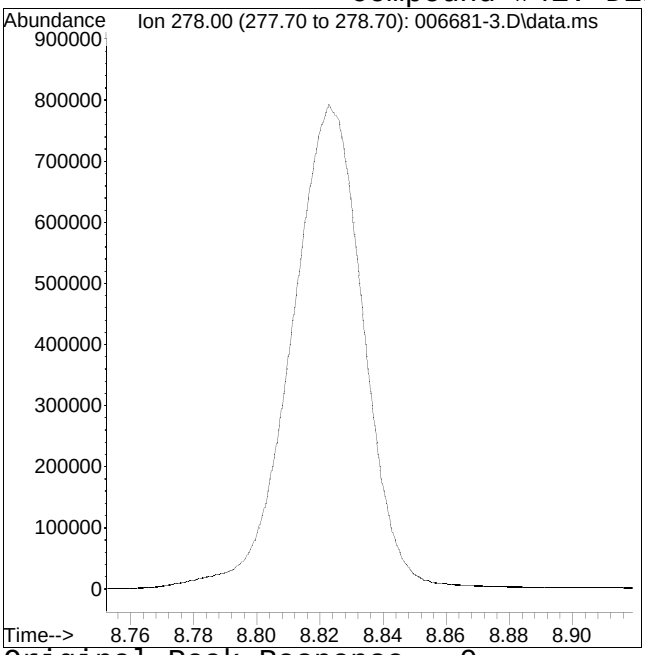
Manual Peak Response = 1316768 M2

M2 = Peak not found by automatic integration algorithm.

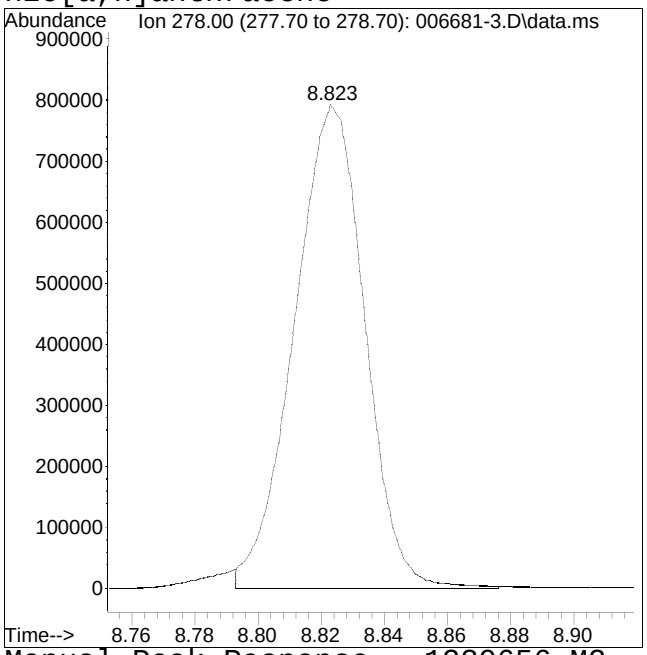
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-3.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:30 am Instrument : SV125
Sample : WG2006681-3,32,,kmh Quant Date : 12/9/2024 11:45 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 0



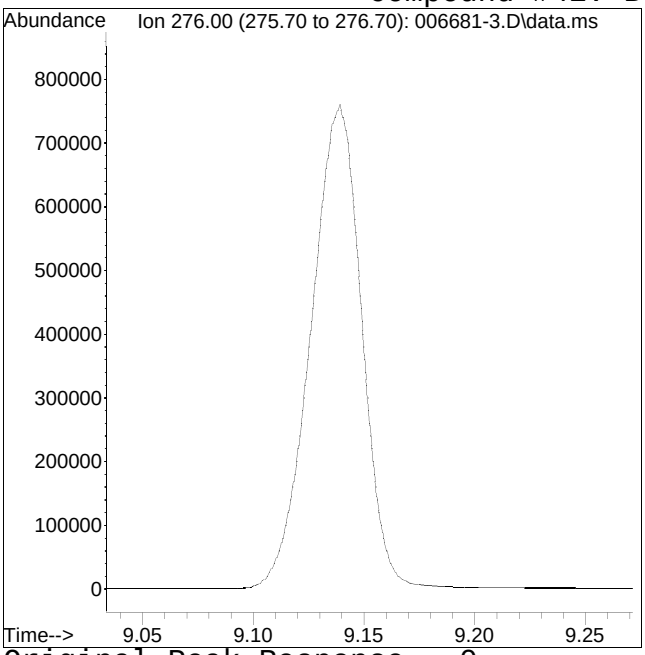
Manual Peak Response = 1229656 M2

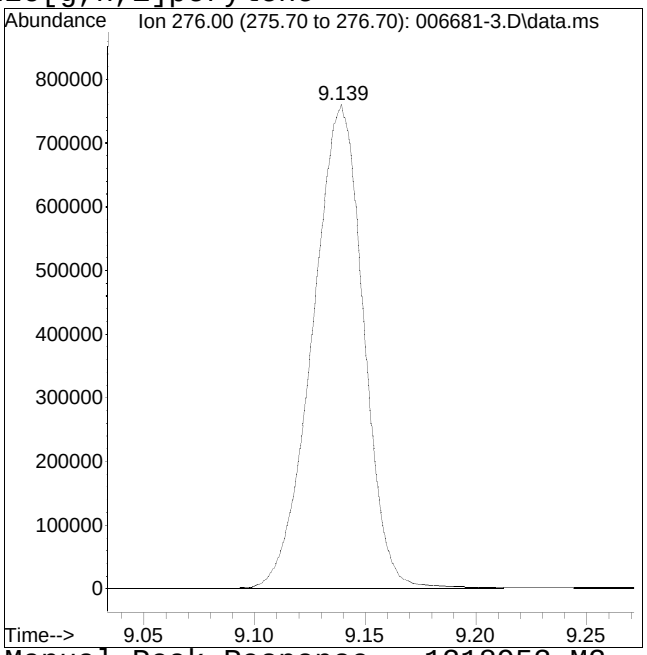
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-3.D Operator : SV125:kmh
Date Inj'd : 12/9/2024 11:30 am Instrument : SV125
Sample : WG2006681-3,32,,kmh Quant Date : 12/9/2024 11:45 am

Compound #42: Benzo[g,h,i]perylene





Original Peak Response = 0 Manual Peak Response = 1218953 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-4.D
Acq On : 05 Dec 2024 02:00 pm
Operator : SV125:dv
Sample : WG2005370-4,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 06 11:09:42 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.291	152	692754	4000.000	ng/ml	0.00
Standard Area 1 = 632709			Recovery	= 109.49%		
8) Naphthalene-d8	2.953	136	2623695	4000.000	ng/ml	0.00
Standard Area 1 = 2356386			Recovery	= 111.34%		
17) Acenaphthene-d10	3.928	164	1520338	4000.000	ng/ml	0.00
Standard Area 1 = 1484083			Recovery	= 102.44%		
22) Phenanthrene-d10	4.766	188	3017576	4000.000	ng/ml	0.00
Standard Area 1 = 3199114			Recovery	= 94.33%		
31) Chrysene-d12	6.311	240	3031403	4000.000	ng/ml	0.00
Standard Area 1 = 3334220			Recovery	= 90.92%		
36) Perylene-d12	7.537	264	3498330	4000.000	ng/ml	-0.01
Standard Area 1 = 3903811			Recovery	= 89.61%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.710	112	221036	1187.467	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 59.37%		
3) Phenol-d6	2.108	99	196843	835.525	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 41.78%		
7) Nitrobenzene-d5	2.572	82	184713	920.902	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 92.09%		
13) 2-Fluorobiphenyl	3.545	172	500294	857.174	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 85.72%		
21) 2,4,6-Tribromophenol	4.374	330	195432	2370.052	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 118.50%#		
30) 4-Terphenyl-d14	5.672	244	710952	1021.840	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 102.18%		
Target Compounds						Qvalue
6) Hexachloroethane	2.550	117	120754	1386.621	ng/ml	95
9) Naphthalene	2.963	128	1166677	1655.922	ng/ml#	81
10) Hexachlorobutadiene	3.034	225	179251	1244.392	ng/ml	100
11) 2-Methylnaphthalene	3.339	142	780908	1643.946	ng/ml	100
14) 2-Chloronaphthalene	3.611	162	838385	1685.288	ng/ml	93
16) Acenaphthylene	3.847	152	1373197	1944.793	ng/ml	100
18) Acenaphthene	3.944	153	962566	1964.205	ng/ml	98
20) Fluorene	4.234	166	1131226	2090.862	ng/ml	98
24) Hexachlorobenzene	4.554	284	407991	2108.595	ng/ml	96
25) Pentachlorophenol	4.664	266	269875	2354.828	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-4.D
Acq On : 05 Dec 2024 02:00 pm
Operator : SV125:dv
Sample : WG2005370-4,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 06 11:09:42 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.780	178	1872707	2245.558	ng/ml	100
27) Anthracene	4.809	178	1893182	2357.573	ng/ml	99
28) Fluoranthene	5.455	202	2275993	2376.210	ng/ml	97
29) Pyrene	5.585	202	2388413	2359.602	ng/ml	100
32) Benzo[a]anthracene	6.303	228	2459509	2692.053	ng/ml	100
34) Chrysene	6.330	228	2334224	2720.328	ng/ml	100
37) Benzo[b]fluoranthene	7.158	252	2481143	2548.788	ng/ml	95
38) Benzo[k]fluoranthene	7.181	252	2535797	2850.376	ng/ml	97
39) Benzo[a]pyrene	7.474	252	2232614	2765.306	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.777	276	2538570	2927.699	ng/ml#	92
41) Dibenzo[a,h]anthracene	8.807	278	2308230M6	2890.085	ng/ml	
42) Benzo[g,h,i]perylene	9.126	276	2333722	2770.071	ng/ml#	91

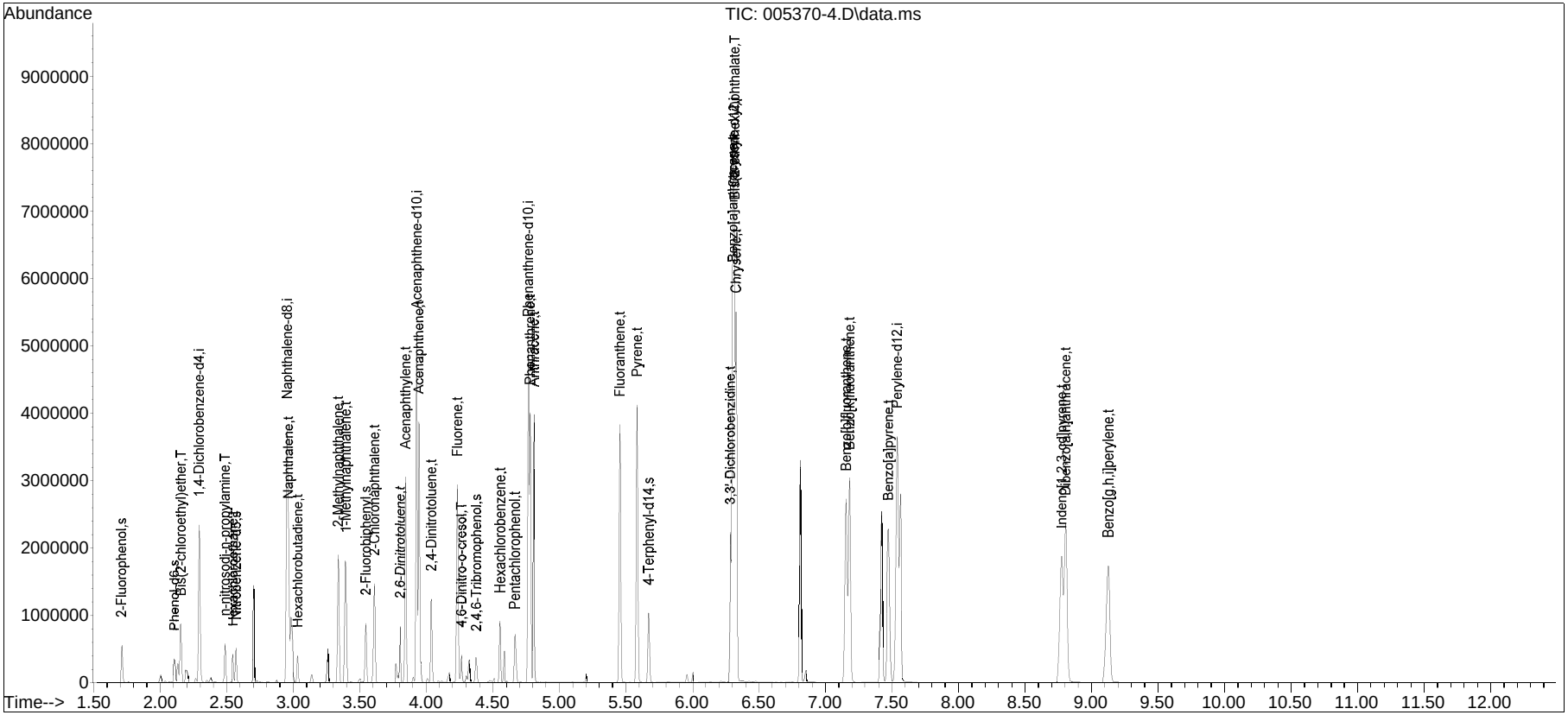
(#) = qualifier out of range (m) = manual integration (+) = signals summed

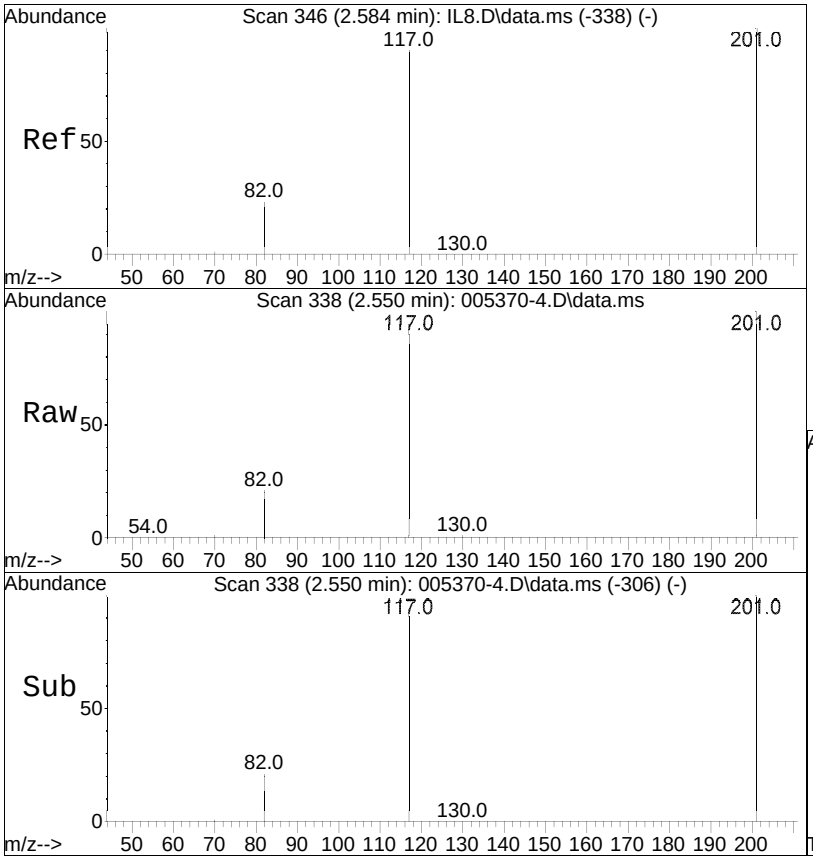
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-4.D
Acq On : 05 Dec 2024 02:00 pm
Operator : SV125:dv
Sample : WG2005370-4,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 06 11:09:42 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•

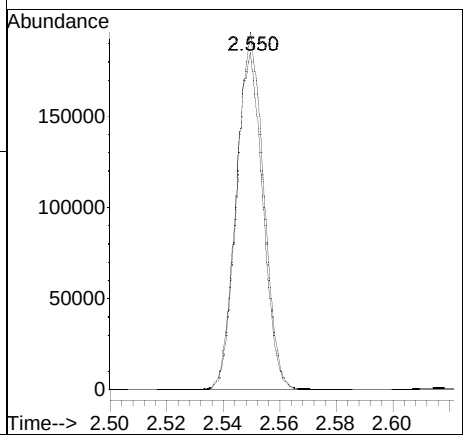


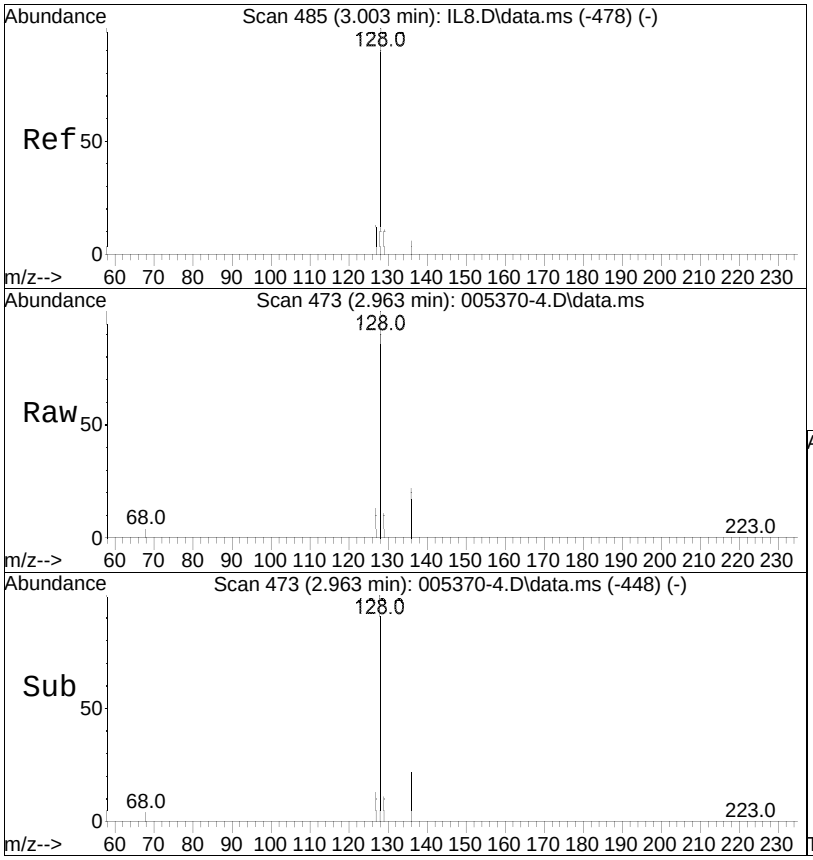


#6
Hexachloroethane
Concen: 1386.62 ng/ml
RT: 2.550 min Scan# 338
Delta R.T. 0.009 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:117 Resp: 120754

Ion	Ratio	Lower	Upper
117	100		
201	105.1	88.0	132.0

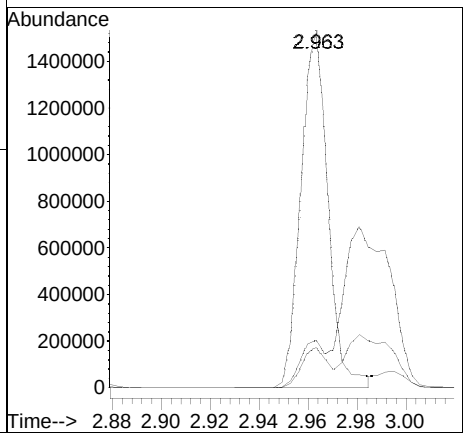


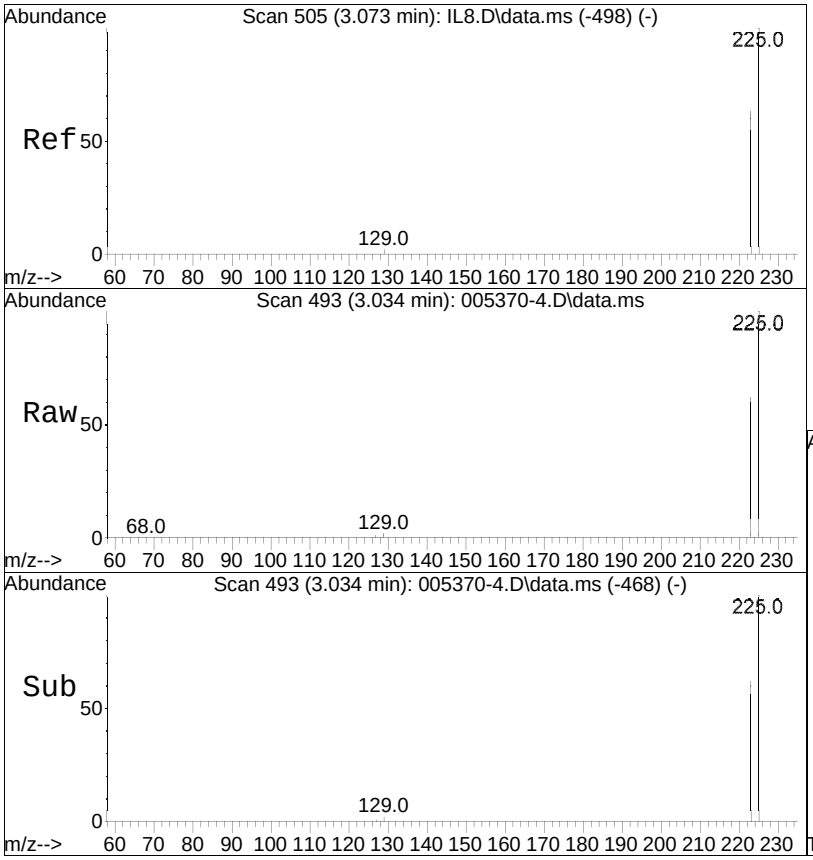


#9
Naphthalene
Concen: 1655.92 ng/ml
RT: 2.963 min Scan# 473
Delta R.T. 0.007 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:128 Resp: 1166677

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	0.0	10.9	16.3#

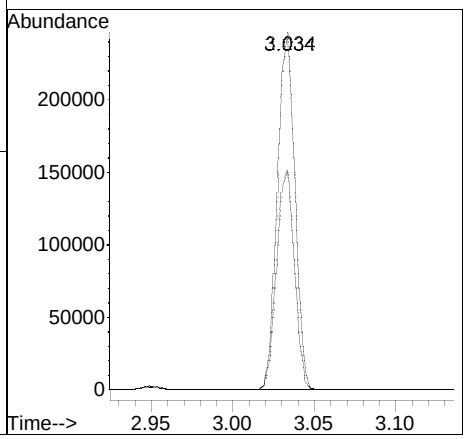


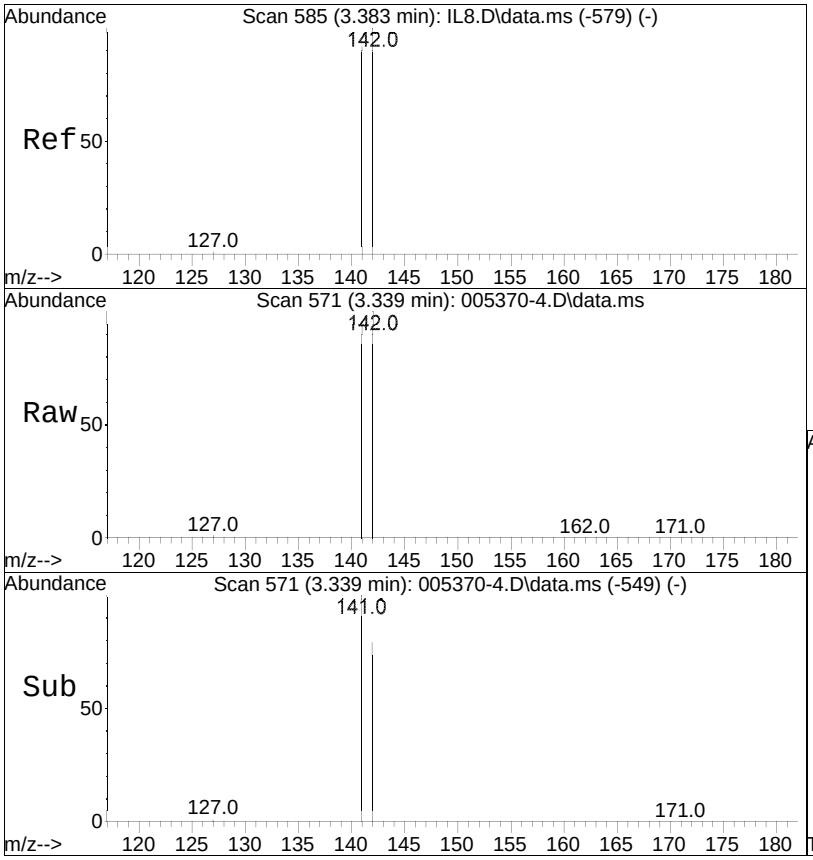


#10
Hexachlorobutadiene
Concen: 1244.39 ng/ml
RT: 3.034 min Scan# 493
Delta R.T. 0.007 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:225 Resp: 179251

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.3	75.5

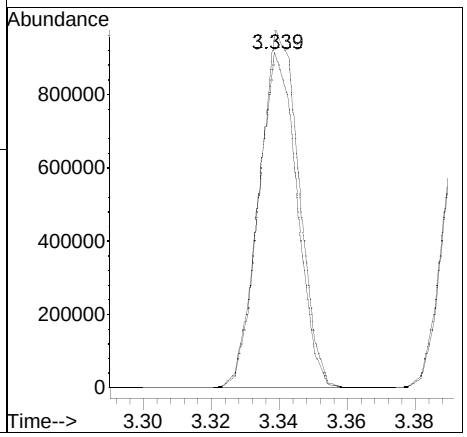


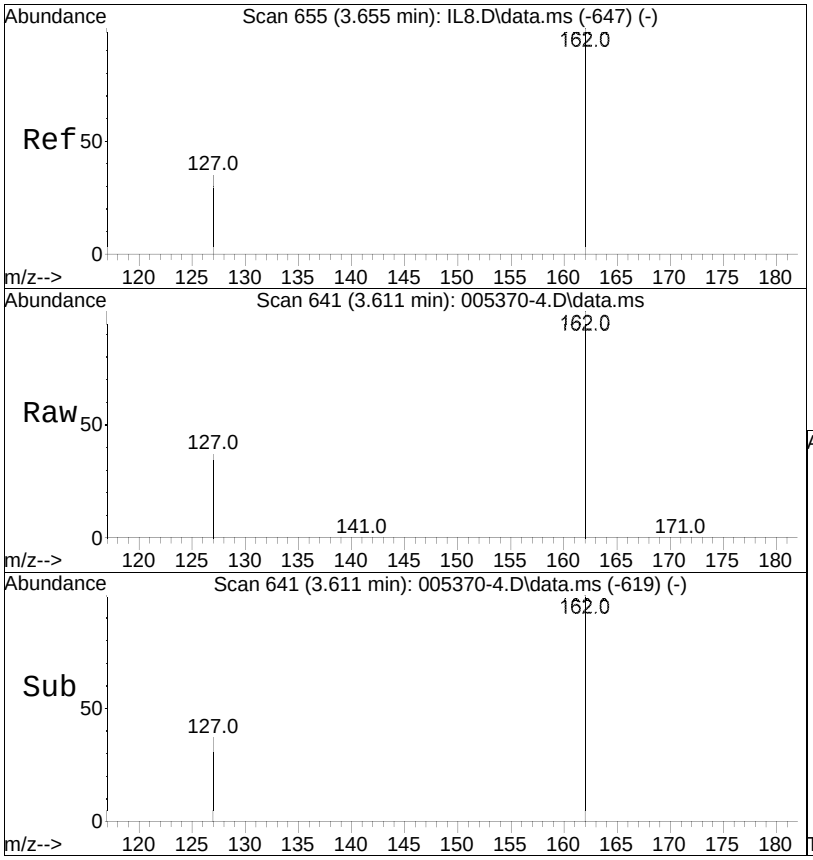


#11
2-Methylnaphthalene
Concen: 1643.95 ng/ml
RT: 3.339 min Scan# 571
Delta R.T. 0.004 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:142 Resp: 780908

Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.0	111.0

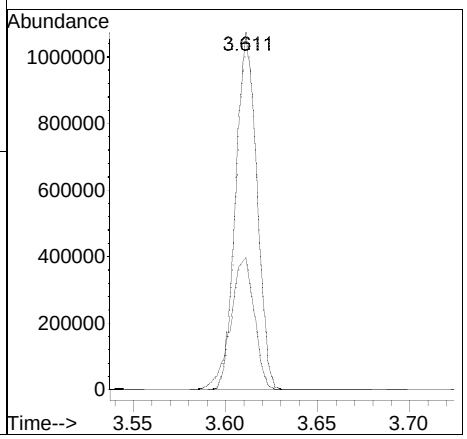


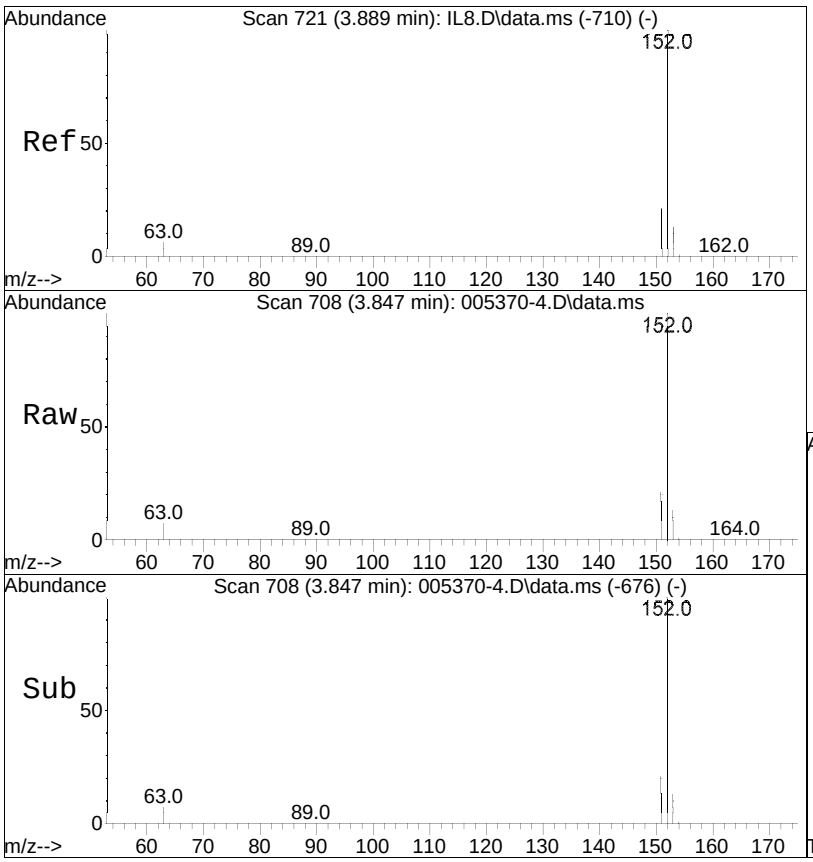


#14
2-Chloronaphthalene
Concen: 1685.29 ng/ml
RT: 3.611 min Scan# 641
Delta R.T. 0.004 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:162 Resp: 838385

Ion	Ratio	Lower	Upper
162	100		
127	41.8	30.1	45.1

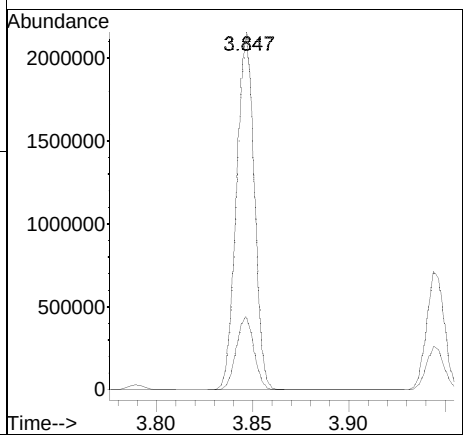


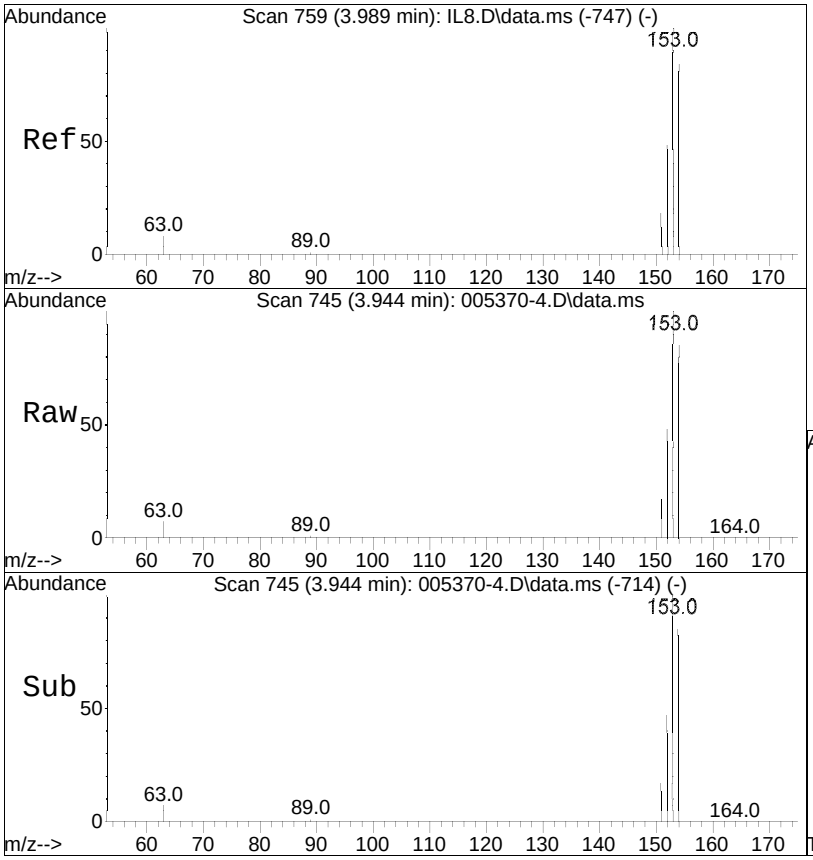


#16
Acenaphthylene
Concen: 1944.79 ng/ml
RT: 3.847 min Scan# 708
Delta R.T. 0.004 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:152 Resp: 1373197

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.5	24.7

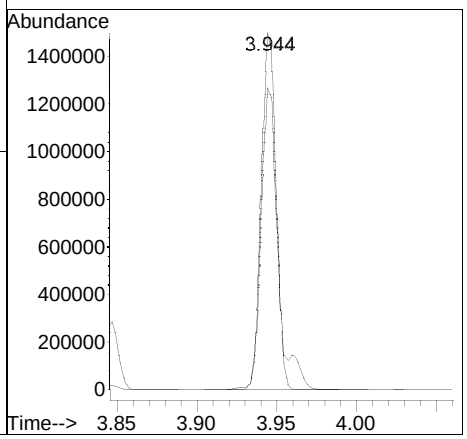


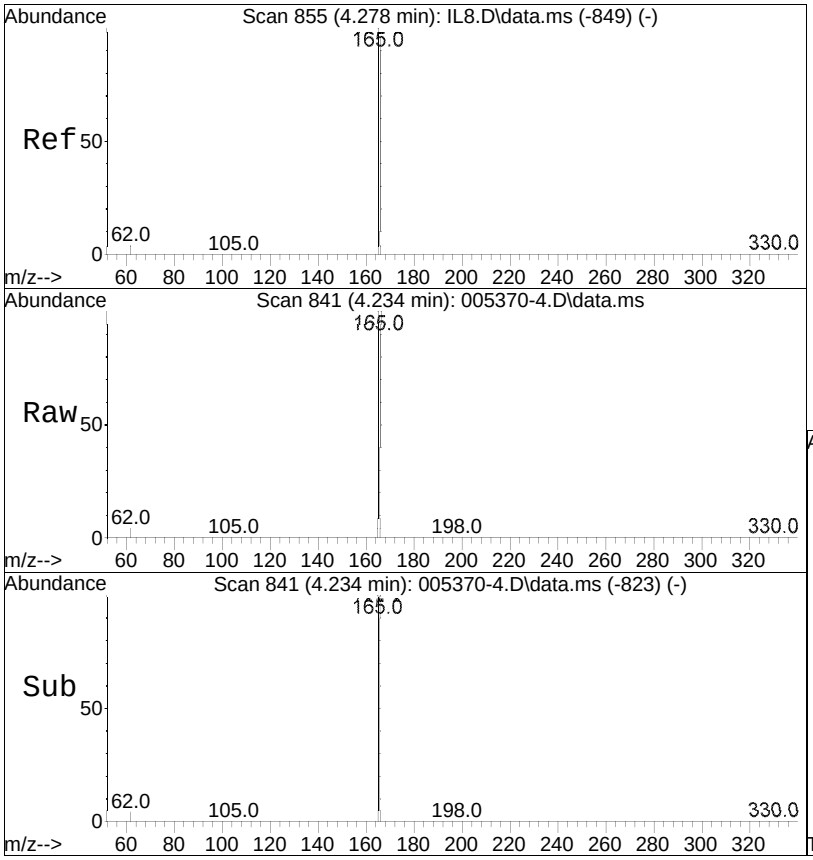


#18
Acenaphthene
Concen: 1964.20 ng/ml
RT: 3.944 min Scan# 745
Delta R.T. 0.002 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:153 Resp: 962566

Ion	Ratio	Lower	Upper
153	100		
154	95.6	74.9	112.3

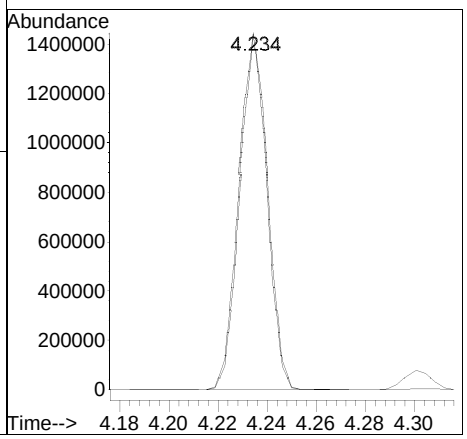


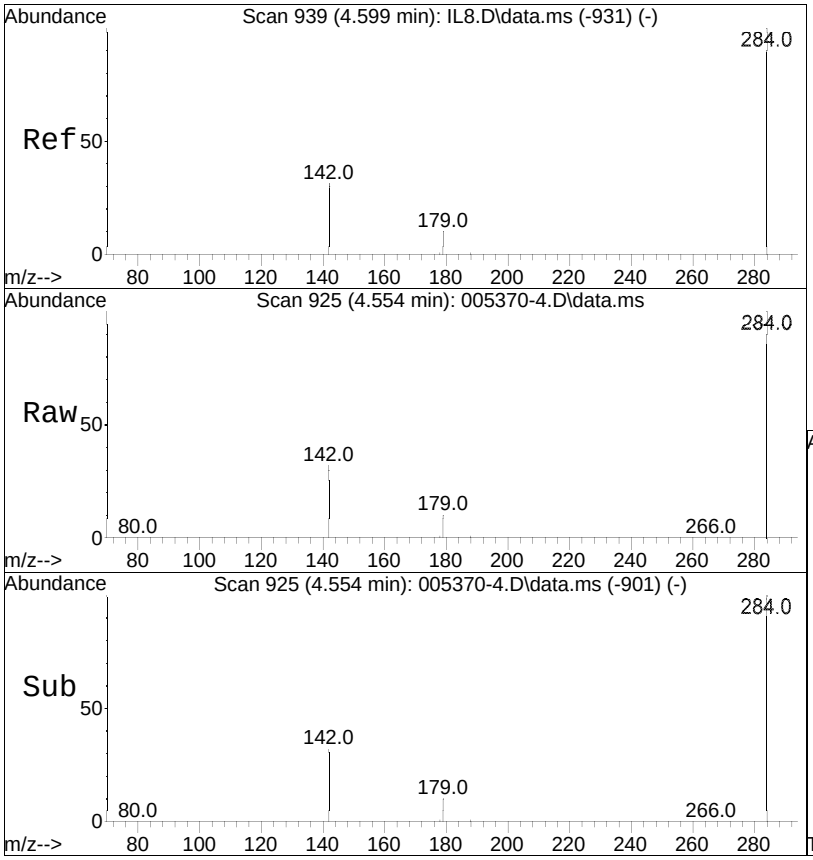


#20
Fluorene
Concen: 2090.86 ng/ml
RT: 4.234 min Scan# 841
Delta R.T. 0.002 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:166 Resp: 1131226

Ion	Ratio	Lower	Upper
166	100		
165	100.6	82.2	123.4

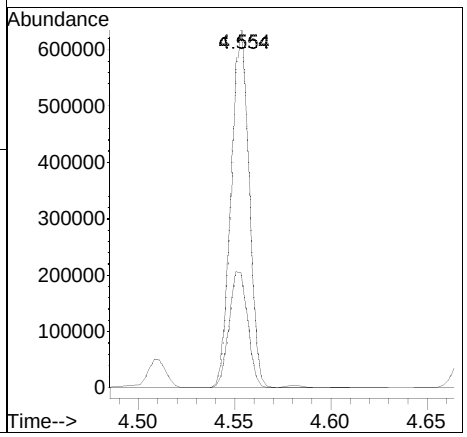


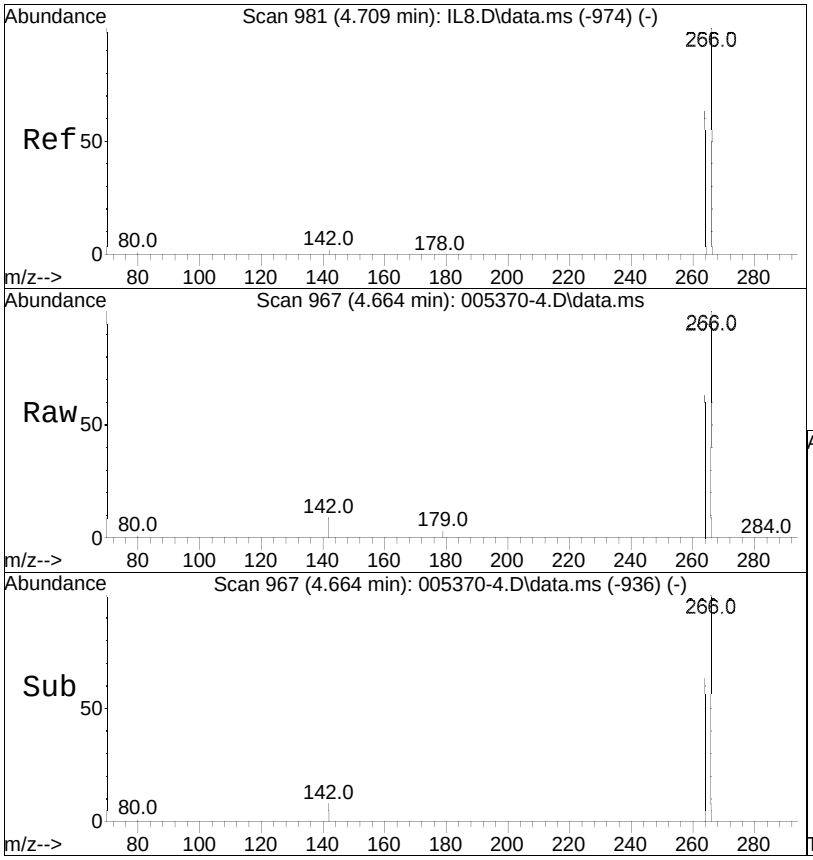


#24
Hexachlorobenzene
Concen: 2108.60 ng/ml
RT: 4.554 min Scan# 925
Delta R.T. 0.004 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:284 Resp: 407991

Ion	Ratio	Lower	Upper
284	100		
142	33.8	25.4	38.0

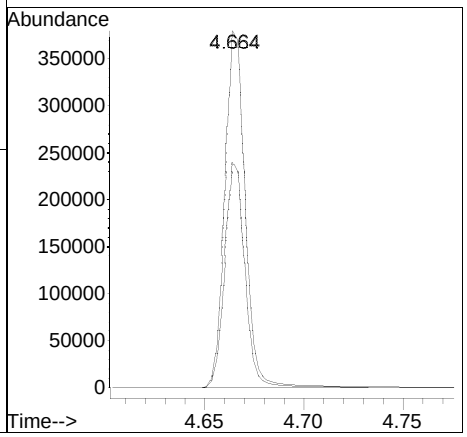


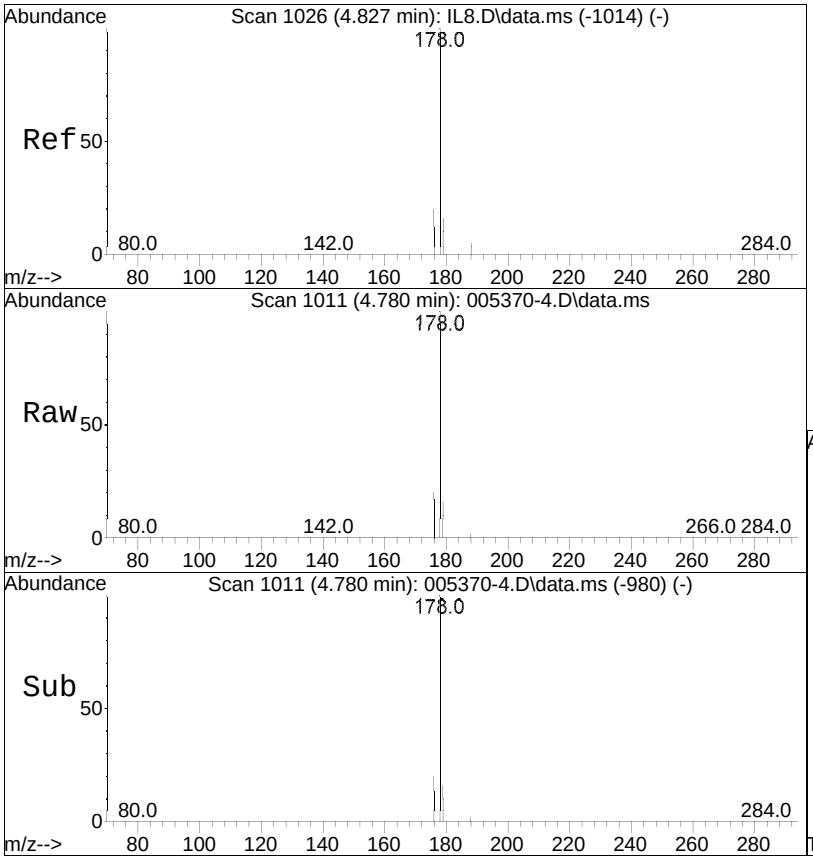


#25
Pentachlorophenol
Concen: 2354.83 ng/ml
RT: 4.664 min Scan# 967
Delta R.T. 0.002 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:266 Resp: 269875

Ion	Ratio	Lower	Upper
266	100		
264	63.0	50.6	76.0

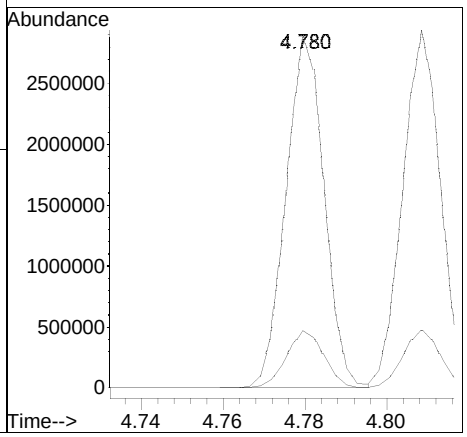


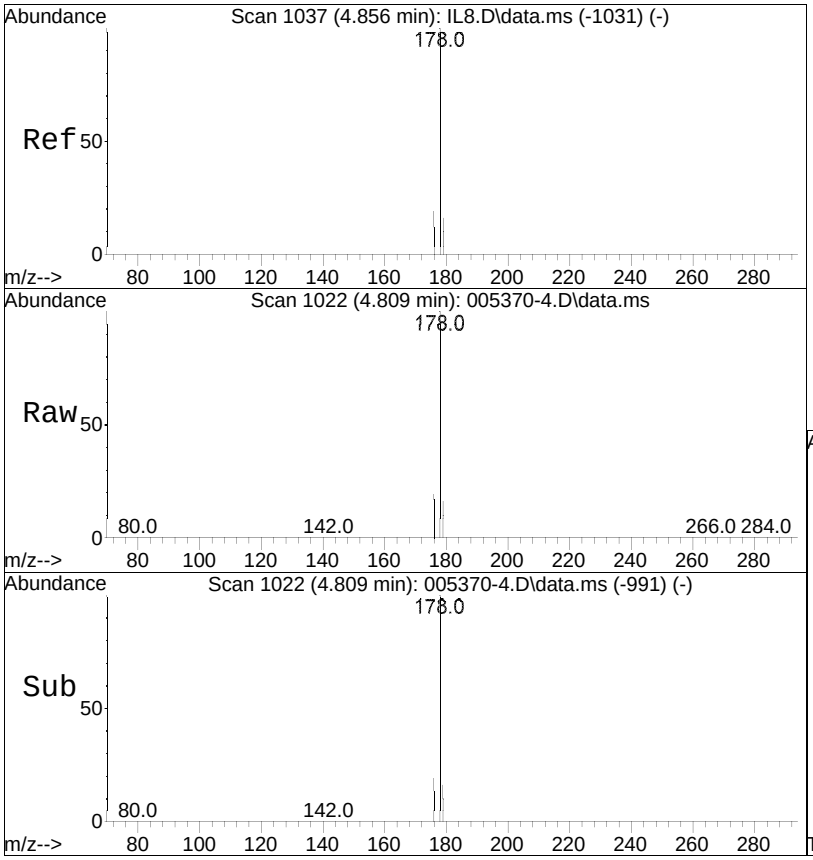


#26
Phenanthrene
Concen: 2245.56 ng/ml
RT: 4.780 min Scan# 1011
Delta R.T. 0.002 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:178 Resp: 1872707

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.8	19.2

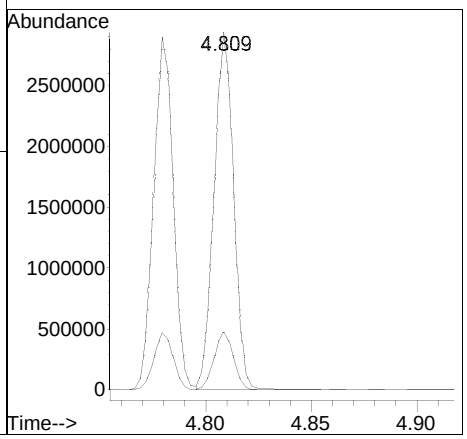


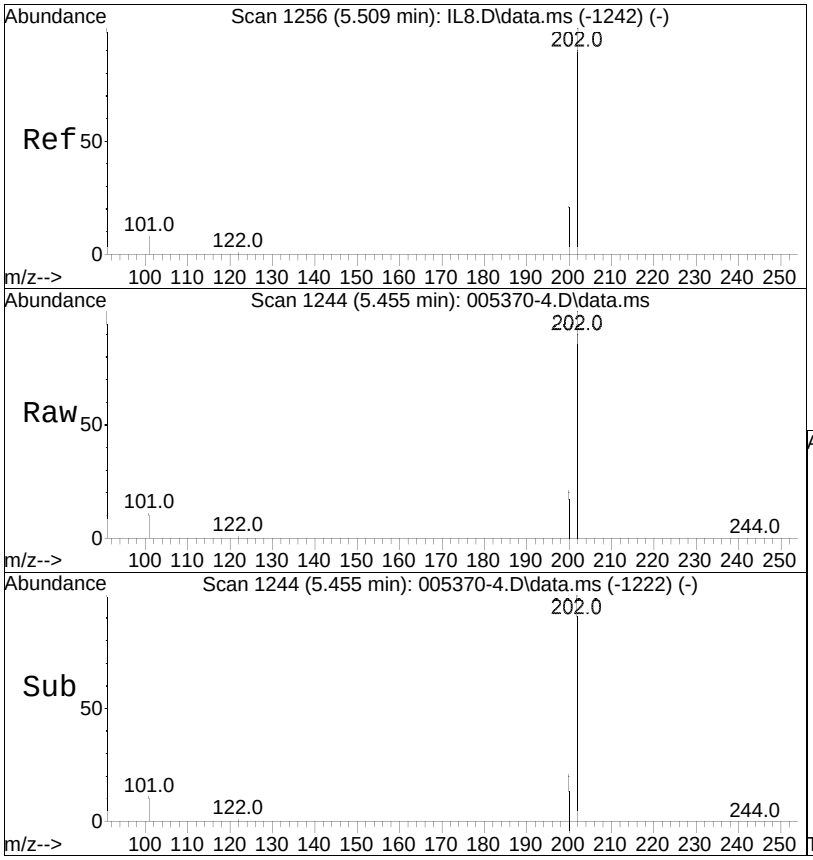


#27
Anthracene
Concen: 2357.57 ng/ml
RT: 4.809 min Scan# 1022
Delta R.T. 0.002 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:178 Resp: 1893182

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.6	18.8

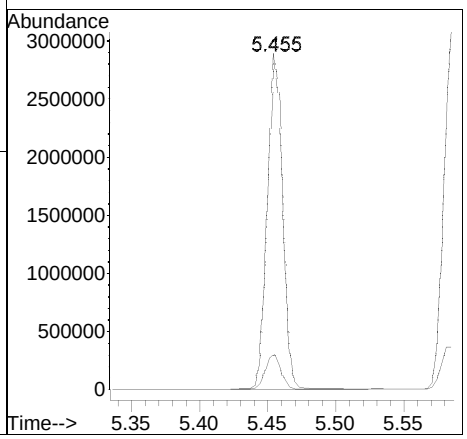


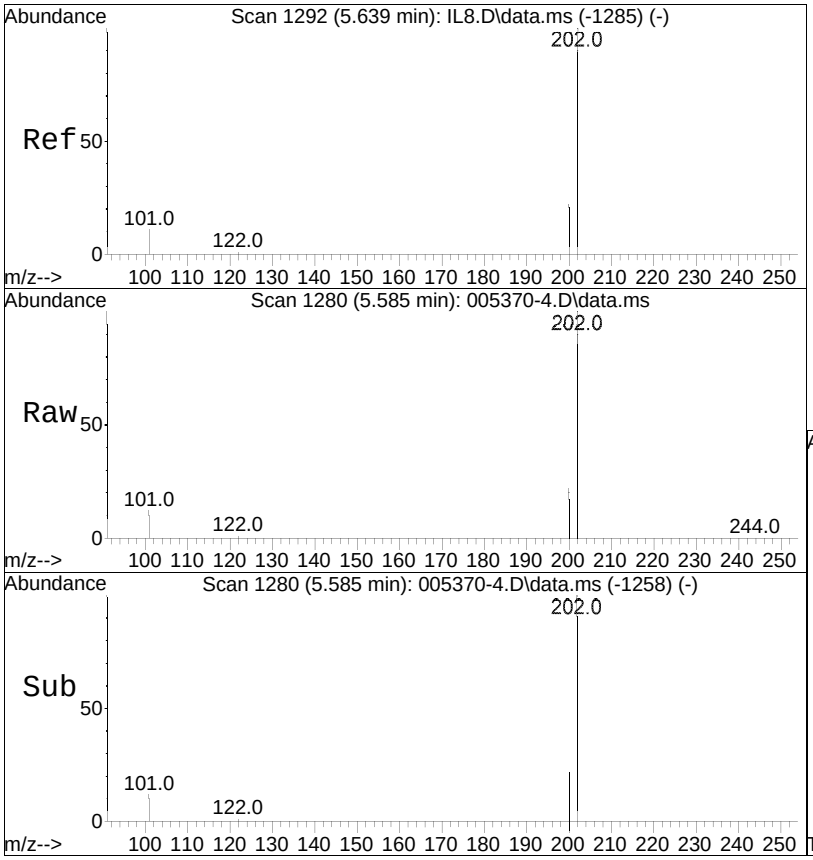


#28
Fluoranthene
Concen: 2376.21 ng/ml
RT: 5.455 min Scan# 1244
Delta R.T. -0.001 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:202 Resp: 2275993

Ion	Ratio	Lower	Upper
202	100		
101	10.6	7.7	11.5

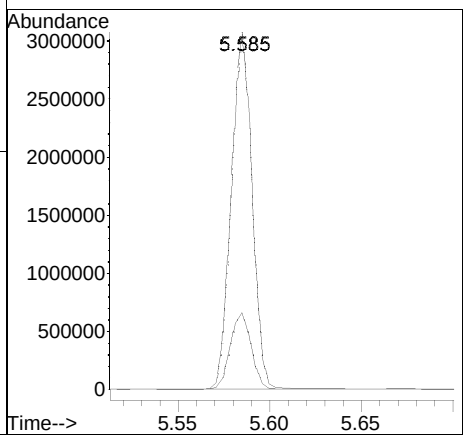


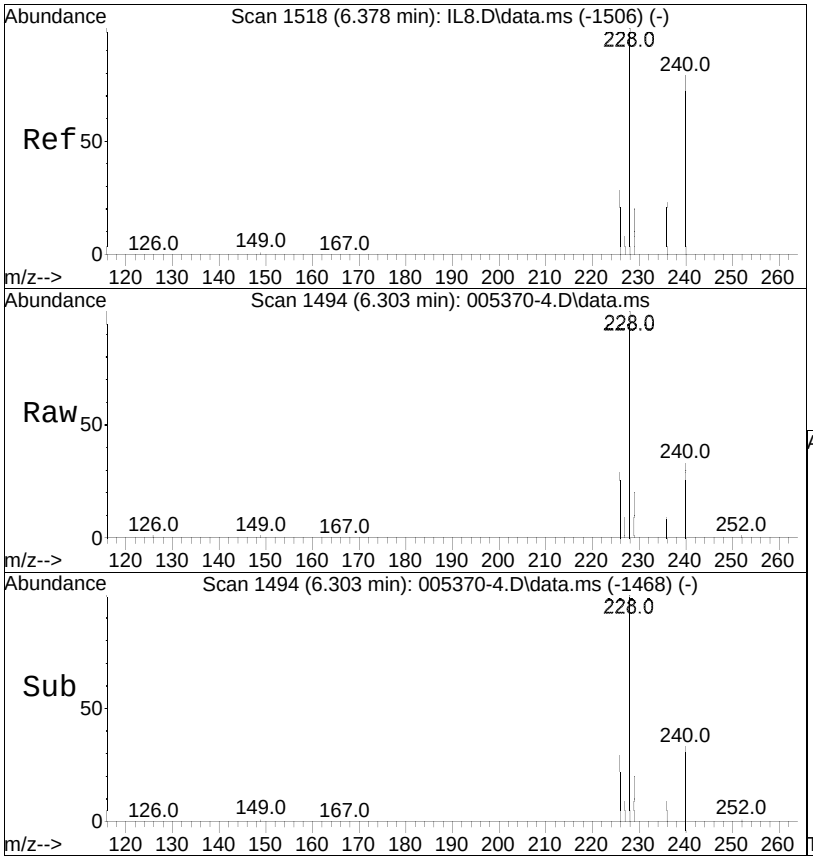


#29
Pyrene
Concen: 2359.60 ng/ml
RT: 5.585 min Scan# 1280
Delta R.T. -0.001 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:202 Resp: 2388413

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.3	25.9

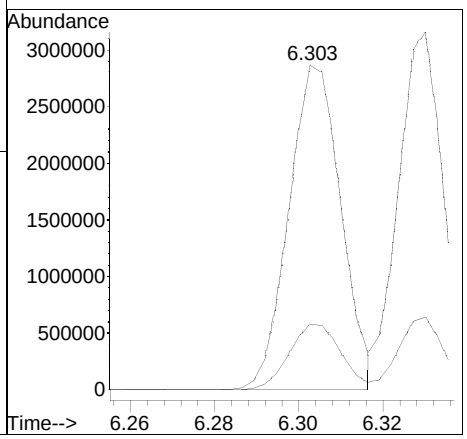


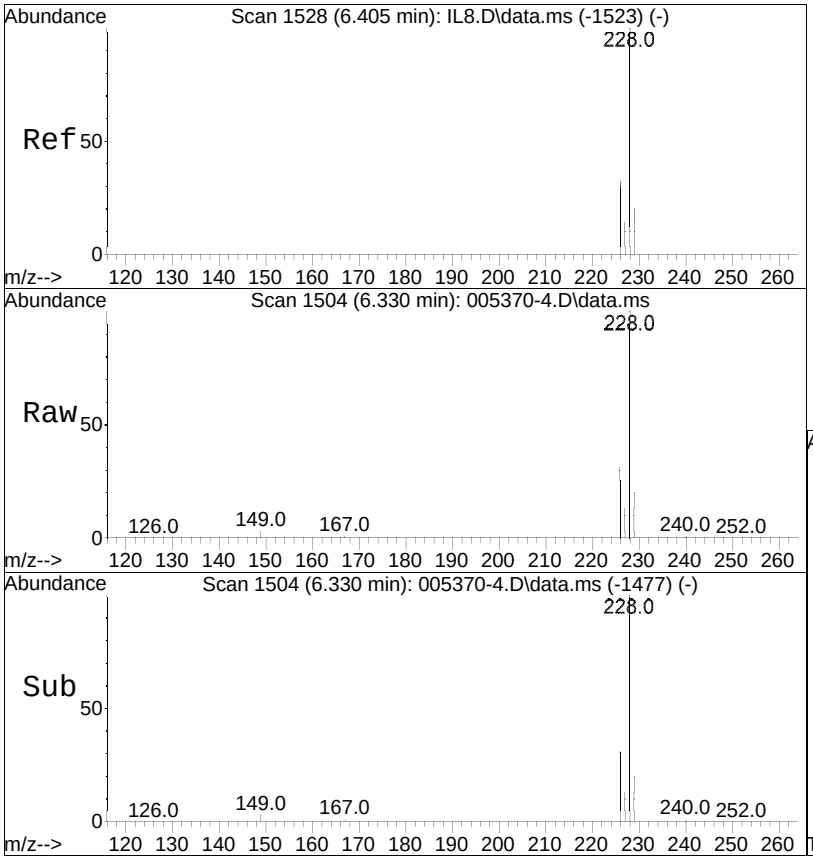


#32
Benzo[a]anthracene
Concen: 2692.05 ng/ml
RT: 6.303 min Scan# 1494
Delta R.T. -0.010 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:228 Resp: 2459509

Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.9	23.9

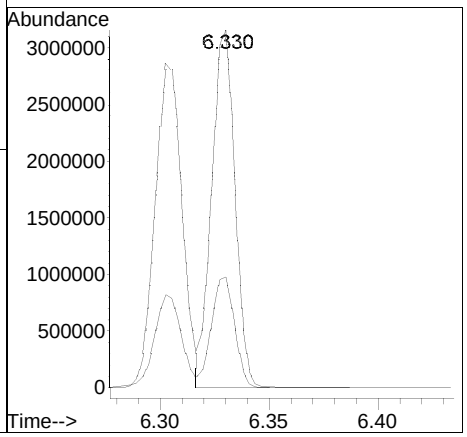


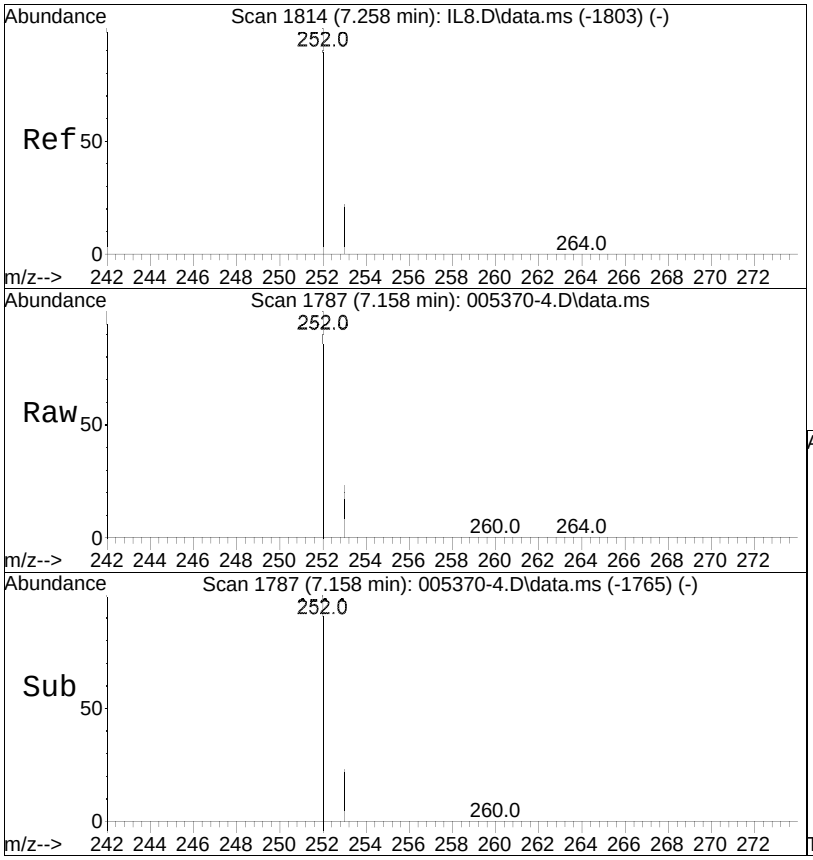


#34
Chrysene
Concen: 2720.33 ng/ml
RT: 6.330 min Scan# 1504
Delta R.T. -0.007 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:228 Resp: 2334224

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6

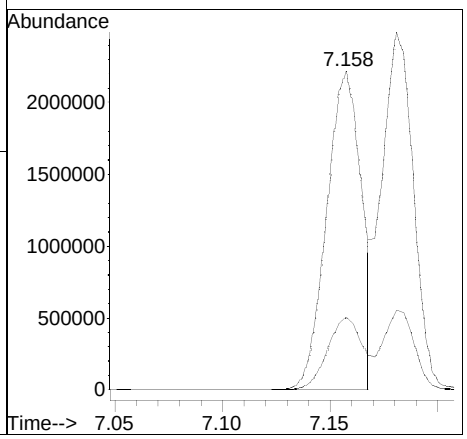


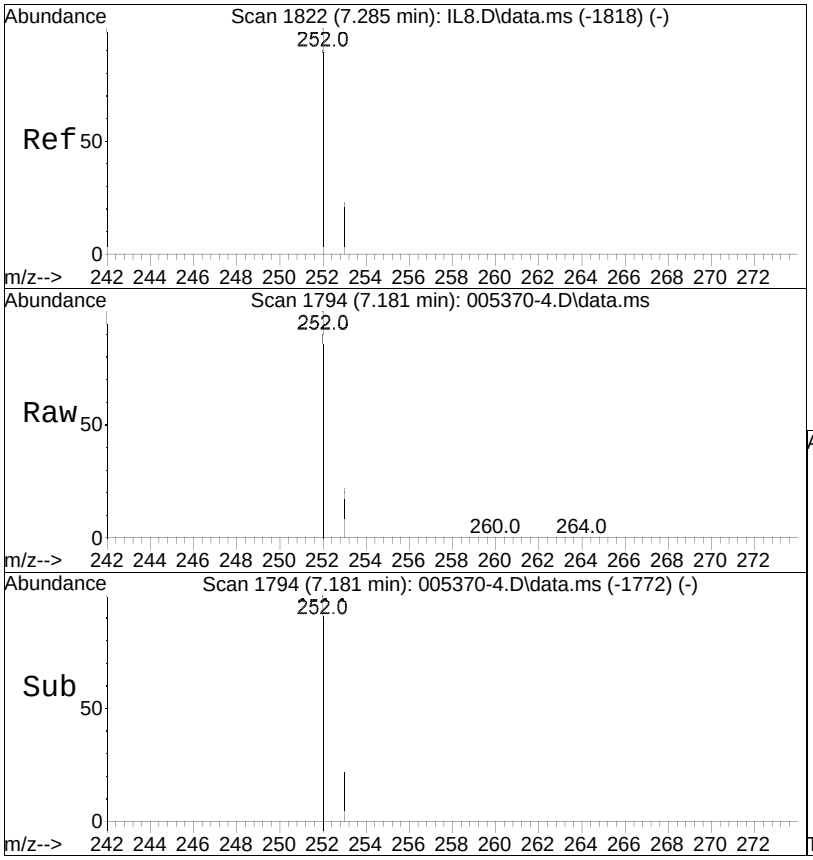


#37
Benzo[b]fluoranthene
Concen: 2548.79 ng/ml
RT: 7.158 min Scan# 1787
Delta R.T. -0.007 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:252 Resp: 2481143

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.6	26.4

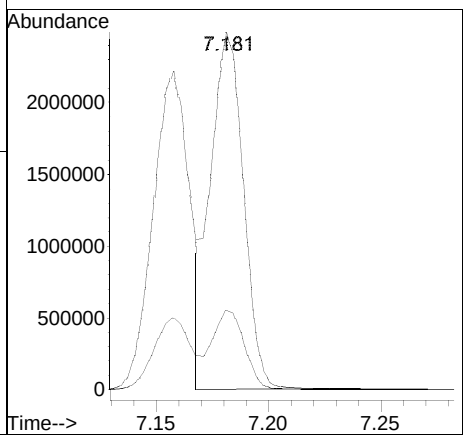


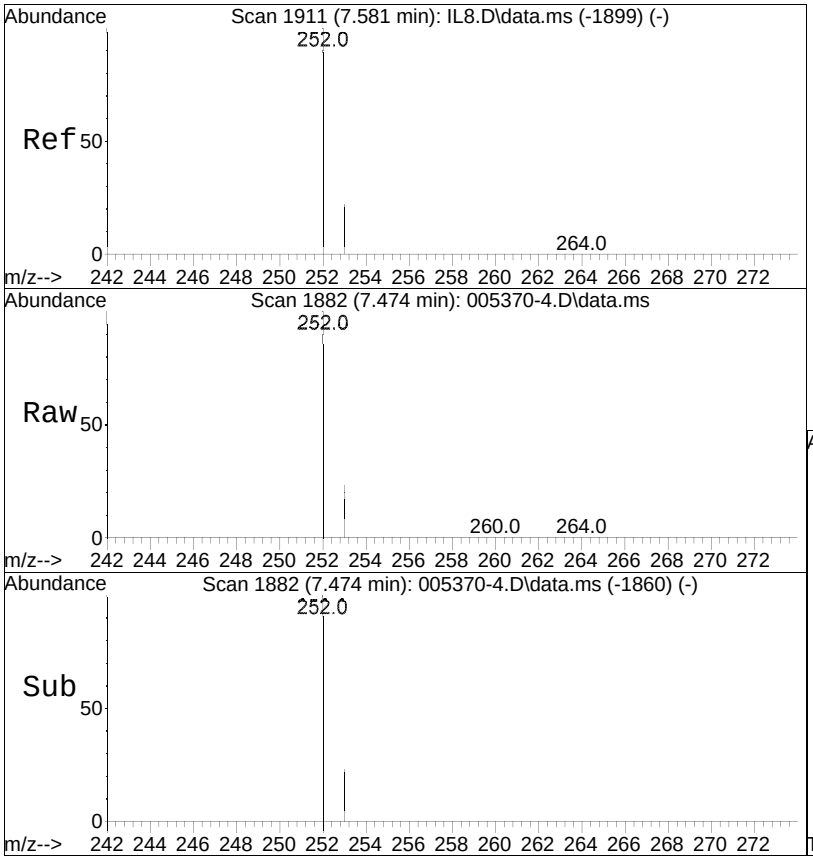


#38
Benzo[k]fluoranthene
Concen: 2850.38 ng/ml
RT: 7.181 min Scan# 1794
Delta R.T. -0.007 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:252 Resp: 2535797

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.8	26.8

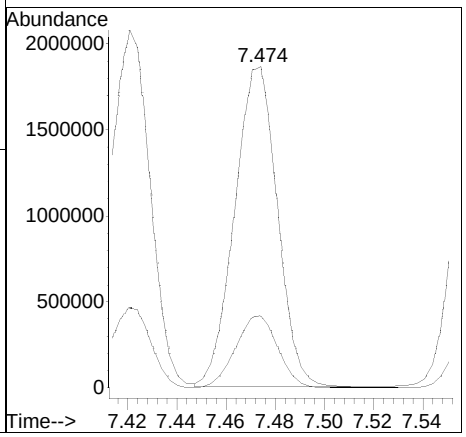


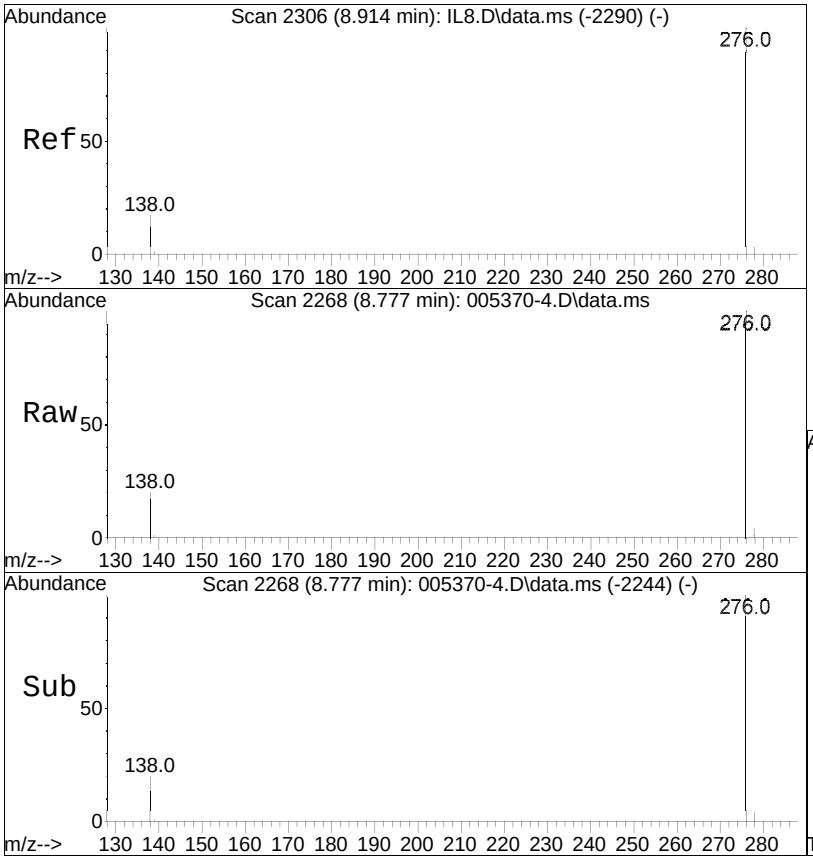


#39
Benzo[a]pyrene
Concen: 2765.31 ng/ml
RT: 7.474 min Scan# 1882
Delta R.T. -0.007 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:252 Resp: 2232614

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3

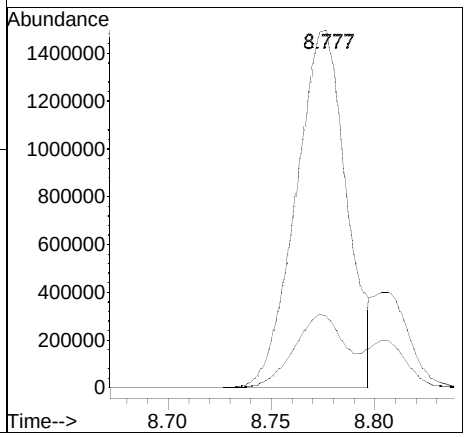


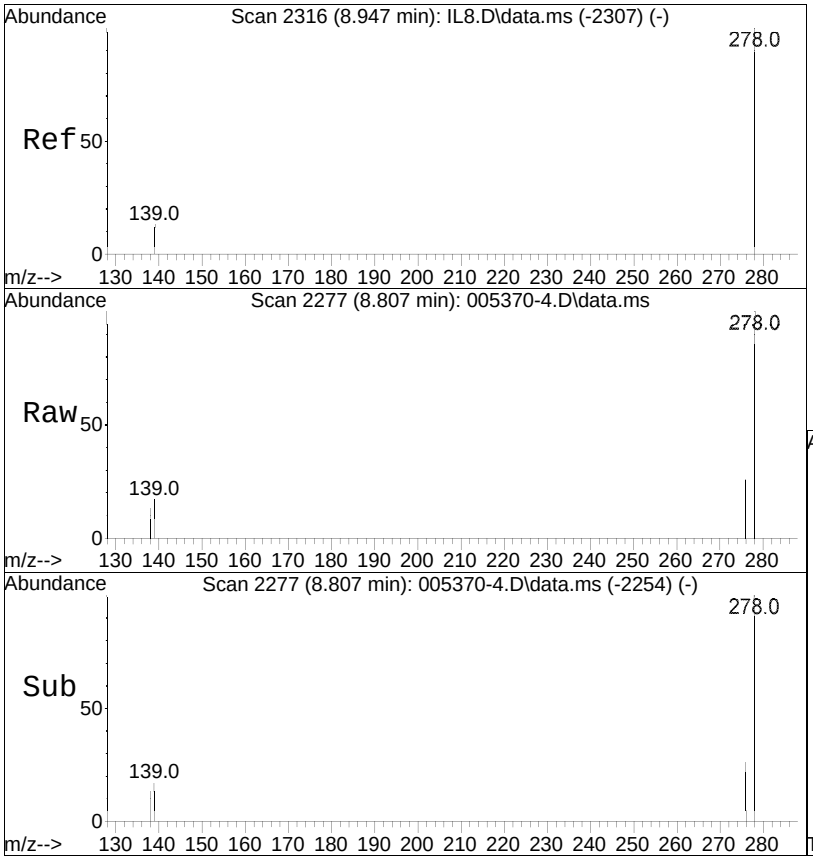


#40
Indeno[1,2,3-cd]pyrene
Concen: 2927.70 ng/ml
RT: 8.777 min Scan# 2268
Delta R.T. -0.000 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:276 Resp: 2538570

Ion	Ratio	Lower	Upper
276	100		
138	20.0	13.3	19.9#

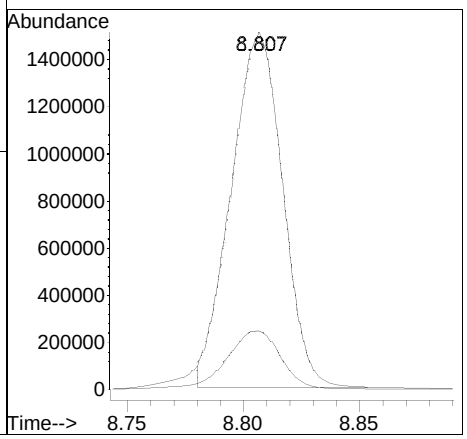


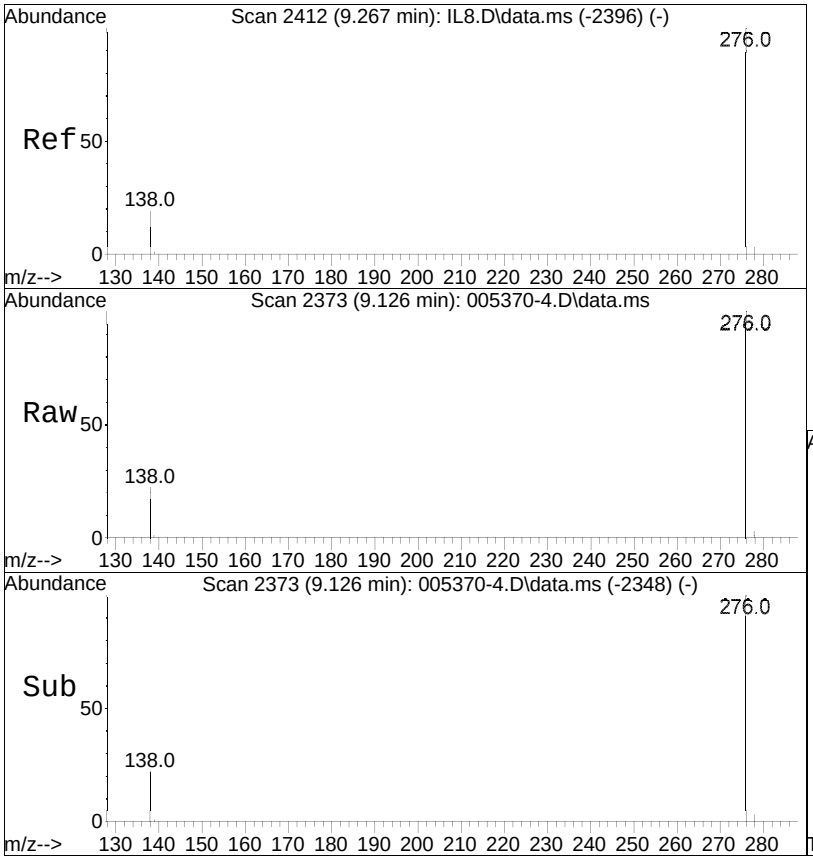


#41
Dibenzo[a,h]anthracene
Concen: 2890.08 ng/ml M6
RT: 8.807 min Scan# 2277
Delta R.T. -0.004 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:278 Resp: 2308230

Ion	Ratio	Lower	Upper
278	100		
139	17.0	11.1	16.7#

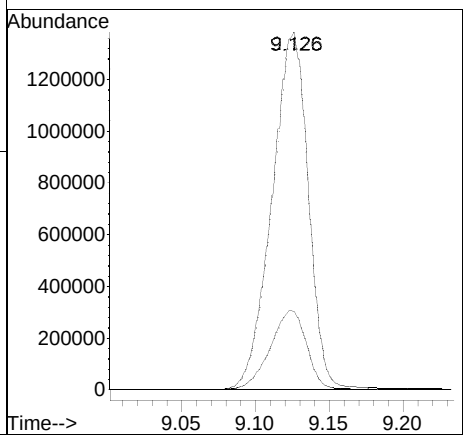




#42
Benzo[g,h,i]perylene
Concen: 2770.07 ng/ml
RT: 9.126 min Scan# 2373
Delta R.T. 0.003 min
Lab File: 005370-4.D
Acq: 05 Dec 2024 02:00 pm

Tgt Ion:276 Resp: 2333722

Ion	Ratio	Lower	Upper
276	100		
138	22.2	14.6	22.0#

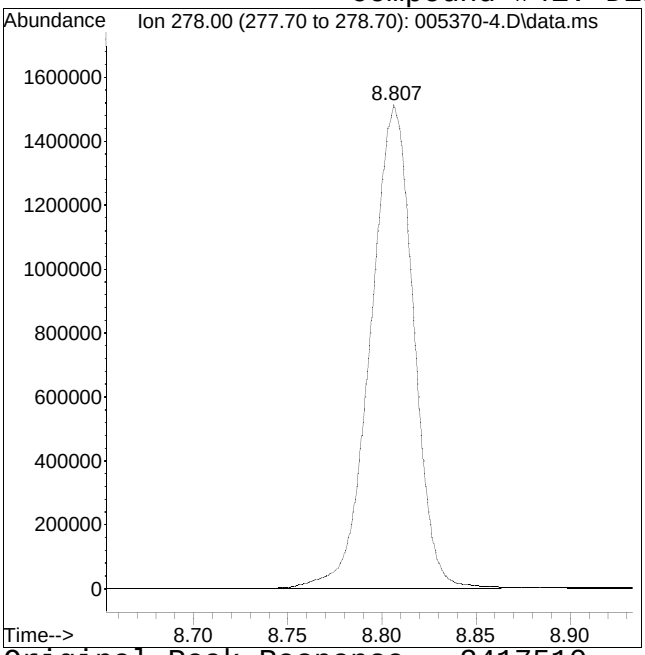


Manual Integration Report

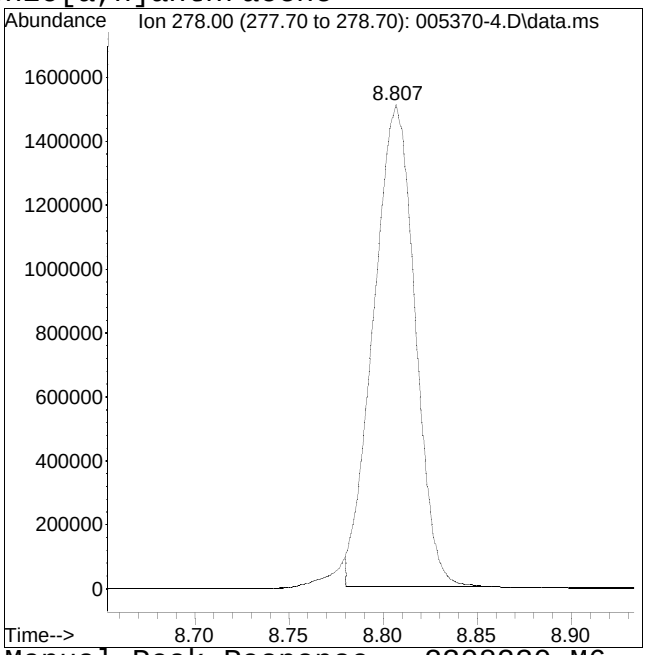
Data Path : I:\8270SIM\SV125\241205RVTQ
Data File : 005370-4.D
Date Inj'd : 12/5/2024 2:00 pm
Sample : WG2005370-4,32,,kmh

Method : SIM-RVT_241105n_sv125.M
Operator : SV125:dv
Instrument : SV125
Quant Date : 12/5/2024 2:15 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2417510



Manual Peak Response = 2308230 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-4.D
Acq On : 09 Dec 2024 02:44 pm
Operator : SV125:jjw
Sample : WG2006681-4,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 10 14:24:29 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.273	152	617069	4000.000	ng/ml	0.03
Standard Area 1 = 620723			Recovery = 99.41%			
8) Naphthalene-d8	2.930	136	2360934	4000.000	ng/ml	0.02
Standard Area 1 = 2184118			Recovery = 108.10%			
17) Acenaphthene-d10	3.908	164	1366284	4000.000	ng/ml	0.00
Standard Area 1 = 1298651			Recovery = 105.21%			
22) Phenanthrene-d10	4.756	188	2745111	4000.000	ng/ml	0.00
Standard Area 1 = 2706375			Recovery = 101.43%			
31) Chrysene-d12	6.319	240	2718101M2	4000.000	ng/ml	-0.09
Standard Area 1 = 2815094			Recovery = 96.55%			
36) Perylene-d12	7.547	264	3051976M2	4000.000	ng/ml	-0.10
Standard Area 1 = 3104537			Recovery = 98.31%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.691	112	184859	1114.922	ng/ml	0.04
Spiked Amount 2000.000	Range 15 - 110		Recovery = 55.75%			
3) Phenol-d6	2.090	99	166633	794.046	ng/ml	0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery = 39.70%			
7) Nitrobenzene-d5	2.551	82	156412	875.450	ng/ml	0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 87.55%			
13) 2-Fluorobiphenyl	3.528	172	432291	823.094	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 82.31%			
21) 2,4,6-Tribromophenol	4.360	330	147049	1984.373	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 99.22%			
30) 4-Terphenyl-d14	5.672	244	547115	864.410	ng/ml	-0.05
Spiked Amount 1000.000	Range 30 - 130		Recovery = 86.44%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.135	93	280975	1646.019	ng/ml	96
5) n-nitrosodi-n-propylamine	2.468	70	224180	1875.963	ng/ml	93
6) Hexachloroethane	2.527	117	121781	1569.933	ng/ml	97
9) Naphthalene	2.941	128	1042790	1644.809	ng/ml	99
10) Hexachlorobutadiene	3.011	225	186500	1438.812	ng/ml	100
11) 2-Methylnaphthalene	3.318	142	710040	1661.117	ng/ml	99
12) 1-Methylnaphthalene	3.376	142	659120	1650.591	ng/ml	99
14) 2-Chloronaphthalene	3.590	162	728682	1627.789	ng/ml	93
15) 2,6-Dinitrotoluene	3.787	165	193185	1889.711	ng/ml	92
16) Acenaphthylene	3.827	152	1104105	1737.722	ng/ml	100
18) Acenaphthene	3.927	153	784861	1782.166	ng/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-4.D
Acq On : 09 Dec 2024 02:44 pm
Operator : SV125:jjw
Sample : WG2006681-4,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 10 14:24:29 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.019	165	274908	2139.272	ng/ml	91
20) Fluorene	4.220	166	876893	1803.523	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.251	198	152338	1773.486	ng/ml	98
24) Hexachlorobenzene	4.540	284	311489	1769.635	ng/ml	98
25) Pentachlorophenol	4.653	266	193131	1957.967	ng/ml	100
26) Phenanthrene	4.769	178	1380727	1819.955	ng/ml	100
27) Anthracene	4.798	178	1391082	1904.250	ng/ml	100
28) Fluoranthene	5.451	202	1645477	1888.444	ng/ml	97
29) Pyrene	5.581	202	1740172	1889.817	ng/ml	99
32) Benzo[a]anthracene	6.311	228	1751973M3	2136.492	ng/ml	
33) 3,3'-Dichlorobenzidine	6.292	252	375691M4	1233.055	ng/ml	
34) Chrysene	6.335	228	1658354M6	2155.431	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.327	149	1225135M3	2783.111	ng/ml	
37) Benzo[b]fluoranthene	7.164	252	1711534M6	2015.335	ng/ml	
38) Benzo[k]fluoranthene	7.188	252	1767789M1	2277.706	ng/ml	
39) Benzo[a]pyrene	7.481	252	1577953M3	2240.285	ng/ml	
40) Indeno[1,2,3-cd]pyrene	8.783	276	1660131M2	2194.620	ng/ml	
41) Dibenzo[a,h]anthracene	8.817	278	1556895M2	2234.449	ng/ml	
42) Benzo[g,h,i]perylene	9.133	276	1510617M2	2055.303	ng/ml	

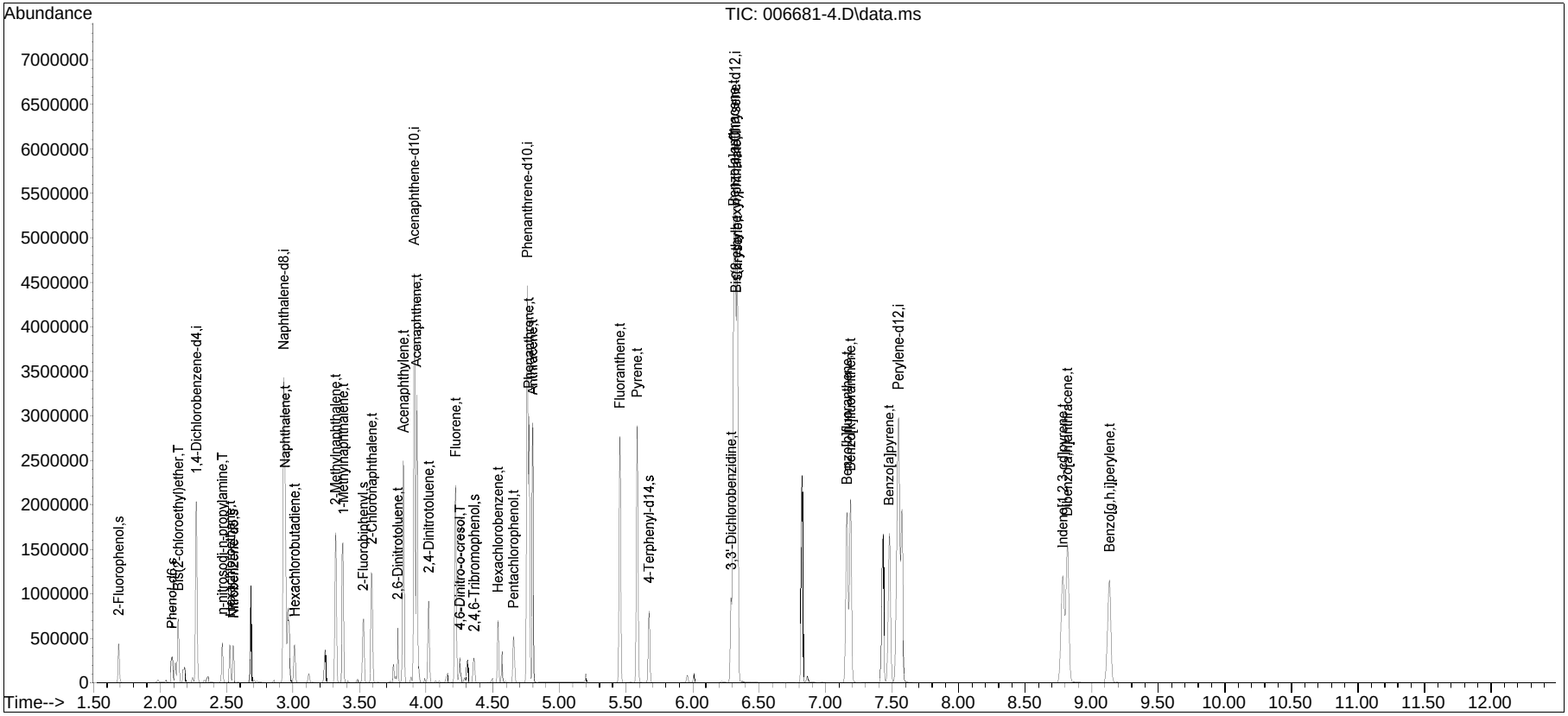
(#) = qualifier out of range (m) = manual integration (+) = signals summed

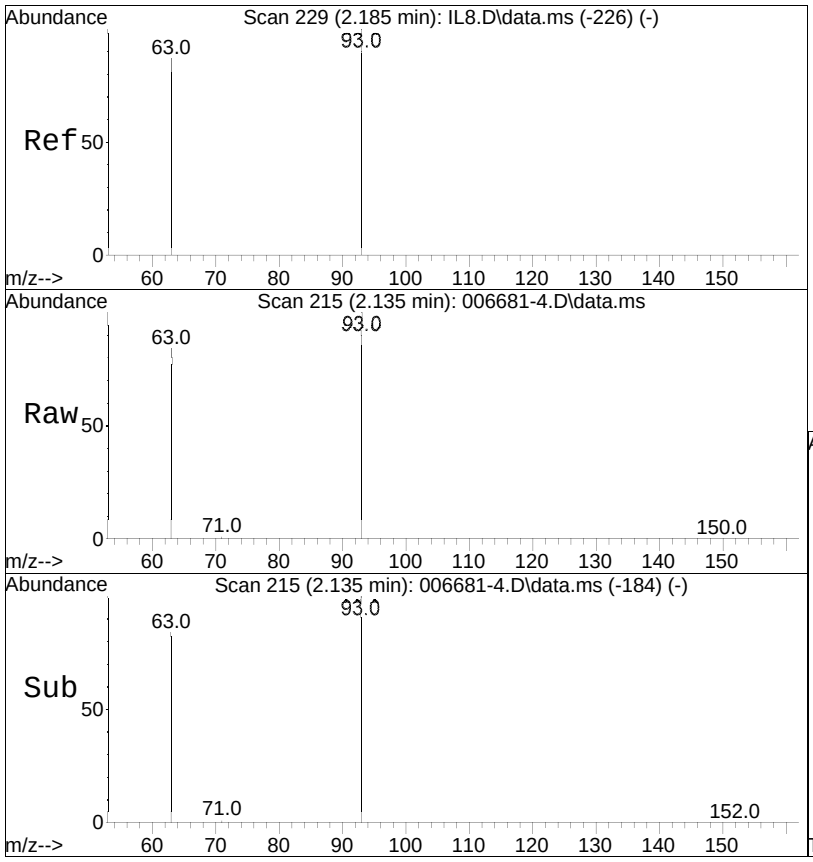
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-4.D
Acq On : 09 Dec 2024 02:44 pm
Operator : SV125:jjw
Sample : WG2006681-4,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 10 14:24:29 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv1209b.D•

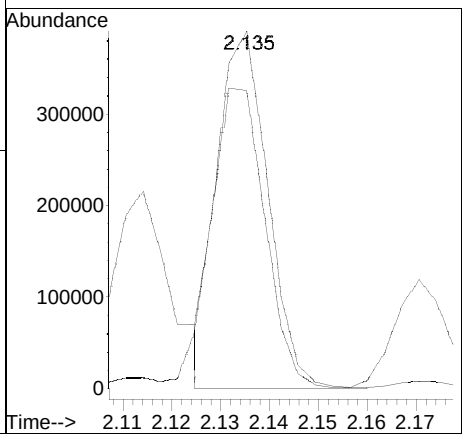


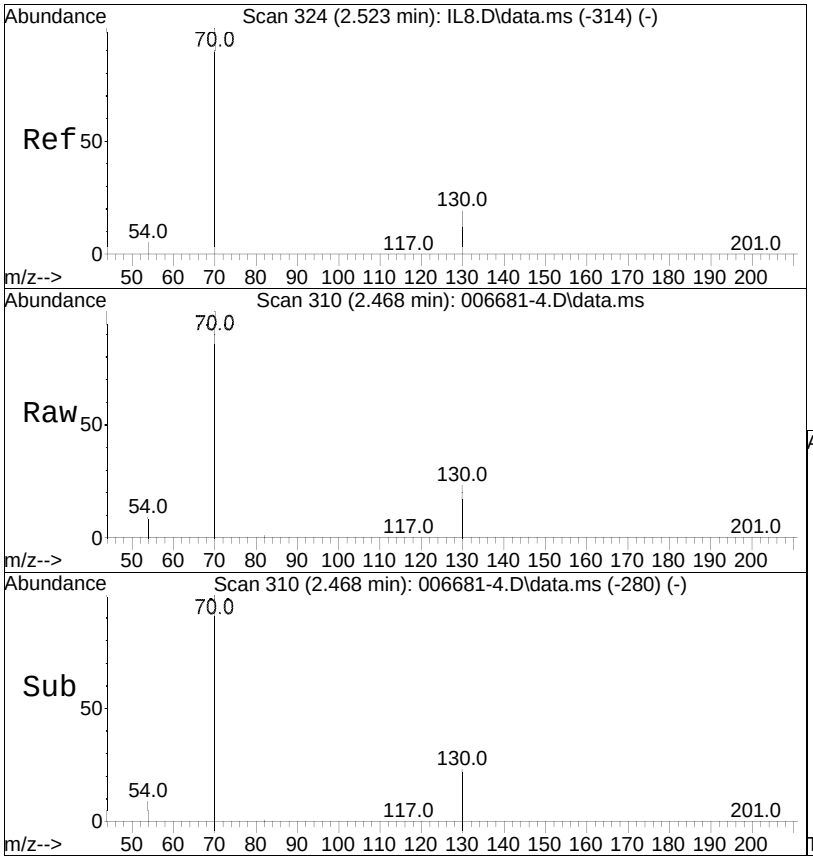


#4
Bis(2-chloroethyl)ether
Concen: 1646.02 ng/ml
RT: 2.135 min Scan# 215
Delta R.T. 0.029 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion: 93 Resp: 280975

Ion	Ratio	Lower	Upper
93	100		
63	92.8	71.2	106.8

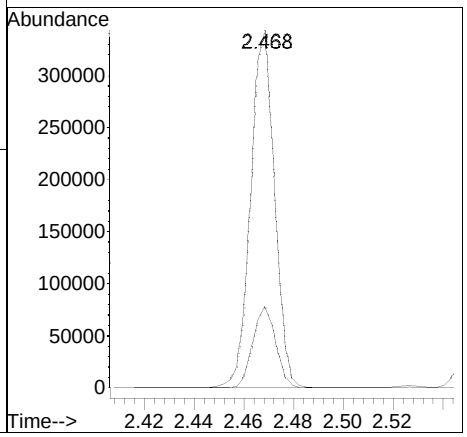


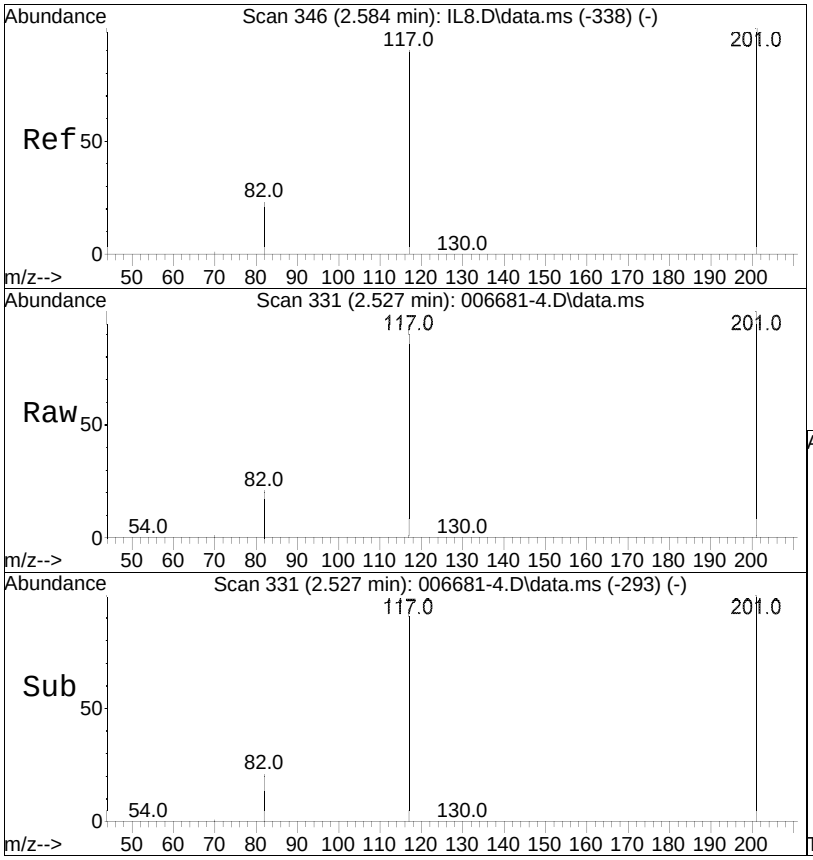


#5
n-nitrosodi-n-propylamine
Concen: 1875.96 ng/ml
RT: 2.468 min Scan# 310
Delta R.T. 0.024 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion: 70 Resp: 224180

Ion	Ratio	Lower	Upper
70	100		
130	21.9	15.0	22.6

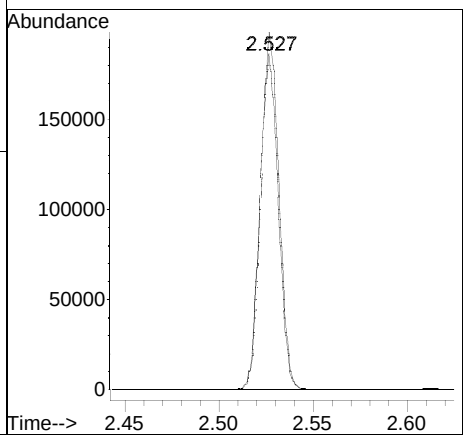


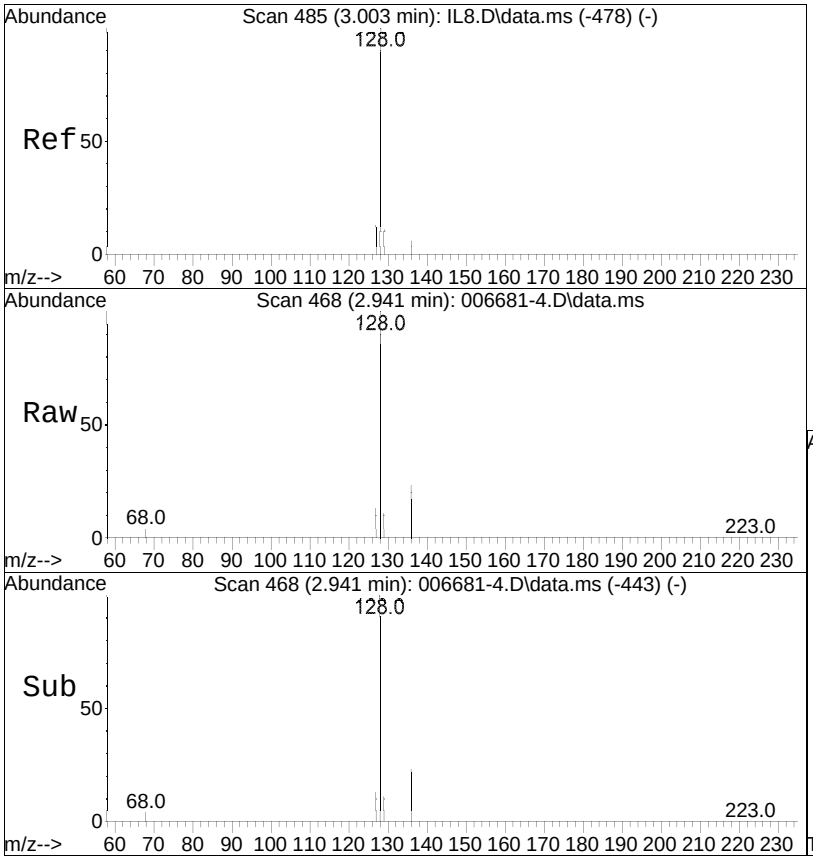


#6
Hexachloroethane
Concen: 1569.93 ng/ml
RT: 2.527 min Scan# 331
Delta R.T. 0.024 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:117 Resp: 121781

Ion	Ratio	Lower	Upper
117	100		
201	106.8	88.0	132.0

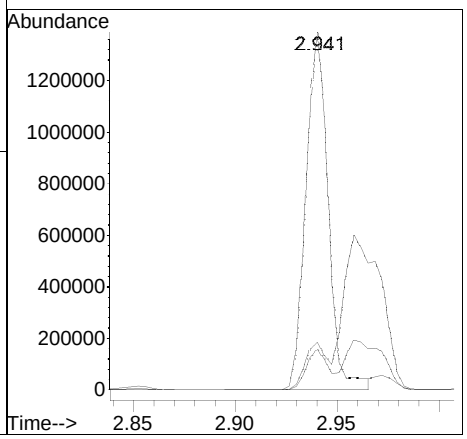


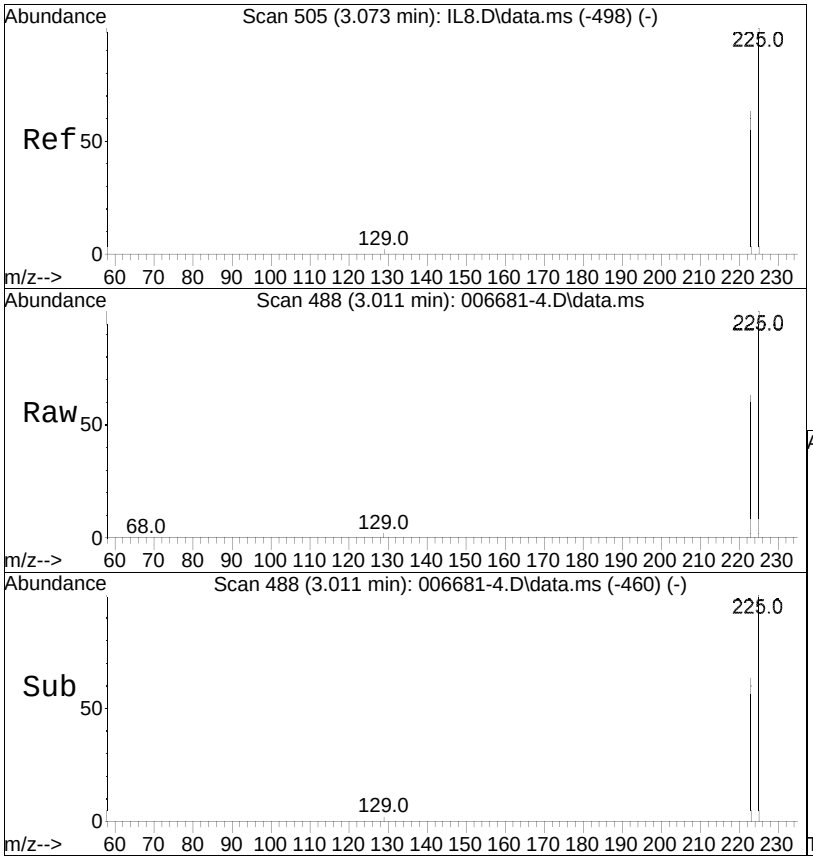


#9
Naphthalene
Concen: 1644.81 ng/ml
RT: 2.941 min Scan# 468
Delta R.T. 0.017 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:128 Resp: 1042790

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.8	10.9	16.3

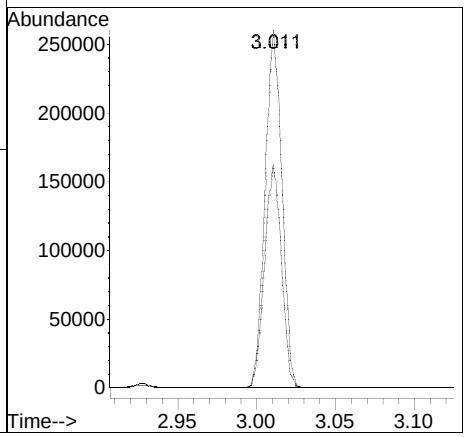


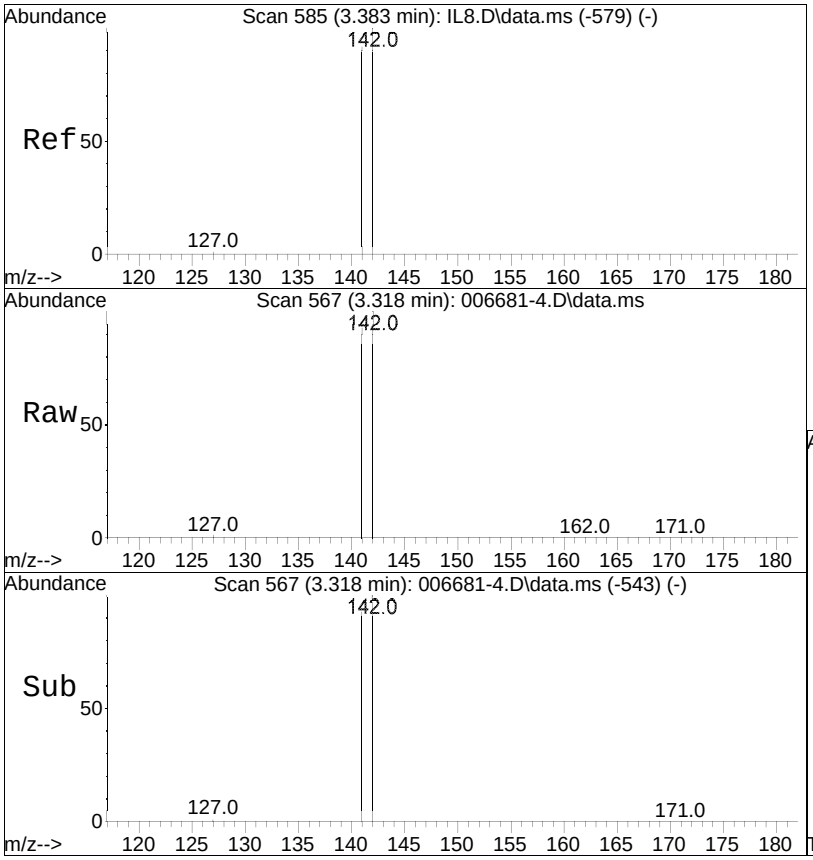


#10
Hexachlorobutadiene
Concen: 1438.81 ng/ml
RT: 3.011 min Scan# 488
Delta R.T. 0.017 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:225 Resp: 186500

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5

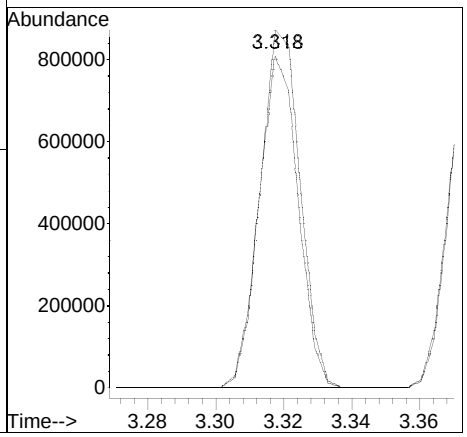


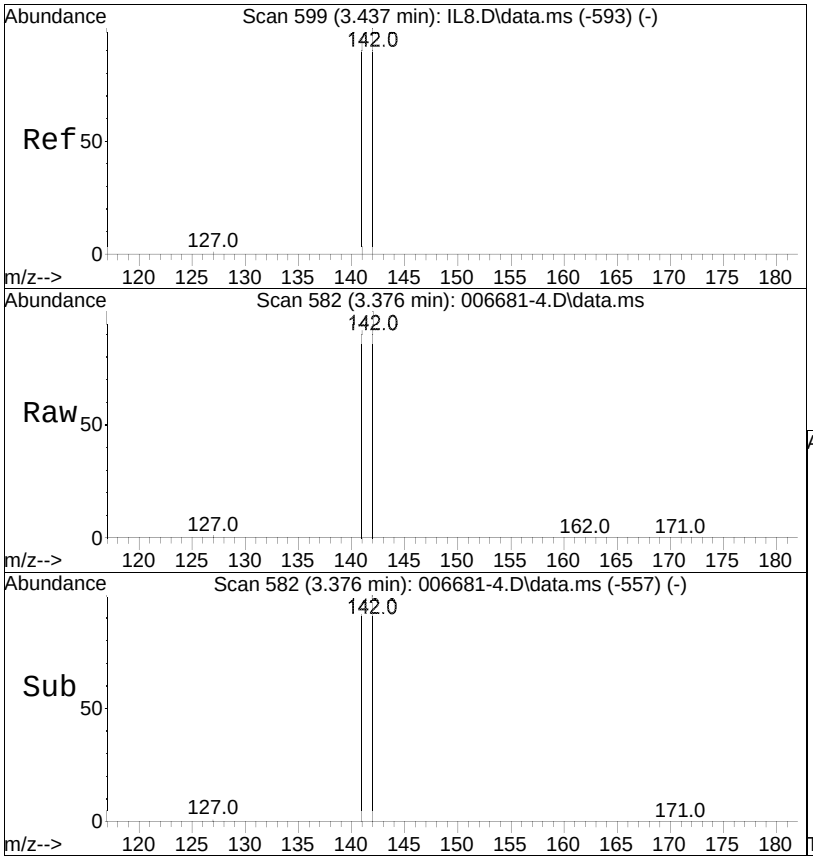


#11
2-Methylnaphthalene
Concen: 1661.12 ng/ml
RT: 3.318 min Scan# 567
Delta R.T. 0.012 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:142 Resp: 710040

Ion	Ratio	Lower	Upper
142	100		
141	91.1	74.0	111.0

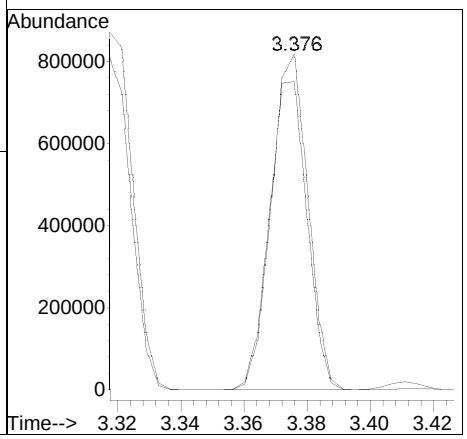


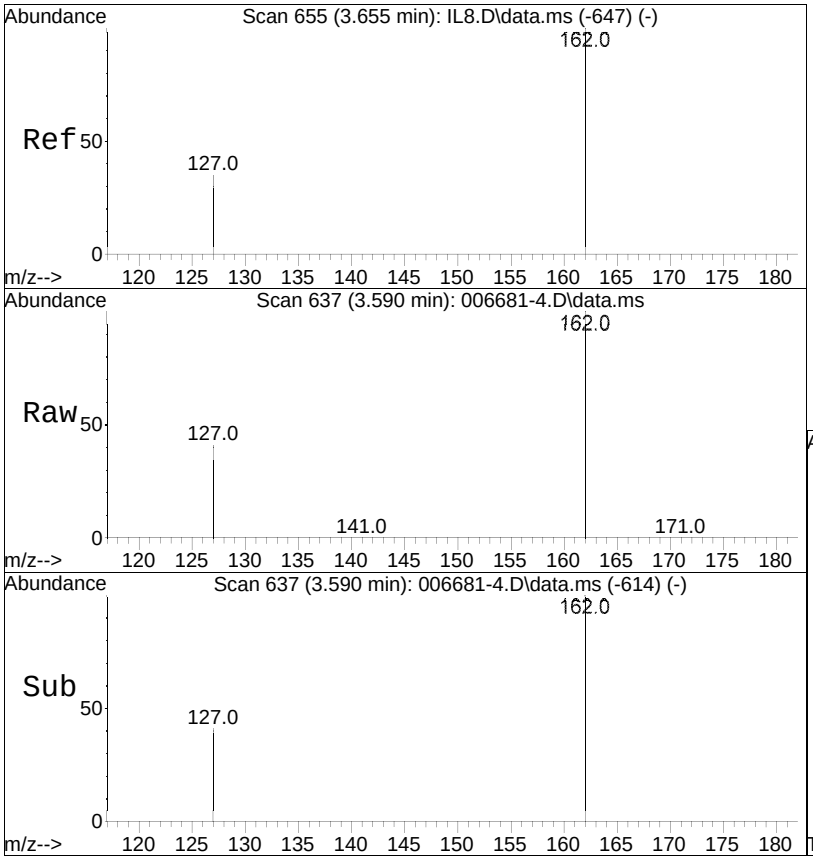


#12
1-Methylnaphthalene
Concen: 1650.59 ng/ml
RT: 3.376 min Scan# 582
Delta R.T. 0.016 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:142 Resp: 659120

Ion	Ratio	Lower	Upper
142	100		
141	94.5	76.5	114.7

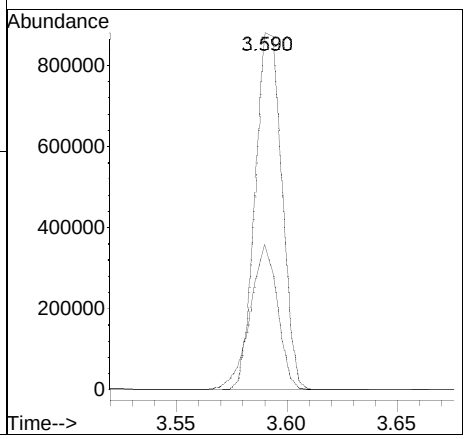


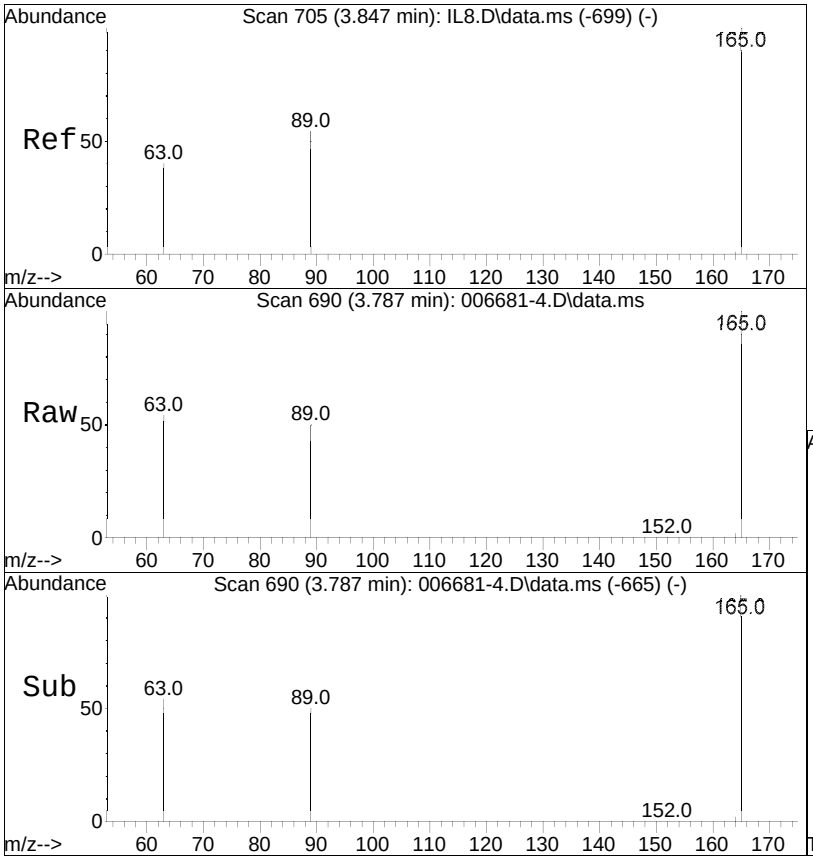


#14
2-Chloronaphthalene
Concen: 1627.79 ng/ml
RT: 3.590 min Scan# 637
Delta R.T. 0.008 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:162 Resp: 728682

Ion	Ratio	Lower	Upper
162	100		
127	42.0	30.1	45.1

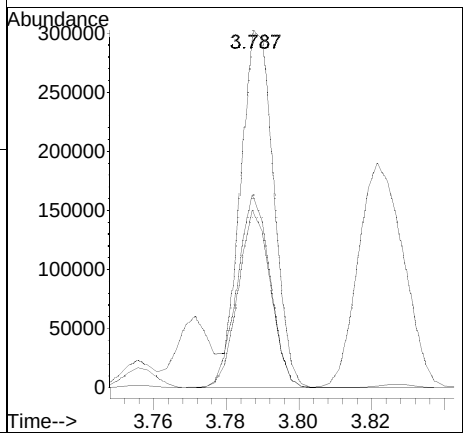


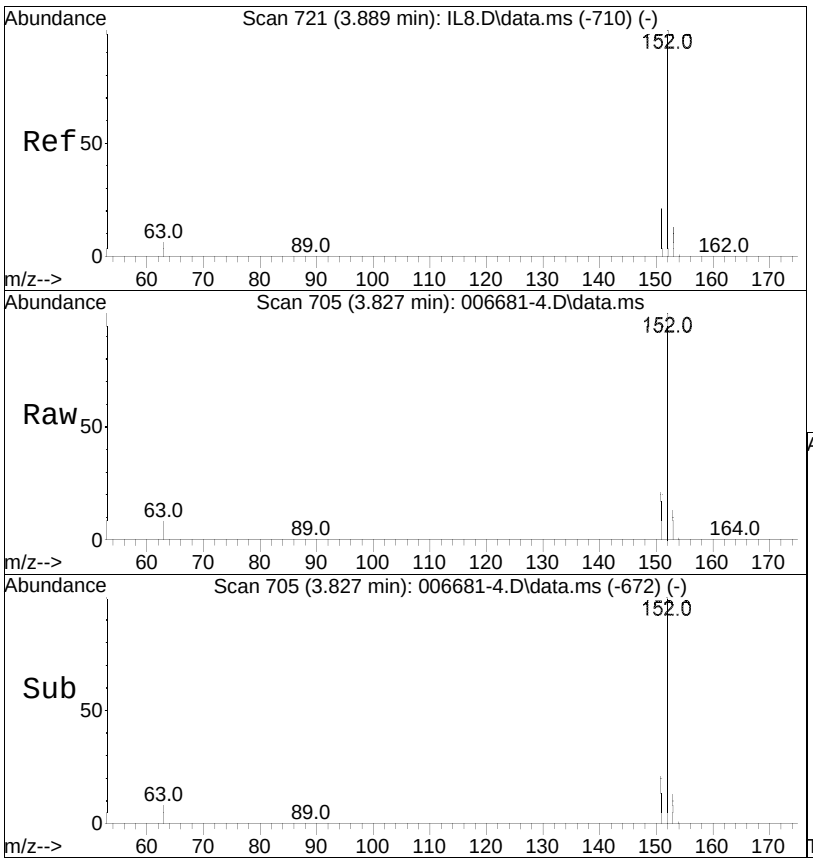


#15
2,6-Dinitrotoluene
Concen: 1889.71 ng/ml
RT: 3.787 min Scan# 690
Delta R.T. 0.008 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:165 Resp: 193185

Ion	Ratio	Lower	Upper
165	100		
89	48.3	43.6	65.4
63	52.4	45.9	68.9

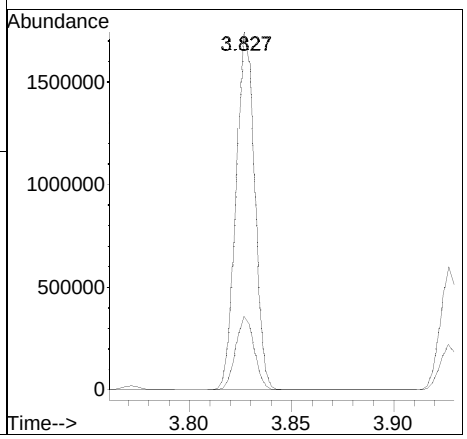


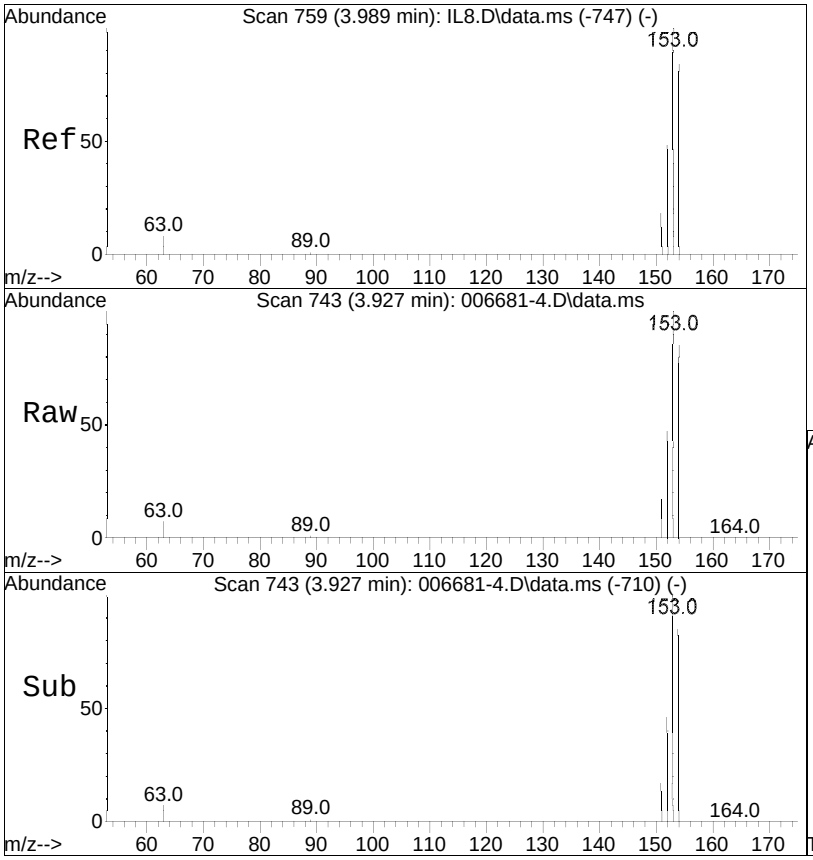


#16
Acenaphthylene
Concen: 1737.72 ng/ml
RT: 3.827 min Scan# 705
Delta R.T. 0.008 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:152 Resp: 1104105

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.5	24.7

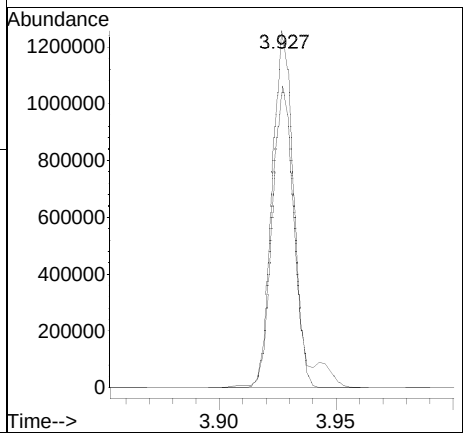


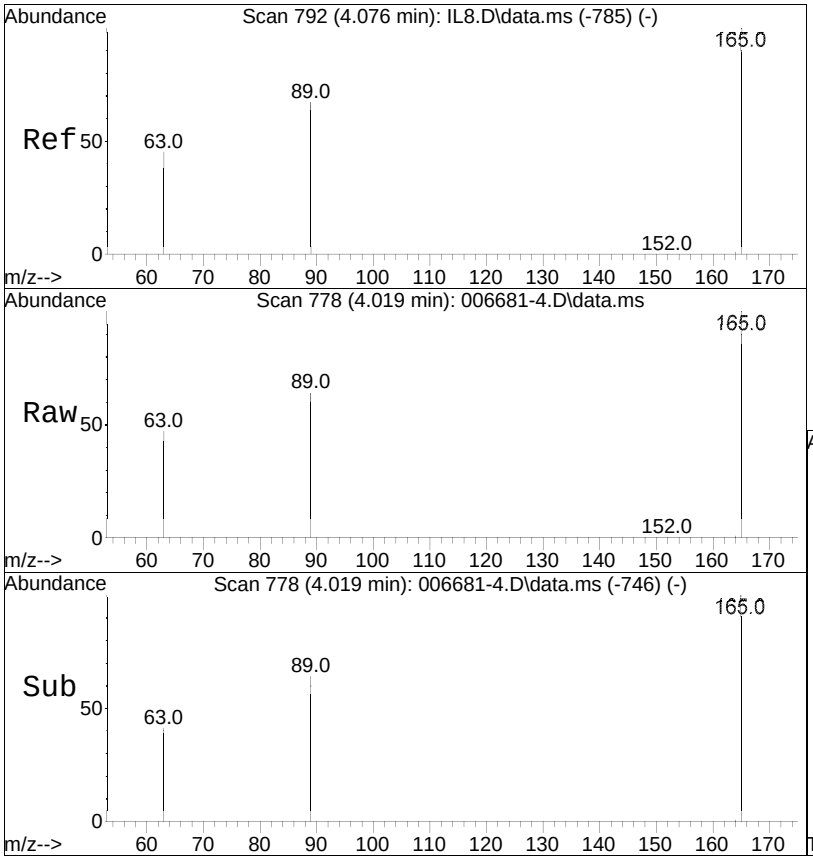


#18
Acenaphthene
Concen: 1782.17 ng/ml
RT: 3.927 min Scan# 743
Delta R.T. 0.008 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:153 Resp: 784861

Ion	Ratio	Lower	Upper
153	100		
154	87.4	74.9	112.3

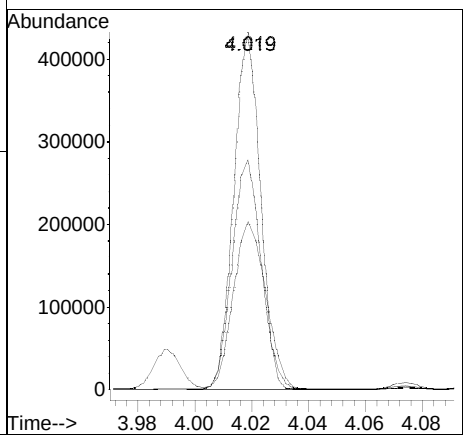


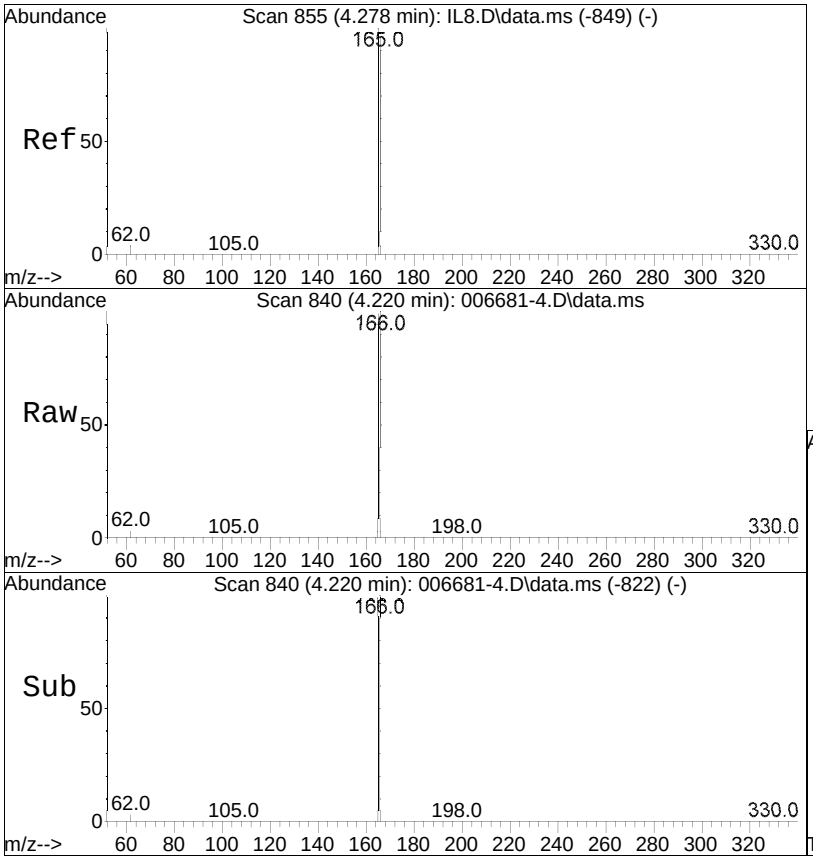


#19
2,4-Dinitrotoluene
Concen: 2139.27 ng/ml
RT: 4.019 min Scan# 778
Delta R.T. 0.005 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:165 Resp: 274908

Ion	Ratio	Lower	Upper
165	100		
89	71.2	62.9	94.3
63	58.2	52.2	78.4

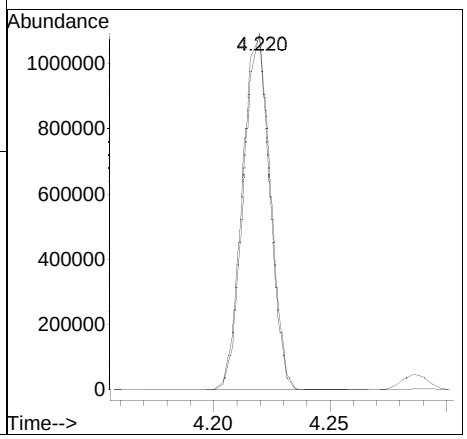


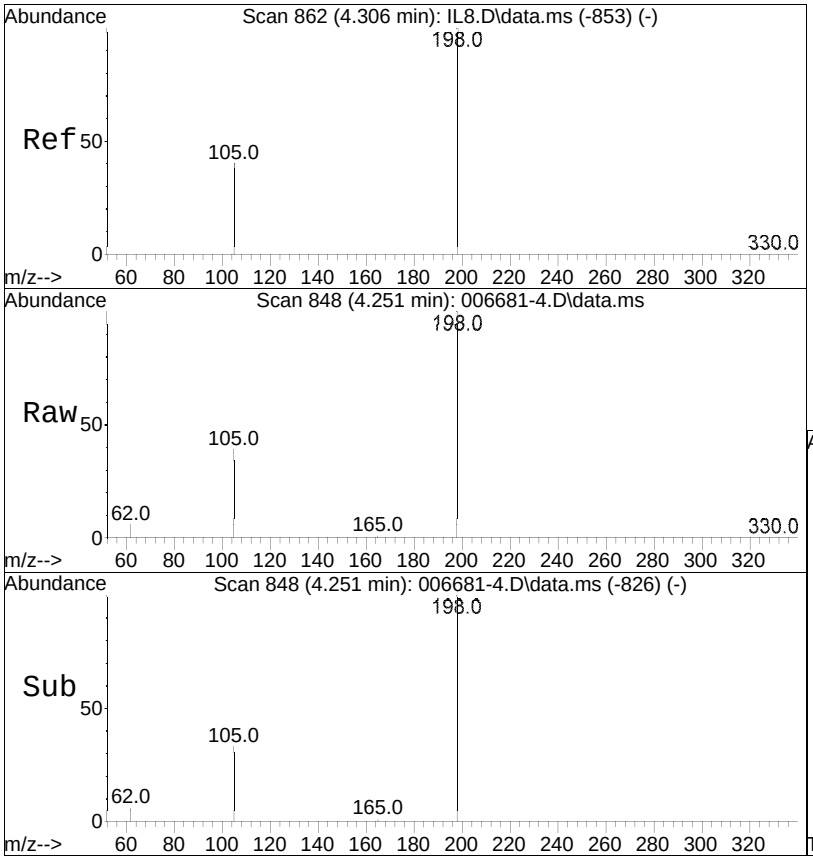


#20
Fluorene
Concen: 1803.52 ng/ml
RT: 4.220 min Scan# 840
Delta R.T. 0.005 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:166 Resp: 876893

Ion	Ratio	Lower	Upper
166	100		
165	101.3	82.2	123.4

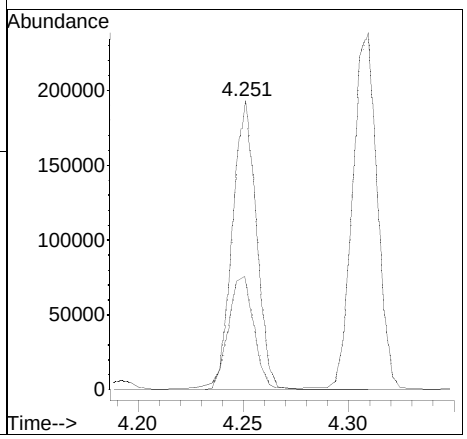


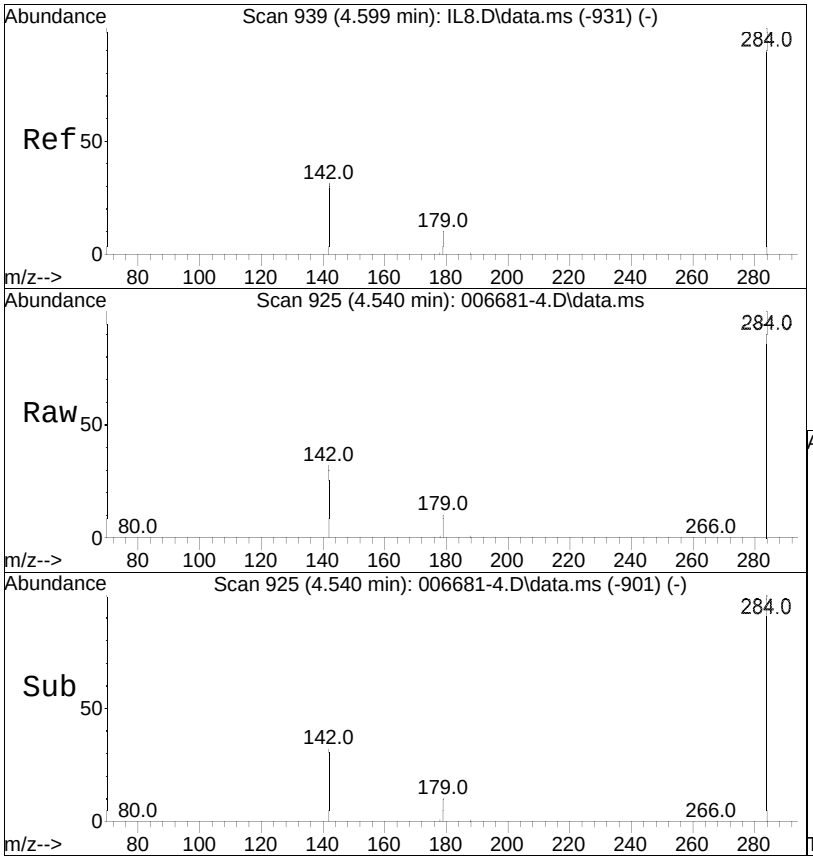


#23
4,6-Dinitro-o-cresol
Concen: 1773.49 ng/ml
RT: 4.251 min Scan# 848
Delta R.T. 0.005 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:198 Resp: 152338

Ion	Ratio	Lower	Upper
198	100		
105	42.4	33.1	49.7

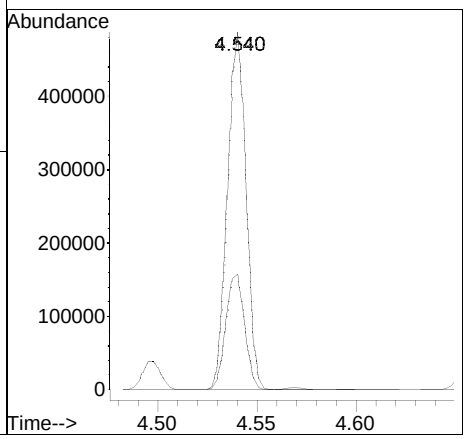


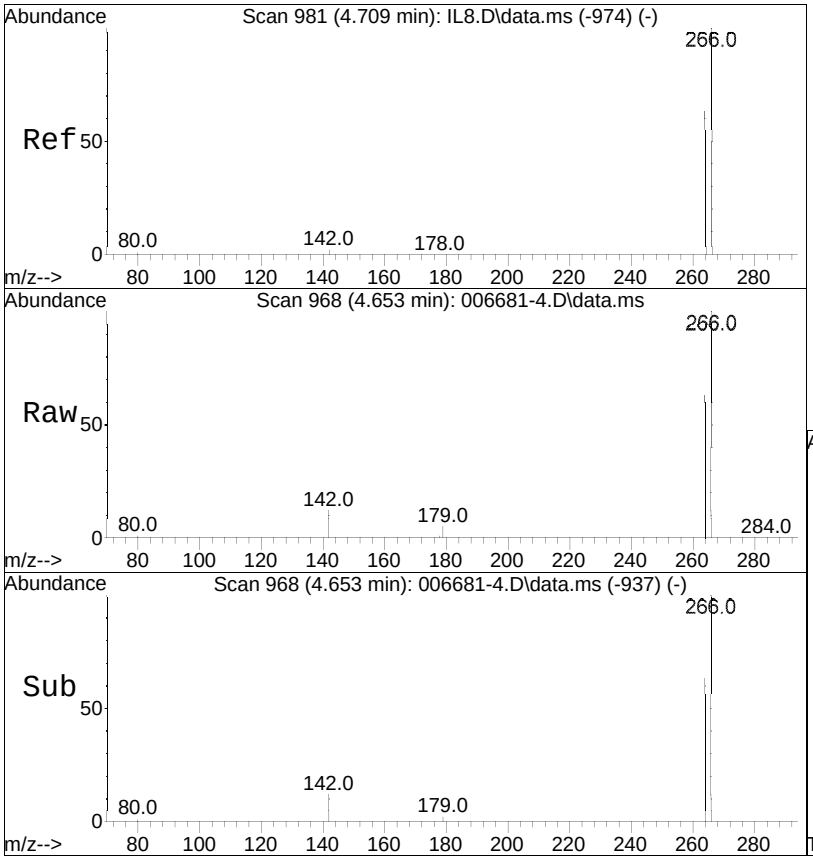


#24
Hexachlorobenzene
Concen: 1769.63 ng/ml
RT: 4.540 min Scan# 925
Delta R.T. 0.002 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:284 Resp: 311489

Ion	Ratio	Lower	Upper
284	100		
142	33.0	25.4	38.0

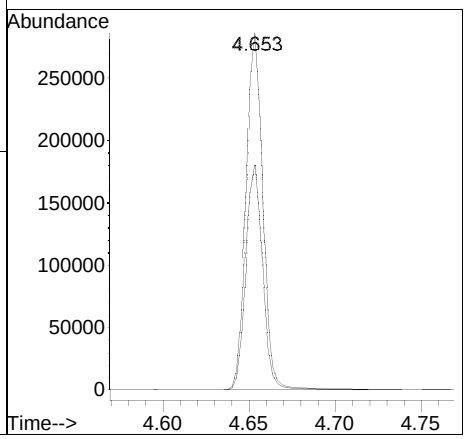


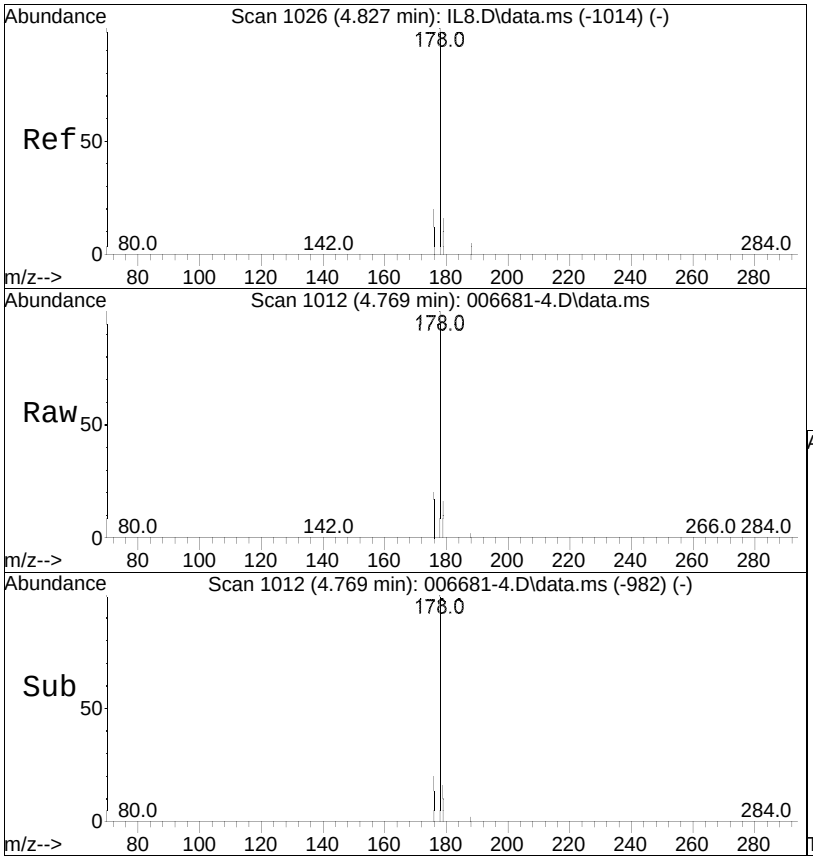


#25
Pentachlorophenol
Concen: 1957.97 ng/ml
RT: 4.653 min Scan# 968
Delta R.T. 0.002 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:266 Resp: 193131

Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.6	76.0

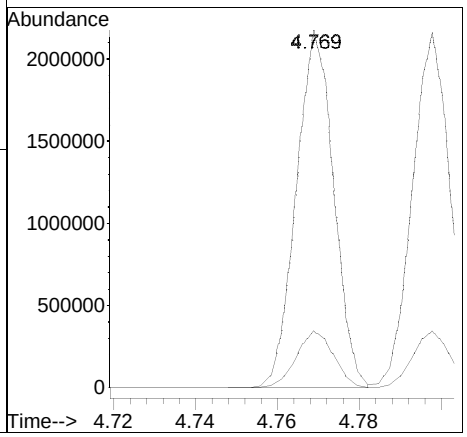


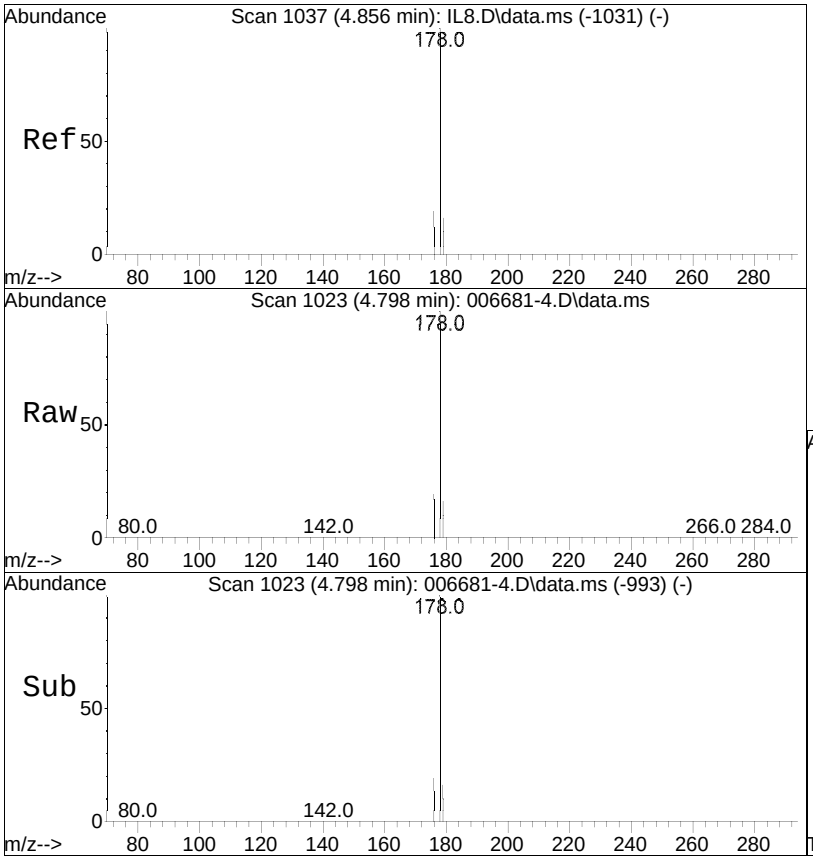


#26
Phenanthrene
Concen: 1819.95 ng/ml
RT: 4.769 min Scan# 1012
Delta R.T. -0.001 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:178 Resp: 1380727

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.8	19.2

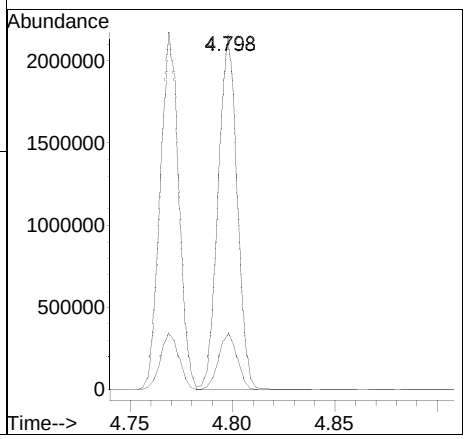


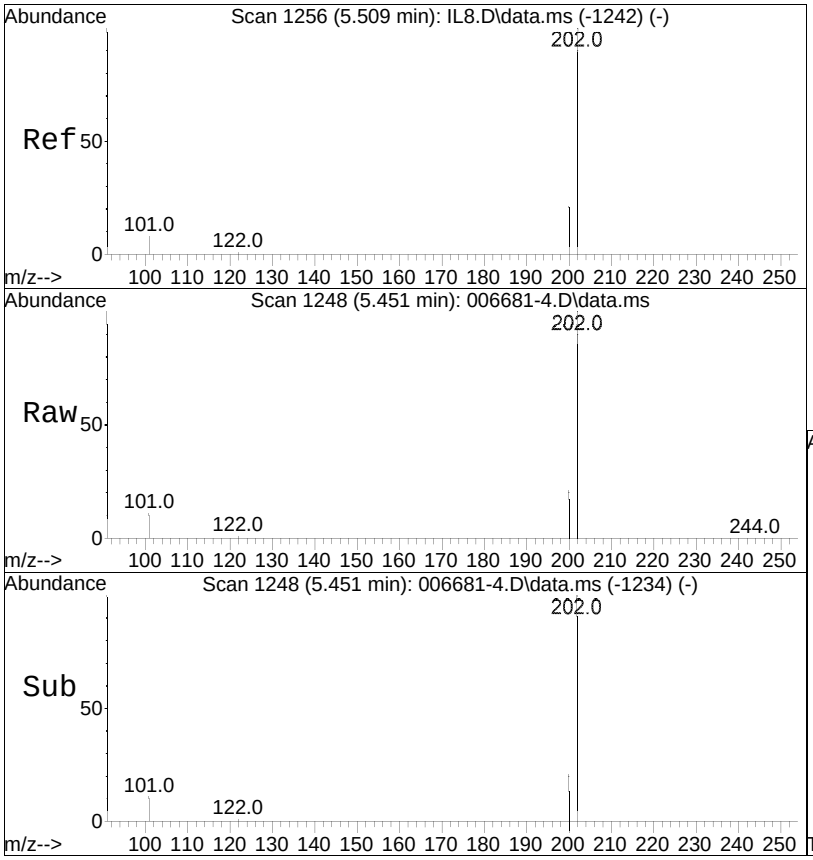


#27
Anthracene
Concen: 1904.25 ng/ml
RT: 4.798 min Scan# 1023
Delta R.T. -0.001 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:178 Resp: 1391082

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	18.8

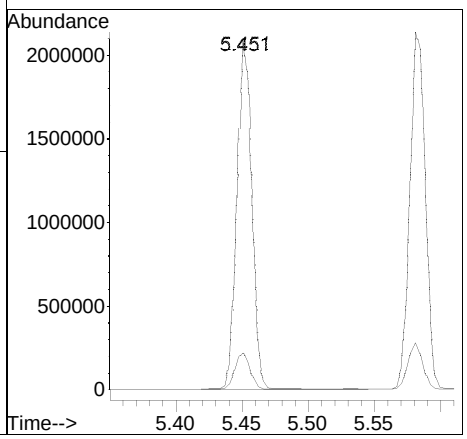


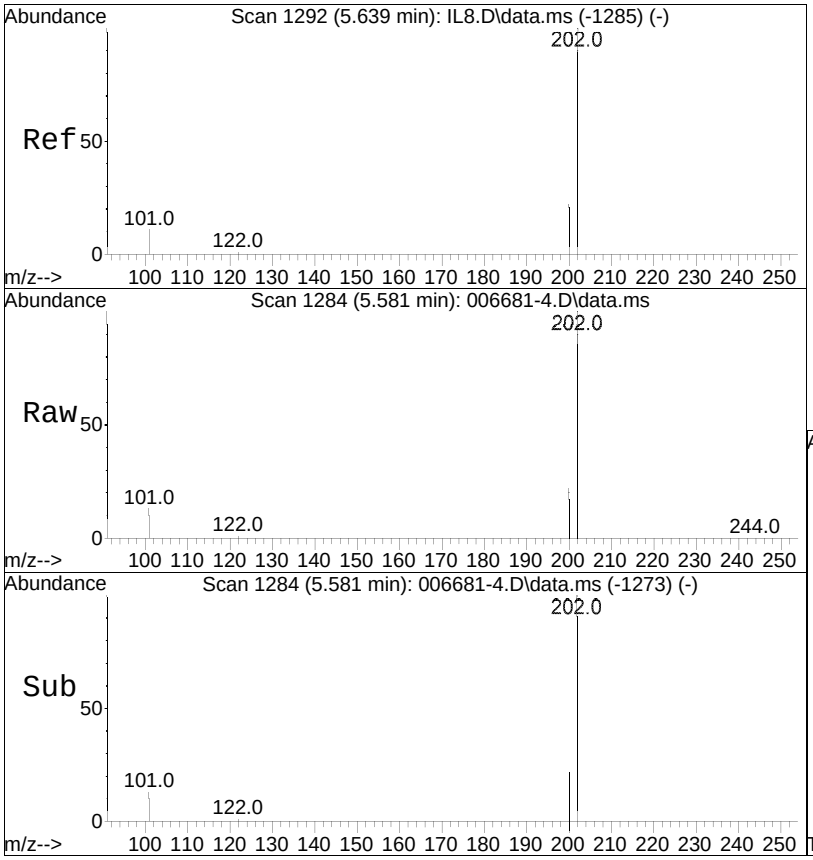


#28
Fluoranthene
Concen: 1888.44 ng/ml
RT: 5.451 min Scan# 1248
Delta R.T. -0.030 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:202 Resp: 1645477

Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.7	11.5

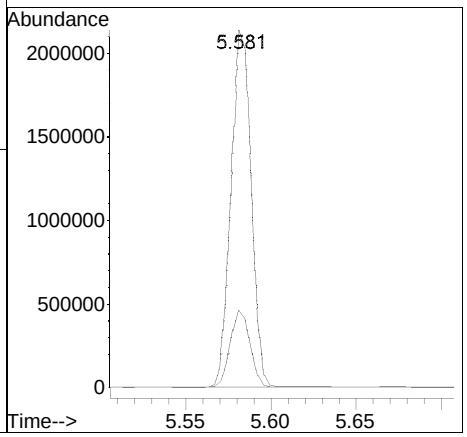


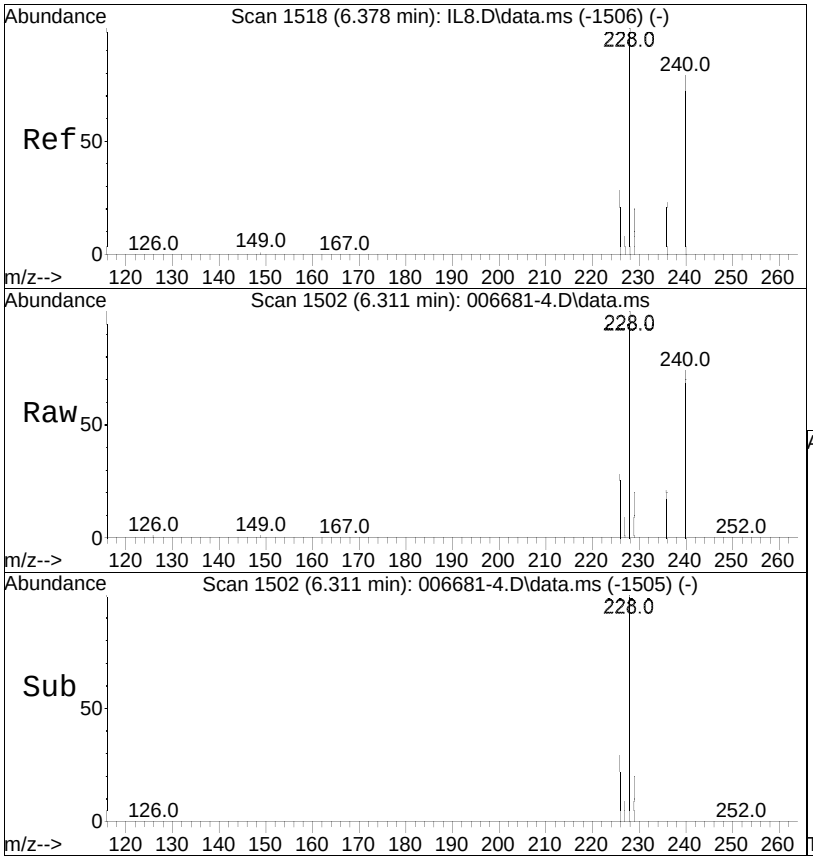


#29
Pyrene
Concen: 1889.82 ng/ml
RT: 5.581 min Scan# 1284
Delta R.T. -0.041 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:202 Resp: 1740172

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9

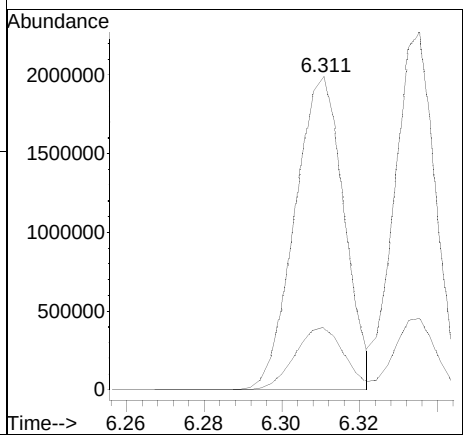


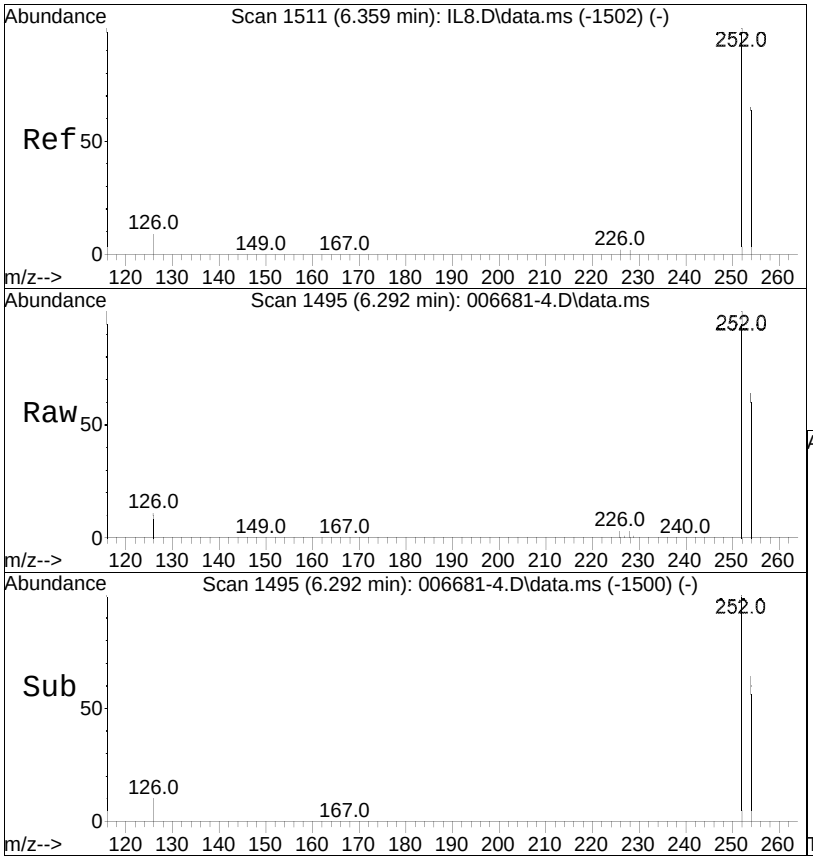


#32
Benzo[a]anthracene
Concen: 2136.49 ng/ml M3
RT: 6.311 min Scan# 1502
Delta R.T. -0.089 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:228 Resp: 1751973

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.9	23.9

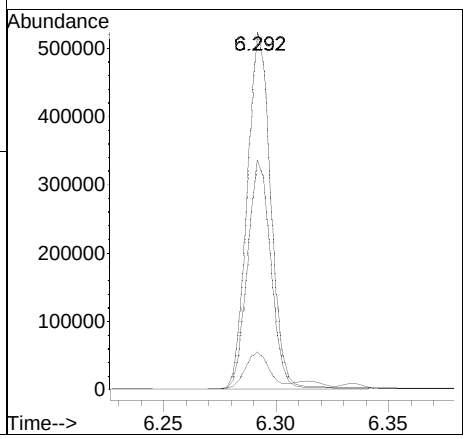


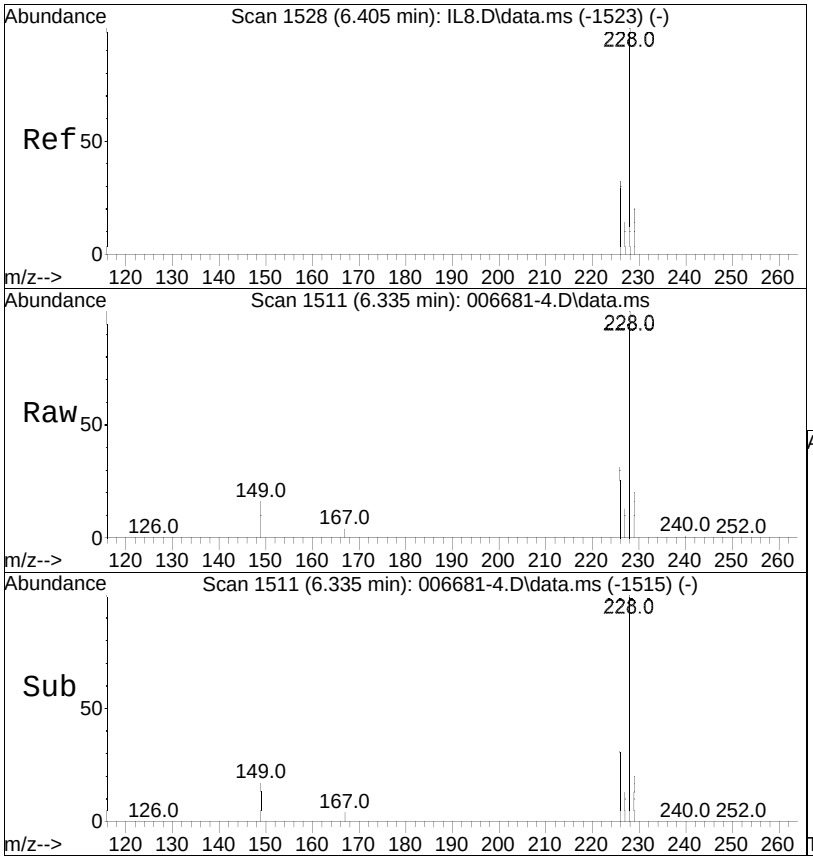


#33
3,3'-Dichlorobenzidine
Concen: 1233.06 ng/ml M4
RT: 6.292 min Scan# 1495
Delta R.T. -0.095 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:252 Resp: 375691

Ion	Ratio	Lower	Upper
252	100		
126	12.1	7.8	11.8#
254	63.9	51.8	77.8

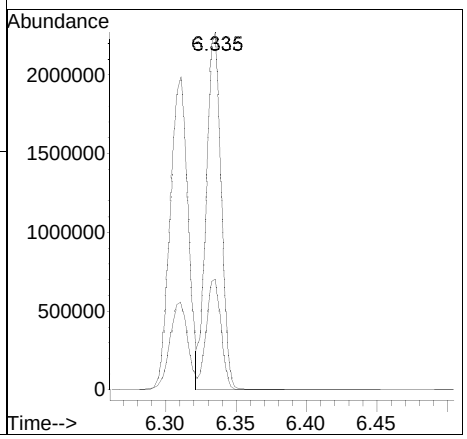


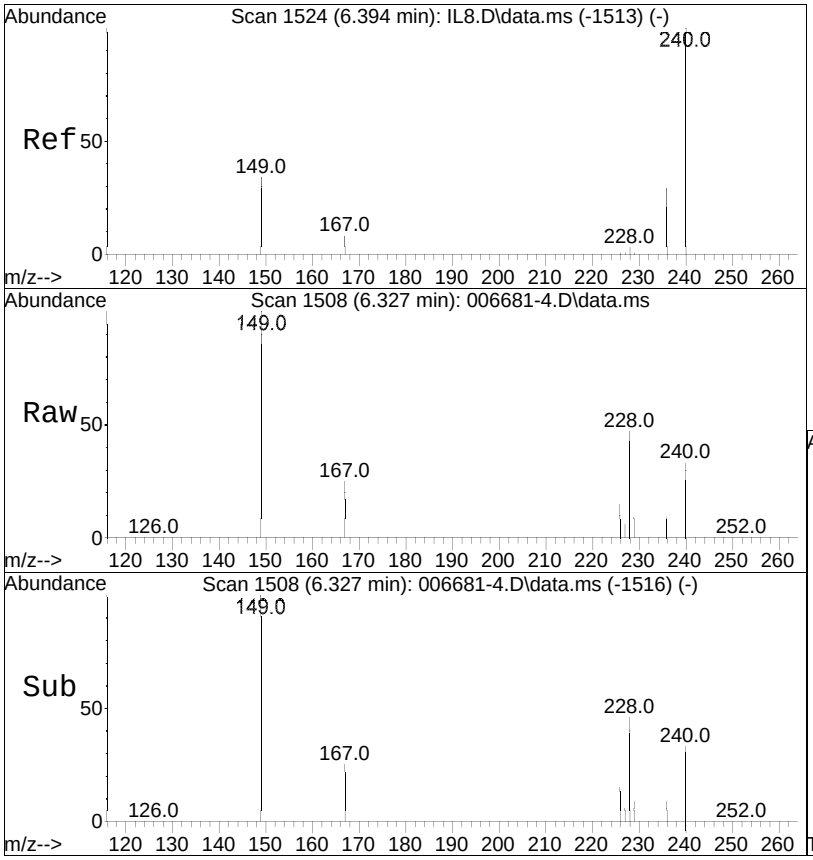


#34
Chrysene
Concen: 2155.43 ng/ml M6
RT: 6.335 min Scan# 1511
Delta R.T. -0.092 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:228 Resp: 1658354

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6

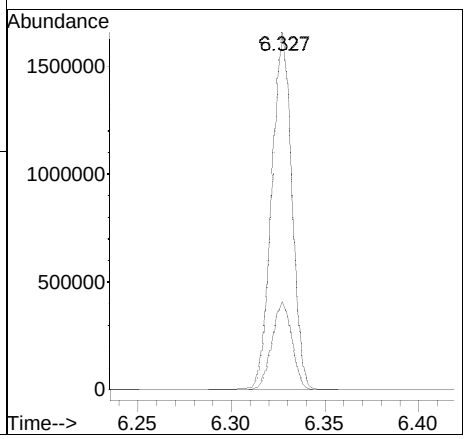


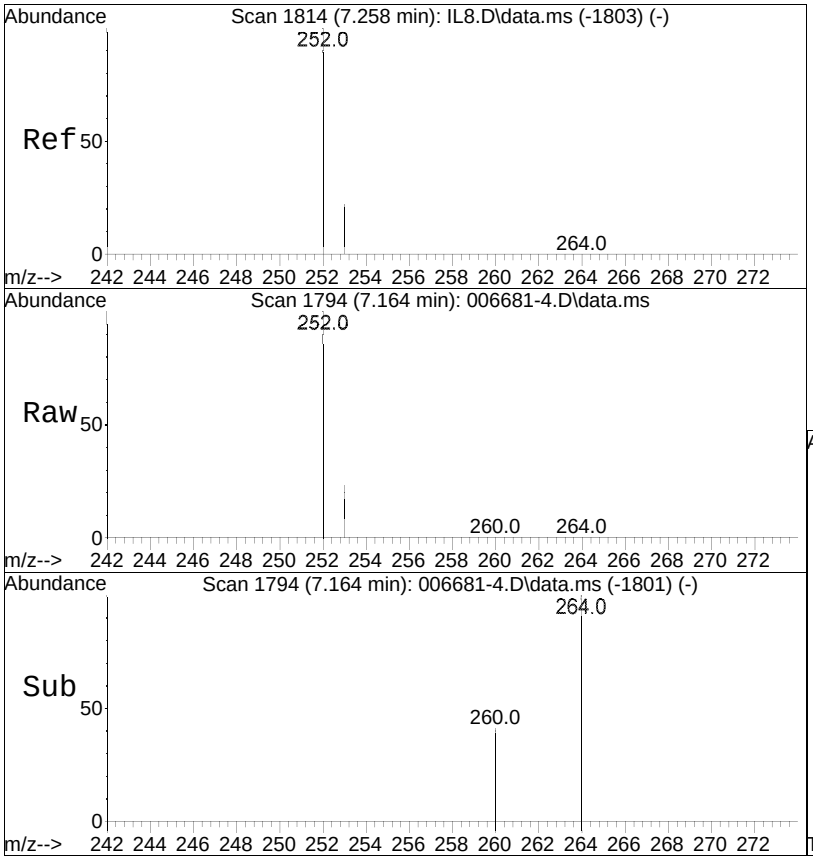


#35
Bis(2-ethylhexyl)phthalate
Concen: 2783.11 ng/ml M3
RT: 6.327 min Scan# 1508
Delta R.T. -0.103 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:149 Resp: 1225135

Ion	Ratio	Lower	Upper
149	100		
167	24.5	19.0	28.4

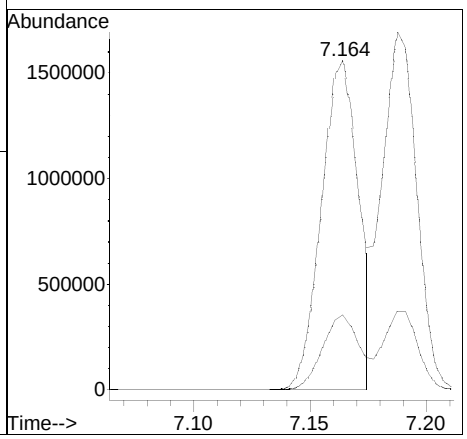


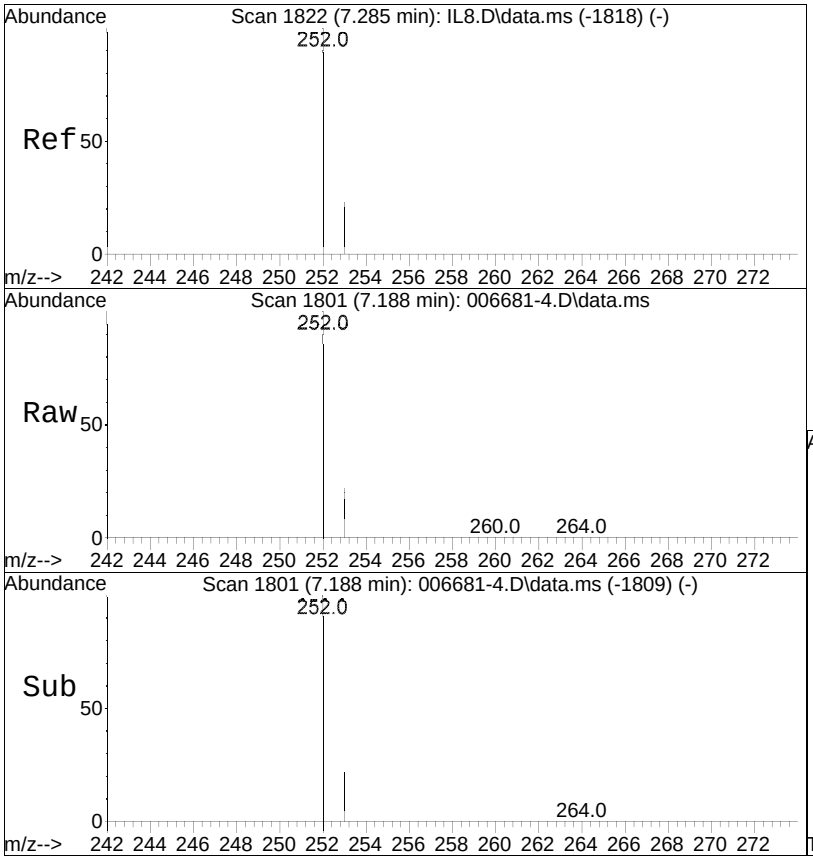


#37
Benzo[b]fluoranthene
Concen: 2015.33 ng/ml M6
RT: 7.164 min Scan# 1794
Delta R.T. -0.102 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:252 Resp: 1711534

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.6	26.4

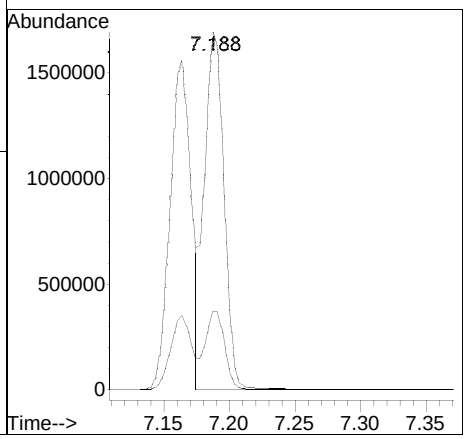


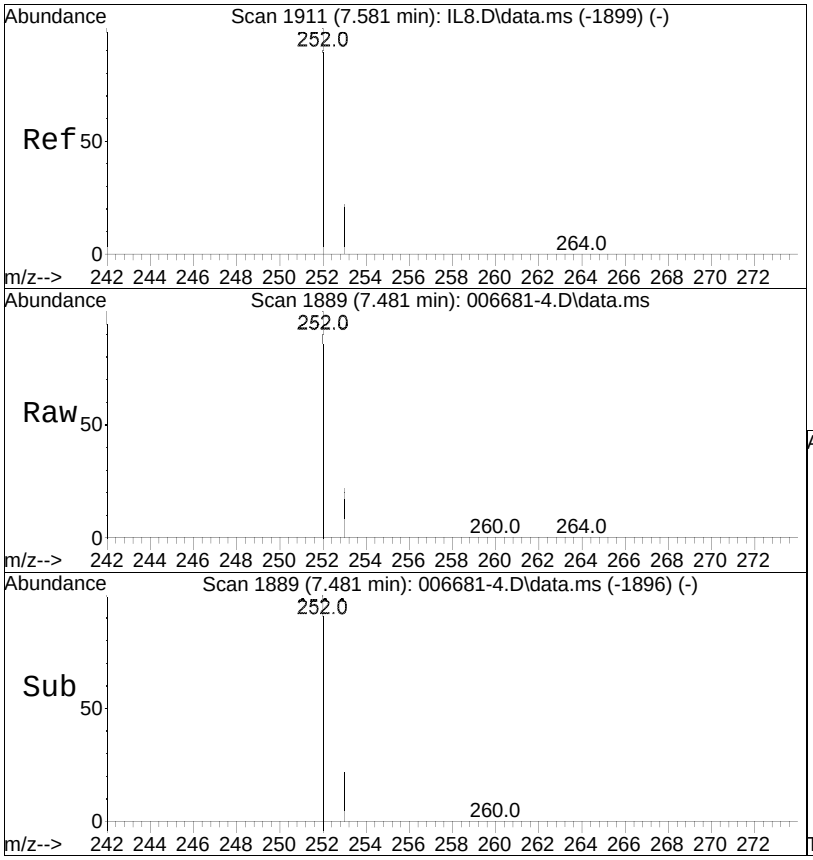


#38
Benzo[k]fluoranthene
Concen: 2277.71 ng/ml M1
RT: 7.188 min Scan# 1801
Delta R.T. -0.105 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:252 Resp: 1767789

Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.8	26.8

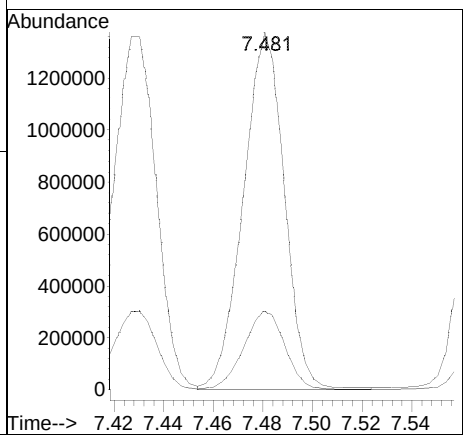


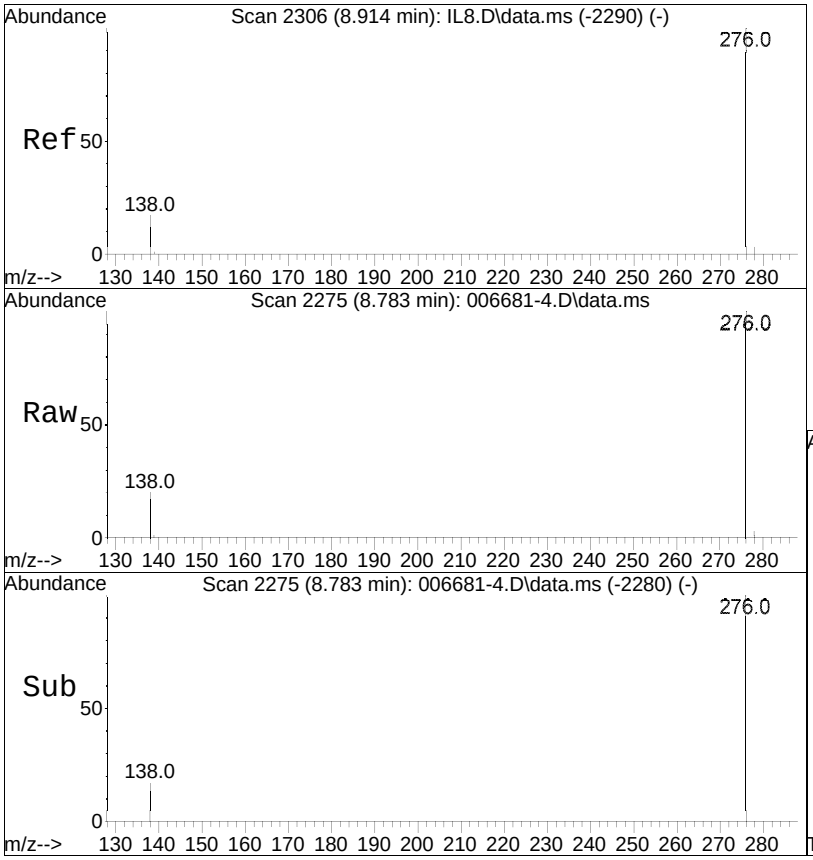


#39
Benzo[a]pyrene
Concen: 2240.29 ng/ml M3
RT: 7.481 min Scan# 1889
Delta R.T. -0.102 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:252 Resp: 1577953

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3

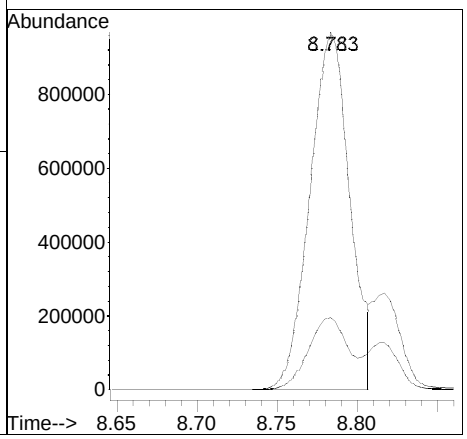


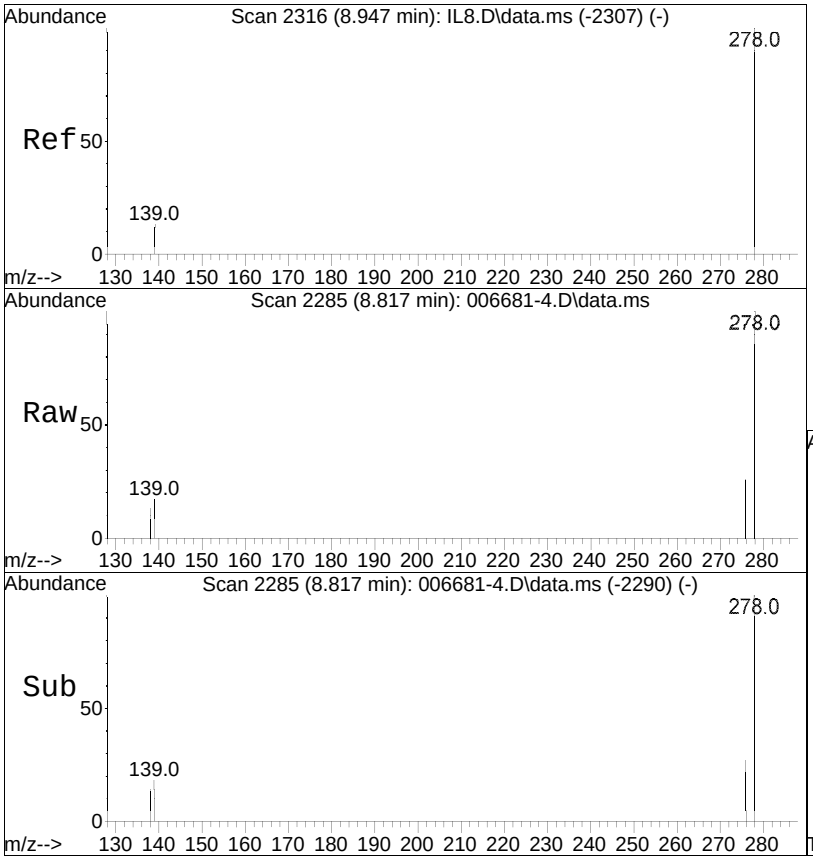


#40
Indeno[1,2,3-cd]pyrene
Concen: 2194.62 ng/ml M2
RT: 8.783 min Scan# 2275
Delta R.T. -0.095 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:276 Resp: 1660131

Ion	Ratio	Lower	Upper
276	100		
138	20.0	13.3	19.9#

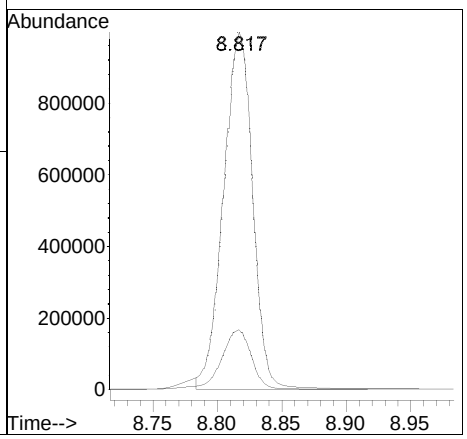


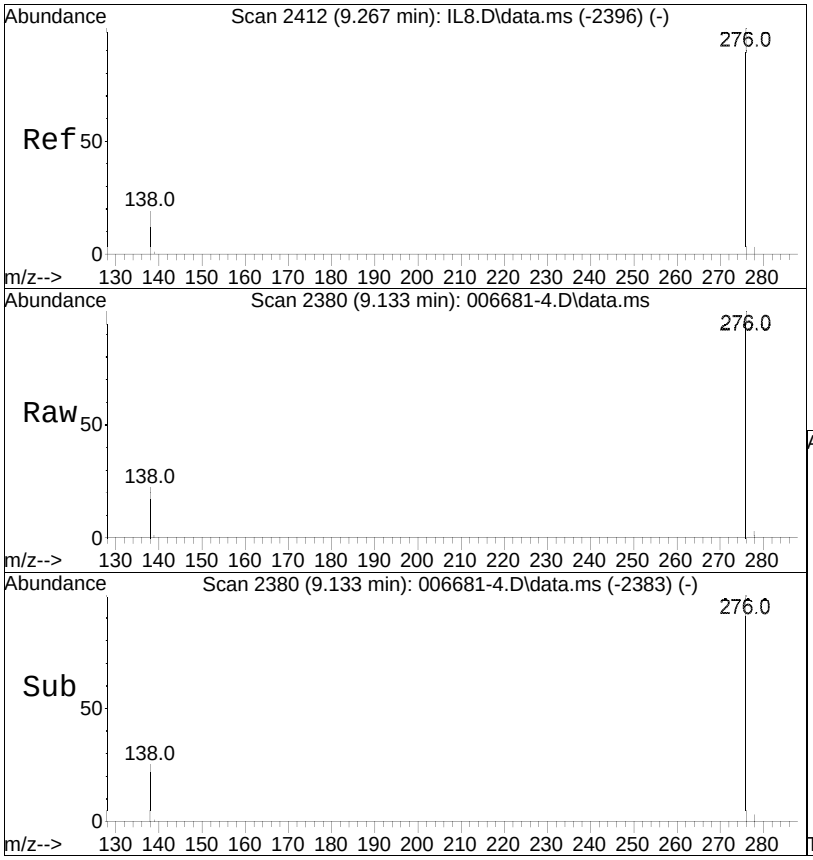


#41
Dibenzo[a,h]anthracene
Concen: 2234.45 ng/ml M2
RT: 8.817 min Scan# 2285
Delta R.T. -0.095 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:278 Resp: 1556895

Ion	Ratio	Lower	Upper
278	100		
139	16.7	11.1	16.7#

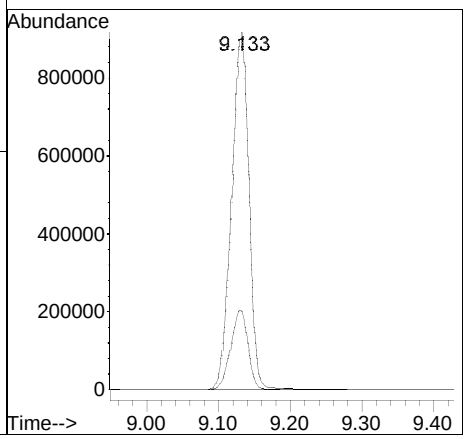




#42
Benzo[g,h,i]perylene
Concen: 2055.30 ng/ml M2
RT: 9.133 min Scan# 2380
Delta R.T. -0.089 min
Lab File: 006681-4.D
Acq: 09 Dec 2024 02:44 pm

Tgt Ion:276 Resp: 1510617

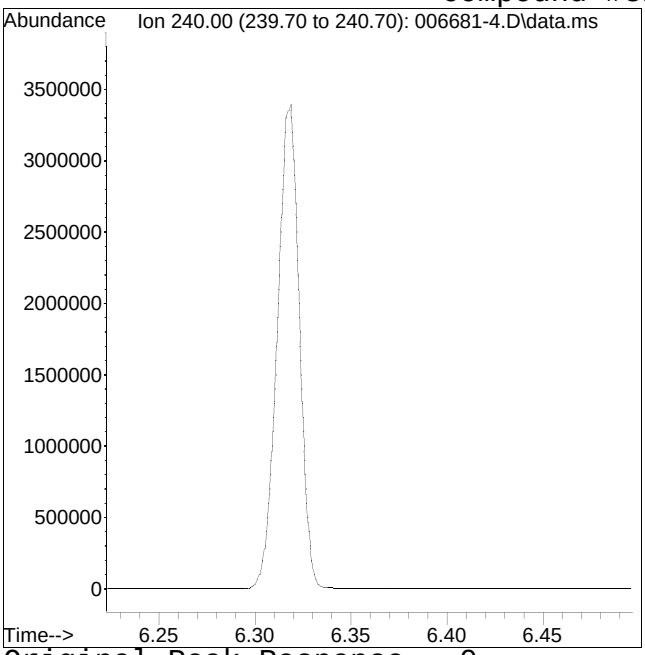
Ion	Ratio	Lower	Upper
276	100		
138	22.4	14.6	22.0#



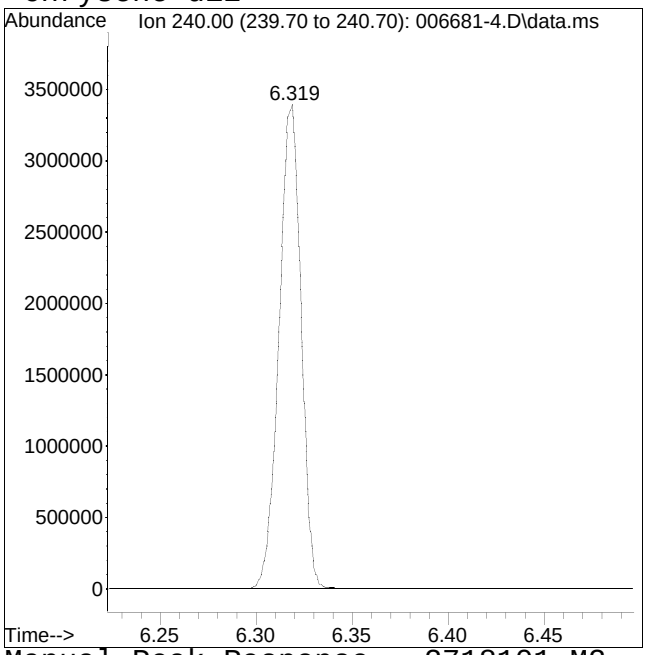
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-4.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 2:44 pm Instrument : SV125
Sample : WG2006681-4,32,,kmh Quant Date : 12/9/2024 3:00 pm

Compound #31: Chrysene-d12



Original Peak Response = 0



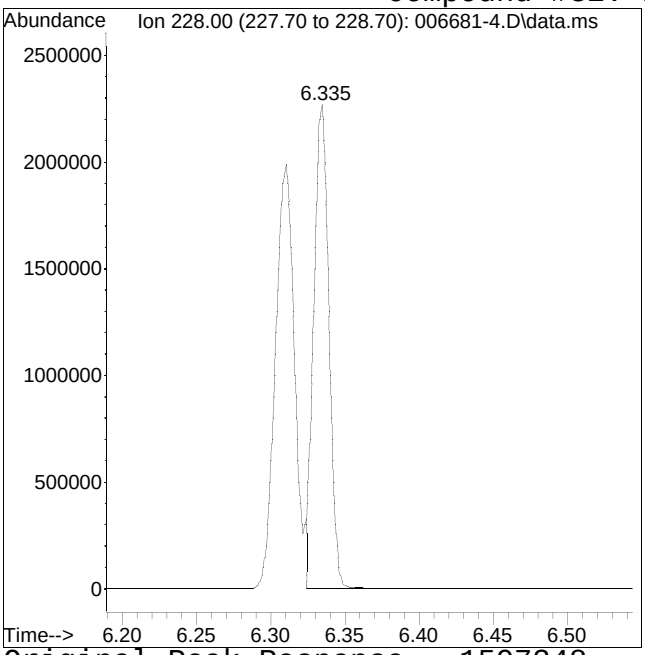
Manual Peak Response = 2718101 M2

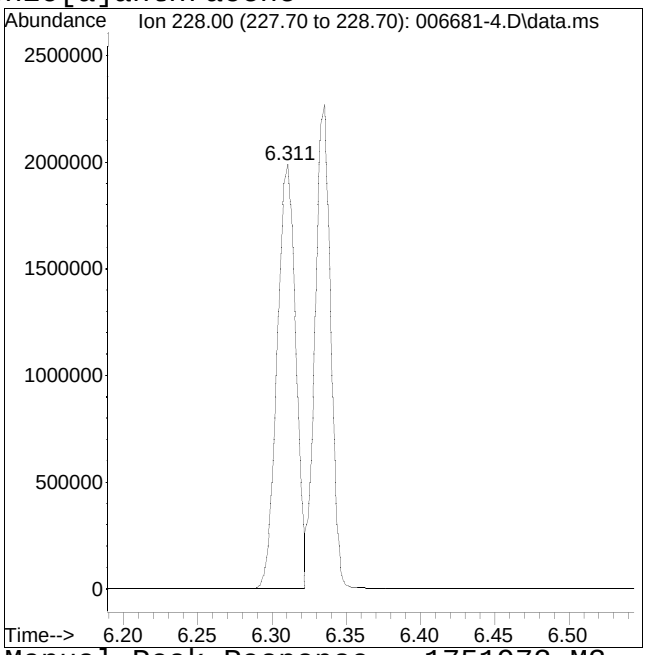
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-4.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 2:44 pm Instrument : SV125
Sample : WG2006681-4,32,,kmh Quant Date : 12/9/2024 3:00 pm

Compound #32: Benzo[a]anthracene



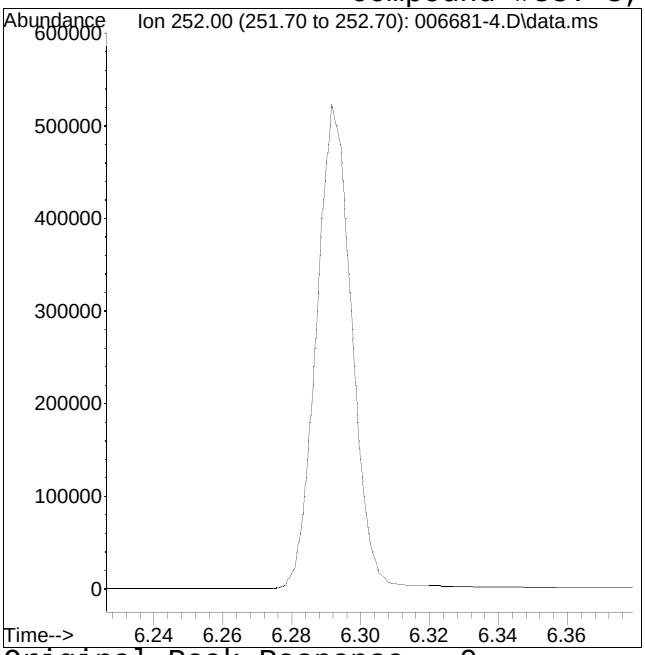


Original Peak Response = 1597348 Manual Peak Response = 1751973 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

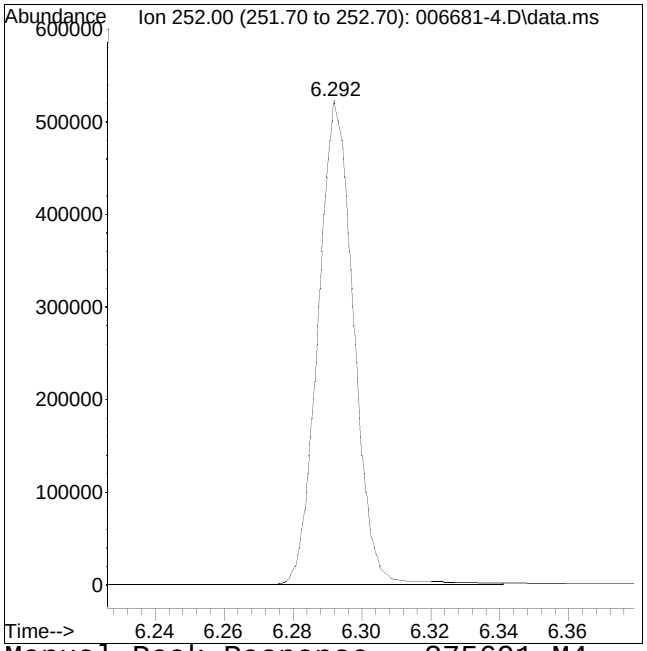
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-4.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 2:44 pm Instrument : SV125
Sample : WG2006681-4,32,,kmh Quant Date : 12/9/2024 3:00 pm

Compound #33: 3,3'-Dichlorobenzidine



Original Peak Response = 0



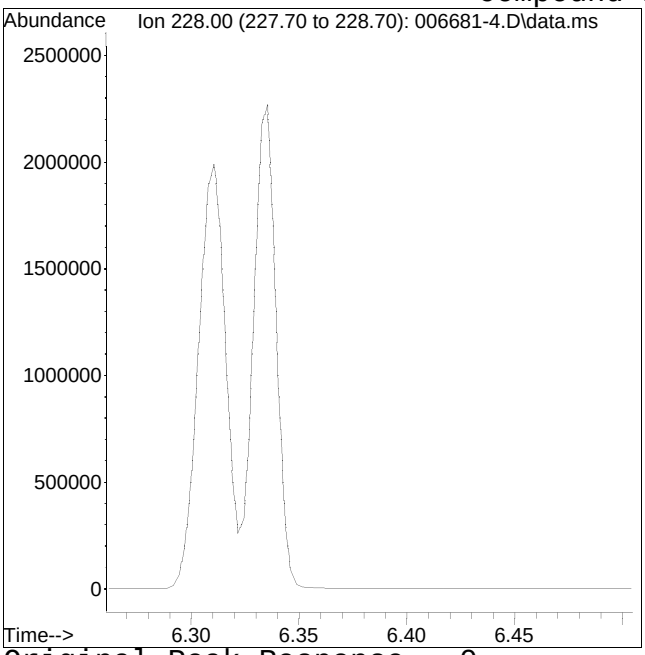
Manual Peak Response = 375691 M4

M4 = Poor automated baseline construction.

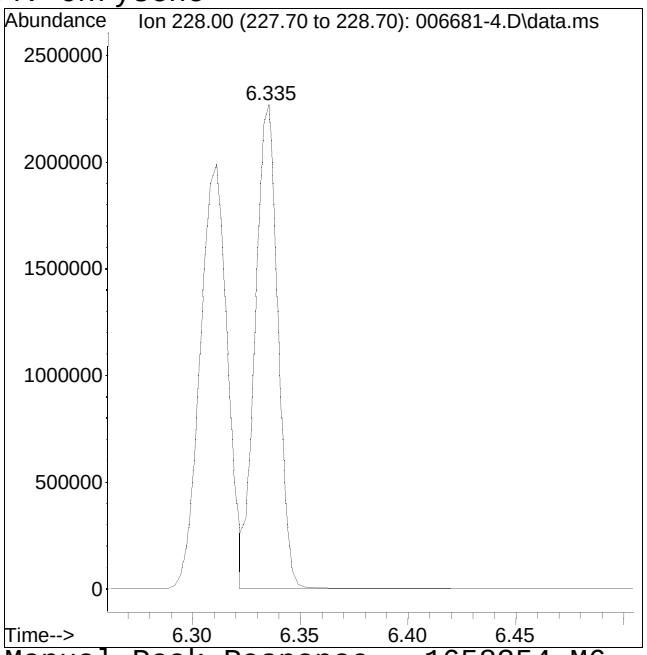
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-4.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 2:44 pm Instrument : SV125
Sample : WG2006681-4,32,,kmh Quant Date : 12/9/2024 3:00 pm

Compound #34: Chrysene



Original Peak Response = 0



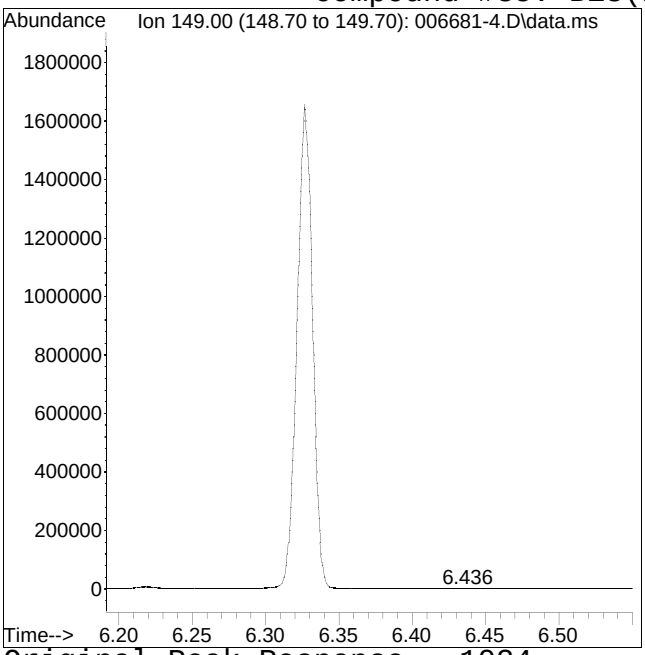
Manual Peak Response = 1658354 M6

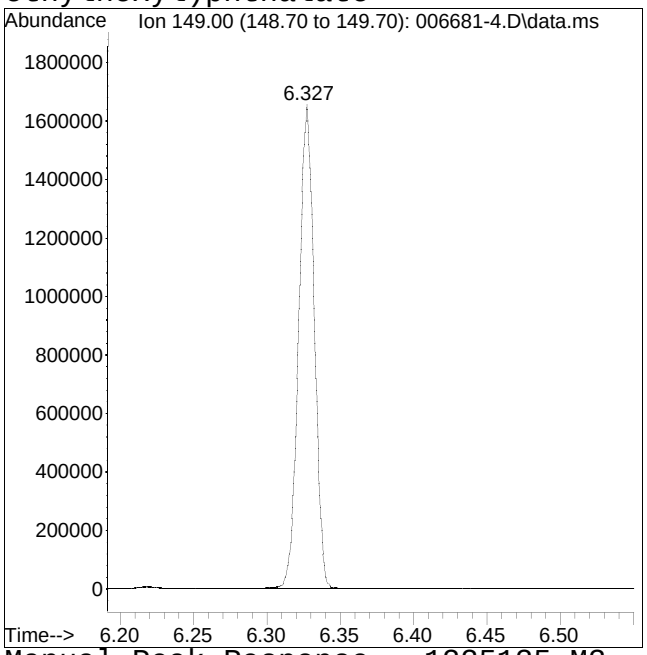
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-4.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 2:44 pm Instrument : SV125
Sample : WG2006681-4,32,,kmh Quant Date : 12/9/2024 3:00 pm

Compound #35: Bis(2-ethylhexyl)phthalate



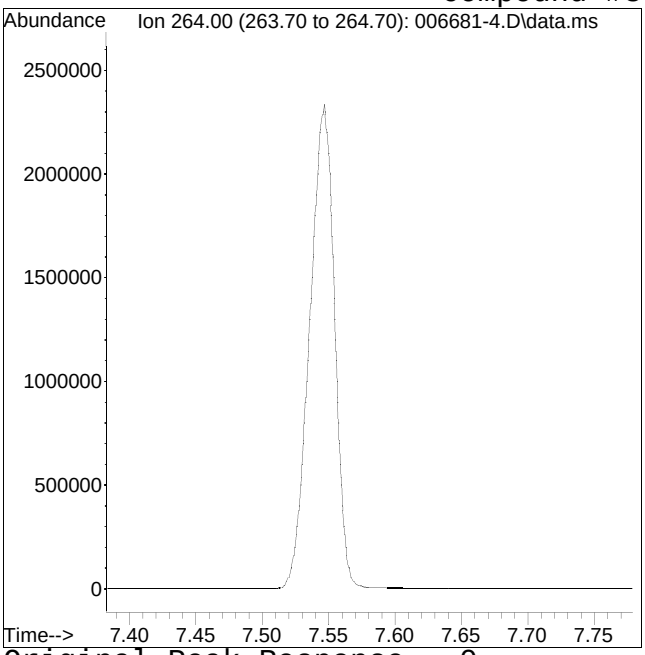


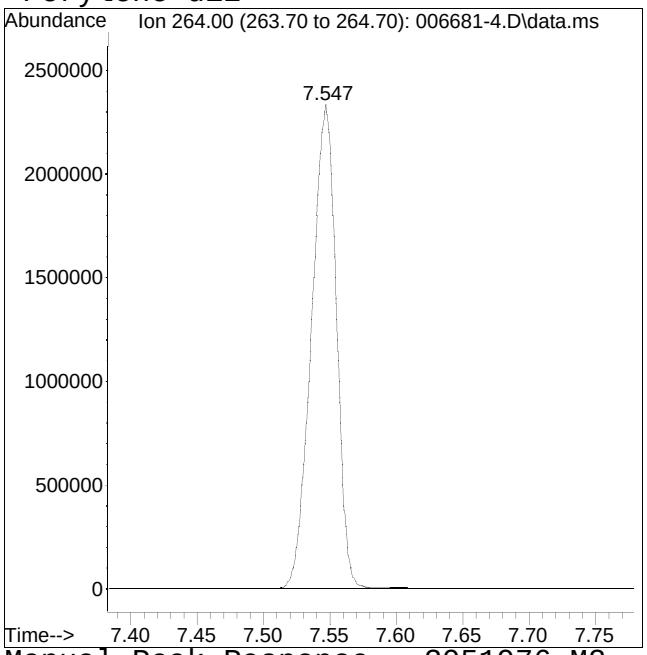
Original Peak Response = 1024 Manual Peak Response = 1225135 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-4.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 2:44 pm Instrument : SV125
Sample : WG2006681-4,32,,kmh Quant Date : 12/9/2024 3:00 pm

Compound #36: Perylene-d12



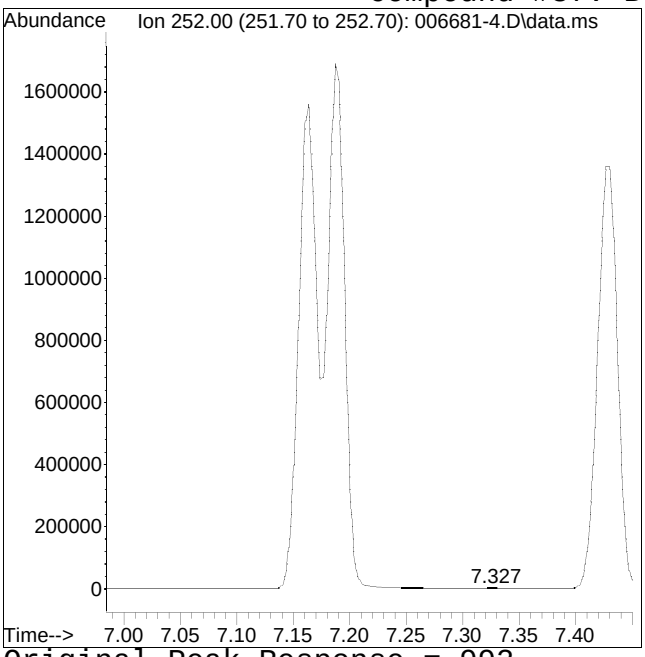


Original Peak Response = 0 Manual Peak Response = 3051976 M2
M2 = Peak not found by automatic integration algorithm.

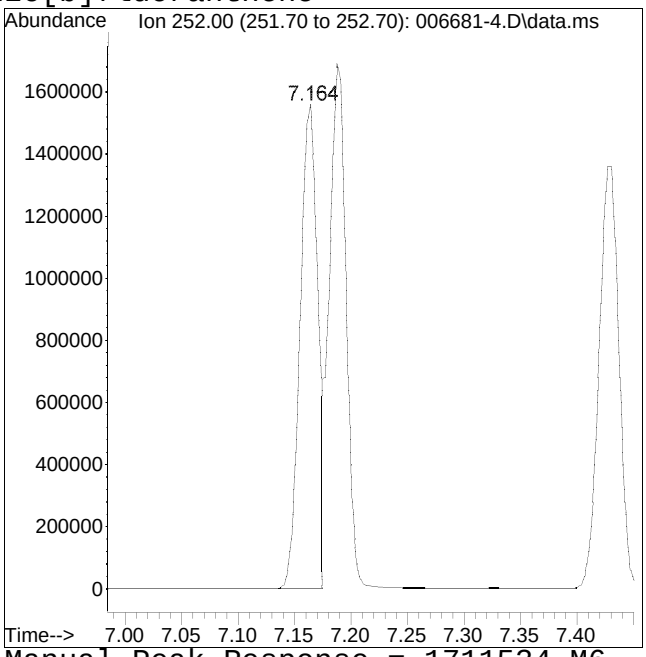
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-4.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 2:44 pm Instrument : SV125
Sample : WG2006681-4,32,,kmh Quant Date : 12/9/2024 3:00 pm

Compound #37: Benzo[b]fluoranthene



Original Peak Response = 992



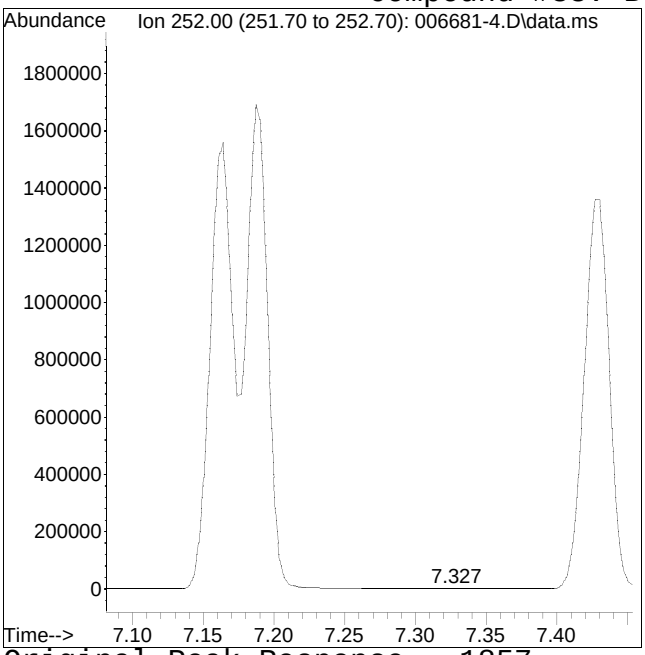
Manual Peak Response = 1711534 M6

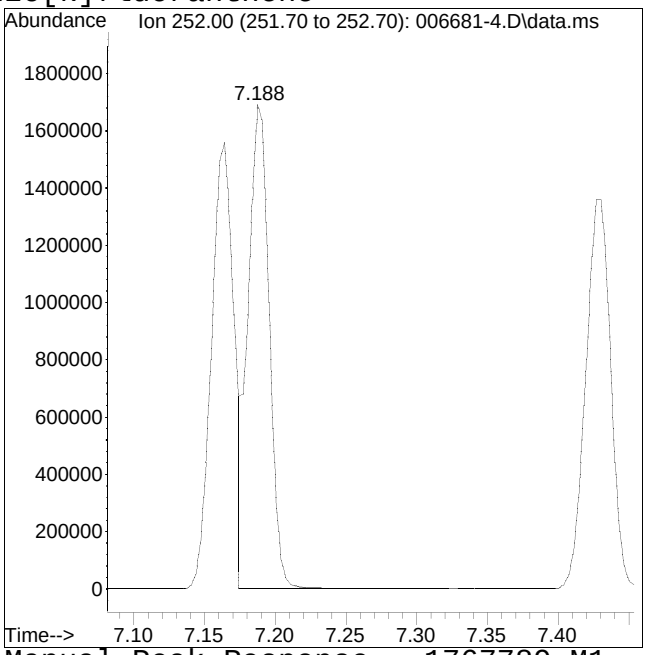
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-4.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 2:44 pm Instrument : SV125
Sample : WG2006681-4,32,,kmh Quant Date : 12/9/2024 3:00 pm

Compound #38: Benzo[k]fluoranthene



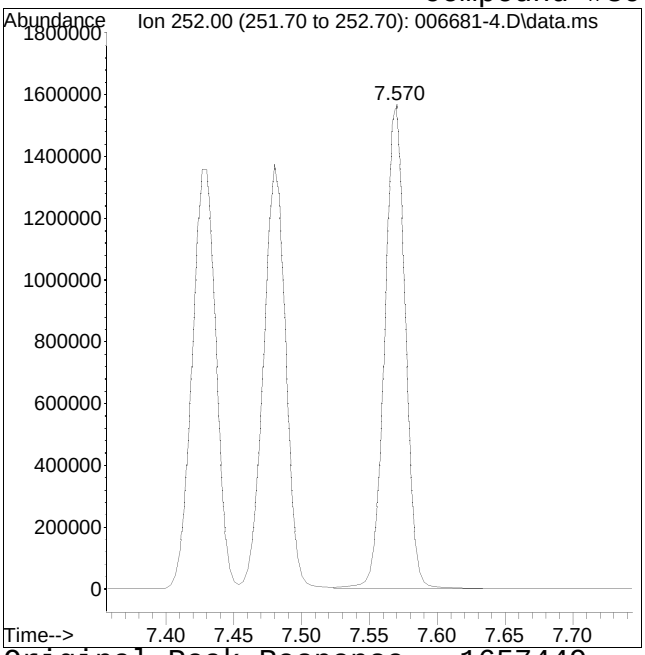


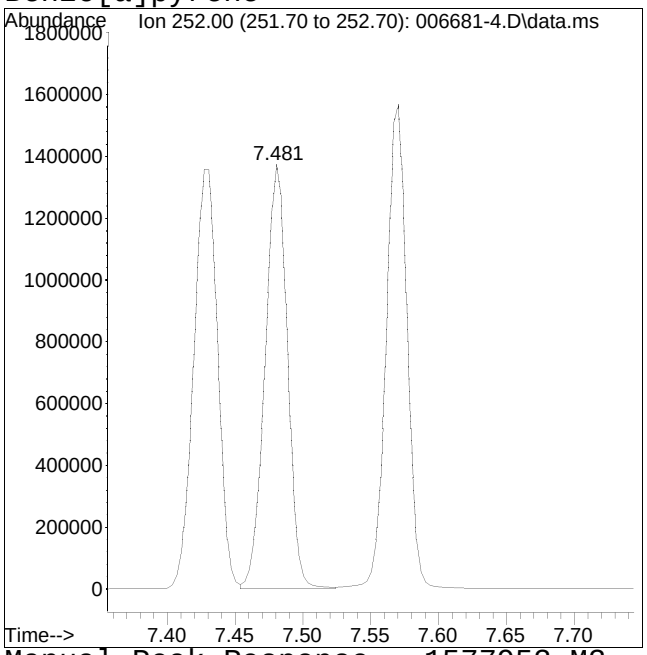
Original Peak Response = 1857 Manual Peak Response = 1767789 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-4.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 2:44 pm Instrument : SV125
Sample : WG2006681-4,32,,kmh Quant Date : 12/9/2024 3:00 pm

Compound #39: Benzo[a]pyrene





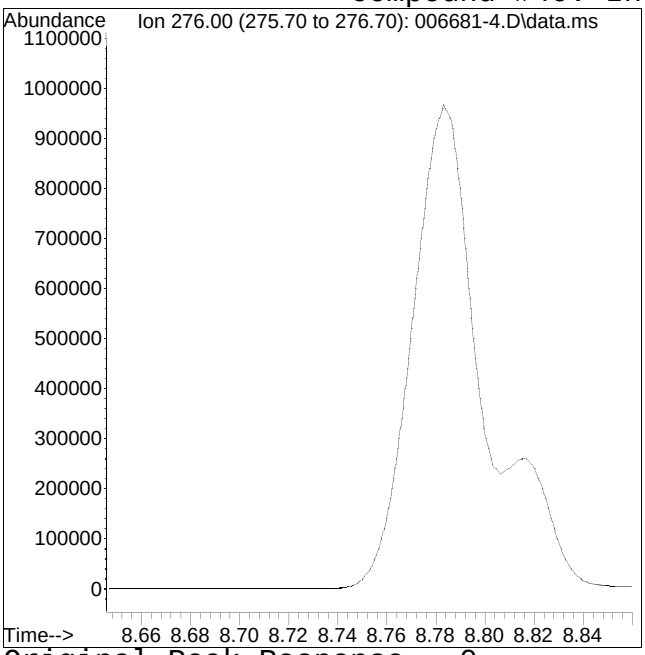
Original Peak Response = 1657449 Manual Peak Response = 1577953 M3

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.

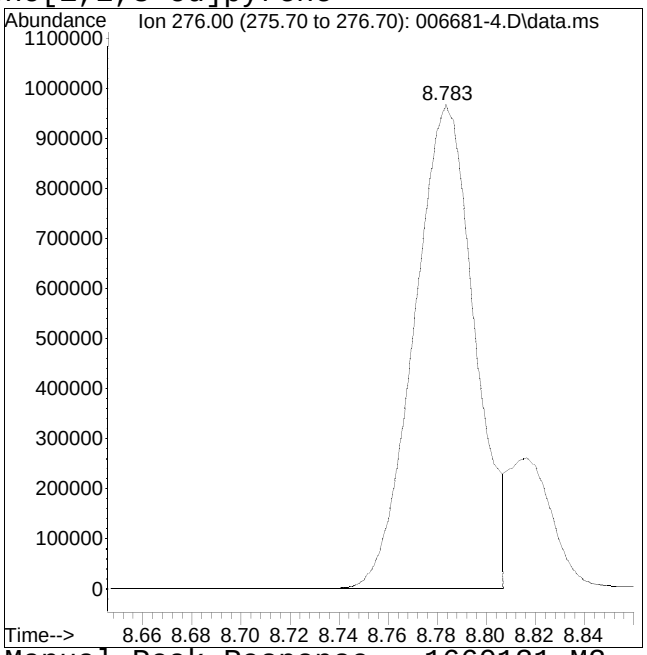
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-4.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 2:44 pm Instrument : SV125
Sample : WG2006681-4,32,,kmh Quant Date : 12/9/2024 3:00 pm

Compound #40: Indeno[1,2,3-cd]pyrene



Original Peak Response = 0



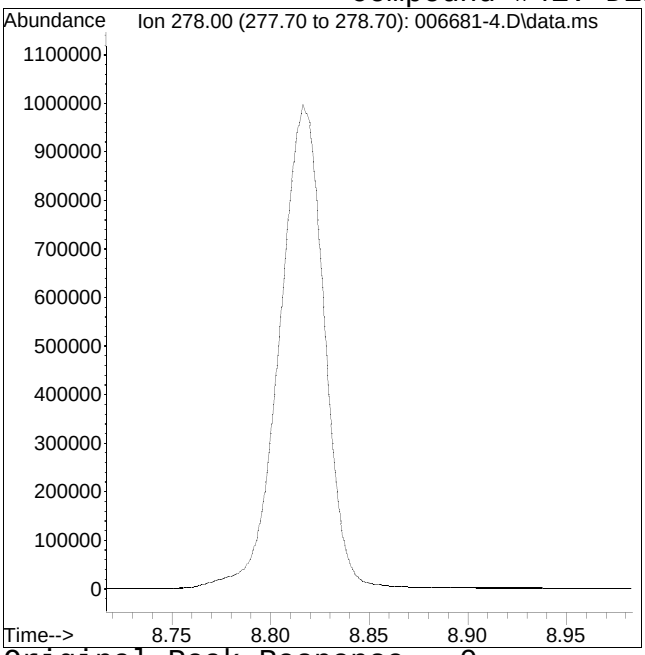
Manual Peak Response = 1660131 M2

M2 = Peak not found by automatic integration algorithm.

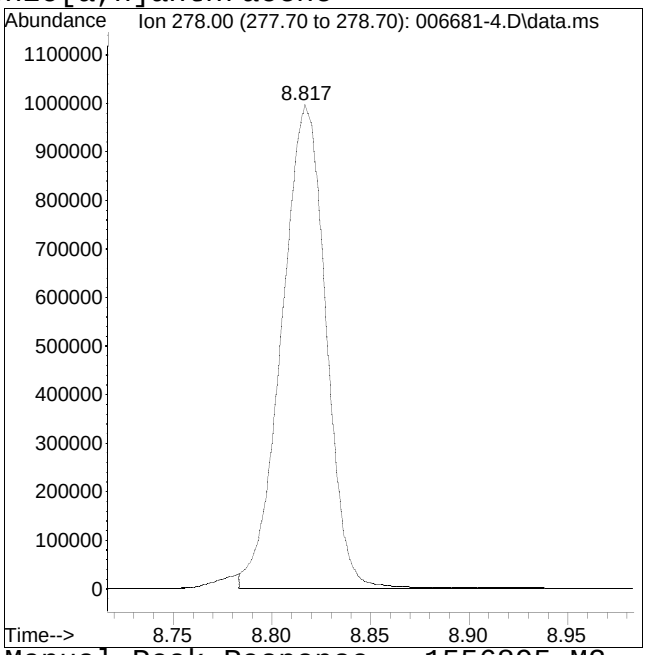
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-4.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 2:44 pm Instrument : SV125
Sample : WG2006681-4,32,,kmh Quant Date : 12/9/2024 3:00 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 0



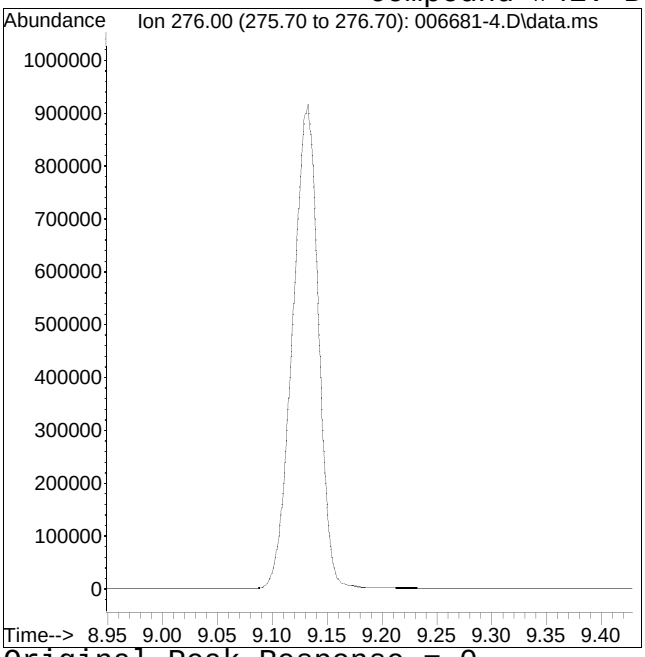
Manual Peak Response = 1556895 M2

M2 = Peak not found by automatic integration algorithm.

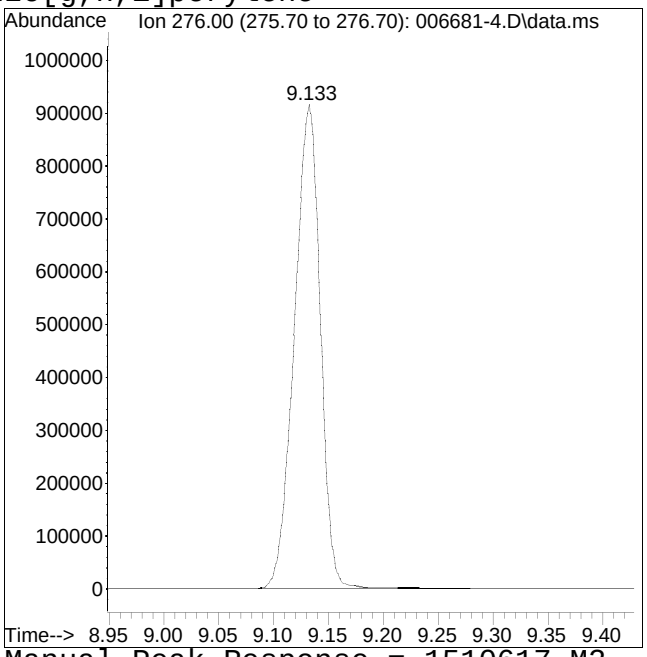
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-4.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 2:44 pm Instrument : SV125
Sample : WG2006681-4,32,,kmh Quant Date : 12/9/2024 3:00 pm

Compound #42: Benzo[g,h,i]perylene



Original Peak Response = 0



Manual Peak Response = 1510617 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-5.D
Acq On : 05 Dec 2024 02:16 pm
Operator : SV125:dv
Sample : WG2005370-5,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 06 11:10:30 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.293	152	671314	4000.000	ng/ml	0.00
Standard Area 1 = 632709			Recovery	= 106.10%		
8) Naphthalene-d8	2.952	136	2567466	4000.000	ng/ml	0.00
Standard Area 1 = 2356386			Recovery	= 108.96%		
17) Acenaphthene-d10	3.927	164	1468146	4000.000	ng/ml	0.00
Standard Area 1 = 1484083			Recovery	= 98.93%		
22) Phenanthrene-d10	4.767	188	2895089	4000.000	ng/ml	0.00
Standard Area 1 = 3199114			Recovery	= 90.50%		
31) Chrysene-d12	6.314	240	2836332	4000.000	ng/ml	0.00
Standard Area 1 = 3334220			Recovery	= 85.07%		
36) Perylene-d12	7.537	264	3275290	4000.000	ng/ml	-0.01
Standard Area 1 = 3903811			Recovery	= 83.90%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.710	112	217191	1204.075	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 60.20%		
3) Phenol-d6	2.106	99	193036	845.534	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 42.28%		
7) Nitrobenzene-d5	2.571	82	177514	913.276	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 91.33%		
13) 2-Fluorobiphenyl	3.544	172	479257	839.113	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 83.91%		
21) 2,4,6-Tribromophenol	4.375	330	182495	2291.839	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 114.59%#		
30) 4-Terphenyl-d14	5.672	244	648524	971.550	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 97.15%		
Target Compounds						Qvalue
6) Hexachloroethane	2.549	117	124650	1477.072	ng/ml	96
9) Naphthalene	2.962	128	1190708	1727.043	ng/ml	99
10) Hexachlorobutadiene	3.033	225	185514	1316.076	ng/ml	100
11) 2-Methylnaphthalene	3.342	142	805912	1733.740	ng/ml	98
14) 2-Chloronaphthalene	3.610	162	840415	1726.367	ng/ml	93
16) Acenaphthylene	3.846	152	1343261	1944.060	ng/ml	100
18) Acenaphthene	3.946	153	949438	2006.290	ng/ml	98
20) Fluorene	4.234	166	1095801	2097.387	ng/ml	98
24) Hexachlorobenzene	4.554	284	391840	2110.803	ng/ml	98
25) Pentachlorophenol	4.664	266	253074	2314.354	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-5.D
Acq On : 05 Dec 2024 02:16 pm
Operator : SV125:dv
Sample : WG2005370-5,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 06 11:10:30 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241205RVT\ccv1205.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.780	178	1764429	2205.235	ng/ml	100
27) Anthracene	4.809	178	1784680	2316.485	ng/ml	100
28) Fluoranthene	5.455	202	2115992	2302.630	ng/ml	97
29) Pyrene	5.585	202	2221884	2287.952	ng/ml	100
32) Benzo[a]anthracene	6.306	228	2250248	2632.168	ng/ml	100
34) Chrysene	6.330	228	2147915	2675.362	ng/ml	100
37) Benzo[b]fluoranthene	7.158	252	2445150	2682.863	ng/ml	100
38) Benzo[k]fluoranthene	7.181	252	2139010	2568.097	ng/ml	99
39) Benzo[a]pyrene	7.474	252	2018504	2670.363	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.777	276	2337992	2879.992	ng/ml#	92
41) Dibenzo[a,h]anthracene	8.810	278	2122974M6	2839.142	ng/ml	
42) Benzo[g,h,i]perylene	9.126	276	2120177	2687.973	ng/ml#	91

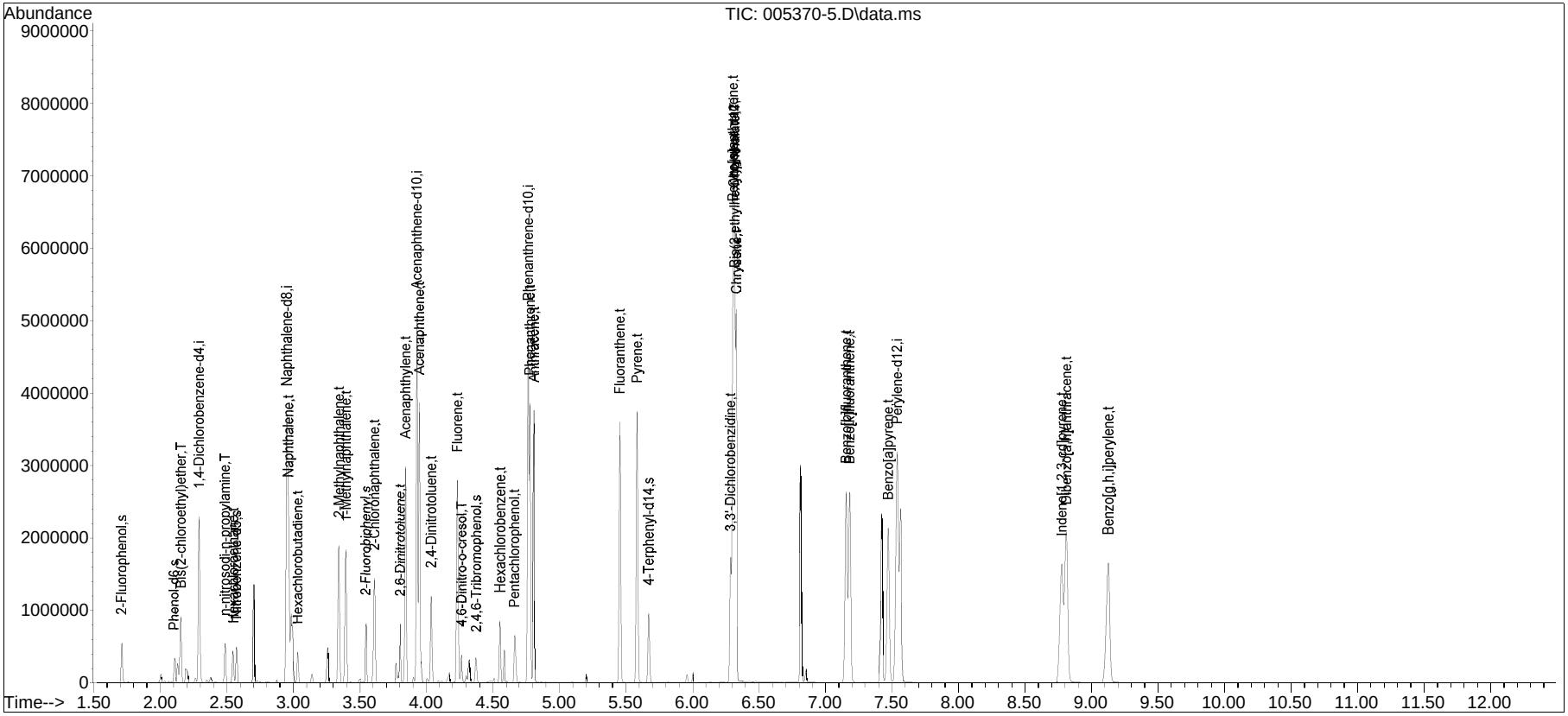
(#) = qualifier out of range (m) = manual integration (+) = signals summed

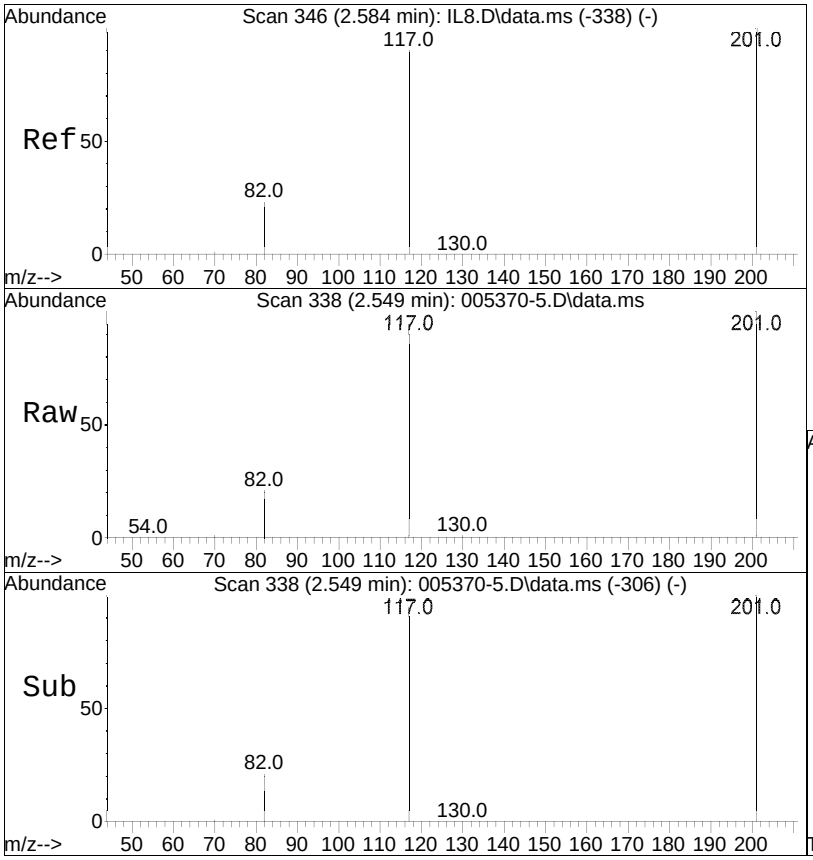
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241205RVT\
Data File : 005370-5.D
Acq On : 05 Dec 2024 02:16 pm
Operator : SV125:dv
Sample : WG2005370-5,32,,kmh
Misc : WG2005685,WG2005370,ical21676
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 06 11:10:30 2024
Quant Method : I:\8270sim\SV125\241205RVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Dec 05 06:51:06 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv1205.D•

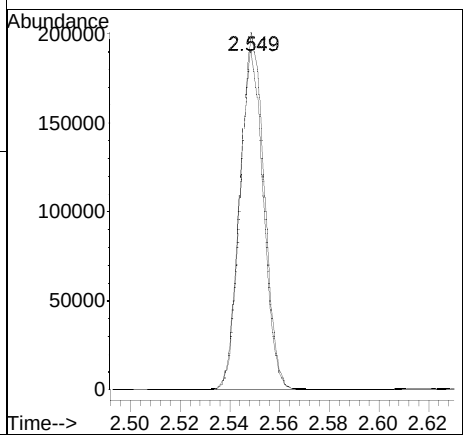


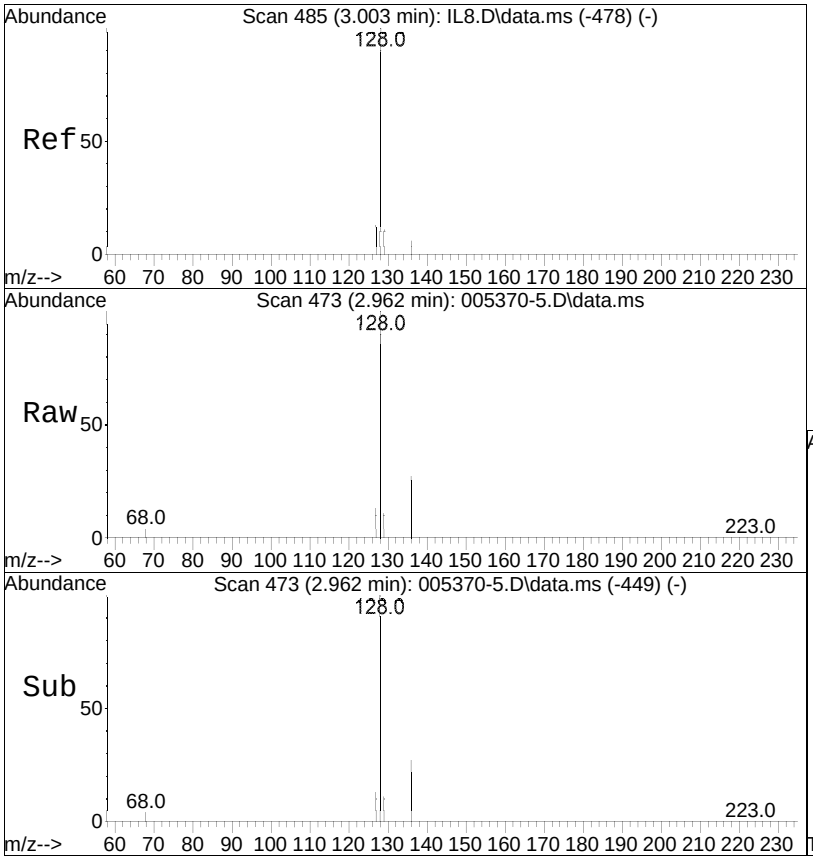


#6
Hexachloroethane
Concen: 1477.07 ng/ml
RT: 2.549 min Scan# 338
Delta R.T. 0.008 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:117 Resp: 124650

Ion	Ratio	Lower	Upper
117	100		
201	105.5	88.0	132.0

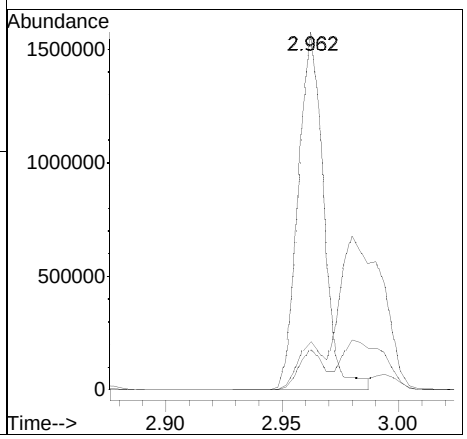


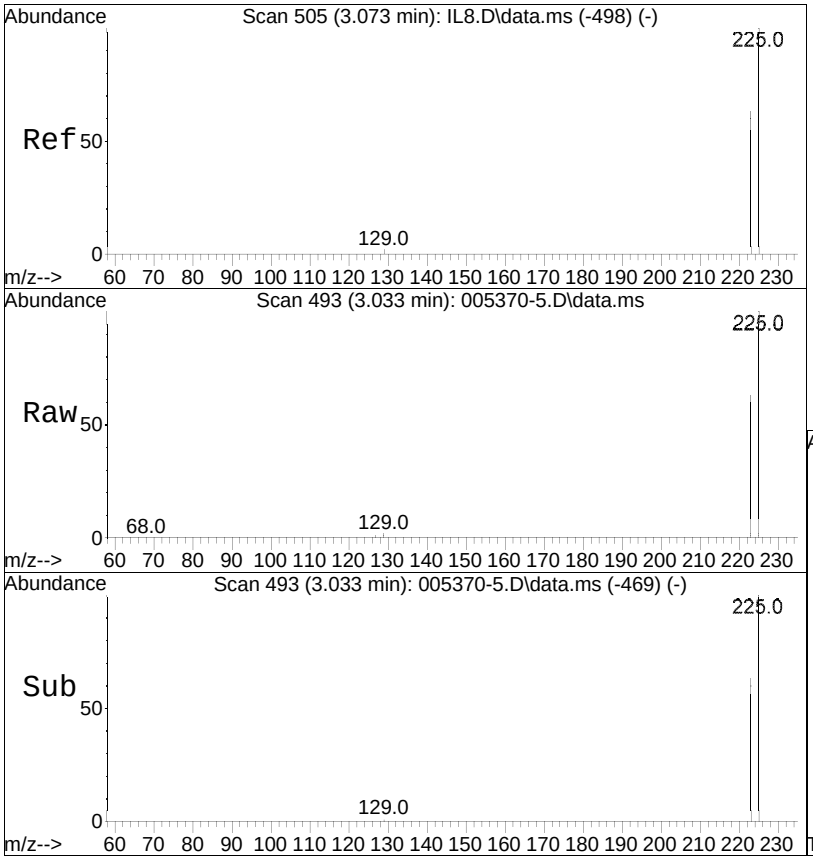


#9
Naphthalene
Concen: 1727.04 ng/ml
RT: 2.962 min Scan# 473
Delta R.T. 0.006 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:128 Resp: 1190708

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	13.8	10.9	16.3

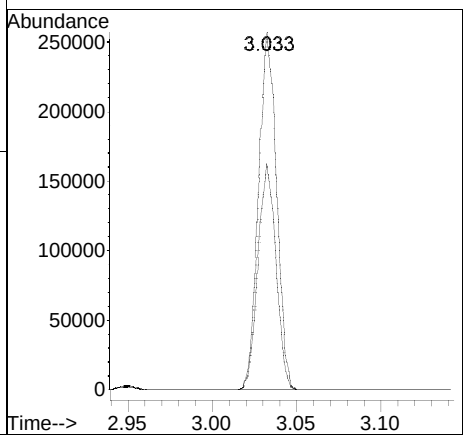


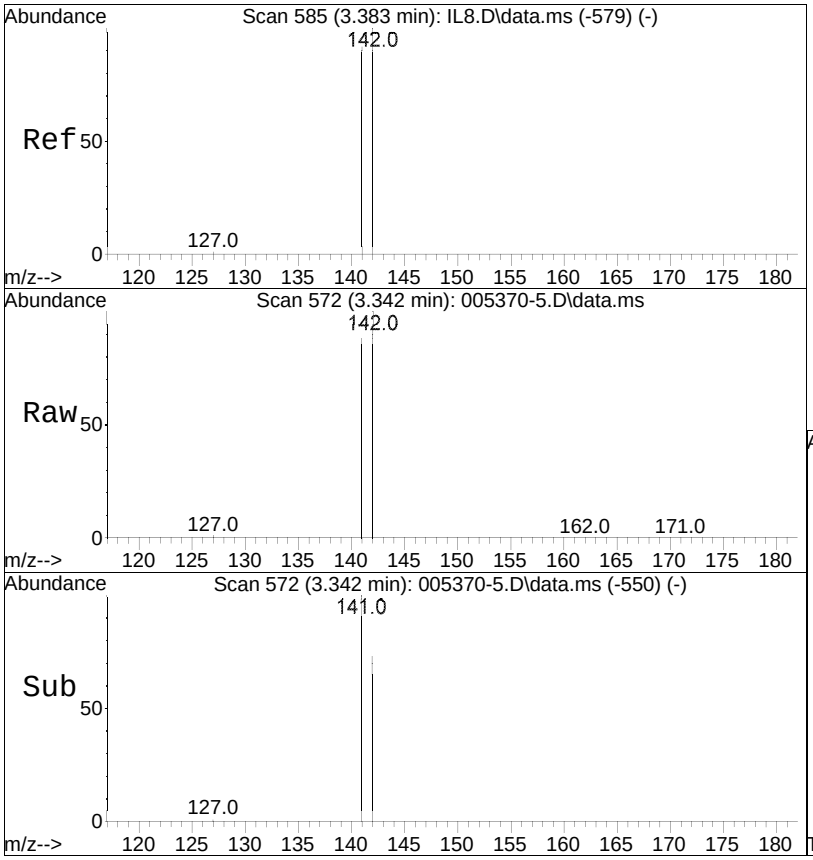


#10
Hexachlorobutadiene
Concen: 1316.08 ng/ml
RT: 3.033 min Scan# 493
Delta R.T. 0.006 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:225 Resp: 185514

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5

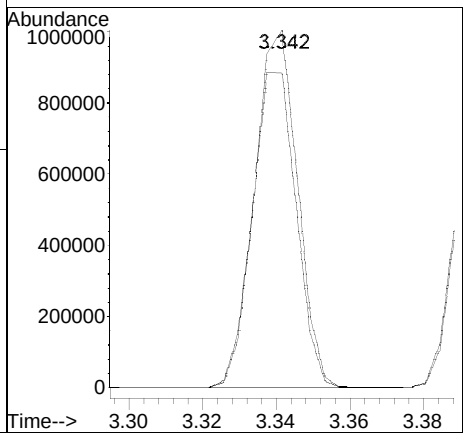


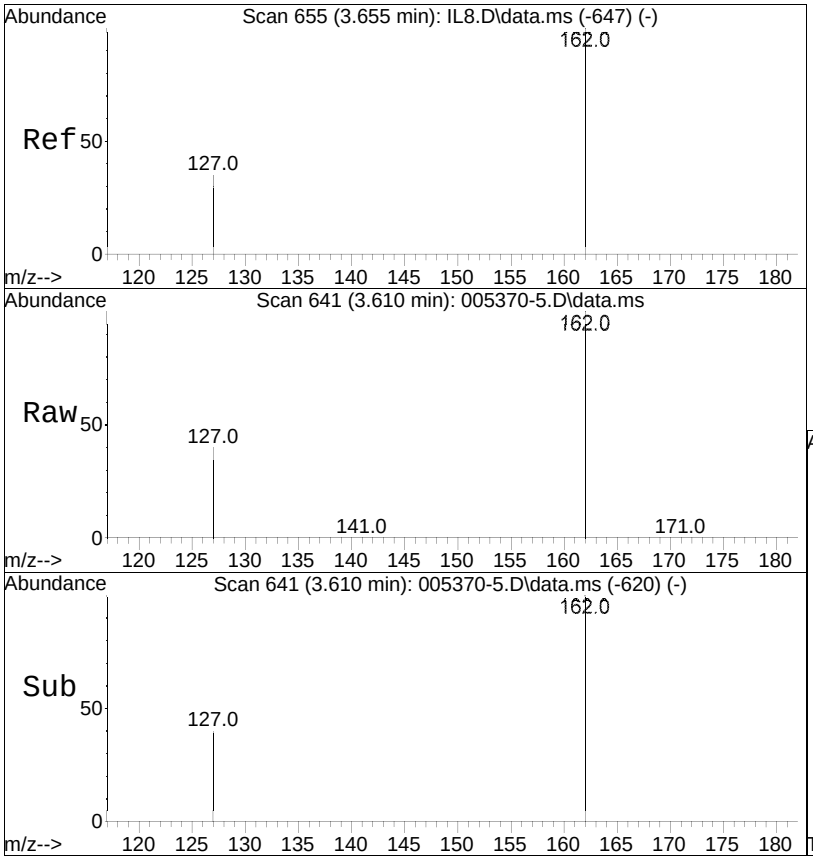


#11
2-Methylnaphthalene
Concen: 1733.74 ng/ml
RT: 3.342 min Scan# 572
Delta R.T. 0.007 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:142 Resp: 805912

Ion	Ratio	Lower	Upper
142	100		
141	91.1	74.0	111.0

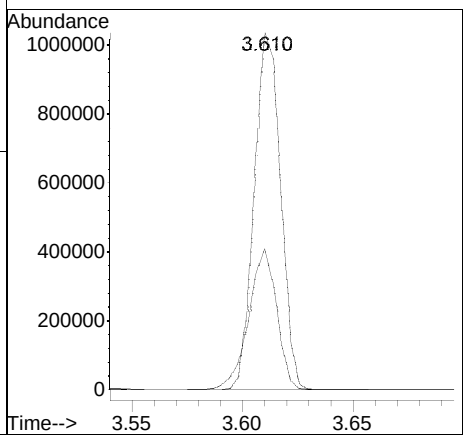


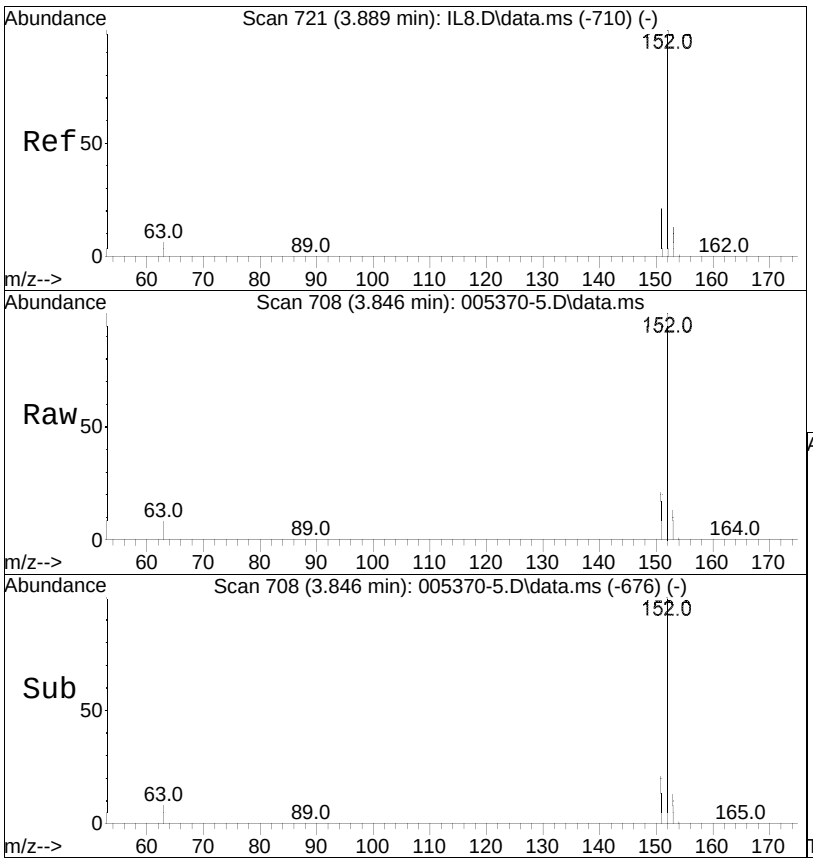


#14
2-Chloronaphthalene
Concen: 1726.37 ng/ml
RT: 3.610 min Scan# 641
Delta R.T. 0.003 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:162 Resp: 840415

Ion	Ratio	Lower	Upper
162	100		
127	42.1	30.1	45.1

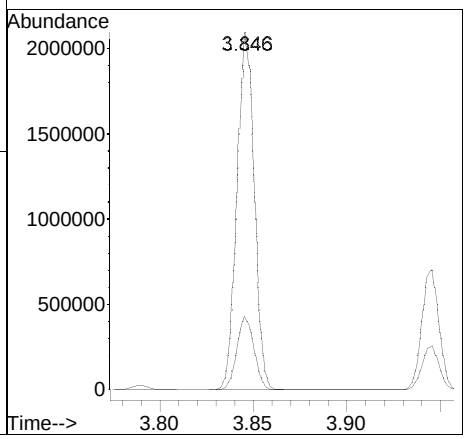


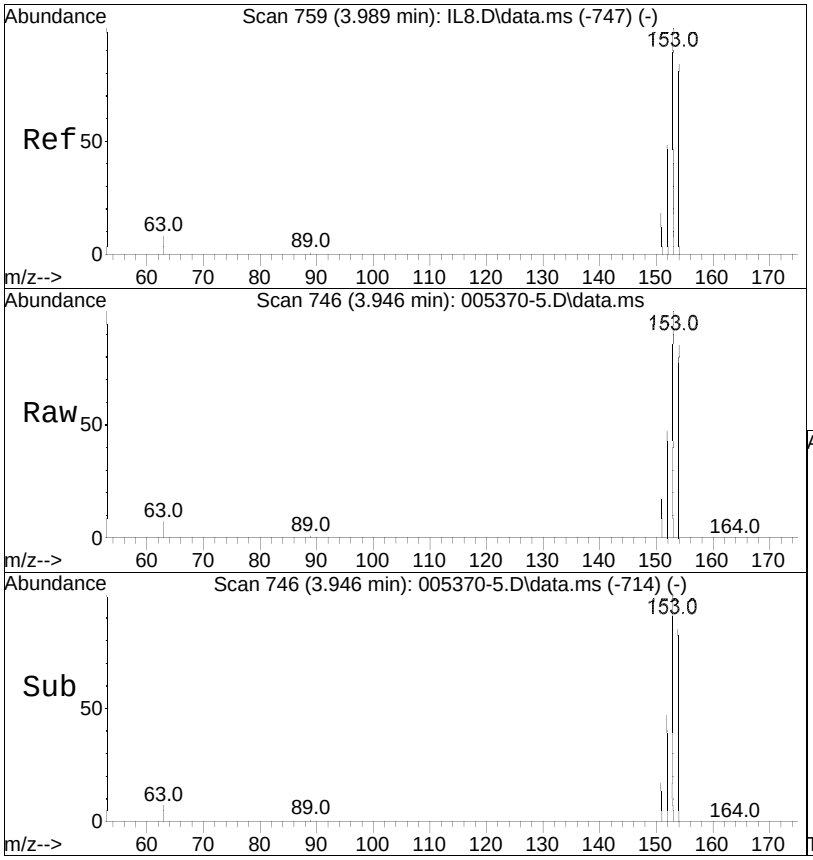


#16
Acenaphthylene
Concen: 1944.06 ng/ml
RT: 3.846 min Scan# 708
Delta R.T. 0.003 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:152 Resp: 1343261

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.5	24.7

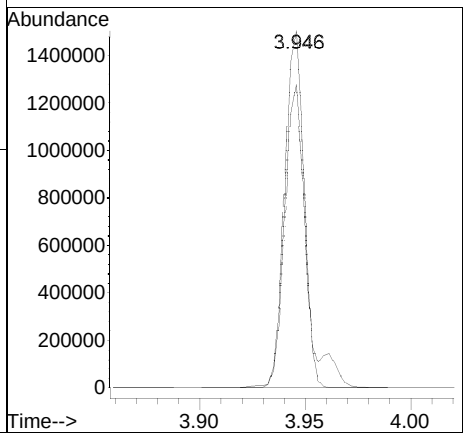


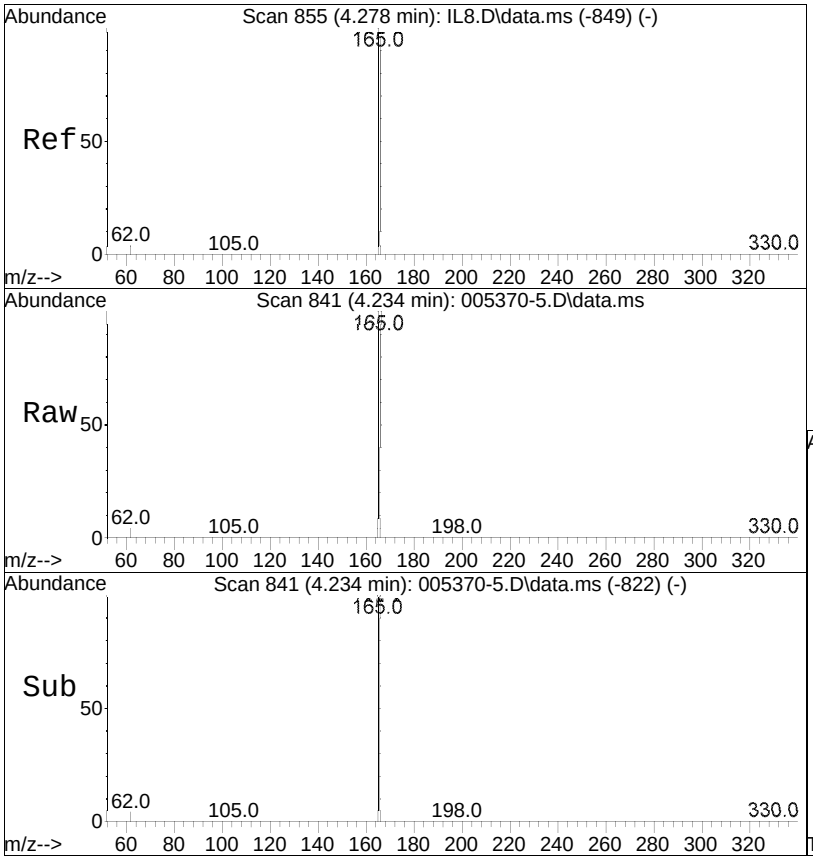


#18
Acenaphthene
Concen: 2006.29 ng/ml
RT: 3.946 min Scan# 746
Delta R.T. 0.003 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:153 Resp: 949438

Ion	Ratio	Lower	Upper
153	100		
154	95.3	74.9	112.3

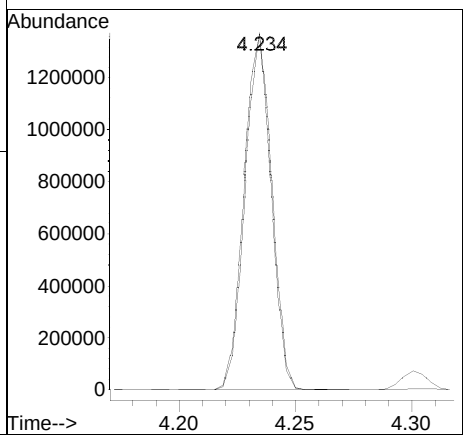


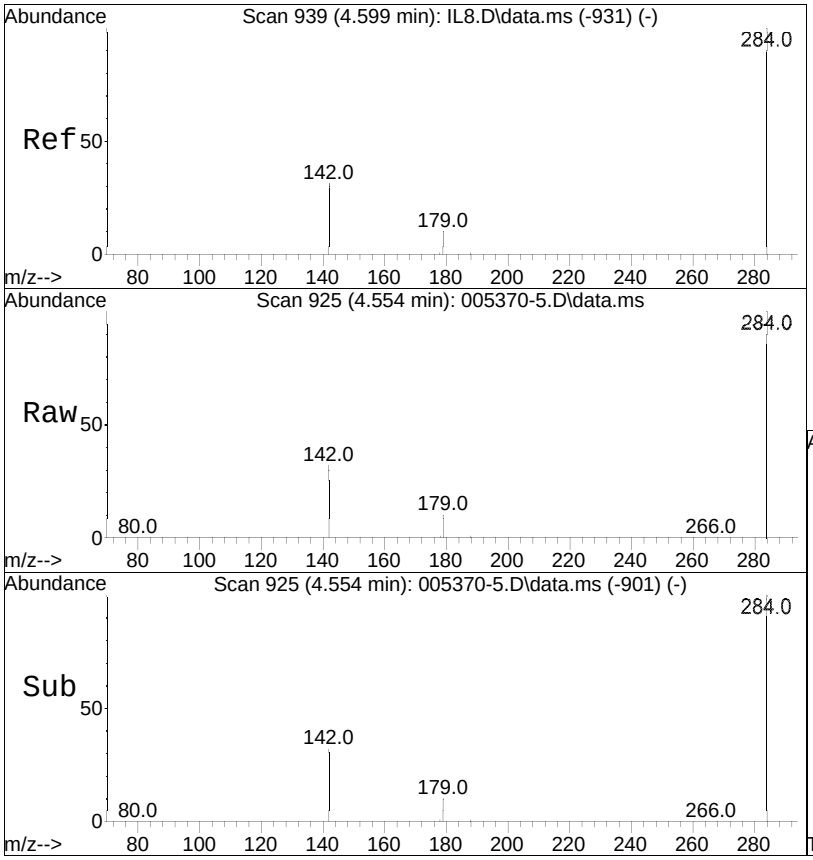


#20
Fluorene
Concen: 2097.39 ng/ml
RT: 4.234 min Scan# 841
Delta R.T. 0.002 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:166 Resp: 1095801

Ion	Ratio	Lower	Upper
166	100		
165	100.7	82.2	123.4

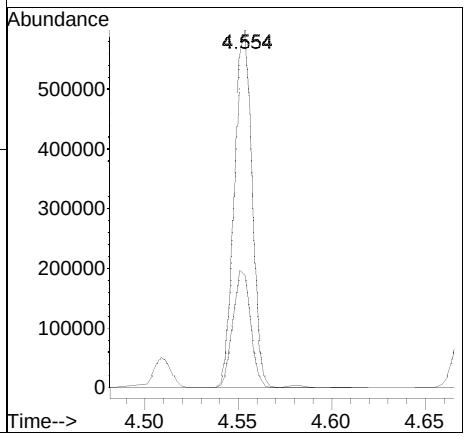


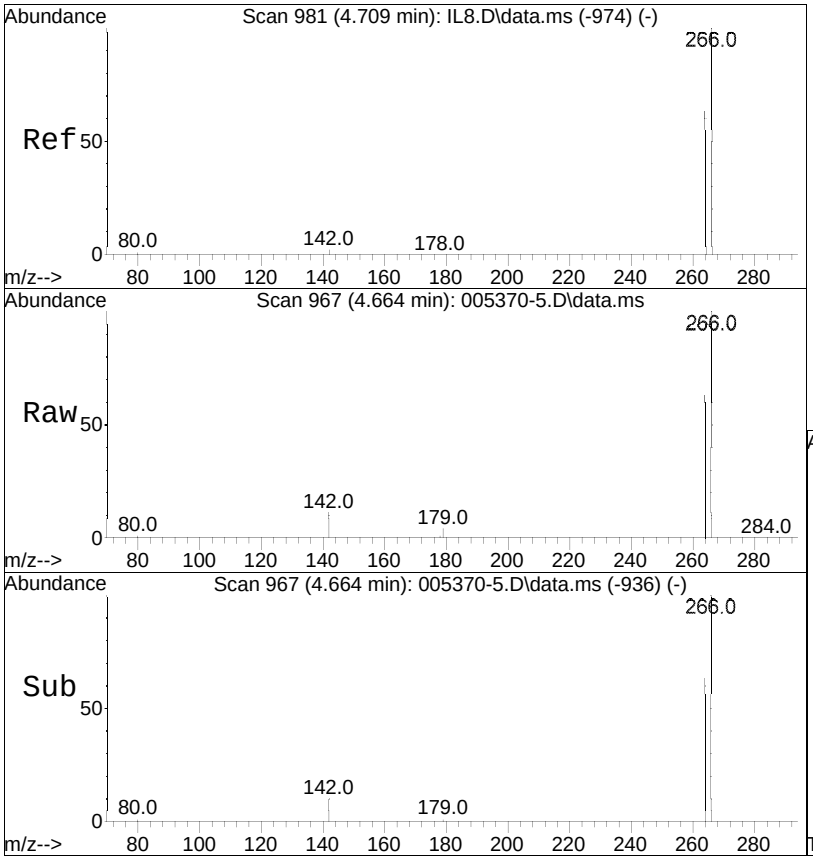


#24
Hexachlorobenzene
Concen: 2110.80 ng/ml
RT: 4.554 min Scan# 925
Delta R.T. 0.005 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:284 Resp: 391840

Ion	Ratio	Lower	Upper
284	100		
142	33.1	25.4	38.0

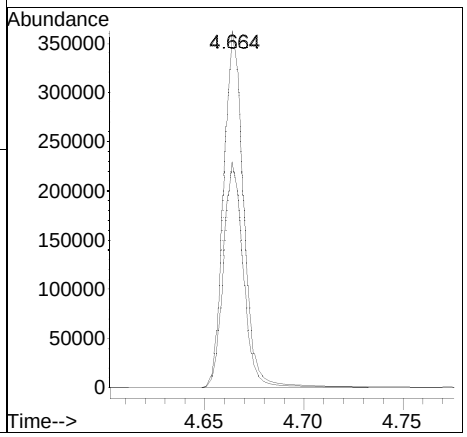


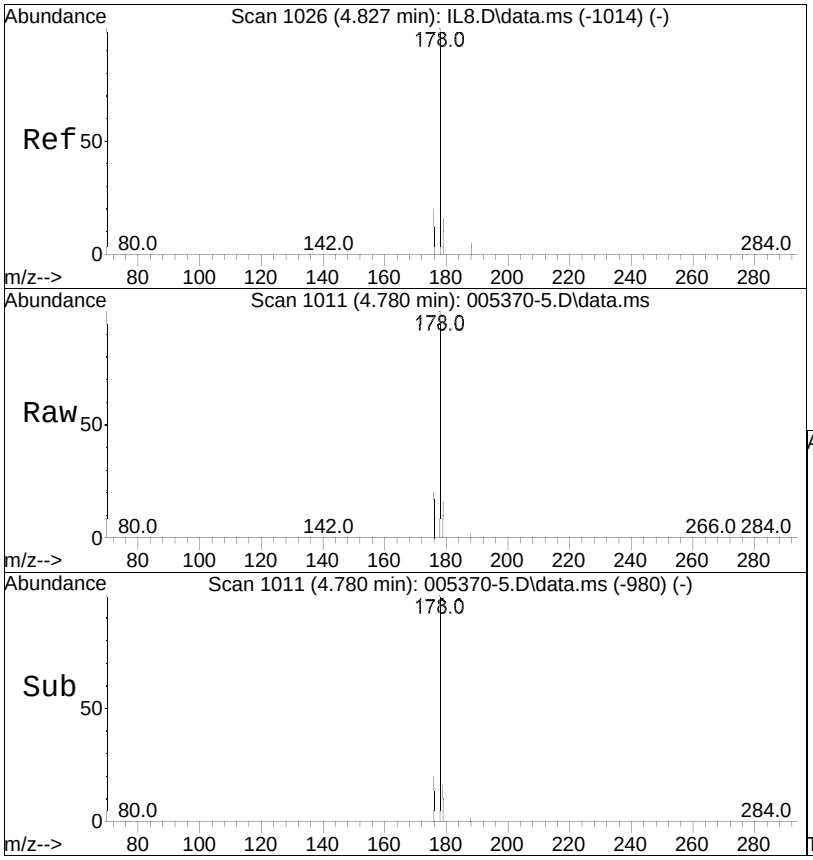


#25
Pentachlorophenol
Concen: 2314.35 ng/ml
RT: 4.664 min Scan# 967
Delta R.T. 0.002 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:266 Resp: 253074

Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.6	76.0

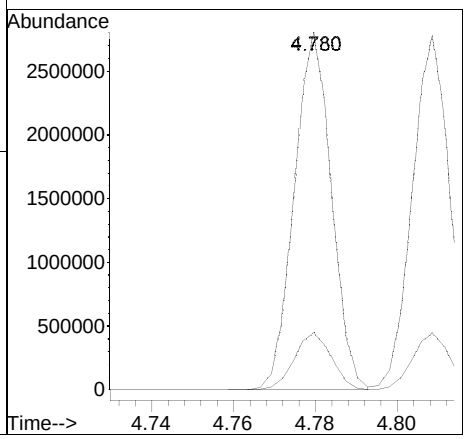


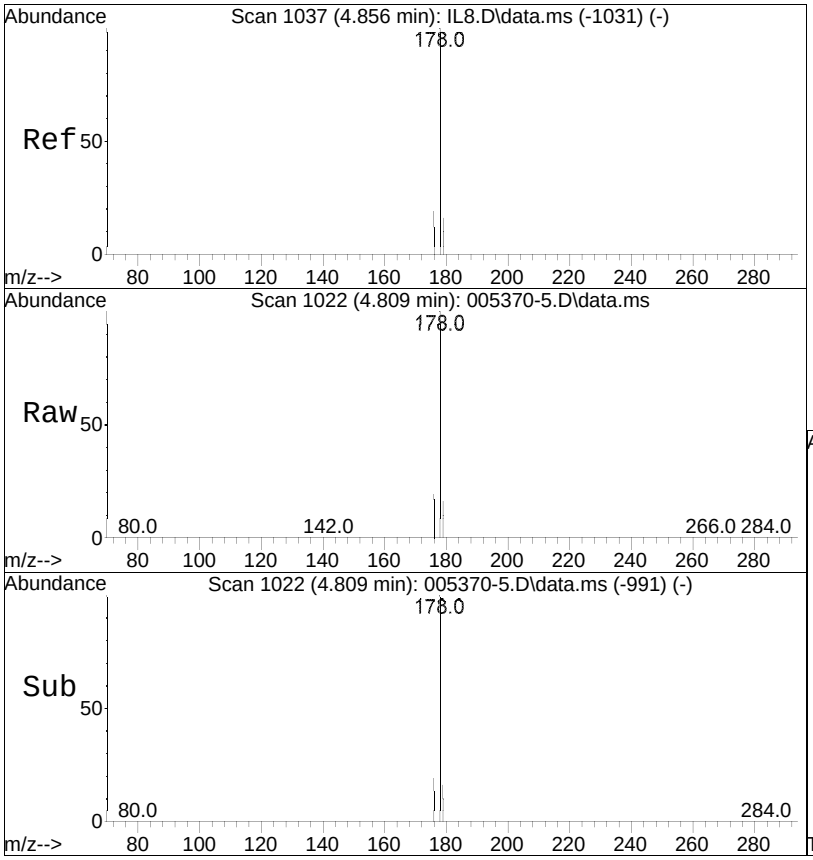


#26
Phenanthrene
Concen: 2205.24 ng/ml
RT: 4.780 min Scan# 1011
Delta R.T. 0.002 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:178 Resp: 1764429

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.8	19.2

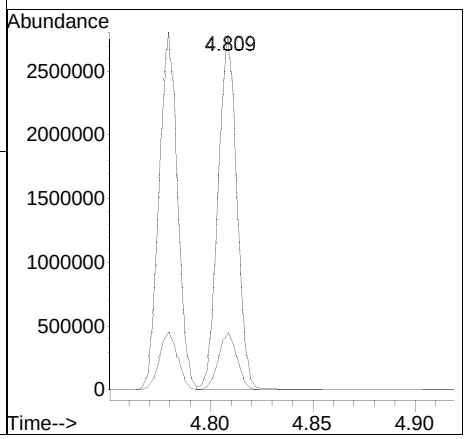


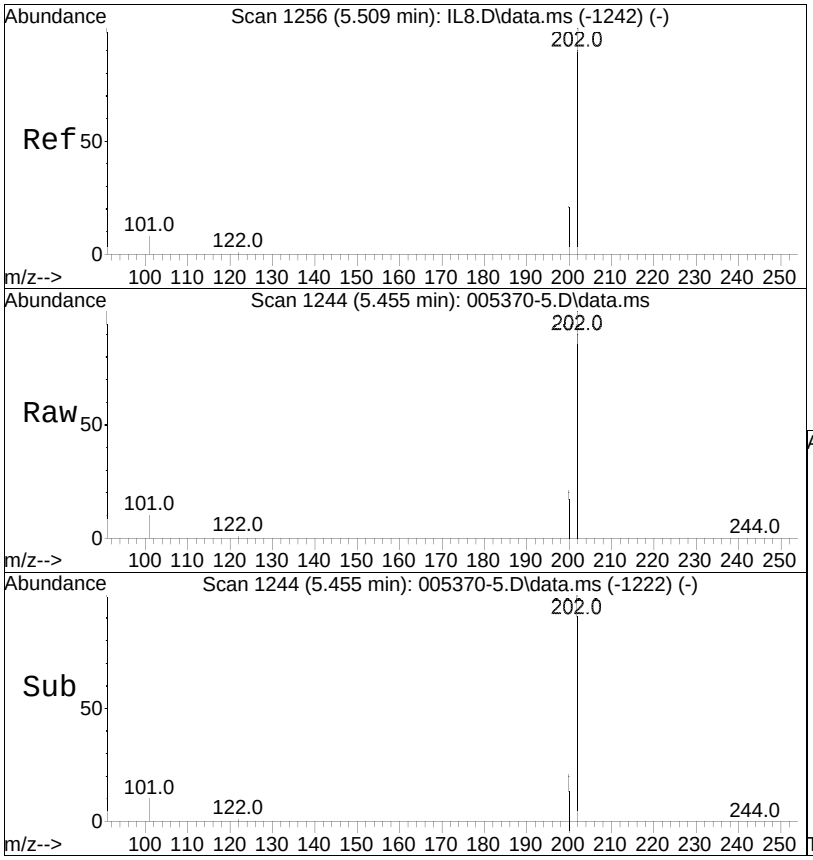


#27
Anthracene
Concen: 2316.49 ng/ml
RT: 4.809 min Scan# 1022
Delta R.T. 0.002 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:178 Resp: 1784680

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	18.8

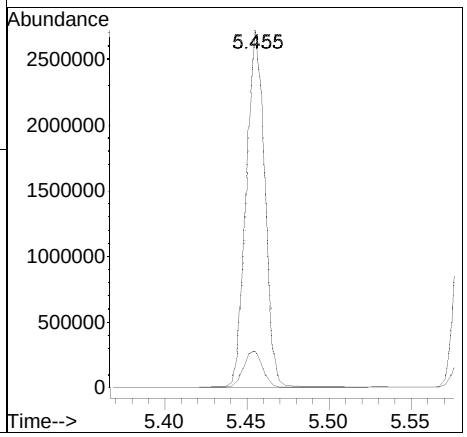


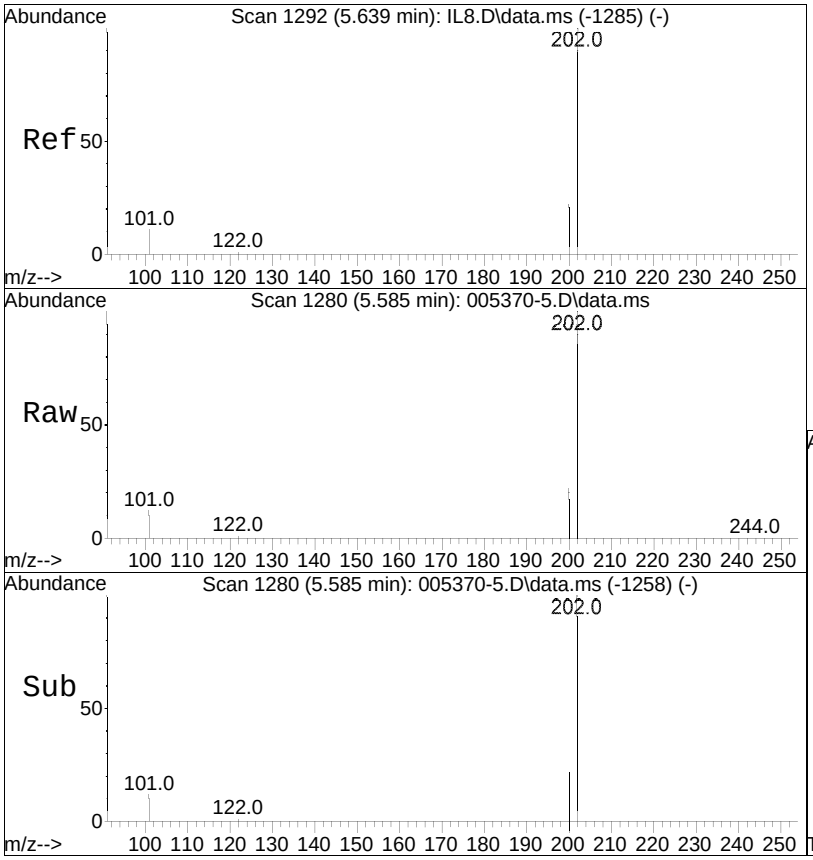


#28
Fluoranthene
Concen: 2302.63 ng/ml
RT: 5.455 min Scan# 1244
Delta R.T. -0.001 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:202 Resp: 2115992

Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.7	11.5

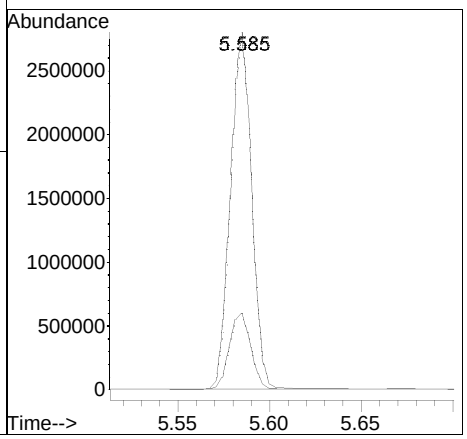


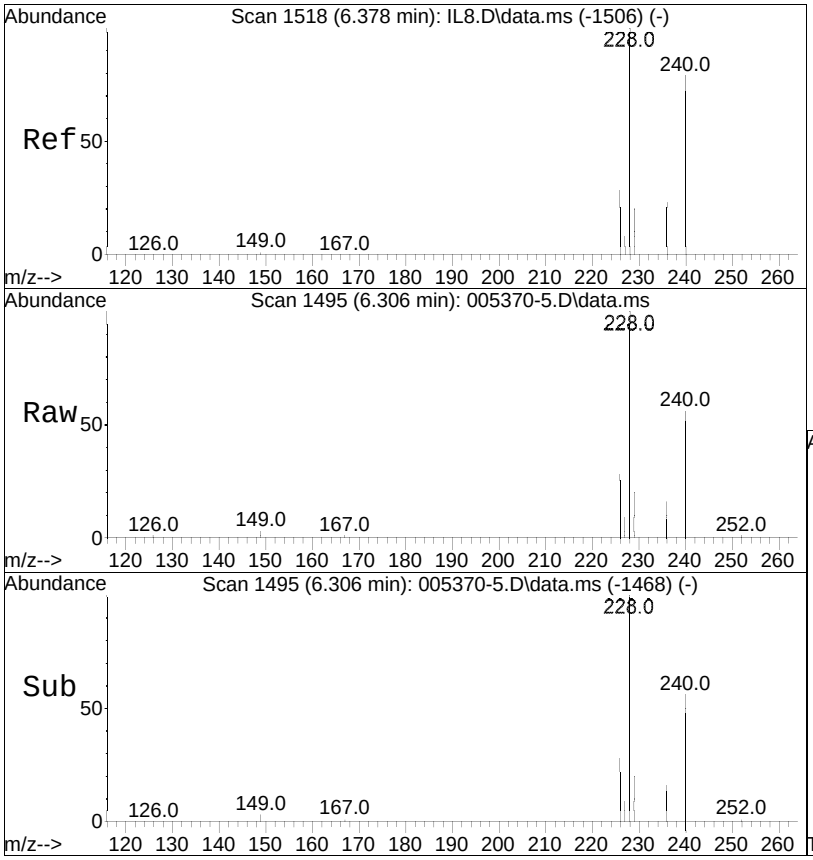


#29
Pyrene
Concen: 2287.95 ng/ml
RT: 5.585 min Scan# 1280
Delta R.T. -0.001 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:202 Resp: 2221884

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.3	25.9

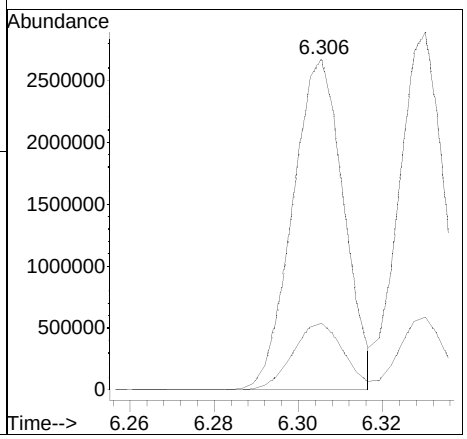


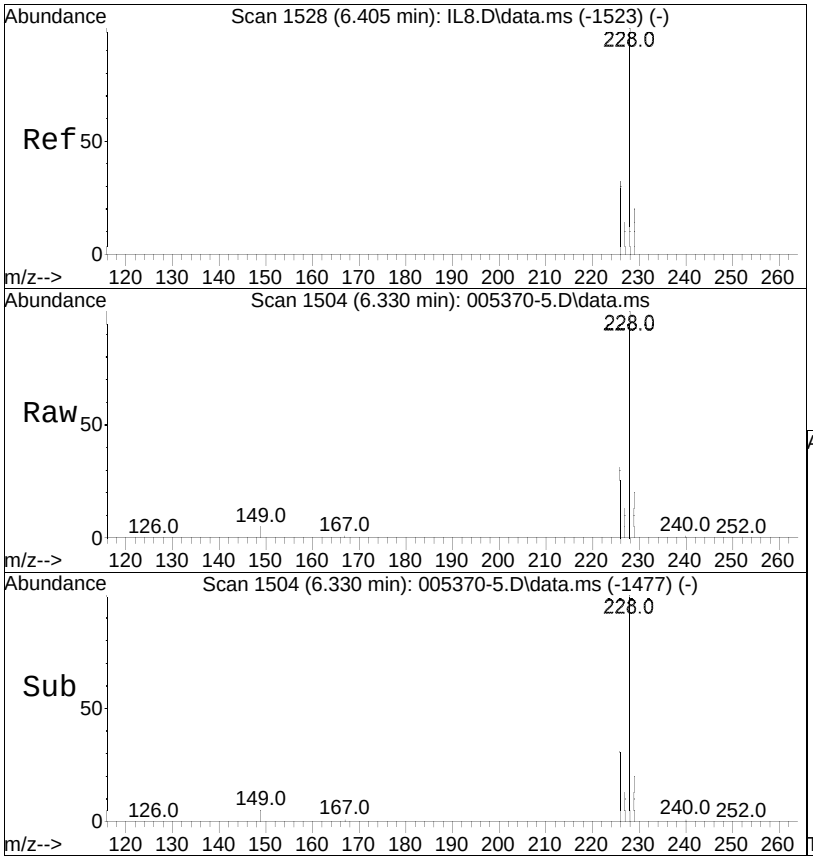


#32
Benzo[a]anthracene
Concen: 2632.17 ng/ml
RT: 6.306 min Scan# 1495
Delta R.T. -0.007 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:228 Resp: 2250248

Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.9	23.9

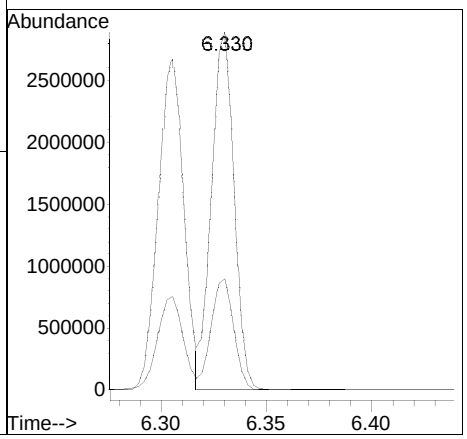


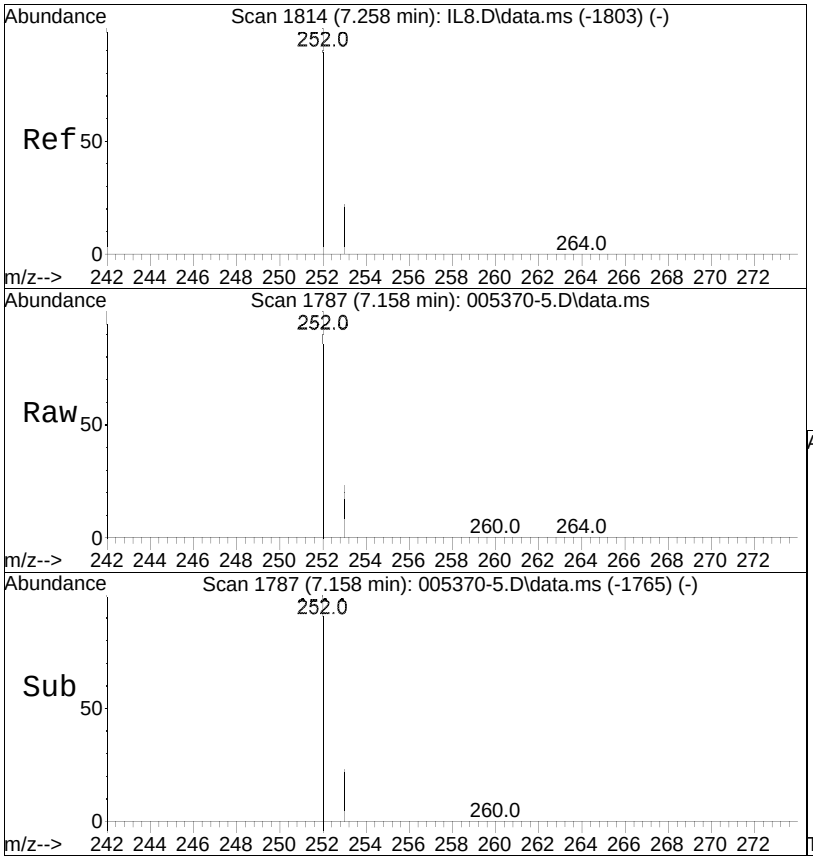


#34
Chrysene
Concen: 2675.36 ng/ml
RT: 6.330 min Scan# 1504
Delta R.T. -0.007 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:228 Resp: 2147915

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6

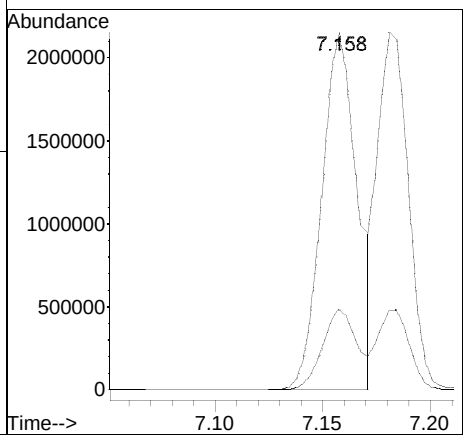


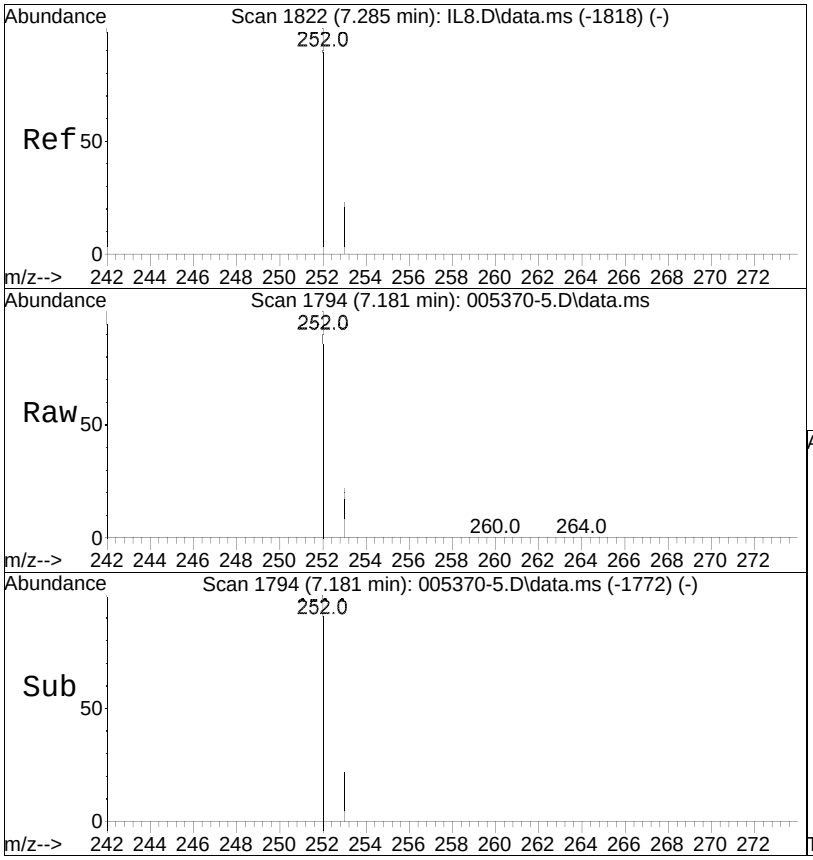


#37
Benzo[b]fluoranthene
Concen: 2682.86 ng/ml
RT: 7.158 min Scan# 1787
Delta R.T. -0.007 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:252 Resp: 2445150

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4

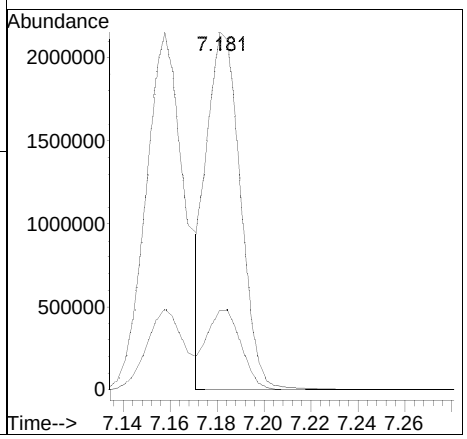


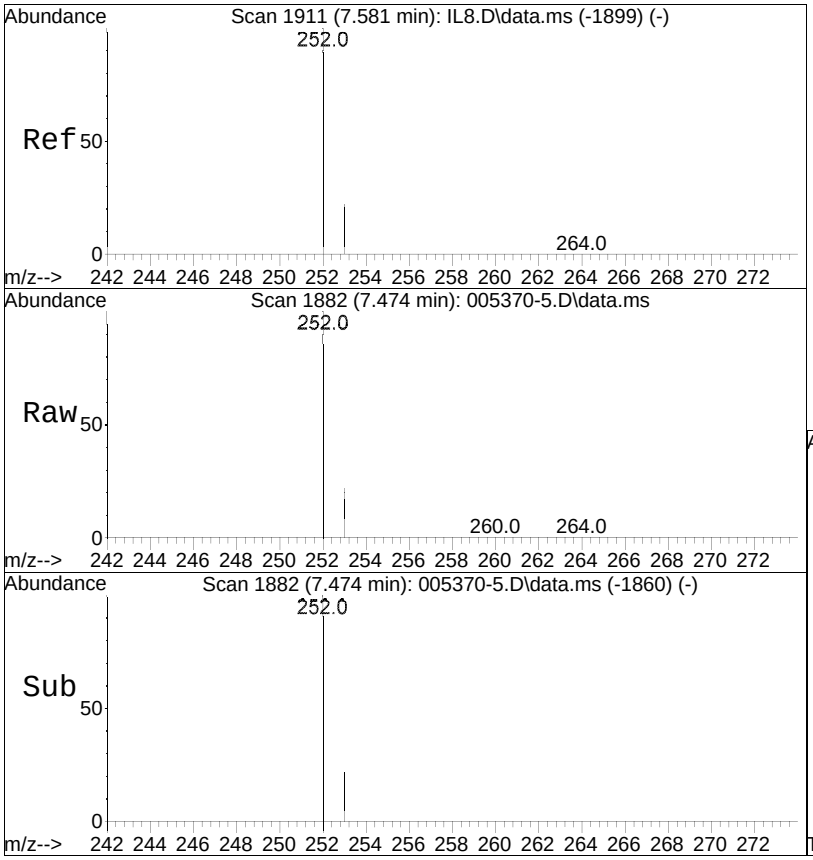


#38
Benzo[k]fluoranthene
Concen: 2568.10 ng/ml
RT: 7.181 min Scan# 1794
Delta R.T. -0.007 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:252 Resp: 2139010

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8

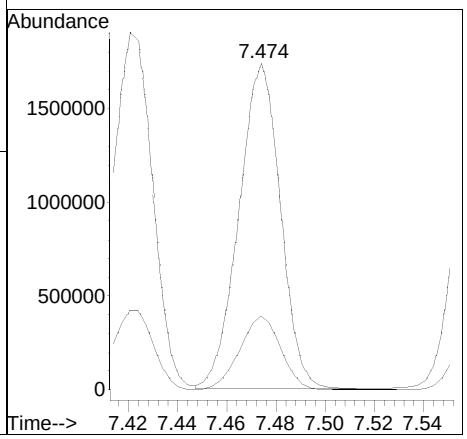


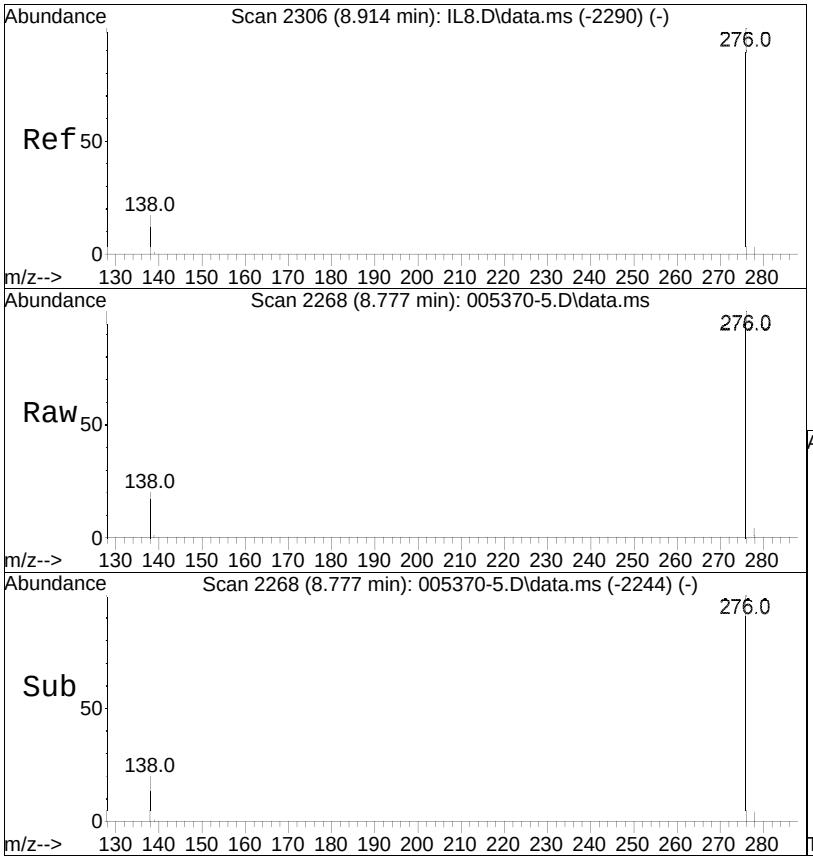


#39
Benzo[a]pyrene
Concen: 2670.36 ng/ml
RT: 7.474 min Scan# 1882
Delta R.T. -0.007 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:252 Resp: 2018504

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3

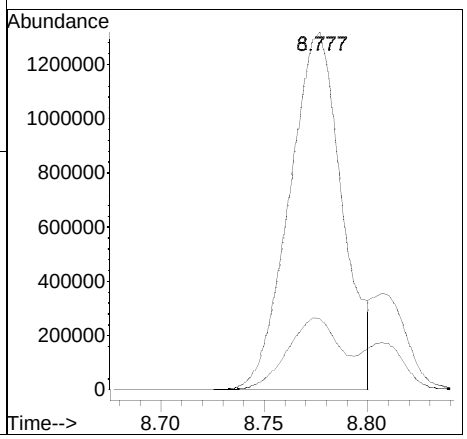


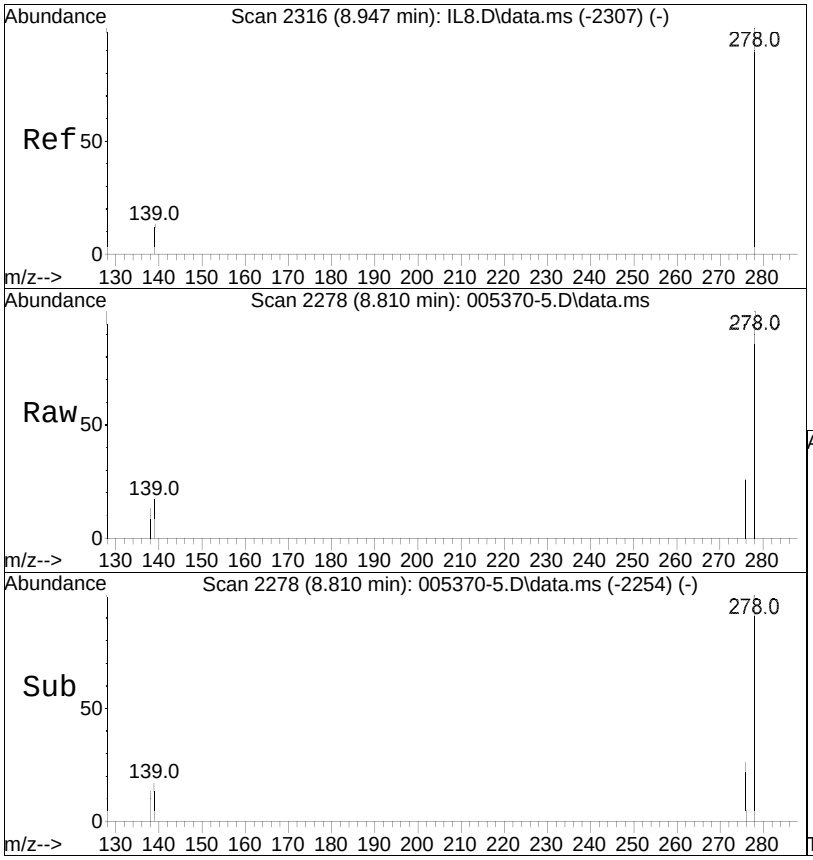


#40
Indeno[1,2,3-cd]pyrene
Concen: 2879.99 ng/ml
RT: 8.777 min Scan# 2268
Delta R.T. -0.000 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:276 Resp: 2337992

Ion	Ratio	Lower	Upper
276	100		
138	20.2	13.3	19.9#

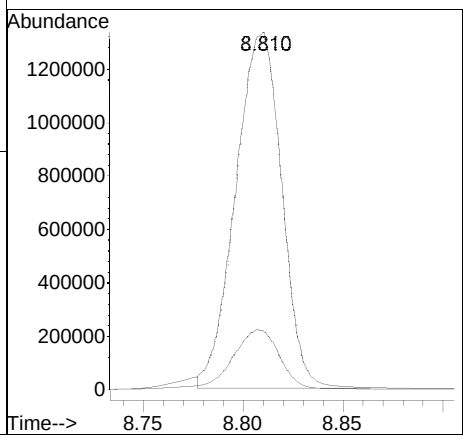


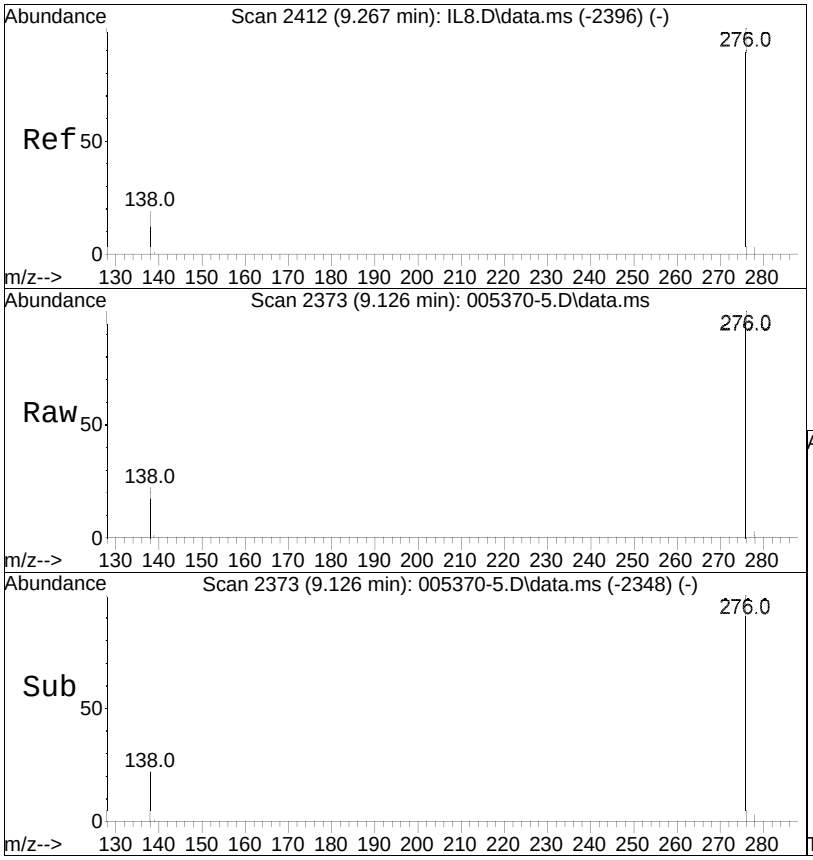


#41
Dibenzo[a,h]anthracene
Concen: 2839.14 ng/ml M6
RT: 8.810 min Scan# 2278
Delta R.T. -0.000 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:278 Resp: 2122974

Ion	Ratio	Lower	Upper
278	100		
139	17.5	11.1	16.7#

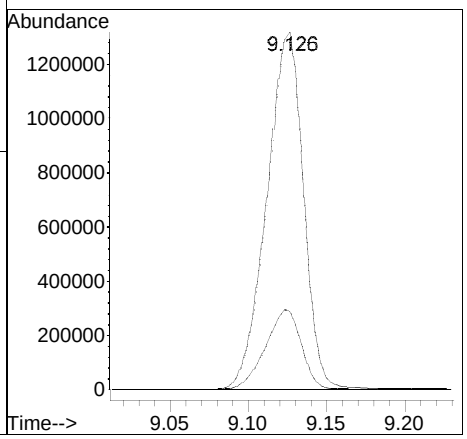




#42
Benzo[g,h,i]perylene
Concen: 2687.97 ng/ml
RT: 9.126 min Scan# 2373
Delta R.T. 0.003 min
Lab File: 005370-5.D
Acq: 05 Dec 2024 02:16 pm

Tgt Ion:276 Resp: 2120177

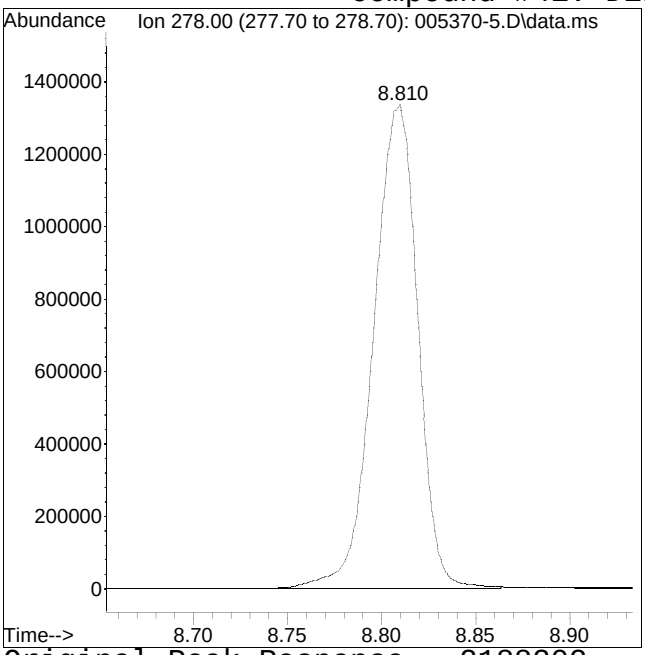
Ion	Ratio	Lower	Upper
276	100		
138	22.2	14.6	22.0#



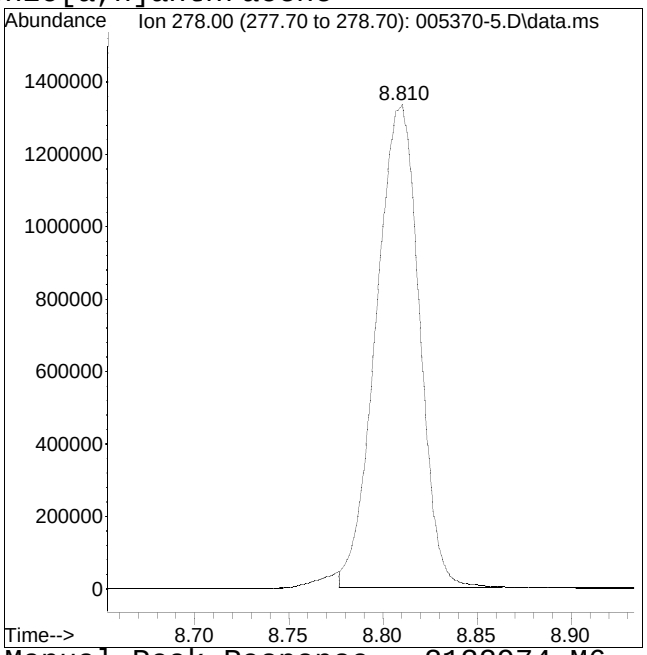
Manual Integration Report

Data Path : I:\8270SIM\SV125\241205RVTQMethod : SIM-RVT_241105n_sv125.M
Data File : 005370-5.D Operator : SV125:dv
Date Inj'd : 12/5/2024 2:16 pm Instrument : SV125
Sample : WG2005370-5,32,,kmh Quant Date : 12/5/2024 2:31 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2188202



Manual Peak Response = 2122974 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-5.D
Acq On : 09 Dec 2024 03:00 pm
Operator : SV125:jjw
Sample : WG2006681-5,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 10 14:30:44 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.270	152	570738	4000.000	ng/ml	0.03
Standard Area 1 = 620723			Recovery = 91.95%			
8) Naphthalene-d8	2.929	136	2189708	4000.000	ng/ml	0.02
Standard Area 1 = 2184118			Recovery = 100.26%			
17) Acenaphthene-d10	3.908	164	1271481	4000.000	ng/ml	0.00
Standard Area 1 = 1298651			Recovery = 97.91%			
22) Phenanthrene-d10	4.755	188	2539538	4000.000	ng/ml	0.00
Standard Area 1 = 2706375			Recovery = 93.84%			
31) Chrysene-d12	6.317	240	2531379M1	4000.000	ng/ml	-0.09
Standard Area 1 = 2815094			Recovery = 89.92%			
36) Perylene-d12	7.545	264	2824994M1	4000.000	ng/ml	-0.10
Standard Area 1 = 3104537			Recovery = 91.00%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.688	112	173860	1133.706	ng/ml	0.04
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.69%			
3) Phenol-d6	2.087	99	158305	815.598	ng/ml	0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery = 40.78%			
7) Nitrobenzene-d5	2.550	82	140585	850.741	ng/ml	0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 85.07%			
13) 2-Fluorobiphenyl	3.526	172	387158	794.802	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.48%			
21) 2,4,6-Tribromophenol	4.359	330	136527	1979.753	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 98.99%			
30) 4-Terphenyl-d14	5.672	244	499873	853.701	ng/ml	-0.05
Spiked Amount 1000.000	Range 30 - 130		Recovery = 85.37%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.133	93	258781	1638.776	ng/ml	97
5) n-nitrosodi-n-propylamine	2.467	70	203098	1837.511	ng/ml	93
6) Hexachloroethane	2.525	117	104271	1453.322	ng/ml	96
9) Naphthalene	2.939	128	916740	1559.059	ng/ml	99
10) Hexachlorobutadiene	3.009	225	158236	1316.219	ng/ml	100
11) 2-Methylnaphthalene	3.320	142	623928	1573.800	ng/ml	99
12) 1-Methylnaphthalene	3.374	142	581318	1569.590	ng/ml	99
14) 2-Chloronaphthalene	3.592	162	648024	1560.806	ng/ml	93
15) 2,6-Dinitrotoluene	3.790	165	177190	1868.783	ng/ml	93
16) Acenaphthylene	3.826	152	1000042	1697.016	ng/ml	100
18) Acenaphthene	3.926	153	711391	1735.781	ng/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-5.D
Acq On : 09 Dec 2024 03:00 pm
Operator : SV125:jjw
Sample : WG2006681-5,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 10 14:30:44 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV125\241209aRVT\ccv1209b.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.018	165	250927	2098.250	ng/ml	91
20) Fluorene	4.219	166	803326	1775.408	ng/ml	97
23) 4,6-Dinitro-o-cresol	4.250	198	134823	1697.621	ng/ml	99
24) Hexachlorobenzene	4.540	284	284464	1746.922	ng/ml	98
25) Pentachlorophenol	4.653	266	162651	1818.875	ng/ml	100
26) Phenanthrene	4.768	178	1269460	1808.744	ng/ml	100
27) Anthracene	4.797	178	1297171	1919.436	ng/ml	100
28) Fluoranthene	5.451	202	1525918	1892.991	ng/ml	97
29) Pyrene	5.581	202	1614509	1895.279	ng/ml	99
32) Benzo[a]anthracene	6.309	228	1634496M1	2140.277	ng/ml	
33) 3,3'-Dichlorobenzidine	6.293	252	664246M4	2340.934	ng/ml	
34) Chrysene	6.334	228	1518418M6	2119.125	ng/ml	
35) Bis(2-ethylhexyl)phtha...	6.328	149	1106022M6	2697.856	ng/ml	
37) Benzo[b]fluoranthene	7.165	252	1633366M6	2077.824	ng/ml	
38) Benzo[k]fluoranthene	7.188	252	1576358M1	2194.248	ng/ml	
39) Benzo[a]pyrene	7.478	252	1467874M6	2251.446	ng/ml	
40) Indeno[1,2,3-cd]pyrene	8.781	276	1516536M6	2165.874	ng/ml	
41) Dibenzo[a,h]anthracene	8.818	278	1443833M1	2238.678	ng/ml	
42) Benzo[g,h,i]perylene	9.134	276	1413670M6	2077.940	ng/ml	

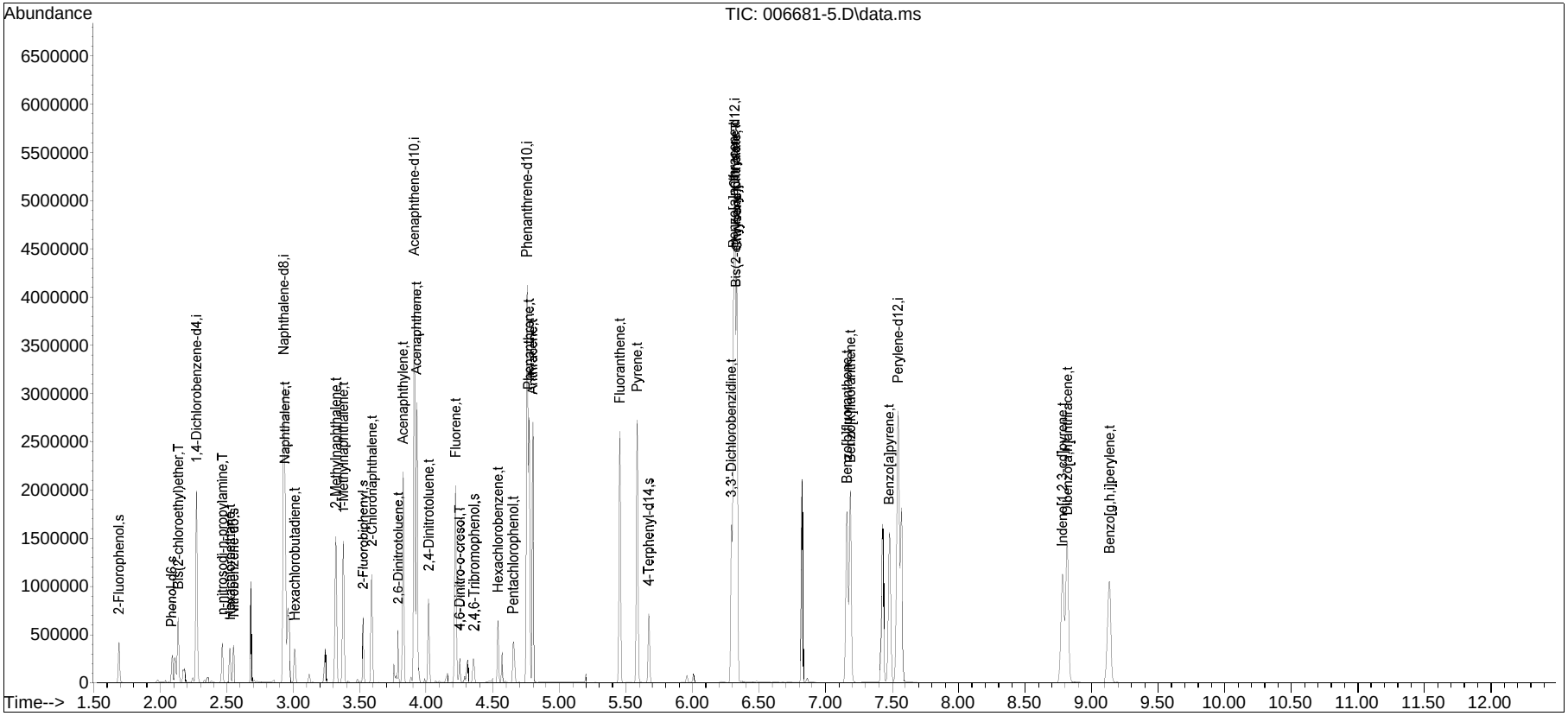
(#) = qualifier out of range (m) = manual integration (+) = signals summed

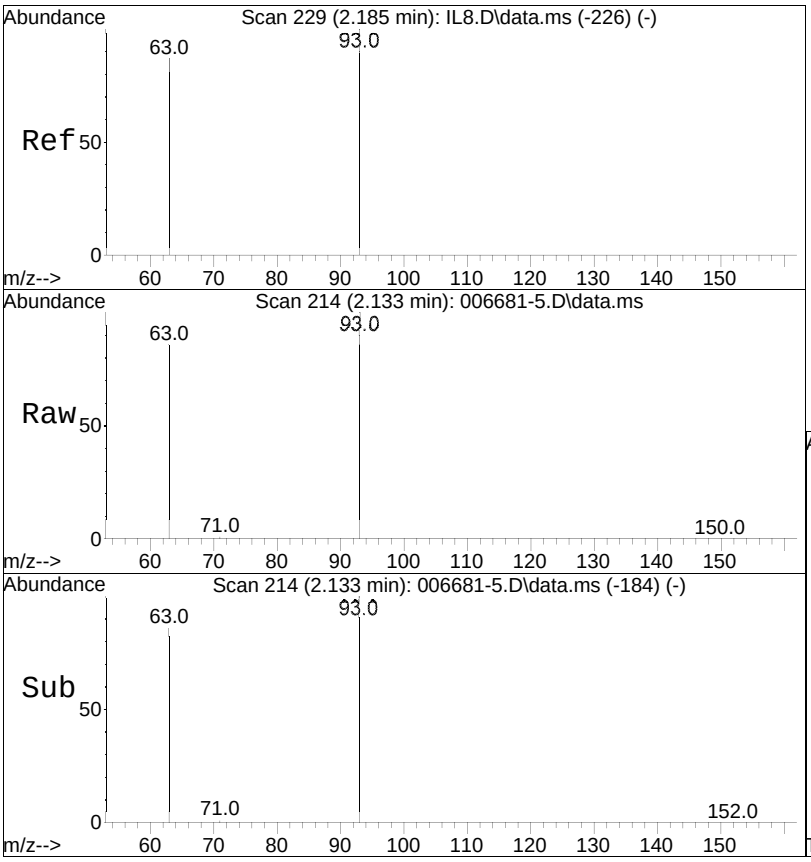
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV125\241209aRVT\
Data File : 006681-5.D
Acq On : 09 Dec 2024 03:00 pm
Operator : SV125:jjw
Sample : WG2006681-5,32,,kmh
Misc : WG2006821,WG2006681,ical21676
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 10 14:30:44 2024
Quant Method : I:\8270sim\SV125\241209aRVT\SIM-RVT_241105n_sv125.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Dec 09 08:48:52 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv1209b.D•

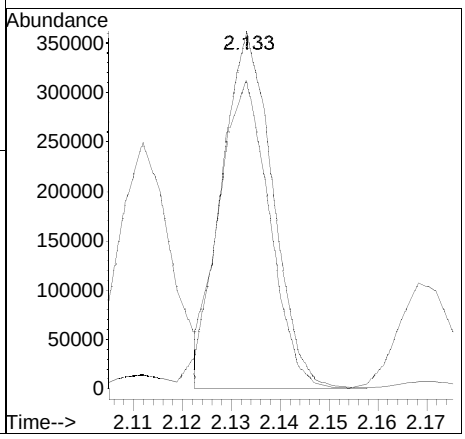


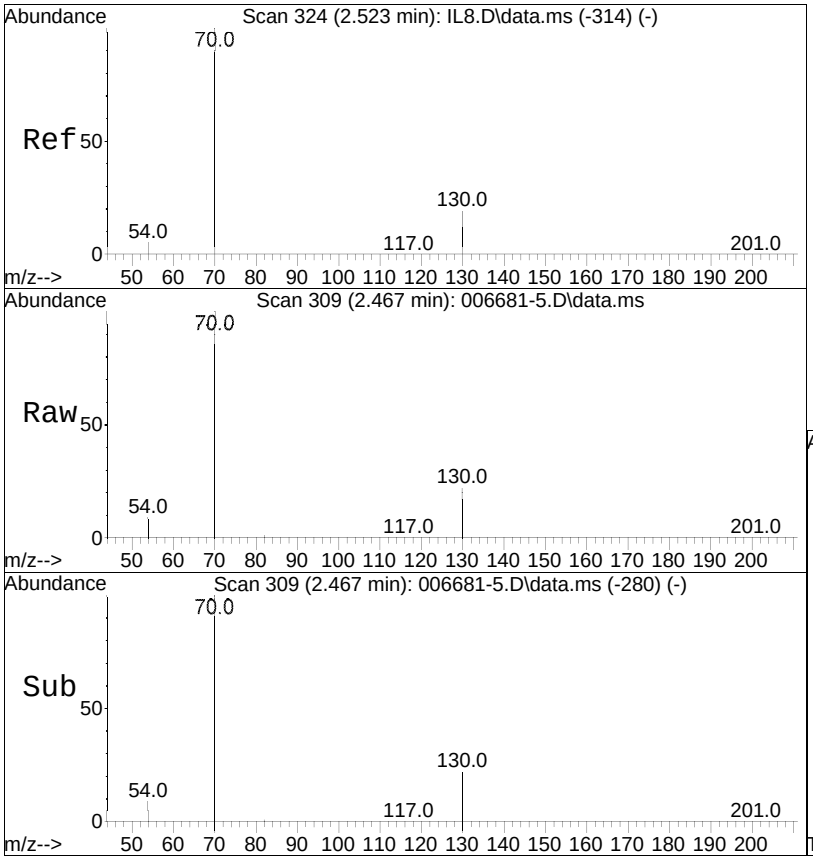


#4
Bis(2-chloroethyl)ether
Concen: 1638.78 ng/ml
RT: 2.133 min Scan# 214
Delta R.T. 0.027 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion: 93 Resp: 258781

Ion	Ratio	Lower	Upper
93	100		
63	91.5	71.2	106.8

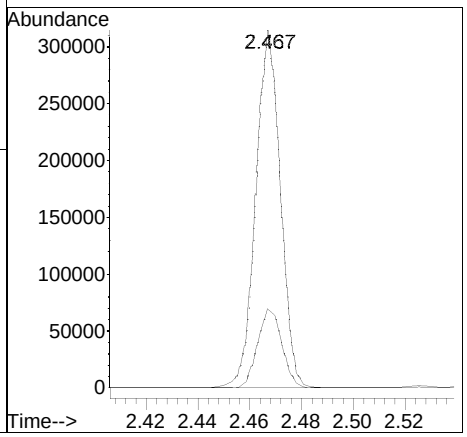


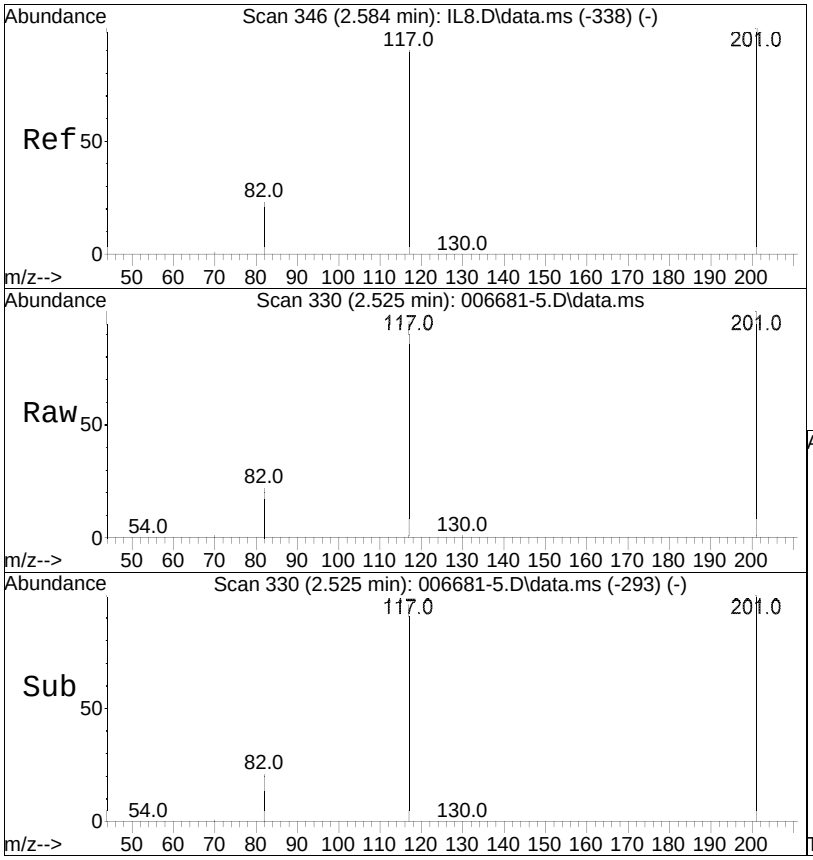


#5
n-nitrosodi-n-propylamine
Concen: 1837.51 ng/ml
RT: 2.467 min Scan# 309
Delta R.T. 0.022 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion: 70 Resp: 203098

Ion	Ratio	Lower	Upper
70	100		
130	22.0	15.0	22.6

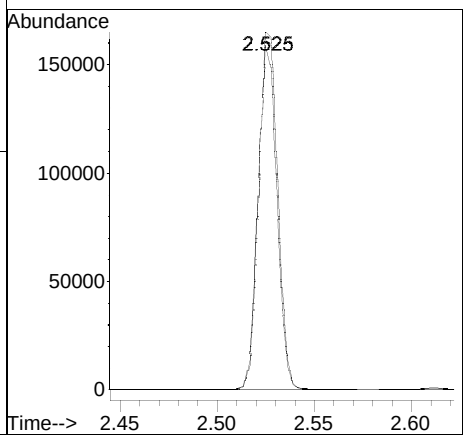


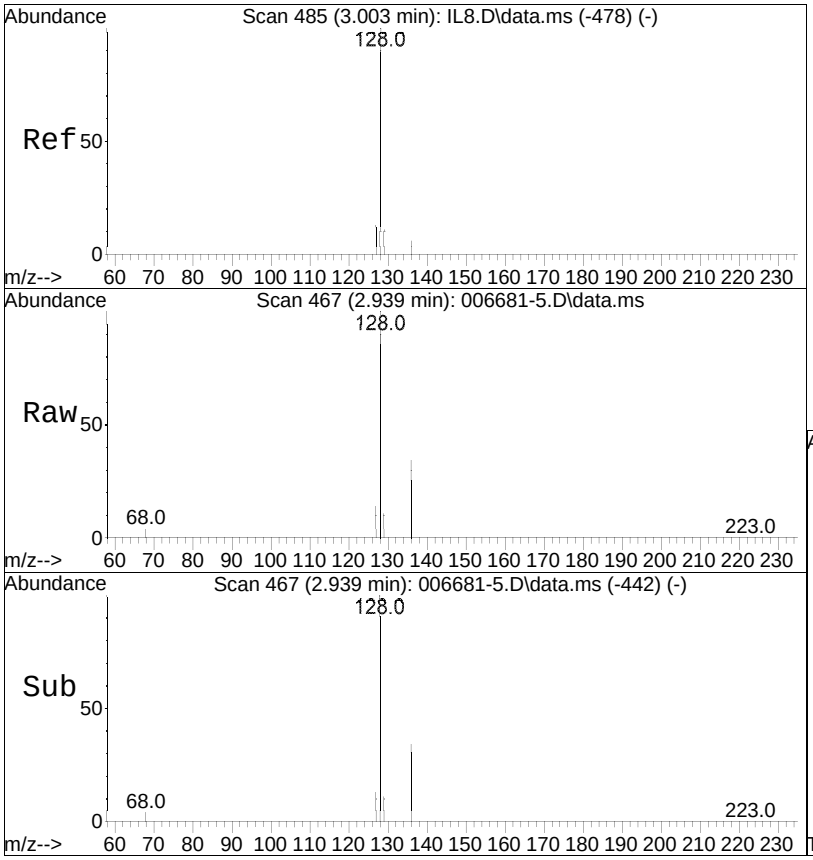


#6
Hexachloroethane
Concen: 1453.32 ng/ml
RT: 2.525 min Scan# 330
Delta R.T. 0.022 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:117 Resp: 104271

Ion	Ratio	Lower	Upper
117	100		
201	106.0	88.0	132.0

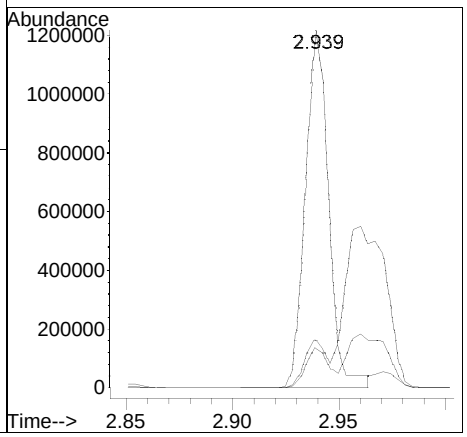


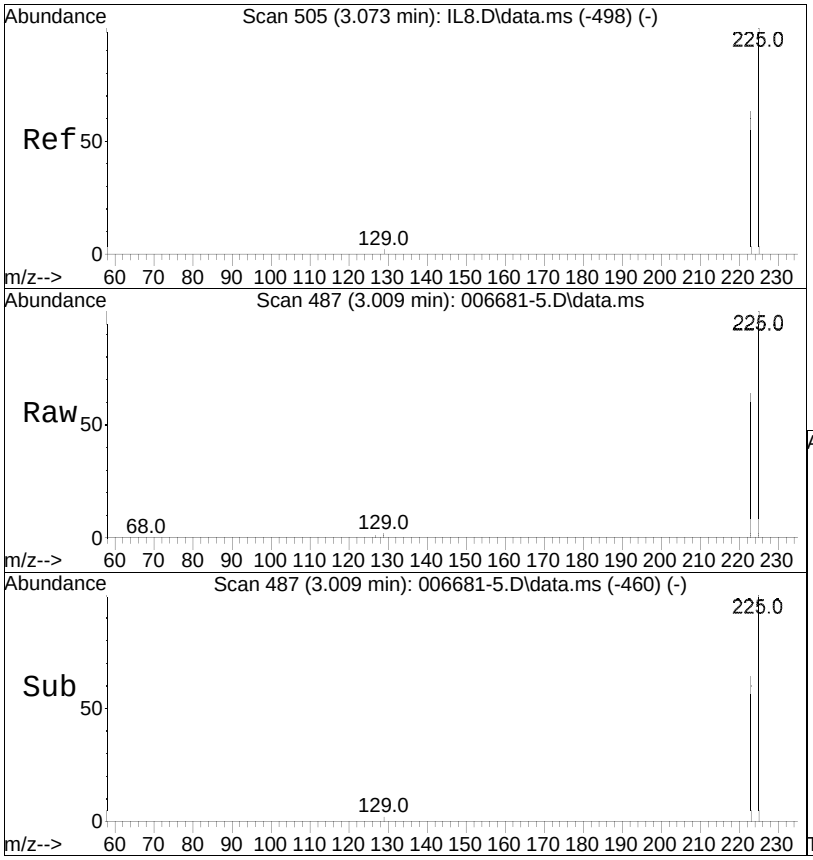


#9
Naphthalene
Concen: 1559.06 ng/ml
RT: 2.939 min Scan# 467
Delta R.T. 0.016 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:128 Resp: 916740

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.9	13.3
127	13.1	10.9	16.3

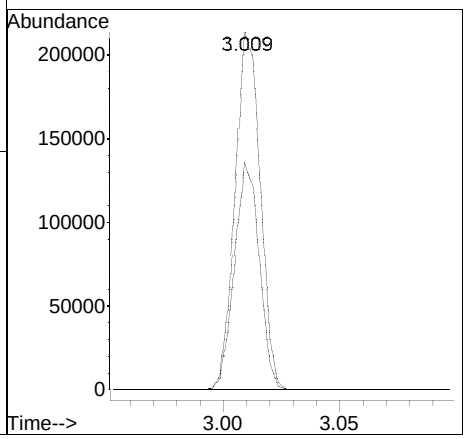


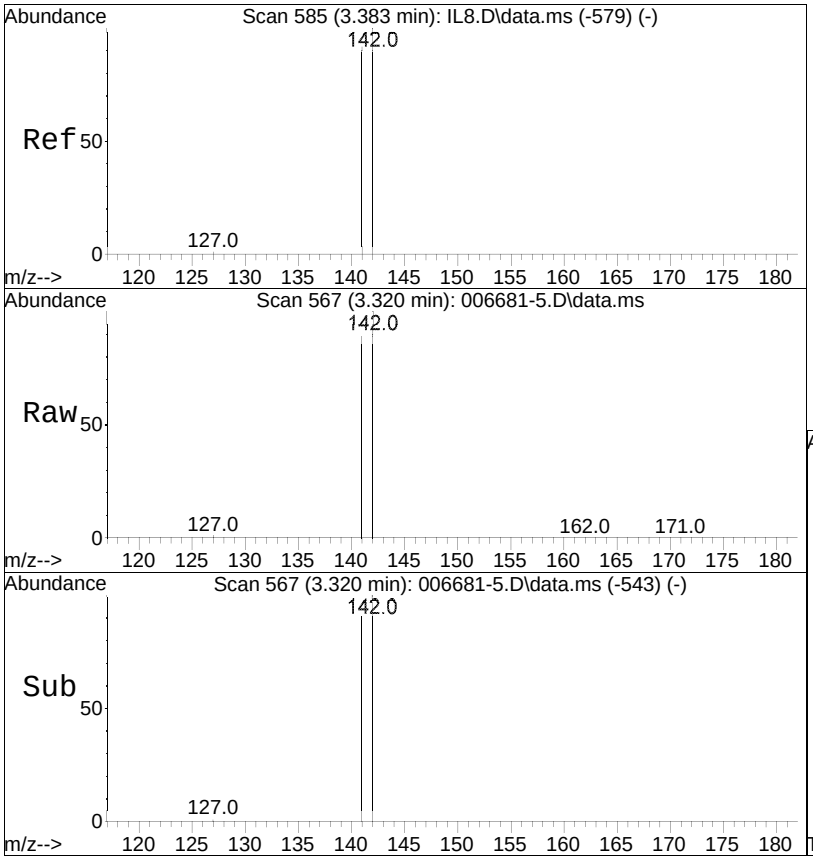


#10
Hexachlorobutadiene
Concen: 1316.22 ng/ml
RT: 3.009 min Scan# 487
Delta R.T. 0.016 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:225 Resp: 158236

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.3	75.5

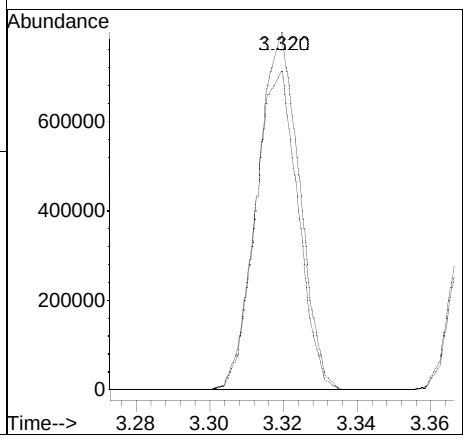


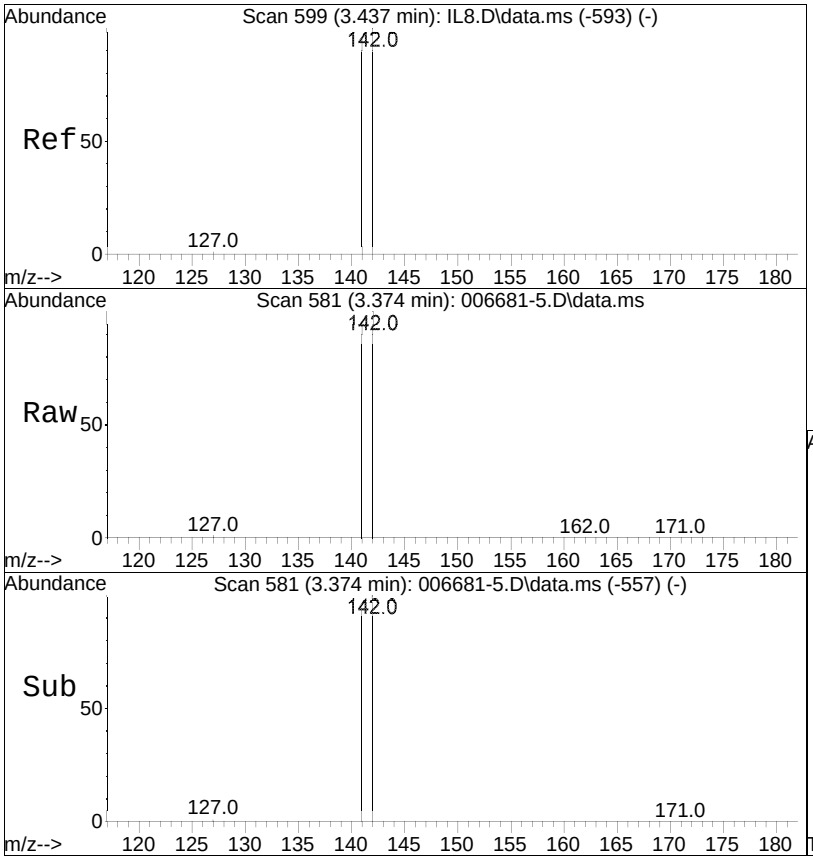


#11
2-Methylnaphthalene
Concen: 1573.80 ng/ml
RT: 3.320 min Scan# 567
Delta R.T. 0.014 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:142 Resp: 623928

Ion	Ratio	Lower	Upper
142	100		
141	91.3	74.0	111.0

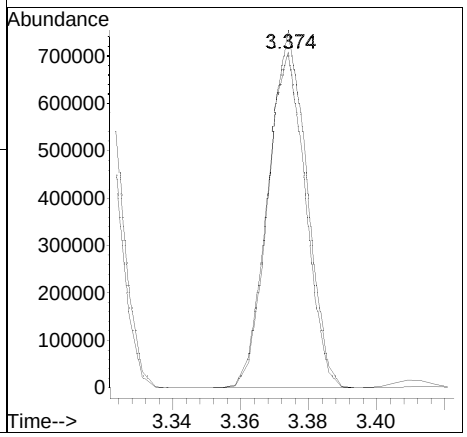


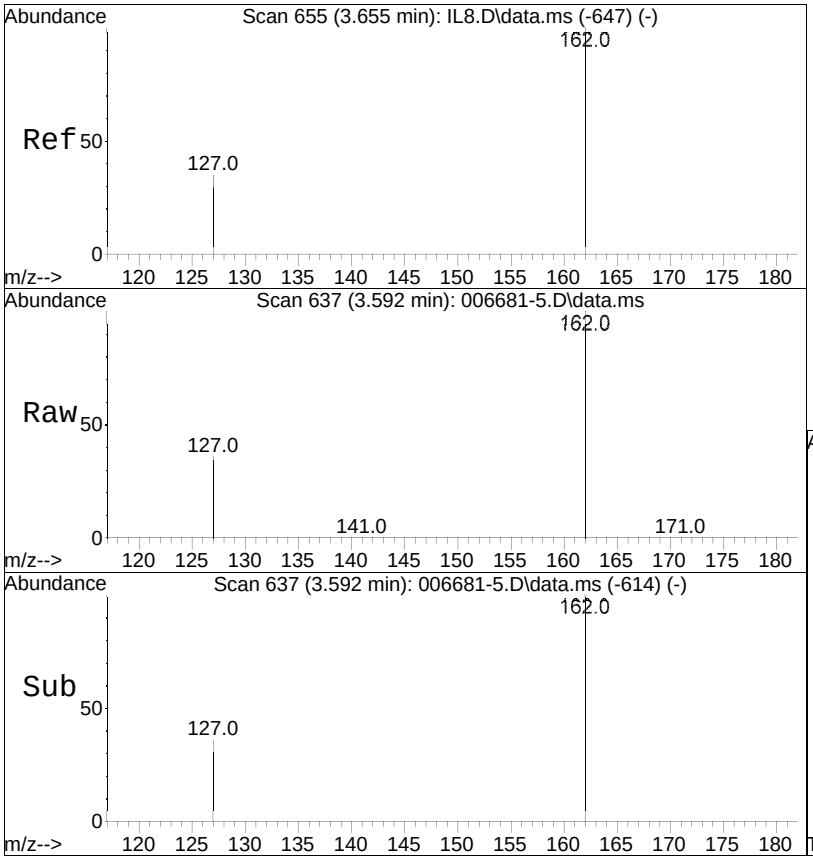


#12
1-Methylnaphthalene
Concen: 1569.59 ng/ml
RT: 3.374 min Scan# 581
Delta R.T. 0.014 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:142 Resp: 581318

Ion	Ratio	Lower	Upper
142	100		
141	94.8	76.5	114.7

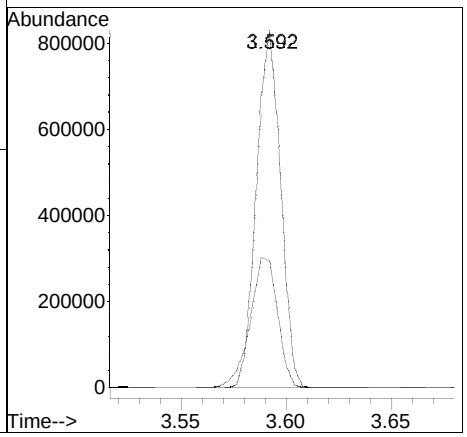


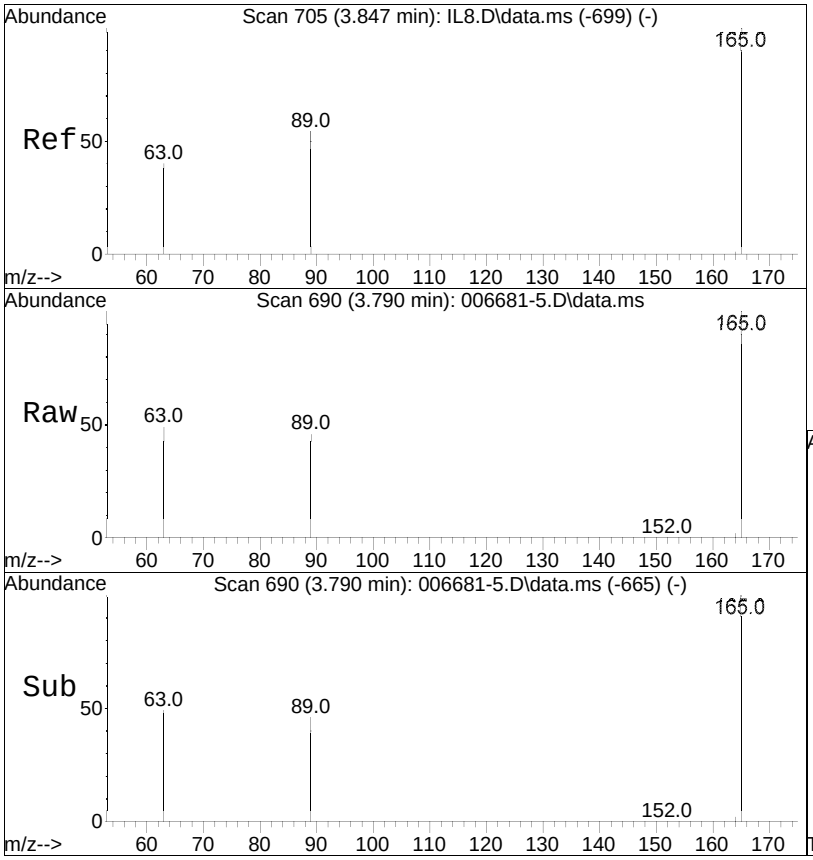


#14
2-Chloronaphthalene
Concen: 1560.81 ng/ml
RT: 3.592 min Scan# 637
Delta R.T. 0.010 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:162 Resp: 648024

Ion	Ratio	Lower	Upper
162	100		
127	42.0	30.1	45.1

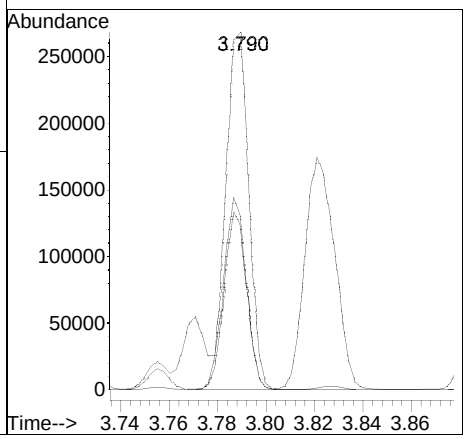


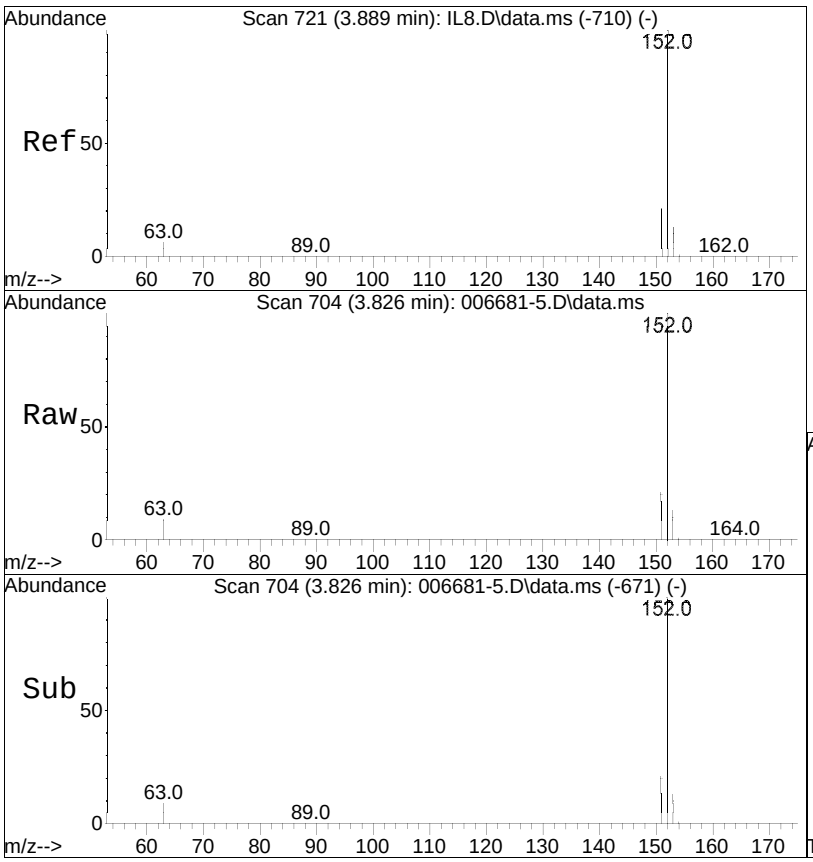


#15
2,6-Dinitrotoluene
Concen: 1868.78 ng/ml
RT: 3.790 min Scan# 690
Delta R.T. 0.010 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:165 Resp: 177190

Ion	Ratio	Lower	Upper
165	100		
89	48.8	43.6	65.4
63	52.3	45.9	68.9

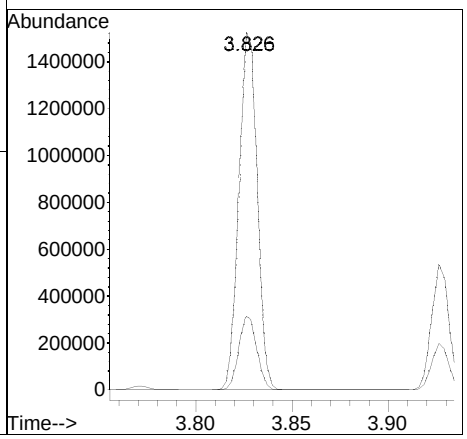


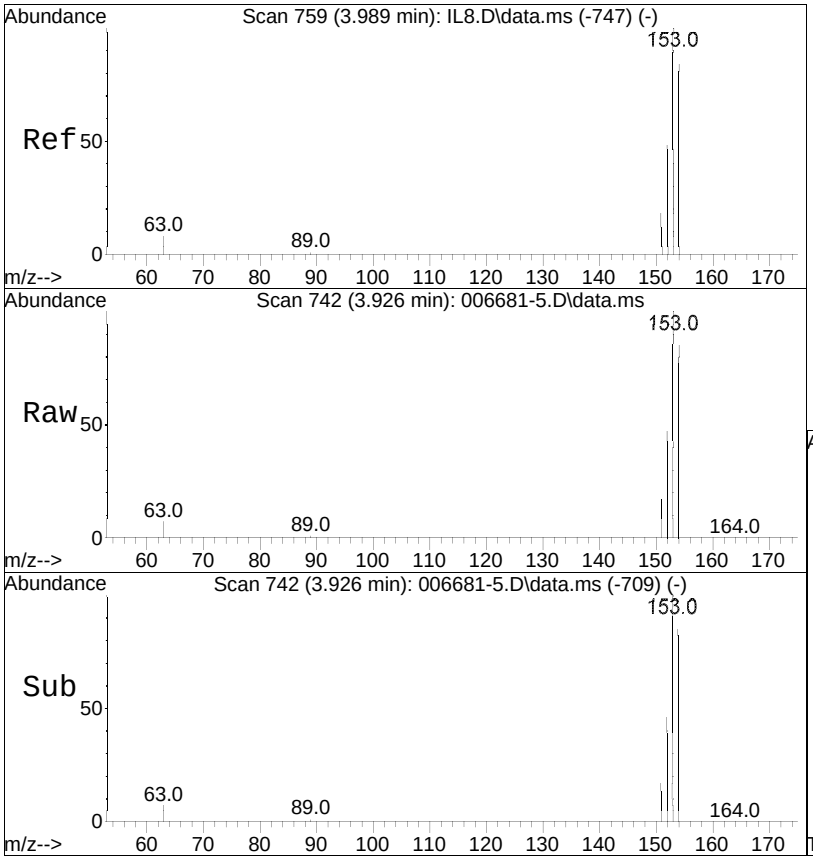


#16
Acenaphthylene
Concen: 1697.02 ng/ml
RT: 3.826 min Scan# 704
Delta R.T. 0.007 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:152 Resp: 1000042

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.5	24.7

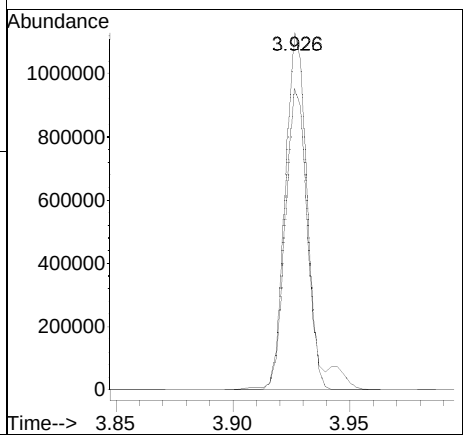


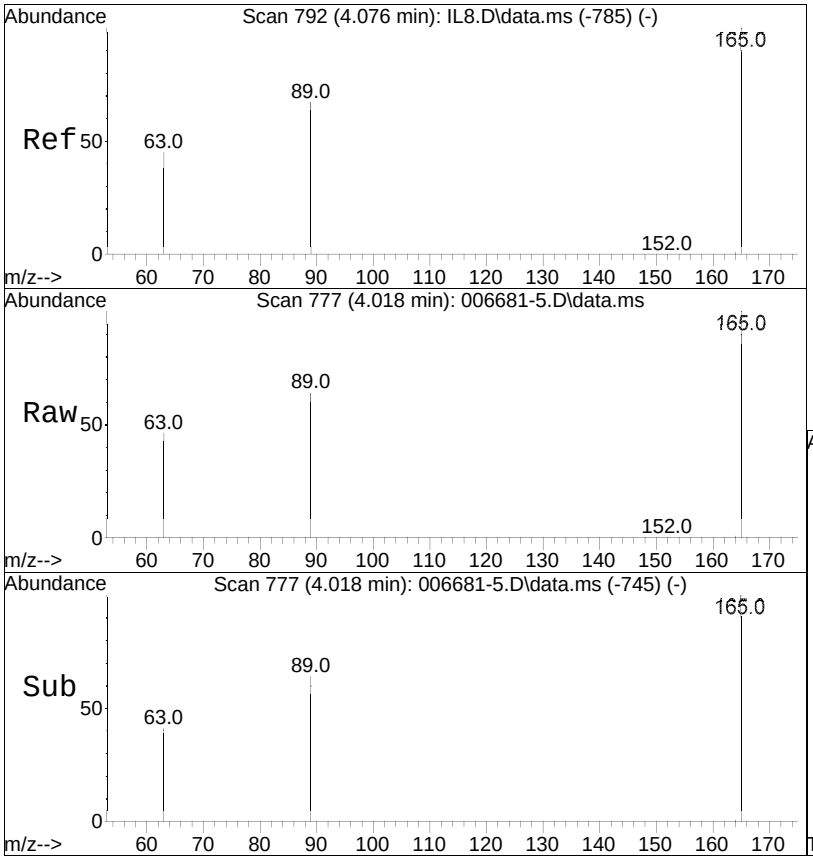


#18
Acenaphthene
Concen: 1735.78 ng/ml
RT: 3.926 min Scan# 742
Delta R.T. 0.007 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:153 Resp: 711391

Ion	Ratio	Lower	Upper
153	100		
154	87.0	74.9	112.3

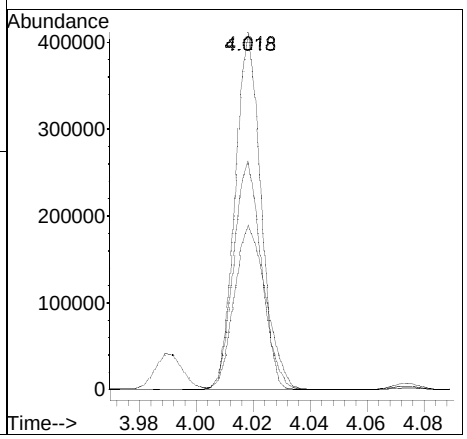


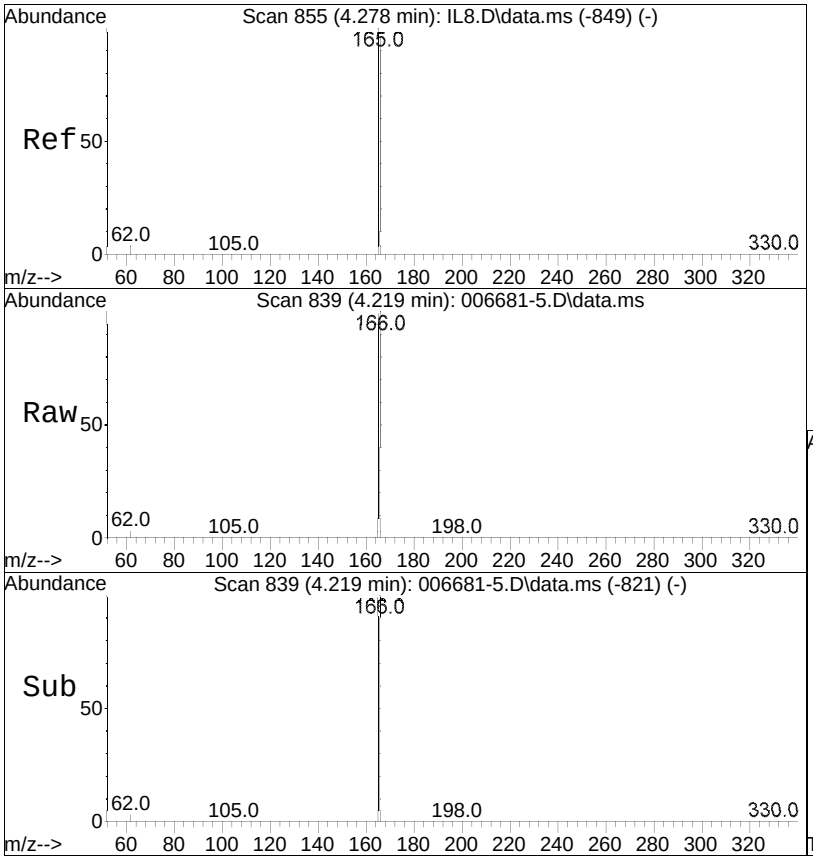


#19
2,4-Dinitrotoluene
Concen: 2098.25 ng/ml
RT: 4.018 min Scan# 777
Delta R.T. 0.005 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:165 Resp: 250927

Ion	Ratio	Lower	Upper
165	100		
89	71.0	62.9	94.3
63	58.2	52.2	78.4

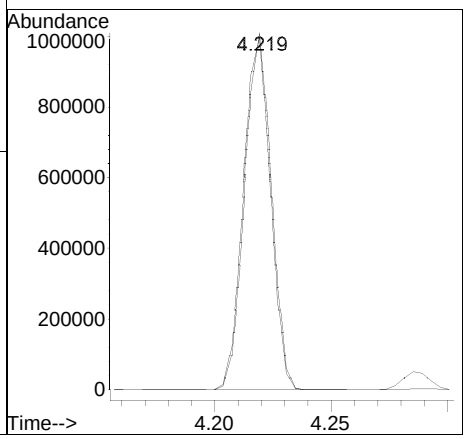


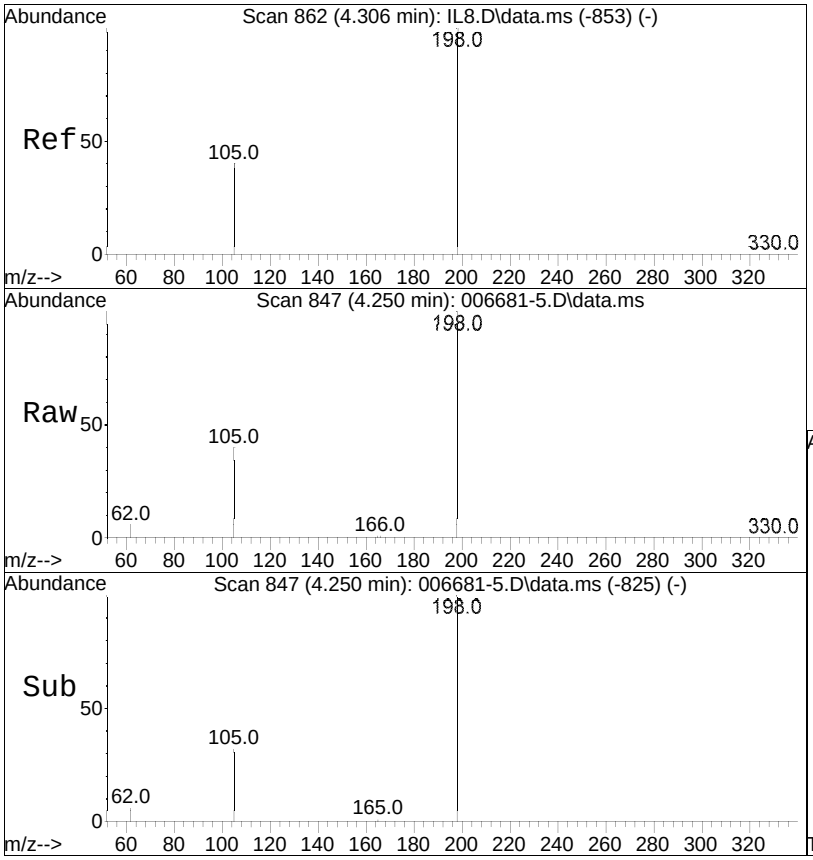


#20
Fluorene
Concen: 1775.41 ng/ml
RT: 4.219 min Scan# 839
Delta R.T. 0.005 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:166 Resp: 803326

Ion	Ratio	Lower	Upper
166	100		
165	100.1	82.2	123.4

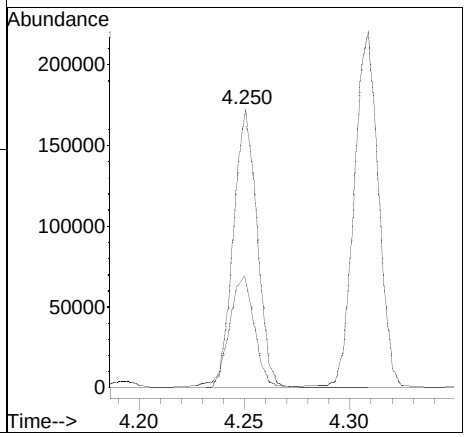


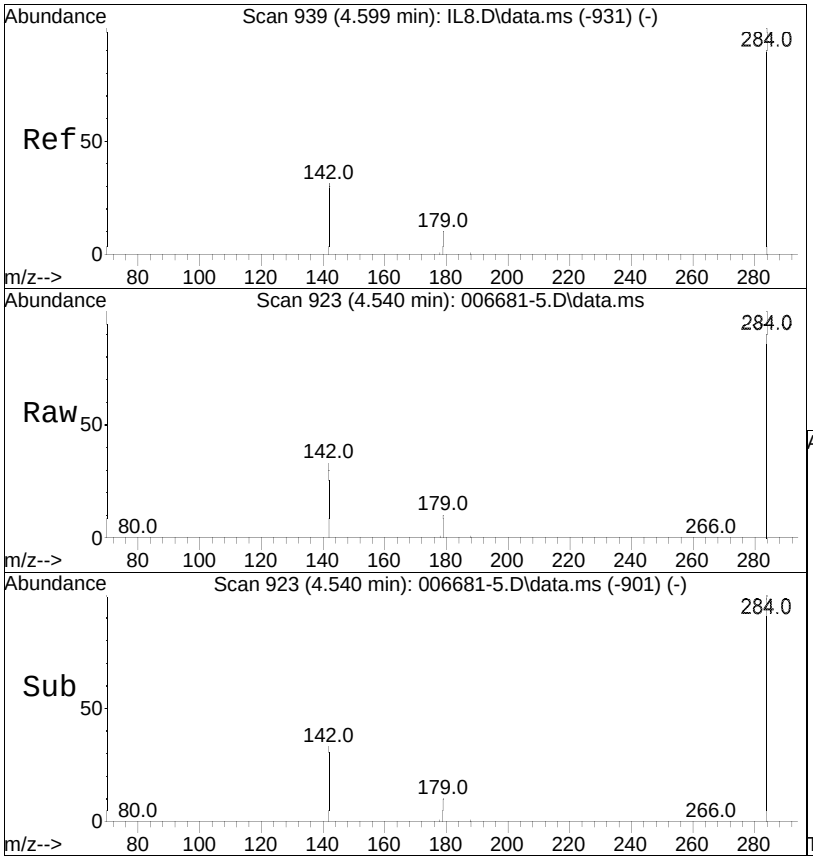


#23
4,6-Dinitro-o-cresol
Concen: 1697.62 ng/ml
RT: 4.250 min Scan# 847
Delta R.T. 0.005 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:198 Resp: 134823

Ion	Ratio	Lower	Upper
198	100		
105	42.2	33.1	49.7

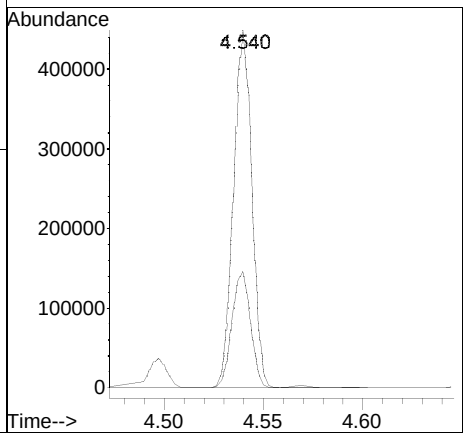


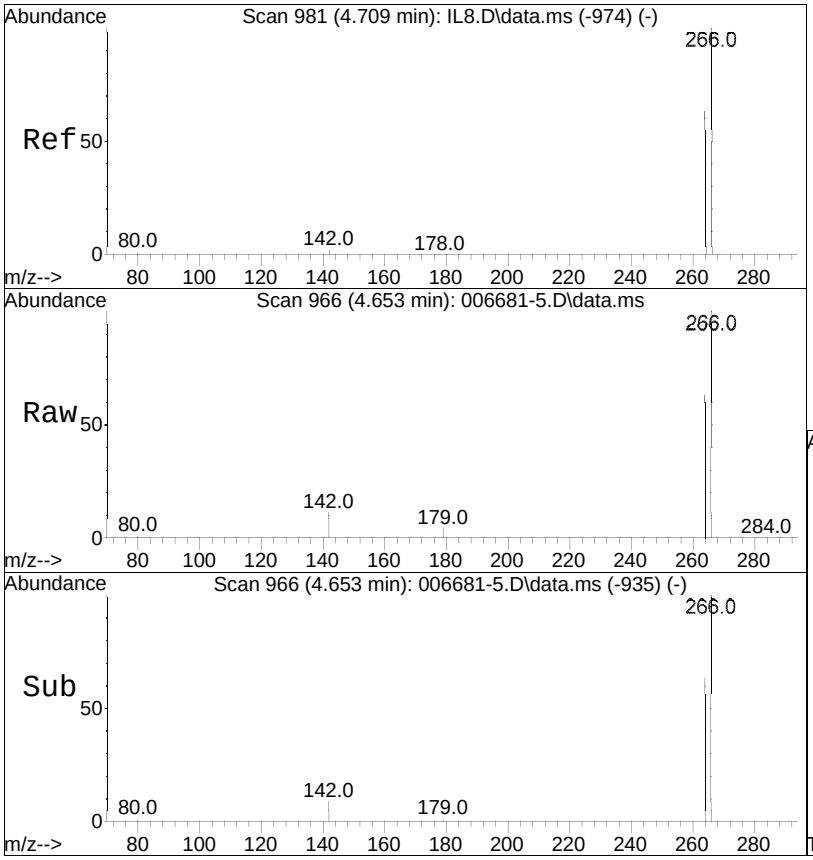


#24
Hexachlorobenzene
Concen: 1746.92 ng/ml
RT: 4.540 min Scan# 923
Delta R.T. 0.001 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:284 Resp: 284464

Ion	Ratio	Lower	Upper
284	100		
142	33.1	25.4	38.0

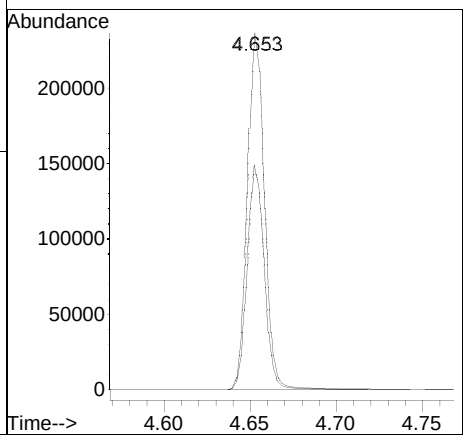


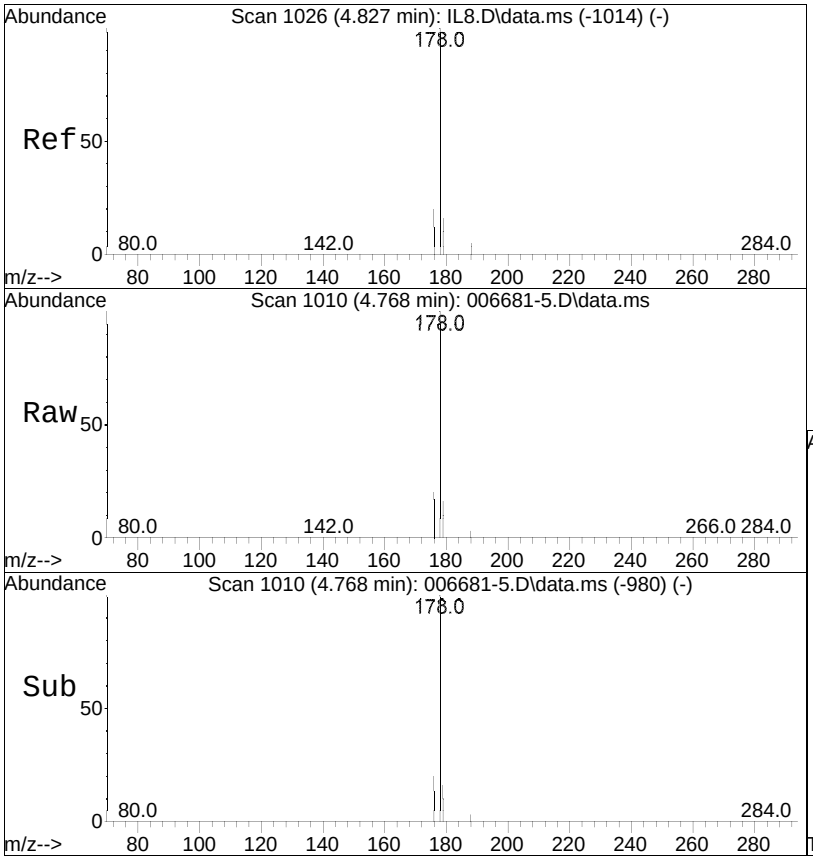


#25
Pentachlorophenol
Concen: 1818.87 ng/ml
RT: 4.653 min Scan# 966
Delta R.T. 0.001 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:266 Resp: 162651

Ion	Ratio	Lower	Upper
266	100		
264	63.0	50.6	76.0

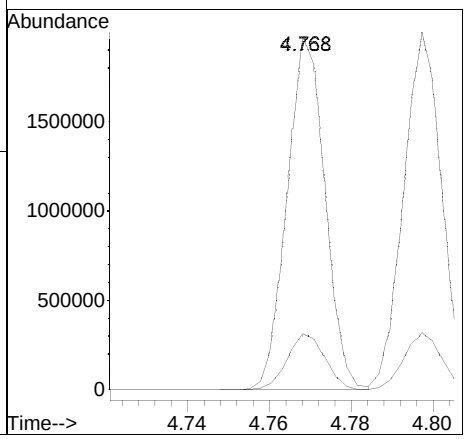


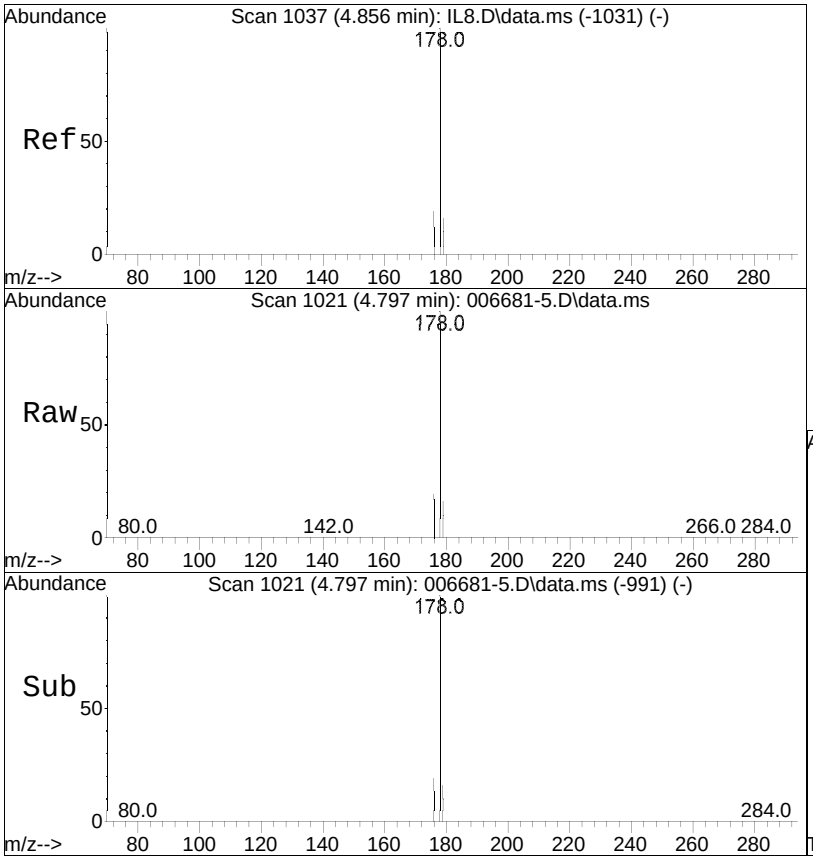


#26
Phenanthrene
Concen: 1808.74 ng/ml
RT: 4.768 min Scan# 1010
Delta R.T. -0.002 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:178 Resp: 1269460

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.8	19.2

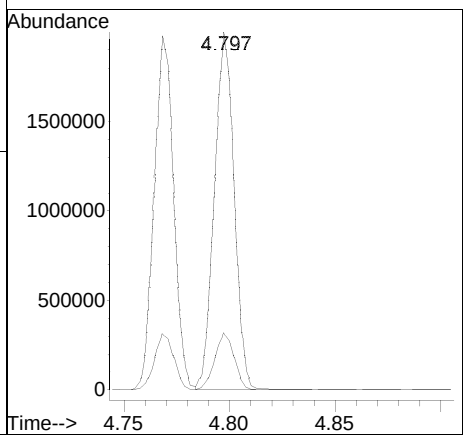


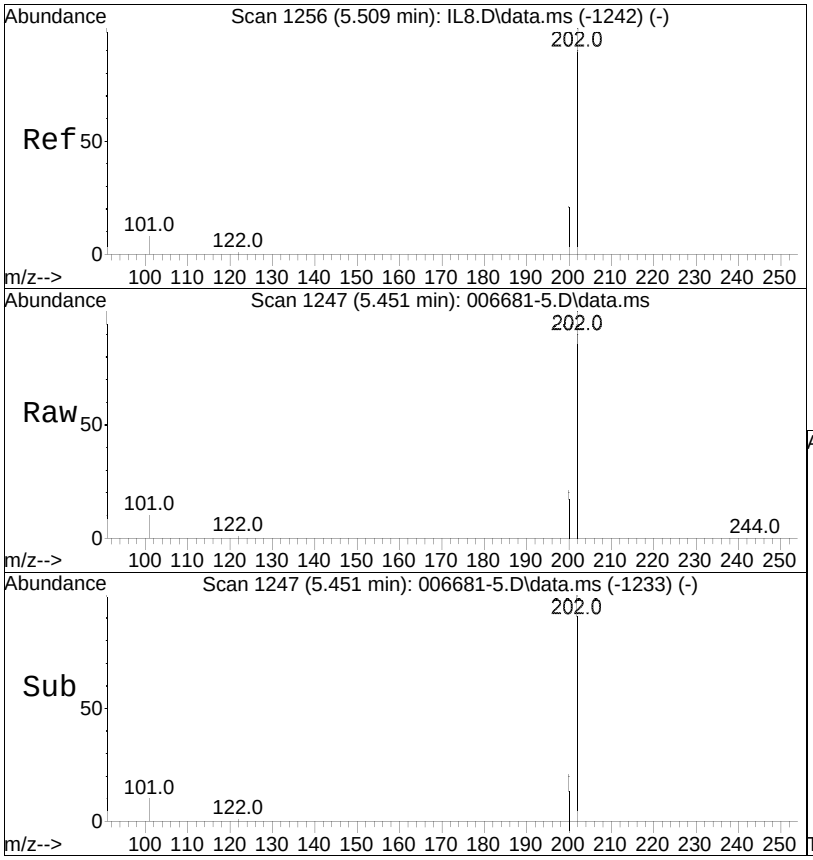


#27
Anthracene
Concen: 1919.44 ng/ml
RT: 4.797 min Scan# 1021
Delta R.T. -0.002 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:178 Resp: 1297171

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	18.8

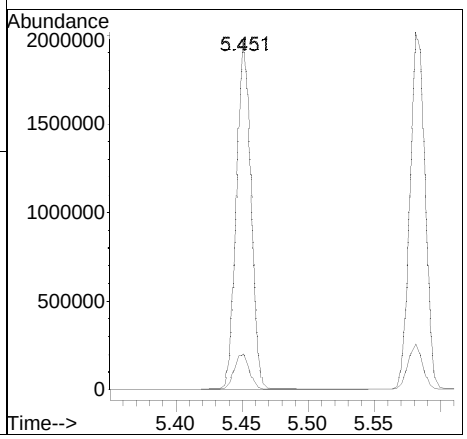


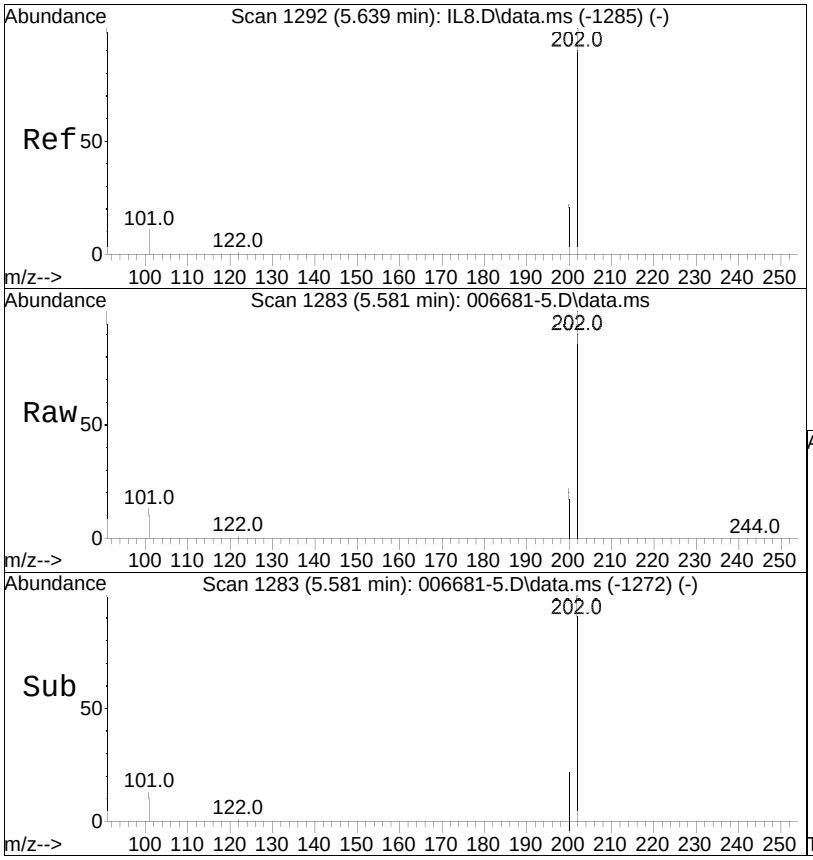


#28
Fluoranthene
Concen: 1892.99 ng/ml
RT: 5.451 min Scan# 1247
Delta R.T. -0.030 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:202 Resp: 1525918

Ion	Ratio	Lower	Upper
202	100		
101	10.6	7.7	11.5

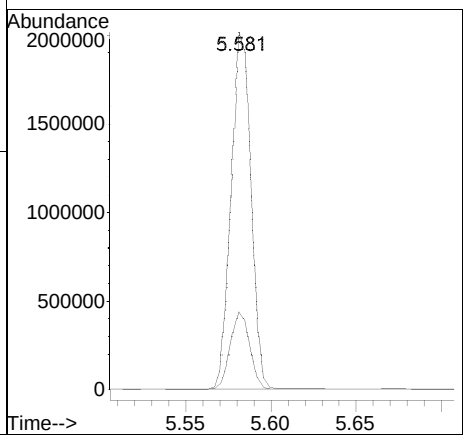


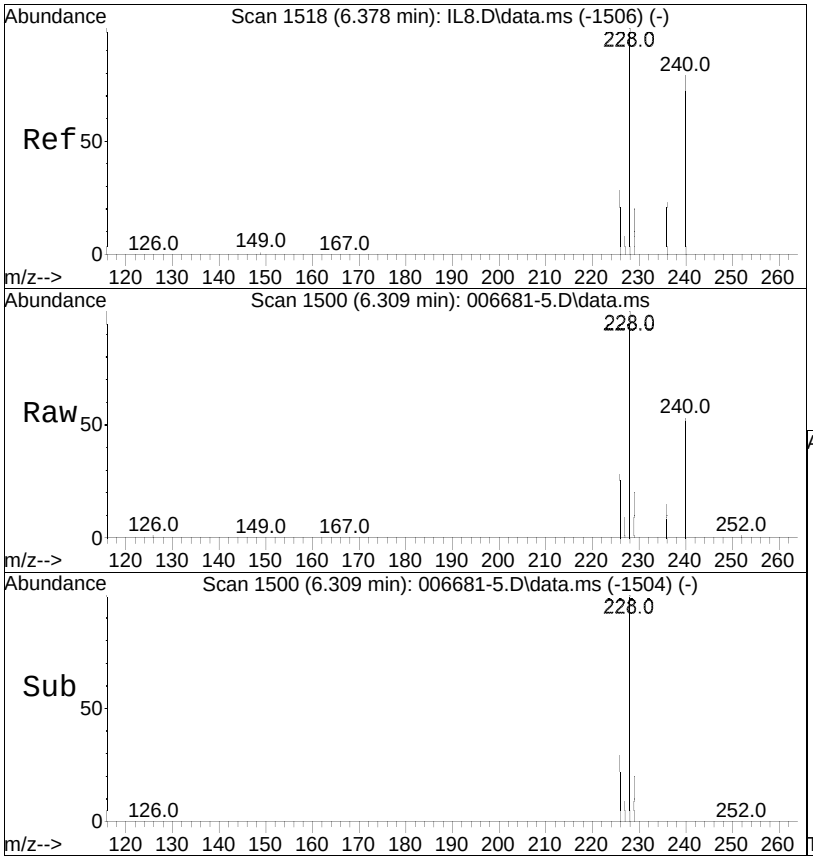


#29
Pyrene
Concen: 1895.28 ng/ml
RT: 5.581 min Scan# 1283
Delta R.T. -0.041 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:202 Resp: 1614509

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9

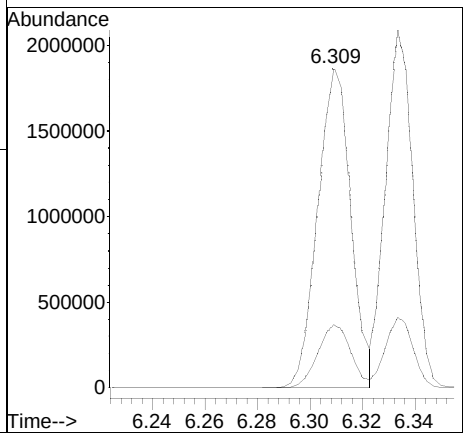


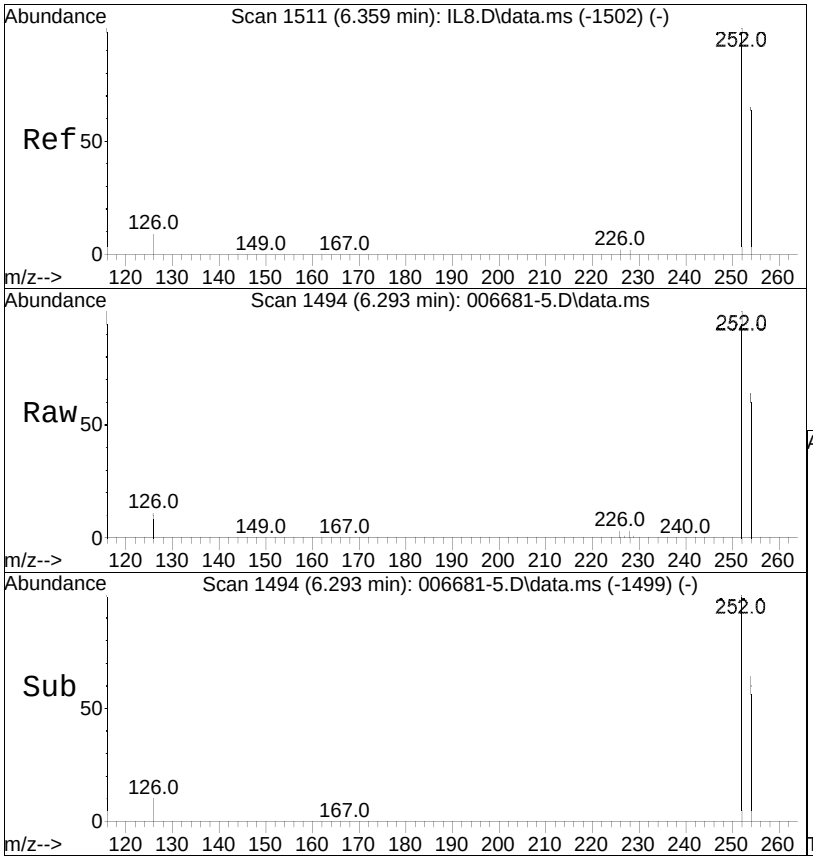


#32
Benzo[a]anthracene
Concen: 2140.28 ng/ml M1
RT: 6.309 min Scan# 1500
Delta R.T. -0.091 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:228 Resp: 1634496

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.9	23.9

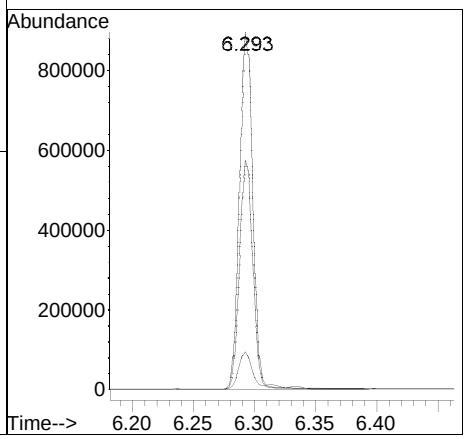


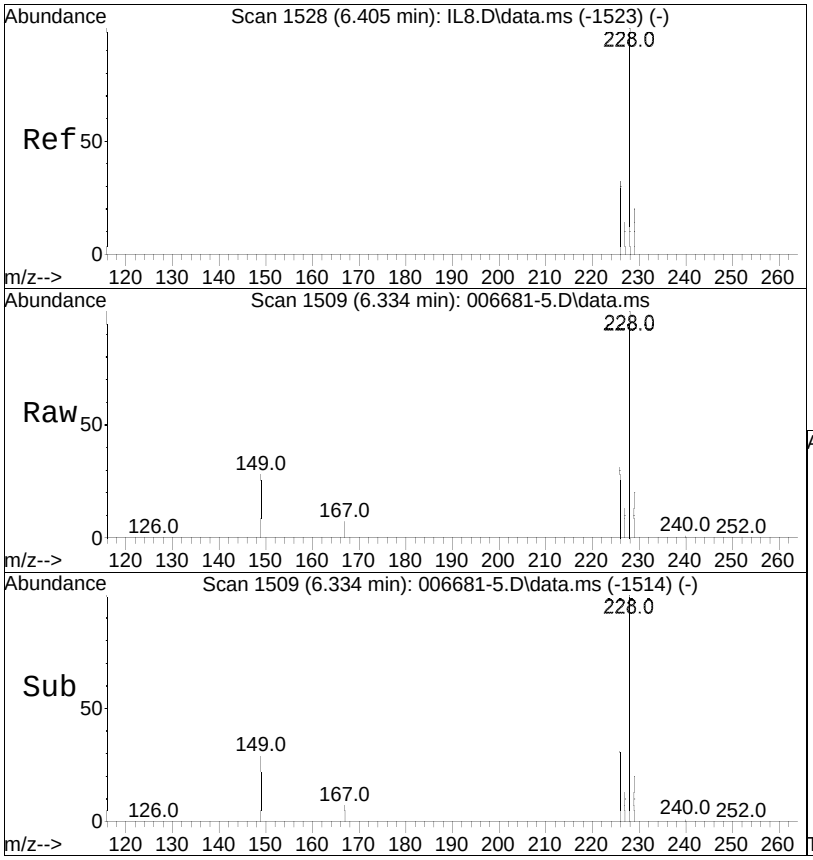


#33
3,3'-Dichlorobenzidine
Concen: 2340.93 ng/ml M4
RT: 6.293 min Scan# 1494
Delta R.T. -0.094 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:252 Resp: 664246

Ion	Ratio	Lower	Upper
252	100		
126	11.6	7.8	11.8
254	63.4	51.8	77.8

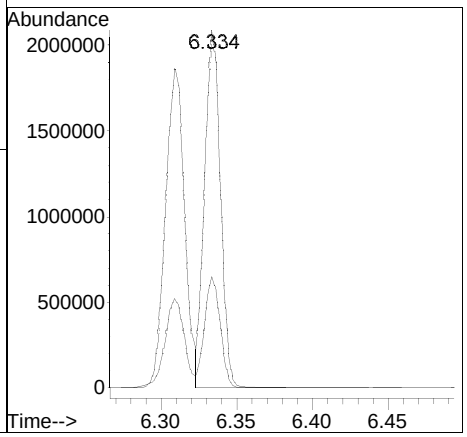


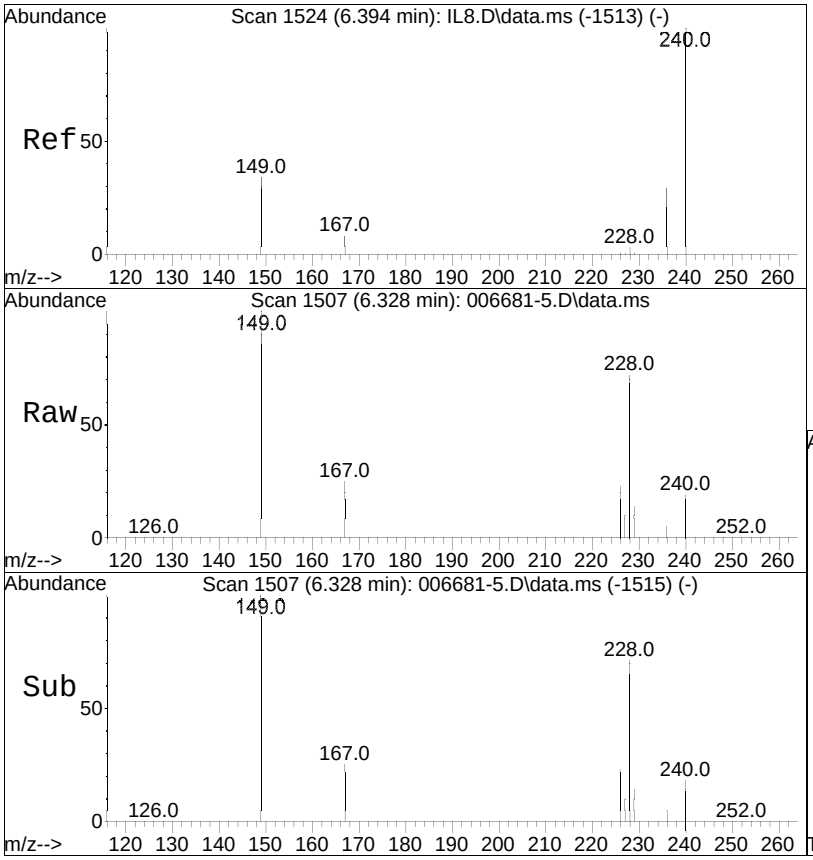


#34
Chrysene
Concen: 2119.13 ng/ml M6
RT: 6.334 min Scan# 1509
Delta R.T. -0.094 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:228 Resp: 1518418

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6

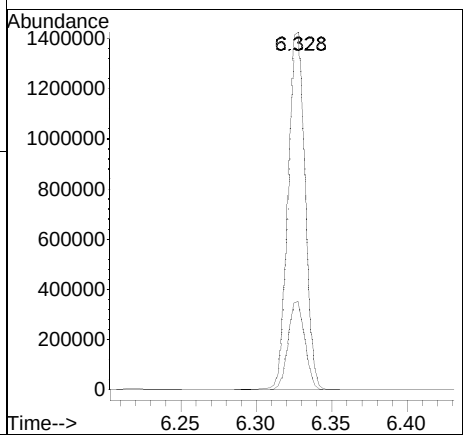


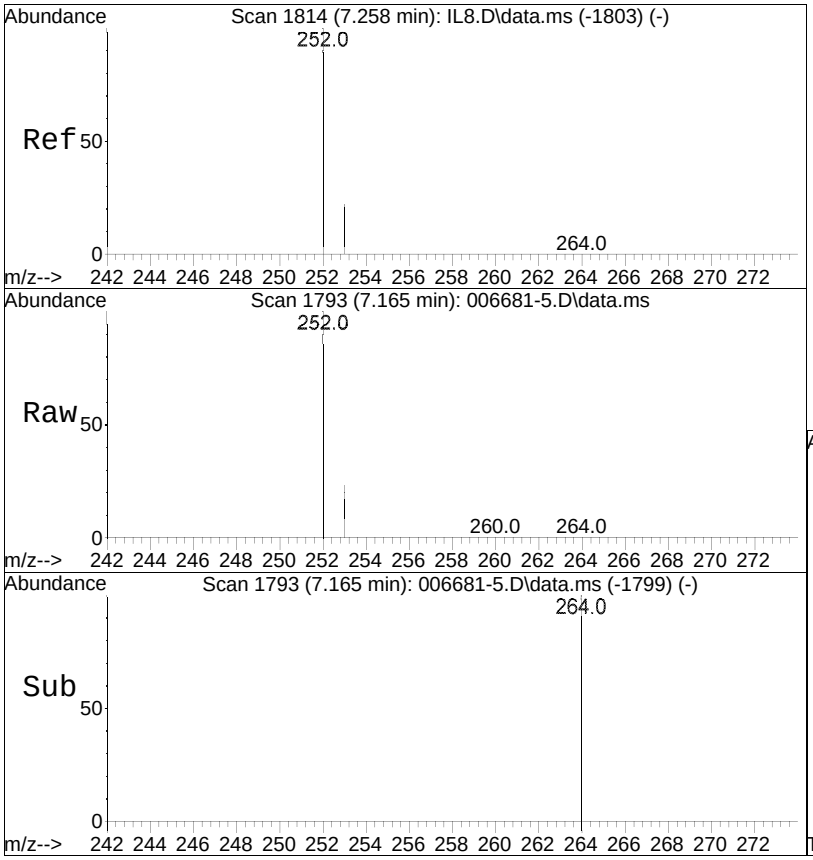


#35
Bis(2-ethylhexyl)phthalate
Concen: 2697.86 ng/ml M6
RT: 6.328 min Scan# 1507
Delta R.T. -0.102 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:149 Resp: 1106022

Ion	Ratio	Lower	Upper
149	100		
167	24.3	19.0	28.4

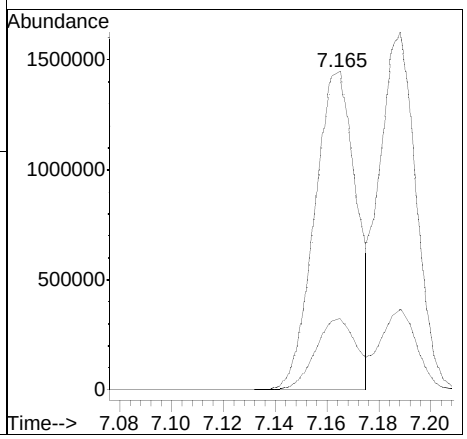


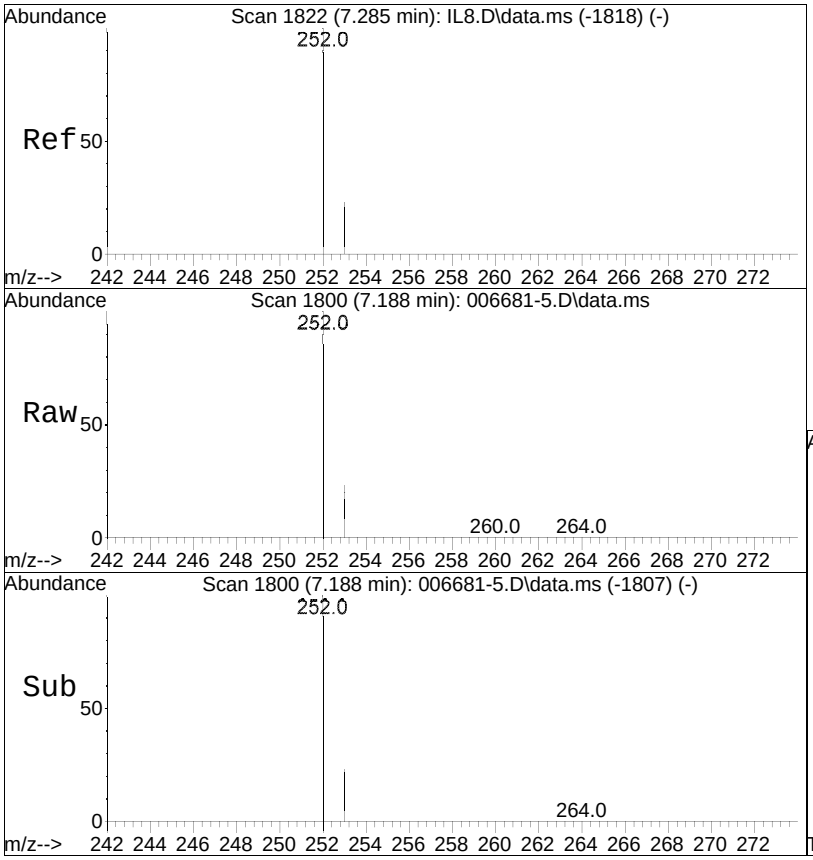


#37
Benzo[b]fluoranthene
Concen: 2077.82 ng/ml M6
RT: 7.165 min Scan# 1793
Delta R.T. -0.101 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:252 Resp: 1633366

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4

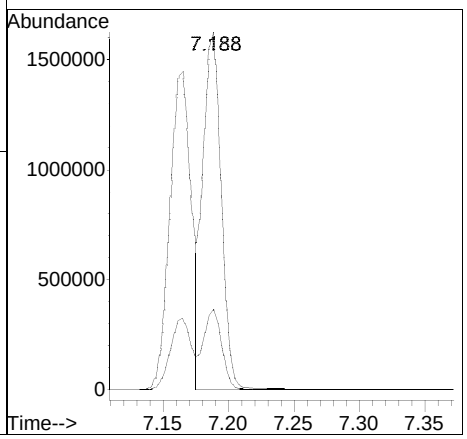


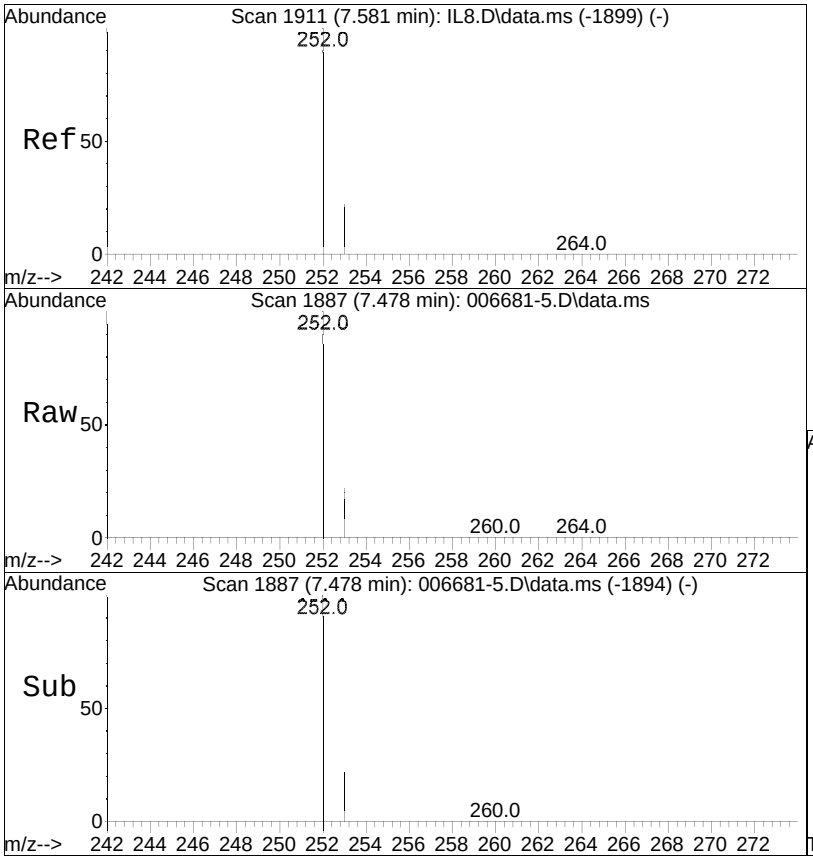


#38
Benzo[k]fluoranthene
Concen: 2194.25 ng/ml M1
RT: 7.188 min Scan# 1800
Delta R.T. -0.104 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:252 Resp: 1576358

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8

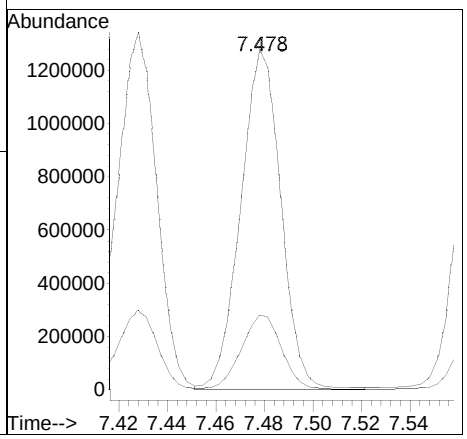


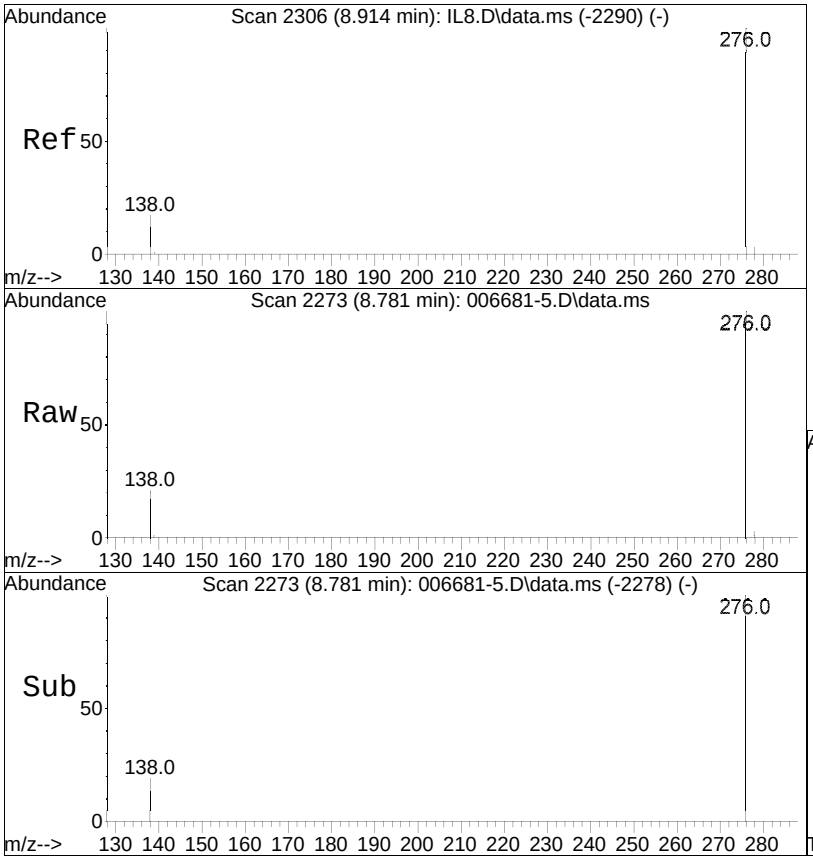


#39
Benzo[a]pyrene
Concen: 2251.45 ng/ml M6
RT: 7.478 min Scan# 1887
Delta R.T. -0.104 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:252 Resp: 1467874

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3

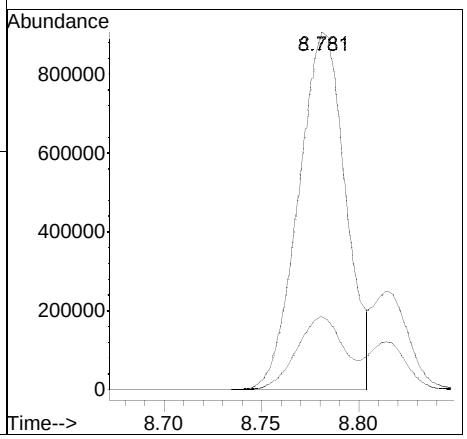


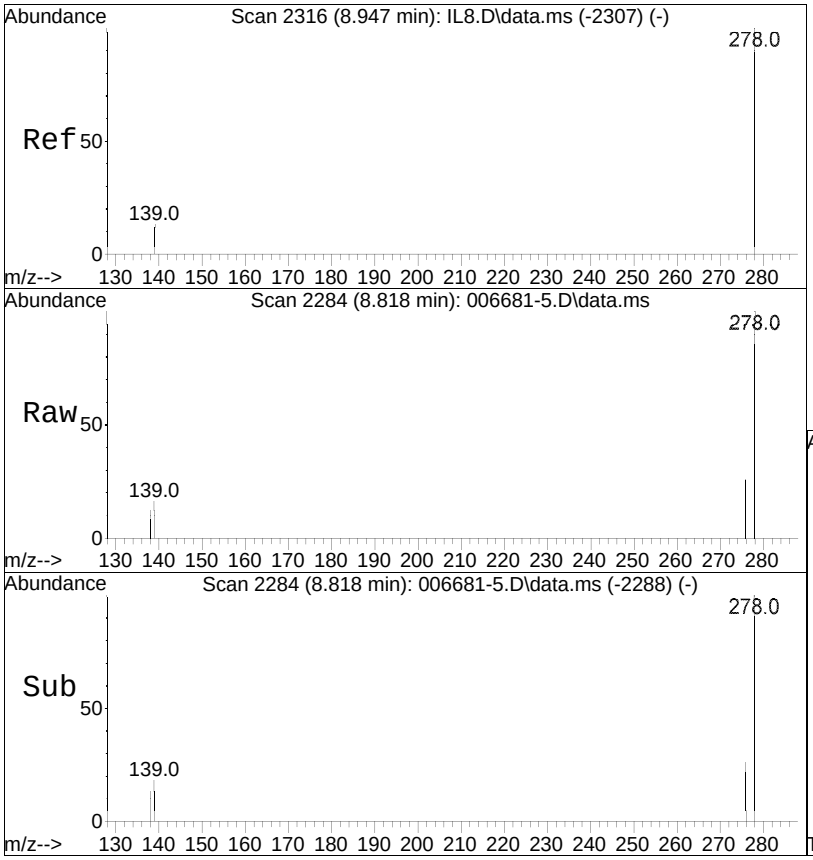


#40
Indeno[1,2,3-cd]pyrene
Concen: 2165.87 ng/ml M6
RT: 8.781 min Scan# 2273
Delta R.T. -0.098 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:276 Resp: 1516536

Ion	Ratio	Lower	Upper
276	100		
138	20.9	13.3	19.9#

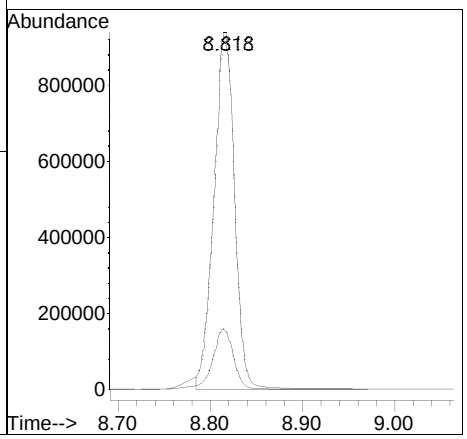


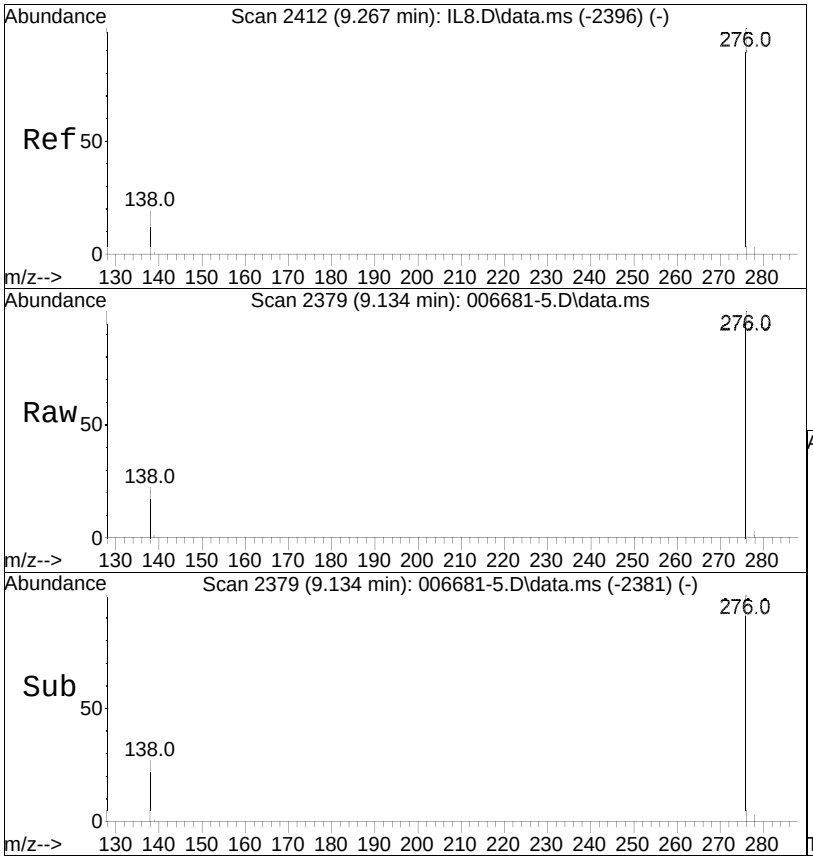


#41
Dibenzo[a,h]anthracene
Concen: 2238.68 ng/ml M1
RT: 8.818 min Scan# 2284
Delta R.T. -0.094 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:278 Resp: 1443833

Ion	Ratio	Lower	Upper
278	100		
139	16.8	11.1	16.7#

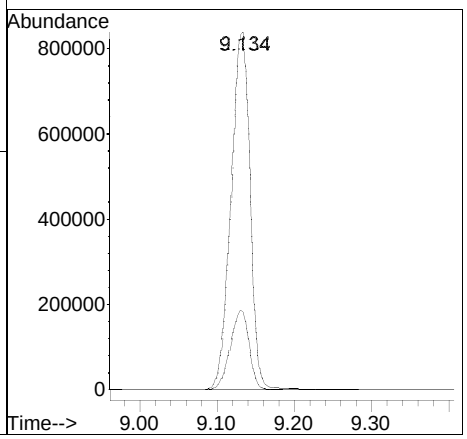




#42
Benzo[g,h,i]perylene
Concen: 2077.94 ng/ml M6
RT: 9.134 min Scan# 2379
Delta R.T. -0.088 min
Lab File: 006681-5.D
Acq: 09 Dec 2024 03:00 pm

Tgt Ion:276 Resp: 1413670

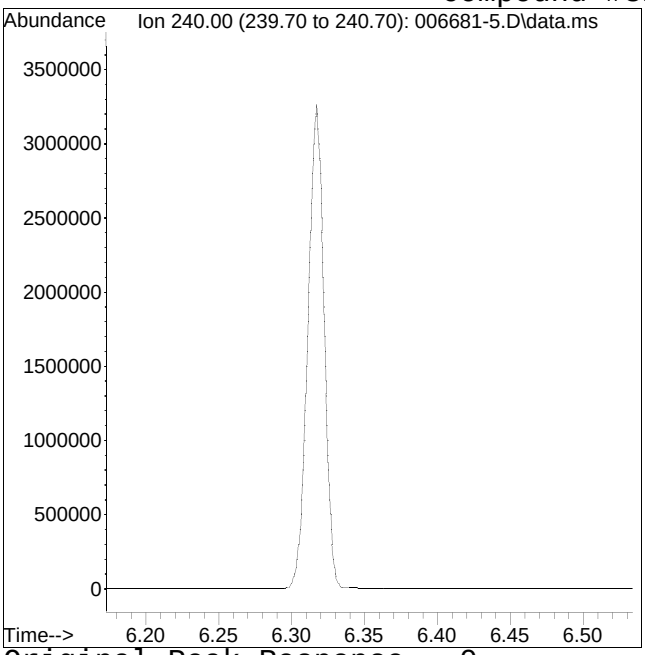
Ion	Ratio	Lower	Upper
276	100		
138	22.1	14.6	22.0#



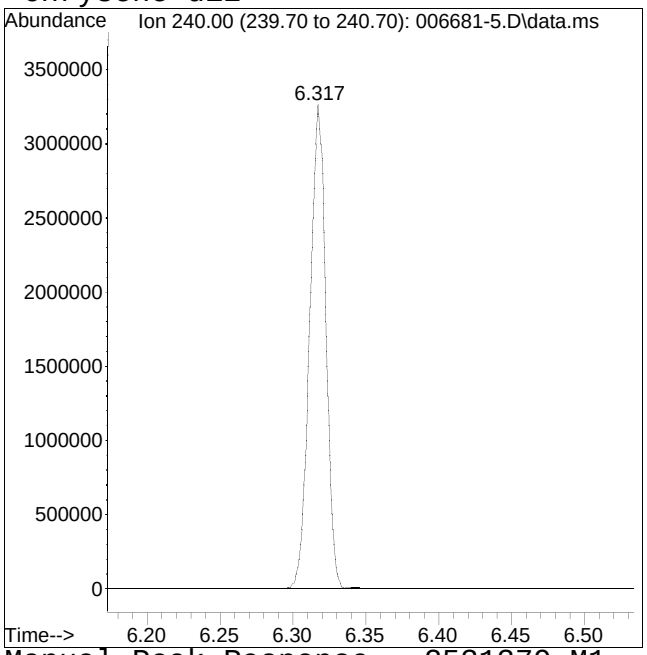
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-5.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 3:00 pm Instrument : SV125
Sample : WG2006681-5,32,,kmh Quant Date : 12/9/2024 3:15 pm

Compound #31: Chrysene-d12



Original Peak Response = 0



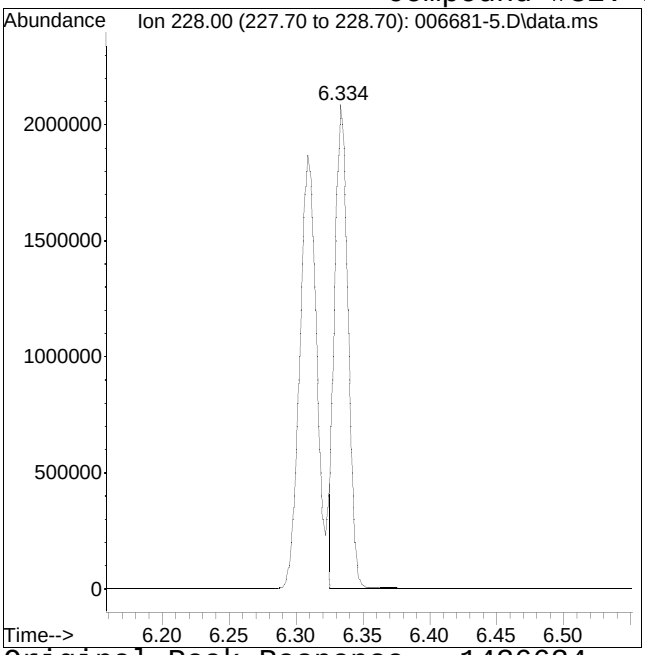
Manual Peak Response = 2531379 M1

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

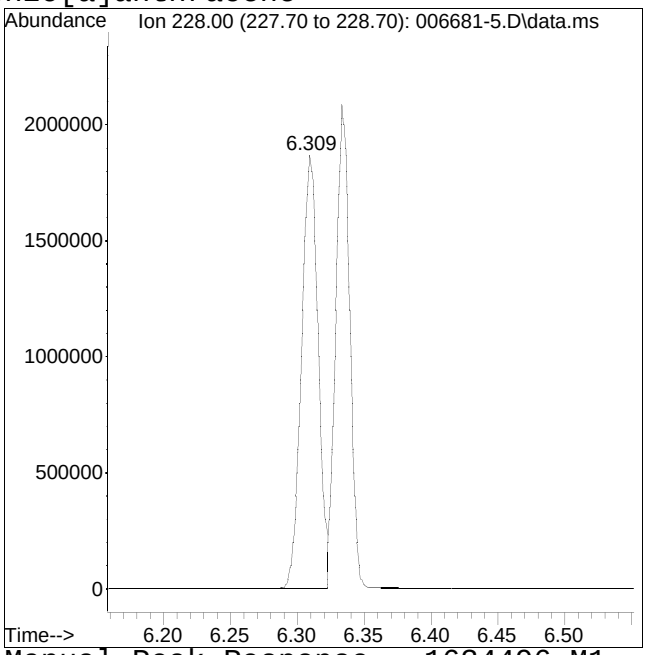
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-5.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 3:00 pm Instrument : SV125
Sample : WG2006681-5,32,,kmh Quant Date : 12/9/2024 3:15 pm

Compound #32: Benzo[a]anthracene



Original Peak Response = 1436634



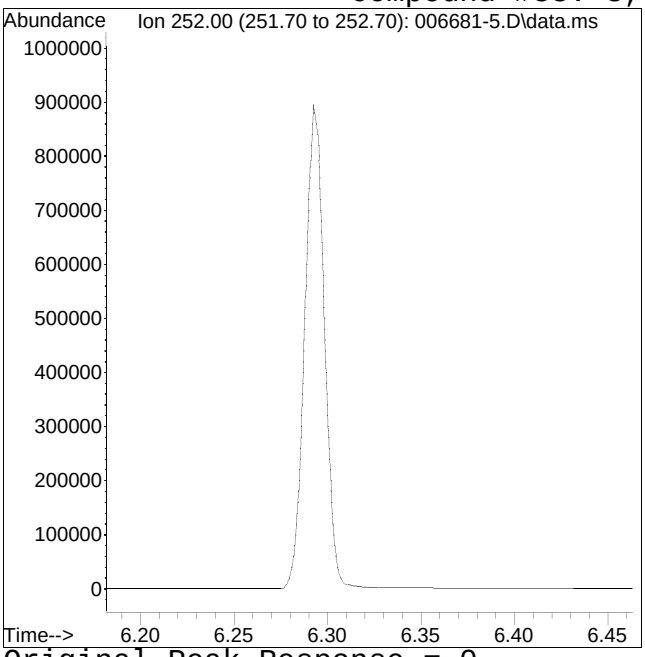
Manual Peak Response = 1634496 M1

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

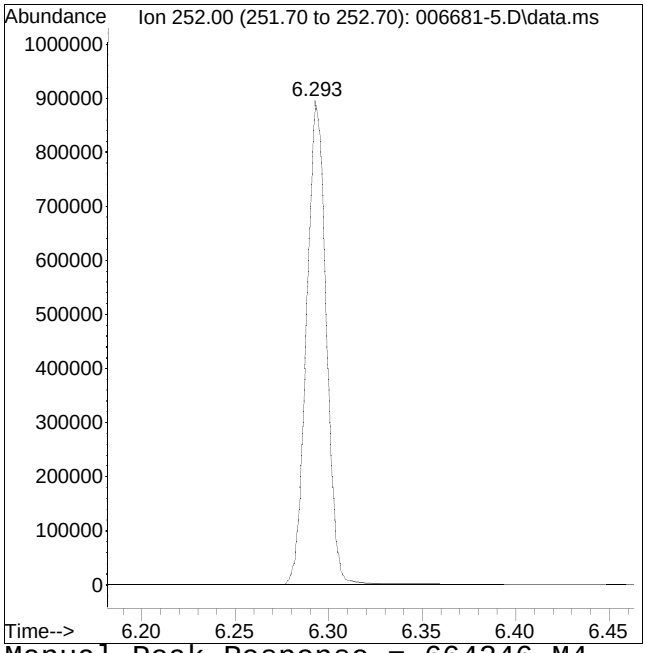
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-5.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 3:00 pm Instrument : SV125
Sample : WG2006681-5,32,,kmh Quant Date : 12/9/2024 3:15 pm

Compound #33: 3,3'-Dichlorobenzidine



Original Peak Response = 0



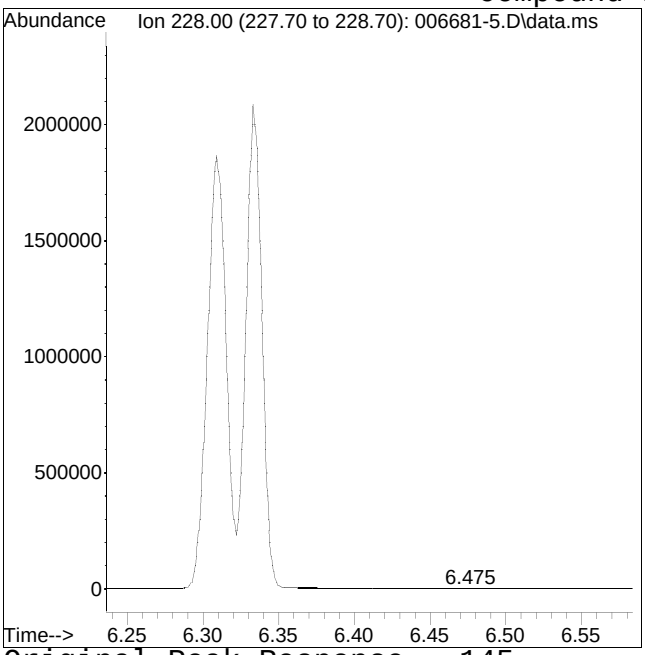
Manual Peak Response = 664246 M4

M4 = Poor automated baseline construction.

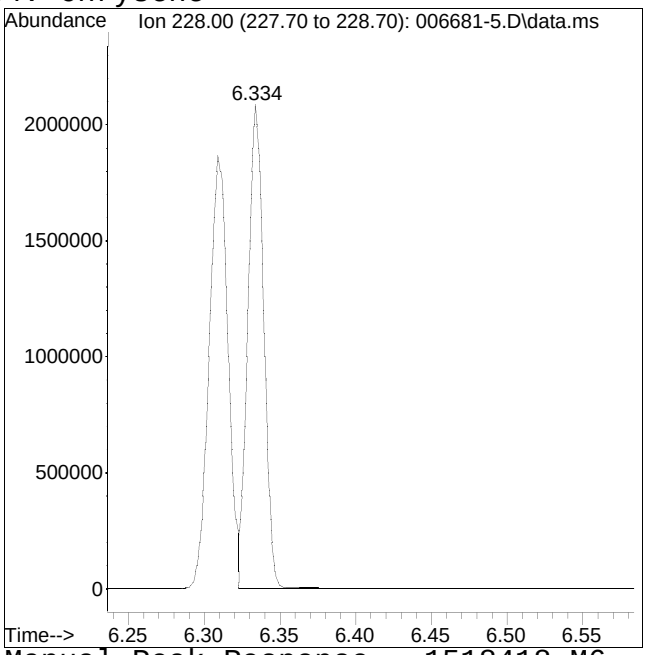
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-5.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 3:00 pm Instrument : SV125
Sample : WG2006681-5,32,,kmh Quant Date : 12/9/2024 3:15 pm

Compound #34: Chrysene



Original Peak Response = 145



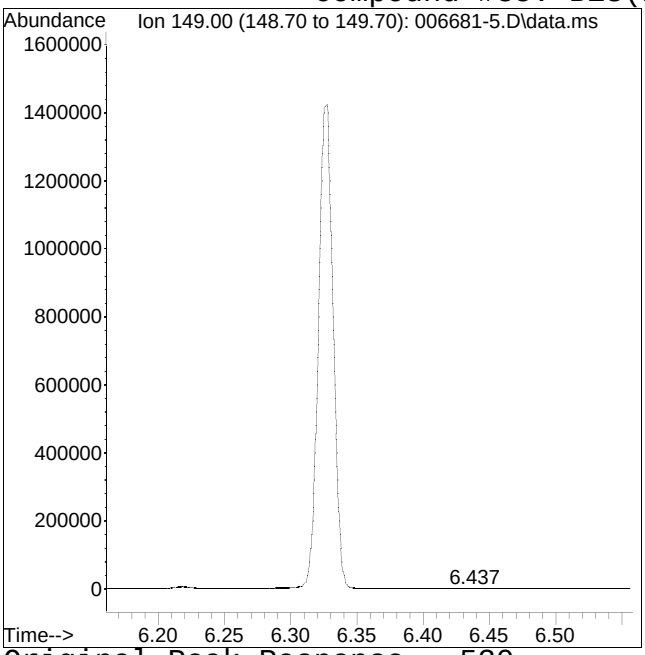
Manual Peak Response = 1518418 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

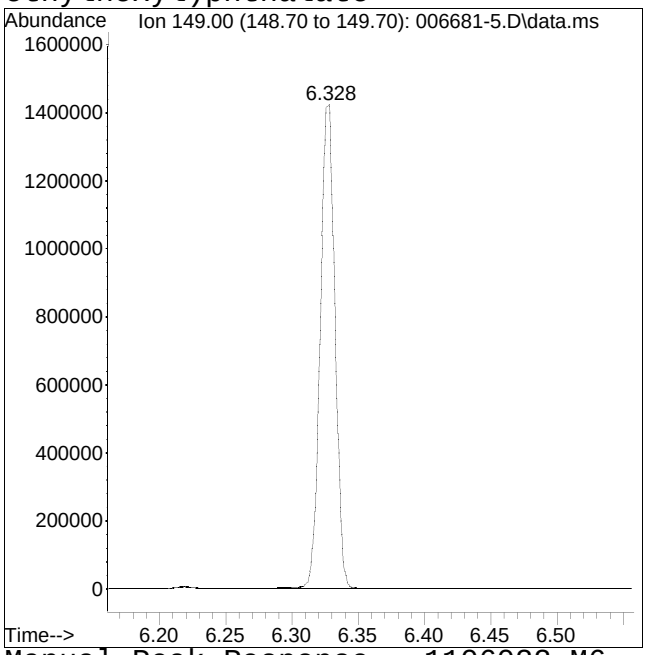
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-5.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 3:00 pm Instrument : SV125
Sample : WG2006681-5,32,,kmh Quant Date : 12/9/2024 3:15 pm

Compound #35: Bis(2-ethylhexyl)phthalate



Original Peak Response = 530



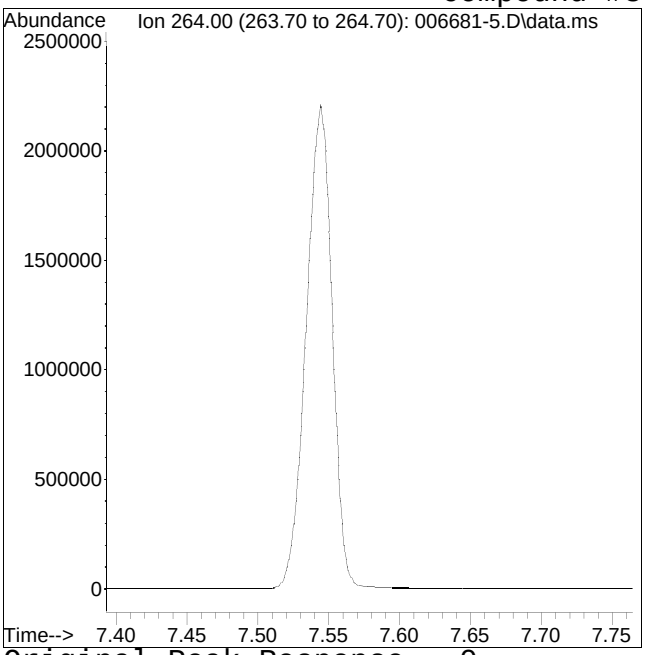
Manual Peak Response = 1106022 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

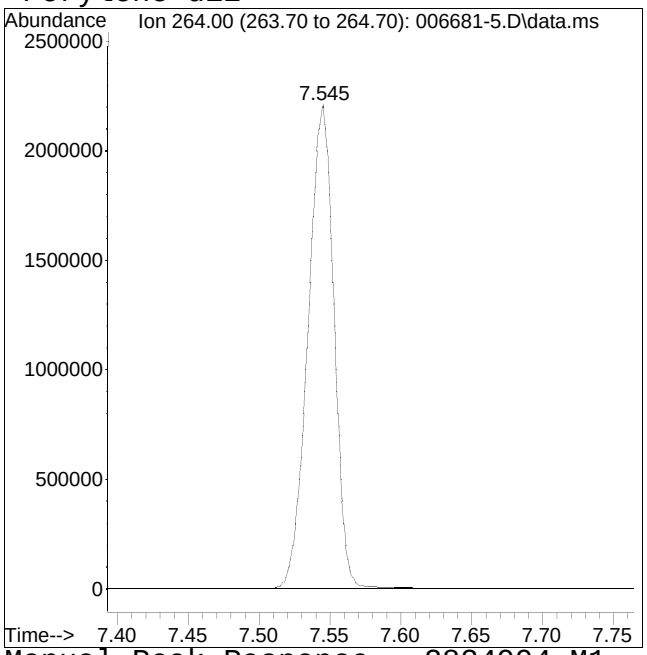
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-5.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 3:00 pm Instrument : SV125
Sample : WG2006681-5,32,,kmh Quant Date : 12/9/2024 3:15 pm

Compound #36: Perylene-d12



Original Peak Response = 0



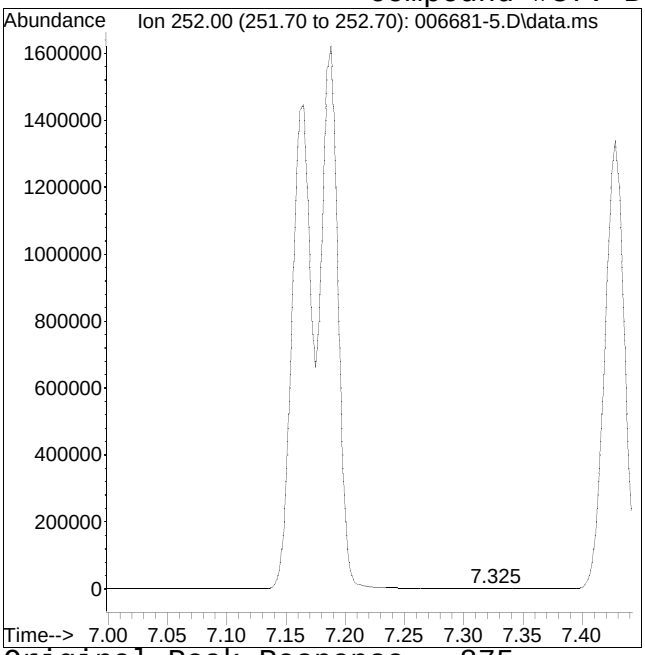
Manual Peak Response = 2824994 M1

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

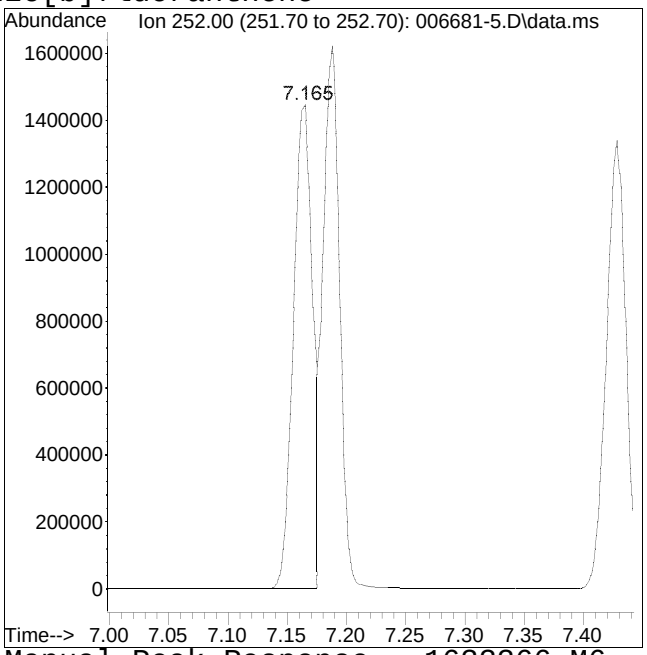
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-5.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 3:00 pm Instrument : SV125
Sample : WG2006681-5,32,,kmh Quant Date : 12/9/2024 3:15 pm

Compound #37: Benzo[b]fluoranthene



Original Peak Response = 875



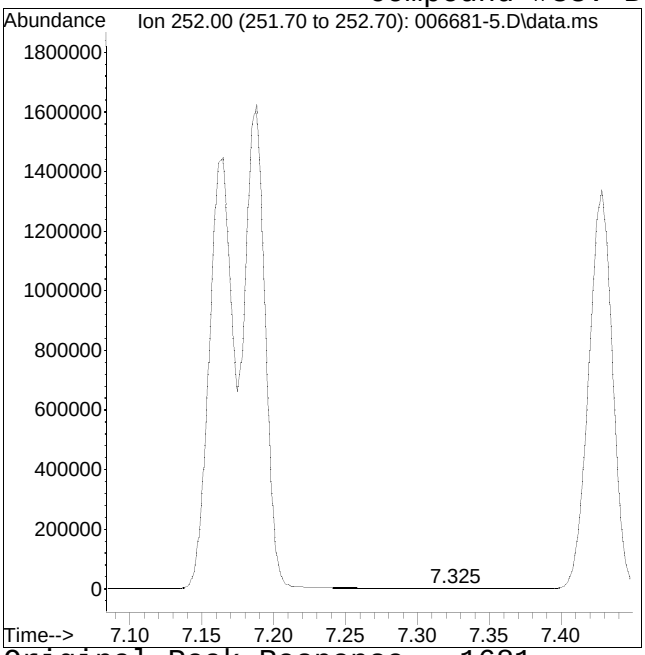
Manual Peak Response = 1633366 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

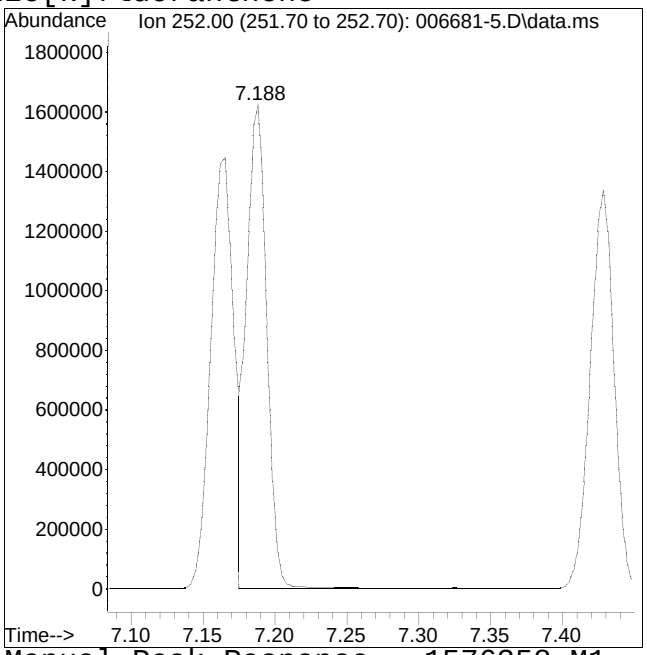
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-5.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 3:00 pm Instrument : SV125
Sample : WG2006681-5,32,,kmh Quant Date : 12/9/2024 3:15 pm

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 1681



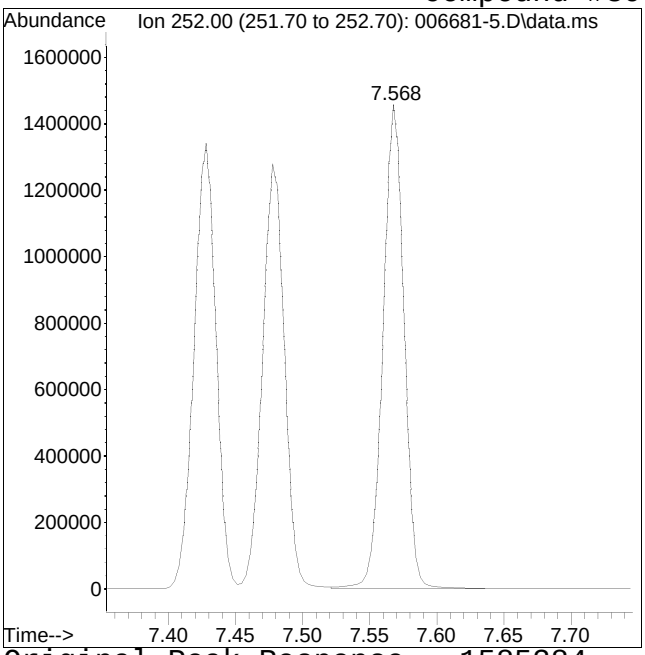
Manual Peak Response = 1576358 M1

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

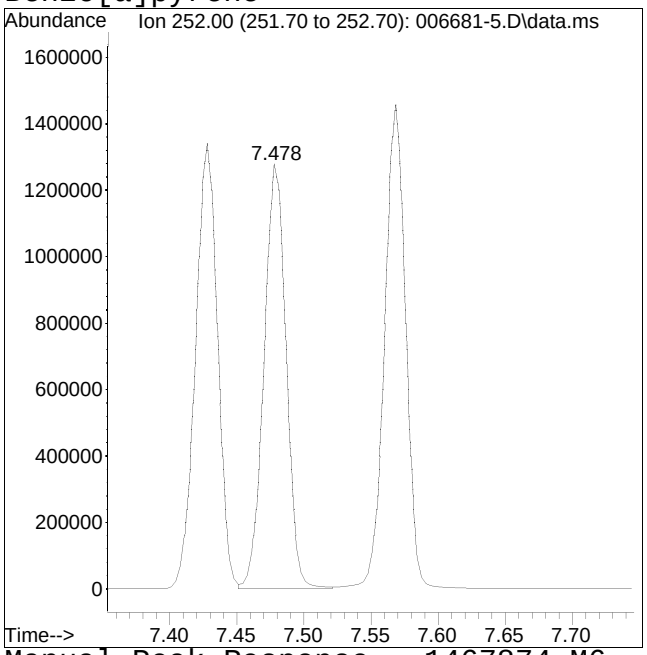
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-5.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 3:00 pm Instrument : SV125
Sample : WG2006681-5,32,,kmh Quant Date : 12/9/2024 3:15 pm

Compound #39: Benzo[a]pyrene



Original Peak Response = 1585384



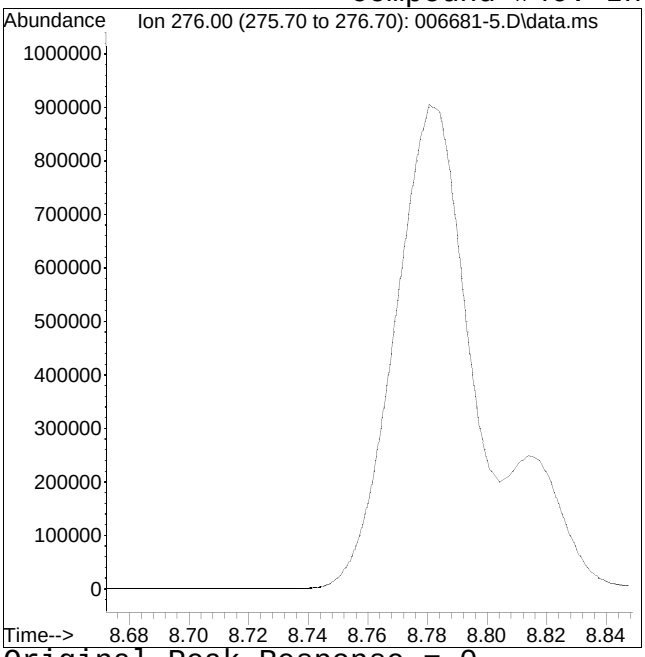
Manual Peak Response = 1467874 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

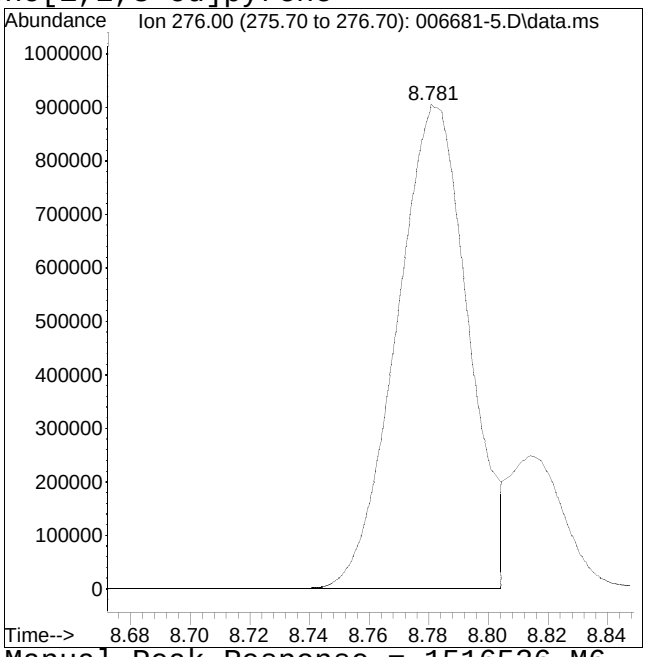
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-5.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 3:00 pm Instrument : SV125
Sample : WG2006681-5,32,,kmh Quant Date : 12/9/2024 3:15 pm

Compound #40: Indeno[1,2,3-cd]pyrene



Original Peak Response = 0



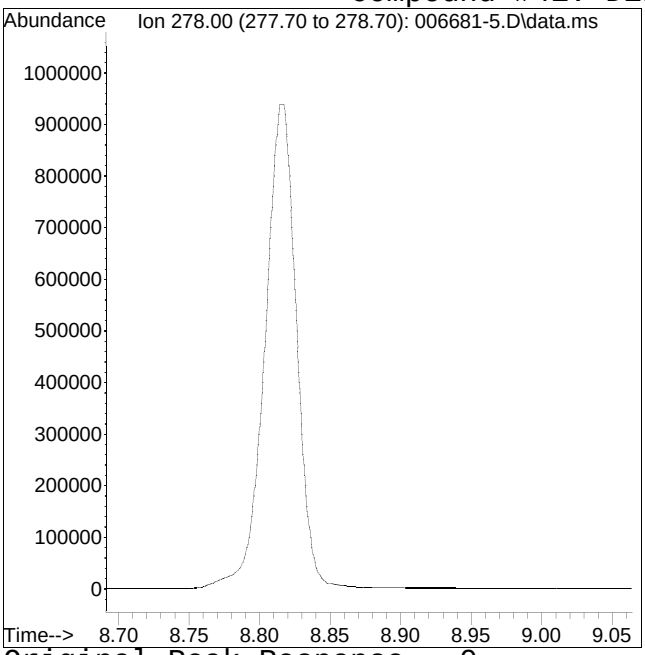
Manual Peak Response = 1516536 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

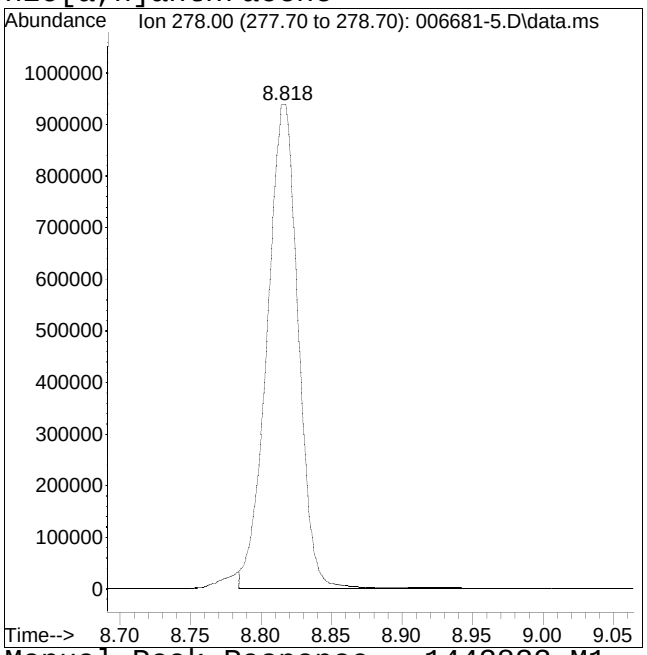
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-5.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 3:00 pm Instrument : SV125
Sample : WG2006681-5,32,,kmh Quant Date : 12/9/2024 3:15 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 0



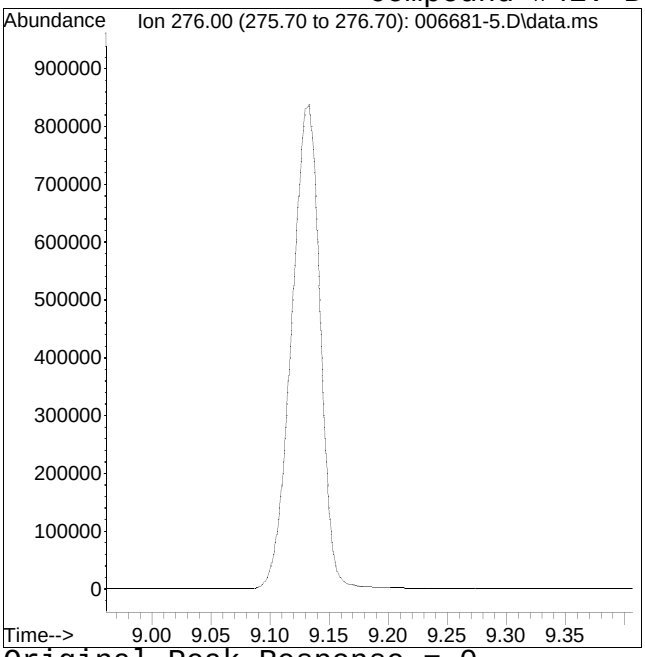
Manual Peak Response = 1443833 M1

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

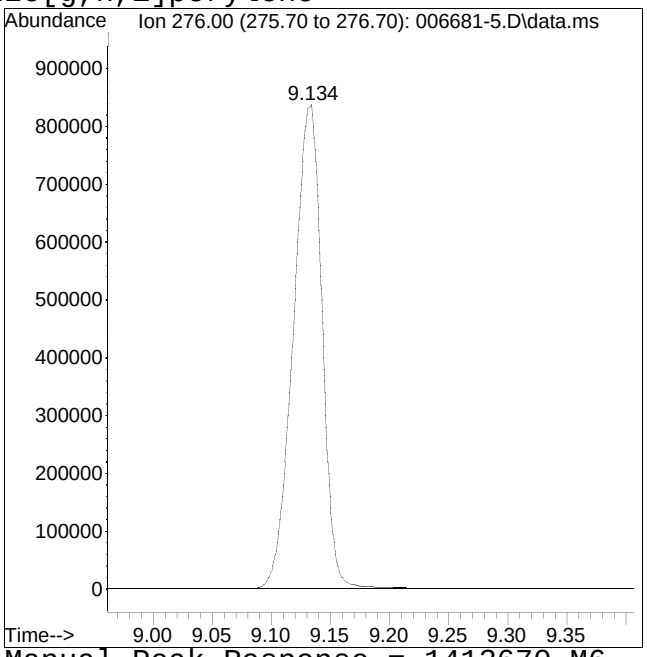
Manual Integration Report

Data Path : I:\8270SIM\SV125\241209aRVQMethod : SIM-RVT_241105n_sv125.M
Data File : 006681-5.D Operator : SV125:jjw
Date Inj'd : 12/9/2024 3:00 pm Instrument : SV125
Sample : WG2006681-5,32,,kmh Quant Date : 12/9/2024 3:15 pm

Compound #42: Benzo[g,h,i]perylene



Original Peak Response = 0



Manual Peak Response = 1413670 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)

Dec 18 2024, 01:31 pm

Work Group: WG2005370 for Department: 2 Organic Preparation

Created: 04-DEC-24 Due: Operator: YDA

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2470744-01	2A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2470744-02	2B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2470744-03	3A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2470744-04	3B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2470744-05	4A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-06	4B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-07	5A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-08	5B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-09	6A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2470744-11	7A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-12	7B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2470744-13	8A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-14	8B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-15	9A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-16	9B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-17	10A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-18	10B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-19	DUP 001	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
WG2005370-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2005370-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2005370-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2005370-4	Matrix Spike	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2005370-5	Matrix Spike Duplica	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG2005370-3	WG2005370-2
WG2005370-4	L2470744-04
WG2005370-5	L2470744-04

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 18 2024, 01:31 pm

Work Group: WG2006013 for Department: 2 Organic Preparation

Created: 06-DEC-24 Due: Operator: RET

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2470732-01	MW-1	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470732-02	MW-2	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470732-03	MW-3	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
L2470744-21	FIELD BLANK	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1210	1210	S0	Amber-A.1
WG2006013-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2006013-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2006013-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG2006013-3 WG2006013-2

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 18 2024, 01:31 pm

Work Group: WG2006681 for Department: 2 Organic Preparation

Created: 09-DEC-24 Due: Operator: ARP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2470744-10	6B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1209	1210	S0	Amber-A.1
L2471449-01	MW-04S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1211	1212	S0	Amber-A.1
L2471449-02	MW-04D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1211	1212	S0	Amber-A.1
L2471449-03	MW-05S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1211	1212	S0	Amber-A.1
L2471449-04	MW-05D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1211	1212	S0	Amber-A.1
L2471449-05	MW-06S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1211	1212	S0	Amber-A.1
L2471449-06	MW-06D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1211	1212	S0	Amber-A.1
L2471449-07	MW-07S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1211	1212	S0	Amber-A.1
L2471449-08	MW-07D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1211	1212	S0	Amber-A.1
L2471449-09	RMW-03S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1211	1212	S0	Amber-A.1
L2471449-10	RMW-03D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1211	1212	S0	Amber-A.1
L2471449-11	DUP001	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1211	1212	S0	Amber-A.1
L2471449-12	EQUIPMENT BLANK 1	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1211	1212	S0	Amber-A.1
L2471449-13	EQUIPMENT BLANK 2	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1211	1212	S0	Amber-A.1
L2471547-03	MW-01	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1213	1213	S0	Amber-A.1
L2471600-01	MW-01	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1213	1213	S0	Amber-A.1
L2471600-02	MW-02	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1213	1213	S0	Amber-A.1
L2471600-03	DUP-01_20241206	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1213	1213	S0	Amber-A.1
L2471600-04	MW-03	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	1213	1213	S0	Amber-A.1
WG2006681-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2006681-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2006681-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2006681-4	Matrix Spike	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2006681-5	Matrix Spike Duplica	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG2006681-3	WG2006681-2
WG2006681-4	L2471449-06
WG2006681-5	L2471449-06

Analysis log File

Total Files Reported in Log : 15
Log Generated From Directory: I:\8270SIM\SV118\241025RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	L8scan.D	SIM-RVT.M	1000 ng/ml		10/25/2024 2:23 pm
2	L8scana.D	SIM-RVT.M	1000 ng/ml		10/25/2024 2:51 pm
3	TUNE.D	DFTPPRUN.M	TUNE	WG1990947,,ical	10/25/2024 3:53 pm
4	L10.D	SIM-RVT.M	IL10,32,, #10885 5000 n	WG1990947,,ical	10/25/2024 4:43 pm
5	L9.D	SIM-RVT.M	IL9,32,, #10901 2500 ng	WG1990947,,ical	10/25/2024 5:01 pm
6	L8.D	SIM-RVT.M	IL8,32,, #10888 1000 ng	WG1990947,,ical	10/25/2024 5:19 pm
7	L7.D	SIM-RVT.M	IL7,32,, #10889 500 ng/	WG1990947,,ical	10/25/2024 5:37 pm
8	L6.D	SIM-RVT.M	IL6,32,, #10899 100 ng/	WG1990947,,ical	10/25/2024 5:55 pm
9	L5.D	SIM-RVT.M	IL5,32,, #10891 40 ng/m	WG1990947,,ical	10/25/2024 6:12 pm
10	L4.D	SIM-RVT.M	IL4,32,, #10892 10 ng/m	WG1990947,,ical	10/25/2024 6:29 pm
11	L3.D	SIM-RVT.M	IL3,32,, #10893 5 ng/ml	WG1990947,,ical	10/25/2024 6:46 pm
12	L2.D	SIM-RVT.M	IL2,32,, #10900 2 ng/ml	WG1990947,,ical	10/25/2024 7:03 pm
13	L1.D	SIM-RVT.M	IL1,32,, #10895 1 ng/ml	WG1990947,,ical	10/25/2024 7:21 pm
14	ICV.D	SIM-RVT.M	QCICV,32,, #10884 1000	WG1990947,,ical	10/25/2024 7:38 pm
15	instblk.D	SIM-RVT.M			10/25/2024 7:55 pm

Analysis log File

Total Files Reported in Log : 17
Log Generated From Directory: I:\8270SIM\sv120\241105RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	TUNE.D	DFTPPRVT.M	TUNE	WG1993471	11/5/2024 6:14 am
2	ccvtest.D	fast-SIM-RVT			11/5/2024 6:32 am
3	ccvtesta.D	fast-SIM-RVT			11/5/2024 6:58 am
4	ccvtestb.D	fast-SIM-RVT			11/5/2024 7:14 am
5	IL10.D	fast-SIM-RVT	IL10,32,,5000.0ng/mL lo	WG1993471	11/5/2024 7:30 am
6	IL9.D	fast-SIM-RVT	IL9,32,,2500.0ng/mL lot	WG1993471	11/5/2024 7:47 am
7	IL8.D	fast-SIM-RVT	IL8,32,,1000.0ng/mL lot	WG1993471	11/5/2024 8:03 am
8	IL7.D	fast-SIM-RVT	IL7,32,,500.0ng/mL lot#	WG1993471	11/5/2024 8:19 am
9	IL6.D	fast-SIM-RVT	IL6,32,,100.0ng/mL lot#	WG1993471	11/5/2024 8:36 am
10	IL5.D	fast-SIM-RVT	IL5,32,,40.0ng/mL lot#	WG1993471	11/5/2024 8:52 am
11	IL4.D	fast-SIM-RVT	IL4,32,,10.0ng/mL lot#1	WG1993471	11/5/2024 9:08 am
12	IL3.D	fast-SIM-RVT	IL3,32,,5.0ng/mL lot# 1	WG1993471	11/5/2024 9:24 am
13	IL2.D	fast-SIM-RVT	IL2,32,,2.0ng/mL lot# 1	WG1993471	11/5/2024 9:41 am
14	IL1.D	fast-SIM-RVT	IL1,32,,1.0ng/mL lot# 1	WG1993471	11/5/2024 9:57 am
15	ICV.D	fast-SIM-RVT	CQICV,32,,1000.0ng/mL I	WG1993471	11/5/2024 10:13 am
16	insblk.D	fast-SIM-RVT	instrument blank	WG1993471	11/5/2024 10:29 am
17	ccvtestn.D	fast-SIM-RVT			11/5/2024 4:39 pm

Analysis log File

Total Files Reported in Log : 13
Log Generated From Directory: I:\8270SIM\SV125\241105nRVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tuneb.D	DFTPP(100ml)	TUNE #11079	WG1994329,,ical	11/5/2024 10:48 am
2	IL10.D	fast-SIM-LVI	IL10,32,,5000.0 ng/ml #	WG1994329,,ical	11/5/2024 11:10 am
3	IL9.D	fast-SIM-LVI	IL9,32,,2500.0 ng/ml #1	WG1994329,,ical	11/5/2024 11:26 am
4	IL8.D	fast-SIM-LVI	IL8,32,,1000.0 ng/ml #1	WG1994329,,ical	11/5/2024 11:42 am
5	IL7.D	fast-SIM-LVI	IL7,32,,500.0 ng/ml #10	WG1994329,,ical	11/5/2024 11:58 am
6	IL6.D	fast-SIM-LVI	IL6,32,,100.0 ng/ml #10	WG1994329,,ical	11/5/2024 12:15 pm
7	IL5.D	fast-SIM-LVI	IL5,32,,40.0 ng/ml #108	WG1994329,,ical	11/5/2024 12:31 pm
8	IL4.D	fast-SIM-LVI	IL4,32,,10.0 ng/ml #108	WG1994329,,ical	11/5/2024 12:47 pm
9	IL3.D	fast-SIM-LVI	IL3,32,,5.0 ng/ml #1089	WG1994329,,ical	11/5/2024 1:03 pm
10	IL2.D	fast-SIM-LVI	IL2,32,,2.0 ng/ml #1090	WG1994329,,ical	11/5/2024 1:20 pm
11	IL1.D	fast-SIM-LVI	IL1,32,,1.0 ng/ml #1089	WG1994329,,ical	11/5/2024 1:36 pm
12	ICV.D	fast-SIM-LVI	CQICV,32,, 1.000 Lot#10	WG1994329,,ical	11/5/2024 1:52 pm
13	insblka.D	fast-SIM-LVI		11/5/2024 2:08 pm	

Printed: 11/07/24 Page: 1

Dep.: GCMS
Inst: SV120
Date: **12/05/24**
Run:

Method
GC: SIM RVT

Seq: WG2005462
ICAL: ICAL21668

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	deg1205	wg-1,32,, dftpp SV120 lot#11169				12/05 JJW
49	ccv1205	wg-3,32,,ICV 10884 (1130)	full list			12/05 JJW
50	blk1205	Instrument Blank				
1	005303-1	WG2005303-1,32,,kmh				12/05 JJW
2	005303-2	WG2005303-2,32,,kmh				12/05 JJW
3	005303-3	WG2005303-3,32,,kmh				12/05 JJW
4	70721-08	L2470721-08,32,,R3C,RE,kmh	RR - program crashed			12/05 JJW
4	0721-08	L2470721-08,32,,R3C,RR,kmh				12/05 JJW
5	005440-2	WG2005440-2,32,,kmh				12/05 JJW
6	005440-3	WG2005440-3,32,,kmh				12/05 JJW
7	005440-1	WG2005440-1,32,,kmh				12/05 JJW
8	71016-02	L2471016-02,32,,R3A,kmh				12/05 JJW
9	70191-05	L2470191-05,32,,RE,kmh				12/05 JJW
10	70120-04	L2470120-04,32,,RE,kmh				12/05 JJW
11	87-02d1	L2469787-02d,32,20,kmh	5x (total 100x) OCAL			12/05 JJW
12	787-02d1	L2469787-02d,32,10,kmh				12/05 JJW
13	005185-2	WG2005185-2,32,,kmh				12/05 JJW
14	005185-3	WG2005185-3,32,,kmh				12/05 JJW
15	005185-1	WG2005185-1,32,,kmh				12/05 JJW
16	787-02d2	L2469787-02d,32,100,kmh	2x (total 200x) OCAL			12/05 JJW
17	70324-01	L2470324-01,32,,kmh				12/05 JJW
18	787-02d3	L2469787-02d,32,200,kmh	RR - low IS			12/05 JJW
19	70324-02	L2470324-02,32,,kmh				12/05 JJW
20	70324-03	L2470324-03,32,,kmh				12/05 JJW
21	70324-15	L2470324-15,32,,kmh				12/05 JJW
22	004889-2	WG2004889-2,32,,kmh				12/05 JJW
23	004889-3	WG2004889-3,32,,kmh				12/05 JJW
24	004889-1	WG2004889-1,32,,kmh				12/05 JJW
25	70289-05	L2470289-05,32,,R3E,kmh				12/05 JJW
26	005303-4	WG2005303-4,32,,kmh				
27	005303-5	WG2005303-5,32,,kmh				
28	53108-52	L2453108-52,32,,kmh				
29	70744-16	L2470744-16,32,,kmh				12/06 DV
30	70744-17	L2470744-17,32,,kmh				12/06 DV
31	70744-18	L2470744-18,32,,kmh				12/06 DV
32	70744-19	L2470744-19,32,,kmh				12/06 DV
33	70744-21	L2470744-21,32,,kmh	RX, FB with hit		kmh	12/06 DV
					SV-JJW	

Dep.: GCMS
Inst: SV125
Date: **12/05/24**
Run:

Method
GC: SIM RVT

Seq: WG2005685
ICAL: 21676

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg1205	wg-1,32,,dftpp SV125 lot #11169				12/05 JJW
49	ccv1205	wg-3,32,,ICV 10884 (1130)				12/05 JJW
50	blank1205	instrument blank				
1	005370-1	WG2005370-1,32,,kmh				12/06 DV
2	005370-2	WG2005370-2,32,,kmh				12/06 DV
3	005370-3	WG2005370-3,32,,kmh				12/06 DV
4	70744-01	L2470744-01,32,,kmh				12/06 DV
5	787-02d1	L2469787-02d,32,200,kmh				12/05 JJW
6	70744-02	L2470744-02,32,,kmh				12/06 DV
7	70744-03	L2470744-03,32,,kmh				12/06 DV
8	70744-04	L2470744-04,32,,kmh				12/06 DV
9	005370-4	WG2005370-4,32,,kmh				12/06 DV
10	005370-5	WG2005370-5,32,,kmh				12/06 DV
11	70744-05	L2470744-05,32,,kmh			kmh/SV·	12/06 DV
12	005482-2	WG2005482-2,32,,jjw				ljg 12/6
13	005482-3	WG2005482-3,32,,jjw				ljg 12/6
14	005482-1	WG2005482-1,32,,jjw				ljg 12/6
15	71094-01	L2471094-01,32,,R3A,jjw				ljg 12/6
16	71094-02	L2471094-02,32,,R3A,jjw				ljg 12/6
17	71094-03	L2471094-03,32,,R3A,jjw				ljg 12/6
18	71094-04	L2471094-04,32,,R3A,jjw				ljg 12/6
19	71094-05	L2471094-05,32,,R3A,jjw				ljg 12/6
20	71094-06	L2471094-06,32,,R3A,jjw				ljg 12/6
21	70744-06	L2470744-06,32,,kmh				12/06 DV
22	70744-07	L2470744-07,32,,kmh				12/06 DV
23	70744-08	L2470744-08,32,,kmh				12/06 DV
24	70744-09	L2470744-09,32,,kmh				12/06 DV
25	70744-10	L2470744-10,32,,kmh	RR - OTT			12/06 RAP
26	70744-11	L2470744-11,32,,kmh	RR - OTT			12/06 RAP
27	70744-12	L2470744-12,32,,kmh	RR - OTT			12/06 RAP
28	70744-13	L2470744-13,32,,kmh	RR - OTT			12/06 RAP
29	70744-14	L2470744-14,32,,kmh	RR - OTT			12/06 RAP
30	70744-15	L2470744-15,32,,kmh	RR - OTT		JJW	12/06 RAP
					SV-RAP	

Dep.: GCMS
Inst: SV125
Date: **12/09/24**
Run: A

Method
GC: SIM RVT

Seq: WG2006821
ICAL: 21676

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg1209a	wg-1,32,,dftpp SV125 lot #11169				12/09 JJW
49	ccv1209a	wg-3,32,,ICV 10884 (1123)				12/09 JJW
49	ccv1209b	wg-3,32,,ICV 10884 (1123)	full list			
50	blank1209a	instrument blank				
1	70744-10	L2470744-10,32,,RR,kmh	RX - LCS outages			12/09 JJW
2	70744-11	L2470744-11,32,,RR,kmh				12/09 JJW
3	70744-12	L2470744-12,32,,RR,kmh				12/09 JJW
4	70744-13	L2470744-13,32,,RR,kmh				12/09 JJW
5	70744-14	L2470744-14,32,,RR,kmh				12/09 JJW
6	70744-15	L2470744-15,32,,RR,kmh				12/09 JJW
7	006681-2	WG2006681-2,32,,kmh				12/10 kmh
8	006681-3	WG2006681-3,32,,kmh				12/10 kmh
9	006681-1	WG2006681-1,32,,kmh				12/10 kmh
10	732-01d1	L2470732-01d,32,20,kmh				12/09 JJW
11	732-01d2	L2470732-01d,32,2,kmh				12/09 JJW
12	71449-01	L2471449-01,32,,kmh			SV-JJW	12/10 JJW
13	71449-02	L2471449-02,32,,kmh				12/10 JJW
14	71449-03	L2471449-03,32,,kmh				12/10 JJW
15	71449-04	L2471449-04,32,,kmh				12/10 JJW
16	71537-04	L2471537-04,32,,RV,kmh	RR - PCP hit in inst blk			12/10 JJW
17	71537-11	L2471537-11,32,,RV,kmh	RR - PCP hit in inst blk			12/10 JJW
18	71449-05	L2471449-05,32,,kmh				12/10 JJW
19	71449-06	L2471449-06,32,,kmh				12/10 JJW
20	006681-4	WG2006681-4,32,,kmh				12/10 JJW
21	006681-5	WG2006681-5,32,,kmh				12/10 JJW
22	71449-07	L2471449-07,32,,kmh				12/10 JJW
23	71449-08	L2471449-08,32,,kmh				12/10 JJW
24	71449-09	L2471449-09,32,,kmh				12/10 JJW
25	71449-10	L2471449-10,32,,kmh				12/10 JJW
26	71449-11	L2471449-11,32,,kmh				12/10 JJW
27	71449-12	L2471449-12,32,,kmh				12/10 JJW
28	71449-13	L2471449-13,32,,kmh			kmh	12/10 JJW
29	71594-01	L2471594-01,32,,jjw	5x PCP OCAL			12/10 JJW
30	71594-02	L2471594-02,32,,jjw	RR - PCP (ICAL)			12/10 JJW
31	71594-03	L2471594-03,32,,jjw	RX - contamination			12/10 JJW
32	71594-04	L2471594-04,32,,jjw				12/10 JJW
33	71594-05	L2471594-05,32,,jjw				12/10 JJW
34	71594-06	L2471594-06,32,,jjw				12/10 JJW
35	71594-08	L2471594-08,32,,jjw	5x PCP OCAL			12/10 JJW
36	71594-09	L2471594-09,32,,jjw				12/10 JJW
37	71594-10	L2471594-10,32,,jjw			JJW	12/10 JJW
					Sv-gmr	

Dep.: GCMS
Inst: SV125
Date: **12/09/24**
Run: A

Method
GC: SIM RVT

Seq: WG2006821
ICAL: 21676

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials

Dep.: GCMS
Inst: SV118
Date: **12/10/24**
Run:

Method
GC: SIM RVT

Seq: WG2007182
ICAL: 21646

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg1210	wg-1,32,,dftpp SV118 lot #11169				
48	deg1210a	wg-1,32,,dftpp SV118 lot #11169				12/10 kmh
49	ccv1210	wg-3,32,,ICV 10884 (1130a)	n-nitro low, 4,6-DNC high			12/10 kmh
50	blank1210	instrument blank				
1	70744-10	L2470744-10,32,,kmh				12/10 kmh
2	006753-2	WG2006753-2,32,,kmh				12/10 RAP
3	006753-3	WG2006753-3,32,,kmh			Sv-hny	12/10 RAP
4	006753-1	WG2006753-1,32,,kmh				12/10 RAP
5	71805-01	L2471805-01,32,,R3A,kmh				12/10 RAP
6	71805-02	L2471805-02,32,,R3A,kmh				12/10 RAP
7	71805-03	L2471805-03,32,,R3A,kmh				12/10 RAP
8	71805-04	L2471805-04,32,,R3A,kmh				12/10 RAP
9	71805-05	L2471805-05,32,,R3A,kmh				12/10 RAP
10	71805-06	L2471805-06,32,,R3A,kmh				12/10 RAP
11	71805-07	L2471805-07,32,,R3A,kmh				12/10 RAP
12	71547-03	L2471547-03,32,,kmh				12/10 RAP
13	71600-01	L2471600-01,32,,kmh				12/11 RAP
14	71600-02	L2471600-02,32,,kmh	5X - Nap OC			12/11 RAP
15	71600-03	L2471600-03,32,,kmh				12/11 RAP
16	71600-04	L2471600-04,32,,kmh	5X - Nap OC			12/11 RAP
17	006894-2	WG2006894-2,32,,kmh			SV-RAP	12/12 kmh
18	006894-3	WG2006894-3,32,,kmh				12/12 kmh
19	006894-1	WG2006894-1,32,,kmh				12/12 kmh
20	71492-02	L2471492-02,32,,kmh				12/12 kmh
21	71492-03	L2471492-03,32,,kmh	5X - M surr interference			12/11 RAP
22	71492-04	L2471492-04,32,,kmh	5X - M surr interference			12/11 RAP
23	71492-06	L2471492-06,32,,kmh				12/12 kmh
24	71492-07	L2471492-07,32,,kmh				12/12 kmh
25	71492-08	L2471492-08,32,,kmh				12/12 kmh
26	71653-01	L2471653-01,32,,kmh				ljg 12/13
27	71653-02	L2471653-02,32,,kmh				ljg 12/13
28	71653-03	L2471653-03,32,,kmh				ljg 12/13
29	71653-04	L2471653-04,32,,kmh	20x/100x OC			ljg 12/13
30	71653-05	L2471653-05,32,,kmh	rr conf			ljg 12/13
31	006753-4	WG2006753-4,32,,kmh				ljg 12/13
32	006753-5	WG2006753-5,32,,kmh				ljg 12/13
33	71849-01	L2471849-01,32,,kmh			kmh	12/12 JJW
34	71206-06	L2471206-06,32,,RV,jjw				12/11 RAP
35	71849-02	L2471849-02,32,,kmh				12/12 JJW
36	71849-03	L2471849-03,32,,kmh				12/12 JJW
37	71849-04	L2471849-04,32,,kmh				12/12 JJW
38	007106-4	WG2007106-4,32,,kmh				
39	007106-5	WG2007106-5,32,,kmh				
40	53108-74	L2453108-74,32,,kmh			JJW	

Dep.: GCMS
Inst: SV118
Date: **12/10/24**
Run:

Method
GC: SIM RVT

Seq: WG2007182
ICAL: 21646

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
					Sv-gmr	

ORGANIC ELN REPORT

Workgroup: WG2006013

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ475
Surrogate Type: ABN **Lot #:** 11164ap,05/20/2025,4c,7,1
Spike Type: ABN-SIM **Lot #:** 11106ag,04/23/2025,4c,10,1, 1
Spike Verify by: JRS
Lims Spikelot: 8270-RVT

Additional Reagents/Stds

H2SO4	A120224
Na2SO4	23K2961078
NaOH	10NNaOH120224

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ507

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
L2470732-01 WATER	12/06/24 08:11	Jackson Subbarao	100	<2,>12	.1		12/06/24 15:49	Katherine Gately	1	K
L2470732-02 WATER	12/06/24 08:11	Jackson Subbarao	100	<2,>12	.1		12/06/24 15:49	Katherine Gately	1	K
L2470732-03 WATER	12/06/24 08:11	Jackson Subbarao	100	<2,>12	.1		12/06/24 15:49	Katherine Gately	1	K
L2470744-21 WATER	12/06/24 13:32	Jackson Subbarao	100	<2,>12	.1		12/06/24 15:52	Katherine Gately	1	K
WG2006013-1 BLANK	12/06/24 08:11	Jackson Subbarao	100	<2,>12	.1		12/06/24 15:49	Katherine Gately	1	K
WG2006013-2 LCS	12/06/24 08:11	Jackson Subbarao	100	<2,>12	.1	.1	12/06/24 15:49	Katherine Gately	1	K
WG2006013-3 LCSD	12/06/24 08:11	Jackson Subbarao	100	<2,>12	.1	.1	12/06/24 15:49	Katherine Gately	1	K

Reported: 18-DEC-24 01:31 PM

ORGANIC ELN REPORT

Workgroup: WG2005370

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN-SIM
Spike Verify by: RSN
Lims Spikelot: 8270-RVT

Lot #: EJ475
Lot #: 11164aq,05/20/2025,
Lot #: 11106ag,04/23/2025,11092ae,0

Additional Reagents/Stds

H2SO4	A120224
Na2SO4	23K2961078
NaOH	10NNaOH120224

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EH515

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
L2470744-01 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-02 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K
L2470744-03 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-04 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K
L2470744-05 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-06 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-07 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K

Reported: 18-DEC-24 01:31 PM

ORGANIC ELN REPORT

Workgroup: WG2005370

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
L2470744-08 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-09 WATER	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K
L2470744-10	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K
L2470744-11 WATER	12/04/24 21:35	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K
L2470744-12 WATER	12/04/24 21:35	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K
L2470744-13 WATER	12/04/24 21:35	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-14 WATER	12/04/24 21:35	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-15 WATER	12/04/24 21:35	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-16 WATER	12/04/24 21:35	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-17 WATER	12/04/24 21:35	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K

Reported: 18-DEC-24 01:31 PM

ORGANIC ELN REPORT

Workgroup: WG2005370

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
L2470744-18 WATER	12/04/24 21:35	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-19 WATER	12/04/24 21:35	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
L2470744-21	12/04/24 21:35	Richard Nyarko	100	<2,>12	.1		12/05/24 08:59	Katherine Gately	1	K
WG2005370-1 BLANK	12/04/24 21:24 **WG2005369**	Richard Nyarko	100	<2,>12	.1		12/05/24 08:39	Katherine Gately	1	K
WG2005370-2 LCS	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1	.1	12/05/24 08:39	Katherine Gately	1	K
WG2005370-3 LCSD	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1	.1	12/05/24 08:39	Katherine Gately	1	K
WG2005370-4 MS	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1	.1	12/05/24 08:39	Katherine Gately	1	K
WG2005370-5 MSD	12/04/24 21:24	Richard Nyarko	100	<2,>12	.1	.1	12/05/24 08:39	Katherine Gately	1	K

ORGANIC ELN REPORT

Workgroup: WG2006681

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN-SIM
Spike Verify by: ARP
Lims Spikelot: 8270-RVT

Lot #: EJ507
Lot #: 11164-AW[05/20/25]
Lot #: 11106-AJ[04/23/25]; 11092-AC

Additional Reagents/Stds

H2SO4	A100324
Na2SO4	23K2961078
NaOH	10NNaOH111224

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ507

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
L2470744-10 WATER	12/09/24 13:46	Zachary Helin	100	<2, >12	.1		12/09/24 14:47	Grace Tran	1	K
L2471449-01 SAMP	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1		12/09/24 08:08	Grace Tran	1	K
L2471449-02 SAMP	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1		12/09/24 08:08	Grace Tran	1	K
L2471449-03 SAMP	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1		12/09/24 08:08	Grace Tran	1	K
L2471449-04 SAMP	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1		12/09/24 08:08	Grace Tran	1	K
L2471449-05 SAMP	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1		12/09/24 08:08	Grace Tran	1	K
L2471449-06 SAMP	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1		12/09/24 08:08	Grace Tran	1	K

Reported: 18-DEC-24 01:31 PM

ORGANIC ELN REPORT

Workgroup: WG2006681

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
L2471449-07 SAMP	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1		12/09/24 08:08	Grace Tran	1	K
L2471449-08 SAMP	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1		12/09/24 08:08	Grace Tran	1	K
L2471449-09 SAMP	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1		12/09/24 08:08	Grace Tran	1	K
L2471449-10 SAMP	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1		12/09/24 08:08	Grace Tran	1	K
L2471449-11 SAMP	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1		12/09/24 08:08	Grace Tran	1	K
L2471449-12 SAMP	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1		12/09/24 08:08	Grace Tran	1	K
L2471449-13 SAMP	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1		12/09/24 08:08	Grace Tran	1	K
L2471547-03 WATER	12/09/24 07:41	Zachary Helin	100	<2, >12	.1		12/09/24 11:40	Grace Tran	1	K
L2471600-01 SAMP	12/09/24 07:41	Zachary Helin	100	<2, >12	.1		12/09/24 11:40	Grace Tran	1	K
L2471600-02 SAMP	12/09/24 07:41	Zachary Helin	100	<2, >12	.1		12/09/24 11:40	Grace Tran	1	K

Reported: 18-DEC-24 01:31 PM

ORGANIC ELN REPORT

Workgroup: WG2006681

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
L2471600-03 SAMP	12/09/24 07:41	Zachary Helin	100	<2, >12	.1		12/09/24 11:40	Grace Tran	1	K
L2471600-04 SAMP	12/09/24 07:41	Zachary Helin	100	<2, >12	.1		12/09/24 11:40	Grace Tran	1	K
WG2006681-1 BLANK	12/09/24 02:56 **WG2006680**	Amanda Patterson	100	<2, >12	.1		12/09/24 08:08	Grace Tran	1	K
WG2006681-2 LCS	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1	.1	12/09/24 08:08	Grace Tran	1	K
WG2006681-3 LCSD	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1	.1	12/09/24 08:08	Grace Tran	1	K
WG2006681-4 MS	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1	.1	12/09/24 08:08	Grace Tran	1	K
WG2006681-5 MSD	12/09/24 02:56	Amanda Patterson	100	<2, >12	.1	.1	12/09/24 08:08	Grace Tran	1	K

GCMS Extractables 1,4-Dioxane By SIM

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2470744
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	TOT OUT
6A (L2470744-09)	53	--	--	--	--	--	0
8A (L2470744-13)	54	--	--	--	--	--	0
10A (L2470744-17)	51	--	--	--	--	--	0
WG2005784-1BLANK	56	--	--	--	--	--	0
WG2005784-2LCS	53	--	--	--	--	--	0
WG2005784-3LCSD	53	--	--	--	--	--	0

QC LIMITS
(15-110) S1 = 1,4-DIOXANE-D8

*** Values outside of QC limits**

FORM II A2-1,4-DIOXANE-SIM

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2005784-2 **Analysis Date** : 12/06/24 09:32	**File ID**	: F512062404
LCSD Sample ID	: WG2005784-3 **Analysis Date** : 12/06/24 09:53	**File ID**	: F512062405

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
1,4-Dioxane	5000	5960	119	5000	6030	120	1	40-140	30

Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2005784-1	**Lab File ID**	: F512062403
Instrument ID	: PAH5	**Extraction Date**	: 12/05/24
Matrix	: WATER	**Analysis Date**	: 12/06/24 09:12
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2005784-2LCS	WG2005784-2	12/06/24 09:32
WG2005784-3LCSD	WG2005784-3	12/06/24 09:53
6A	L2470744-09	12/06/24 10:14
8A	L2470744-13	12/06/24 10:35
10A	L2470744-17	12/06/24 10:55

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: PAH5	**Analysis Date**	: 12/02/24 13:55
Tune Standard	: R1906840-1	**Tune File ID**	: F512022401_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	33.2
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0 (0)1
127	10.0 - 80.0% of Base Peak	51.5
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	27.4
365	Greater than 1.0% of mass 198	2.7
441	Present, but less than 24% of mass 442	16.1
442	Base Peak, or >50% of mass 198	76.6
443	15.0 - 24.0% of mass 442	14.3 (18.6)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
STD 10	R1906840-2	F512022402	12/02/24 14:45
STD 50	R1906840-3	F512022403	12/02/24 15:15
STD 100	R1906840-4	F512022404	12/02/24 15:46
STD 500	R1906840-5	F512022405	12/02/24 16:16
STD 1000	R1906840-6	F512022406	12/02/24 16:45
STD 5000	R1906840-8	F512022407	12/02/24 17:15
STD 10000	R1906840-7	F512022408	12/02/24 17:44
ICV QUANT REPORT	R1906840-9	F512022409	12/02/24 18:14

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: PAH5	**Analysis Date**	: 12/06/24 08:07
Tune Standard	: WG2006059-1	**Tune File ID**	: F512062401_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.3
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0 (.1)1
127	10.0 - 80.0% of Base Peak	50.5
197	Less than 2.0% of mass 198	0.1
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	28.7
365	Greater than 1.0% of mass 198	3.5
441	Present, but less than 24% of mass 442	16.6
442	Base Peak, or >50% of mass 198	84.5
443	15.0 - 24.0% of mass 442	16.1 (19.1)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
WG2006059-2CCAL	WG2006059-2	F512062402	12/06/24 08:40
WG2005784-1BLANK	WG2005784-1	F512062403	12/06/24 09:12
WG2005784-2LCS	WG2005784-2	F512062404	12/06/24 09:32
WG2005784-3LCSD	WG2005784-3	F512062405	12/06/24 09:53
6A	L2470744-09	F512062406	12/06/24 10:14
8A	L2470744-13	F512062407	12/06/24 10:35
10A	L2470744-17	F512062408	12/06/24 10:55

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: PAH5	**Analysis Date**	: 12/06/24 08:40:00
Sample No	: WG2006059-2	**Lab File ID**	: F512062402

	1,4-Dichlorobenzene-d4					
	Area	RT	Area	RT	Area	RT
WG2006059-2	16994	7.91				
Upper Limit	33988	8.41				
Lower Limit	8497	7.41				
Sample ID						
WG2005784-1 BLANK	12119	7.93				
WG2005784-2 LCS	12142	7.92				
WG2005784-3 LCSD	12006	7.92				
6A	12126	7.92				
8A	12334	7.92				
10A	12532	7.92				

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: 03/21/22
Created By: Jason Hebert
File: PM12115-1
Page: 1

1,4 Dioxane via EPA 8270D-SIM (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 250ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dioxane	123-91-1	150	33.9	ng/l	40-140	30	40-140	30	30			
1,4-Dioxane-d8	*17647-74-4*									*15-110*		
1,4-Dioxane-d8 (IS)	17647-74-4			ng/l								

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: 03/21/22
Created By: Jason Hebert
File: PM12118-1
Page: 1

1,4 Dioxane via EPA 8270D-SIM (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dioxane	123-91-1	8	2.04	ug/kg	40-140	30	40-140	30	30			
1,4-Dioxane-d8	*17647-74-4*									*15-110*		
1,4-Dioxane-d8 (IS)	17647-74-4			ug/kg								

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.

Semivolatile Sample Data

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-09	**Date Collected**	: 12/02/24 14:20
Client ID	: 6A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 10:14
Sample Matrix	: WATER	**Date Extracted**	: 12/05/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F512062406	**Analyst**	: GRS
Sample Amount	: 280 ml	**Instrument ID**	: PAH5
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	134	30.3	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-13	**Date Collected**	: 12/03/24 13:25
Client ID	: 8A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 10:35
Sample Matrix	: WATER	**Date Extracted**	: 12/05/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F512062407	**Analyst**	: GRS
Sample Amount	: 270 ml	**Instrument ID**	: PAH5
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	139	31.4	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2470744-17	**Date Collected**	: 12/03/24 11:40
Client ID	: 10A	**Date Received**	: 12/03/24
Sample Location	: MIDDLE ISLAND	**Date Analyzed**	: 12/06/24 10:55
Sample Matrix	: WATER	**Date Extracted**	: 12/05/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F512062408	**Analyst**	: GRS
Sample Amount	: 270 ml	**Instrument ID**	: PAH5
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	139	31.4	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: P. W. Grosser	**Lab Number**	: L2470744
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2005784-1	**Date Collected**	: NA
Client ID	: WG2005784-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/06/24 09:12
Sample Matrix	: WATER	**Date Extracted**	: 12/05/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F512062403	**Analyst**	: GRS
Sample Amount	: 250 ml	**Instrument ID**	: PAH5
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	150	33.9	U

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062406.D
Acq On : 6 Dec 2024 10:14 am
Operator : PAH5:GRS
Sample : L2470744-09,32,,
Misc : WG2006059,WG2005784,ICAL21746
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 09:15:51 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:31 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.751	64	1655	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.916	152	12126	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.751	64	1655	265.751	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 53.15%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

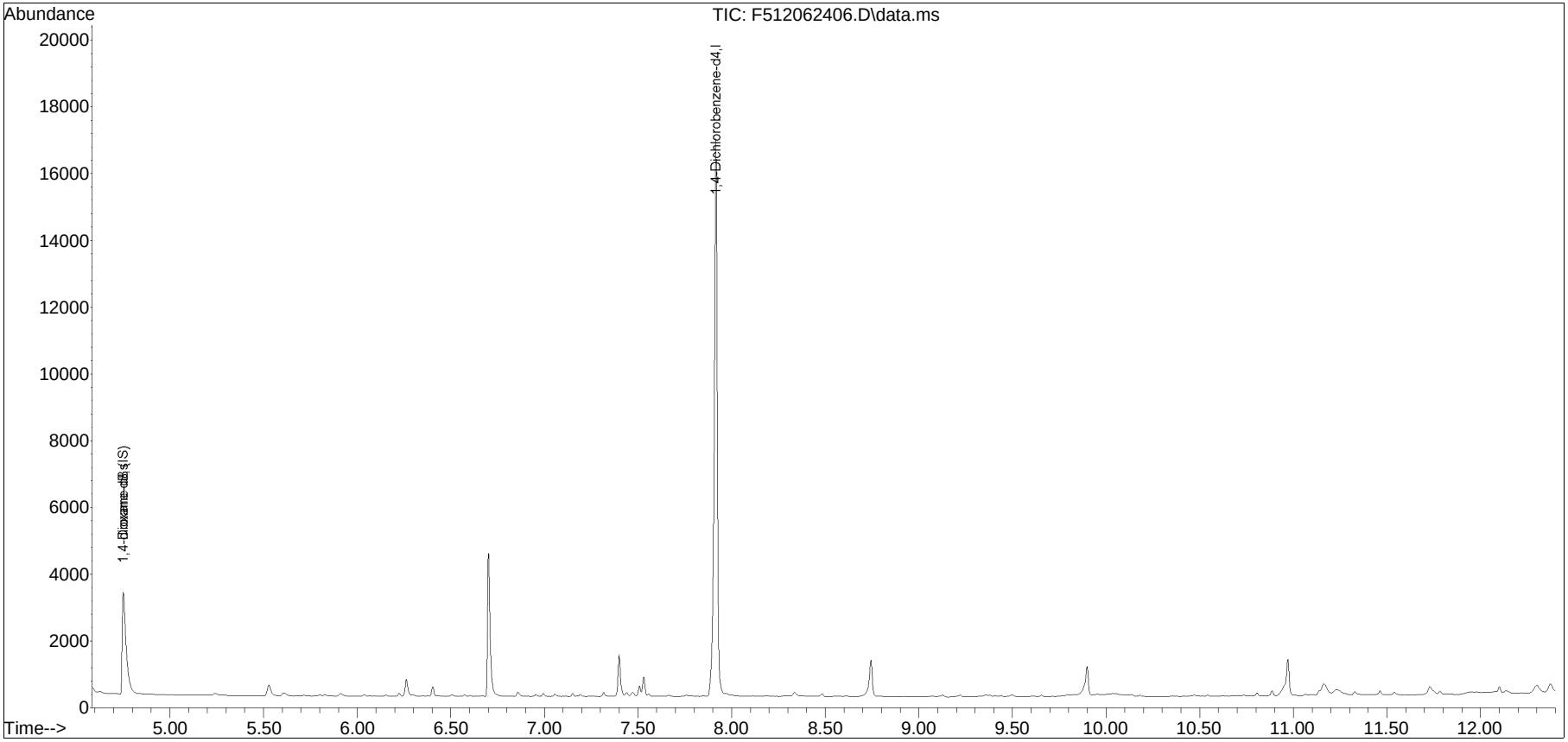
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062406.D
Acq On : 6 Dec 2024 10:14 am
Operator : PAH5:GRS
Sample : L2470744-09,32,,
Misc : WG2006059,WG2005784,ICAL21746
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 09:15:51 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:31 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH5\2Q	Method	: 14DIOX1202PAH5.M
Data File	: F512062406.D	Operator	: PAH5:GRS
Date Inj'd	: 12/6/2024 10:14 am	Instrument	: PAH 5
Sample	: L2470744-09,32,,	Quant Date	: 12/9/2024 9:15 am

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

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062407.D
Acq On : 6 Dec 2024 10:35 am
Operator : PAH5:GRS
Sample : L2470744-13,32,,
Misc : WG2006059,WG2005784,ICAL21746
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 09 09:15:53 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:31 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.750	64	1708	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.919	152	12334	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.750	64	1708	269.636	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 53.93%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

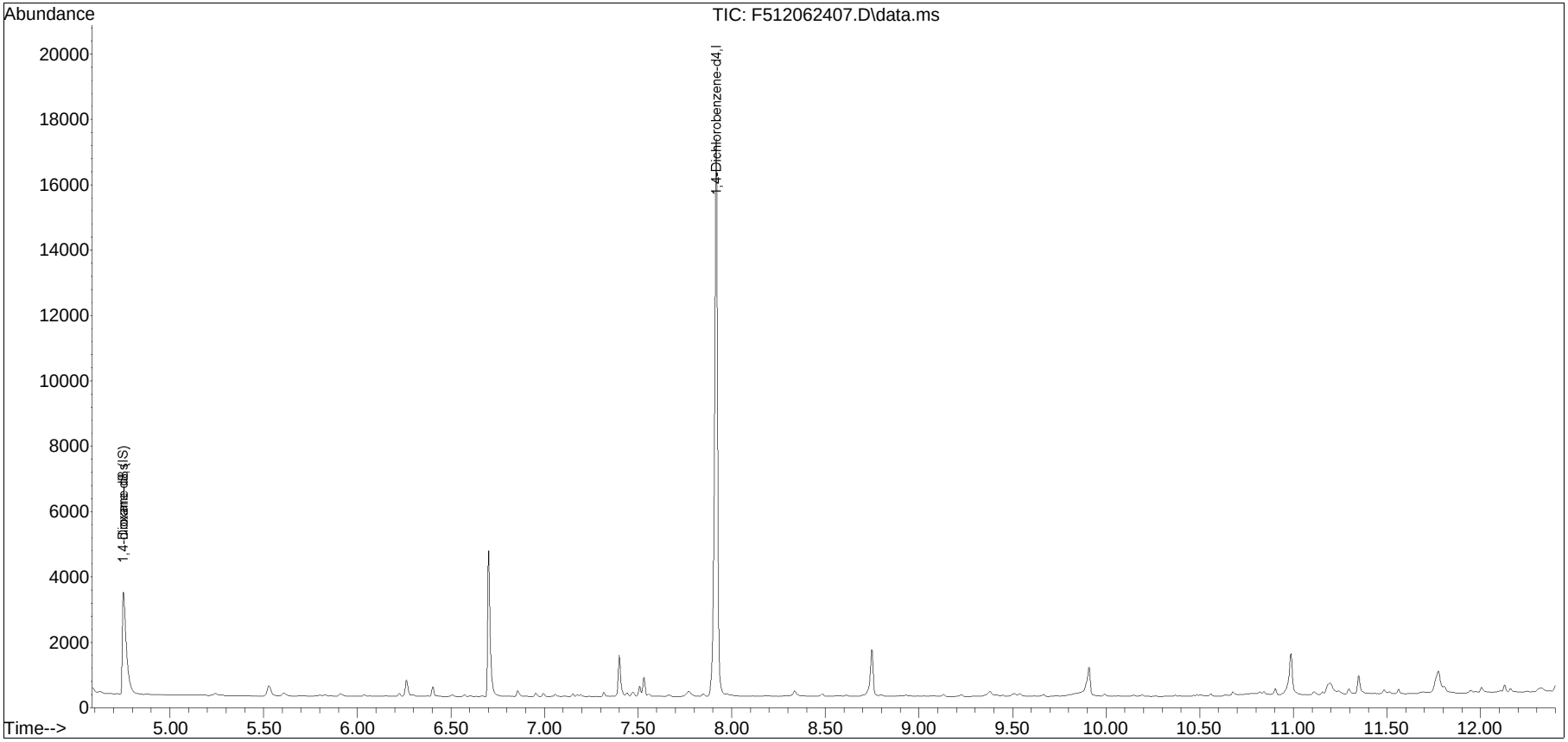
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062407.D
Acq On : 6 Dec 2024 10:35 am
Operator : PAH5:GRS
Sample : L2470744-13,32,,
Misc : WG2006059,WG2005784,ICAL21746
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 09 09:15:53 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:31 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH5\2Q	Method	: 14DIOX1202PAH5.M
Data File	: F512062407.D	Operator	: PAH5:GRS
Date Inj'd	: 12/6/2024 10:35 am	Instrument	: PAH 5
Sample	: L2470744-13,32,,	Quant Date	: 12/9/2024 9:15 am

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

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062408.D
Acq On : 6 Dec 2024 10:55 am
Operator : PAH5:GRS
Sample : L2470744-17,32,,
Misc : WG2006059,WG2005784,ICAL21746
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 09 09:15:55 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:31 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.753	64	1629	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.919	152	12532	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.753	64	1629	253.102	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 50.62%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

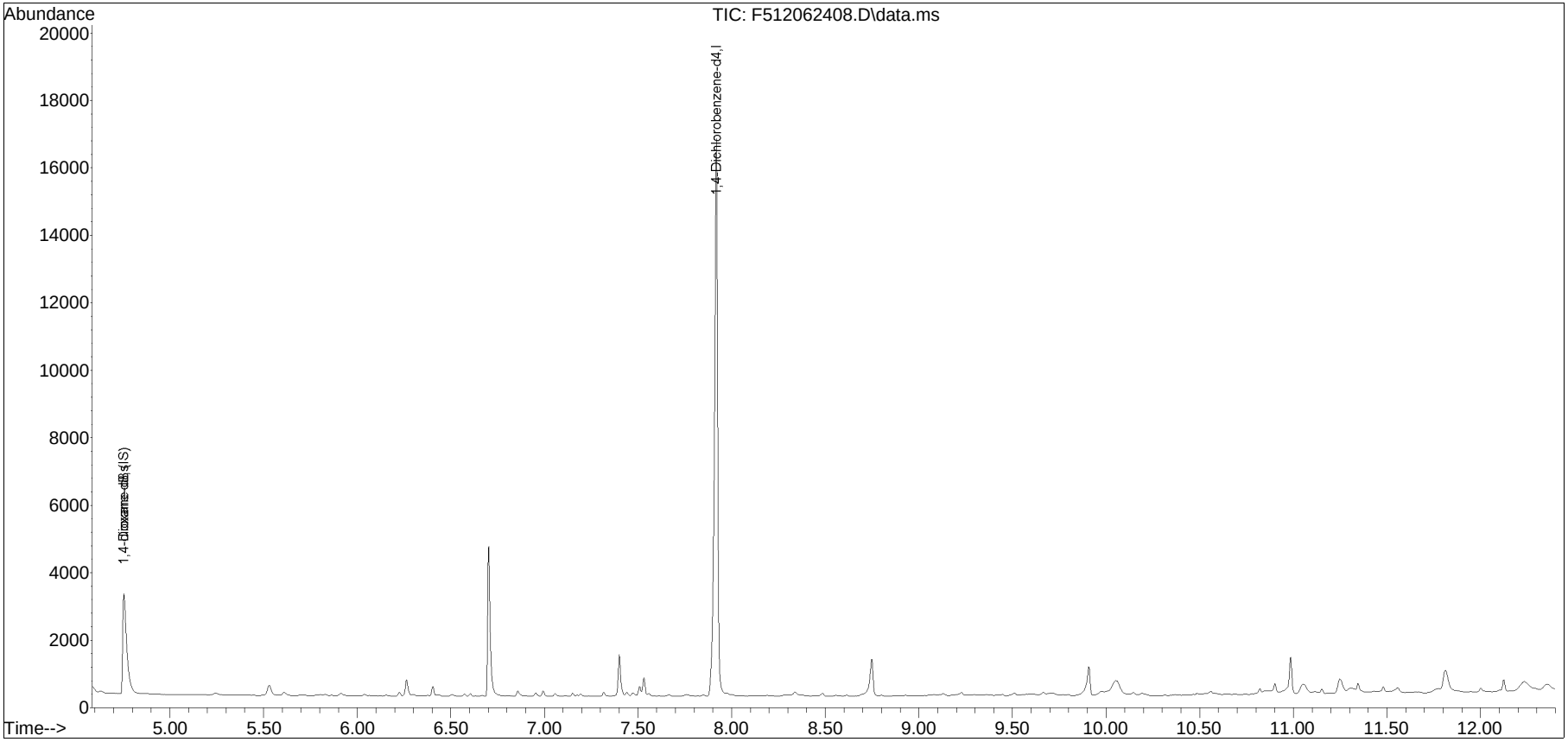
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062408.D
Acq On : 6 Dec 2024 10:55 am
Operator : PAH5:GRS
Sample : L2470744-17,32,,
Misc : WG2006059,WG2005784,ICAL21746
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 09 09:15:55 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:31 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH5\2Q	Method	: 14DIOX1202PAH5.M
Data File	: F512062408.D	Operator	: PAH5:GRS
Date Inj'd	: 12/6/2024 10:55 am	Instrument	: PAH 5
Sample	: L2470744-17,32,,	Quant Date	: 12/9/2024 9:15 am

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

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2470744**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PAH5**	**Ical Ref**	**: ICAL21746**
Calibration dates	**: 12/02/24 14:45 12/02/24 17:44**		

Calibration Files
10 =F512022402.D 50 =F512022403.D 100 =F512022404.D 500 =F512022405.D 1000=F512022406.D
5000=F512022407.D 1e04=F512022408.D

	Compound	10	50	100	500	1000	5000	1e04	Avg	%RSD
1)	1,4-Dioxane-d8 (IS)	----------ISTD----------								
2)	1,4-dioxane	1.727	1.554	1.574	1.477	1.615	1.538	1.443	1.561	5.97
3) I	1,4-Dichlorobenzene-d4	----------ISTD----------								
4) s	1,4-dioxane-d8	0.260	0.254	0.255	0.266	0.249	0.251	0.262	0.257	2.45

Response Factor Report PAH 5

Method Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Method File : 14DIOX1202PAH5.M
Title : Semivolatiles by GC/MS
Last Update : Tue Dec 03 09:59:46 2024
Response Via : Initial Calibration

Calibration Files
10 =F512022402.D 50 =F512022403.D 100 =F512022404.D 500 =F512022405.D 1000=F512022406.D
5000=F512022407.D 1e04=F512022408.D

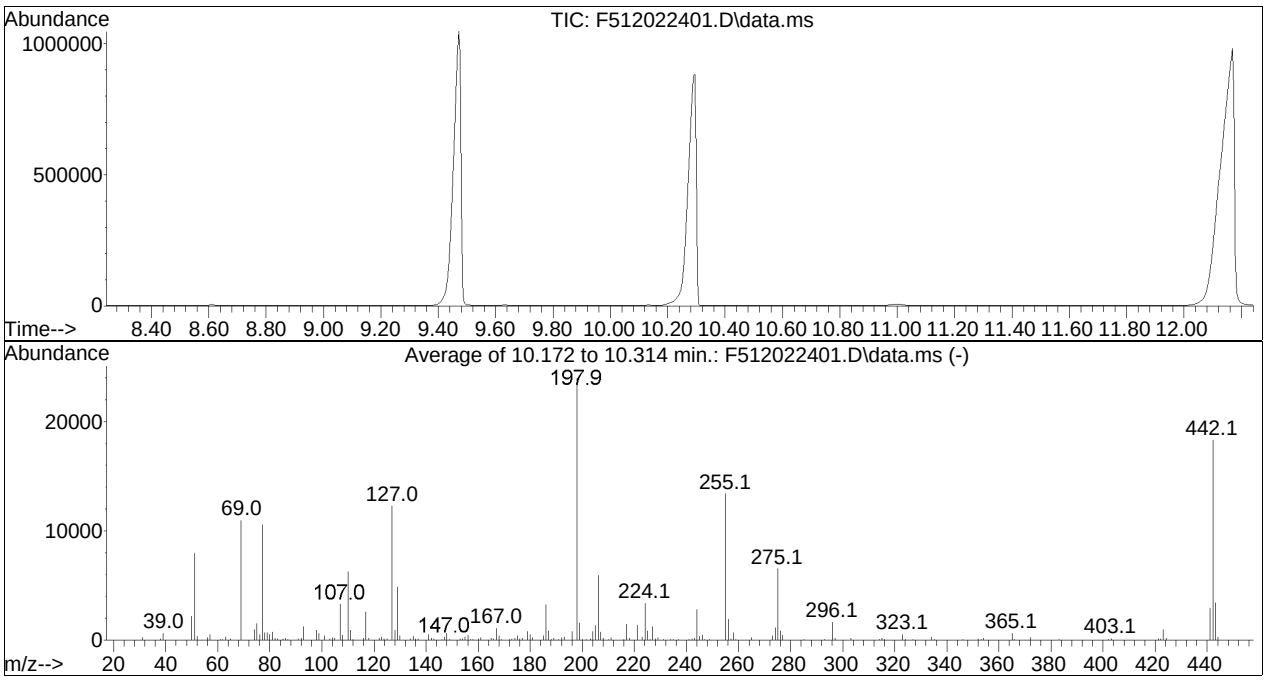
	Compound	10	50	100	500	1000	5000	1e04	Avg	%RSD
1)	1,4-Dioxane-d8 (IS)	ISTD								
2)	1,4-dioxane	1.727	1.554	1.574	1.477	1.615	1.538	1.443	1.561	5.97
3) I	1,4-Dichlorobenzene-d4	ISTD								
4) s	1,4-dioxane-d8	0.260	0.254	0.255	0.266	0.249	0.251	0.262	0.257	2.45

(#) = Out of Range

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022401.D
Acq On : 2 Dec 2024 1:55 pm
Operator : PAH5:CSP
Sample : T512022401
Misc : WG2004524,MSBV35
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Title : Semivolatiles by GC/MS
Last Update : Tue Dec 03 09:59:46 2024



Spectrum Information: Average of 10.172 to 10.314 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.2	7949	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	51.5	12315	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	23933	PASS
199	198	5	9	6.7	1598	PASS
275	198	10	60	27.4	6562	PASS
365	198	1	100	2.7	647	PASS
441	442	0.01	24	16.1	2948	PASS
442	198	50	100	76.6	18328	PASS
443	442	15	24	18.6	3413	PASS

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022402.D
Acq On : 2 Dec 2024 2:45 pm
Operator : PAH5:CSP
Sample : I512022401
Misc : WG2004524,MSBV28
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 03 10:00:10 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.709	64	3127	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.949	152	12017	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.709	64	3127	506.671	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 101.33%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.806	88	108M2	11.062	ng/mL	

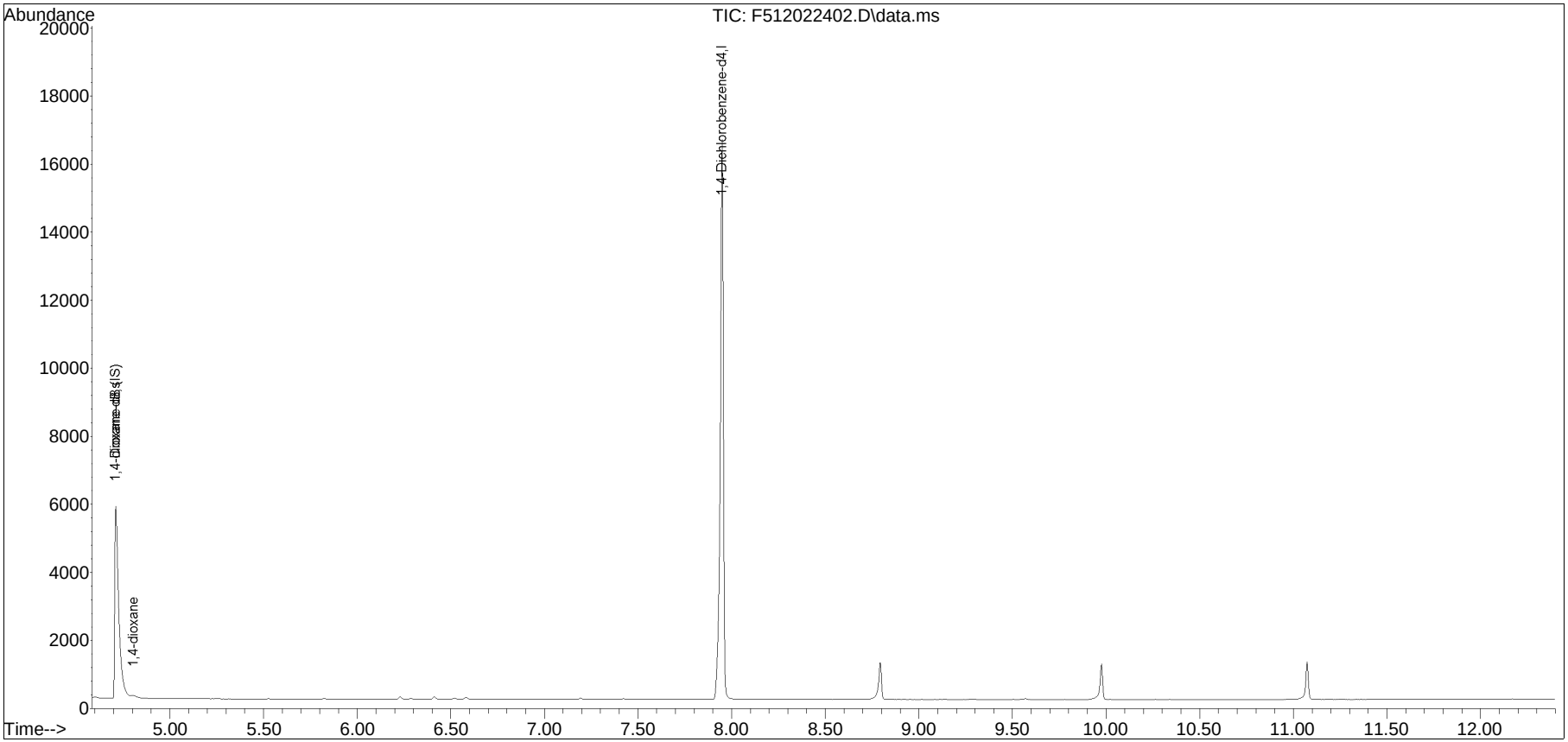
(#) = qualifier out of range (m) = manual integration (+) = signals summed

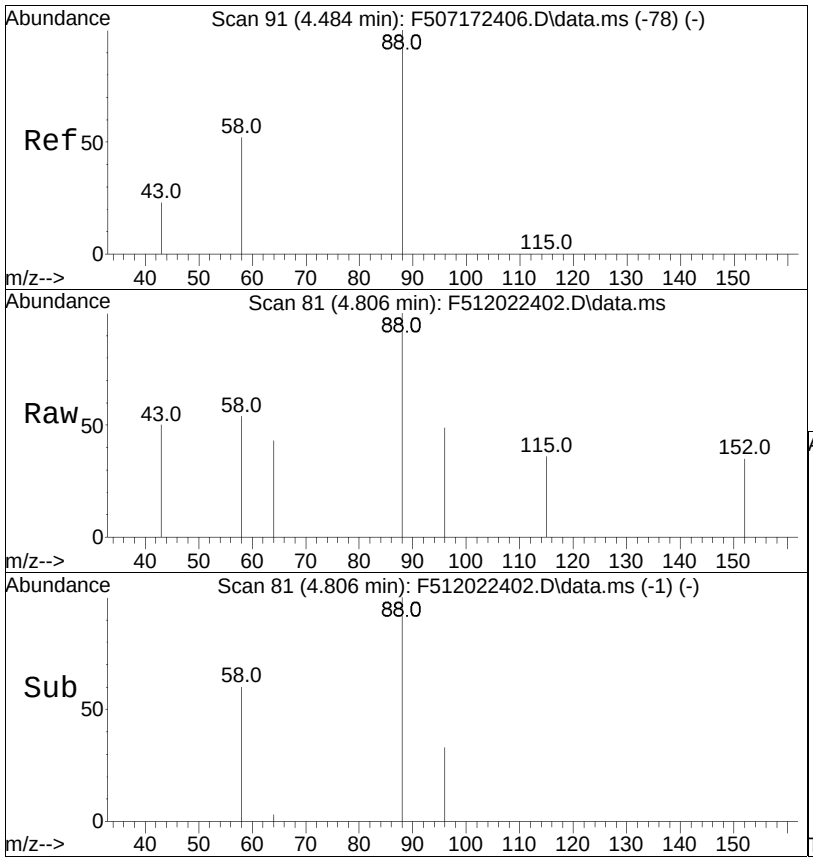
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022402.D
Acq On : 2 Dec 2024 2:45 pm
Operator : PAH5:CSP
Sample : I512022401
Misc : WG2004524,MSBV28
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 03 10:00:10 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

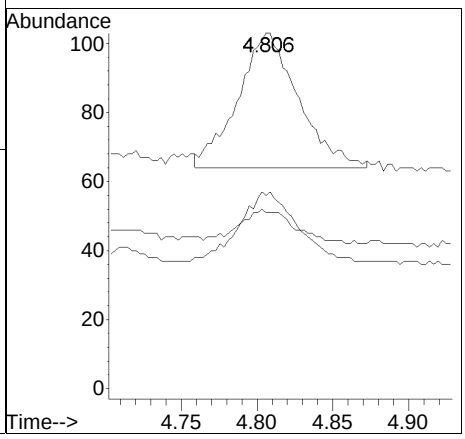




#2
1,4-dioxane
Concen: 11.06 ng/mL M2
RT: 4.806 min Scan# 81
Delta R.T. 0.044 min
Lab File: F512022402.D
Acq: 2 Dec 2024 2:45 pm

Tgt Ion: 88 Resp: 108

Ion	Ratio	Lower	Upper
88	100		
58	0.0	42.8	64.2#
43	0.0	18.6	28.0#

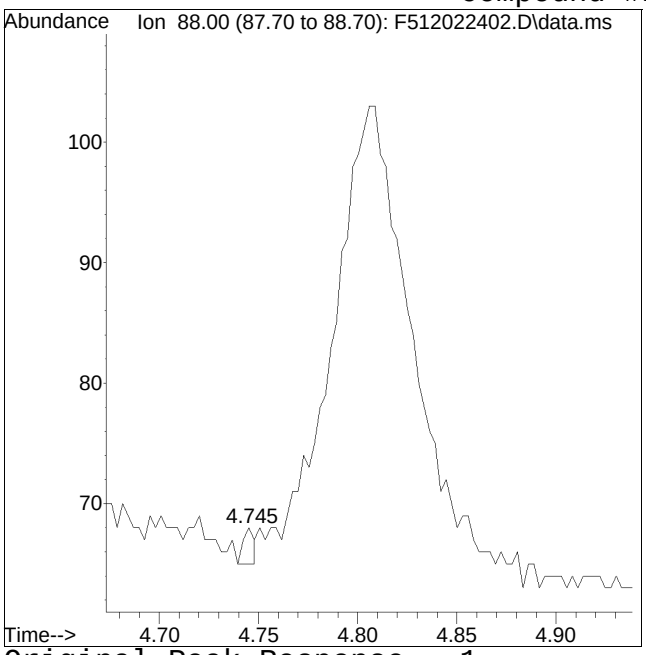


Manual Integration/Negative Proof Report

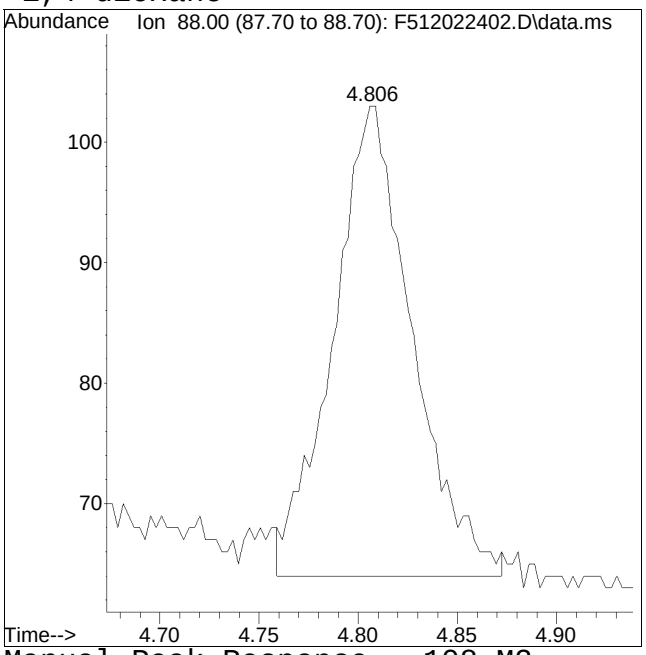
Data Path : S:\Organics-NEW\DATA\PAH5\2Q
Data File : F512022402.D
Date Inj'd : 12/2/2024 2:45 pm
Sample : I512022401

Method : 14DIOX1202PAH5.M
Operator : PAH5:CSP
Instrument : PAH 5
Quant Date : 12/3/2024 10:00 am

Compound #2: 1,4-dioxane



Original Peak Response = 1



Manual Peak Response = 108 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022403.D
Acq On : 2 Dec 2024 3:15 pm
Operator : PAH5:CSP
Sample : I512022402
Misc : WG2004524,MSBV29
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 03 10:00:13 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.717	64	3030	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.949	152	11927	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.717	64	3030	494.659	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 98.93%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.795	88	471	49.787	ng/mL	98

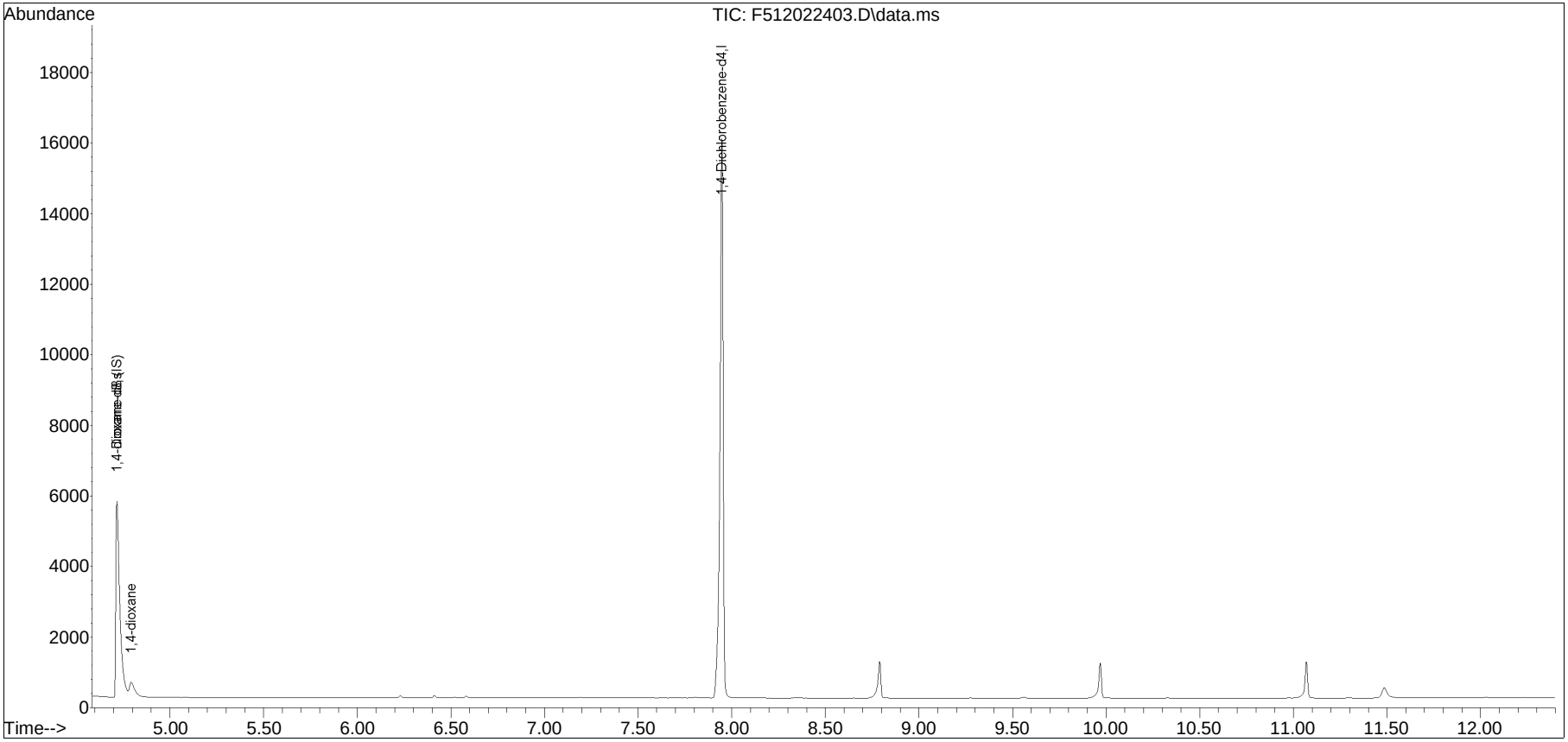
(#) = qualifier out of range (m) = manual integration (+) = signals summed

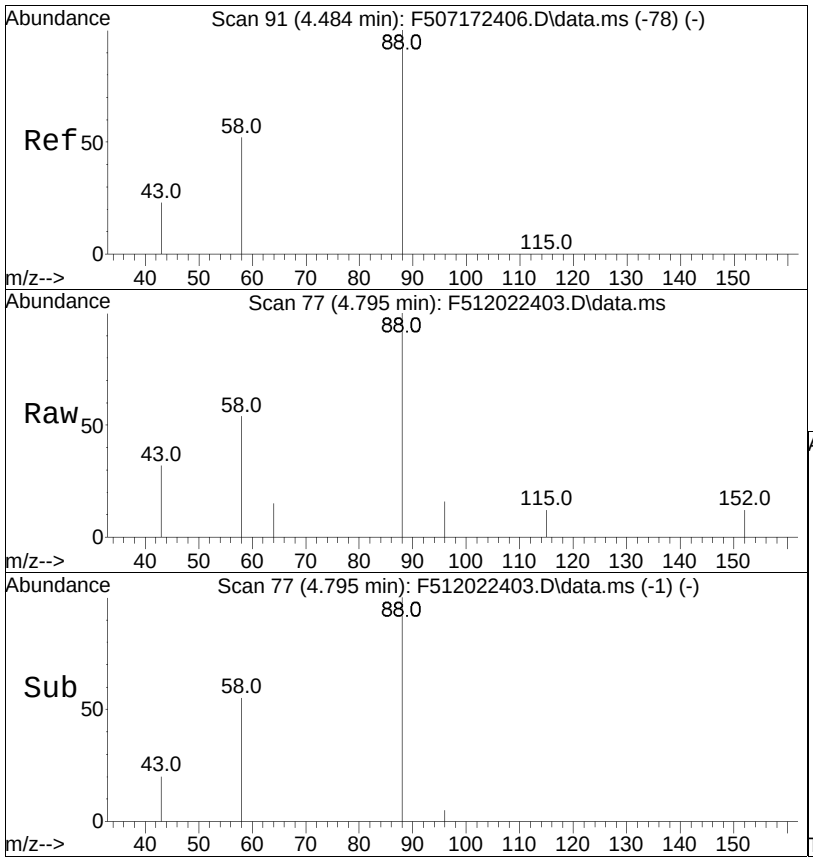
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022403.D
Acq On : 2 Dec 2024 3:15 pm
Operator : PAH5:CSP
Sample : I512022402
Misc : WG2004524,MSBV29
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 03 10:00:13 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

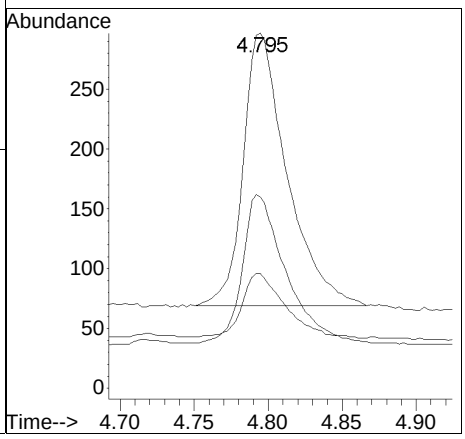




#2
1,4-dioxane
Concen: 49.79 ng/mL
RT: 4.795 min Scan# 77
Delta R.T. 0.033 min
Lab File: F512022403.D
Acq: 2 Dec 2024 3:15 pm

Tgt Ion: 88 Resp: 471

Ion	Ratio	Lower	Upper
88	100		
58	53.3	42.8	64.2
43	21.0	18.6	28.0



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH5\2	QMethod	: 14DIOX1202PAH5.M
Data File	: F512022403.D	Operator	: PAH5:CSP
Date Inj'd	: 12/2/2024 3:15 pm	Instrument	: PAH 5
Sample	: I512022402	Quant Date	: 12/3/2024 10:00 am

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

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022404.D
Acq On : 2 Dec 2024 3:46 pm
Operator : PAH5:CSP
Sample : I512022403
Misc : WG2004524,MSBV30
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 03 10:00:15 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.706	64	2967	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.949	152	11637	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.706	64	2967	496.445	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 99.29%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.775	88	934	100.825	ng/mL	99

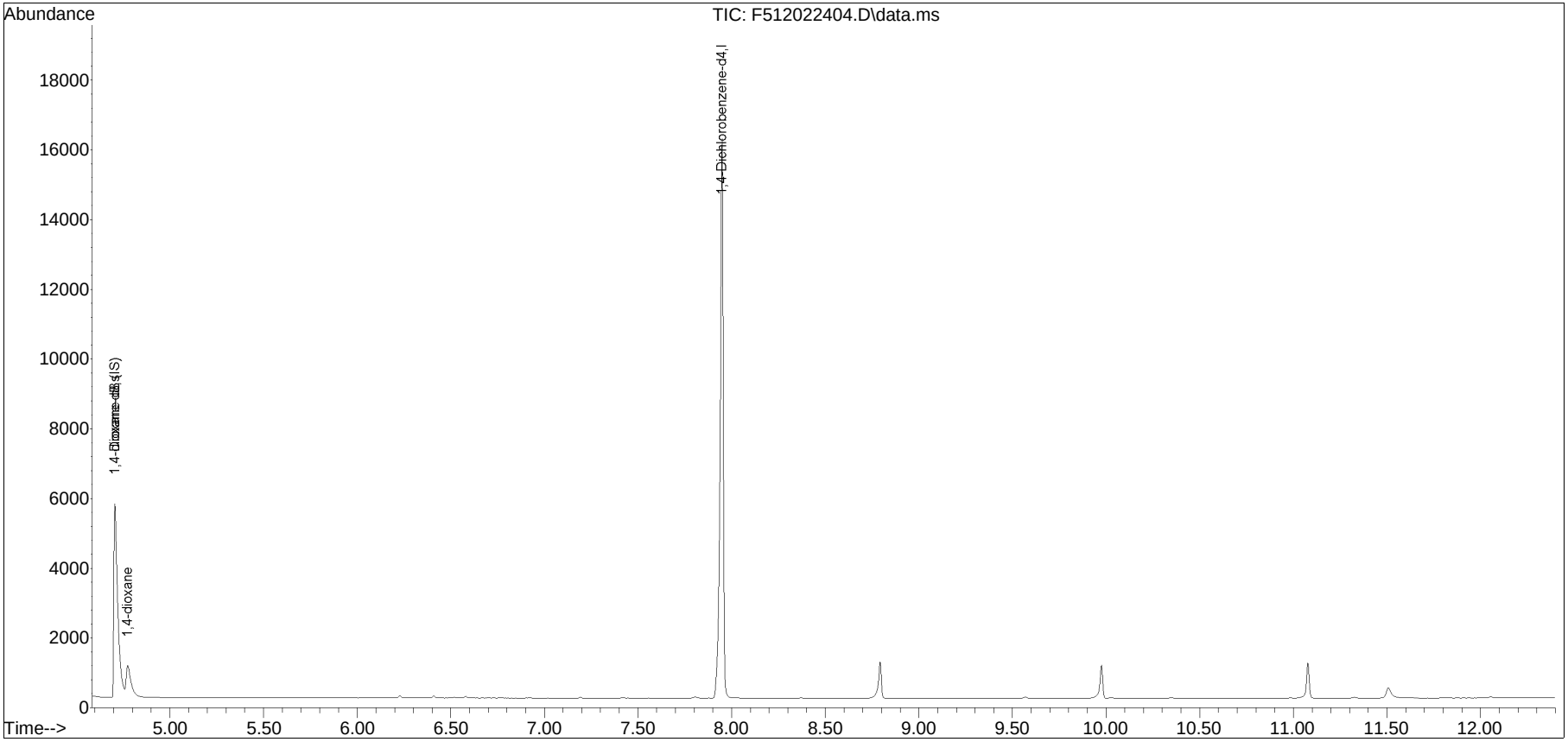
(#) = qualifier out of range (m) = manual integration (+) = signals summed

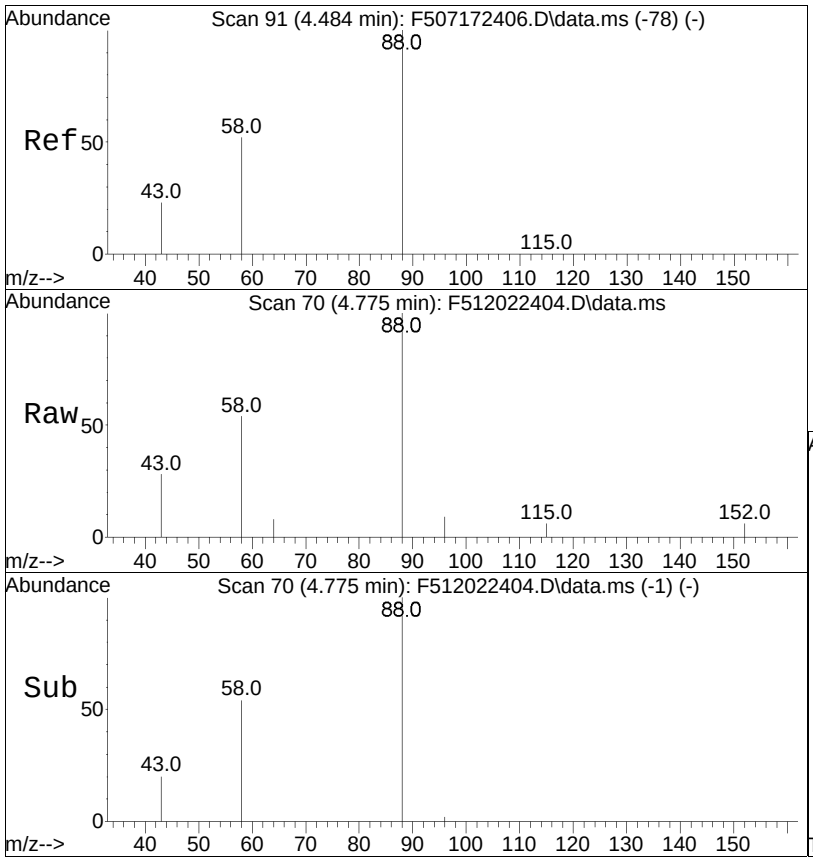
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022404.D
Acq On : 2 Dec 2024 3:46 pm
Operator : PAH5:CSP
Sample : I512022403
Misc : WG2004524,MSBV30
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 03 10:00:15 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

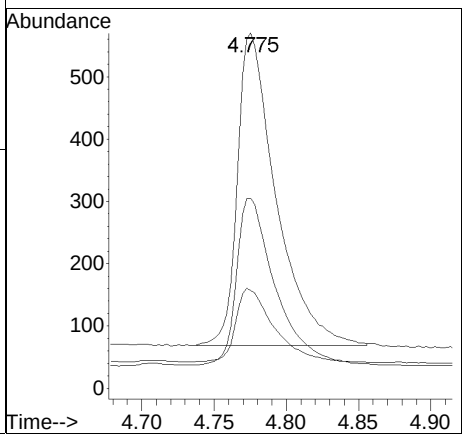




#2
1,4-dioxane
Concen: 100.83 ng/mL
RT: 4.775 min Scan# 70
Delta R.T. 0.014 min
Lab File: F512022404.D
Acq: 2 Dec 2024 3:46 pm

Tgt Ion: 88 Resp: 934

Ion	Ratio	Lower	Upper
88	100		
58	53.2	42.8	64.2
43	22.2	18.6	28.0



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH5\2	QMethod	: 14DIOX1202PAH5.M
Data File	: F512022404.D	Operator	: PAH5:CSP
Date Inj'd	: 12/2/2024 3:46 pm	Instrument	: PAH 5
Sample	: I512022403	Quant Date	: 12/3/2024 10:00 am

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

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022405.D
Acq On : 2 Dec 2024 4:16 pm
Operator : PAH5:CSP
Sample : I512022404
Misc : WG2004524,MSBV31
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 03 10:00:17 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.717	64	3189	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.949	152	11971	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.717	64	3189	518.703	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 103.74%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.770	88	4709	472.949	ng/mL	100

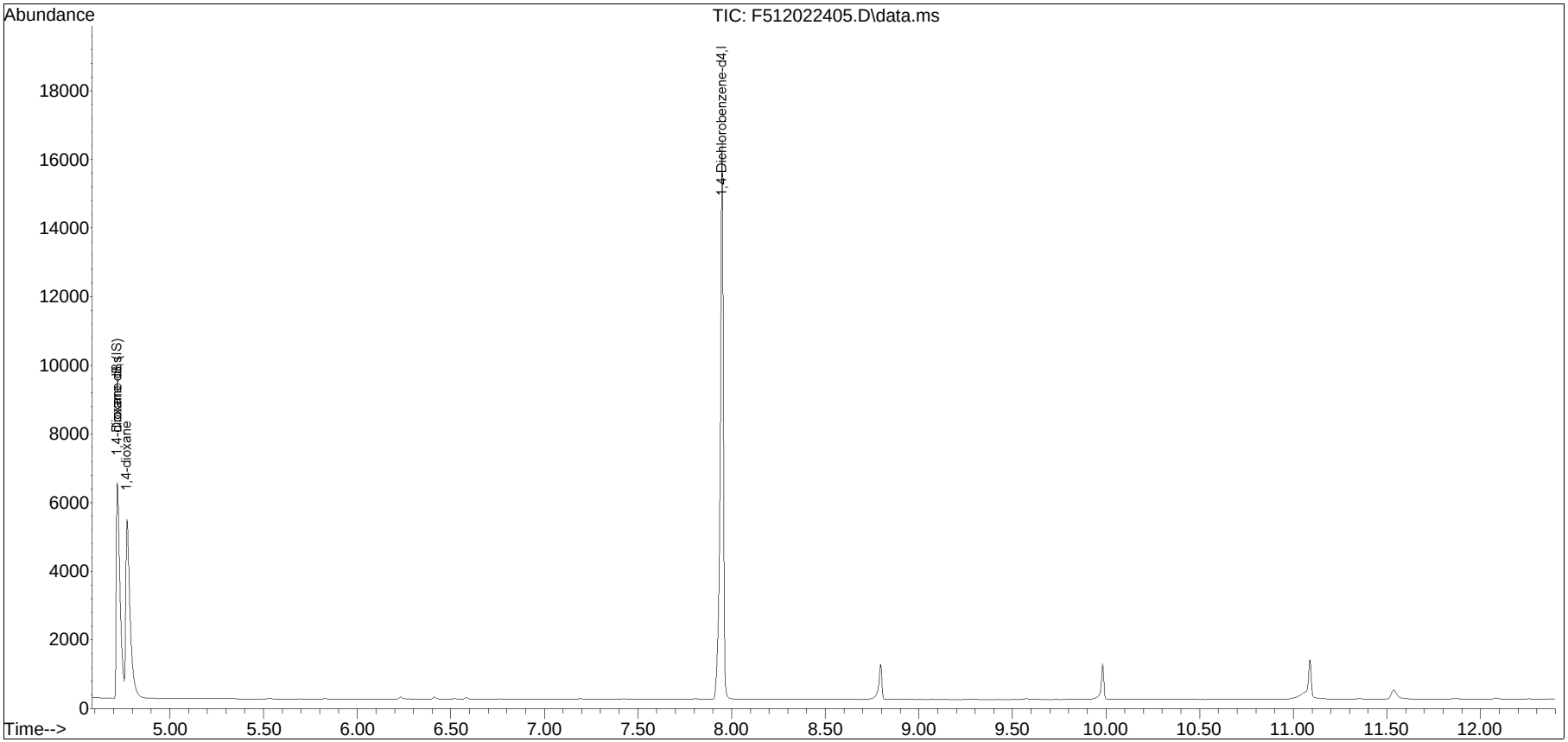
(#) = qualifier out of range (m) = manual integration (+) = signals summed

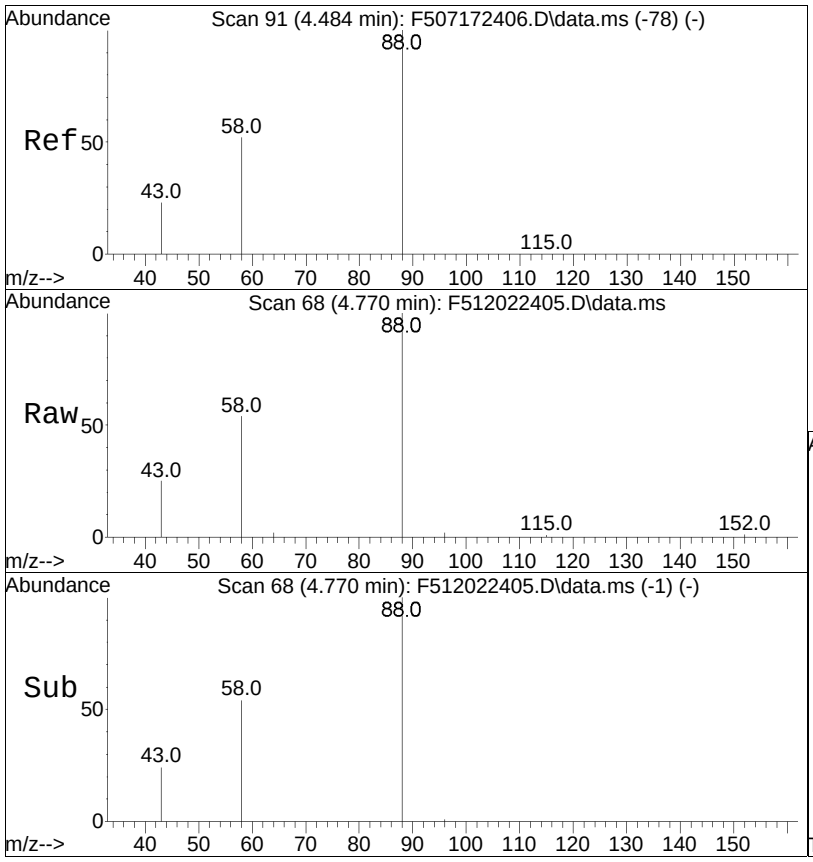
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022405.D
Acq On : 2 Dec 2024 4:16 pm
Operator : PAH5:CSP
Sample : I512022404
Misc : WG2004524,MSBV31
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 03 10:00:17 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

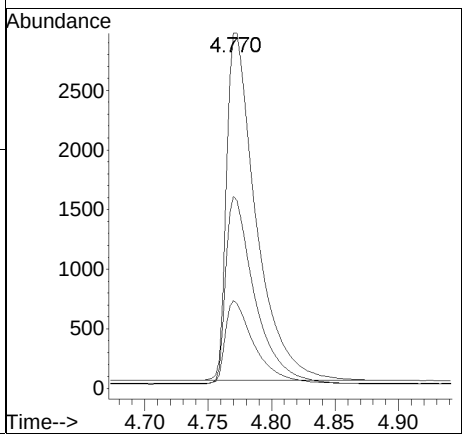




#2
1,4-dioxane
Concen: 472.95 ng/mL
RT: 4.770 min Scan# 68
Delta R.T. 0.008 min
Lab File: F512022405.D
Acq: 2 Dec 2024 4:16 pm

Tgt Ion: 88 Resp: 4709

Ion	Ratio	Lower	Upper
88	100		
58	53.3	42.8	64.2
43	23.2	18.6	28.0



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH5\2	QMethod	: 14DIOX1202PAH5.M
Data File	: F512022405.D	Operator	: PAH5:CSP
Date Inj'd	: 12/2/2024 4:16 pm	Instrument	: PAH 5
Sample	: I512022404	Quant Date	: 12/3/2024 10:00 am

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

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022406.D
Acq On : 2 Dec 2024 4:45 pm
Operator : PAH5:CSP
Sample : I512022405
Misc : WG2004524,MSBV45
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 03 10:00:19 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.715	64	3006	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.947	152	12065	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.715	64	3006	485.128	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 97.03%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.762	88	9708	1034.382	ng/mL	100

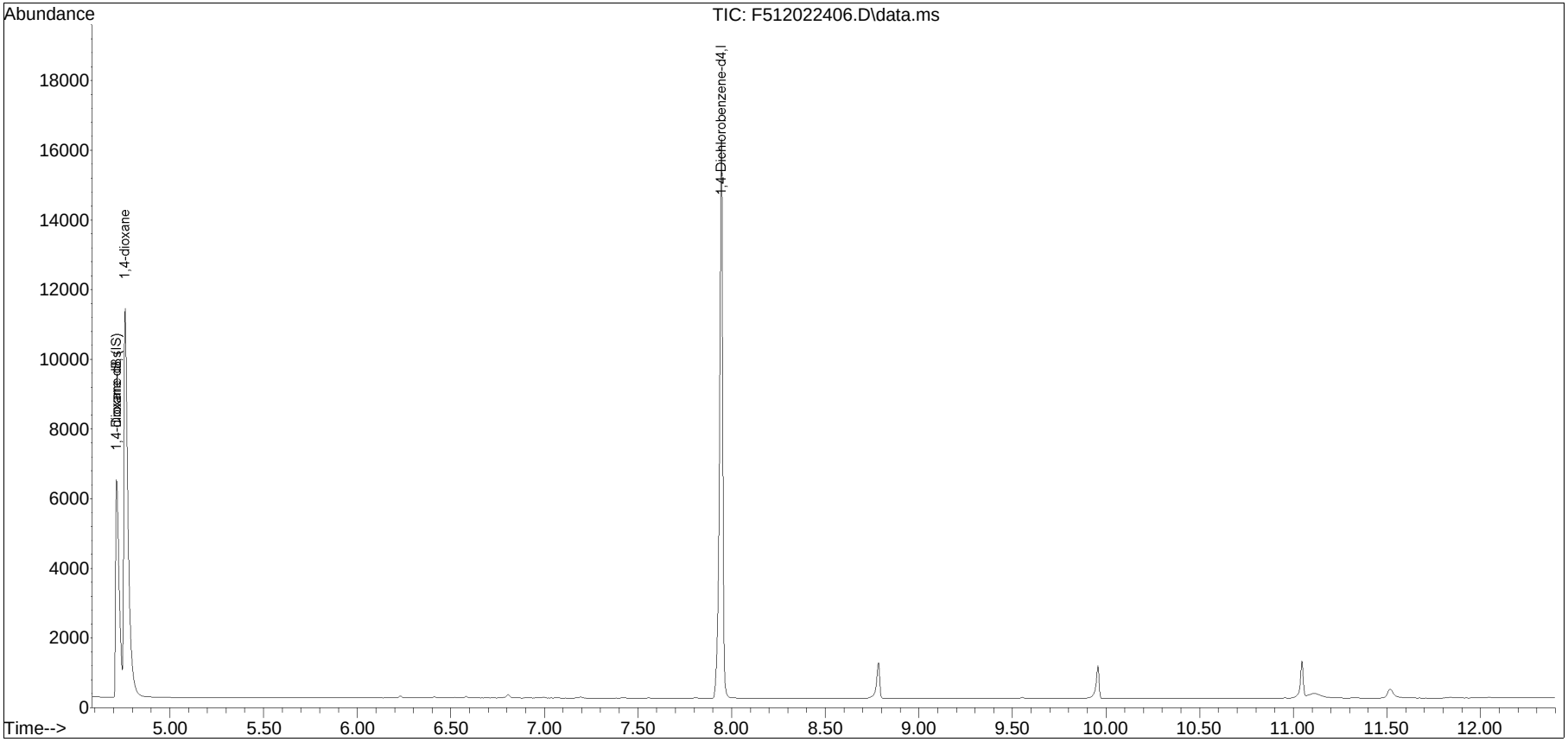
(#) = qualifier out of range (m) = manual integration (+) = signals summed

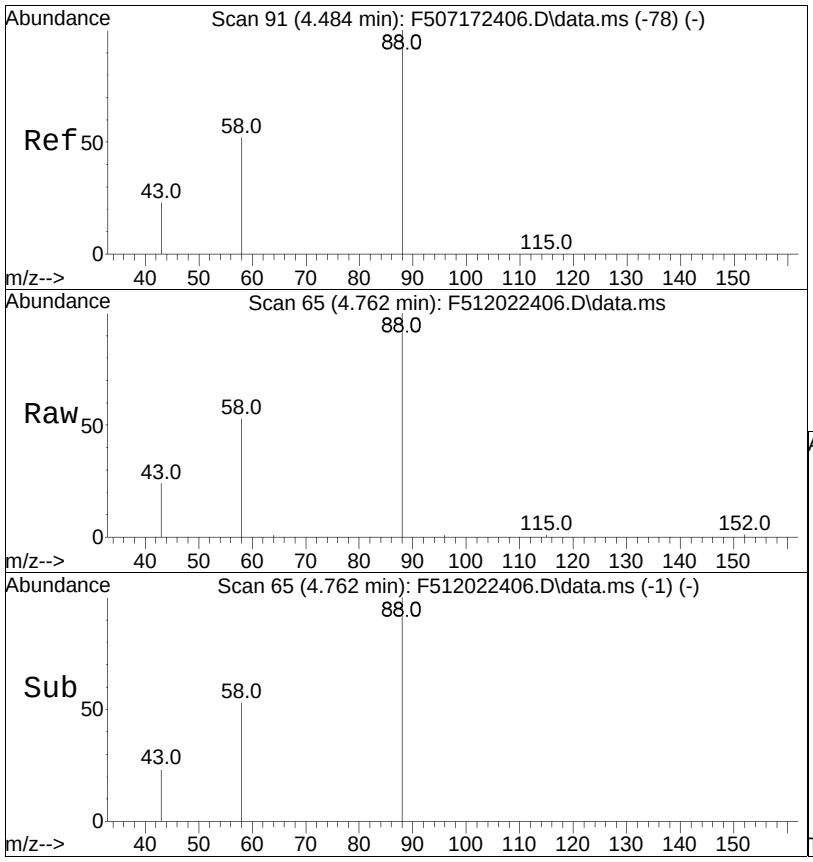
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022406.D
Acq On : 2 Dec 2024 4:45 pm
Operator : PAH5:CSP
Sample : I512022405
Misc : WG2004524,MSBV45
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 03 10:00:19 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

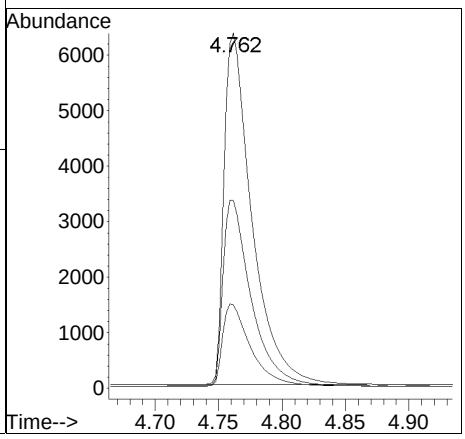




#2
1,4-dioxane
Concen: 1034.38 ng/mL
RT: 4.762 min Scan# 65
Delta R.T. 0.000 min
Lab File: F512022406.D
Acq: 2 Dec 2024 4:45 pm

Tgt Ion: 88 Resp: 9708

Ion	Ratio	Lower	Upper
88	100		
58	53.5	42.8	64.2
43	23.3	18.6	28.0



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH5\2	QMethod	: 14DIOX1202PAH5.M
Data File	: F512022406.D	Operator	: PAH5:CSP
Date Inj'd	: 12/2/2024 4:45 pm	Instrument	: PAH 5
Sample	: I512022405	Quant Date	: 12/3/2024 10:00 am

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

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022407.D
Acq On : 2 Dec 2024 5:15 pm
Operator : PAH5:CSP
Sample : I512022406
Misc : WG2004524,MSBV32
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 03 10:00:21 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.712	64	3000	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.946	152	11965	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.712	64	3000	488.206	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 97.64%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.750	88	46126	4924.531	ng/mL	100

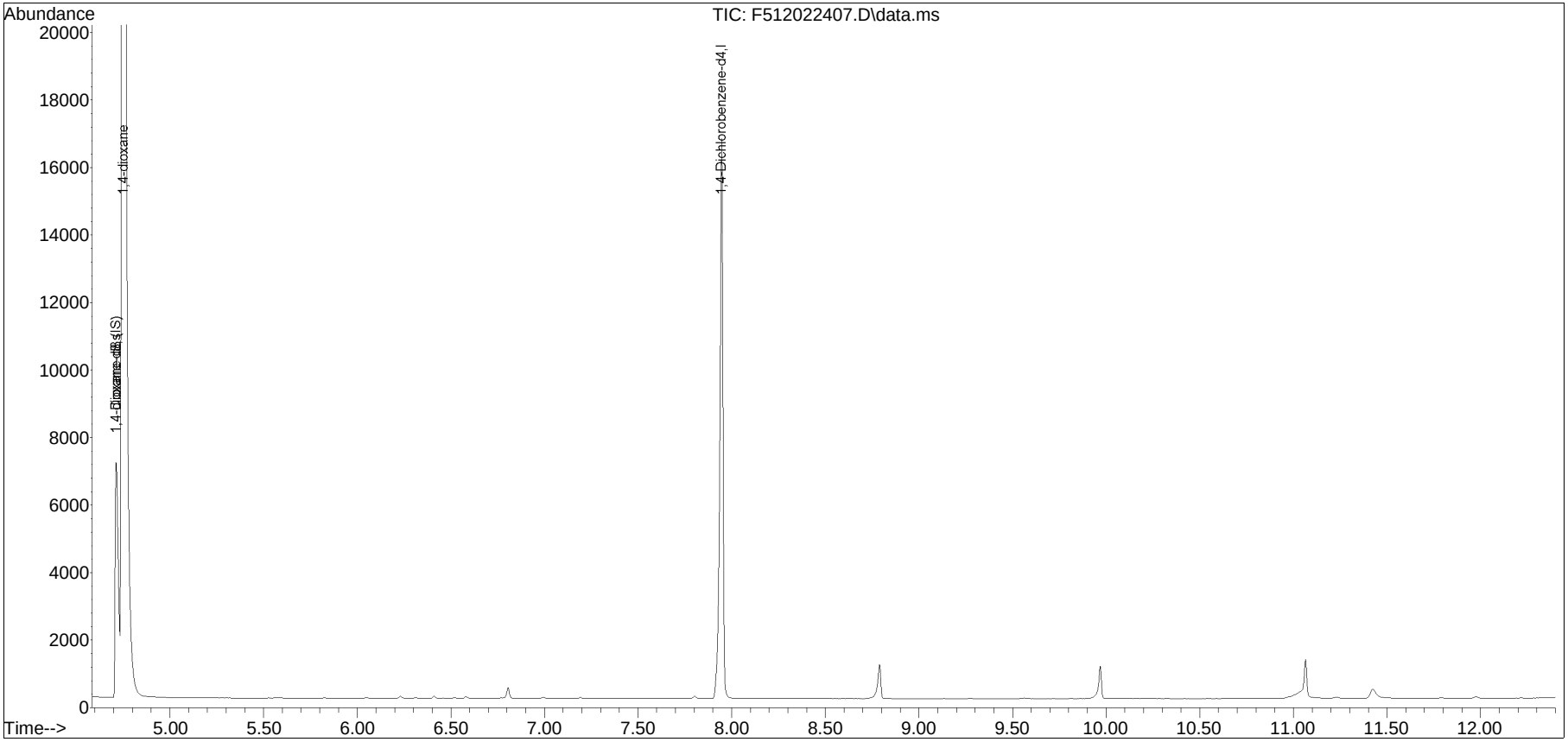
(#) = qualifier out of range (m) = manual integration (+) = signals summed

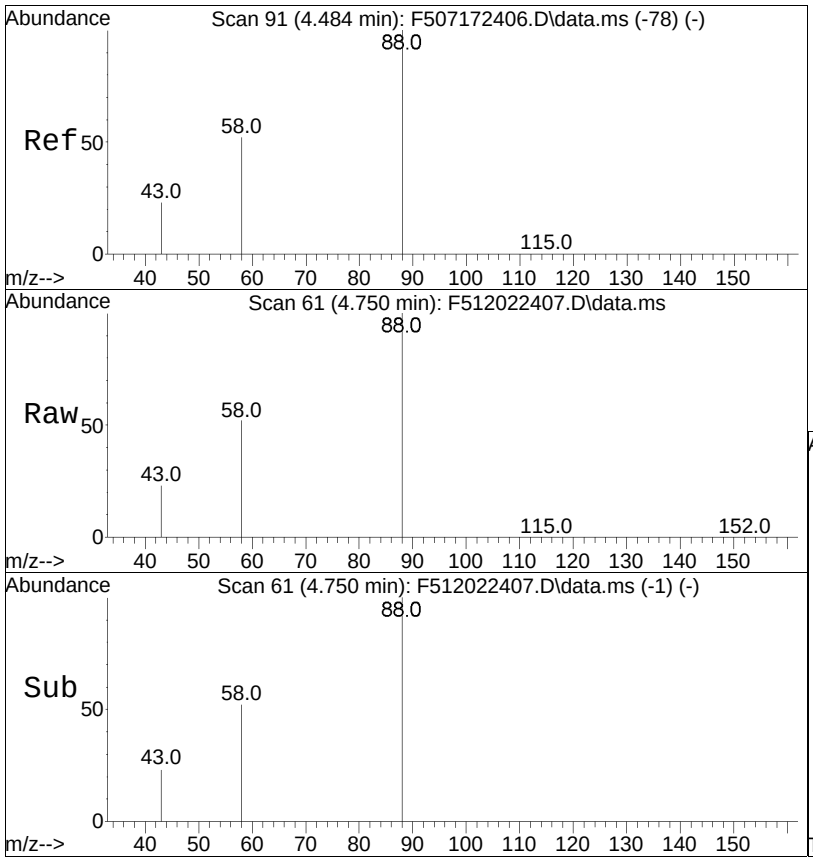
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022407.D
Acq On : 2 Dec 2024 5:15 pm
Operator : PAH5:CSP
Sample : I512022406
Misc : WG2004524,MSBV32
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 03 10:00:21 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

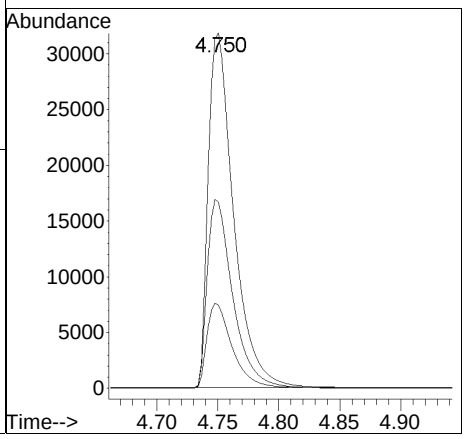




#2
1,4-dioxane
Concen: 4924.53 ng/mL
RT: 4.750 min Scan# 61
Delta R.T. -0.011 min
Lab File: F512022407.D
Acq: 2 Dec 2024 5:15 pm

Tgt Ion: 88 Resp: 46126

Ion	Ratio	Lower	Upper
88	100		
58	53.3	42.8	64.2
43	23.7	18.6	28.0



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH5\2	QMethod	: 14DIOX1202PAH5.M
Data File	: F512022407.D	Operator	: PAH5:CSP
Date Inj'd	: 12/2/2024 5:15 pm	Instrument	: PAH 5
Sample	: I512022406	Quant Date	: 12/3/2024 10:00 am

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

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022408.D
Acq On : 2 Dec 2024 5:44 pm
Operator : PAH5:CSP
Sample : I512022407
Misc : WG2004524,MSBV27
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 03 10:00:23 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.668	64	3068	500.000	ng/mL	-0.05
3) 1,4-Dichlorobenzene-d4	7.944	152	11709	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.668	64	3068	510.188	ng/mL	-0.05
Spiked Amount 500.000	Range 15 - 115		Recovery = 102.04%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.704	88	88567	9246.065	ng/mL	99

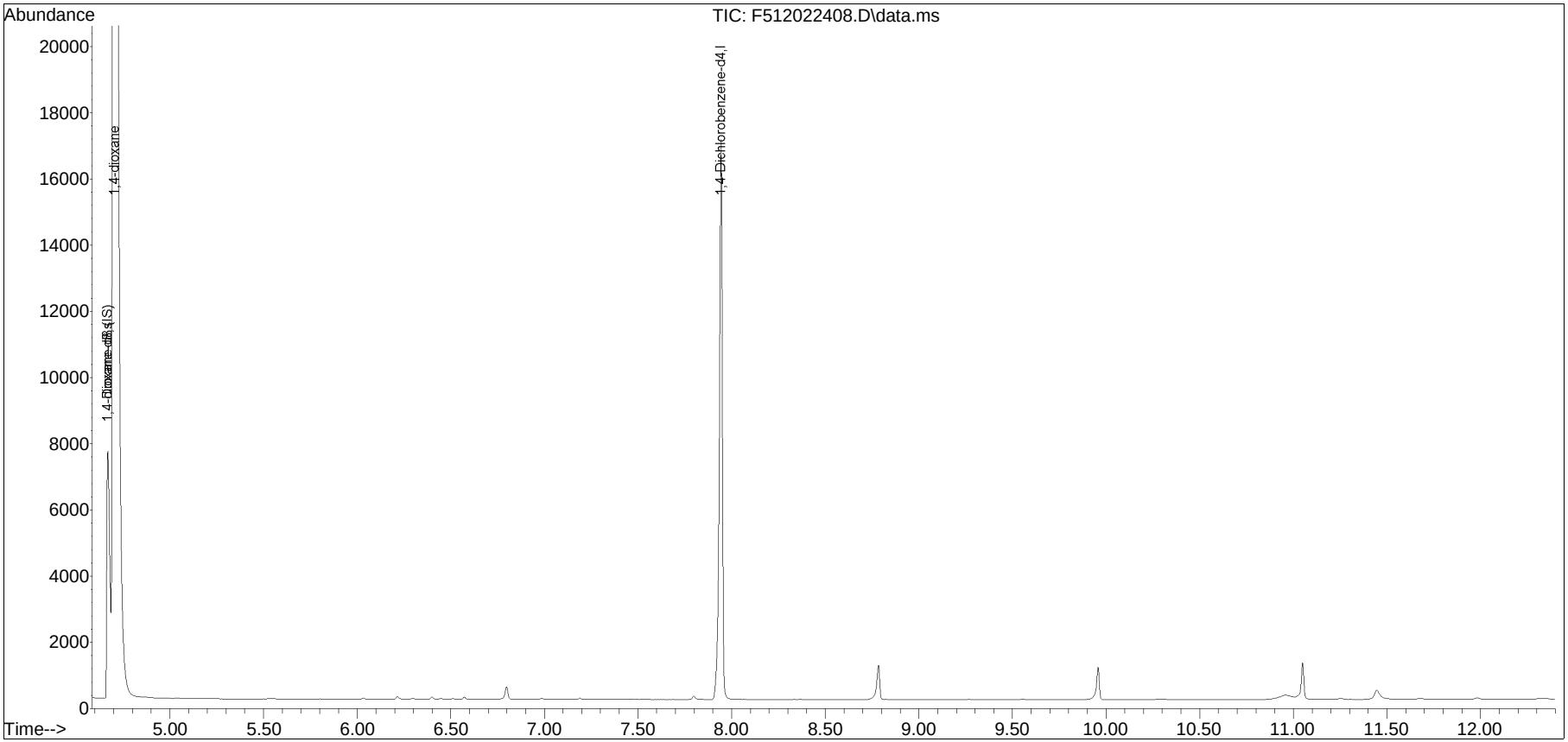
(#) = qualifier out of range (m) = manual integration (+) = signals summed

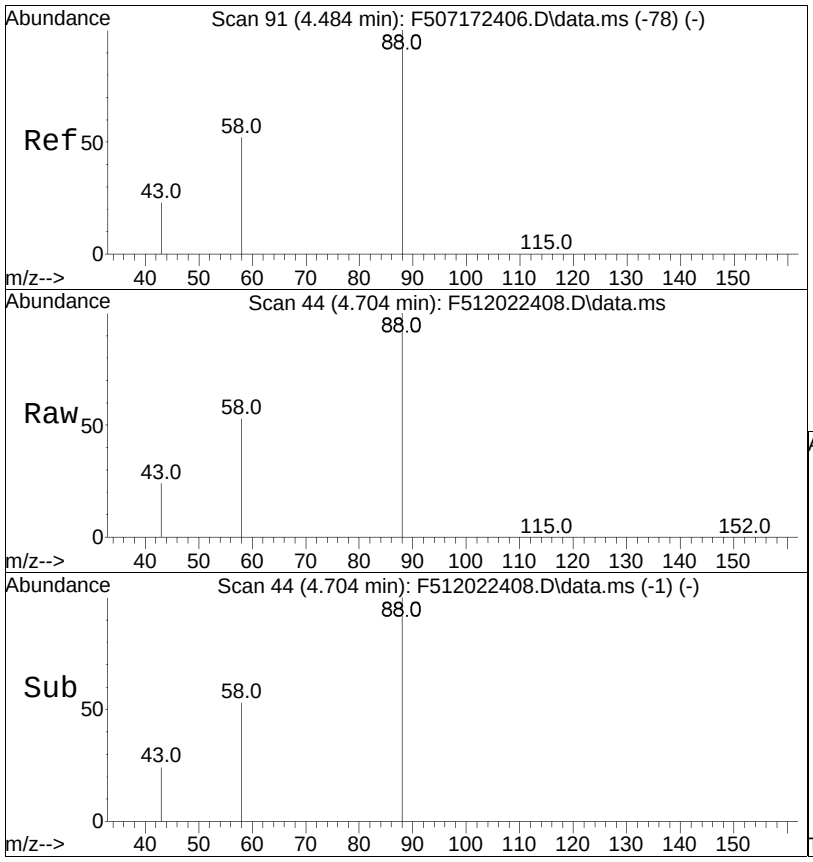
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022408.D
Acq On : 2 Dec 2024 5:44 pm
Operator : PAH5:CSP
Sample : I512022407
Misc : WG2004524,MSBV27
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 03 10:00:23 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

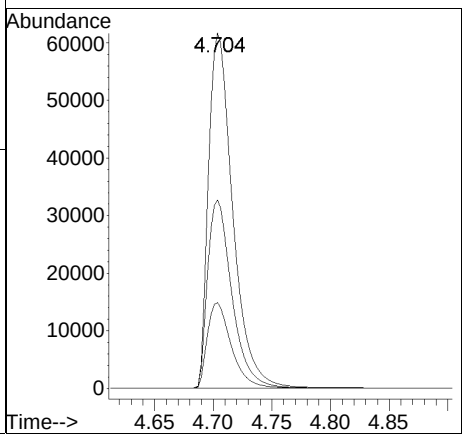




#2
1,4-dioxane
Concen: 9246.07 ng/mL
RT: 4.704 min Scan# 44
Delta R.T. -0.058 min
Lab File: F512022408.D
Acq: 2 Dec 2024 5:44 pm

Tgt Ion: 88 Resp: 88567

Ion	Ratio	Lower	Upper
88	100		
58	53.2	42.8	64.2
43	23.8	18.6	28.0



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH5\2	QMethod	: 14DIOX1202PAH5.M
Data File	: F512022408.D	Operator	: PAH5:CSP
Date Inj'd	: 12/2/2024 5:44 pm	Instrument	: PAH 5
Sample	: I512022407	Quant Date	: 12/3/2024 10:00 am

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

Evaluate Continuing Calibration Report

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022409.D
Acq On : 2 Dec 2024 6:14 pm
Operator : PAH5:CSP
Sample : CQ512022401
Misc : WG2004524,MSBV37
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 03 10:00:32 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	1,4-Dioxane-d8 (IS)	1.000	1.000	0.0	111	-0.01
2	1,4-dioxane	1.561	1.410	9.7	97	-0.01
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
4 s	1,4-dioxane-d8	0.257	0.272	-5.8	107	-0.01

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022409.D
Acq On : 2 Dec 2024 6:14 pm
Operator : PAH5:CSP
Sample : CQ512022401
Misc : WG2004524,MSBV37
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 03 10:00:32 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.701	64	3351	500.000	ng/mL	-0.01
3) 1,4-Dichlorobenzene-d4	7.941	152	12314	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.701	64	3351	529.871	ng/mL	-0.01
Spiked Amount 500.000	Range 15 - 115		Recovery = 105.97%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.748	88	9449	903.133	ng/mL	100

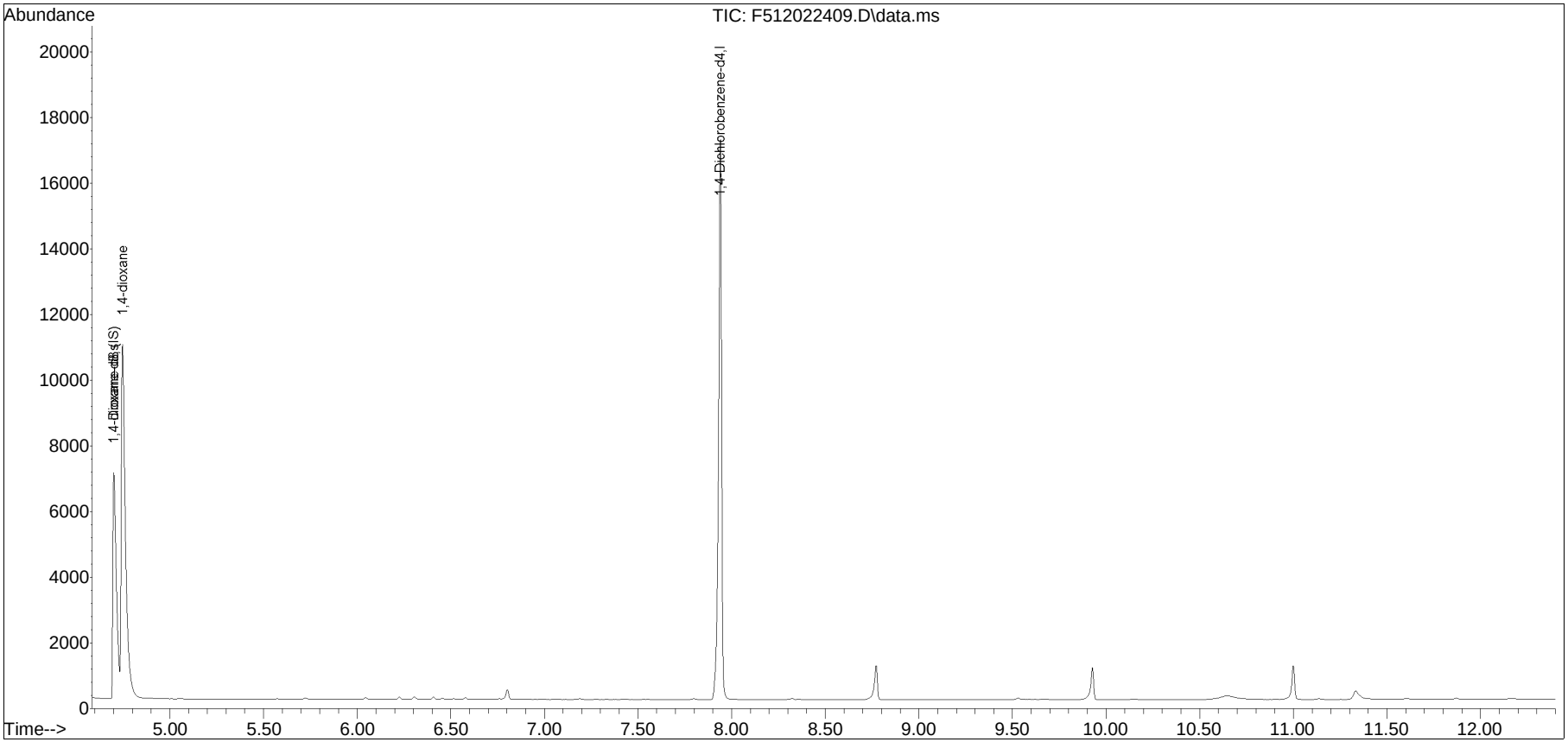
(#) = qualifier out of range (m) = manual integration (+) = signals summed

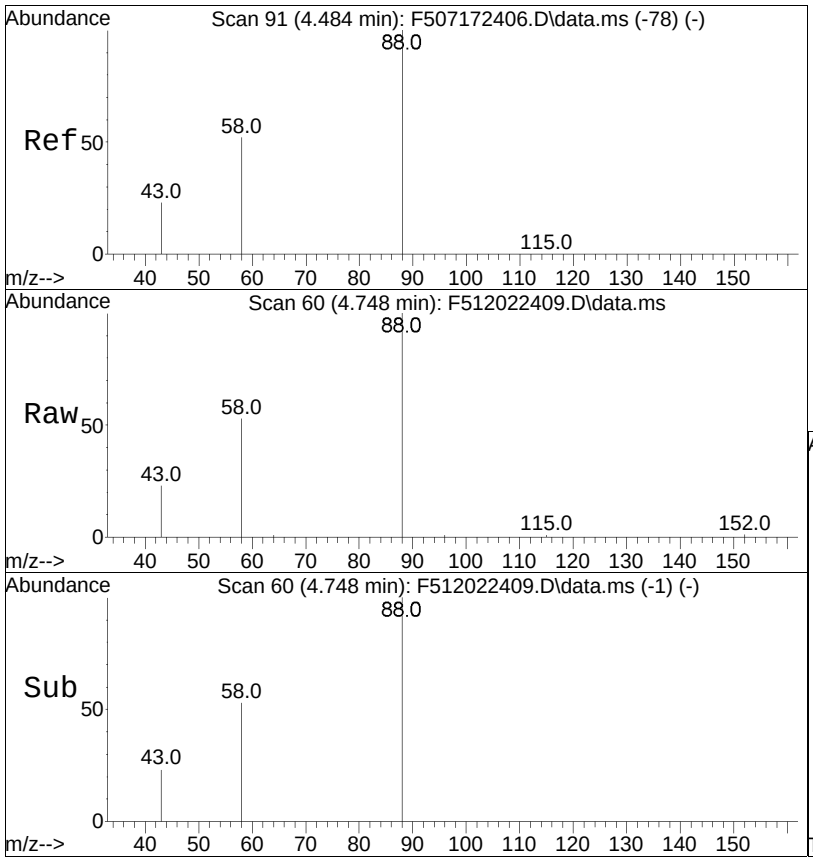
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\
Data File : F512022409.D
Acq On : 2 Dec 2024 6:14 pm
Operator : PAH5:CSP
Sample : CQ512022401
Misc : WG2004524,MSBV37
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 03 10:00:32 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Dec 03 09:59:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

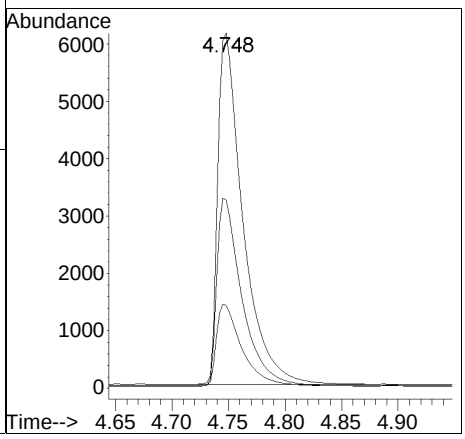




#2
1,4-dioxane
Concen: 903.13 ng/mL
RT: 4.748 min Scan# 60
Delta R.T. -0.014 min
Lab File: F512022409.D
Acq: 2 Dec 2024 6:14 pm

Tgt Ion: 88 Resp: 9449

Ion	Ratio	Lower	Upper
88	100		
58	53.6	42.8	64.2
43	23.2	18.6	28.0



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH5\2	QMethod	: 14DIOX1202PAH5.M
Data File	: F512022409.D	Operator	: PAH5:CSP
Date Inj'd	: 12/2/2024 6:14 pm	Instrument	: PAH 5
Sample	: CQ512022401	Quant Date	: 12/3/2024 10:00 am

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

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2470744	
Project Name	: ROANOKE SAND AND GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PAH5		**Calibration Date**	: 12/06/24 08:40	
Lab File ID	: F512062402		**Init. Calib. Date(s)**	: 12/02/24	12/02/24
Sample No	: WG2006059-2		**Init. Calib. Times**	: 14:45	17:44
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dioxane-d8 (IS)	1	1	-	0	20	141	0
1,4-dioxane	1.561	1.534	-	1.7	20	134	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	141	0
1,4-dioxane-d8	0.257	0.25	-	2.7	20	136	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062402.D
Acq On : 6 Dec 2024 8:40 am
Operator : PAH5:GRS
Sample : WG2006059-2
Misc : WG2006059,,ICAL21746,MSBV45
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 09:04:00 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:36 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	1,4-Dioxane-d8 (IS)	1.000	1.000	0.0	141	0.00
2	1,4-dioxane	1.561	1.534	1.7	134	0.00
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	141	0.00
4 s	1,4-dioxane-d8	0.257	0.250	2.7	136	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 : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062402.D
Acq On : 6 Dec 2024 8:40 am
Operator : PAH5:GRS
Sample : WG2006059-2
Misc : WG2006059,,ICAL21746,MSBV45
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 09:04:00 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:36 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.712	64	4251	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.913	152	16994	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.712	64	4251	487.069	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 97.41%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.759	88	13043	982.713	ng/mL	98

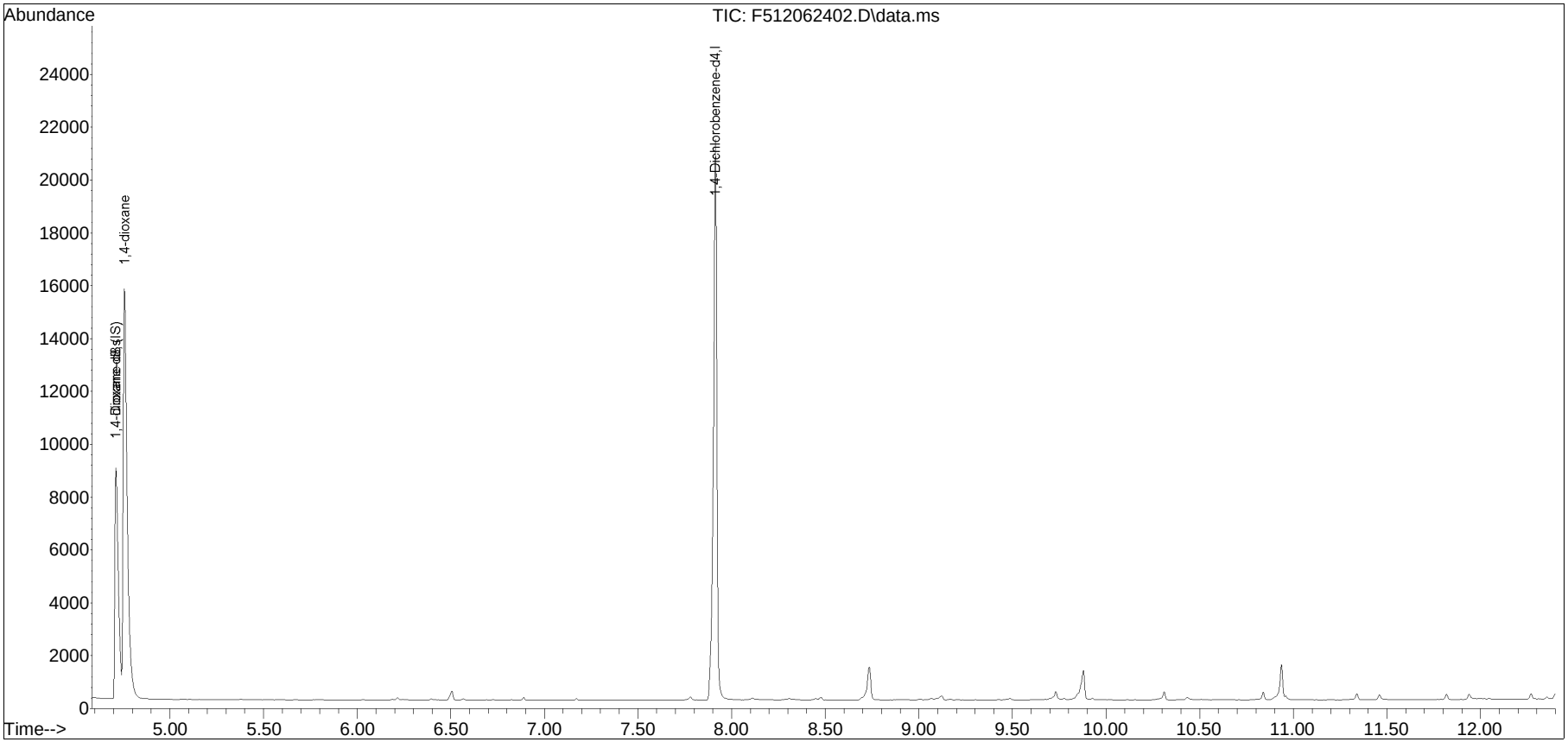
(#) = qualifier out of range (m) = manual integration (+) = signals summed

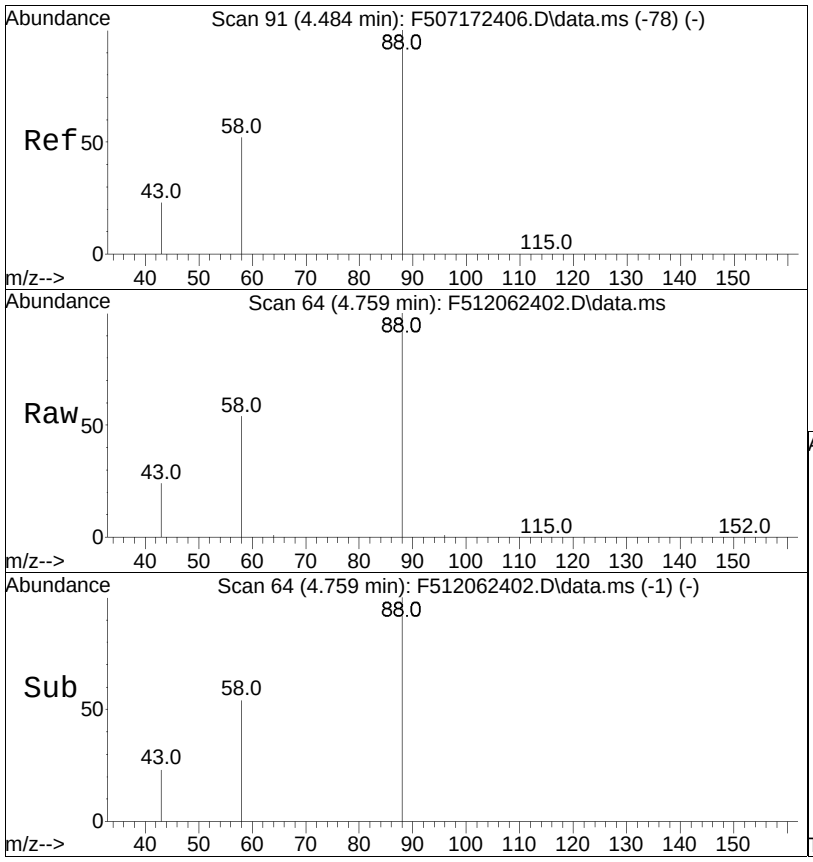
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062402.D
Acq On : 6 Dec 2024 8:40 am
Operator : PAH5:GRS
Sample : WG2006059-2
Misc : WG2006059,,ICAL21746,MSBV45
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 06 09:04:00 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:36 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

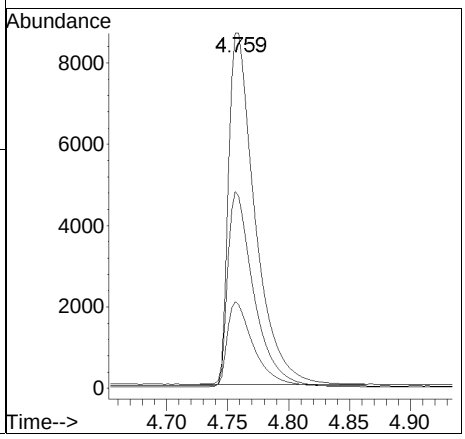




#2
1,4-dioxane
Concen: 982.71 ng/mL
RT: 4.759 min Scan# 64
Delta R.T. 0.000 min
Lab File: F512062402.D
Acq: 6 Dec 2024 8:40 am

Tgt Ion: 88 Resp: 13043

Ion	Ratio	Lower	Upper
88	100		
58	54.9	42.8	64.2
43	23.6	18.6	28.0



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH5\2	QMethod	: 14DIOX1202PAH5.M
Data File	: F512062402.D	Operator	: PAH5:GRS
Date Inj'd	: 12/6/2024 8:40 am	Instrument	: PAH 5
Sample	: WG2006059-2	Quant Date	: 12/6/2024 9:04 am

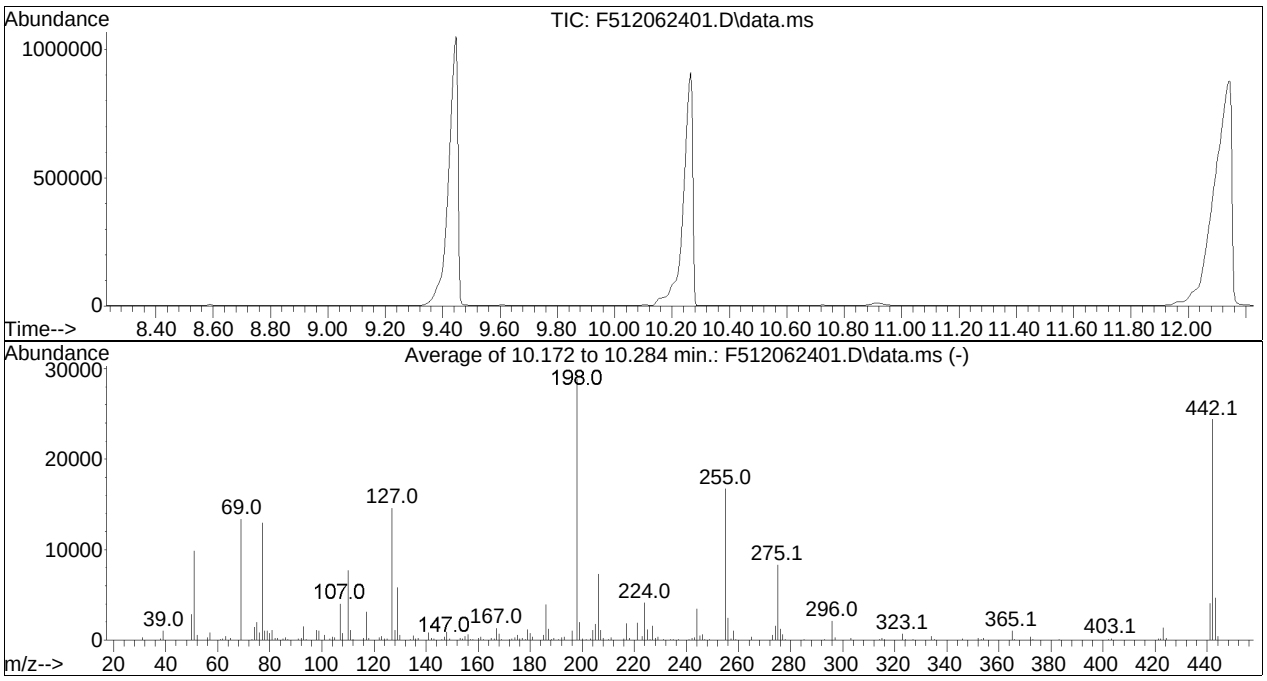
There are no manual integrations or false positives in this file.

Semivolatiles Raw QC Data

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062401.D
Acq On : 6 Dec 2024 8:07 am
Operator : PAH5:GRS
Sample : WG2006059-1
Misc : WG2006059,,ICAL21746,MSBV35
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Title : Semivolatiles by GC/MS
Last Update : Fri Dec 06 09:03:31 2024



Spectrum Information: Average of 10.172 to 10.284 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.3	9900	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.1	10	PASS
127	198	10	80	50.5	14574	PASS
197	198	0.00	2	0.1	20	PASS
198	198	100	100	100.0	28887	PASS
199	198	5	9	6.9	1984	PASS
275	198	10	60	28.7	8299	PASS
365	198	1	100	3.5	999	PASS
441	442	0.01	24	16.6	4050	PASS
442	198	50	100	84.5	24412	PASS
443	442	15	24	19.1	4656	PASS

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062403.D
Acq On : 6 Dec 2024 9:12 am
Operator : PAH5:GRS
Sample : WG2005784-1,32,,
Misc : WG2006059,WG2005784,ICAL21746
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:15:45 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:31 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.745	64	1738	500.000	ng/mL	0.03
3) 1,4-Dichlorobenzene-d4	7.927	152	12119	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.745	64	1738	279.240	ng/mL	0.03
Spiked Amount 500.000	Range 15 - 115		Recovery = 55.85%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

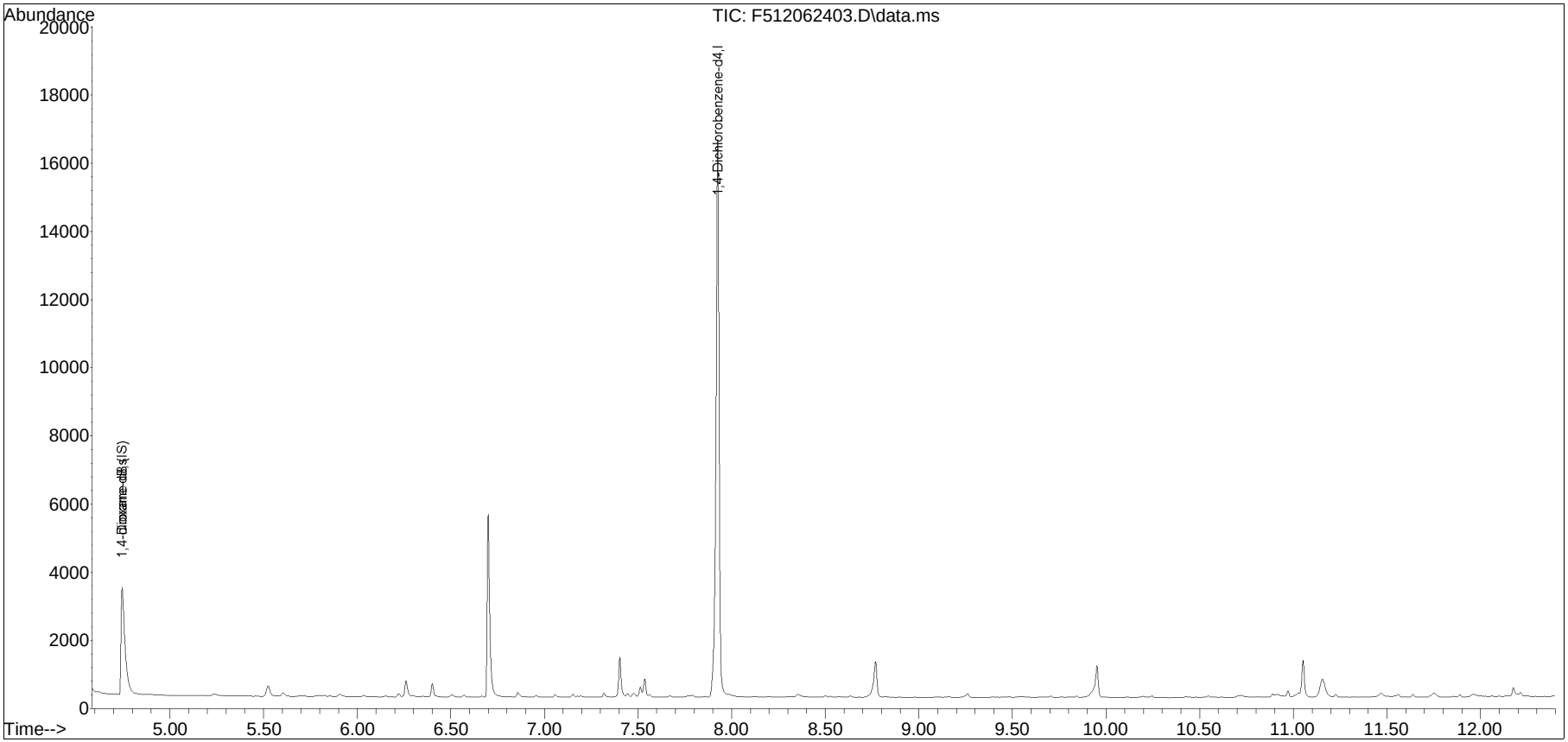
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062403.D
Acq On : 6 Dec 2024 9:12 am
Operator : PAH5:GRS
Sample : WG2005784-1,32,,
Misc : WG2006059,WG2005784,ICAL21746
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:15:45 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:31 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH5\2Q	Method	: 14DIOX1202PAH5.M
Data File	: F512062403.D	Operator	: PAH5:GRS
Date Inj'd	: 12/6/2024 9:12 am	Instrument	: PAH 5
Sample	: WG2005784-1,32,,	Quant Date	: 12/9/2024 9:15 am

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

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062404.D
Acq On : 6 Dec 2024 9:32 am
Operator : PAH5:GRS
Sample : Wg2005784-2,32,,
Misc : WG2006059,WG2005784,ICAL21746
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 09:15:47 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:31 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.775	64	1646	500.000	ng/mL	0.06
3) 1,4-Dichlorobenzene-d4	7.916	152	12142	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.775	64	1646	263.958	ng/mL	0.06
Spiked Amount 500.000	Range 15 - 115		Recovery = 52.79%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.825	88	3064	596.210	ng/mL	100

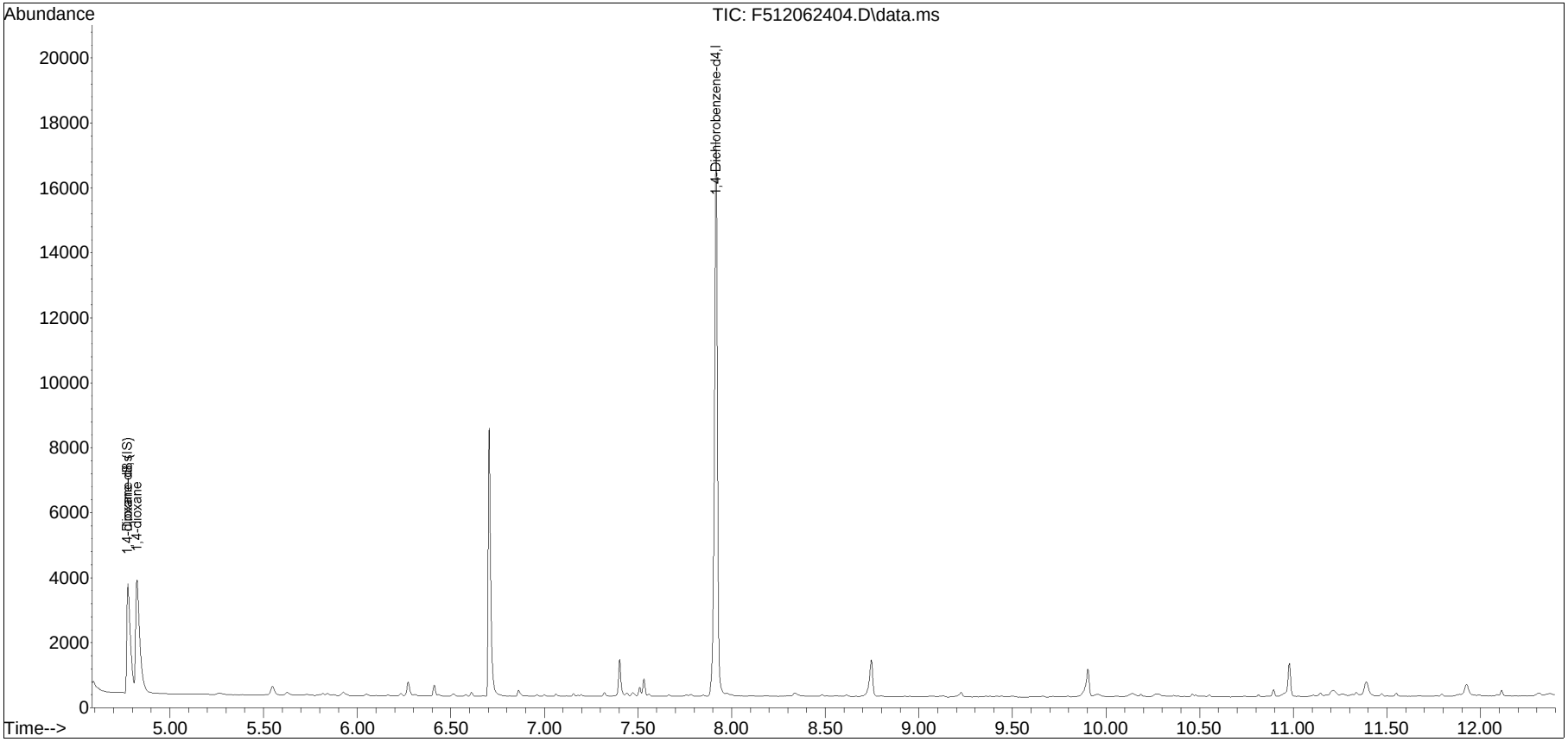
(#) = qualifier out of range (m) = manual integration (+) = signals summed

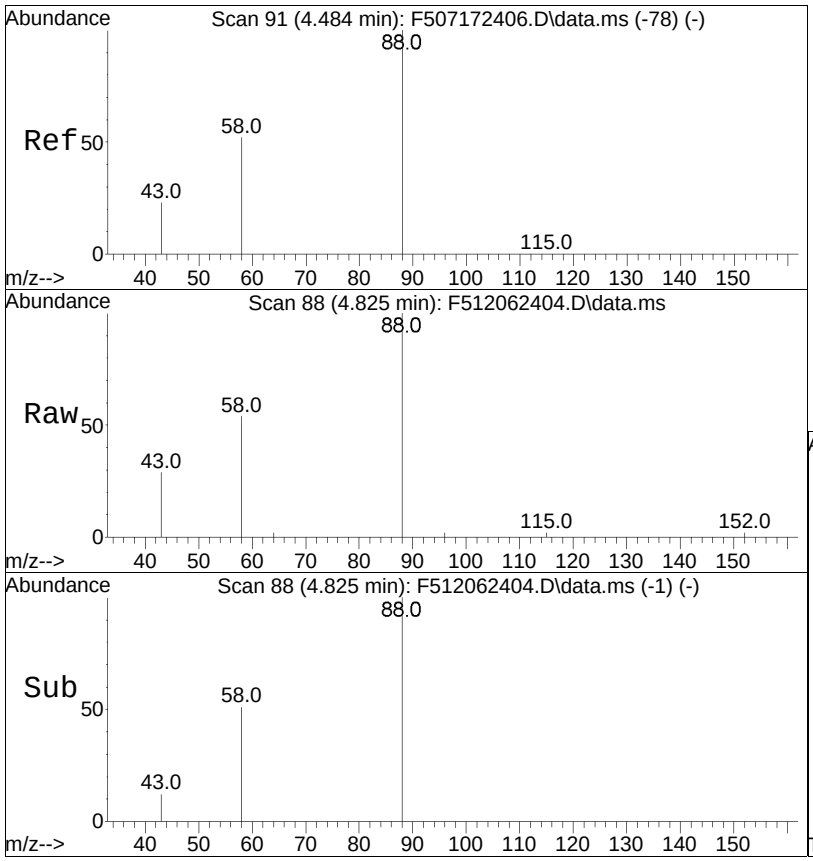
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062404.D
Acq On : 6 Dec 2024 9:32 am
Operator : PAH5:GRS
Sample : Wg2005784-2,32,,
Misc : WG2006059,WG2005784,ICAL21746
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 09:15:47 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:31 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

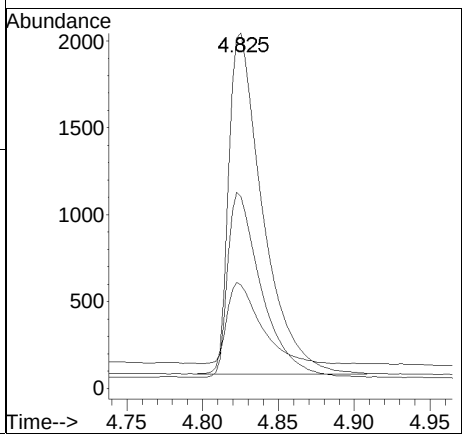




#2
1,4-dioxane
Concen: 596.21 ng/mL
RT: 4.825 min Scan# 88
Delta R.T. 0.066 min
Lab File: F512062404.D
Acq: 6 Dec 2024 9:32 am

Tgt Ion: 88 Resp: 3064

Ion	Ratio	Lower	Upper
88	100		
58	53.5	42.8	64.2
43	23.7	18.6	28.0



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH5\2	QMethod	: 14DIOX1202PAH5.M
Data File	: F512062404.D	Operator	: PAH5:GRS
Date Inj'd	: 12/6/2024 9:32 am	Instrument	: PAH 5
Sample	: Wg2005784-2,32,,	Quant Date	: 12/9/2024 9:15 am

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

Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062405.D
Acq On : 6 Dec 2024 9:53 am
Operator : PAH5:GRS
Sample : WG2005784-3,32,,
Misc : WG2006059,WG2005784,ICAL21746
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 09:15:49 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:31 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.767	64	1642	500.000	ng/mL	0.06
3) 1,4-Dichlorobenzene-d4	7.916	152	12006	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.767	64	1642	266.299	ng/mL	0.06
Spiked Amount 500.000	Range 15 - 115		Recovery = 53.26%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.817	88	3090	602.734	ng/mL	100

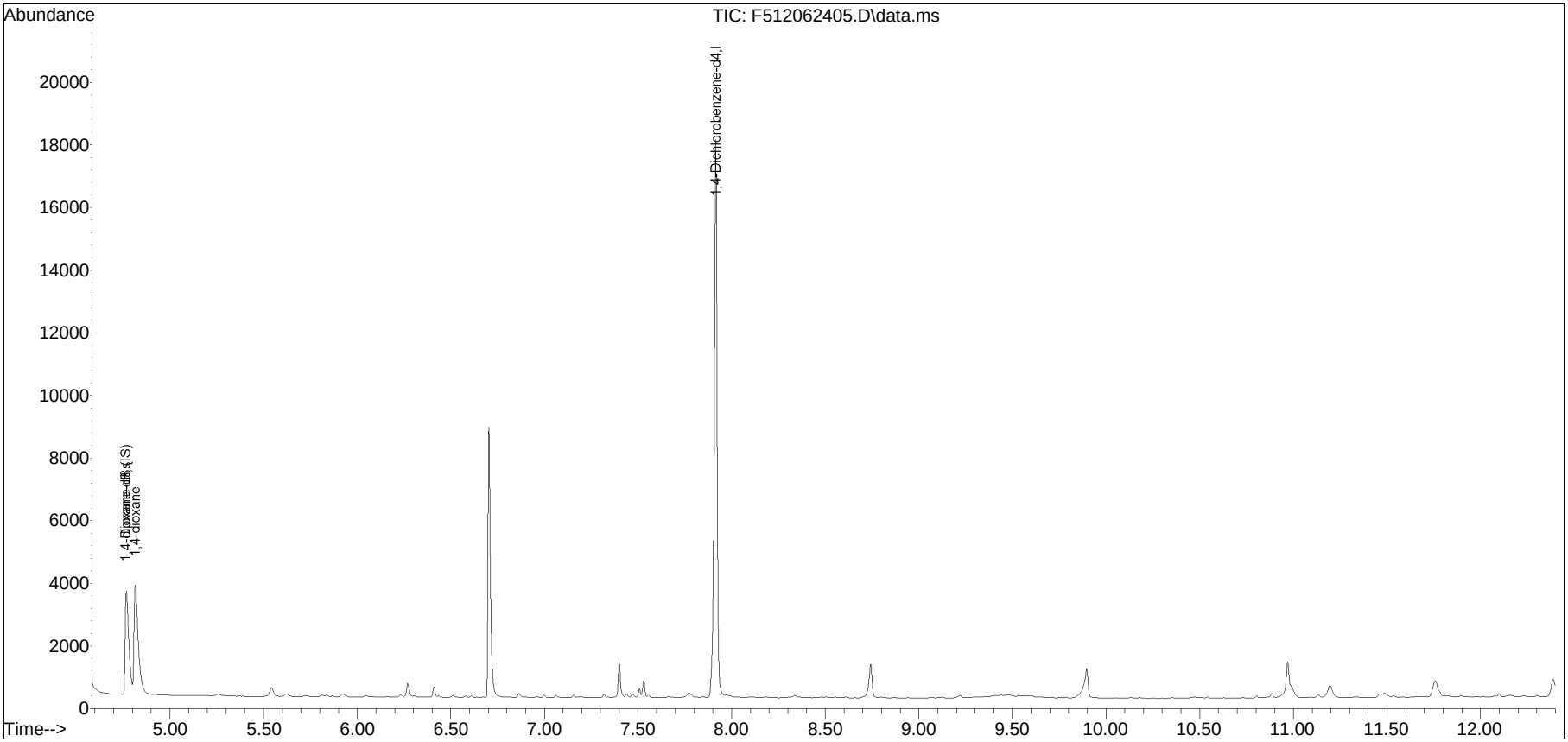
(#) = qualifier out of range (m) = manual integration (+) = signals summed

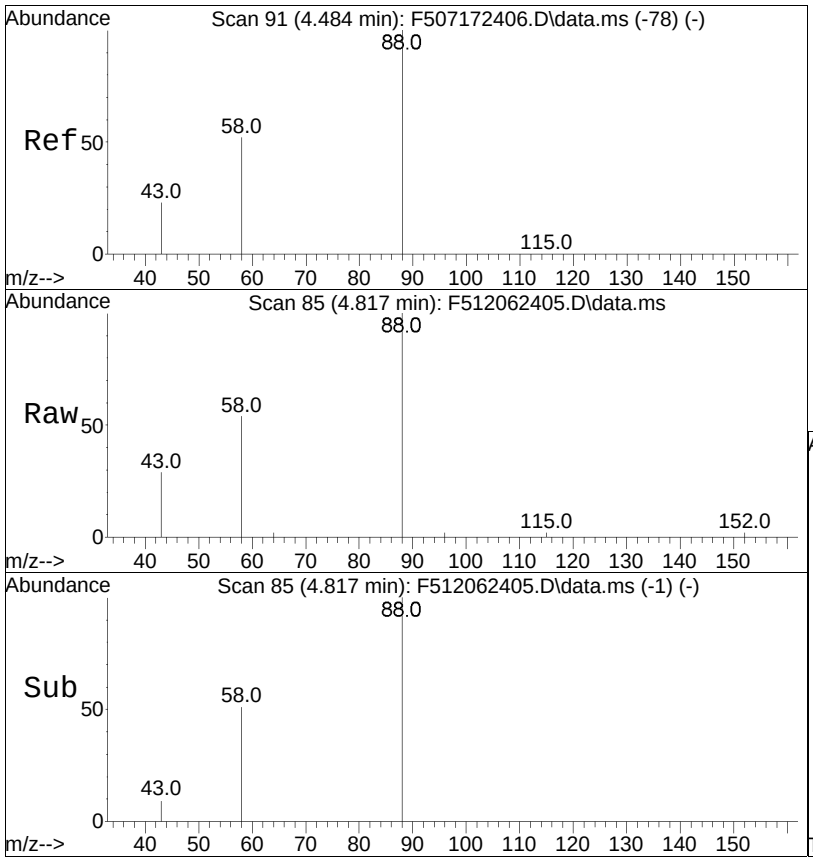
Quantitation Report (QT Reviewed)

Data Path : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\
Data File : F512062405.D
Acq On : 6 Dec 2024 9:53 am
Operator : PAH5:GRS
Sample : WG2005784-3,32,,
Misc : WG2006059,WG2005784,ICAL21746
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 09:15:49 2024
Quant Method : S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\14DIOX1202PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Fri Dec 06 09:03:31 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

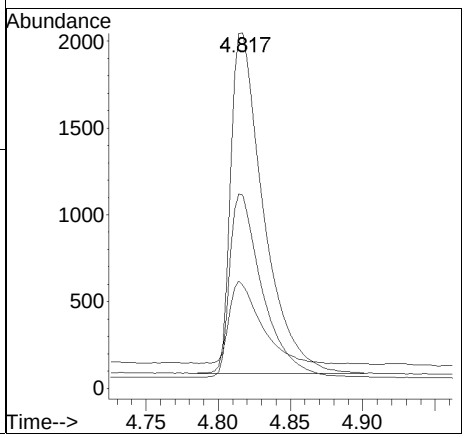




#2
1,4-dioxane
Concen: 602.73 ng/mL
RT: 4.817 min Scan# 85
Delta R.T. 0.058 min
Lab File: F512062405.D
Acq: 6 Dec 2024 9:53 am

Tgt Ion: 88 Resp: 3090

Ion	Ratio	Lower	Upper
88	100		
58	53.8	42.8	64.2
43	23.5	18.6	28.0



Manual Integration/Negative Proof Report

Data Path	: S:\Organics-NEW\DATA\PAH5\2	QMethod	: 14DIOX1202PAH5.M
Data File	: F512062405.D	Operator	: PAH5:GRS
Date Inj'd	: 12/6/2024 9:53 am	Instrument	: PAH 5
Sample	: WG2005784-3,32,,	Quant Date	: 12/9/2024 9:15 am

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

Calculation of Semi Volatile Organic Compounds

Results of Water Analysis- calculation as performed in report form:

$$\text{Concentration (ug/L)} = \frac{(\text{Conc})\ (\text{Vf})\ (\text{DF})}{(\text{Vi})} \times 1000$$

where:
Conc =Raw on-column concentration obtained from the quantitation report using Initial Calibration results.
Vf = Final volume of extract (mL)
Vi= Volume of sample extracted (mL)
DF= Dilution factor

Results of Sediment/Soil Analysis- calculation as performed in report form:

$$\text{Concentration (ug/Kg)} = \frac{(\text{Conc})\ (\text{Vf})\ (\text{DF})}{(\text{W})\ (\%\text{S})}$$

where:
Conc =Raw on-column concentration obtained from the quantitation report using Initial Calibration results.
Vf = Final volume of extract (mL)
W= Aliquot of sample (wet), g
DF= Dilution factor
%S= Sample %solid (in decimal form)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 09 2024, 01:27 pm

Work Group: WG2006059 for Department: 32 GC/MS - Semivolatiles

Created: 06-DEC-24 Due: Operator: GRS

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2470677-01	MW-13S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1209	1217	S0	Amber-A.25
L2470677-02	MW-13D	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1209	1217	S0	Amber-A.25
L2470677-03	MW-88D	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1209	1217	S0	Amber-A.25
L2470677-04	DUP-1	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1209	1217	S0	Amber-A.25
L2470677-05	MW-6	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1209	1217	S0	Amber-A.25
L2470677-06	MW-10S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1209	1217	S0	Amber-A.25
L2470677-07	MW-10D	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1209	1217	S0	Amber-A.25
L2470744-09	6A	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1209	1210	S0	Amber-A.25
L2470744-13	8A	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1210	1210	S0	Amber-A.25
L2470744-17	10A	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	1210	1210	S0	Amber-A.25
L2470946-11	MW-114BR	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	1211	1211	S0	Amber-A.25
L2470946-22	MW-118S	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	1211	1211	S0	Amber-A.25
L2470946-23	MW-19BR	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	1211	1211	S0	Amber-A.25
L2470946-24	MW-19S	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	1211	1211	S0	Amber-A.25
L2470946-25	MW-20B(R)	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	1211	1211	S0	Amber-A.25
L2470946-26	MW-20S(R)	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	1211	1211	S0	Amber-A.25
L2470946-27	S-2011	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	1211	1211	S0	Amber-A.25
L2470946-28	S-2011BR	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	1211	1211	S0	Amber-A.25
L2470946-29	S-2	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	1211	1211	S0	Amber-A.25
L2470946-30	SW-14A	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	1211	1211	S0	Amber-A.25
WG2005784-1	Laboratory Method Bl	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2005784-2	Laboratory Control S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2005784-3	LCS Duplicate	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2005786-1	Laboratory Method Bl	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				
WG2005786-2	Laboratory Control S	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				
WG2005786-3	LCS Duplicate	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				
WG2006059-1	MS DFTPP Tune Standa	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				
WG2006059-1	MS DFTPP Tune Standa	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2006059-2	Continuing Calibrati	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG2006059-2	Continuing Calibrati	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				

Comments:

WG2005784-3 WG2005784-2
WG2005786-3 WG2005786-2

Analysis log File

Total Files Reported in Log : 9
Log Generated From Directory: S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC02B\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F512022401.D	DFTPPPAH5.M	T512022401	WG2004524,MSBV35	12/2/2024 1:55 pm
2	F512022402.D	14DIOXANEPAH	I512022401	WG2004524,MSBV28	12/2/2024 2:45 pm
3	F512022403.D	14DIOXANEPAH	I512022402	WG2004524,MSBV29	12/2/2024 3:15 pm
4	F512022404.D	14DIOXANEPAH	I512022403	WG2004524,MSBV30	12/2/2024 3:46 pm
5	F512022405.D	14DIOXANEPAH	I512022404	WG2004524,MSBV31	12/2/2024 4:16 pm
6	F512022406.D	14DIOXANEPAH	I512022405	WG2004524,MSBV45	12/2/2024 4:45 pm
7	F512022407.D	14DIOXANEPAH	I512022406	WG2004524,MSBV32	12/2/2024 5:15 pm
8	F512022408.D	14DIOXANEPAH	I512022407	WG2004524,MSBV27	12/2/2024 5:44 pm
9	F512022409.D	14DIOXANEPAH	CQ512022401	WG2004524,MSBV37	12/2/2024 6:14 pm

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 25
Log Generated From Directory: S:\Organics-NEW\DATA\PAH5\2024\DEC\DEC06\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F512062401.D	DFTPPPAH5.M	WG2006059-1	WG2006059,,ICAL21746,MS..	12/6/2024 8:07 am
2	F512062402.D	14DIOXANEPAH	WG2006059-2	WG2006059,,ICAL21746,MS..	12/6/2024 8:40 am
3	F512062403.D	14DIOXANEPAH	WG2005784-1,32,,	WG2006059,WG2005784,ICA..	12/6/2024 9:12 am
4	F512062404.D	14DIOXANEPAH	Wg2005784-2,32,,	WG2006059,WG2005784,ICA..	12/6/2024 9:32 am
5	F512062405.D	14DIOXANEPAH	WG2005784-3,32,,	WG2006059,WG2005784,ICA..	12/6/2024 9:53 am
6	F512062406.D	14DIOXANEPAH	L2470744-09,32,,	WG2006059,WG2005784,ICA..	12/6/2024 10:14 am
7	F512062407.D	14DIOXANEPAH	L2470744-13,32,,	WG2006059,WG2005784,ICA..	12/6/2024 10:35 am
8	F512062408.D	14DIOXANEPAH	L2470744-17,32,,	WG2006059,WG2005784,ICA..	12/6/2024 10:55 am
9	F512062409.D	14DIOXANEPAH	L2470946-11,32,,	WG2006059,WG2005786,ICA..	12/6/2024 11:16 am
10	F512062410.D	14DIOXANEPAH	L2470946-22,32,,	WG2006059,WG2005786,ICA..	12/6/2024 11:37 am
11	F512062411.D	14DIOXANEPAH	L2470946-23,32,,	WG2006059,WG2005786,ICA..	12/6/2024 11:58 am
12	F512062412.D	14DIOXANEPAH	L2470946-24,32,,	WG2006059,WG2005786,ICA..	12/6/2024 12:18 pm
13	F512062413.D	14DIOXANEPAH	L2470946-25,32,,	WG2006059,WG2005786,ICA..	12/6/2024 12:39 pm
14	F512062414.D	14DIOXANEPAH	L2470946-26,32,,	WG2006059,WG2005786,ICA..	12/6/2024 1:00 pm
15	F512062415.D	14DIOXANEPAH	L2470946-27,32,,	WG2006059,WG2005786,ICA..	12/6/2024 1:21 pm
16	F512062416.D	14DIOXANEPAH	L2470946-28,32,,	WG2006059,WG2005786,ICA..	12/6/2024 1:42 pm
17	F512062417.D	14DIOXANEPAH	L2470946-29,32,,	WG2006059,WG2005786,ICA..	12/6/2024 2:03 pm
18	F512062418.D	14DIOXANEPAH	L2470946-30,32,,	WG2006059,WG2005786,ICA..	12/6/2024 2:24 pm
19	F512062419.D	14DIOXANEPAH	L2470677-01,32,,	WG2006059,WG2005784,ICA..	12/6/2024 2:45 pm
20	F512062420.D	14DIOXANEPAH	L2470677-02,32,,	WG2006059,WG2005784,ICA..	12/6/2024 3:06 pm
21	F512062421.D	14DIOXANEPAH	L2470677-03,32,,	WG2006059,WG2005784,ICA..	12/6/2024 3:27 pm
22	F512062422.D	14DIOXANEPAH	L2470677-04,32,,	WG2006059,WG2005784,ICA..	12/6/2024 3:48 pm
23	F512062423.D	14DIOXANEPAH	L2470677-05,32,,	WG2006059,WG2005784,ICA..	12/6/2024 4:09 pm
24	F512062424.D	14DIOXANEPAH	L2470677-06,32,,	WG2006059,WG2005784,ICA..	12/6/2024 4:32 pm
25	F512062425.D	14DIOXANEPAH	L2470677-07,32,,	WG2006059,WG2005784,ICA..	12/6/2024 4:58 pm

SeqLog 1.0 - (c) 2009 Abacus Database Applications

ORGANIC ELN REPORT

Workgroup: WG2005784

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ475-US
Surrogate Type: 1,4-DIOXANE **Lot #:** MSBV25
Spike Type: 1,4-DIOXANE **Lot #:** MSBV20
Spike Verify by: AMC
Lims Spikelot: 14DIOXANE

Additional Reagents/Stds

Glass Wool	29022999
Na2SO4	ON120324E

Conc.Method: S-EVAP/N-EVAP
Solvent Type: DCM
Lot #: EJ475-US

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
L2470677-01 WATER	12/05/24 16:35	Katelyn Charron	250	7	.25		12/05/24 18:15	Katelyn Charron	2.5	SEVAP 3/NEV AP10
L2470677-02 WATER	12/05/24 16:35	Katelyn Charron	250	7	.25		12/05/24 18:15	Katelyn Charron	2.5	SEVAP 3/NEV AP10
L2470677-03 WATER	12/05/24 16:35	Katelyn Charron	250	7	.25		12/05/24 18:15	Katelyn Charron	2.5	SEVAP 3/NEV AP10
L2470677-04 WATER	12/05/24 16:35	Katelyn Charron	260	7	.25		12/05/24 18:15	Katelyn Charron	2.5	SEVAP 3/NEV AP10
L2470677-05 WATER	12/05/24 16:35	Katelyn Charron	250	7	.25		12/05/24 18:15	Katelyn Charron	2.5	SEVAP 3/NEV AP10
L2470677-06 WATER	12/05/24 16:35	Katelyn Charron	250	7	.25		12/05/24 18:15	Katelyn Charron	2.5	SEVAP 3/NEV AP10
L2470677-07 WATER	12/05/24 16:35	Katelyn Charron	250	7	.25		12/05/24 18:15	Katelyn Charron	2.5	SEVAP 3/NEV AP10

Reported: 09-DEC-24 01:27 PM

ORGANIC ELN REPORT

Workgroup: WG2005784

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
L2470744-09 WATER	12/05/24 16:35	Katelyn Charron	280	7	.25		12/05/24 18:15	Katelyn Charron	2.5	SEVAP 3/NEV AP10
L2470744-13 WATER	12/05/24 16:35	Katelyn Charron	270	7	.25		12/05/24 18:15	Katelyn Charron	2.5	SEVAP 3/NEV AP10
L2470744-17 WATER	12/05/24 16:35	Katelyn Charron	270	7	.25		12/05/24 18:15	Katelyn Charron	2.5	SEVAP 3/NEV AP10
WG2005784-1 BLANK	12/05/24 16:35	Katelyn Charron	250	7	.25		12/05/24 18:15	Katelyn Charron	2.5	SEVAP 3/NEV AP10
	SHARING QCS WITH WG2005786									
WG2005784-2 LCS	12/05/24 16:35	Katelyn Charron	250	7	.25	.25	12/05/24 18:15	Katelyn Charron	2.5	SEVAP 3/NEV AP10
WG2005784-3 LCSD	12/05/24 16:35	Katelyn Charron	250	7	.25	.25	12/05/24 18:15	Katelyn Charron	2.5	SEVAP 3/NEV AP10